

Initial Calibration Report for SequenceID : FE032925AL

AreaCount

Parameter Range	FE053057.D	FE053058.D	FE053059.D	FE053060.D	FE053061.D	
Aliphatic C9-C12	43787496.000	22390350.000	9414081.000	5050690.000	2395142.000	
Aliphatic C12-C16	28597843.000	14617182.000	6190316.000	3307237.000	1588761.000	
Aliphatic C16-C21	40121868.000	20531609.000	8737089.000	4659997.000	2251765.000	
Aliphatic C21-C28	49794778.000	25504658.000	10797701.000	5797240.000	2796495.000	
Aliphatic C28-C40	68763224.000	35322416.000	14910911.000	8043699.000	3918511.000	
Aliphatic EPH	231065209.000	118366215.000	50050098.000	26858863.000	12950674.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	156032.2273332	5.671				
Aliphatic C12-C16	153631.377	5.959				
Aliphatic C16-C21	144337.2006664	6.235				
Aliphatic C21-C28	134347.4495	6.296				
Aliphatic C28-C40	124256.6069996	6.639				
Aliphatic EPH	138405.5821106	6.211				

Concentration

Parameter Range	FE053057.D	FE053058.D	FE053059.D	FE053060.D	FE053061.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	FE053057.D	FE053058.D	FE053059.D	FE053060.D	FE053061.D	
Aliphatic C9-C12	145958.320000	149269.000000	156901.350000	168356.333333	159676.133333	
Aliphatic C12-C16	142989.215000	146171.820000	154757.900000	165361.850000	158876.100000	
Aliphatic C16-C21	133739.560000	136877.393333	145618.150000	155333.233333	150117.666666	

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Aliphatic C21-C28	124486.945000	127523.290000	134971.262500	144931.000000	139824.750000	
Aliphatic C28-C40	114605.373333	117741.386666	124257.591666	134061.650000	130617.033333	
Aliphatic EPH	128369.560555	131518.016666	139028.050000	149215.905555	143896.377777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053057.D
 Signal(s) : FID1B.ch
 Acq On : 28 Mar 2025 23:09
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Mar 31 02:33:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:32:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.905	15124462	92.180 ug/ml
Spiked Amount 50.000		Recovery =	184.36%
12) S 1-chlorooctadecane (S...	13.346	11256528	93.004 ug/ml
Spiked Amount 50.000		Recovery =	186.01%
Target Compounds			
1) T n-Nonane (C9)	3.245	14467051	92.982 ug/ml
2) T n-Decane (C10)	4.507	14671828	92.985 ug/ml
3) T A~Naphthalene (C11.7)	6.219	15876340	93.560 ug/ml
4) T n-Dodecane (C12)	6.687	14648617	93.109 ug/ml
5) T A~2-methylnaphthalene...	7.322	15149487	93.605 ug/ml
6) T n-Tetradecane (C14)	8.524	14259186	92.600 ug/ml
7) T n-Hexadecane (C16)	10.139	14338657	92.193 ug/ml
8) T n-Octadecane (C18)	11.588	14068370	91.866 ug/ml
10) T n-Eicosane (C20)	12.901	13195143	91.680 ug/ml
11) T n-Heneicosane (C21)	13.515	12858355	91.984 ug/ml
13) T n-Docosane (C22)	14.102	12690489	92.035 ug/ml
14) T n-Tetracosane (C24)	15.208	12543071	92.480 ug/ml
15) T n-Hexacosane (C26)	16.232	12367318	92.203 ug/ml
16) T n-Octacosane (C28)	17.184	12193900	92.212 ug/ml
17) T n-Tricontane (C30)	18.074	12479859	92.084 ug/ml
18) T n-Dotriacontane (C32)	18.907	12339520	91.923 ug/ml
19) T n-Tetratriacontane (C34)	19.692	11894139	92.113 ug/ml
20) T n-Hexatriacontane (C36)	20.434	11060374	93.779 ug/ml
21) T n-Octatriacontane (C38)	21.172	10654154	92.570 ug/ml
22) T n-Tetracontane (C40)	22.088	10335178	90.961 ug/ml

(f)=RT Delta > 1/2 Window

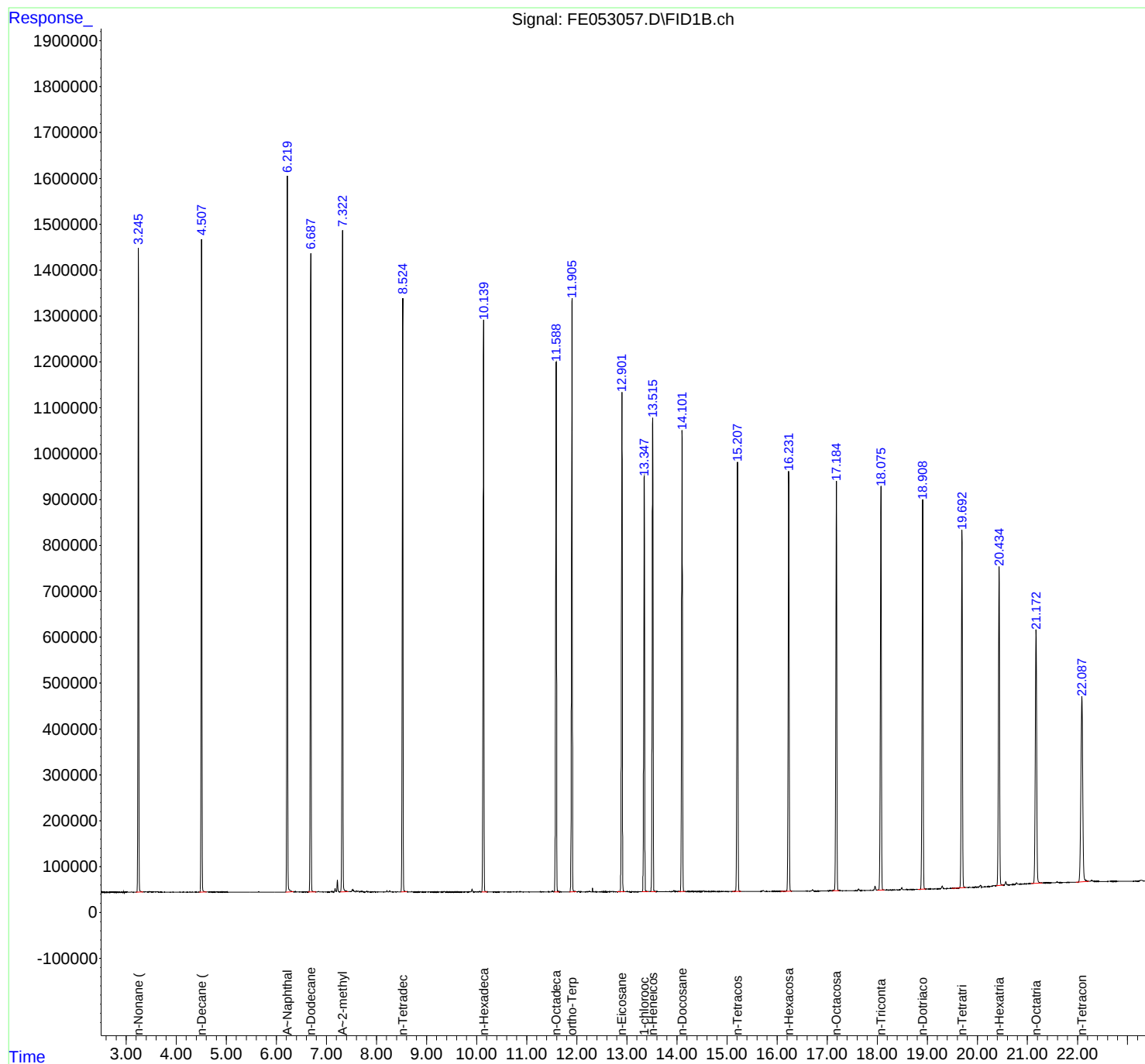
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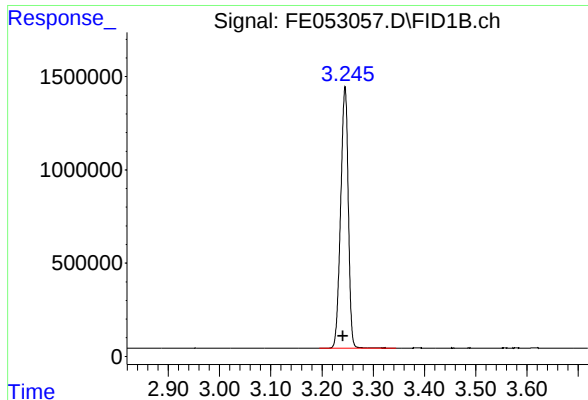
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Data File : FE053057.D
Signal(s) : FID1B.ch
Acq On : 28 Mar 2025 23:09
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 31 02:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

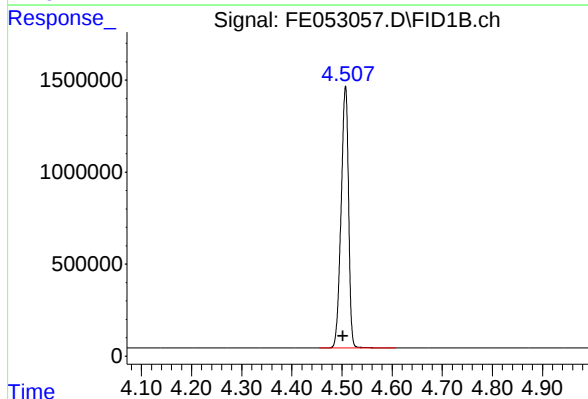




#1 n-Nonane (C9)

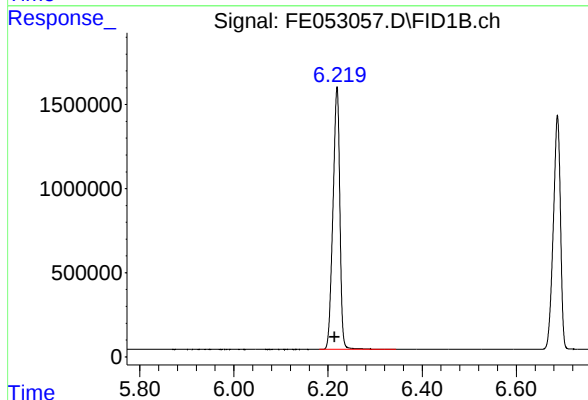
R.T.: 3.245 min
Delta R.T.: 0.004 min
Response: 14467051
Conc: 92.98 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



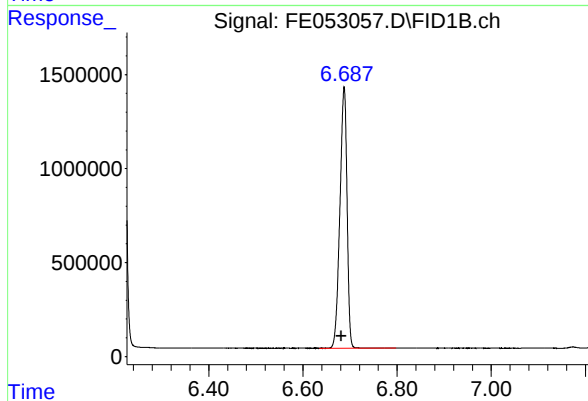
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: 0.005 min
Response: 14671828
Conc: 92.99 ug/ml



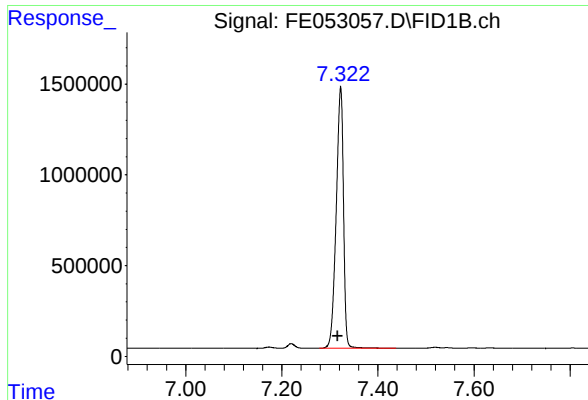
#3 A~Naphthalene (C11.7)

R.T.: 6.219 min
Delta R.T.: 0.005 min
Response: 15876340
Conc: 93.56 ug/ml



#4 n-Dodecane (C12)

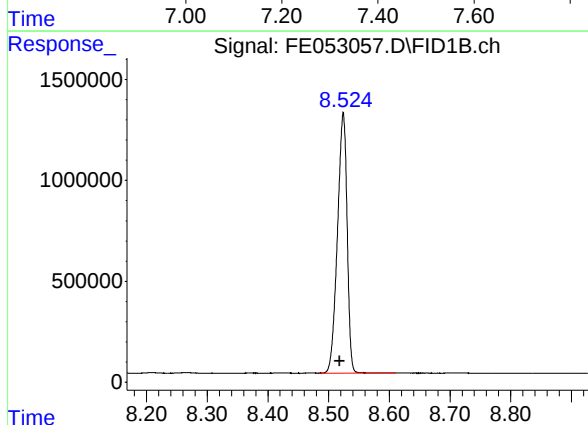
R.T.: 6.687 min
Delta R.T.: 0.005 min
Response: 14648617
Conc: 93.11 ug/ml



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

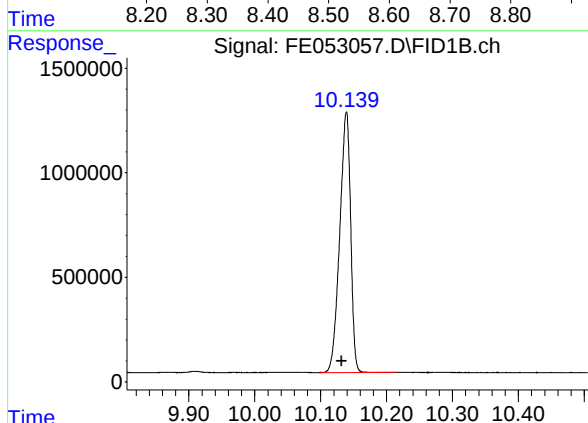
R.T.: 7.322 min
Delta R.T.: 0.006 min
Response: 15149487
Conc: 93.60 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



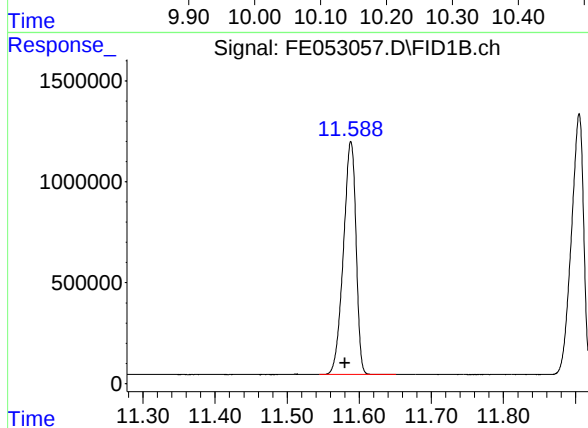
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: 0.006 min
Response: 14259186
Conc: 92.60 ug/ml



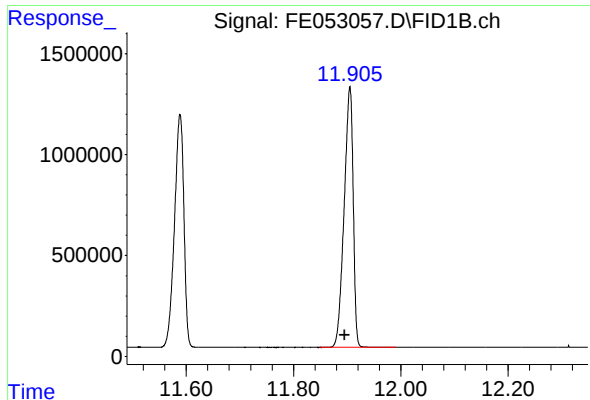
#7 n-Hexadecane (C16)

R.T.: 10.139 min
Delta R.T.: 0.007 min
Response: 14338657
Conc: 92.19 ug/ml



#8 n-Octadecane (C18)

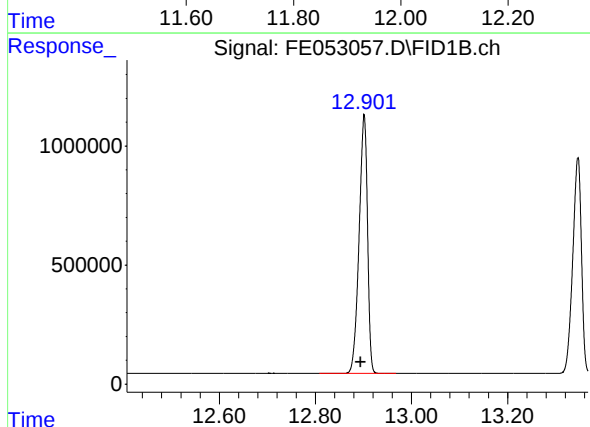
R.T.: 11.588 min
Delta R.T.: 0.008 min
Response: 14068370
Conc: 91.87 ug/ml



#9 ortho-Terphenyl (SURR)

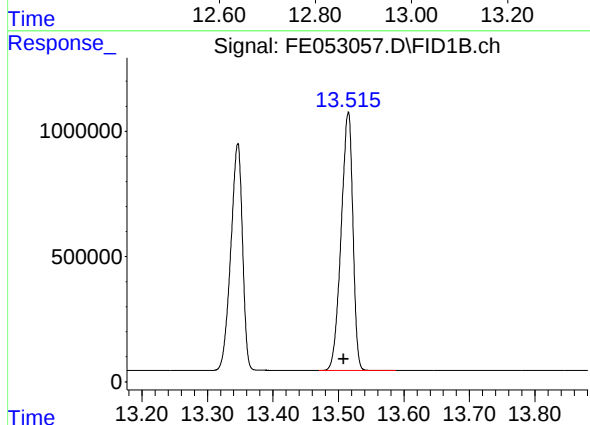
R.T.: 11.905 min
Delta R.T.: 0.009 min
Response: 15124462
Conc: 92.18 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



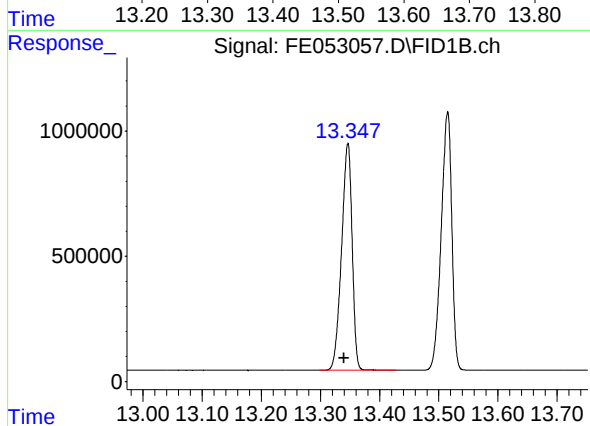
#10 n-Eicosane (C20)

R.T.: 12.901 min
Delta R.T.: 0.007 min
Response: 13195143
Conc: 91.68 ug/ml



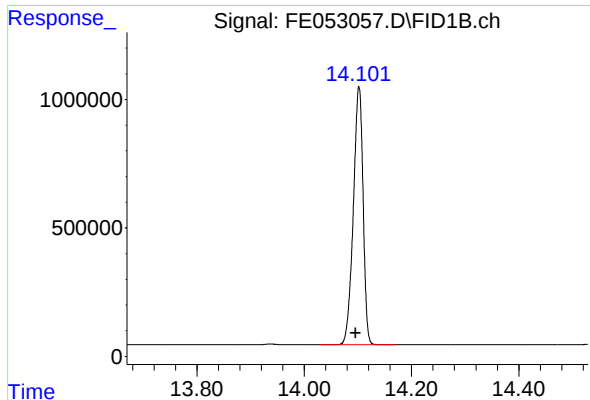
#11 n-Heneicosane (C21)

R.T.: 13.515 min
Delta R.T.: 0.007 min
Response: 12858355
Conc: 91.98 ug/ml



#12 1-chlorooctadecane (SURR)

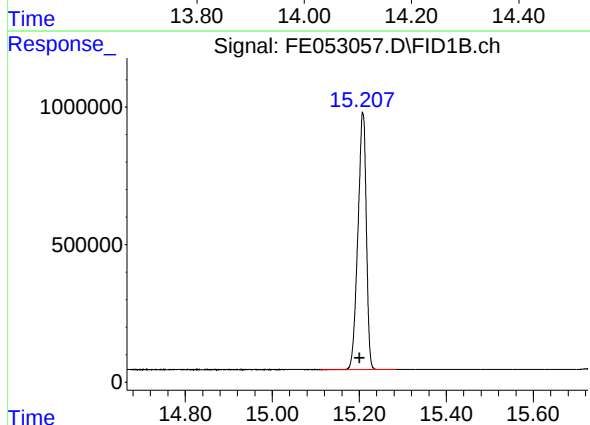
R.T.: 13.346 min
Delta R.T.: 0.006 min
Response: 11256528
Conc: 93.00 ug/ml



#13 n-Docosane (C22)

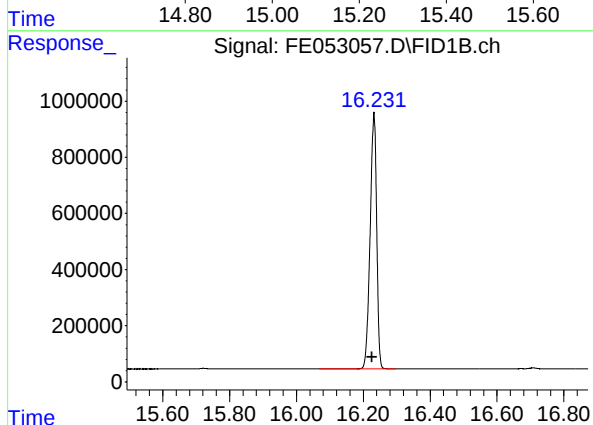
R.T.: 14.102 min
Delta R.T.: 0.006 min
Response: 12690489
Conc: 92.04 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



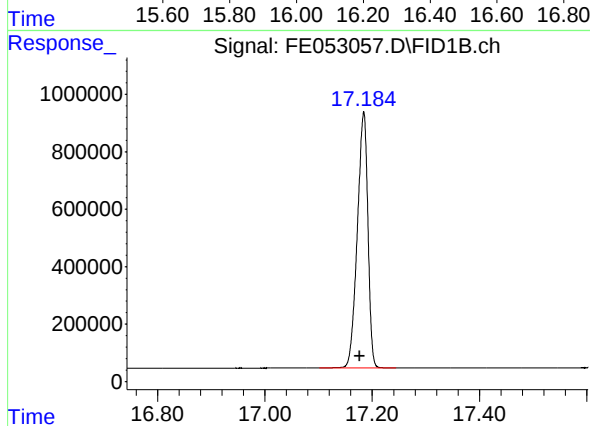
#14 n-Tetracosane (C24)

R.T.: 15.208 min
Delta R.T.: 0.007 min
Response: 12543071
Conc: 92.48 ug/ml



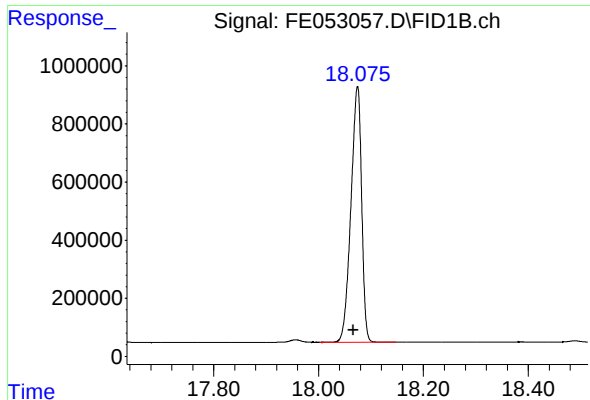
#15 n-Hexacosane (C26)

R.T.: 16.232 min
Delta R.T.: 0.006 min
Response: 12367318
Conc: 92.20 ug/ml



#16 n-Octacosane (C28)

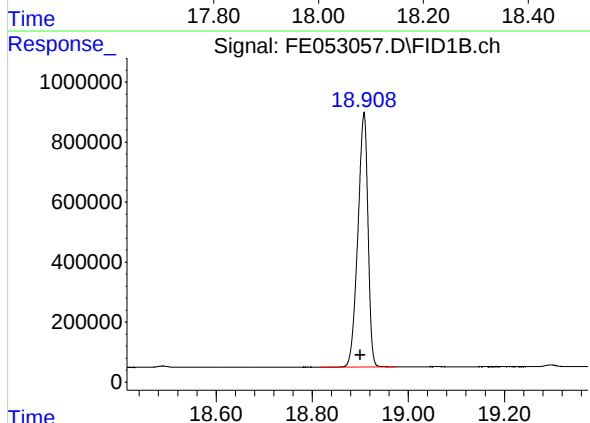
R.T.: 17.184 min
Delta R.T.: 0.007 min
Response: 12193900
Conc: 92.21 ug/ml



#17 n-Tricontane (C30)

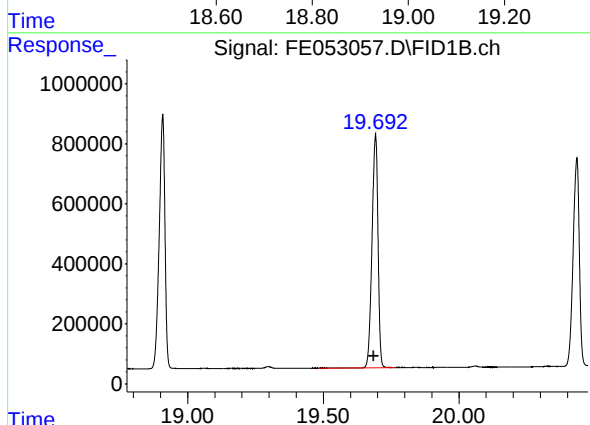
R.T.: 18.074 min
Delta R.T.: 0.008 min
Response: 12479859
Conc: 92.08 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



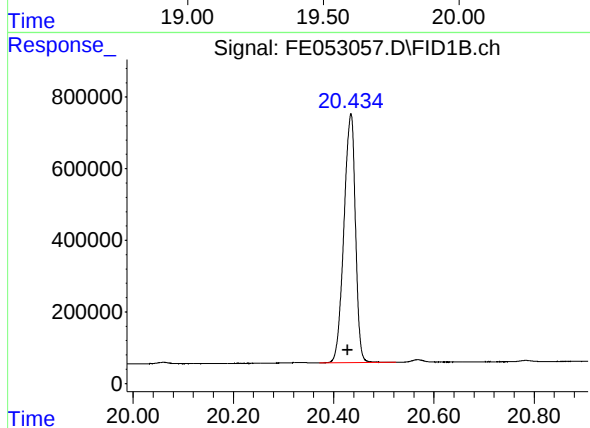
#18 n-Dotriacontane (C32)

R.T.: 18.907 min
Delta R.T.: 0.007 min
Response: 12339520
Conc: 91.92 ug/ml



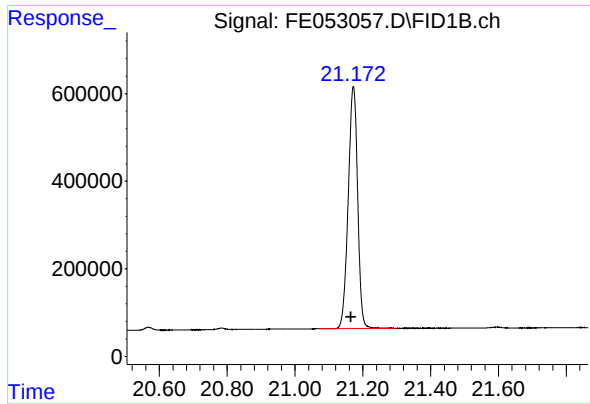
#19 n-Tetratriacontane (C34)

R.T.: 19.692 min
Delta R.T.: 0.006 min
Response: 11894139
Conc: 92.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.434 min
Delta R.T.: 0.006 min
Response: 11060374
Conc: 93.78 ug/ml



#21 n-Octatriacontane (C38)

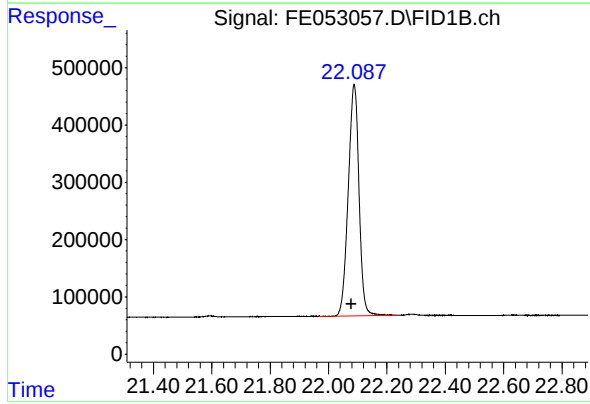
R.T.: 21.172 min
Delta R.T.: 0.007 min
Response: 10654154
Conc: 92.57 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.088 min
Delta R.T.: 0.009 min
Response: 10335178
Conc: 90.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053057.D
 Signal(s) : FID1B.ch
 Acq On : 28 Mar 2025 23:09
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.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	3.245	3.194	3.344	BB	1398509	14467051	91.12%	5.015%
2	4.507	4.454	4.608	BB	1434765	14671828	92.41%	5.086%
3	6.219	6.181	6.344	BB	1544923	15876340	100.00%	5.504%
4	6.687	6.634	6.798	BB	1392621	14648617	92.27%	5.078%
5	7.322	7.278	7.438	PV	1420555	15149487	95.42%	5.252%
6	8.524	8.484	8.611	BB	1293905	14259186	89.81%	4.943%
7	10.139	10.098	10.214	BB	1237096	14338657	90.31%	4.971%
8	11.588	11.544	11.651	BB	1155741	14068370	88.61%	4.877%
9	11.905	11.848	11.991	BB	1288723	15124462	95.26%	5.243%
10	12.901	12.808	12.968	BB	1085976	13195143	83.11%	4.574%
11	13.346	13.298	13.428	BV	917819	11256528	70.90%	3.902%
12	13.515	13.470	13.588	VB	1030730	12858355	80.99%	4.457%
13	14.102	14.028	14.171	BB	1004859	12690489	79.93%	4.399%
14	15.208	15.108	15.284	BB	938755	12543071	79.00%	4.348%
15	16.232	16.068	16.298	BB	904338	12367318	77.90%	4.287%
16	17.184	17.101	17.244	BB	893749	12193900	76.81%	4.227%
17	18.074	18.001	18.148	BB	884811	12479859	78.61%	4.326%
18	18.907	18.814	18.974	BB	847236	12339520	77.72%	4.278%
19	19.692	19.484	19.768	BB	773669	11894139	74.92%	4.123%
20	20.434	20.371	20.524	BB	696151	11060374	69.67%	3.834%
21	21.172	21.071	21.298	BB	553274	10654154	67.11%	3.693%
22	22.088	21.968	22.231	BV	404198	10335178	65.10%	3.583%
Sum of corrected areas:						288472026		

Aliphatic EPH 032925.M Mon Mar 31 02:54:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053058.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2025 00:09
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Mar 31 02:33:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
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 Integrator: ChemStation

Volume Inj. : 1 ul
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 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 =	94.34%
12) S 1-chlorooctadecane (S...	13.342	5737088	47.401 ug/ml
Spiked Amount 50.000		Recovery =	94.80%
Target Compounds			
1) T n-Nonane (C9)	3.243	7405859	47.599 ug/ml
2) T n-Decane (C10)	4.504	7507316	47.579 ug/ml
3) T A~Naphthalene (C11.7)	6.215	8098490	47.725 ug/ml
4) T n-Dodecane (C12)	6.684	7477175	47.526 ug/ml
5) T A~2-methylnaphthalene...	7.318	7723061	47.719 ug/ml
6) T n-Tetradecane (C14)	8.520	7290540	47.345 ug/ml
7) T n-Hexadecane (C16)	10.134	7326642	47.108 ug/ml
8) T n-Octadecane (C18)	11.583	7195583	46.987 ug/ml
10) T n-Eicosane (C20)	12.896	6752815	46.919 ug/ml
11) T n-Heneicosane (C21)	13.510	6583211	47.094 ug/ml
13) T n-Docosane (C22)	14.098	6496795	47.117 ug/ml
14) T n-Tetracosane (C24)	15.204	6423393	47.360 ug/ml
15) T n-Hexacosane (C26)	16.228	6336602	47.242 ug/ml
16) T n-Octacosane (C28)	17.179	6247868	47.247 ug/ml
17) T n-Tricontane (C30)	18.068	6397526	47.205 ug/ml
18) T n-Dotriacontane (C32)	18.902	6321218	47.090 ug/ml
19) T n-Tetratriacontane (C34)	19.687	6102318	47.259 ug/ml
20) T n-Hexatriacontane (C36)	20.429	5671223	48.086 ug/ml
21) T n-Octatriacontane (C38)	21.167	5456156	47.406 ug/ml
22) T n-Tetracontane (C40)	22.083	5373975	47.297 ug/ml

(f)=RT Delta > 1/2 Window

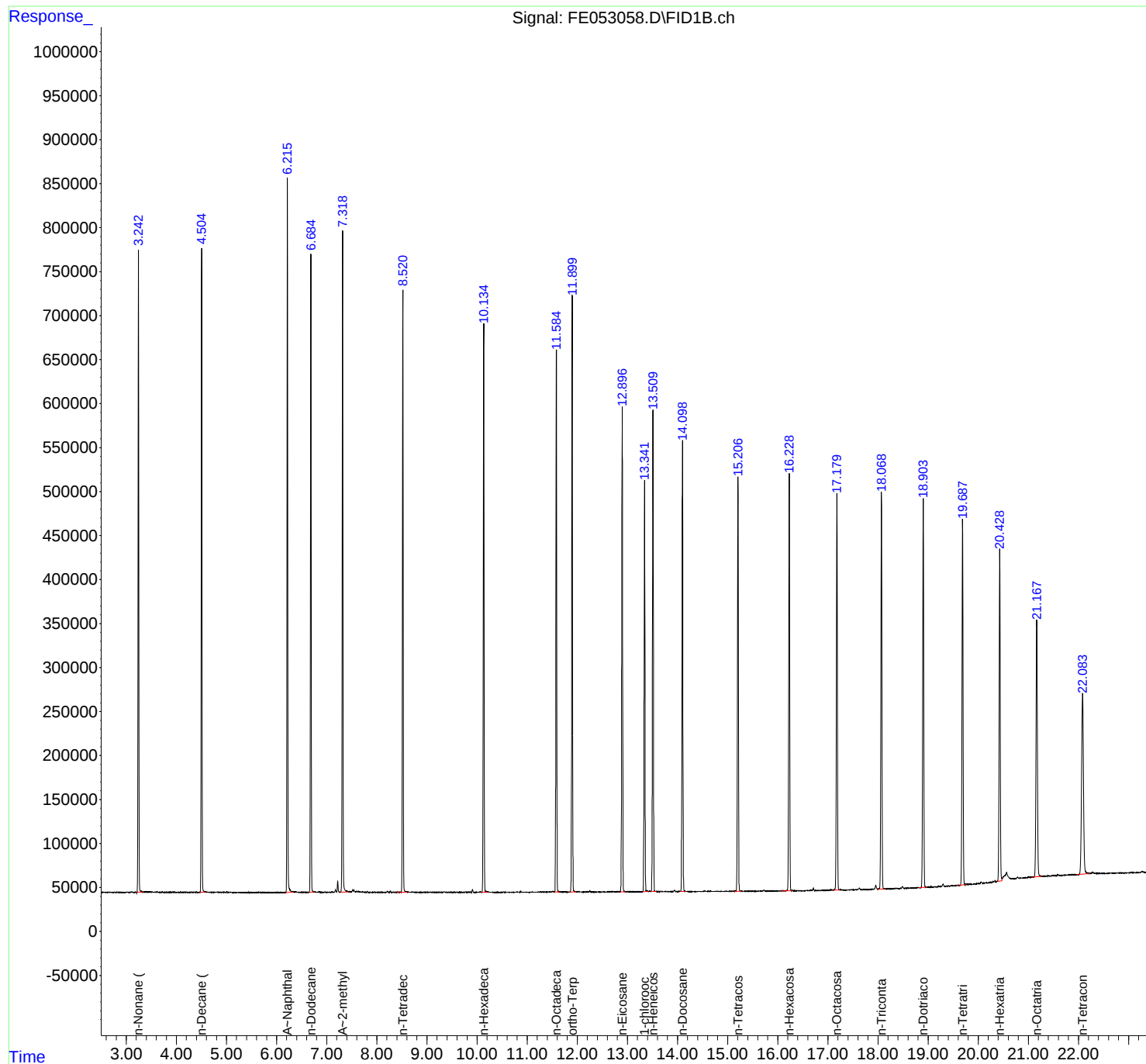
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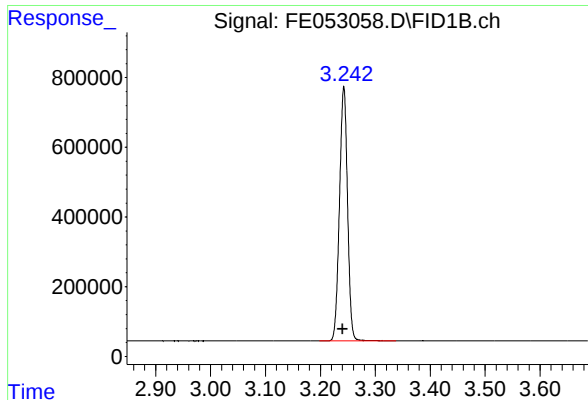
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053058.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:09
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 31 02:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

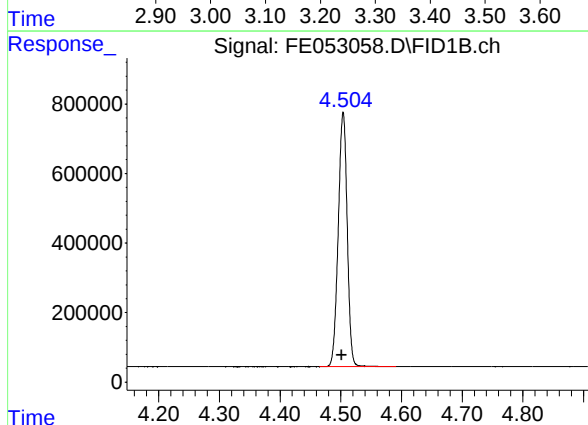




#1 n-Nonane (C9)

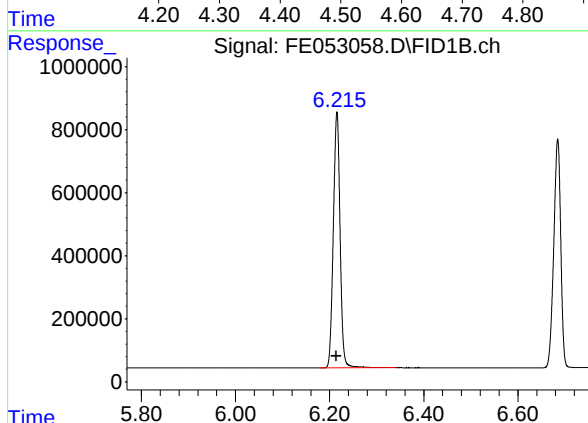
R.T.: 3.243 min
Delta R.T.: 0.002 min
Response: 7405859
Conc: 47.60 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



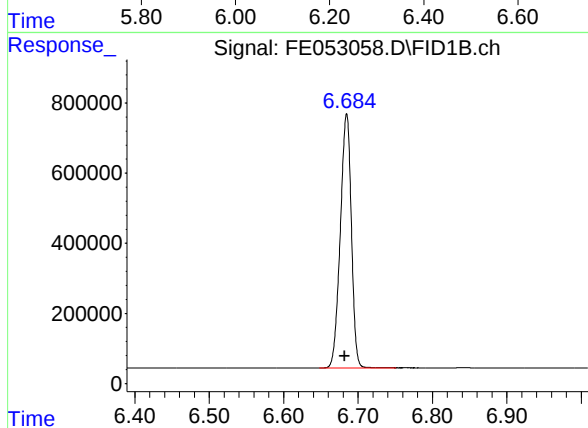
#2 n-Decane (C10)

R.T.: 4.504 min
Delta R.T.: 0.002 min
Response: 7507316
Conc: 47.58 ug/ml



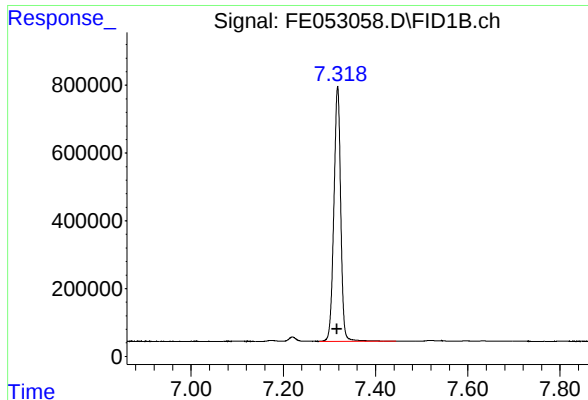
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.001 min
Response: 8098490
Conc: 47.72 ug/ml



#4 n-Dodecane (C12)

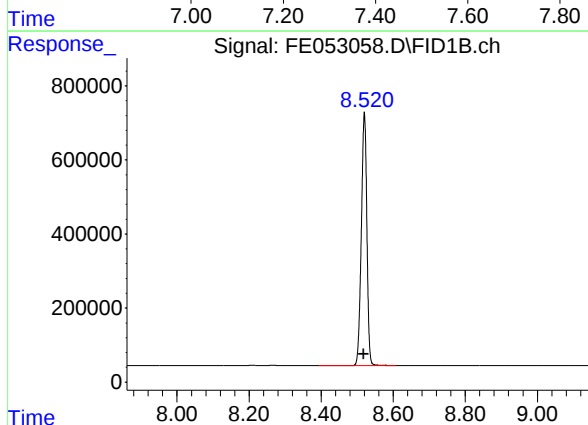
R.T.: 6.684 min
Delta R.T.: 0.002 min
Response: 7477175
Conc: 47.53 ug/ml



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

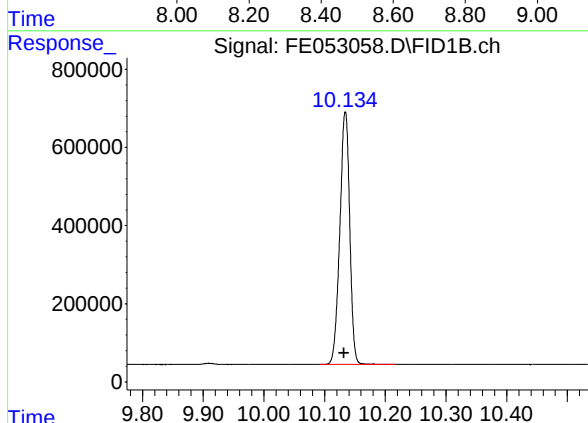
R.T.: 7.318 min
Delta R.T.: 0.002 min
Response: 7723061
Conc: 47.72 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



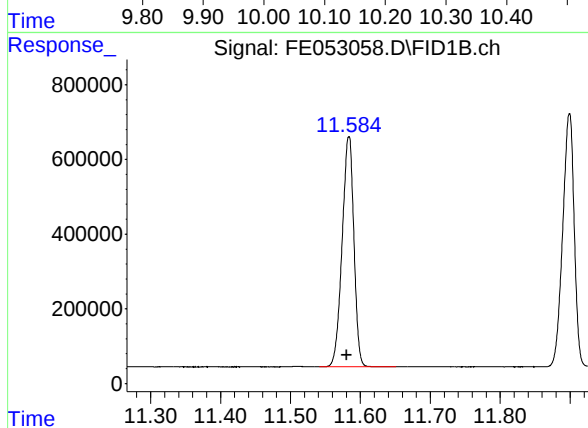
#6 n-Tetradecane (C14)

R.T.: 8.520 min
Delta R.T.: 0.002 min
Response: 7290540
Conc: 47.35 ug/ml



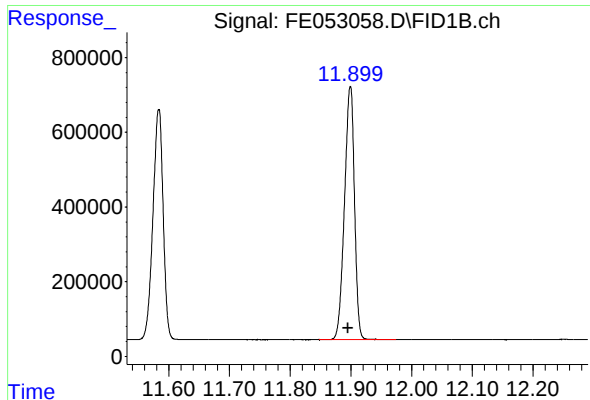
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: 0.002 min
Response: 7326642
Conc: 47.11 ug/ml



#8 n-Octadecane (C18)

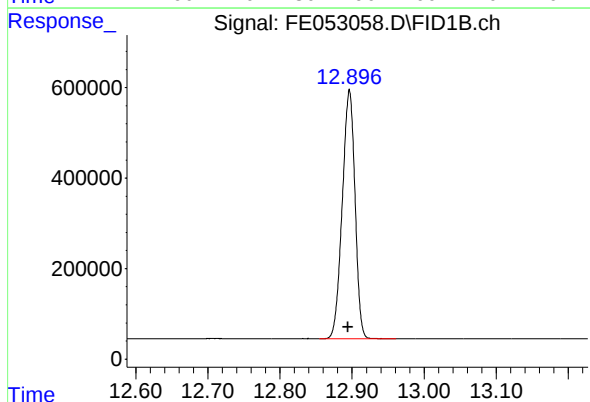
R.T.: 11.583 min
Delta R.T.: 0.003 min
Response: 7195583
Conc: 46.99 ug/ml



#9 ortho-Terphenyl (SURR)

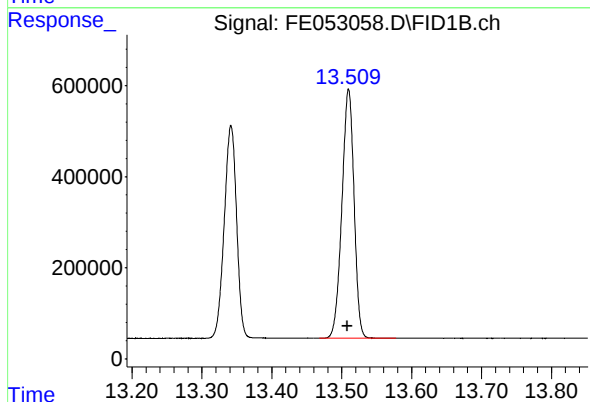
R.T.: 11.899 min
Delta R.T.: 0.004 min
Response: 7739554
Conc: 47.17 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



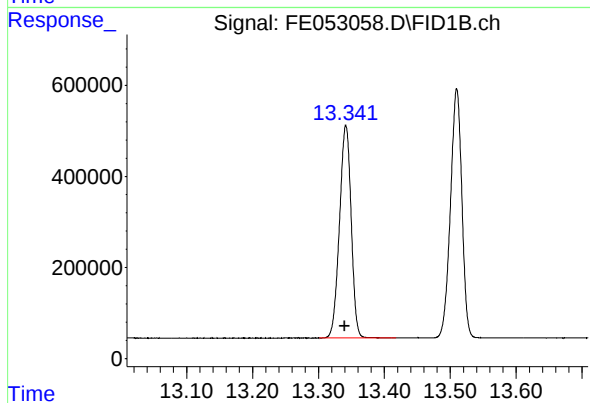
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: 0.002 min
Response: 6752815
Conc: 46.92 ug/ml



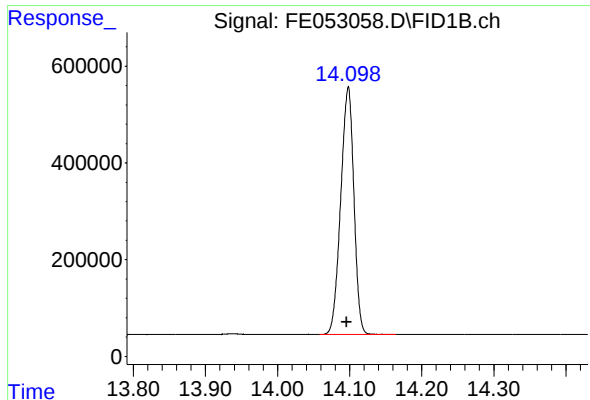
#11 n-Heneicosane (C21)

R.T.: 13.510 min
Delta R.T.: 0.002 min
Response: 6583211
Conc: 47.09 ug/ml



#12 1-chlorooctadecane (SURR)

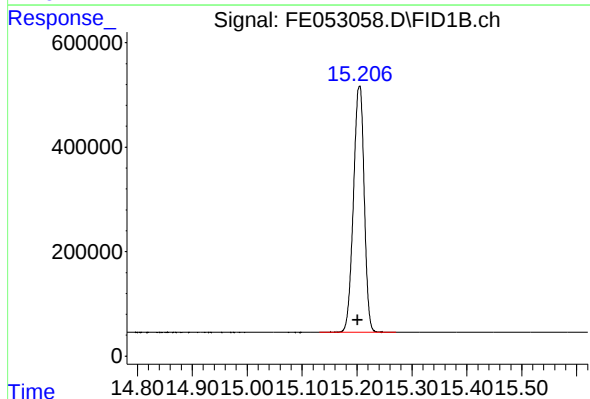
R.T.: 13.342 min
Delta R.T.: 0.002 min
Response: 5737088
Conc: 47.40 ug/ml



#13 n-Docosane (C22)

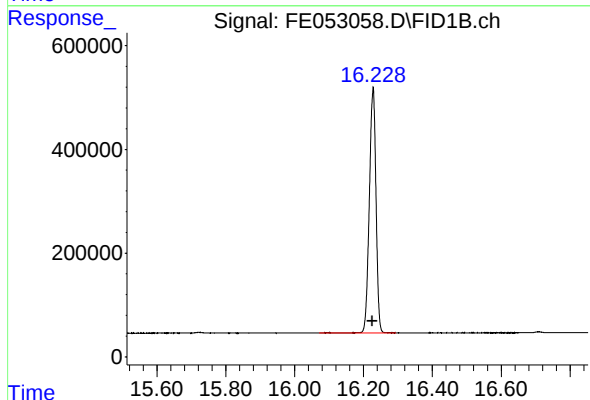
R.T.: 14.098 min
Delta R.T.: 0.002 min
Response: 6496795
Conc: 47.12 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



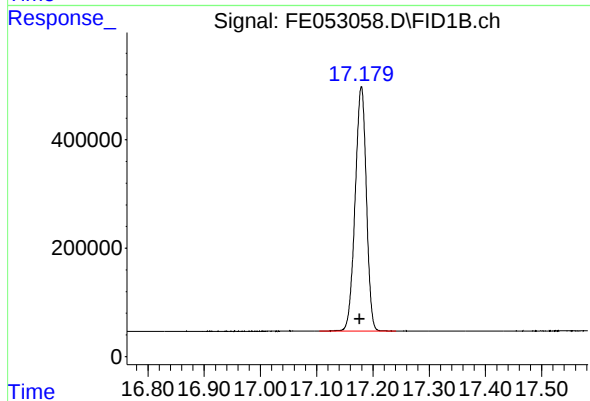
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: 0.003 min
Response: 6423393
Conc: 47.36 ug/ml



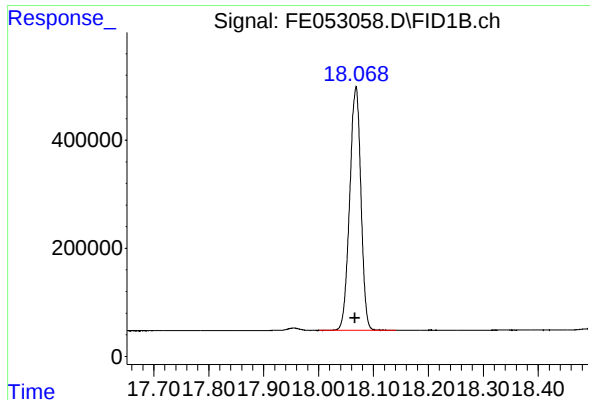
#15 n-Hexacosane (C26)

R.T.: 16.228 min
Delta R.T.: 0.002 min
Response: 6336602
Conc: 47.24 ug/ml



#16 n-Octacosane (C28)

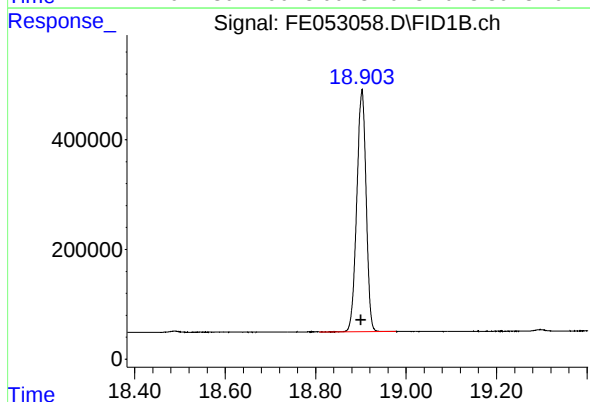
R.T.: 17.179 min
Delta R.T.: 0.003 min
Response: 6247868
Conc: 47.25 ug/ml



#17 n-Tricontane (C30)

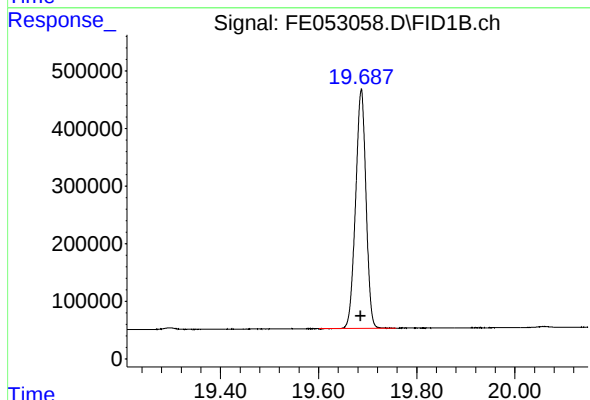
R.T.: 18.068 min
Delta R.T.: 0.001 min
Response: 6397526
Conc: 47.20 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



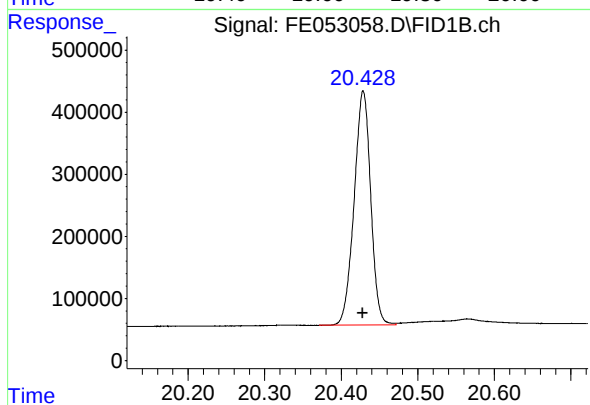
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: 0.002 min
Response: 6321218
Conc: 47.09 ug/ml



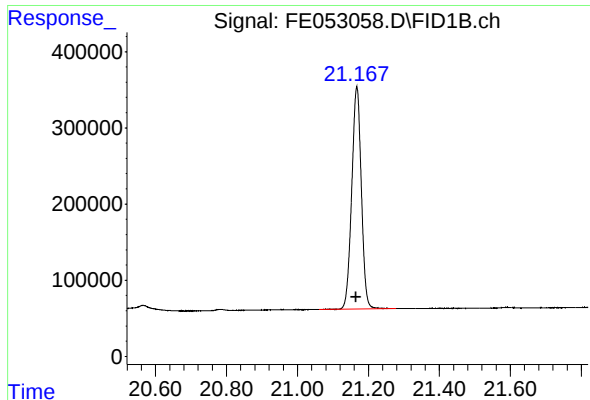
#19 n-Tetatriacontane (C34)

R.T.: 19.687 min
Delta R.T.: 0.000 min
Response: 6102318
Conc: 47.26 ug/ml



#20 n-Hexatriacontane (C36)

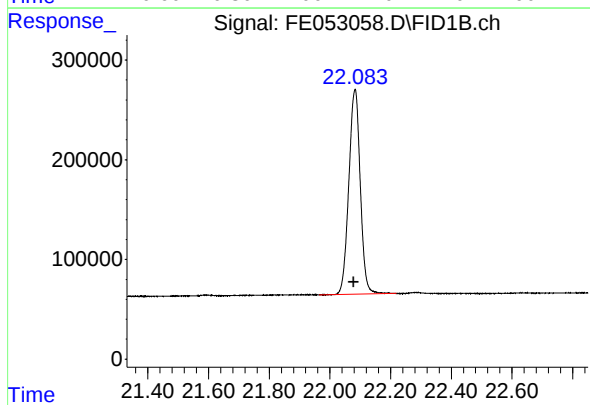
R.T.: 20.429 min
Delta R.T.: 0.000 min
Response: 5671223
Conc: 48.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.167 min
Delta R.T.: 0.002 min
Response: 5456156
Conc: 47.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.083 min
Delta R.T.: 0.004 min
Response: 5373975
Conc: 47.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053058.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:09
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.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	3.243	3.198	3.338	BB	730098	7405859	91.45%	5.015%
2	4.504	4.464	4.591	BB	732774	7507316	92.70%	5.084%
3	6.216	6.178	6.341	BB	807318	8098490	100.00%	5.484%
4	6.684	6.648	6.751	BB	725111	7477175	92.33%	5.064%
5	7.318	7.278	7.444	PV	750753	7723061	95.36%	5.230%
6	8.520	8.394	8.608	BB	681511	7290540	90.02%	4.937%
7	10.134	10.091	10.218	BB	648500	7326642	90.47%	4.962%
8	11.583	11.541	11.651	BB	623750	7195583	88.85%	4.873%
9	11.899	11.848	11.974	BB	678047	7739554	95.57%	5.241%
10	12.896	12.854	12.961	BB	550845	6752815	83.38%	4.573%
11	13.342	13.301	13.418	BB	466777	5737088	70.84%	3.885%
12	13.510	13.468	13.578	BB	548235	6583211	81.29%	4.458%
13	14.098	14.058	14.164	BB	510319	6496795	80.22%	4.400%
14	15.204	15.131	15.271	BB	471983	6423393	79.32%	4.350%
15	16.228	16.071	16.294	BB	471407	6336602	78.24%	4.291%
16	17.179	17.104	17.241	BB	453859	6247868	77.15%	4.231%
17	18.068	18.001	18.141	BB	448509	6397526	79.00%	4.332%
18	18.902	18.808	18.978	BB	436134	6321218	78.05%	4.281%
19	19.687	19.601	19.758	BB	416325	6102318	75.35%	4.133%
20	20.429	20.371	20.471	BV	376959	5671223	70.03%	3.841%
21	21.167	21.061	21.278	BB	291917	5456156	67.37%	3.695%
22	22.083	21.964	22.218	BB	206329	5373975	66.36%	3.639%

Sum of corrected areas: 147664408

Aliphatic EPH 032925.M Mon Mar 31 02:54:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053059.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2025 00:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Mar 31 02:34:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:32:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.895	3281499	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.340	2420661	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.241	3111803	20.000 ug/ml
2) T n-Decane (C10)	4.502	3155729	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.214	3393831	20.000 ug/ml
4) T n-Dodecane (C12)	6.682	3146549	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.316	3236897	20.000 ug/ml
6) T n-Tetradecane (C14)	8.518	3079745	20.000 ug/ml
7) T n-Hexadecane (C16)	10.132	3110571	20.000 ug/ml
8) T n-Octadecane (C18)	11.580	3062795	20.000 ug/ml
10) T n-Eicosane (C20)	12.894	2878519	20.000 ug/ml
11) T n-Heneicosane (C21)	13.508	2795775	20.000 ug/ml
13) T n-Docosane (C22)	14.096	2757743	20.000 ug/ml
14) T n-Tetracosane (C24)	15.201	2712592	20.000 ug/ml
15) T n-Hexacosane (C26)	16.225	2682626	20.000 ug/ml
16) T n-Octacosane (C28)	17.177	2644740	20.000 ug/ml
17) T n-Tricontane (C30)	18.066	2710540	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.900	2684745	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.686	2582519	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.428	2358807	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.165	2301865	20.000 ug/ml
22) T n-Tetracontane (C40)	22.078	2272435	20.000 ug/ml

(f)=RT Delta > 1/2 Window

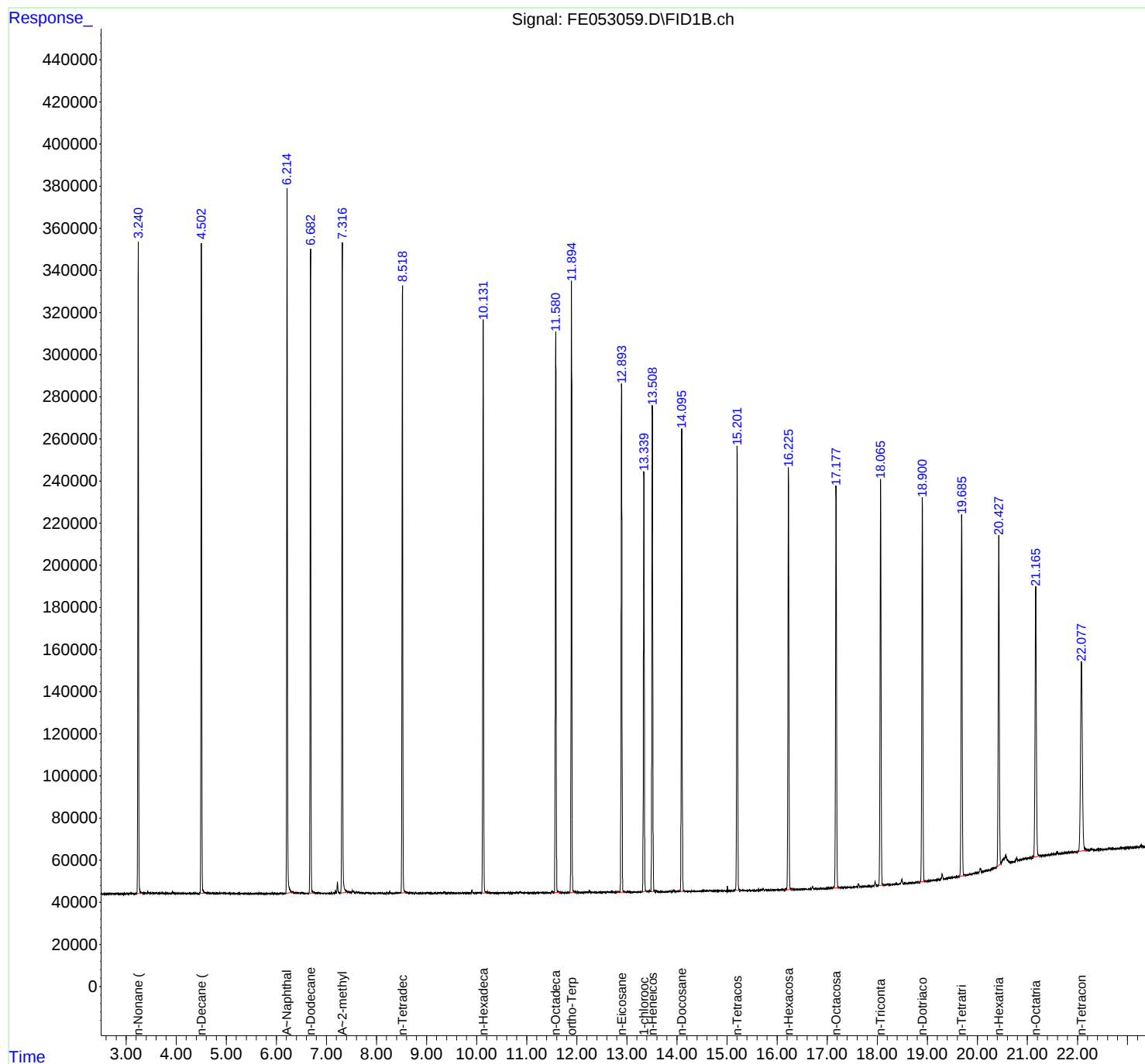
(m)=manual int.

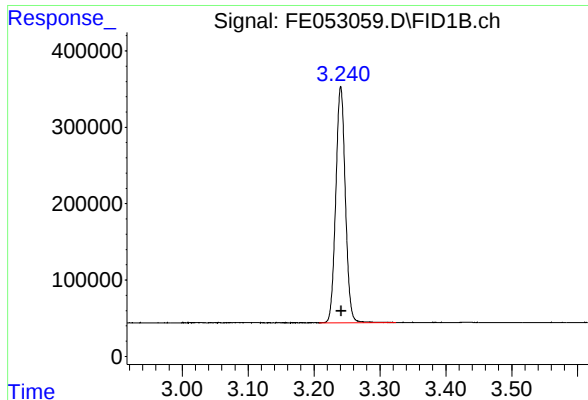
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053059.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 31 02:34:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

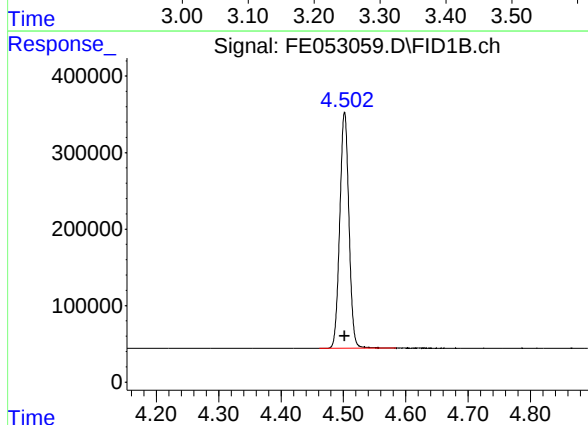




#1 n-Nonane (C9)

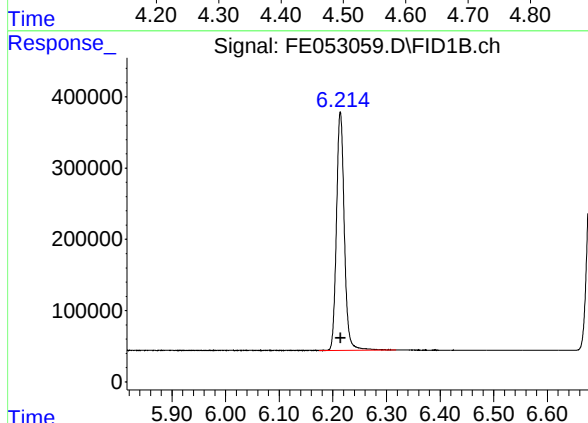
R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 3111803
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



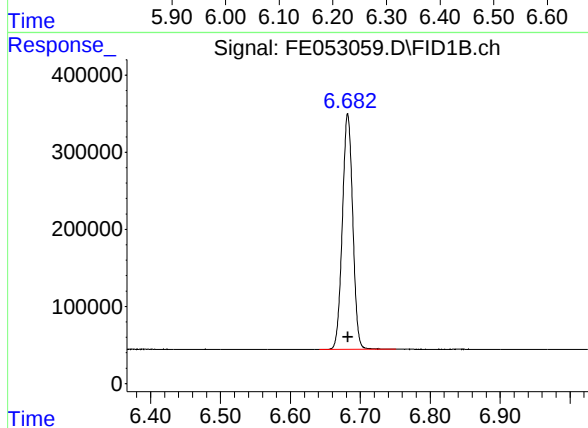
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 3155729
Conc: 20.00 ug/ml



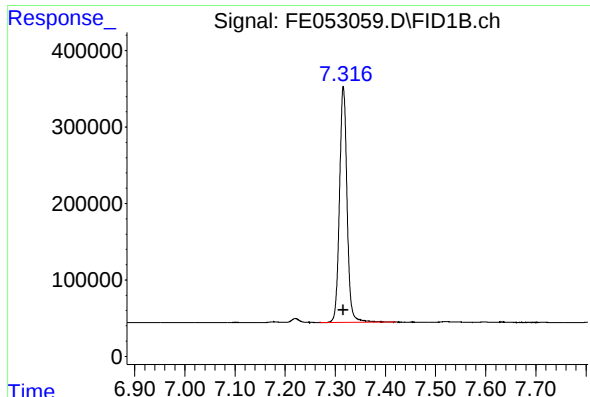
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 3393831
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

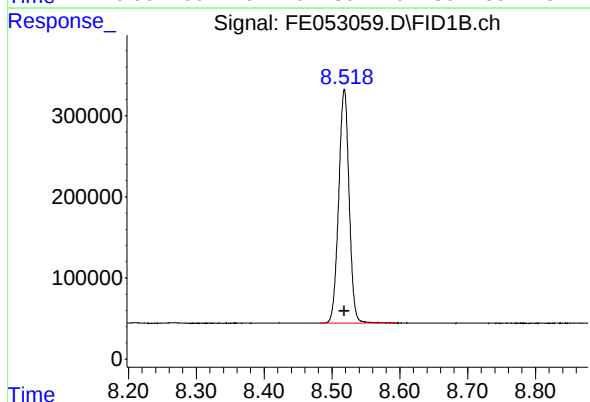
R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 3146549
Conc: 20.00 ug/ml



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

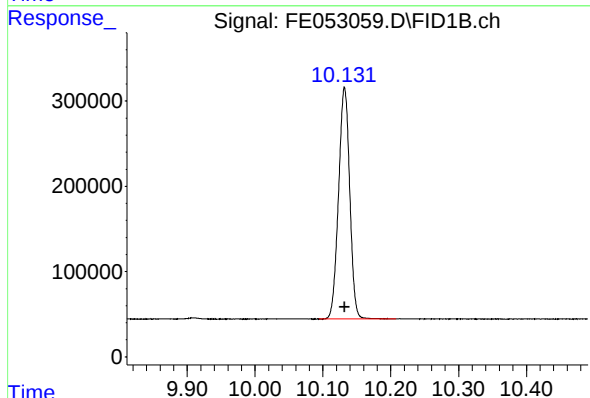
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 3236897
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



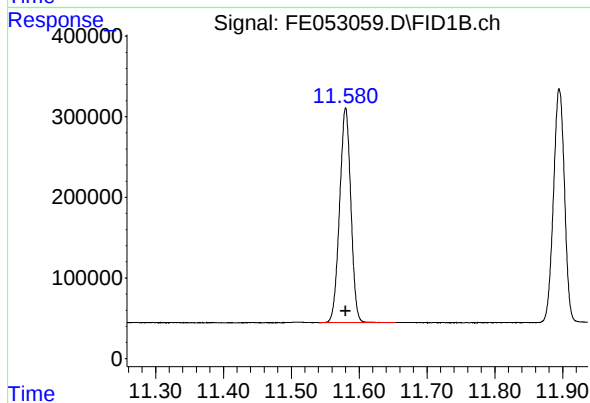
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: 0.000 min
Response: 3079745
Conc: 20.00 ug/ml



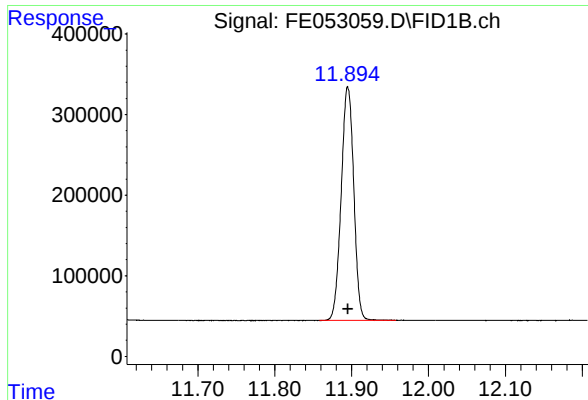
#7 n-Hexadecane (C16)

R.T.: 10.132 min
Delta R.T.: 0.000 min
Response: 3110571
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

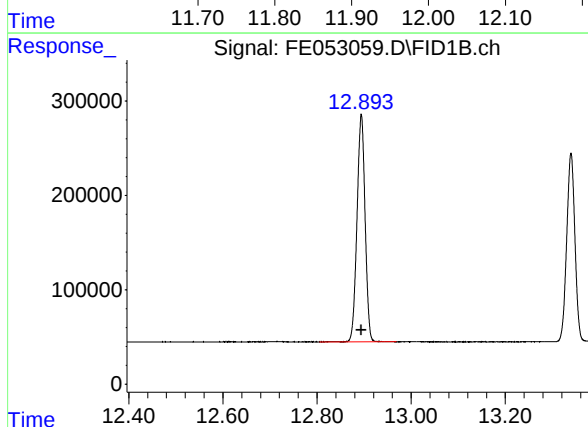
R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 3062795
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURRE)

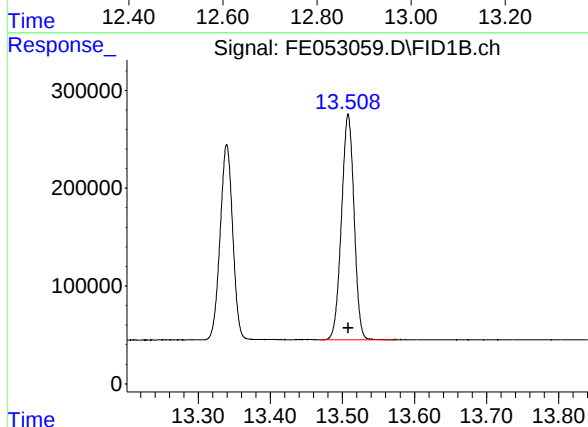
R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 3281499
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



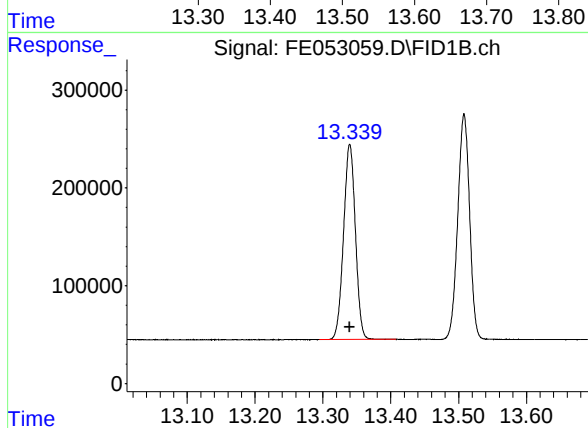
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 2878519
Conc: 20.00 ug/ml



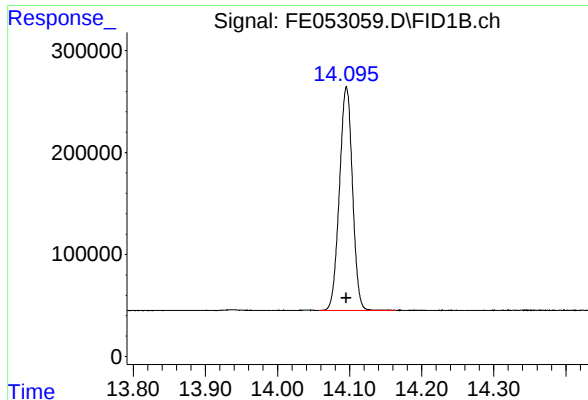
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2795775
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURRE)

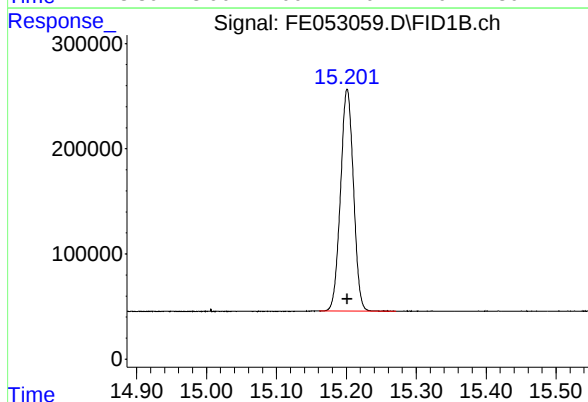
R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2420661
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

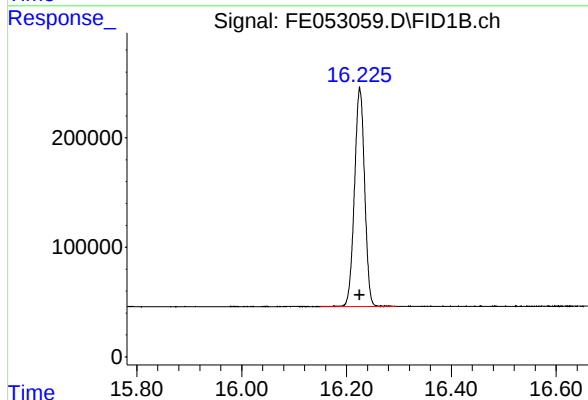
R.T.: 14.096 min
Delta R.T.: 0.000 min
Response: 2757743
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



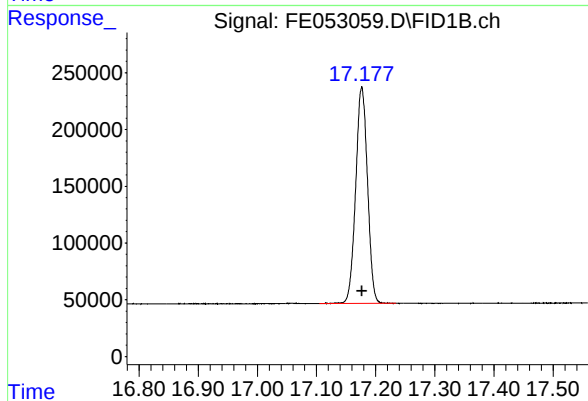
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2712592
Conc: 20.00 ug/ml



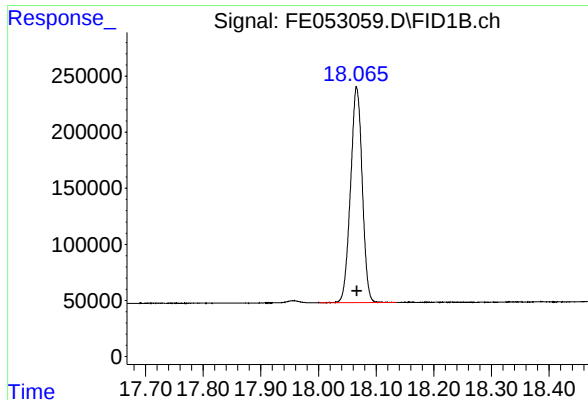
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 2682626
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

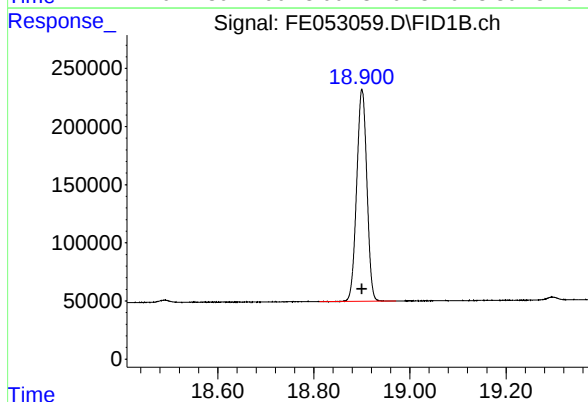
R.T.: 17.177 min
Delta R.T.: 0.000 min
Response: 2644740
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

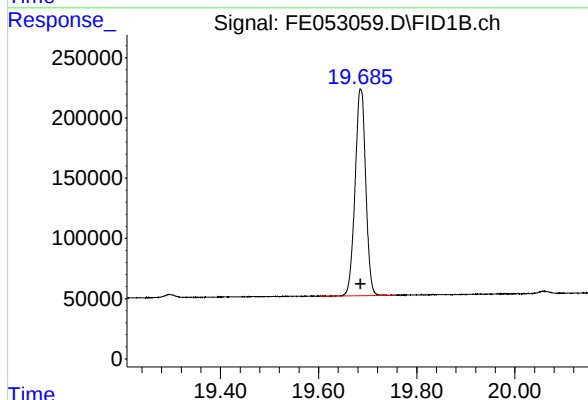
R.T.: 18.066 min
Delta R.T.: 0.000 min
Response: 2710540
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



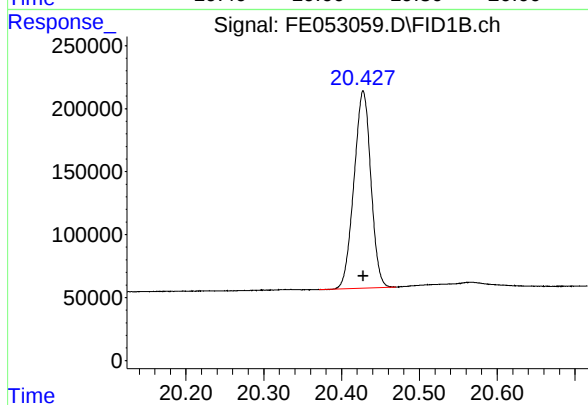
#18 n-Dotriacontane (C32)

R.T.: 18.900 min
Delta R.T.: 0.000 min
Response: 2684745
Conc: 20.00 ug/ml



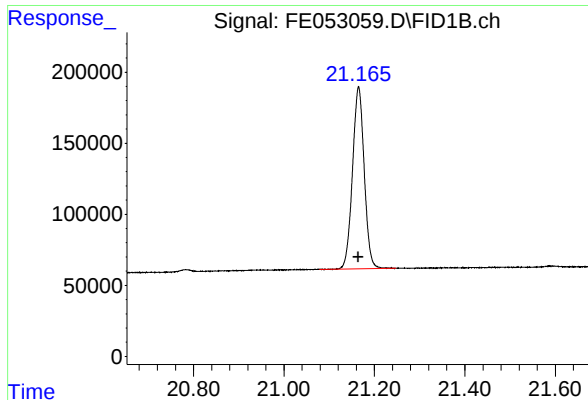
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: 0.000 min
Response: 2582519
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

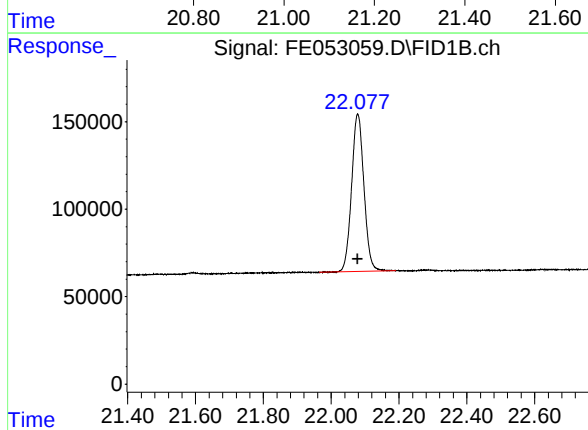
R.T.: 20.428 min
Delta R.T.: 0.000 min
Response: 2358807
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.165 min
Delta R.T.: 0.000 min
Response: 2301865
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.078 min
Delta R.T.: 0.000 min
Response: 2272435
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053059.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:39
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.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	3.241	3.208	3.324	BB	309165	3111803	91.69%	4.988%
2	4.502	4.461	4.584	BB	308263	3155729	92.98%	5.059%
3	6.214	6.174	6.318	BB	334440	3393831	100.00%	5.440%
4	6.682	6.641	6.751	BB	304978	3146549	92.71%	5.044%
5	7.316	7.268	7.421	BB	306695	3236897	95.38%	5.189%
6	8.518	8.481	8.594	BB	287229	3079745	90.75%	4.937%
7	10.132	10.094	10.208	BB	271253	3110571	91.65%	4.986%
8	11.580	11.541	11.654	BB	266239	3062795	90.25%	4.910%
9	11.895	11.858	11.958	BB	290384	3281499	96.69%	5.260%
10	12.894	12.804	12.968	BB	241538	2878519	84.82%	4.614%
11	13.340	13.294	13.408	BB	198901	2420661	71.33%	3.880%
12	13.508	13.468	13.574	BB	230207	2795775	82.38%	4.482%
13	14.096	14.058	14.164	BB	218932	2757743	81.26%	4.421%
14	15.201	15.161	15.271	BB	210895	2712592	79.93%	4.348%
15	16.225	16.148	16.294	BB	199133	2682626	79.04%	4.300%
16	17.177	17.104	17.234	BB	190016	2644740	77.93%	4.240%
17	18.066	18.001	18.134	BB	190688	2710540	79.87%	4.345%
18	18.900	18.811	18.971	BB	182088	2684745	79.11%	4.304%
19	19.686	19.601	19.758	BB	172550	2582519	76.09%	4.140%
20	20.428	20.371	20.470	BV	156612	2358807	69.50%	3.781%
21	21.165	21.078	21.248	BB	128151	2301865	67.82%	3.690%
22	22.078	21.964	22.191	BB	89918	2272435	66.96%	3.643%
Sum of corrected areas:							62382986	

Aliphatic EPH 032925.M Mon Mar 31 02:54:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053060.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2025 01:09
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 31 02:34:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:32:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.894	1754070	10.691 ug/ml
Spiked Amount 50.000		Recovery =	21.38%
12) S 1-chlorooctadecane (S...	13.338	1286263	10.627 ug/ml
Spiked Amount 50.000		Recovery =	21.25%
Target Compounds			
1) T n-Nonane (C9)	3.242	1669873	10.733 ug/ml
2) T n-Decane (C10)	4.502	1694240	10.738 ug/ml
3) T A~Naphthalene (C11.7)	6.214	1806985	10.649 ug/ml
4) T n-Dodecane (C12)	6.681	1686577	10.720 ug/ml
5) T A~2-methylnaphthalene...	7.316	1711131	10.573 ug/ml
6) T n-Tetradecane (C14)	8.517	1648070	10.703 ug/ml
7) T n-Hexadecane (C16)	10.131	1659167	10.668 ug/ml
8) T n-Octadecane (C18)	11.579	1633136	10.664 ug/ml
10) T n-Eicosane (C20)	12.893	1532254	10.646 ug/ml
11) T n-Heneicosane (C21)	13.507	1494607	10.692 ug/ml
13) T n-Docosane (C22)	14.094	1475376	10.700 ug/ml
14) T n-Tetracosane (C24)	15.201	1459470	10.761 ug/ml
15) T n-Hexacosane (C26)	16.225	1436028	10.706 ug/ml
16) T n-Octacosane (C28)	17.175	1426366	10.786 ug/ml
17) T n-Tricontane (C30)	18.065	1462648	10.792 ug/ml
18) T n-Dotriacontane (C32)	18.899	1459482	10.872 ug/ml
19) T n-Tetratriacontane (C34)	19.683	1399687	10.840 ug/ml
20) T n-Hexatriacontane (C36)	20.425	1274690	10.808 ug/ml
21) T n-Octatriacontane (C38)	21.163	1238066	10.757 ug/ml
22) T n-Tetracontane (C40)	22.076	1209126	10.642 ug/ml

(f)=RT Delta > 1/2 Window

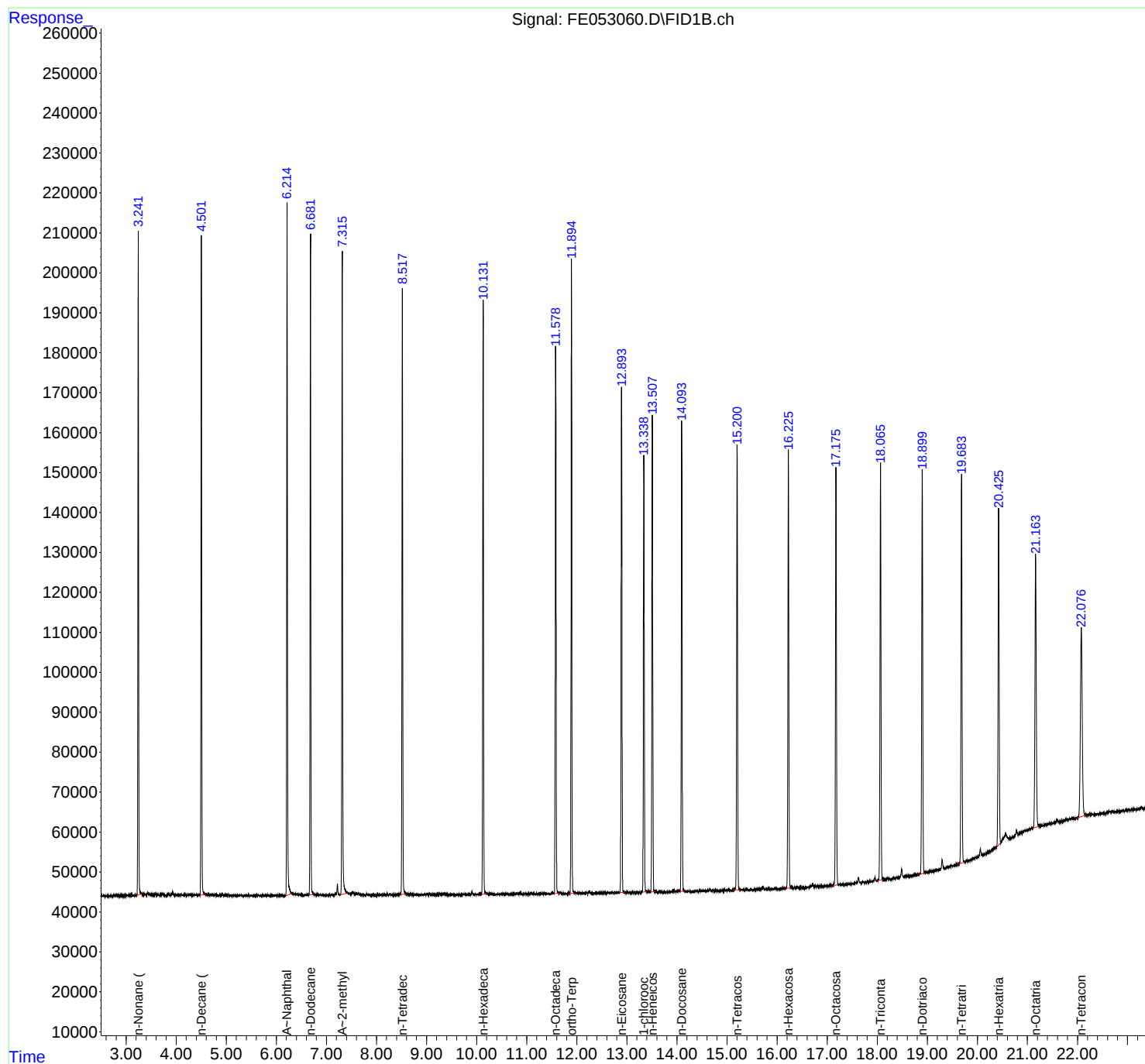
(m)=manual int.

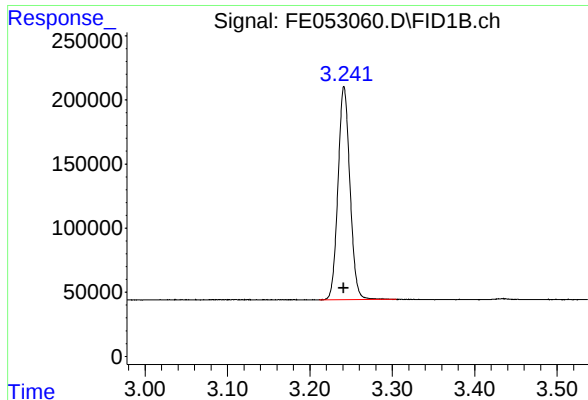
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053060.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:09
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 31 02:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

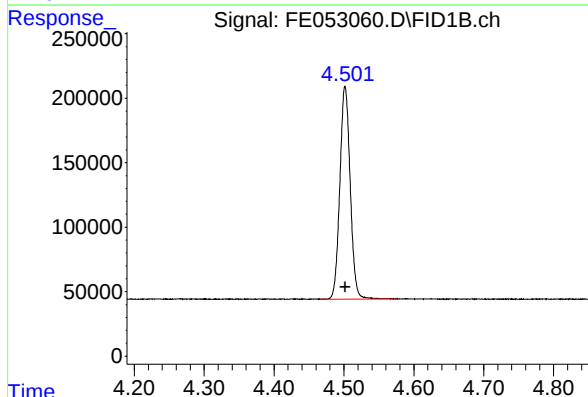




#1 n-Nonane (C9)

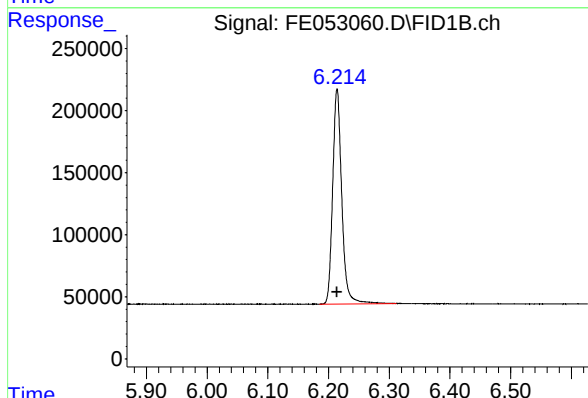
R.T.: 3.242 min
Delta R.T.: 0.000 min
Response: 1669873
Conc: 10.73 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



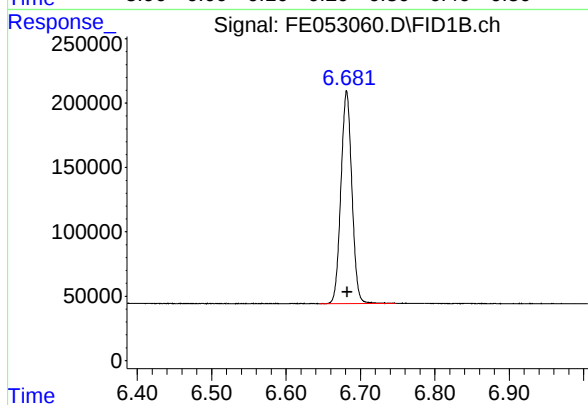
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 1694240
Conc: 10.74 ug/ml



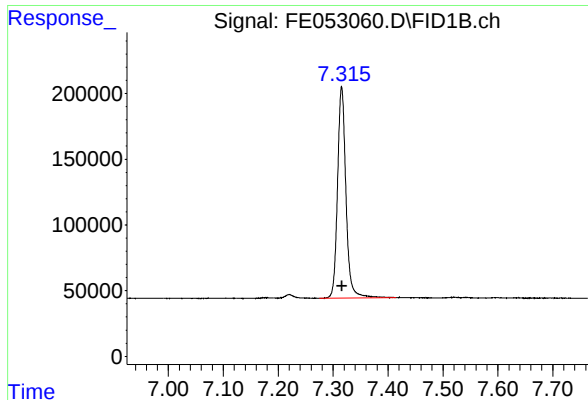
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 1806985
Conc: 10.65 ug/ml



#4 n-Dodecane (C12)

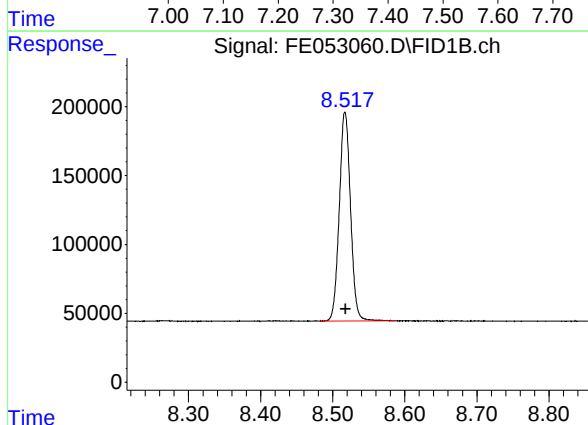
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 1686577
Conc: 10.72 ug/ml



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

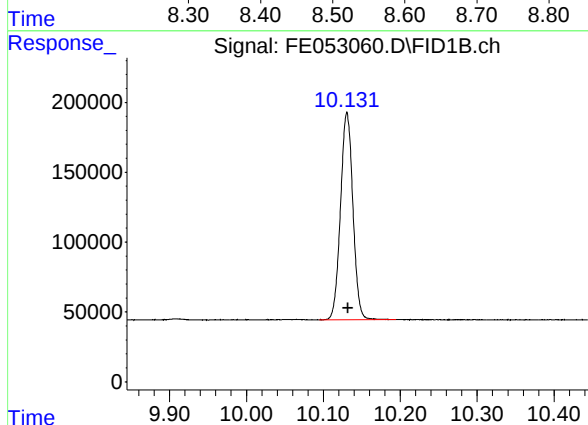
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 1711131
Conc: 10.57 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



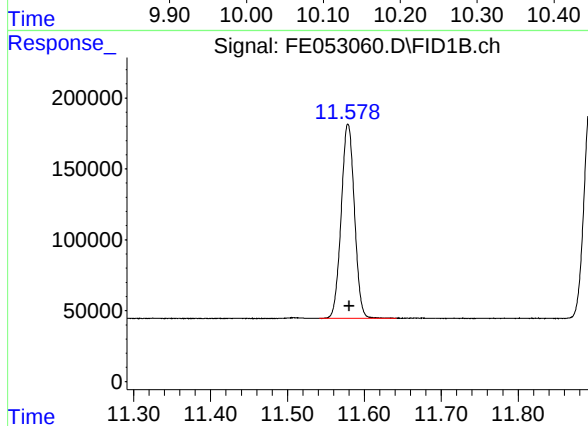
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: 0.000 min
Response: 1648070
Conc: 10.70 ug/ml



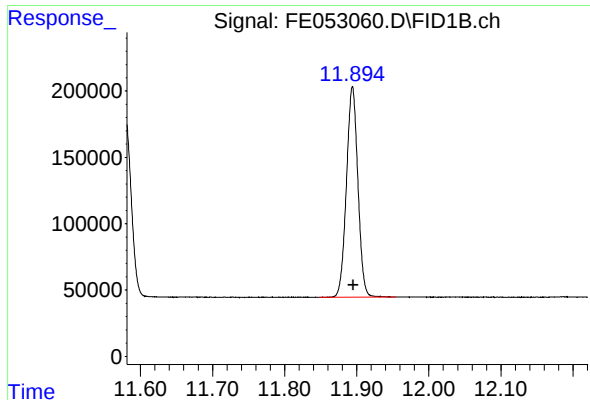
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: -0.001 min
Response: 1659167
Conc: 10.67 ug/ml



#8 n-Octadecane (C18)

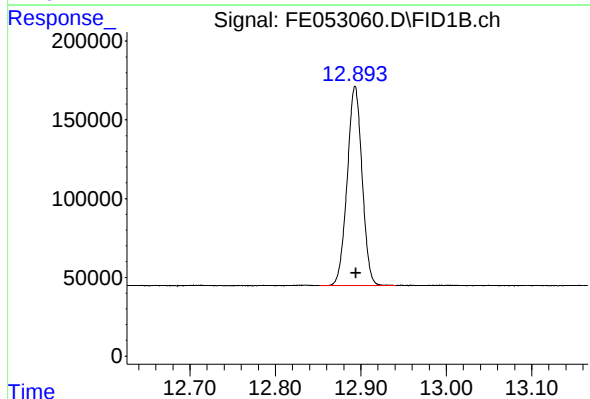
R.T.: 11.579 min
Delta R.T.: -0.001 min
Response: 1633136
Conc: 10.66 ug/ml



#9 ortho-Terphenyl (SURR)

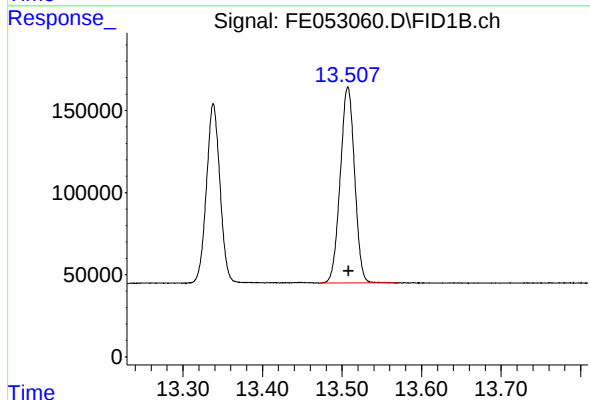
R.T.: 11.894 min
Delta R.T.: -0.001 min
Response: 1754070
Conc: 10.69 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



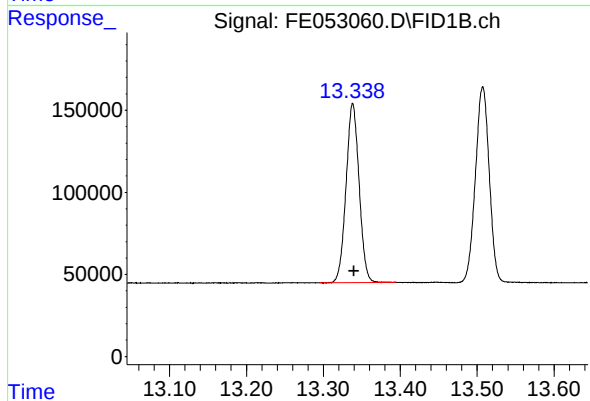
#10 n-Eicosane (C20)

R.T.: 12.893 min
Delta R.T.: 0.000 min
Response: 1532254
Conc: 10.65 ug/ml



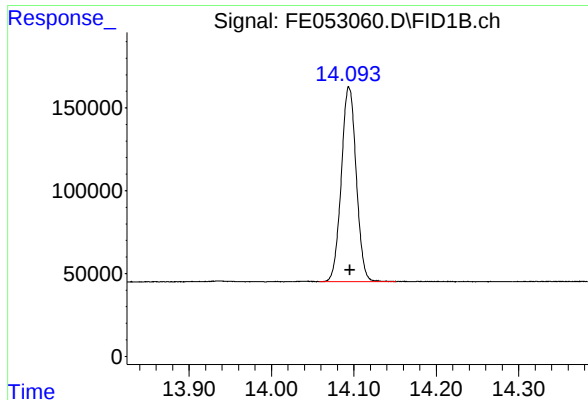
#11 n-Heneicosane (C21)

R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 1494607
Conc: 10.69 ug/ml



#12 1-chlorooctadecane (SURR)

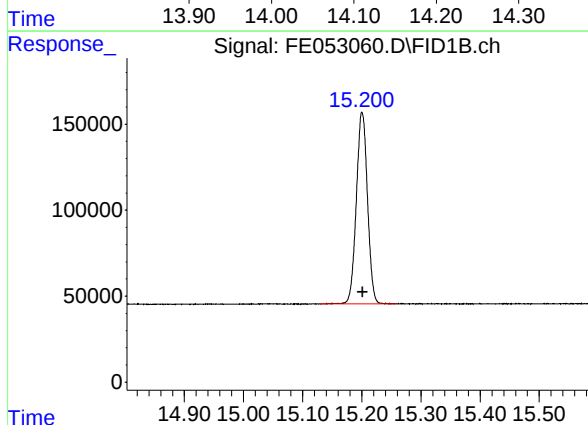
R.T.: 13.338 min
Delta R.T.: -0.001 min
Response: 1286263
Conc: 10.63 ug/ml



#13 n-Docosane (C22)

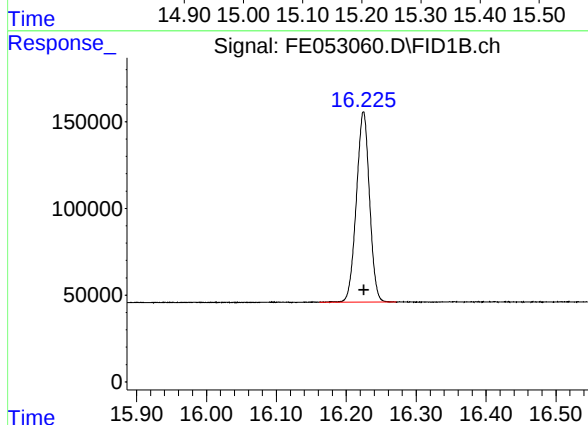
R.T.: 14.094 min
Delta R.T.: -0.001 min
Response: 1475376
Conc: 10.70 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



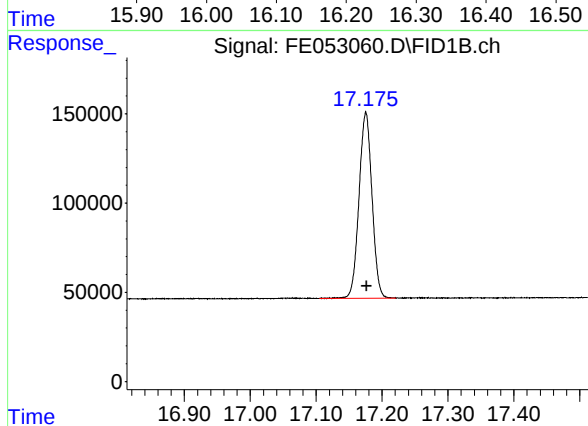
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 1459470
Conc: 10.76 ug/ml



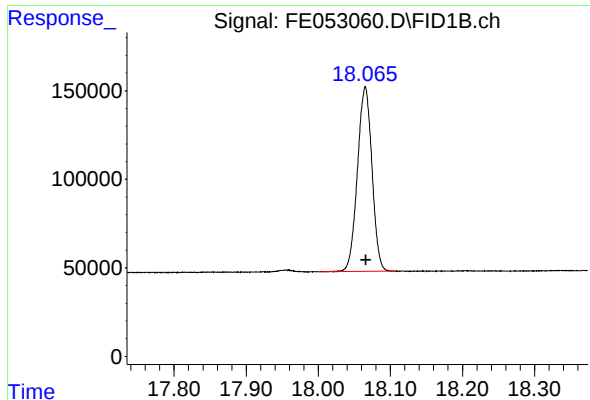
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 1436028
Conc: 10.71 ug/ml



#16 n-Octacosane (C28)

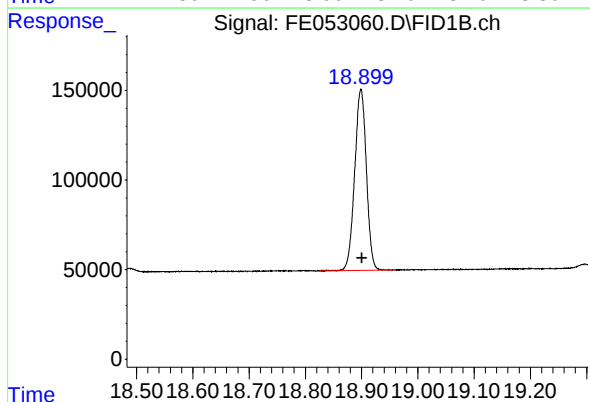
R.T.: 17.175 min
Delta R.T.: -0.001 min
Response: 1426366
Conc: 10.79 ug/ml



#17 n-Tricontane (C30)

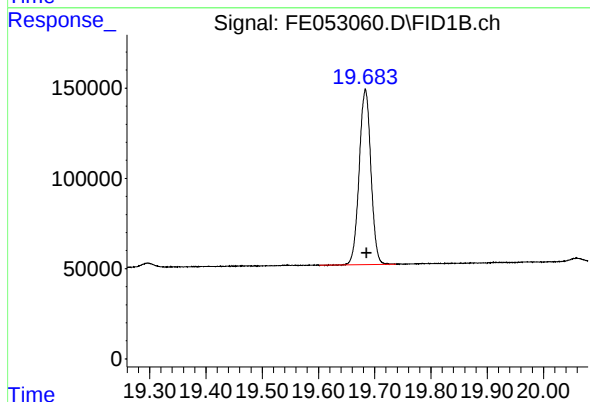
R.T.: 18.065 min
Delta R.T.: -0.001 min
Response: 1462648
Conc: 10.79 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



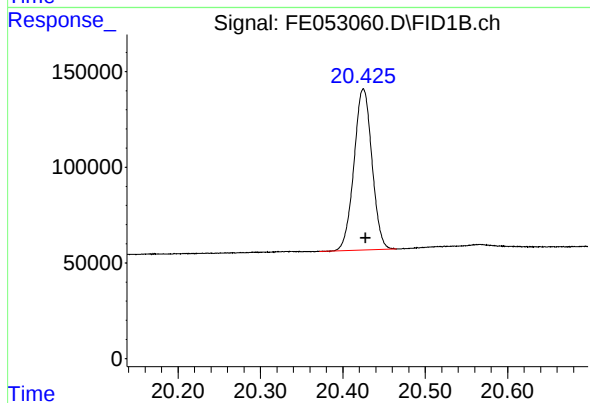
#18 n-Dotriacontane (C32)

R.T.: 18.899 min
Delta R.T.: -0.002 min
Response: 1459482
Conc: 10.87 ug/ml



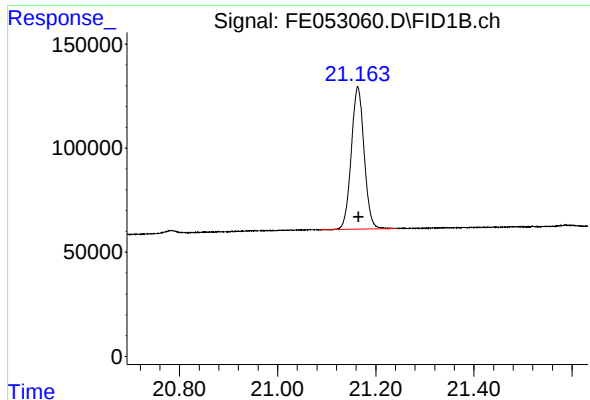
#19 n-Tetratriacontane (C34)

R.T.: 19.683 min
Delta R.T.: -0.003 min
Response: 1399687
Conc: 10.84 ug/ml



#20 n-Hexatriacontane (C36)

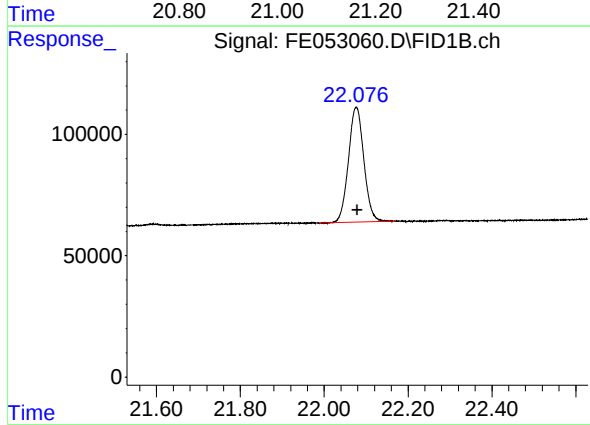
R.T.: 20.425 min
Delta R.T.: -0.003 min
Response: 1274690
Conc: 10.81 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.163 min
Delta R.T.: -0.002 min
Response: 1238066
Conc: 10.76 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.076 min
Delta R.T.: -0.002 min
Response: 1209126
Conc: 10.64 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053060.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:09
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.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	3.242	3.211	3.304	BB	165985	1669873	92.41%	4.997%
2	4.502	4.464	4.574	BB	165117	1694240	93.76%	5.070%
3	6.214	6.184	6.311	BB	173154	1806985	100.00%	5.407%
4	6.681	6.644	6.748	BB	164386	1686577	93.34%	5.047%
5	7.316	7.274	7.414	BB	160183	1711131	94.70%	5.120%
6	8.517	8.481	8.588	BB	151398	1648070	91.21%	4.932%
7	10.131	10.094	10.194	BB	147920	1659167	91.82%	4.965%
8	11.579	11.541	11.641	BB	137435	1633136	90.38%	4.887%
9	11.894	11.848	11.954	BB	158742	1754070	97.07%	5.249%
10	12.893	12.851	12.941	BB	126209	1532254	84.80%	4.585%
11	13.338	13.294	13.394	BB	109079	1286263	71.18%	3.849%
12	13.507	13.471	13.568	BB	119250	1494607	82.71%	4.473%
13	14.094	14.058	14.151	BB	117423	1475376	81.65%	4.415%
14	15.201	15.128	15.258	BB	111247	1459470	80.77%	4.367%
15	16.225	16.161	16.271	BB	110050	1436028	79.47%	4.297%
16	17.175	17.104	17.221	BB	103728	1426366	78.94%	4.268%
17	18.065	18.001	18.108	BB	103698	1462648	80.94%	4.377%
18	18.899	18.824	18.961	BB	100803	1459482	80.77%	4.367%
19	19.683	19.601	19.738	BB	97114	1399687	77.46%	4.189%
20	20.425	20.371	20.464	BV	84158	1274690	70.54%	3.814%
21	21.163	21.084	21.241	BB	68275	1238066	68.52%	3.705%
22	22.076	21.988	22.171	BB	47375	1209126	66.91%	3.618%
Sum of corrected areas:							33417311	

Aliphatic EPH 032925.M Mon Mar 31 02:55:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053061.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2025 01:39
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Mar 31 02:34:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:32:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.893	844490	5.147 ug/ml
Spiked Amount 50.000		Recovery =	10.29%
12) S 1-chlorooctadecane (S...	13.338	616281	5.092 ug/ml
Spiked Amount 50.000		Recovery =	10.18%
Target Compounds			
1) T n-Nonane (C9)	3.241	794168	5.104 ug/ml
2) T n-Decane (C10)	4.502	801078	5.077 ug/ml
3) T A~Naphthalene (C11.7)	6.214	844127	4.974 ug/ml
4) T n-Dodecane (C12)	6.681	799896	5.084 ug/ml
5) T A~2-methylnaphthalene...	7.316	794430	4.909 ug/ml
6) T n-Tetradecane (C14)	8.516	791912	5.143 ug/ml
7) T n-Hexadecane (C16)	10.130	796849	5.123 ug/ml
8) T n-Octadecane (C18)	11.578	786402	5.135 ug/ml
10) T n-Eicosane (C20)	12.892	743598	5.167 ug/ml
11) T n-Heneicosane (C21)	13.506	721765	5.163 ug/ml
13) T n-Docosane (C22)	14.094	712566	5.168 ug/ml
14) T n-Tetracosane (C24)	15.200	699097	5.154 ug/ml
15) T n-Hexacosane (C26)	16.224	694483	5.178 ug/ml
16) T n-Octacosane (C28)	17.175	690349	5.221 ug/ml
17) T n-Tricontane (C30)	18.064	715799	5.282 ug/ml
18) T n-Dotriacontane (C32)	18.898	714056	5.319 ug/ml
19) T n-Tetratriacontane (C34)	19.684	684498	5.301 ug/ml
20) T n-Hexatriacontane (C36)	20.425	622561	5.279 ug/ml
21) T n-Octatriacontane (C38)	21.164	600593	5.218 ug/ml
22) T n-Tetracontane (C40)	22.078	581004	5.113 ug/ml

(f)=RT Delta > 1/2 Window

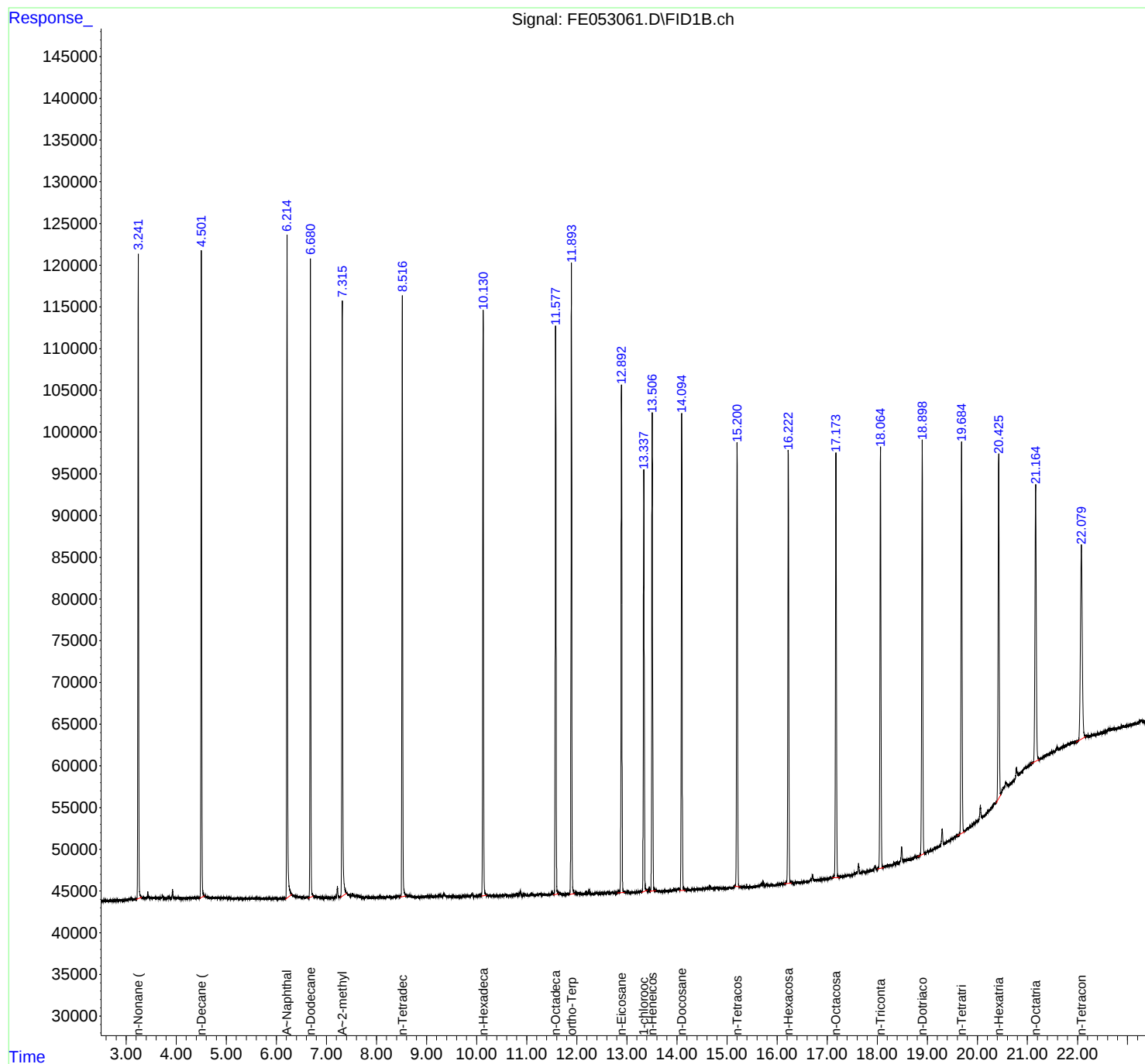
(m)=manual int.

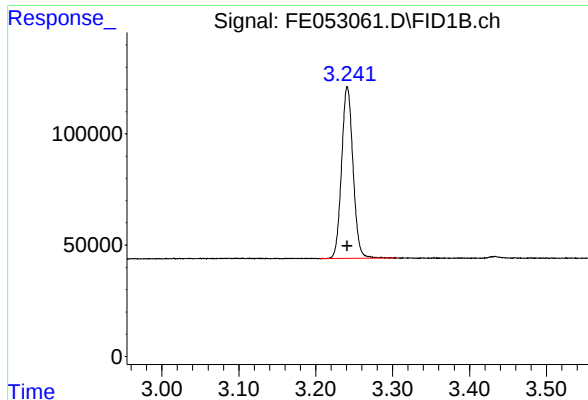
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053061.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:39
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 31 02:34:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

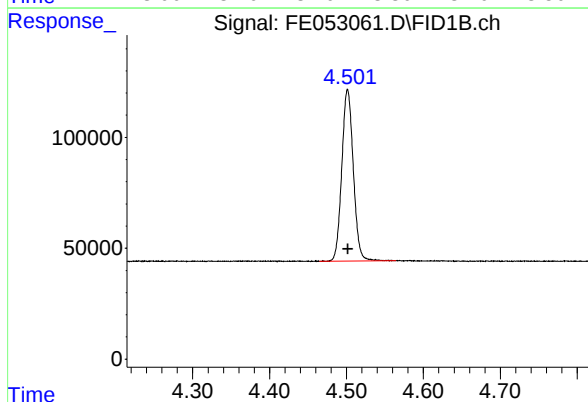




#1 n-Nonane (C9)

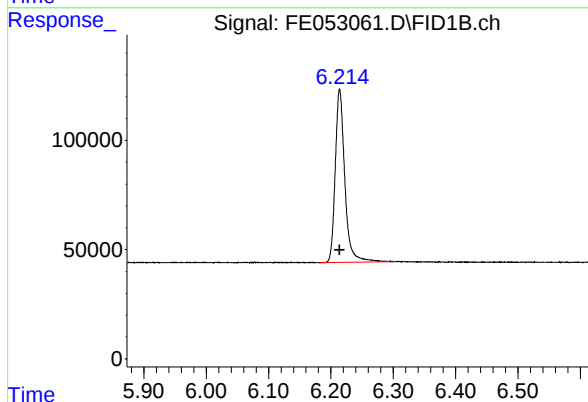
R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 794168
Conc: 5.10 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



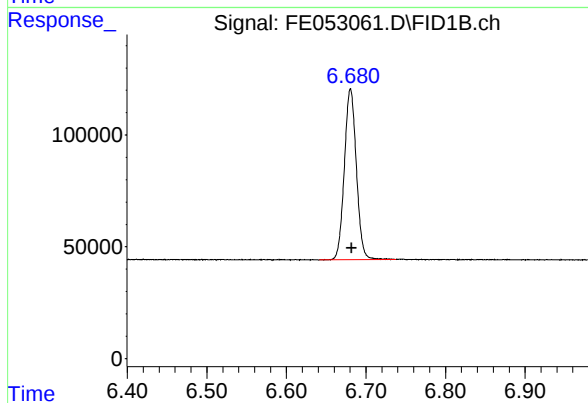
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 801078
Conc: 5.08 ug/ml



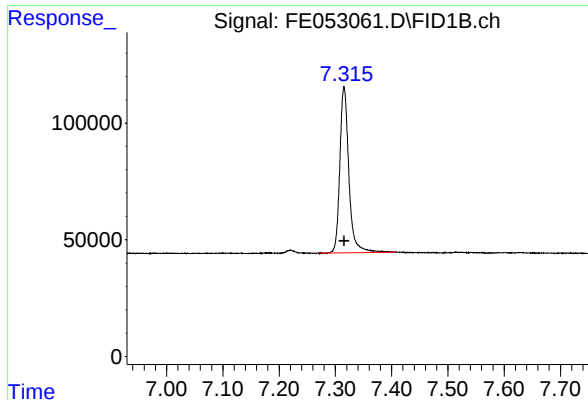
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 844127
Conc: 4.97 ug/ml



#4 n-Dodecane (C12)

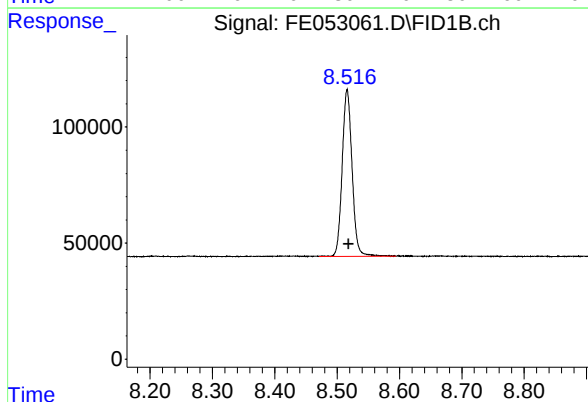
R.T.: 6.681 min
Delta R.T.: -0.001 min
Response: 799896
Conc: 5.08 ug/ml



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

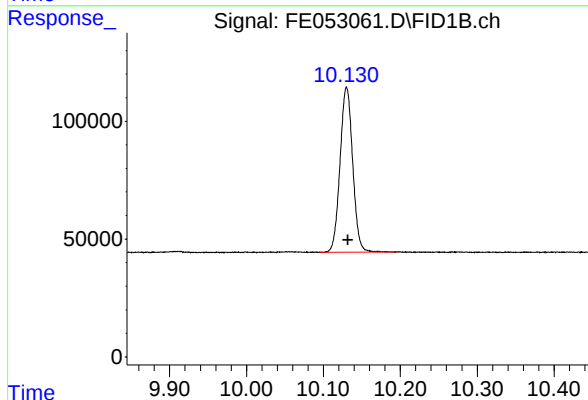
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 794430
Conc: 4.91 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



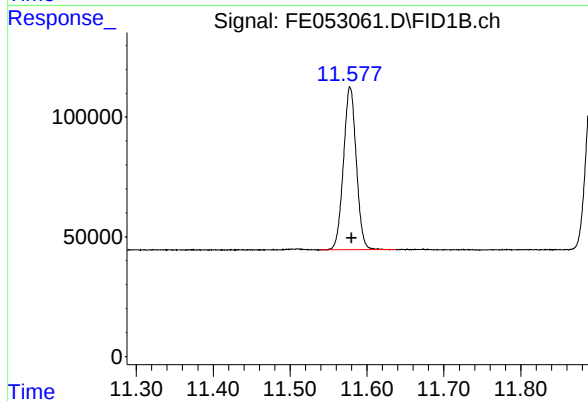
#6 n-Tetradecane (C14)

R.T.: 8.516 min
Delta R.T.: -0.002 min
Response: 791912
Conc: 5.14 ug/ml



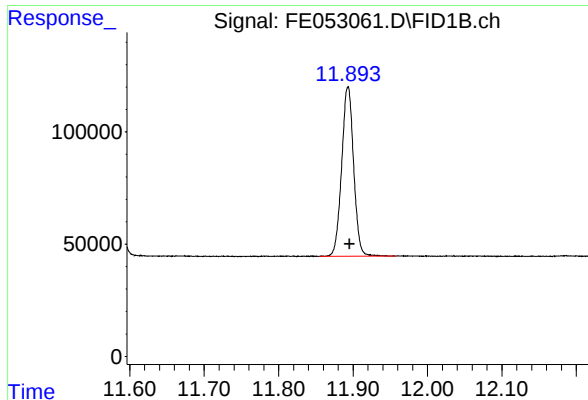
#7 n-Hexadecane (C16)

R.T.: 10.130 min
Delta R.T.: -0.002 min
Response: 796849
Conc: 5.12 ug/ml



#8 n-Octadecane (C18)

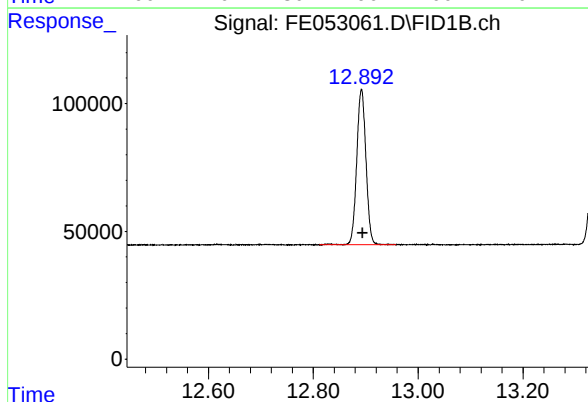
R.T.: 11.578 min
Delta R.T.: -0.002 min
Response: 786402
Conc: 5.14 ug/ml



#9 ortho-Terphenyl (SURR)

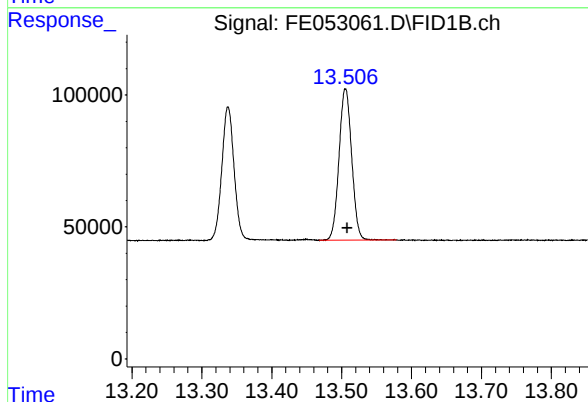
R.T.: 11.893 min
Delta R.T.: -0.002 min
Response: 844490
Conc: 5.15 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



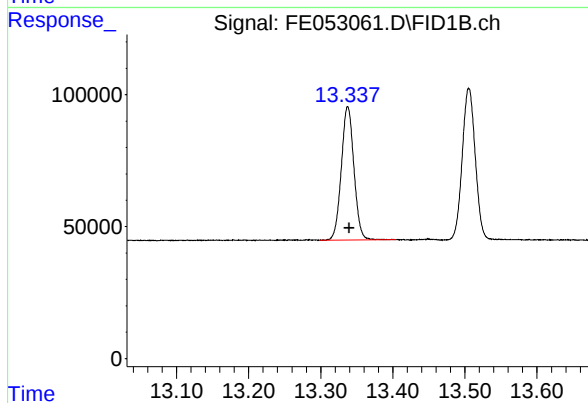
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.002 min
Response: 743598
Conc: 5.17 ug/ml



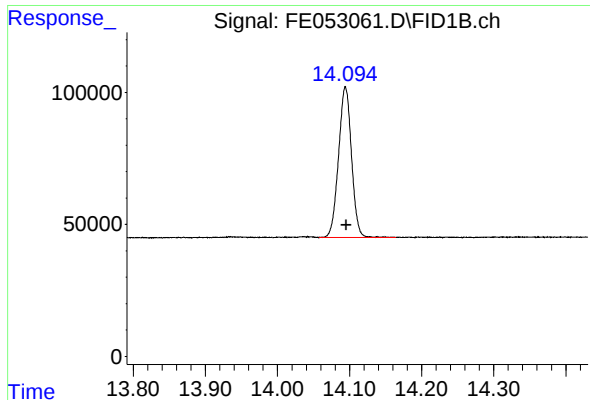
#11 n-Heneicosane (C21)

R.T.: 13.506 min
Delta R.T.: -0.003 min
Response: 721765
Conc: 5.16 ug/ml



#12 1-chlorooctadecane (SURR)

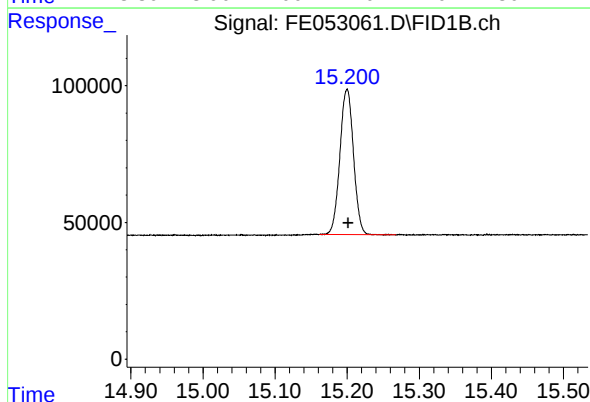
R.T.: 13.338 min
Delta R.T.: -0.002 min
Response: 616281
Conc: 5.09 ug/ml



#13 n-Docosane (C22)

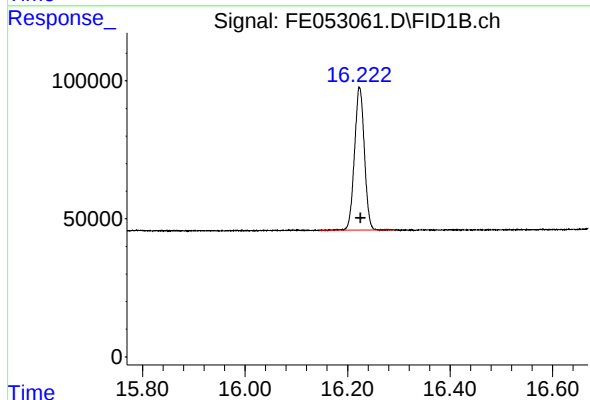
R.T.: 14.094 min
Delta R.T.: -0.001 min
Response: 712566
Conc: 5.17 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



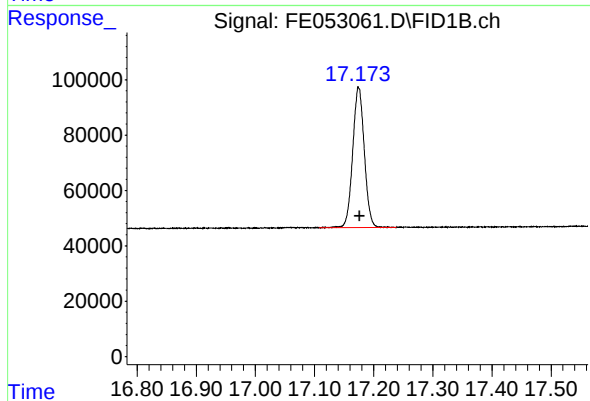
#14 n-Tetracosane (C24)

R.T.: 15.200 min
Delta R.T.: -0.002 min
Response: 699097
Conc: 5.15 ug/ml



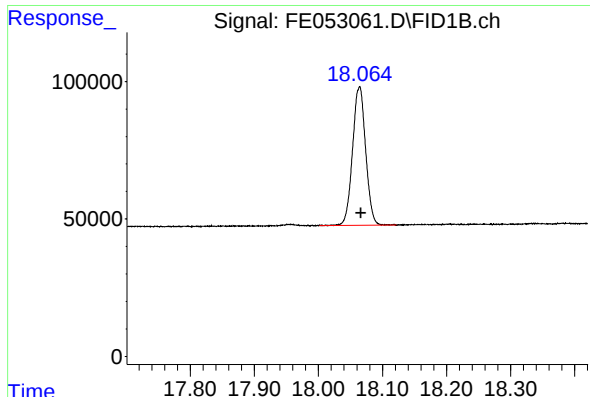
#15 n-Hexacosane (C26)

R.T.: 16.224 min
Delta R.T.: -0.002 min
Response: 694483
Conc: 5.18 ug/ml



#16 n-Octacosane (C28)

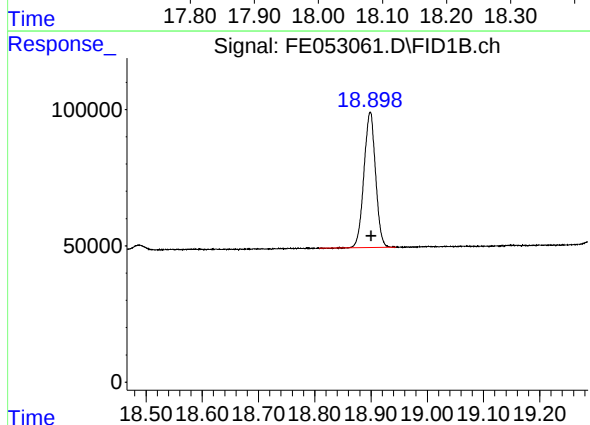
R.T.: 17.175 min
Delta R.T.: -0.002 min
Response: 690349
Conc: 5.22 ug/ml



#17 n-Tricontane (C30)

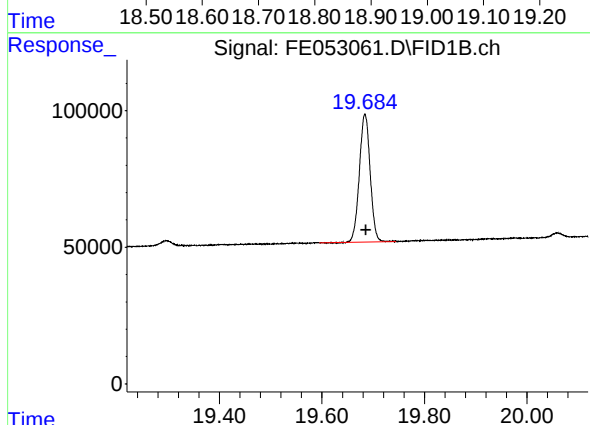
R.T.: 18.064 min
Delta R.T.: -0.003 min
Response: 715799
Conc: 5.28 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



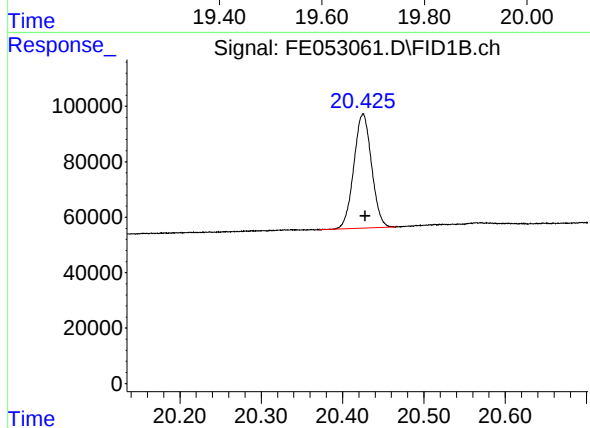
#18 n-Dotriacontane (C32)

R.T.: 18.898 min
Delta R.T.: -0.002 min
Response: 714056
Conc: 5.32 ug/ml



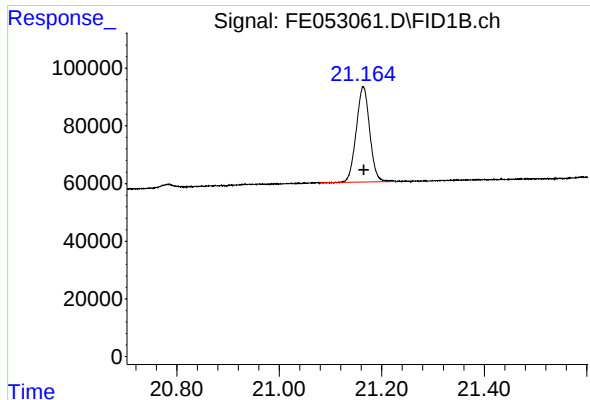
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.002 min
Response: 684498
Conc: 5.30 ug/ml



#20 n-Hexatriacontane (C36)

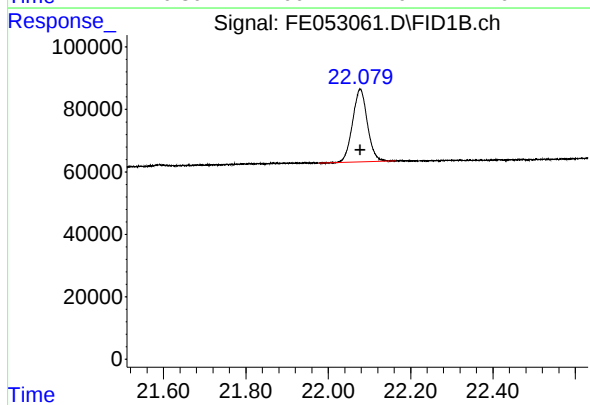
R.T.: 20.425 min
Delta R.T.: -0.003 min
Response: 622561
Conc: 5.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.164 min
Delta R.T.: -0.001 min
Response: 600593
Conc: 5.22 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.078 min
Delta R.T.: 0.000 min
Response: 581004
Conc: 5.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053061.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:39
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.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	3.241	3.204	3.304	BB	77074	794168	94.04%	4.948%
2	4.502	4.464	4.564	BB	77264	801078	94.86%	4.991%
3	6.214	6.181	6.304	BB	78955	844127	99.96%	5.259%
4	6.681	6.641	6.738	BB	76341	799896	94.72%	4.984%
5	7.316	7.271	7.408	BB	71052	794430	94.07%	4.950%
6	8.516	8.471	8.594	BB	71071	791912	93.77%	4.934%
7	10.130	10.094	10.194	BB	70015	796849	94.36%	4.965%
8	11.578	11.538	11.638	BB	68076	786402	93.12%	4.900%
9	11.893	11.854	11.958	BB	75731	844490	100.00%	5.262%
10	12.892	12.811	12.958	BB	60616	743598	88.05%	4.633%
11	13.338	13.298	13.404	BB	50582	616281	72.98%	3.840%
12	13.506	13.468	13.578	BB	57477	721765	85.47%	4.497%
13	14.094	14.058	14.164	BB	56992	712566	84.38%	4.440%
14	15.200	15.161	15.268	BB	53478	699097	82.78%	4.356%
15	16.224	16.144	16.294	BB	51607	694483	82.24%	4.327%
16	17.175	17.108	17.238	BB	50763	690349	81.75%	4.301%
17	18.064	18.001	18.121	BB	50502	715799	84.76%	4.460%
18	18.898	18.808	18.944	BB	49727	714056	84.55%	4.449%
19	19.684	19.594	19.744	BB	46778	684498	81.05%	4.265%
20	20.425	20.371	20.466	BV	41044	622561	73.72%	3.879%
21	21.164	21.078	21.228	BB	33059	600593	71.12%	3.742%
22	22.078	21.978	22.164	BB	23258	581004	68.80%	3.620%
Sum of corrected areas:							16049999	

Aliphatic EPH 032925.M Mon Mar 31 02:55:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
 Data File : FE053062.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2025 02:10
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Mar 31 02:46:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.896	3305867	20.296 ug/ml
Spiked Amount 50.000		Recovery =	40.59%
12) S 1-chlorooctadecane (S...	13.340	2435431	20.288 ug/ml
Spiked Amount 50.000		Recovery =	40.58%
Target Compounds			
1) T n-Nonane (C9)	3.241	3144906	20.311 ug/ml
2) T n-Decane (C10)	4.502	3190145	20.338 ug/ml
3) T A~Naphthalene (C11.7)	6.214	3429813	20.417 ug/ml
4) T n-Dodecane (C12)	6.682	3188817	20.389 ug/ml
5) T A~2-methylnaphthalene...	7.316	3264250	20.458 ug/ml
6) T n-Tetradecane (C14)	8.518	3114031	20.338 ug/ml
7) T n-Hexadecane (C16)	10.132	3136071	20.345 ug/ml
8) T n-Octadecane (C18)	11.580	3082468	20.324 ug/ml
10) T n-Eicosane (C20)	12.894	2891595	20.281 ug/ml
11) T n-Heneicosane (C21)	13.508	2818447	20.310 ug/ml
13) T n-Docosane (C22)	14.095	2782053	20.314 ug/ml
14) T n-Tetracosane (C24)	15.201	2739887	20.287 ug/ml
15) T n-Hexacosane (C26)	16.225	2707291	20.293 ug/ml
16) T n-Octacosane (C28)	17.177	2675667	20.275 ug/ml
17) T n-Tricontane (C30)	18.066	2741072	20.223 ug/ml
18) T n-Dotriacontane (C32)	18.900	2708370	20.127 ug/ml
19) T n-Tetratriacontane (C34)	19.684	2604010	20.124 ug/ml
20) T n-Hexatriacontane (C36)	20.427	2402460	20.224 ug/ml
21) T n-Octatriacontane (C38)	21.166	2315805	20.149 ug/ml
22) T n-Tetracontane (C40)	22.081	2245217	19.991 ug/ml

(f)=RT Delta > 1/2 Window

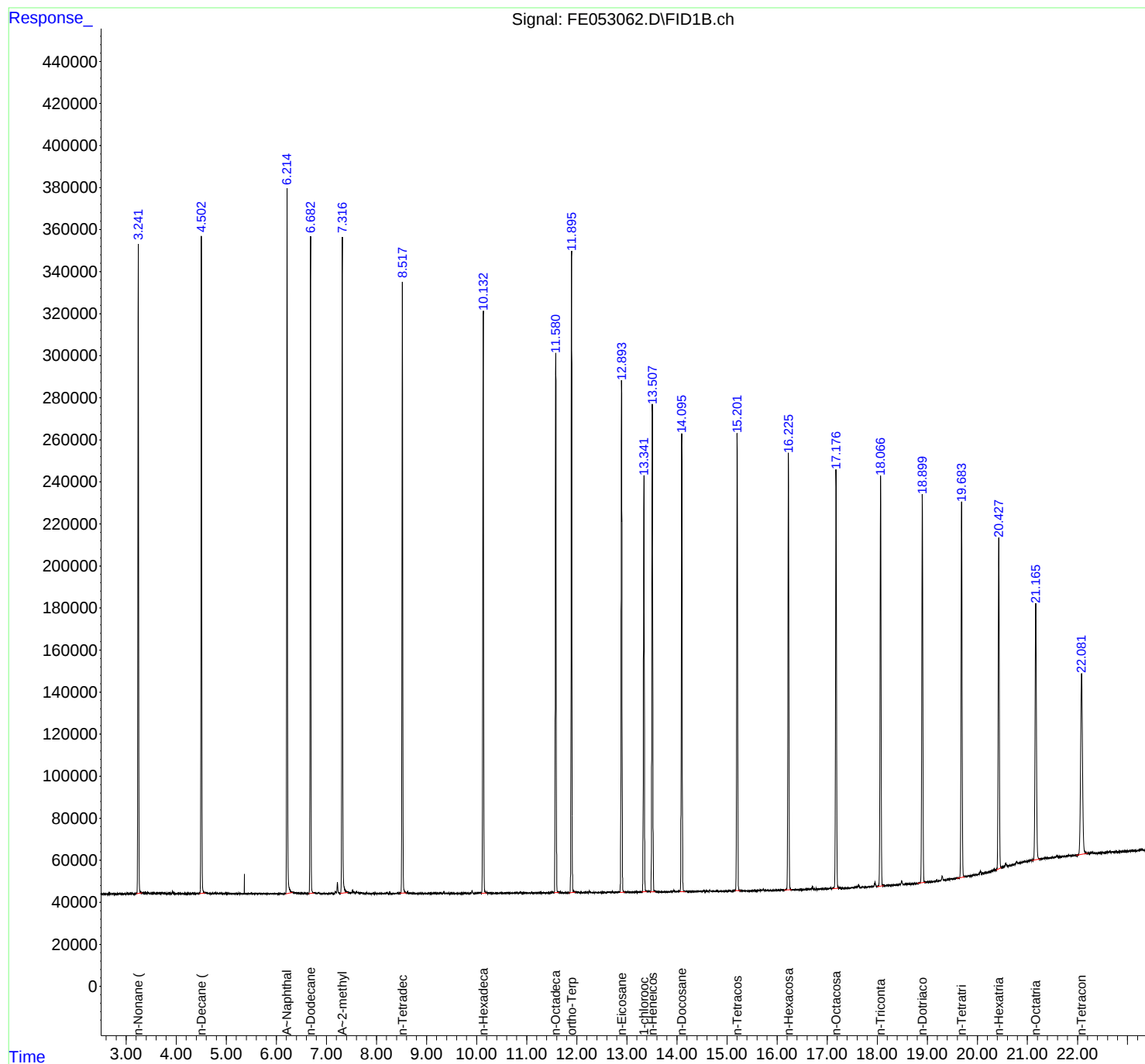
(m)=manual int.

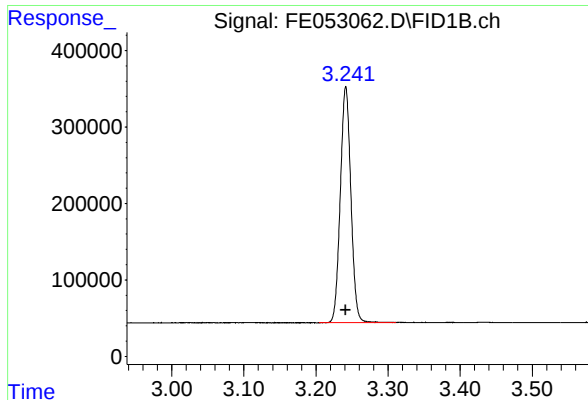
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053062.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 02:10
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 31 02:46:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)

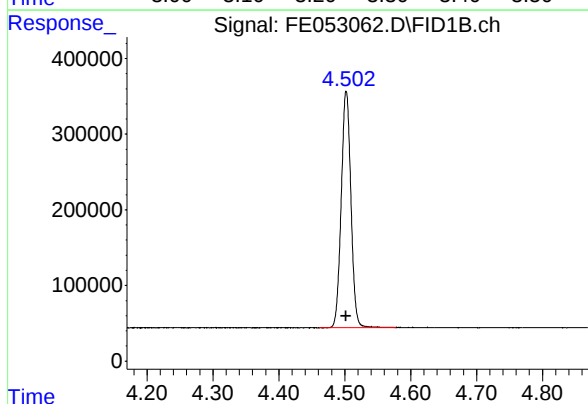
R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 3144906
Conc: 20.31 ug/ml

Instrument :

FID_E

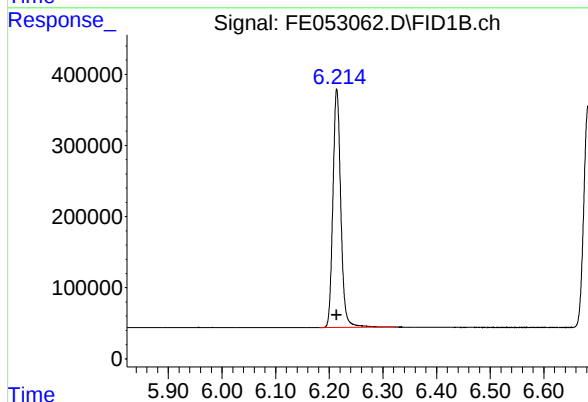
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



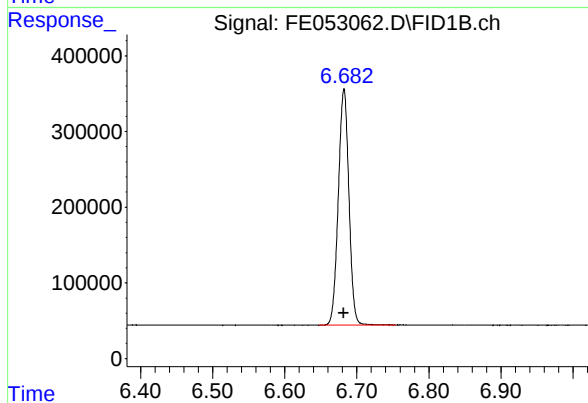
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 3190145
Conc: 20.34 ug/ml



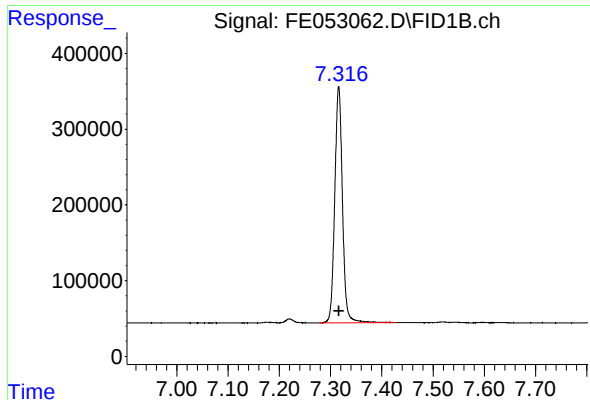
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 3429813
Conc: 20.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 3188817
Conc: 20.39 ug/ml



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

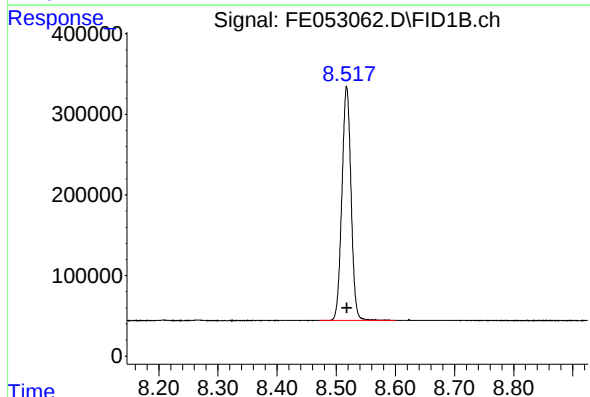
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 3264250
Conc: 20.46 ug/ml

Instrument :

FID_E

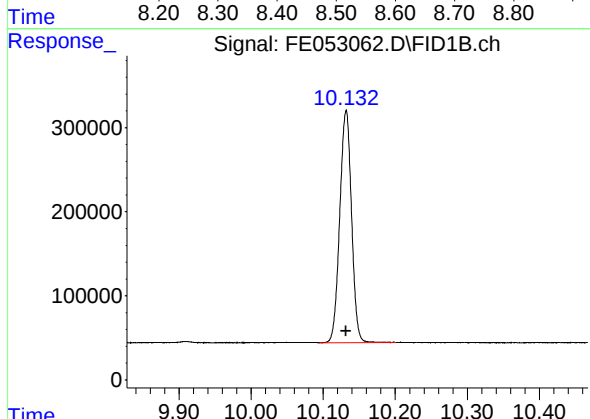
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



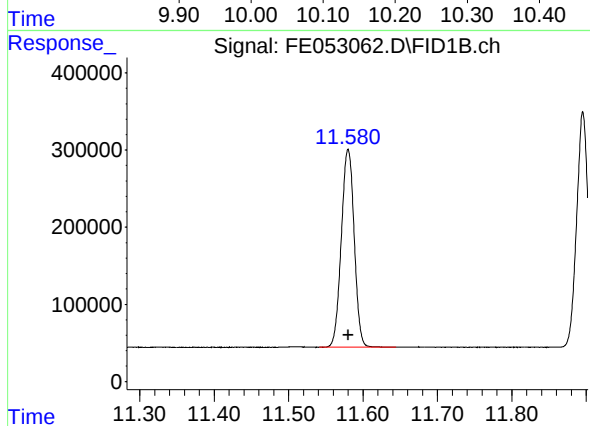
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: 0.000 min
Response: 3114031
Conc: 20.34 ug/ml



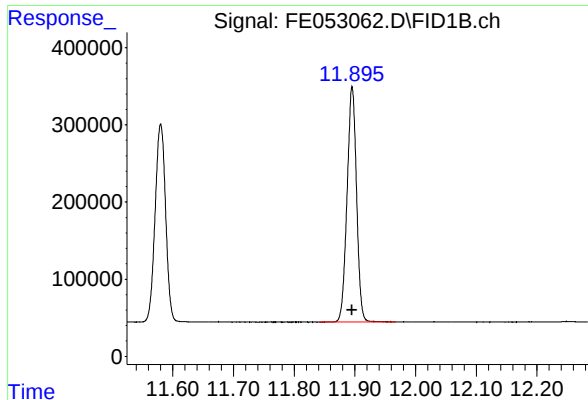
#7 n-Hexadecane (C16)

R.T.: 10.132 min
Delta R.T.: 0.000 min
Response: 3136071
Conc: 20.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 3082468
Conc: 20.32 ug/ml



#9 ortho-Terphenyl (SURR)

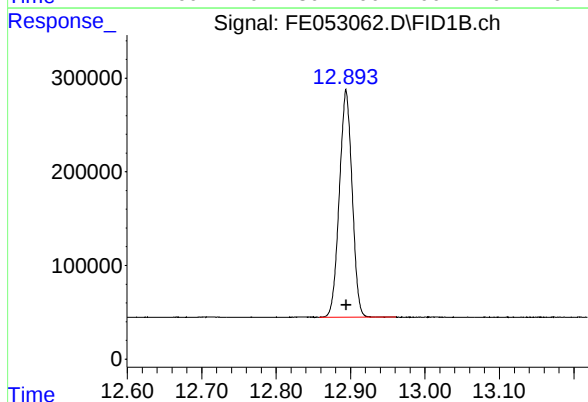
R.T.: 11.896 min
Delta R.T.: 0.000 min
Response: 3305867
Conc: 20.30 ug/ml

Instrument :

FID_E

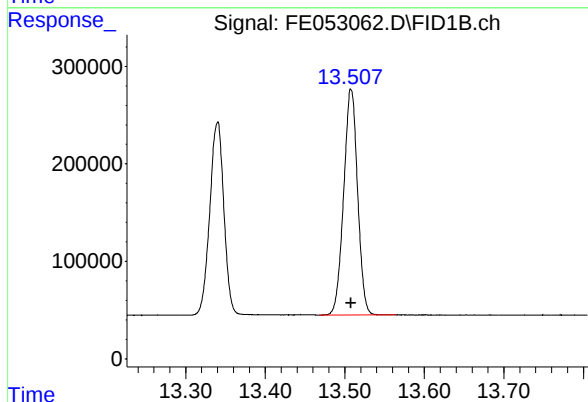
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



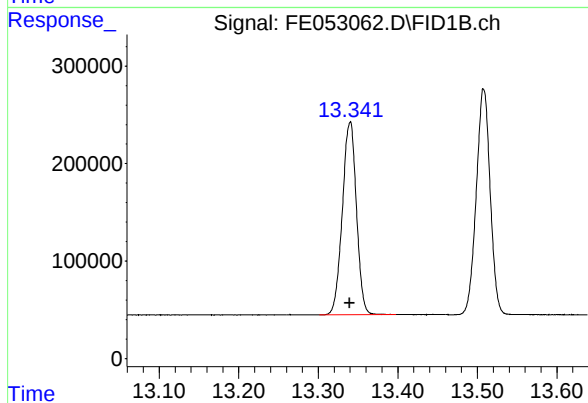
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 2891595
Conc: 20.28 ug/ml



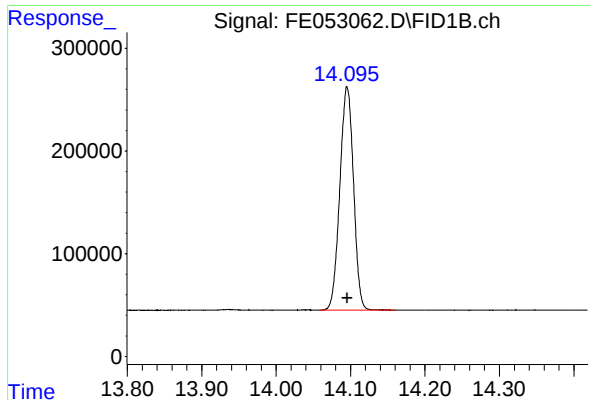
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2818447
Conc: 20.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2435431
Conc: 20.29 ug/ml



#13 n-Docosane (C22)

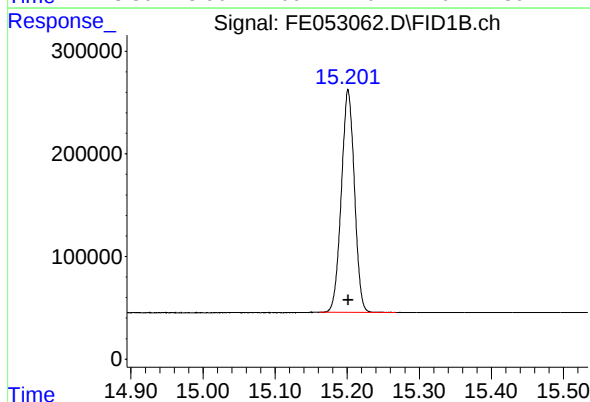
R.T.: 14.095 min
Delta R.T.: 0.000 min
Response: 2782053
Conc: 20.31 ug/ml

Instrument :

FID_E

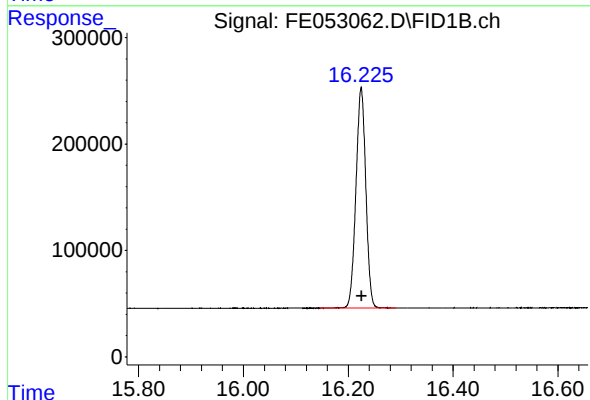
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



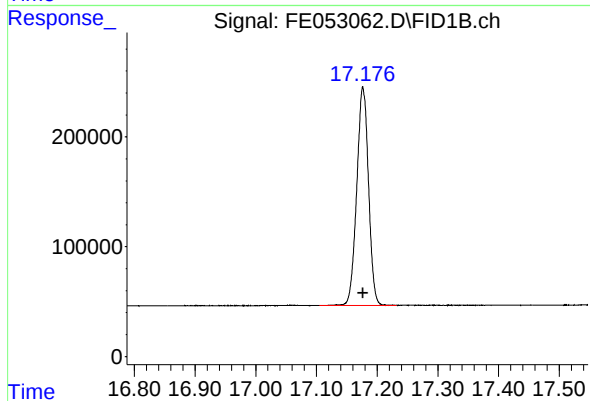
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2739887
Conc: 20.29 ug/ml



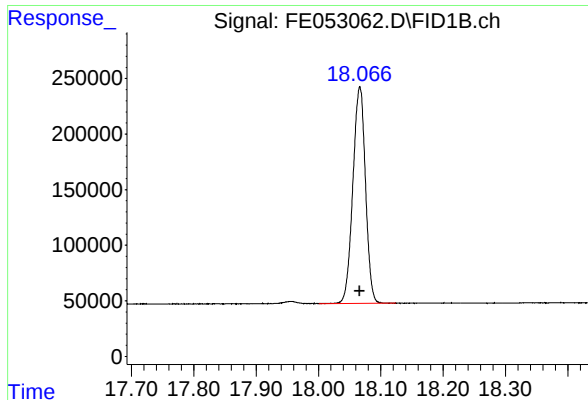
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 2707291
Conc: 20.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.177 min
Delta R.T.: 0.000 min
Response: 2675667
Conc: 20.28 ug/ml



#17 n-Tricontane (C30)

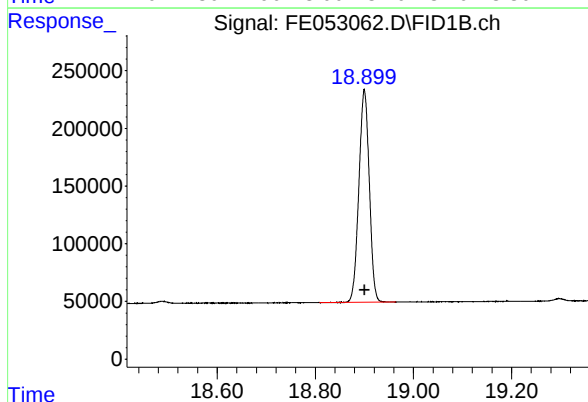
R.T.: 18.066 min
Delta R.T.: 0.000 min
Response: 2741072
Conc: 20.22 ug/ml

Instrument :

FID_E

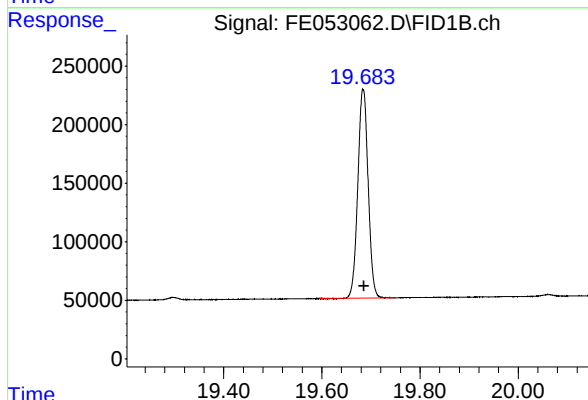
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



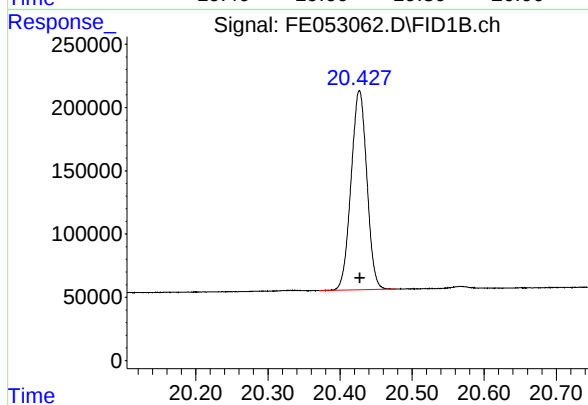
#18 n-Dotriacontane (C32)

R.T.: 18.900 min
Delta R.T.: 0.000 min
Response: 2708370
Conc: 20.13 ug/ml



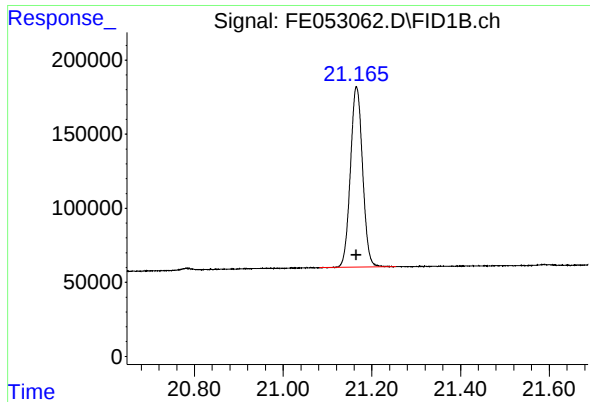
#19 n-Tetatriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.002 min
Response: 2604010
Conc: 20.12 ug/ml



#20 n-Hexatriacontane (C36)

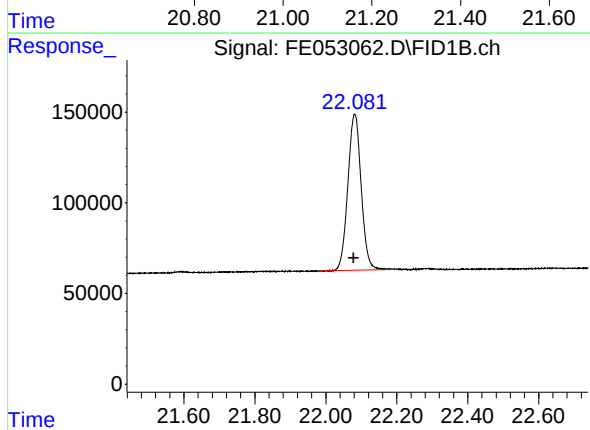
R.T.: 20.427 min
Delta R.T.: 0.000 min
Response: 2402460
Conc: 20.22 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: 0.000 min
Response: 2315805
Conc: 20.15 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.081 min
Delta R.T.: 0.003 min
Response: 2245217
Conc: 19.99 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053062.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 02:10
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.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	3.241	3.204	3.311	BB	308166	3144906	91.69%	4.998%
2	4.502	4.461	4.578	BB	312751	3190145	93.01%	5.070%
3	6.214	6.181	6.324	BB	335004	3429813	100.00%	5.451%
4	6.682	6.648	6.754	BB	309371	3188817	92.97%	5.068%
5	7.316	7.278	7.428	BB	310620	3264250	95.17%	5.188%
6	8.518	8.471	8.601	BB	290417	3114031	90.79%	4.949%
7	10.132	10.094	10.201	BB	275477	3136071	91.44%	4.984%
8	11.580	11.541	11.644	BB	256082	3082468	89.87%	4.899%
9	11.896	11.841	11.968	BB	304695	3305867	96.39%	5.254%
10	12.894	12.858	12.961	BB	241705	2891595	84.31%	4.595%
11	13.340	13.301	13.398	BB	200047	2435431	71.01%	3.870%
12	13.508	13.468	13.564	BB	232624	2818447	82.17%	4.479%
13	14.095	14.058	14.161	BB	217474	2782053	81.11%	4.421%
14	15.201	15.161	15.268	BB	216839	2739887	79.88%	4.354%
15	16.225	16.144	16.291	BB	207142	2707291	78.93%	4.302%
16	17.177	17.104	17.231	BB	196888	2675667	78.01%	4.252%
17	18.066	18.001	18.124	BB	195874	2741072	79.92%	4.356%
18	18.900	18.808	18.964	BB	183551	2708370	78.97%	4.304%
19	19.684	19.594	19.751	BB	178652	2604010	75.92%	4.138%
20	20.427	20.371	20.478	BB	157661	2402460	70.05%	3.818%
21	21.166	21.081	21.254	BB	122006	2315805	67.52%	3.680%
22	22.081	21.981	22.198	BB	86097	2245217	65.46%	3.568%
Sum of corrected areas:							62923673	

Aliphatic EPH 032925.M Mon Mar 31 02:56:04 2025