

Initial Calibration Report for SequenceID : FE101725AL

AreaCount

Parameter Range	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.D	
Aliphatic C9-C12	51362304.000	24484485.000	9331252.000	4992223.000	2535328.000	
Aliphatic C12-C16	35984562.000	17024793.000	6419212.000	3420807.000	1710363.000	
Aliphatic C16-C21	54557902.000	26111407.000	10017652.000	5459302.000	2824749.000	
Aliphatic C21-C28	69668452.000	33858844.000	12770130.000	7257411.000	4218376.000	
Aliphatic C28-C40	72014023.000	39678481.000	14821782.000	8648098.000	5222376.000	
Aliphatic EPH	283587243.000	141158010.000	53360028.000	29777841.000	16511192.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	165077.549333	3.705				
Aliphatic C12-C16	170545.538	4.039				
Aliphatic C16-C21	178637.9839996	4.619				
Aliphatic C21-C28	179089.21	10.876				
Aliphatic C28-C40	138802.798333	15.71				
Aliphatic EPH	162300.6281108	8.197				

Concentration

Parameter Range	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.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	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.D	
Aliphatic C9-C12	171207.680000	163229.900000	155520.866666	166407.433333	169021.866666	
Aliphatic C12-C16	179922.810000	170247.930000	160480.300000	171040.350000	171036.300000	
Aliphatic C16-C21	181859.673333	174076.046666	166960.866666	181976.733333	188316.600000	

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Aliphatic C21-C28	174171.130000	169294.220000	159626.625000	181435.275000	210918.800000	
Aliphatic C28-C40	120023.371666	132261.603333	123514.850000	144134.966666	174079.200000	
Aliphatic EPH	157548.468333	156842.233333	148222.300000	165432.450000	183457.688888	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056351.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 17:30
 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: Oct 17 08:22:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 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)	12.064	20852864	108.984 ug/ml
Spiked Amount 50.000		Recovery =	217.97%
12) S 1-chlorooctadecane (S...	13.498	15819424	110.343 ug/ml
Spiked Amount 50.000		Recovery =	220.69%
Target Compounds			
1) T n-Nonane (C9)	3.403	16701525	108.675 ug/ml
2) T n-Decane (C10)	4.658	17110103	110.237 ug/ml
3) T A~Naphthalene (C11.7)	6.375	18882703	112.318 ug/ml
4) T n-Dodecane (C12)	6.832	17550676	111.314 ug/ml
5) T A~2-methylnaphthalene...	7.477	18456816	115.415 ug/ml
6) T n-Tetradecane (C14)	8.669	17622151	112.804 ug/ml
7) T n-Hexadecane (C16)	10.285	18362411	111.462 ug/ml
8) T n-Octadecane (C18)	11.736	18690483	109.385 ug/ml
10) T n-Eicosane (C20)	13.050	18055108	108.766 ug/ml
11) T n-Heneicosane (C21)	13.665	17812311	108.602 ug/ml
13) T n-Docosane (C22)	14.253	17739457	109.132 ug/ml
14) T n-Tetracosane (C24)	15.360	17696970	109.148 ug/ml
15) T n-Hexacosane (C26)	16.384	17350154	109.075 ug/ml
16) T n-Octacosane (C28)	17.336	16881871	109.090 ug/ml
17) T n-Tricontane (C30)	18.225	16886172	107.821 ug/ml
18) T n-Dotriacontane (C32)	19.060	15916843	106.136 ug/ml
19) T n-Tetratriacontane (C34)	19.844	13701503	101.361 ug/ml
20) T n-Hexatriacontane (C36)	20.583	10404717	90.355 ug/ml
21) T n-Octatriacontane (C38)	21.354	8143025	82.504 ug/ml
22) T n-Tetracontane (C40)	22.329	6961763	81.441 ug/ml

(f)=RT Delta > 1/2 Window

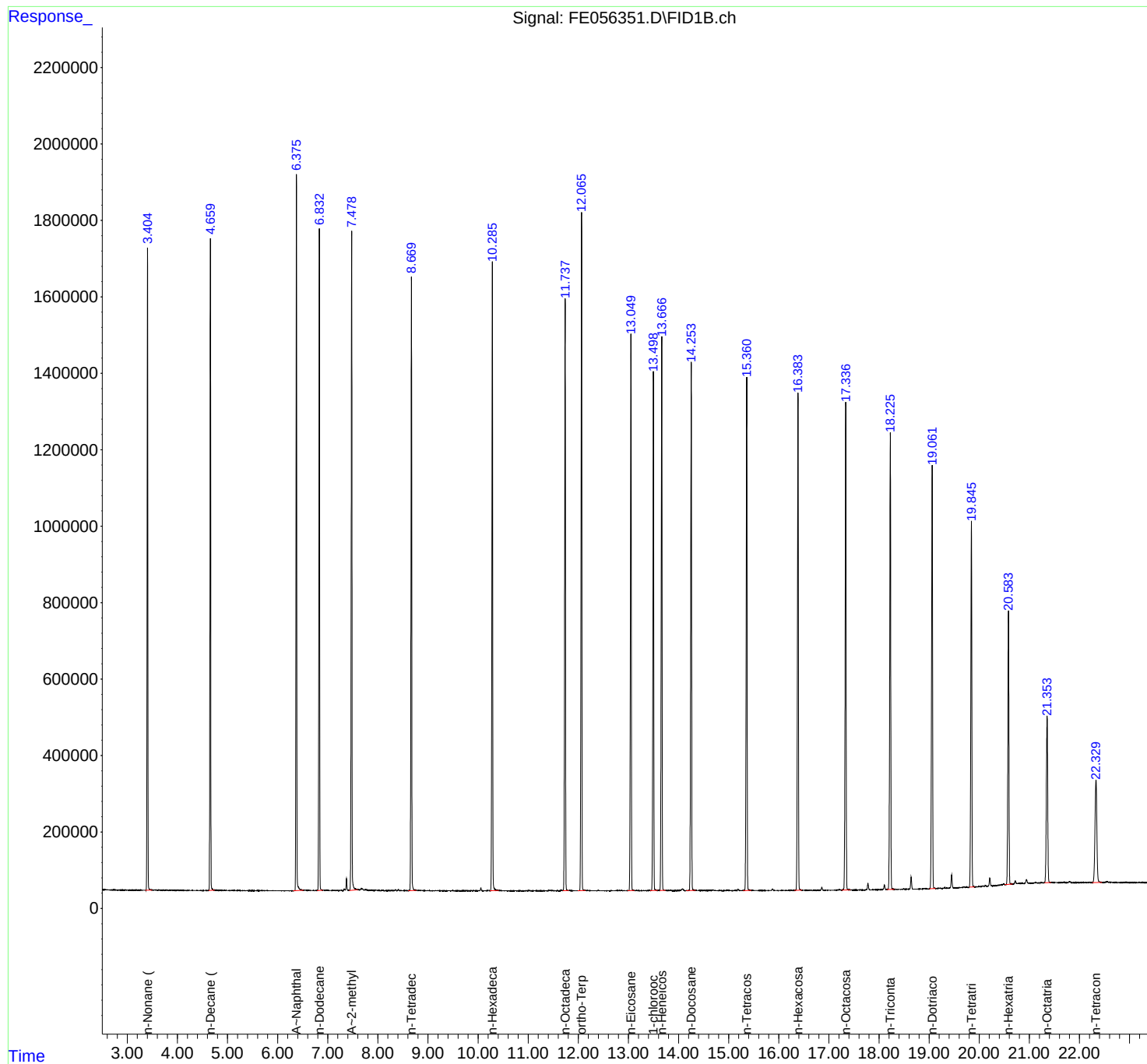
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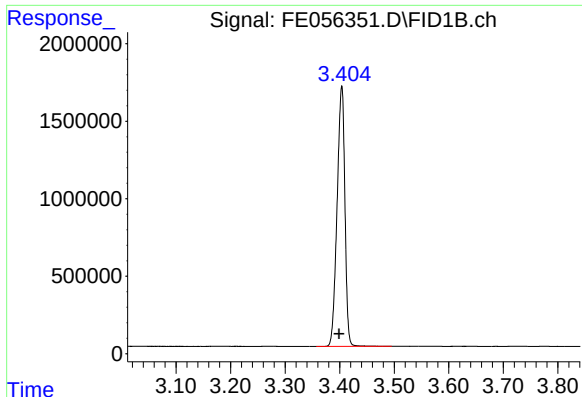
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Data File : FE056351.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 17:30
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 17 08:22:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 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)

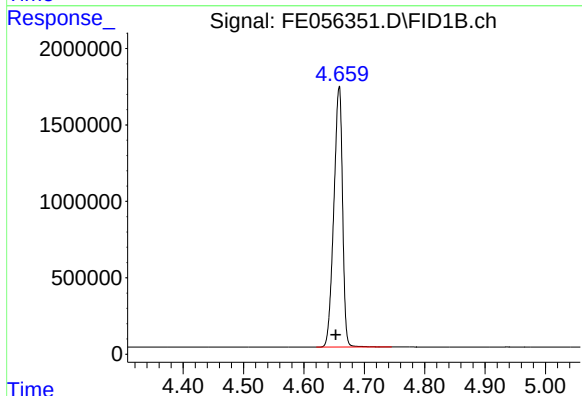
R.T.: 3.403 min
Delta R.T.: 0.004 min
Response: 16701525
Conc: 108.68 ug/ml

Instrument :

FID_E

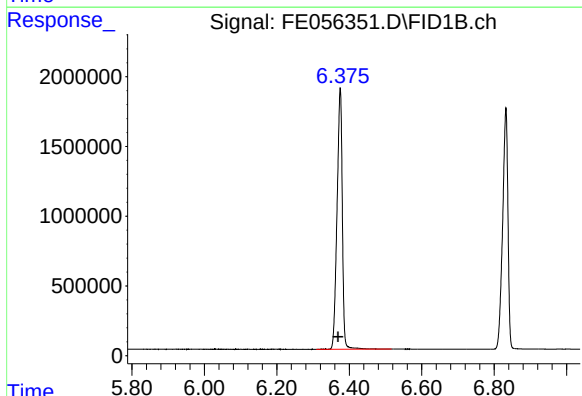
ClientSampleId :

100 PPM ALIPHATIC HC STD1



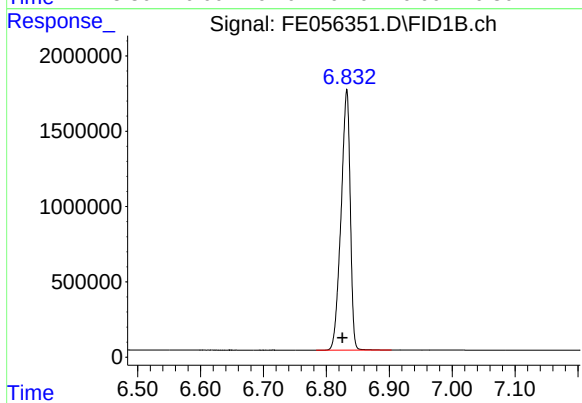
#2 n-Decane (C10)

R.T.: 4.658 min
Delta R.T.: 0.006 min
Response: 17110103
Conc: 110.24 ug/ml



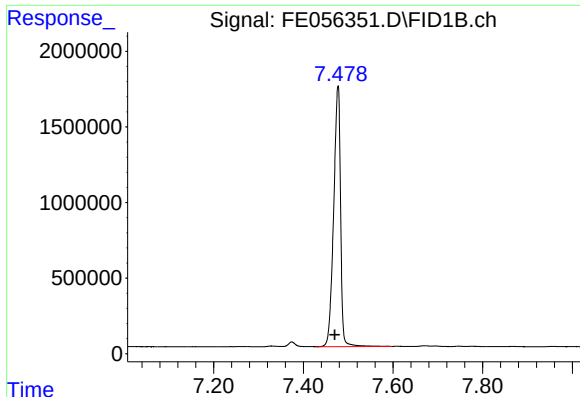
#3 A~Naphthalene (C11.7)

R.T.: 6.375 min
Delta R.T.: 0.006 min
Response: 18882703
Conc: 112.32 ug/ml



#4 n-Dodecane (C12)

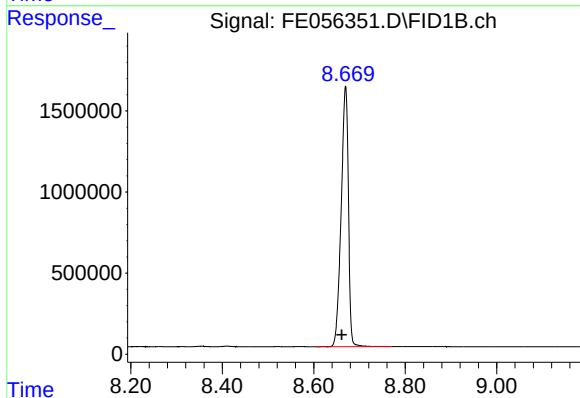
R.T.: 6.832 min
Delta R.T.: 0.007 min
Response: 17550676
Conc: 111.31 ug/ml



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

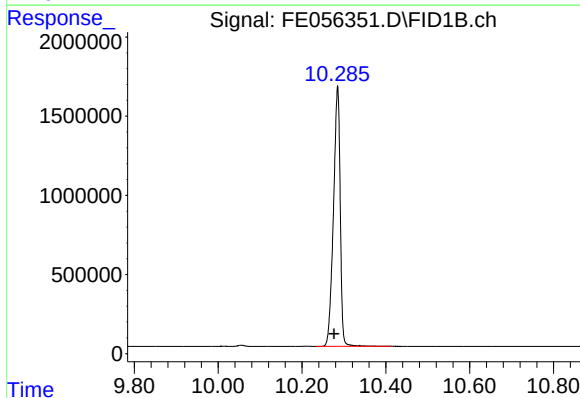
R.T.: 7.477 min
Delta R.T.: 0.007 min
Response: 18456816
Conc: 115.41 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



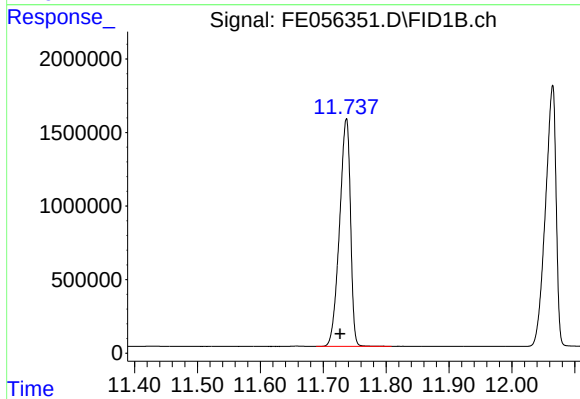
#6 n-Tetradecane (C14)

R.T.: 8.669 min
Delta R.T.: 0.008 min
Response: 17622151
Conc: 112.80 ug/ml



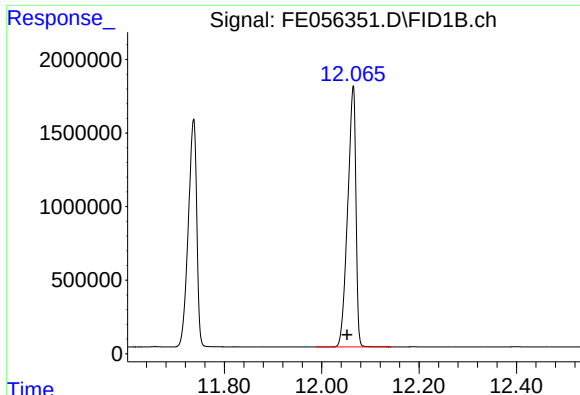
#7 n-Hexadecane (C16)

R.T.: 10.285 min
Delta R.T.: 0.008 min
Response: 18362411
Conc: 111.46 ug/ml



#8 n-Octadecane (C18)

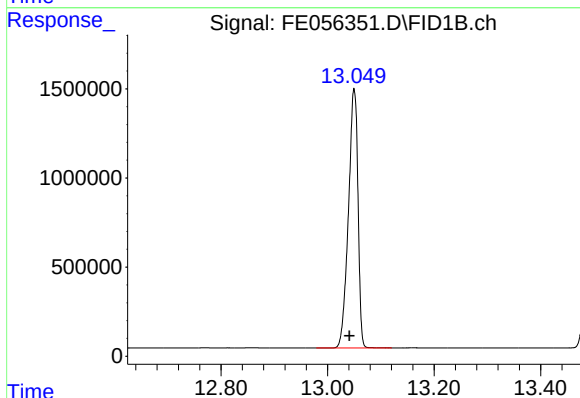
R.T.: 11.736 min
Delta R.T.: 0.010 min
Response: 18690483
Conc: 109.39 ug/ml



#9 ortho-Terphenyl (SURR)

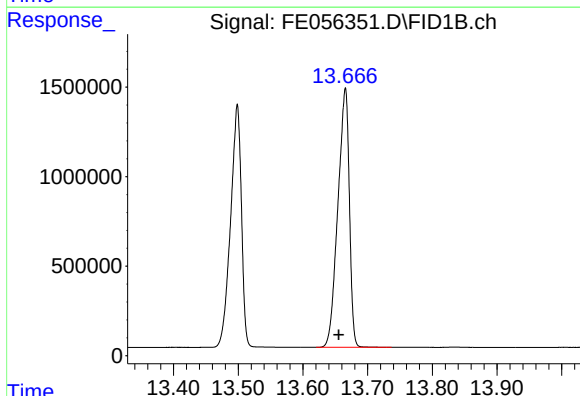
R.T.: 12.064 min
Delta R.T.: 0.012 min
Response: 20852864
Conc: 108.98 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



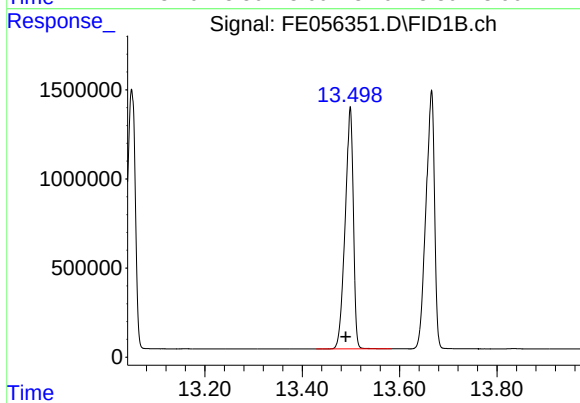
#10 n-Eicosane (C20)

R.T.: 13.050 min
Delta R.T.: 0.009 min
Response: 18055108
Conc: 108.77 ug/ml



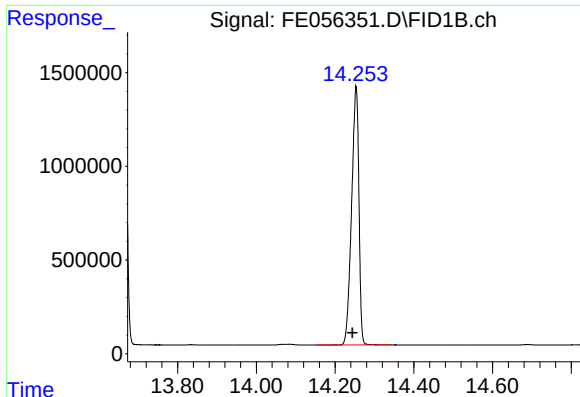
#11 n-Heneicosane (C21)

R.T.: 13.665 min
Delta R.T.: 0.010 min
Response: 17812311
Conc: 108.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.498 min
Delta R.T.: 0.009 min
Response: 15819424
Conc: 110.34 ug/ml



#13 n-Docosane (C22)

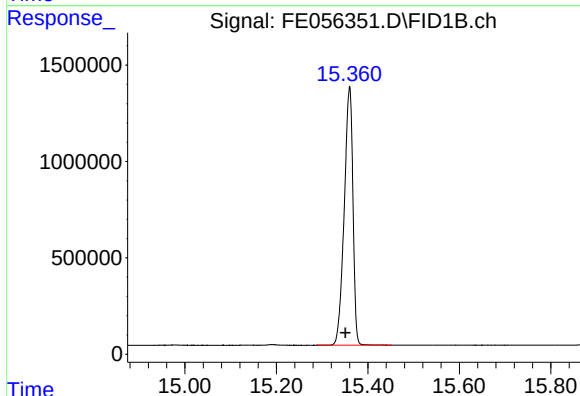
R.T.: 14.253 min
Delta R.T.: 0.009 min
Response: 17739457
Conc: 109.13 ug/ml

Instrument :

FID_E

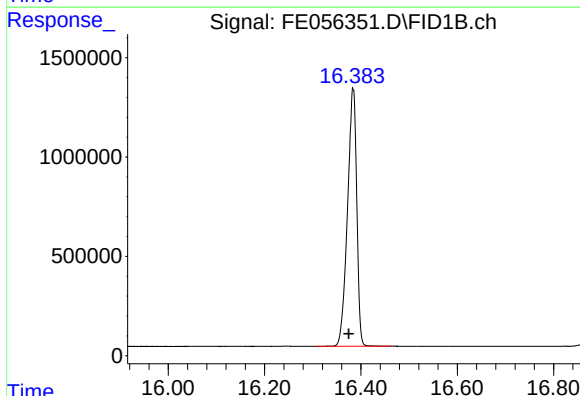
ClientSampleId :

100 PPM ALIPHATIC HC STD1



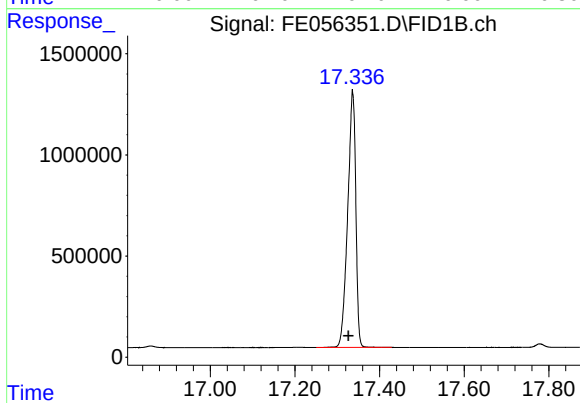
#14 n-Tetracosane (C24)

R.T.: 15.360 min
Delta R.T.: 0.009 min
Response: 17696970
Conc: 109.15 ug/ml



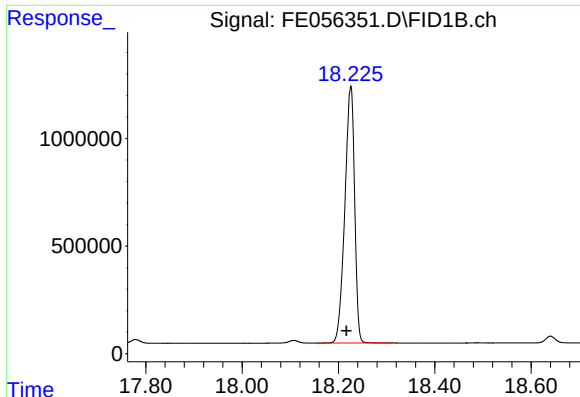
#15 n-Hexacosane (C26)

R.T.: 16.384 min
Delta R.T.: 0.009 min
Response: 17350154
Conc: 109.08 ug/ml



#16 n-Octacosane (C28)

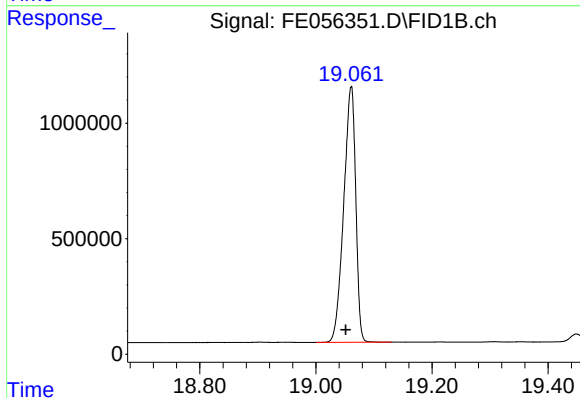
R.T.: 17.336 min
Delta R.T.: 0.010 min
Response: 16881871
Conc: 109.09 ug/ml



#17 n-Tricontane (C30)

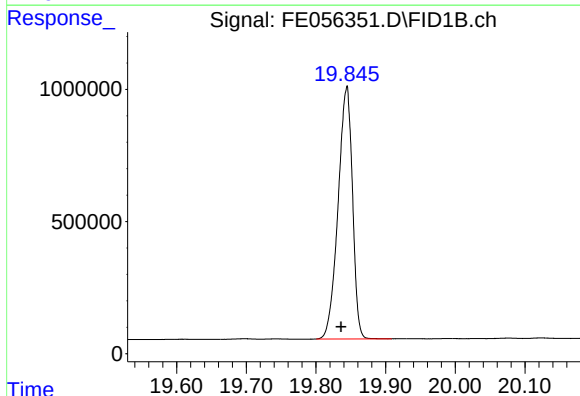
R.T.: 18.225 min
Delta R.T.: 0.008 min
Response: 16886172
Conc: 107.82 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



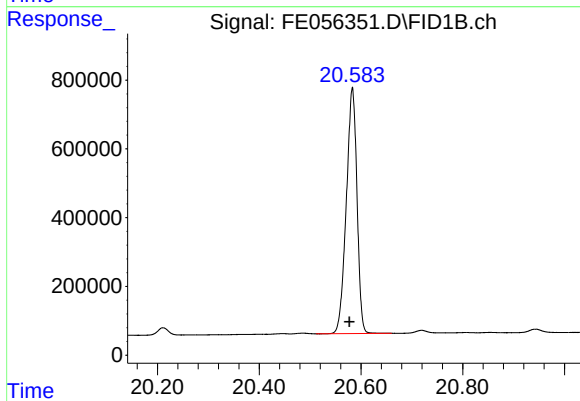
#18 n-Dotriacontane (C32)

R.T.: 19.060 min
Delta R.T.: 0.009 min
Response: 15916843
Conc: 106.14 ug/ml



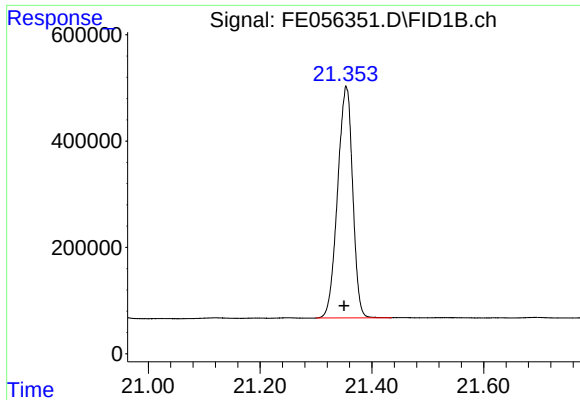
#19 n-Tetratriacontane (C34)

R.T.: 19.844 min
Delta R.T.: 0.008 min
Response: 13701503
Conc: 101.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.583 min
Delta R.T.: 0.005 min
Response: 10404717
Conc: 90.35 ug/ml



#21 n-Octatriacontane (C38)

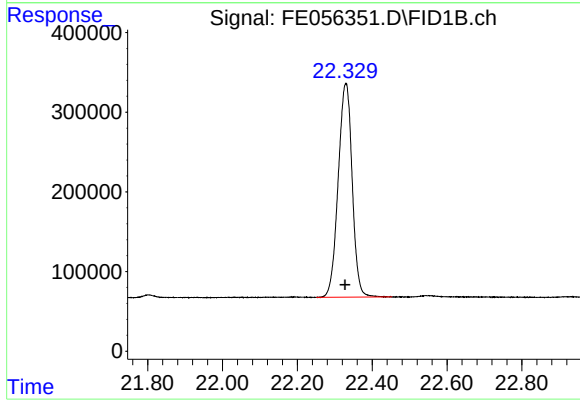
R.T.: 21.354 min
Delta R.T.: 0.004 min
Response: 8143025
Conc: 82.50 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.329 min
Delta R.T.: 0.002 min
Response: 6961763
Conc: 81.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056351.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 17:30
 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 101725.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	3.403	3.357	3.495	BB	1683786	16701525	80.09%	4.670%
2	4.658	4.620	4.745	BB	1714211	17110103	82.05%	4.785%
3	6.375	6.309	6.517	BB	1884447	18882703	90.55%	5.280%
4	6.832	6.784	6.904	BB	1725004	17550676	84.16%	4.908%
5	7.477	7.429	7.597	PV	1726114	18456816	88.51%	5.161%
6	8.669	8.605	8.770	BB	1605496	17622151	84.51%	4.928%
7	10.285	10.234	10.414	BB	1654045	18362411	88.06%	5.135%
8	11.736	11.689	11.809	BB	1552371	18690483	89.63%	5.227%
9	12.064	11.989	12.144	BB	1762902	20852864	100.00%	5.831%
10	13.050	12.979	13.120	BB	1453303	18055108	86.58%	5.049%
11	13.498	13.429	13.584	BB	1362035	15819424	75.86%	4.424%
12	13.665	13.620	13.737	BB	1451960	17812311	85.42%	4.981%
13	14.253	14.152	14.344	BB	1383139	17739457	85.07%	4.961%
14	15.360	15.287	15.452	BB	1349086	17696970	84.87%	4.949%
15	16.384	16.307	16.464	BB	1297583	17350154	83.20%	4.852%
16	17.336	17.250	17.429	BB	1261168	16881871	80.96%	4.721%
17	18.225	18.154	18.310	BB	1192334	16886172	80.98%	4.722%
18	19.060	19.000	19.130	BB	1107431	15916843	76.33%	4.451%
19	19.844	19.800	19.909	BB	948672	13701503	65.71%	3.832%
20	20.583	20.512	20.660	BB	716890	10404717	49.90%	2.910%
21	21.354	21.300	21.435	BB	436151	8143025	39.05%	2.277%
22	22.329	22.250	22.452	BB	268062	6961763	33.39%	1.947%
Sum of corrected areas:						357599050		

Aliphatic EPH 101725.M Fri Oct 17 08:32:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056352.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 18:00
 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: Oct 17 08:22:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
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 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.057	9944859	51.975 ug/ml
Spiked Amount 50.000		Recovery =	103.95%
12) S 1-chlorooctadecane (S...	13.493	7535401	52.561 ug/ml
Spiked Amount 50.000		Recovery =	105.12%
Target Compounds			
1) T n-Nonane (C9)	3.401	8027434	52.234 ug/ml
2) T n-Decane (C10)	4.654	8151590	52.519 ug/ml
3) T A~Naphthalene (C11.7)	6.371	8930796	53.122 ug/ml
4) T n-Dodecane (C12)	6.828	8305461	52.677 ug/ml
5) T A~2-methylnaphthalene...	7.472	8709305	54.461 ug/ml
6) T n-Tetradecane (C14)	8.665	8312944	53.213 ug/ml
7) T n-Hexadecane (C16)	10.280	8711849	52.882 ug/ml
8) T n-Octadecane (C18)	11.730	8942054	52.333 ug/ml
10) T n-Eicosane (C20)	13.044	8645421	52.081 ug/ml
11) T n-Heneicosane (C21)	13.659	8523932	51.971 ug/ml
13) T n-Docosane (C22)	14.247	8531126	52.483 ug/ml
14) T n-Tetracosane (C24)	15.353	8610842	53.108 ug/ml
15) T n-Hexacosane (C26)	16.378	8452135	53.136 ug/ml
16) T n-Octacosane (C28)	17.330	8264741	53.406 ug/ml
17) T n-Tricontane (C30)	18.220	8292000	52.946 ug/ml
18) T n-Dotriacontane (C32)	19.054	7932430	52.895 ug/ml
19) T n-Tetratriacontane (C34)	19.840	7118725	52.663 ug/ml
20) T n-Hexatriacontane (C36)	20.580	6063460	52.655 ug/ml
21) T n-Octatriacontane (C38)	21.350	5354430	54.251 ug/ml
22) T n-Tetracontane (C40)	22.327	4917436	57.525 ug/ml

(f)=RT Delta > 1/2 Window

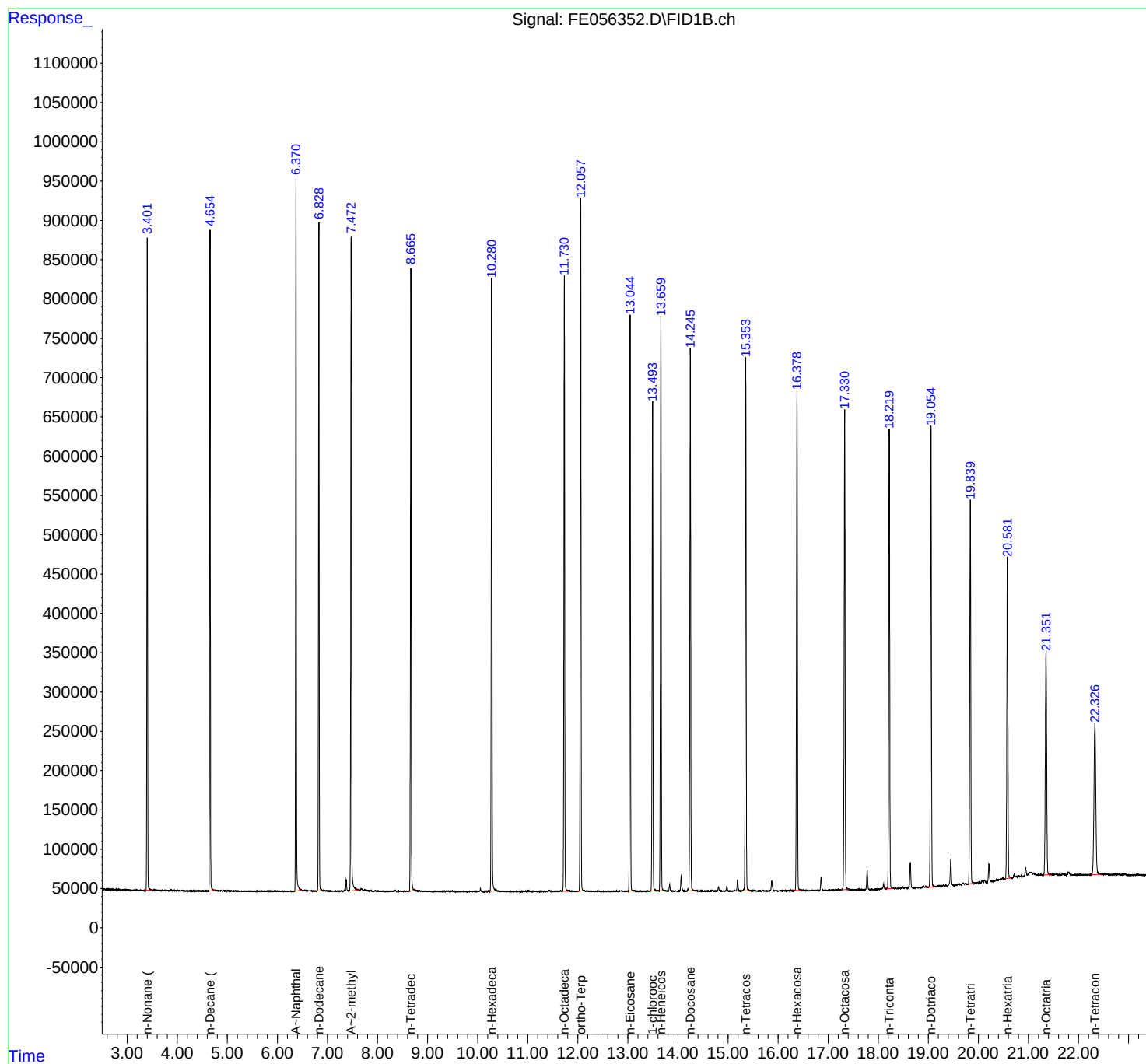
(m)=manual int.

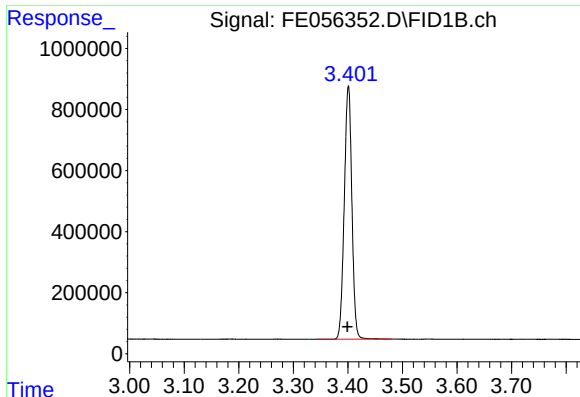
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056352.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 18:00
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 17 08:22:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

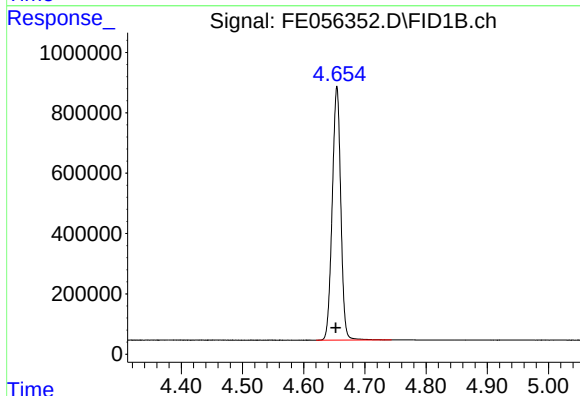




#1 n-Nonane (C9)

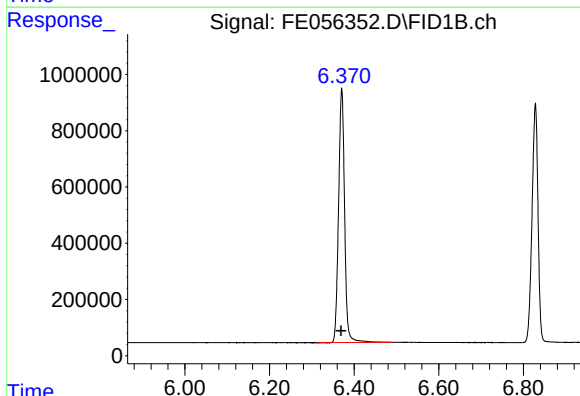
R.T.: 3.401 min
Delta R.T.: 0.002 min
Response: 8027434
Conc: 52.23 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



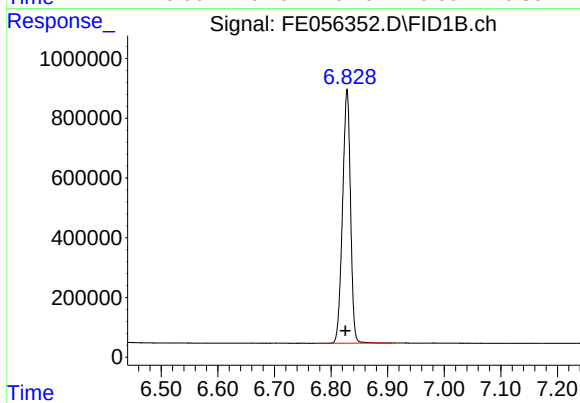
#2 n-Decane (C10)

R.T.: 4.654 min
Delta R.T.: 0.002 min
Response: 8151590
Conc: 52.52 ug/ml



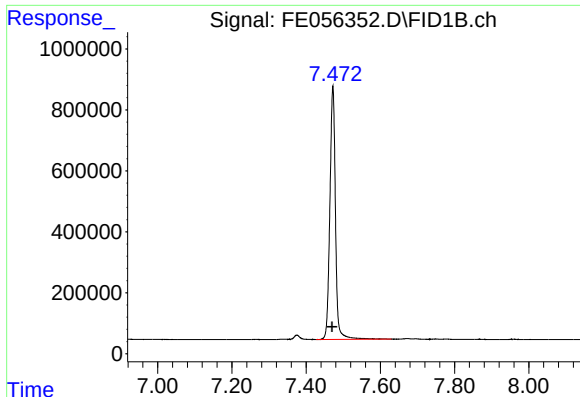
#3 A~Naphthalene (C11.7)

R.T.: 6.371 min
Delta R.T.: 0.002 min
Response: 8930796
Conc: 53.12 ug/ml



#4 n-Dodecane (C12)

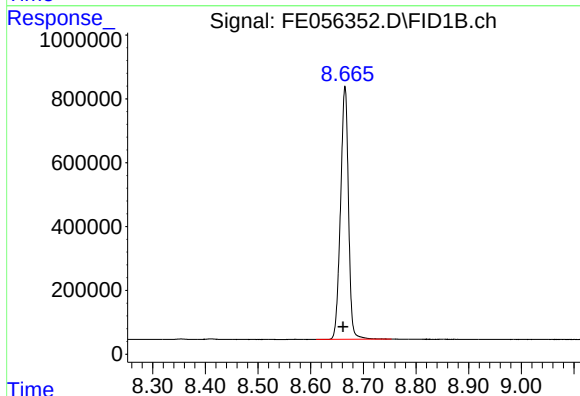
R.T.: 6.828 min
Delta R.T.: 0.003 min
Response: 8305461
Conc: 52.68 ug/ml



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

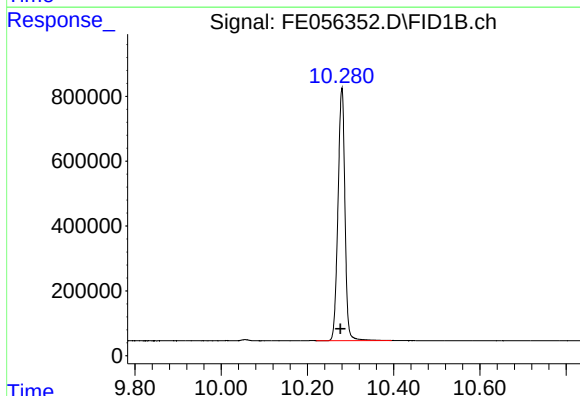
R.T.: 7.472 min
Delta R.T.: 0.002 min
Response: 8709305
Conc: 54.46 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



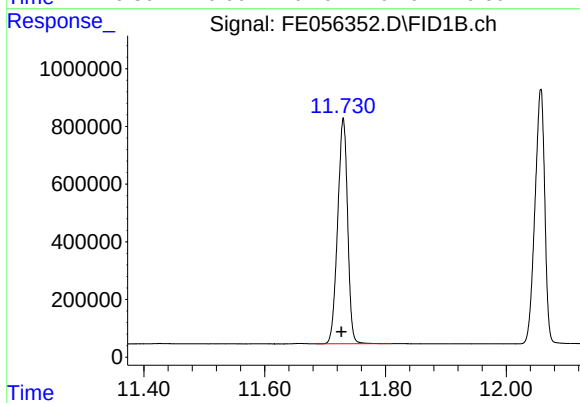
#6 n-Tetradecane (C14)

R.T.: 8.665 min
Delta R.T.: 0.003 min
Response: 8312944
Conc: 53.21 ug/ml



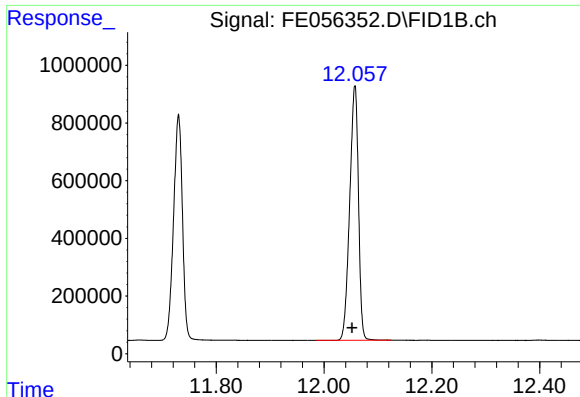
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.003 min
Response: 8711849
Conc: 52.88 ug/ml



#8 n-Octadecane (C18)

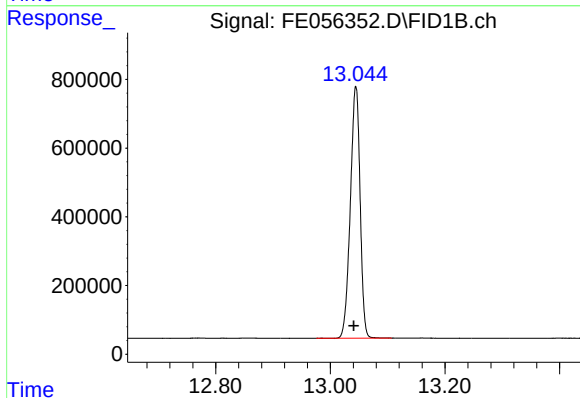
R.T.: 11.730 min
Delta R.T.: 0.003 min
Response: 8942054
Conc: 52.33 ug/ml



#9 ortho-Terphenyl (SURR)

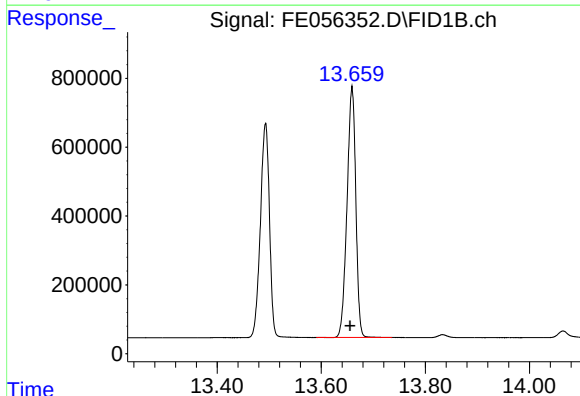
R.T.: 12.057 min
Delta R.T.: 0.005 min
Response: 9944859
Conc: 51.98 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



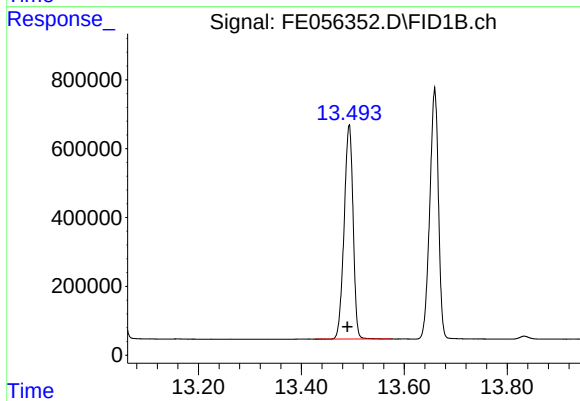
#10 n-Eicosane (C20)

R.T.: 13.044 min
Delta R.T.: 0.003 min
Response: 8645421
Conc: 52.08 ug/ml



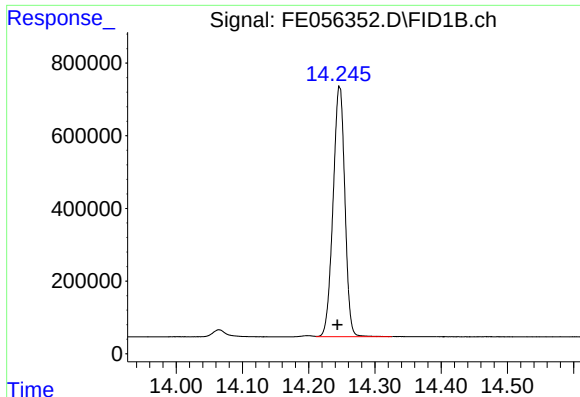
#11 n-Heneicosane (C21)

R.T.: 13.659 min
Delta R.T.: 0.004 min
Response: 8523932
Conc: 51.97 ug/ml



#12 1-chlorooctadecane (SURR)

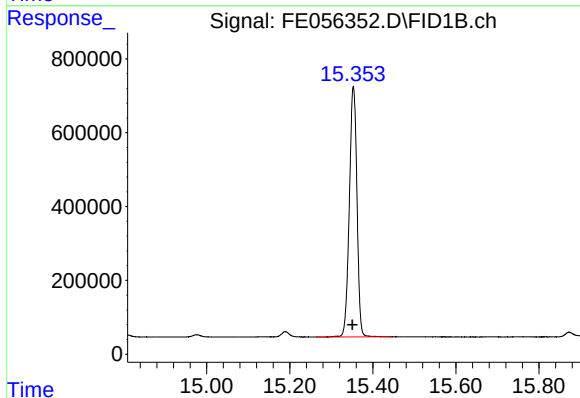
R.T.: 13.493 min
Delta R.T.: 0.003 min
Response: 7535401
Conc: 52.56 ug/ml



#13 n-Docosane (C22)

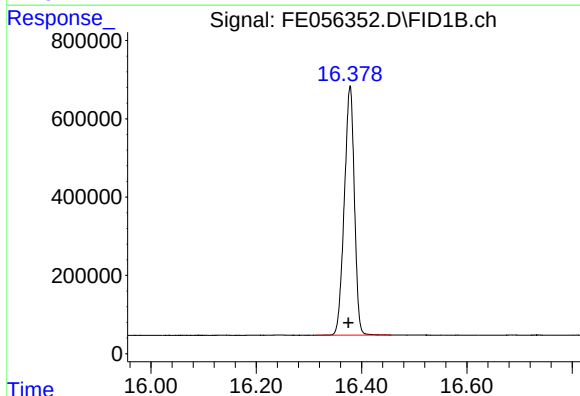
R.T.: 14.247 min
Delta R.T.: 0.003 min
Response: 8531126
Conc: 52.48 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



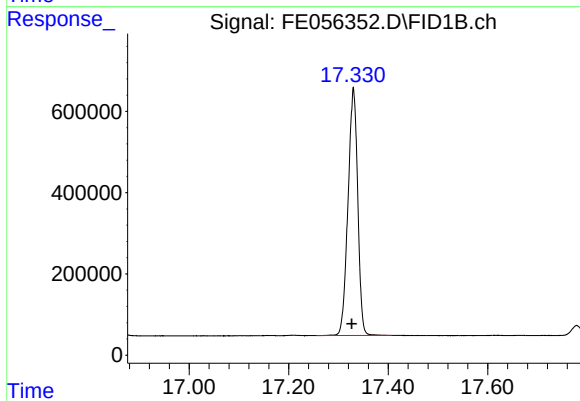
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.003 min
Response: 8610842
Conc: 53.11 ug/ml



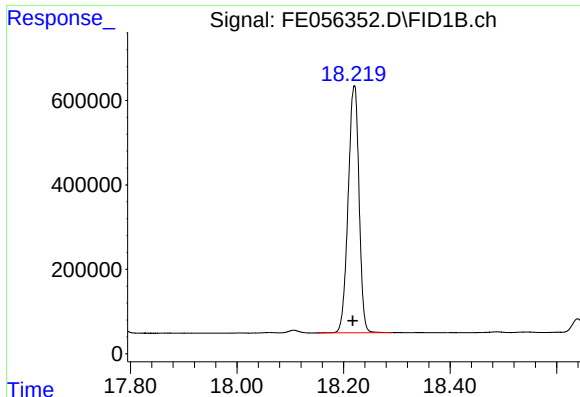
#15 n-Hexacosane (C26)

R.T.: 16.378 min
Delta R.T.: 0.003 min
Response: 8452135
Conc: 53.14 ug/ml



#16 n-Octacosane (C28)

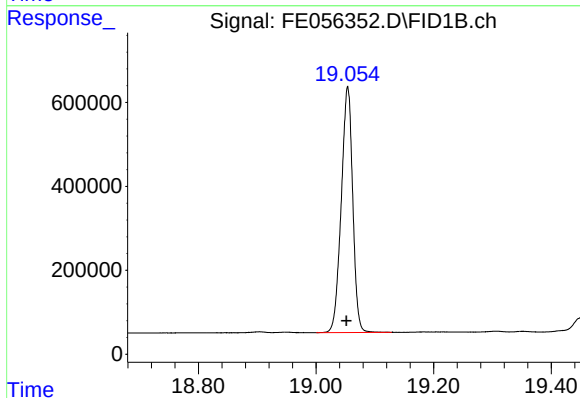
R.T.: 17.330 min
Delta R.T.: 0.003 min
Response: 8264741
Conc: 53.41 ug/ml



#17 n-Tricontane (C30)

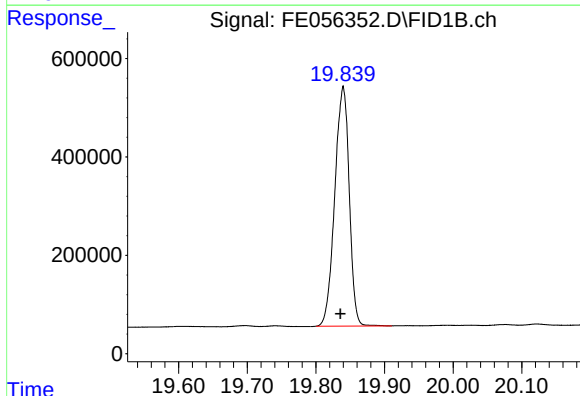
R.T.: 18.220 min
Delta R.T.: 0.003 min
Response: 8292000
Conc: 52.95 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



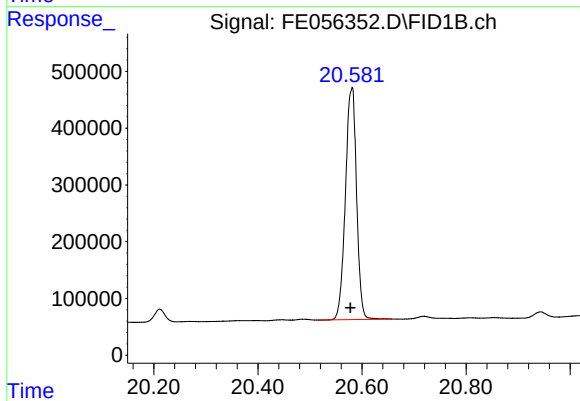
#18 n-Dotriacontane (C32)

R.T.: 19.054 min
Delta R.T.: 0.002 min
Response: 7932430
Conc: 52.89 ug/ml



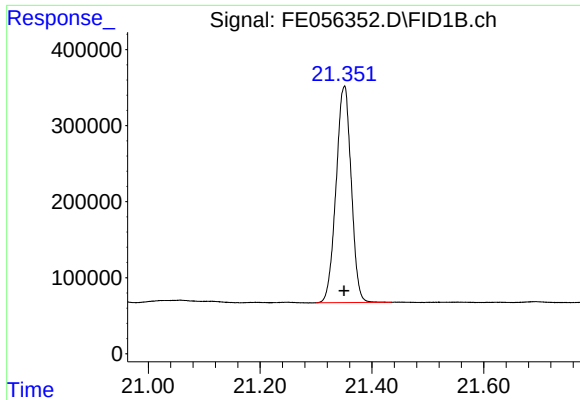
#19 n-Tetratriacontane (C34)

R.T.: 19.840 min
Delta R.T.: 0.004 min
Response: 7118725
Conc: 52.66 ug/ml



#20 n-Hexatriacontane (C36)

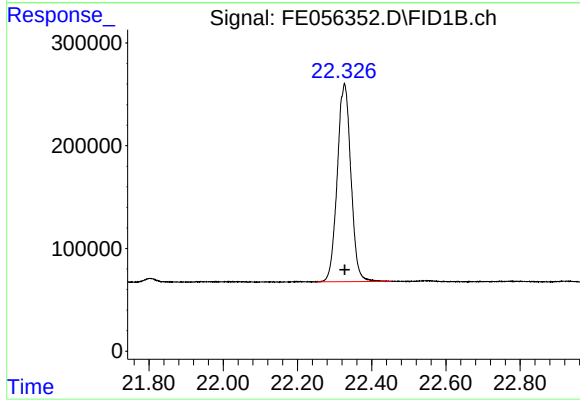
R.T.: 20.580 min
Delta R.T.: 0.002 min
Response: 6063460
Conc: 52.66 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.350 min
Delta R.T.: 0.000 min
Response: 5354430
Conc: 54.25 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 4917436
Conc: 57.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056352.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 18:00
 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 101725.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	3.401	3.342	3.480	BB	828928	8027434	80.72%	4.554%
2	4.654	4.620	4.744	BB	838506	8151590	81.97%	4.624%
3	6.371	6.310	6.489	BB	904873	8930796	89.80%	5.066%
4	6.828	6.774	6.907	BB	852789	8305461	83.52%	4.712%
5	7.472	7.427	7.630	BB	830812	8709305	87.58%	4.941%
6	8.665	8.610	8.754	BB	794171	8312944	83.59%	4.716%
7	10.280	10.220	10.395	BB	782719	8711849	87.60%	4.942%
8	11.730	11.685	11.810	BB	783459	8942054	89.92%	5.073%
9	12.057	11.985	12.125	BB	884029	9944859	100.00%	5.642%
10	13.044	12.975	13.107	BB	733724	8645421	86.93%	4.904%
11	13.493	13.429	13.575	BB	622761	7535401	75.77%	4.275%
12	13.659	13.590	13.735	BB	726177	8523932	85.71%	4.835%
13	14.247	14.211	14.325	VB	686649	8531126	85.78%	4.840%
14	15.353	15.264	15.445	BB	677307	8610842	86.59%	4.885%
15	16.378	16.314	16.457	BB	639959	8452135	84.99%	4.795%
16	17.330	17.255	17.407	BB	609802	8264741	83.11%	4.688%
17	18.220	18.149	18.290	BB	585126	8292000	83.38%	4.704%
18	19.054	19.000	19.129	BB	586257	7932430	79.76%	4.500%
19	19.840	19.800	19.910	BB	488157	7118725	71.58%	4.038%
20	20.580	20.512	20.657	BB	407193	6063460	60.97%	3.440%
21	21.350	21.300	21.435	BB	284486	5354430	53.84%	3.037%
22	22.327	22.250	22.454	BB	192878	4917436	49.45%	2.790%
Sum of corrected areas:						176278372		

Aliphatic EPH 101725.M Fri Oct 17 08:33:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056353.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 18:30
 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: Oct 17 08:23:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 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)	12.052	3826772	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.489	2867313	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.399	3073653	20.000 ug/ml
2) T n-Decane (C10)	4.652	3104239	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.369	3362356	20.000 ug/ml
4) T n-Dodecane (C12)	6.826	3153360	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.470	3198353	20.000 ug/ml
6) T n-Tetradecane (C14)	8.662	3124392	20.000 ug/ml
7) T n-Hexadecane (C16)	10.277	3294820	20.000 ug/ml
8) T n-Octadecane (C18)	11.727	3417372	20.000 ug/ml
10) T n-Eicosane (C20)	13.041	3319985	20.000 ug/ml
11) T n-Heneicosane (C21)	13.655	3280295	20.000 ug/ml
13) T n-Docosane (C22)	14.244	3251010	20.000 ug/ml
14) T n-Tetracosane (C24)	15.351	3242751	20.000 ug/ml
15) T n-Hexacosane (C26)	16.375	3181322	20.000 ug/ml
16) T n-Octacosane (C28)	17.327	3095047	20.000 ug/ml
17) T n-Tricontane (C30)	18.217	3132258	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.052	2999317	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.836	2703510	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.578	2303077	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.350	1973965	20.000 ug/ml
22) T n-Tetracontane (C40)	22.327	1709655	20.000 ug/ml

(f)=RT Delta > 1/2 Window

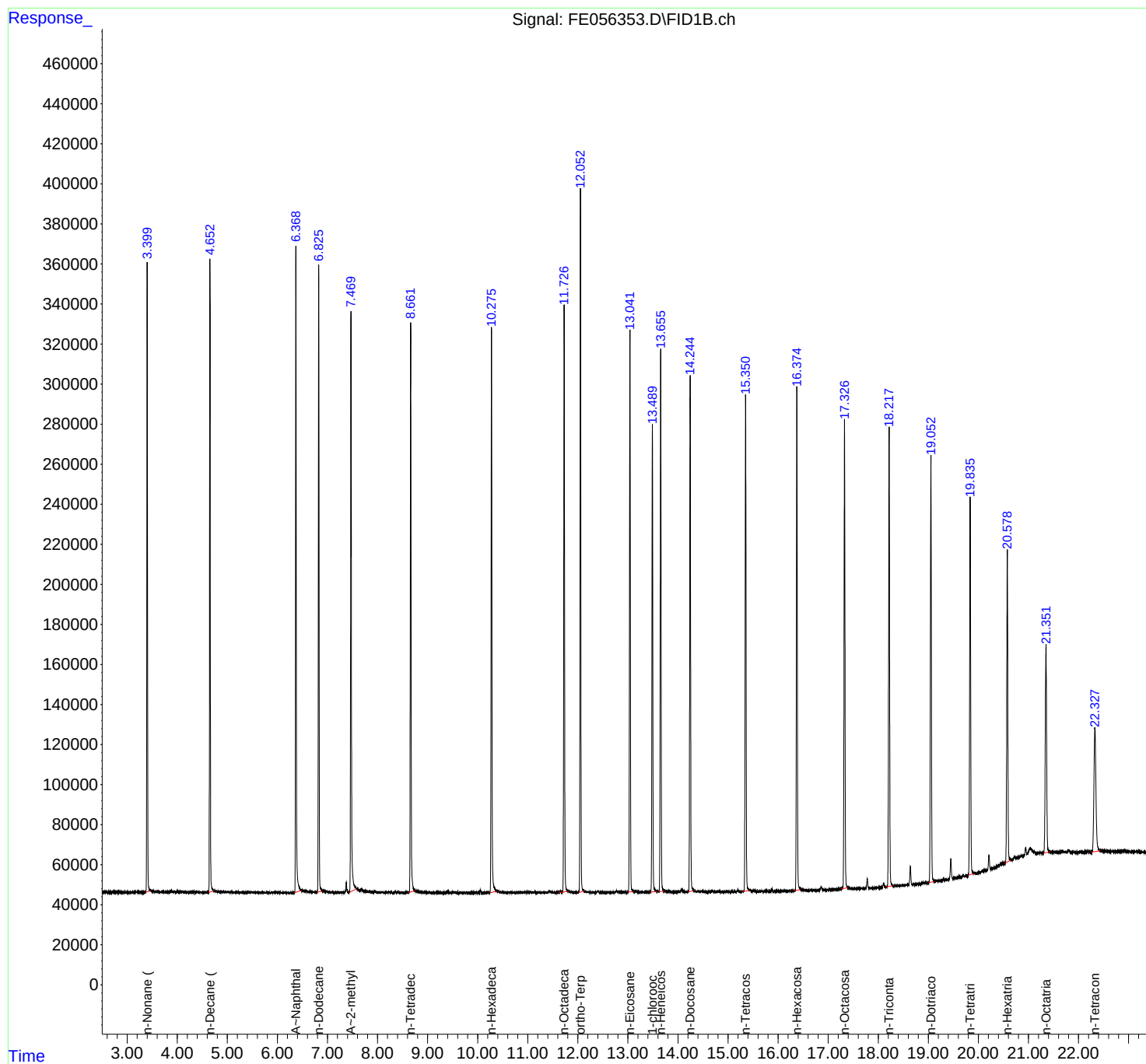
(m)=manual int.

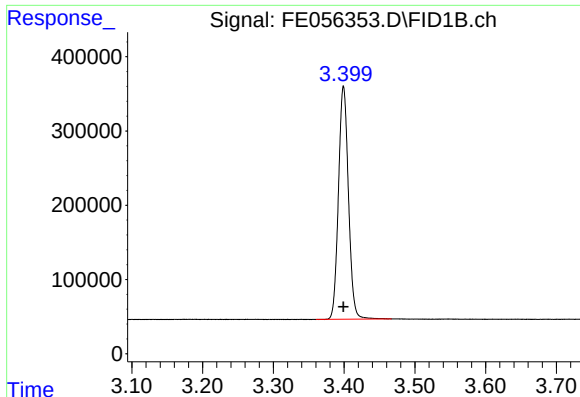
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056353.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 18:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 17 08:23:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

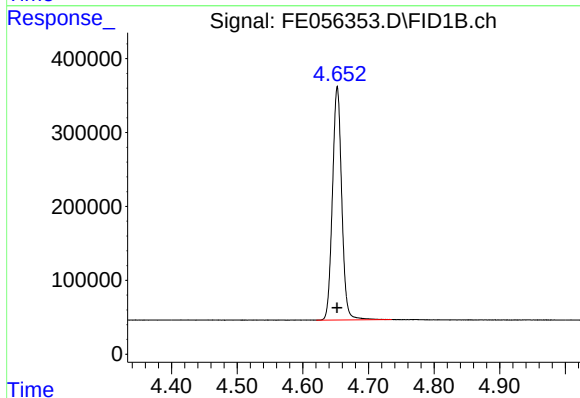




#1 n-Nonane (C9)

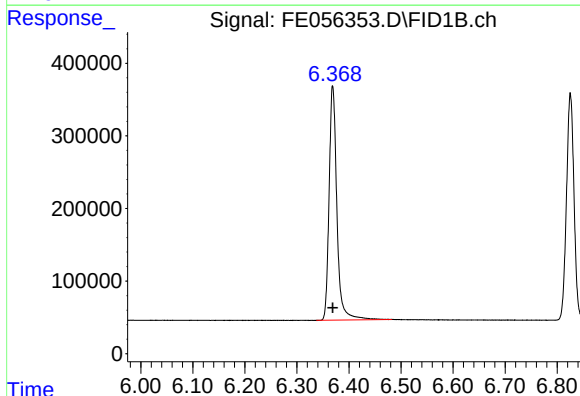
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 3073653
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



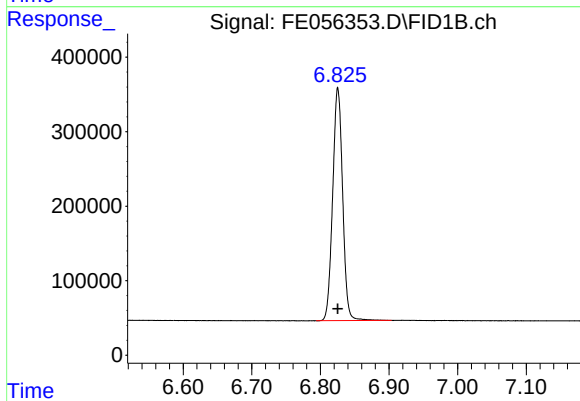
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 3104239
Conc: 20.00 ug/ml



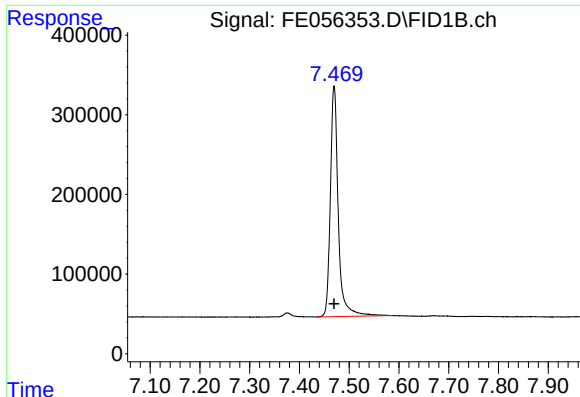
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min
Delta R.T.: 0.000 min
Response: 3362356
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

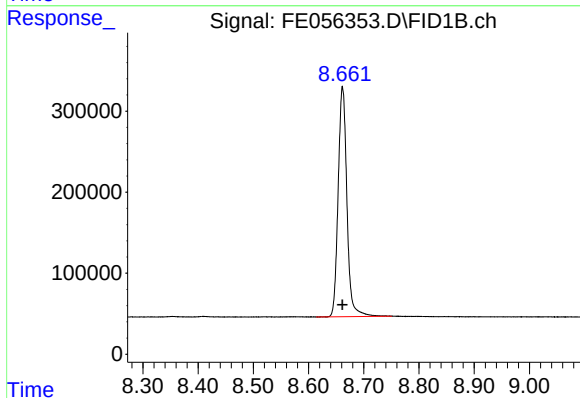
R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 3153360
Conc: 20.00 ug/ml



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

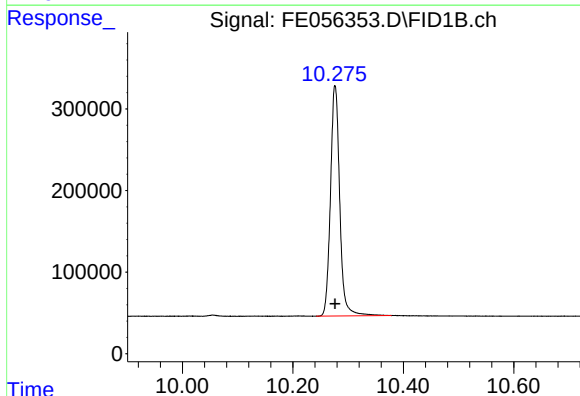
R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 3198353
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



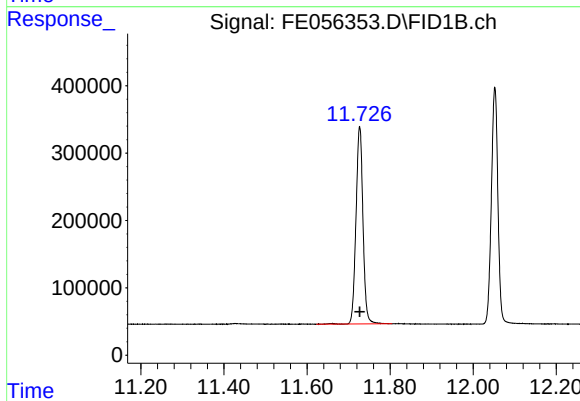
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.000 min
Response: 3124392
Conc: 20.00 ug/ml



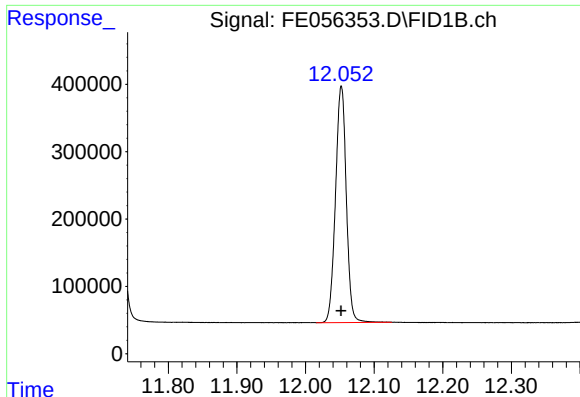
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 3294820
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

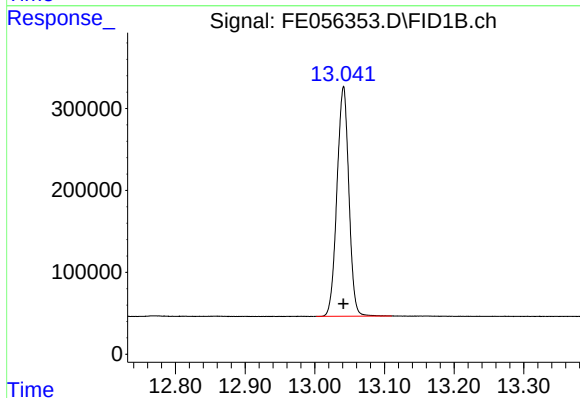
R.T.: 11.727 min
Delta R.T.: 0.000 min
Response: 3417372
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

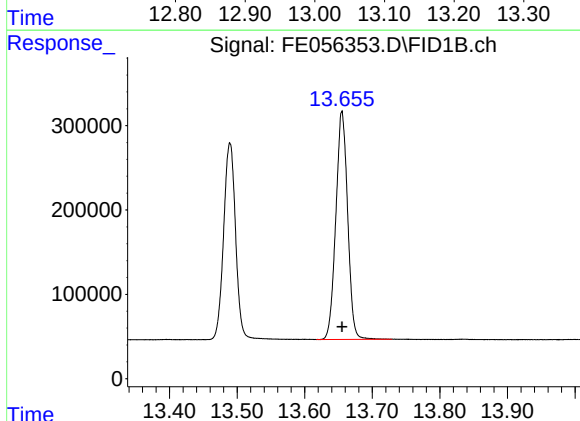
R.T.: 12.052 min
Delta R.T.: 0.000 min
Response: 3826772
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



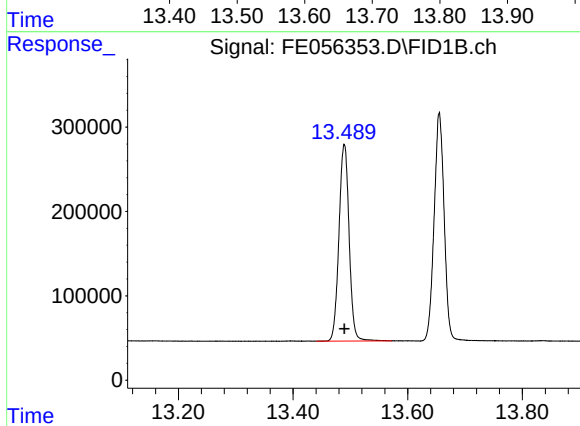
#10 n-Eicosane (C20)

R.T.: 13.041 min
Delta R.T.: 0.000 min
Response: 3319985
Conc: 20.00 ug/ml



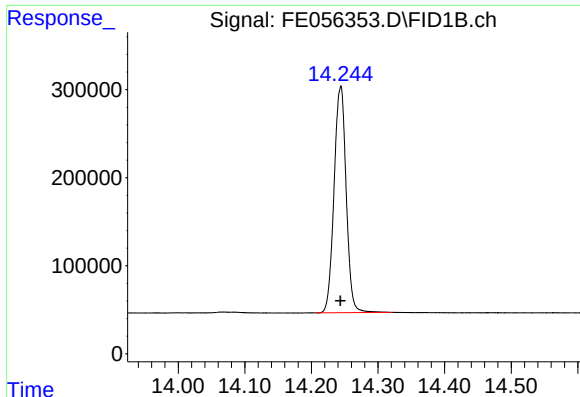
#11 n-Heneicosane (C21)

R.T.: 13.655 min
Delta R.T.: 0.000 min
Response: 3280295
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

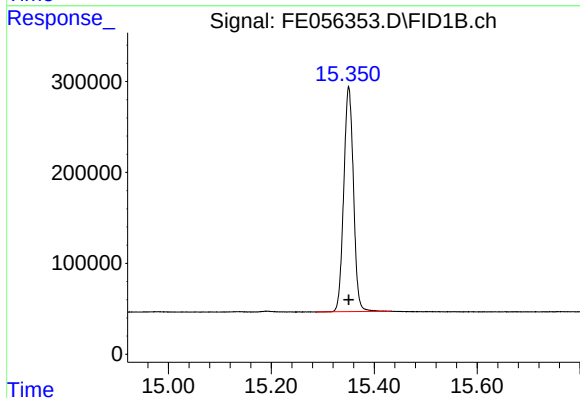
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 2867313
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

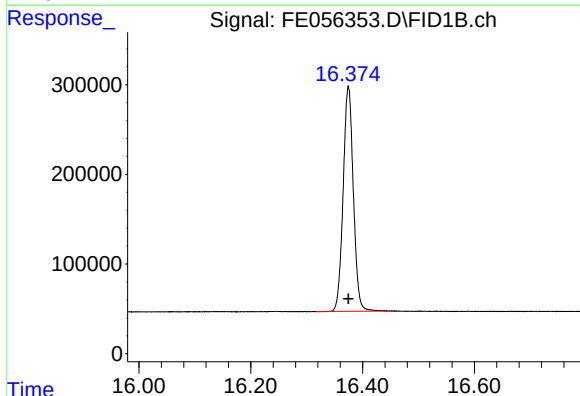
R.T.: 14.244 min
Delta R.T.: 0.000 min
Response: 3251010
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



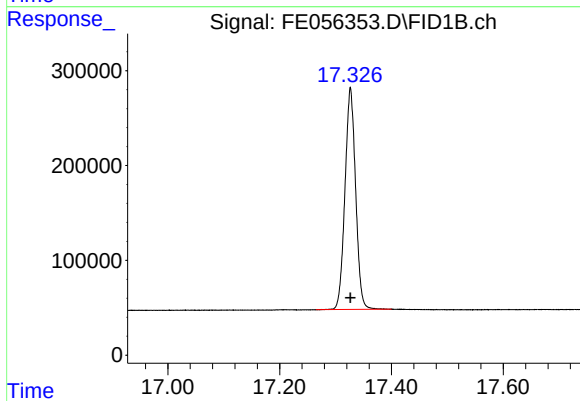
#14 n-Tetracosane (C24)

R.T.: 15.351 min
Delta R.T.: 0.000 min
Response: 3242751
Conc: 20.00 ug/ml



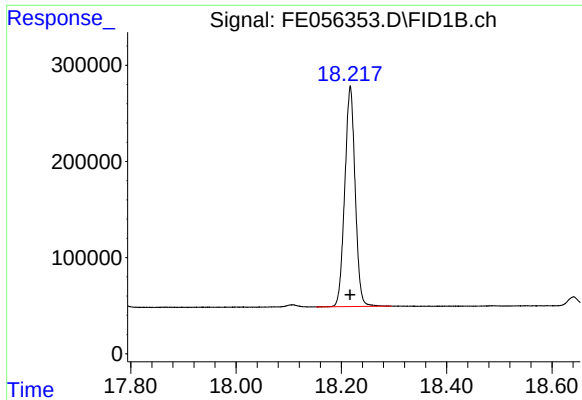
#15 n-Hexacosane (C26)

R.T.: 16.375 min
Delta R.T.: 0.000 min
Response: 3181322
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

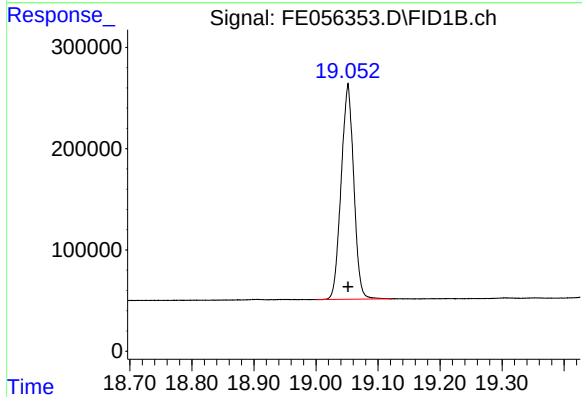
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 3095047
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

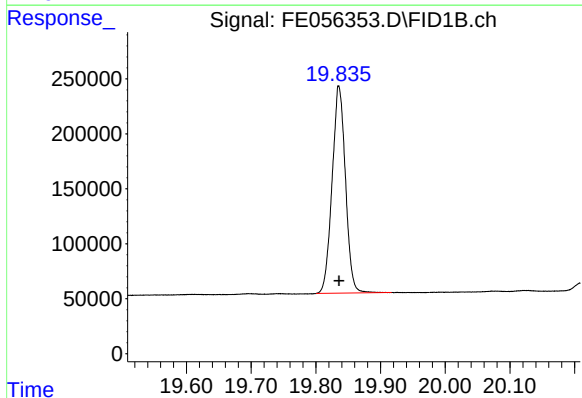
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 3132258
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



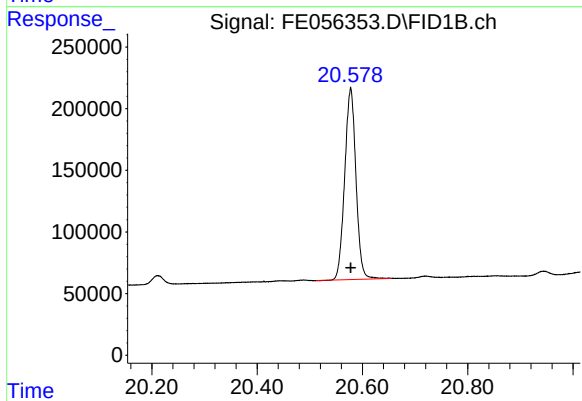
#18 n-Dotriacontane (C32)

R.T.: 19.052 min
Delta R.T.: 0.000 min
Response: 2999317
Conc: 20.00 ug/ml



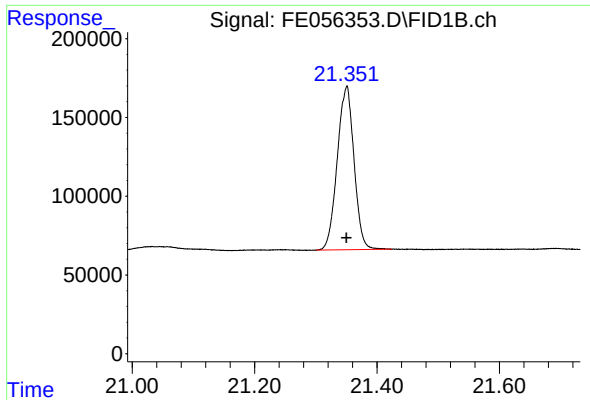
#19 n-Tetratriacontane (C34)

R.T.: 19.836 min
Delta R.T.: 0.000 min
Response: 2703510
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

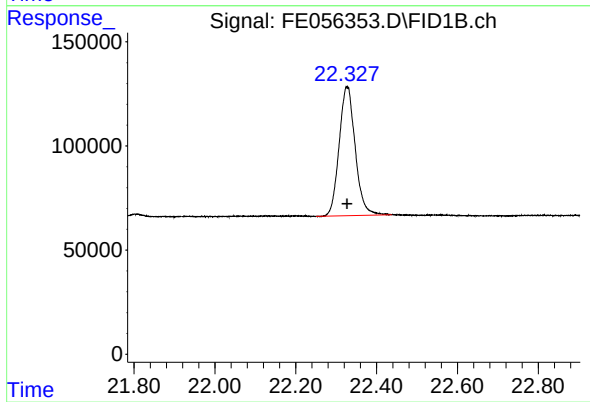
R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 2303077
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.350 min
Delta R.T.: 0.000 min
Response: 1973965
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 1709655
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056353.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 18:30
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 101725.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	3.399	3.360	3.467	BB	314168	3073653	80.32%	4.614%
2	4.652	4.620	4.735	BB	315135	3104239	81.12%	4.660%
3	6.369	6.337	6.482	BB	322349	3362356	87.86%	5.047%
4	6.826	6.794	6.904	BB	312429	3153360	82.40%	4.734%
5	7.470	7.434	7.585	BB	289227	3198353	83.58%	4.801%
6	8.662	8.614	8.750	BB	282172	3124392	81.65%	4.690%
7	10.277	10.242	10.379	BB	282342	3294820	86.10%	4.946%
8	11.727	11.622	11.804	BB	292965	3417372	89.30%	5.130%
9	12.052	12.015	12.125	BB	351680	3826772	100.00%	5.745%
10	13.041	13.002	13.110	BB	279975	3319985	86.76%	4.984%
11	13.489	13.440	13.572	BB	233341	2867313	74.93%	4.304%
12	13.655	13.617	13.729	BB	269871	3280295	85.72%	4.924%
13	14.244	14.207	14.320	BB	256630	3251010	84.95%	4.880%
14	15.351	15.287	15.434	BB	247613	3242751	84.74%	4.868%
15	16.375	16.317	16.452	BB	250277	3181322	83.13%	4.776%
16	17.327	17.265	17.400	BB	233886	3095047	80.88%	4.646%
17	18.217	18.152	18.295	BB	229979	3132258	81.85%	4.702%
18	19.052	19.000	19.122	BB	213371	2999317	78.38%	4.502%
19	19.836	19.800	19.917	BB	188149	2703510	70.65%	4.058%
20	20.578	20.512	20.655	BB	155054	2303077	60.18%	3.457%
21	21.350	21.300	21.424	BB	103890	1973965	51.58%	2.963%
22	22.327	22.250	22.437	BB	61787	1709655	44.68%	2.566%
Sum of corrected areas:						66614822		

Aliphatic EPH 101725.M Fri Oct 17 08:34:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056354.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 19:00
 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: Oct 17 08:23:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 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)	12.051	2078091	10.861 ug/ml
Spiked Amount 50.000		Recovery =	21.72%
12) S 1-chlorooctadecane (S...	13.488	1545743	10.782 ug/ml
Spiked Amount 50.000		Recovery =	21.56%
Target Compounds			
1) T n-Nonane (C9)	3.399	1646705	10.715 ug/ml
2) T n-Decane (C10)	4.652	1655109	10.664 ug/ml
3) T A~Naphthalene (C11.7)	6.370	1752100	10.422 ug/ml
4) T n-Dodecane (C12)	6.825	1690409	10.721 ug/ml
5) T A~2-methylnaphthalene...	7.470	1629274	10.188 ug/ml
6) T n-Tetradecane (C14)	8.661	1662323	10.641 ug/ml
7) T n-Hexadecane (C16)	10.276	1758484	10.674 ug/ml
8) T n-Octadecane (C18)	11.725	1854119	10.851 ug/ml
10) T n-Eicosane (C20)	13.040	1816244	10.941 ug/ml
11) T n-Heneicosane (C21)	13.654	1788939	10.907 ug/ml
13) T n-Docosane (C22)	14.243	1812465	11.150 ug/ml
14) T n-Tetracosane (C24)	15.350	1832865	11.304 ug/ml
15) T n-Hexacosane (C26)	16.374	1812019	11.392 ug/ml
16) T n-Octacosane (C28)	17.327	1800062	11.632 ug/ml
17) T n-Tricontane (C30)	18.217	1850780	11.818 ug/ml
18) T n-Dotriacontane (C32)	19.051	1808728	12.061 ug/ml
19) T n-Tetratriacontane (C34)	19.835	1598424	11.825 ug/ml
20) T n-Hexatriacontane (C36)	20.577	1302225	11.309 ug/ml
21) T n-Octatriacontane (C38)	21.348	1117621	11.324 ug/ml
22) T n-Tetracontane (C40)	22.327	970320	11.351 ug/ml

(f)=RT Delta > 1/2 Window

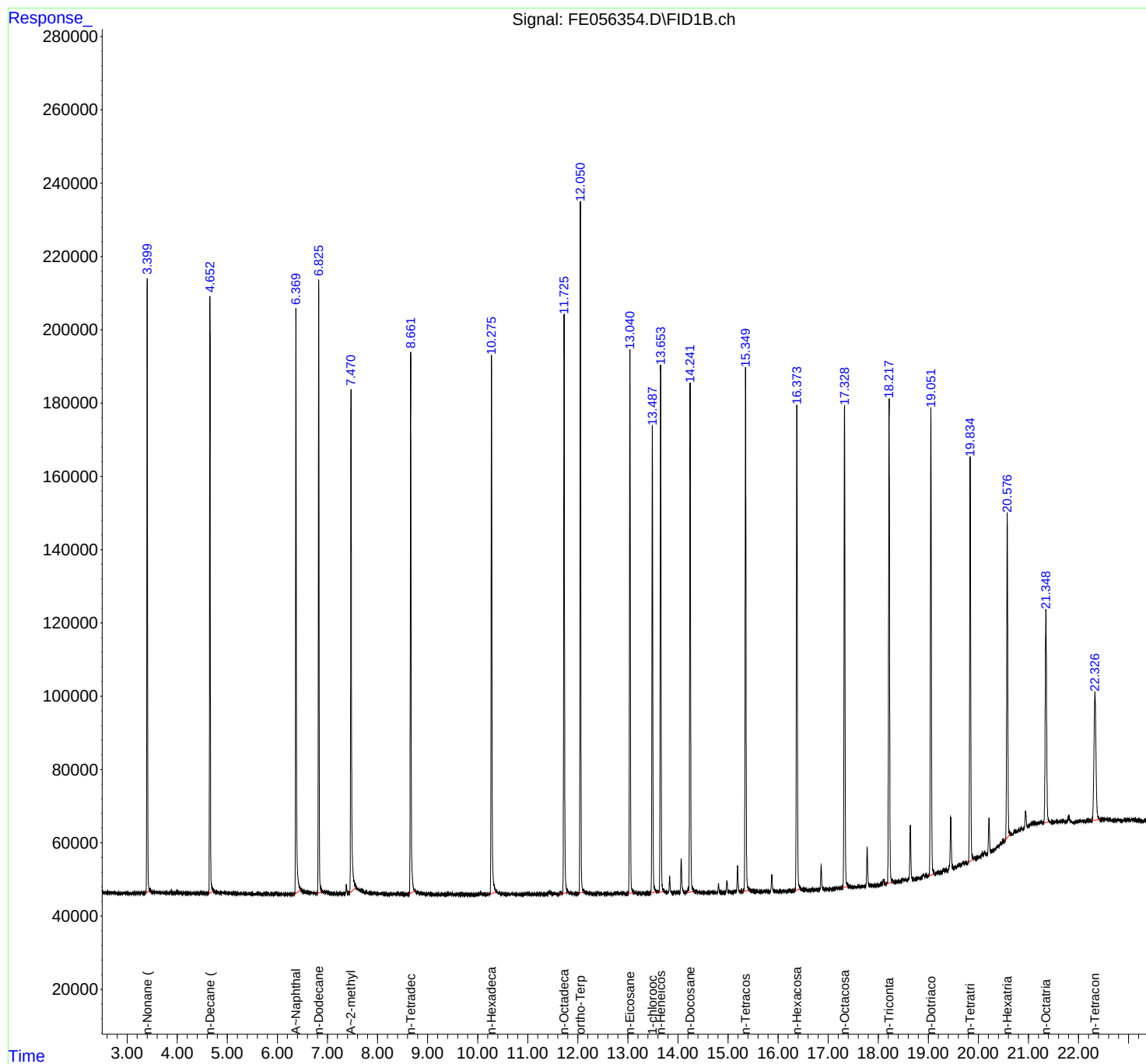
(m)=manual int.

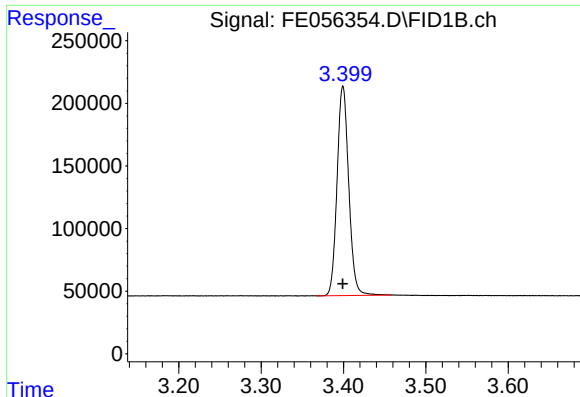
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056354.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 19:00
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 17 08:23:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

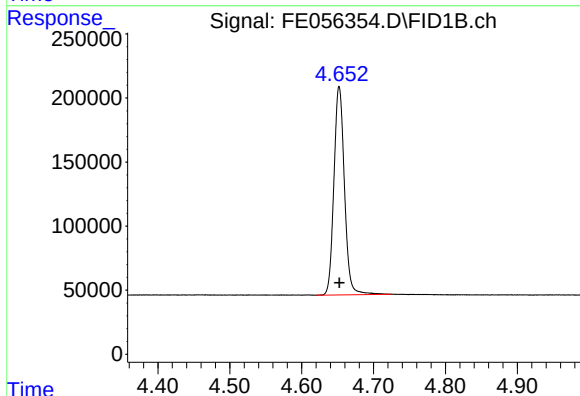




#1 n-Nonane (C9)

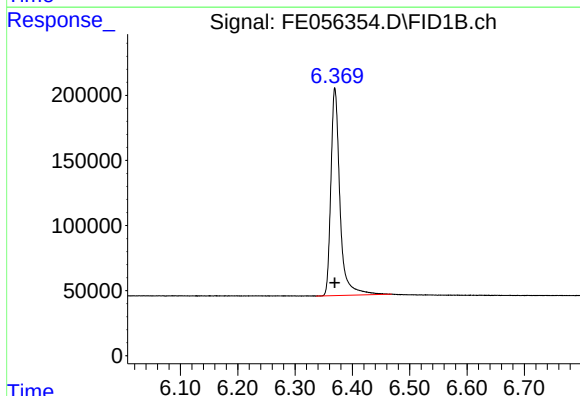
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 1646705
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



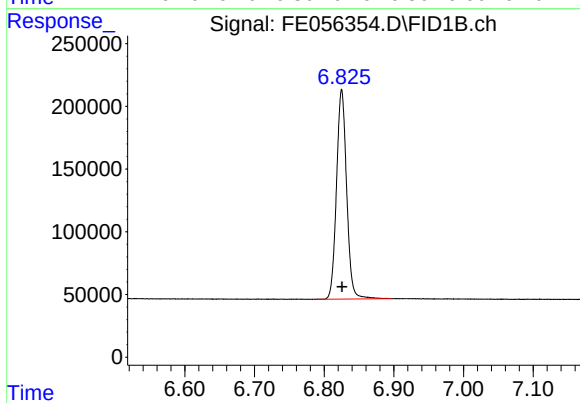
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 1655109
Conc: 10.66 ug/ml



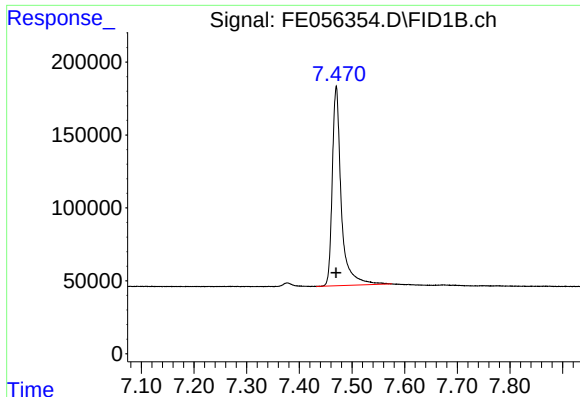
#3 A~Naphthalene (C11.7)

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 1752100
Conc: 10.42 ug/ml



#4 n-Dodecane (C12)

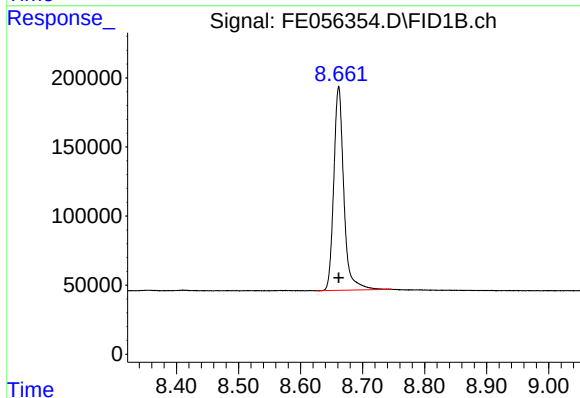
R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 1690409
Conc: 10.72 ug/ml



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

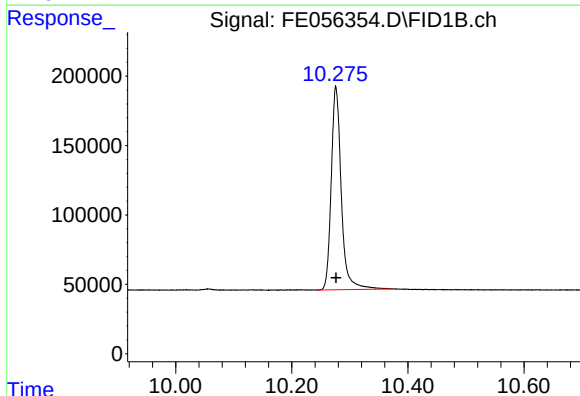
R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 1629274
Conc: 10.19 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



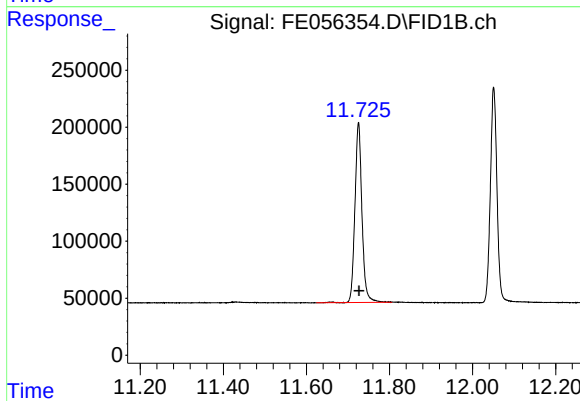
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 1662323
Conc: 10.64 ug/ml



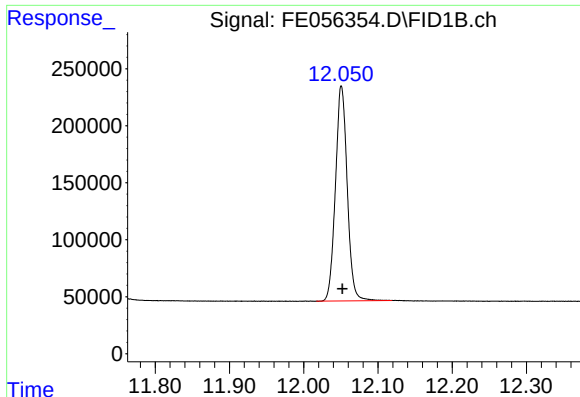
#7 n-Hexadecane (C16)

R.T.: 10.276 min
Delta R.T.: 0.000 min
Response: 1758484
Conc: 10.67 ug/ml



#8 n-Octadecane (C18)

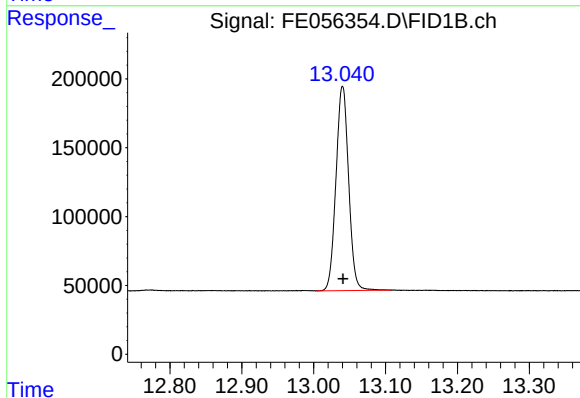
R.T.: 11.725 min
Delta R.T.: -0.001 min
Response: 1854119
Conc: 10.85 ug/ml



#9 ortho-Terphenyl (SURR)

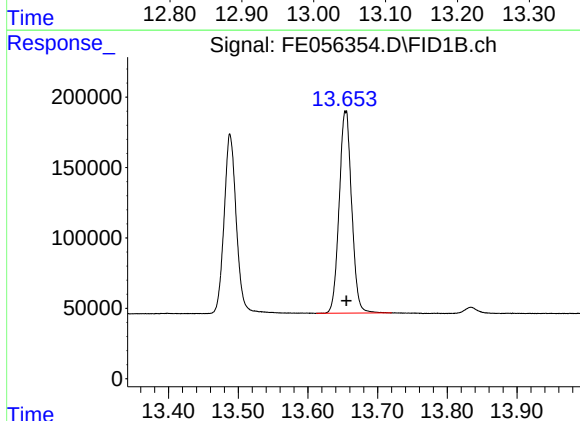
R.T.: 12.051 min
Delta R.T.: -0.001 min
Response: 2078091
Conc: 10.86 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



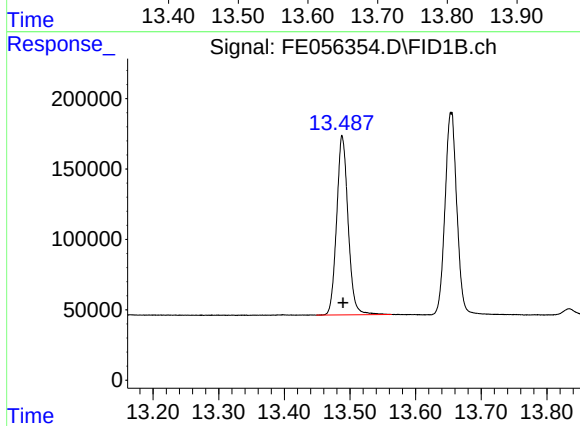
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 1816244
Conc: 10.94 ug/ml



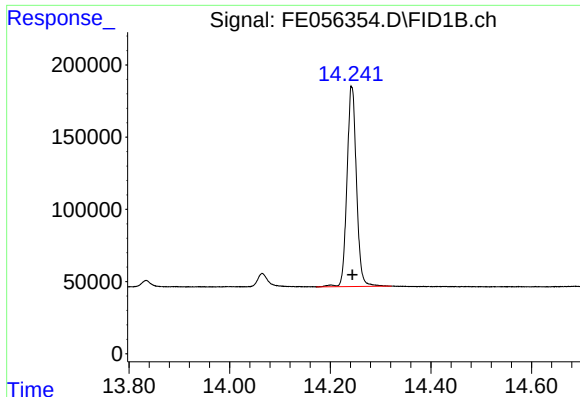
#11 n-Heneicosane (C21)

R.T.: 13.654 min
Delta R.T.: -0.001 min
Response: 1788939
Conc: 10.91 ug/ml



#12 1-chlorooctadecane (SURR)

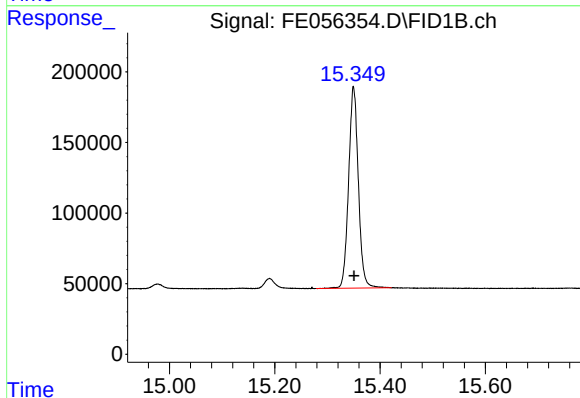
R.T.: 13.488 min
Delta R.T.: 0.000 min
Response: 1545743
Conc: 10.78 ug/ml



#13 n-Docosane (C22)

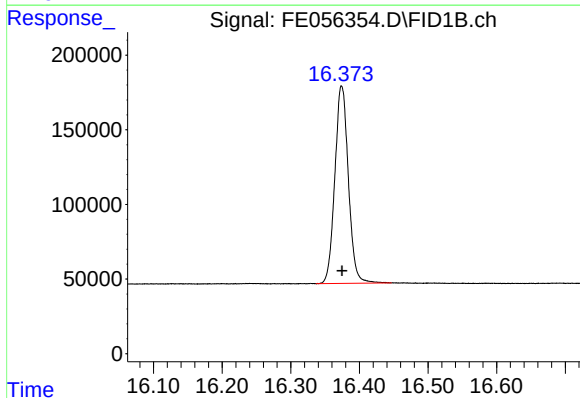
R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 1812465
Conc: 11.15 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



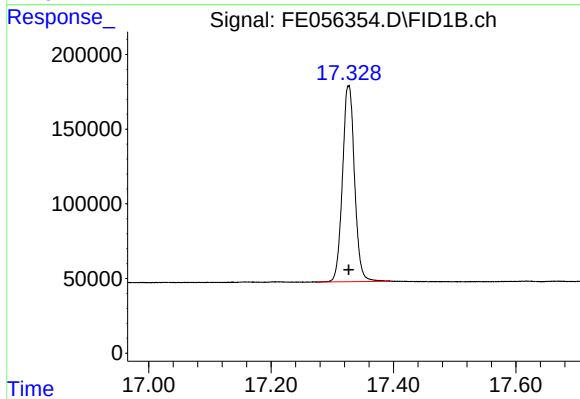
#14 n-Tetracosane (C24)

R.T.: 15.350 min
Delta R.T.: 0.000 min
Response: 1832865
Conc: 11.30 ug/ml



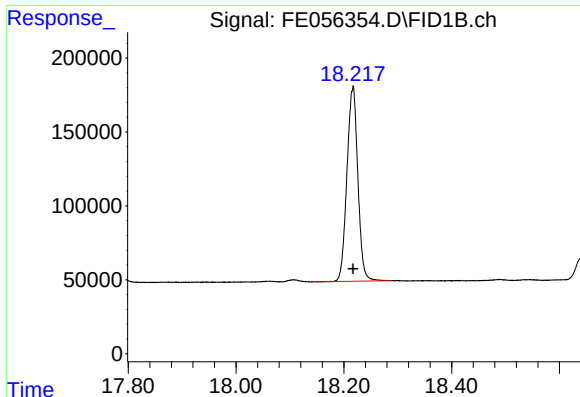
#15 n-Hexacosane (C26)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1812019
Conc: 11.39 ug/ml



#16 n-Octacosane (C28)

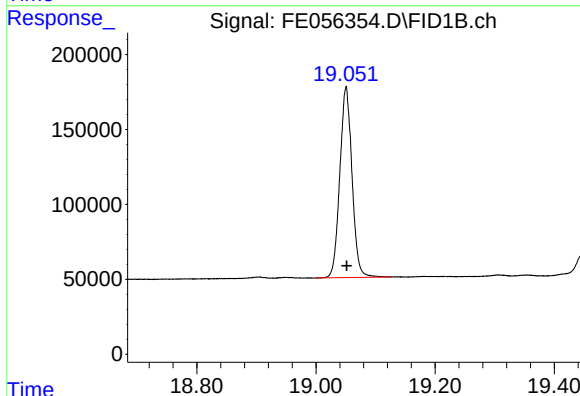
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1800062
Conc: 11.63 ug/ml



#17 n-Tricontane (C30)

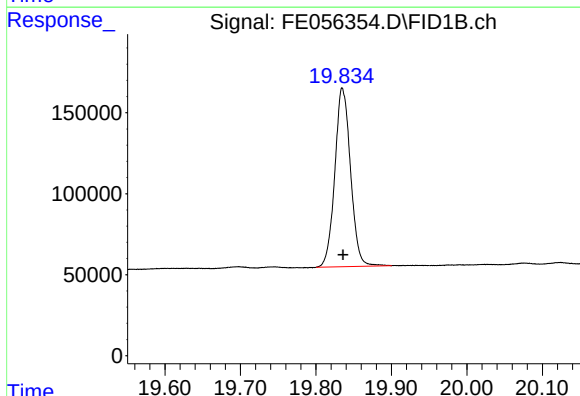
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 1850780
Conc: 11.82 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



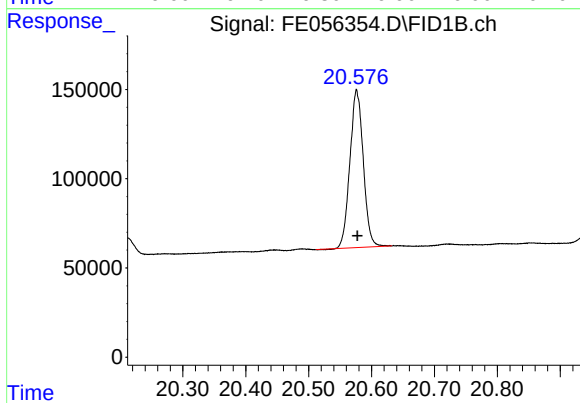
#18 n-Dotriacontane (C32)

R.T.: 19.051 min
Delta R.T.: -0.001 min
Response: 1808728
Conc: 12.06 ug/ml



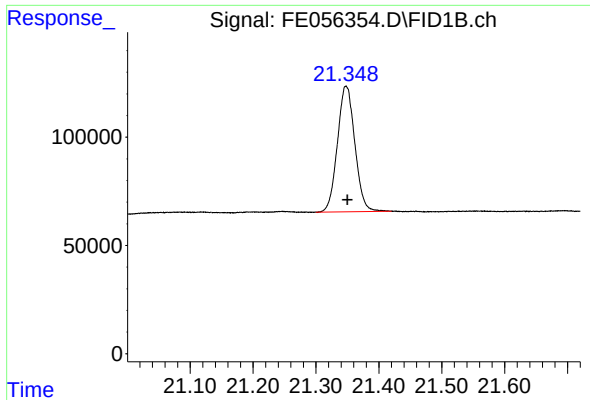
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: 0.000 min
Response: 1598424
Conc: 11.82 ug/ml



#20 n-Hexatriacontane (C36)

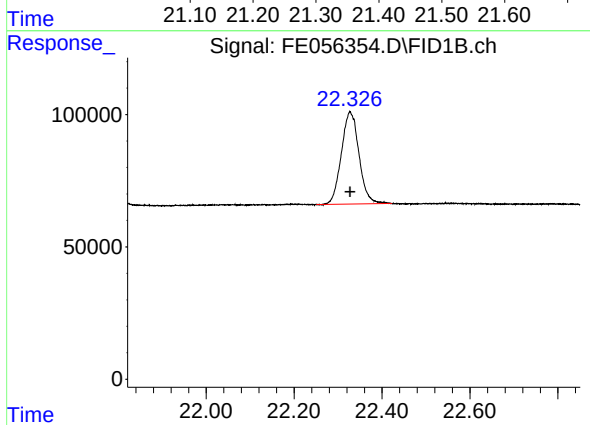
R.T.: 20.577 min
Delta R.T.: -0.001 min
Response: 1302225
Conc: 11.31 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: -0.002 min
Response: 1117621
Conc: 11.32 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 970320
Conc: 11.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056354.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 19:00
 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 101725.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	3.399	3.367	3.459	BB	167629	1646705	79.24%	4.477%
2	4.652	4.620	4.725	BB	162847	1655109	79.65%	4.500%
3	6.370	6.337	6.469	BB	158505	1752100	84.31%	4.763%
4	6.825	6.789	6.897	BB	167223	1690409	81.34%	4.596%
5	7.470	7.432	7.575	BB	136944	1629274	78.40%	4.429%
6	8.661	8.625	8.747	BB	147886	1662323	79.99%	4.519%
7	10.276	10.242	10.372	BB	144929	1758484	84.62%	4.781%
8	11.725	11.624	11.805	BB	157967	1854119	89.22%	5.041%
9	12.051	12.017	12.119	BB	188969	2078091	100.00%	5.650%
10	13.040	13.004	13.109	BB	148520	1816244	87.40%	4.938%
11	13.488	13.449	13.564	BB	126739	1545743	74.38%	4.202%
12	13.654	13.612	13.720	BB	143859	1788939	86.09%	4.863%
13	14.243	14.172	14.322	BB	137935	1812465	87.22%	4.927%
14	15.350	15.279	15.422	BB	141816	1832865	88.20%	4.983%
15	16.374	16.337	16.447	BB	132410	1812019	87.20%	4.926%
16	17.327	17.274	17.397	BB	130903	1800062	86.62%	4.894%
17	18.217	18.149	18.289	BB	131211	1850780	89.06%	5.032%
18	19.051	19.000	19.127	BB	127187	1808728	87.04%	4.917%
19	19.835	19.800	19.900	BB	109970	1598424	76.92%	4.346%
20	20.577	20.512	20.632	BB	88050	1302225	62.66%	3.540%
21	21.348	21.300	21.420	BB	58045	1117621	53.78%	3.038%
22	22.327	22.250	22.422	BB	34978	970320	46.69%	2.638%
Sum of corrected areas:						36783049		

Aliphatic EPH 101725.M Fri Oct 17 08:35:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056355.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 19:31
 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: Oct 17 08:24:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

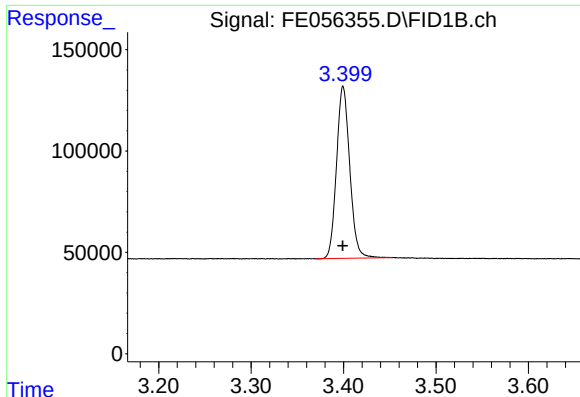
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.050	1074413	5.615 ug/ml
Spiked Amount 50.000		Recovery =	11.23%
12) S 1-chlorooctadecane (S...	13.489	780302	5.443 ug/ml
Spiked Amount 50.000		Recovery =	10.89%
Target Compounds			
1) T n-Nonane (C9)	3.400	845403	5.501 ug/ml
2) T n-Decane (C10)	4.652	837010	5.393 ug/ml
3) T A~Naphthalene (C11.7)	6.371	865601	5.149 ug/ml
4) T n-Dodecane (C12)	6.825	852915	5.410 ug/ml
5) T A~2-methylnaphthalene...	7.471	757610	4.737 ug/ml
6) T n-Tetradecane (C14)	8.662	828658	5.304 ug/ml
7) T n-Hexadecane (C16)	10.277	881705	5.352 ug/ml
8) T n-Octadecane (C18)	11.725	950205	5.561 ug/ml
10) T n-Eicosane (C20)	13.040	945832	5.698 ug/ml
11) T n-Heneicosane (C21)	13.654	928712	5.662 ug/ml
13) T n-Docosane (C22)	14.243	966258	5.944 ug/ml
14) T n-Tetracosane (C24)	15.349	1075389	6.633 ug/ml
15) T n-Hexacosane (C26)	16.373	1073648	6.750 ug/ml
16) T n-Octacosane (C28)	17.325	1103081	7.128 ug/ml
17) T n-Tricontane (C30)	18.215	1157061	7.388 ug/ml
18) T n-Dotriacontane (C32)	19.049	1164202	7.763 ug/ml
19) T n-Tetratriacontane (C34)	19.835	997955	7.383 ug/ml
20) T n-Hexatriacontane (C36)	20.576	769876	6.686 ug/ml
21) T n-Octatriacontane (C38)	21.348	617112	6.253 ug/ml
22) T n-Tetracontane (C40)	22.326	516170	6.038 ug/ml

(f)=RT Delta > 1/2 Window

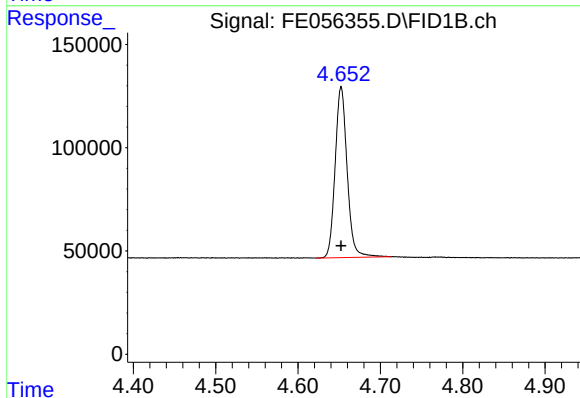
(m)=manual int.



#1 n-Nonane (C9)

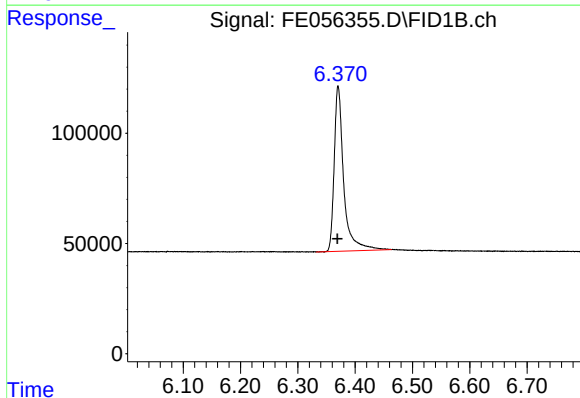
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 845403
Conc: 5.50 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



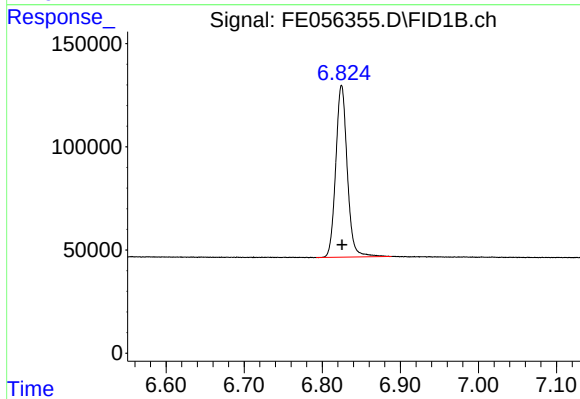
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 837010
Conc: 5.39 ug/ml



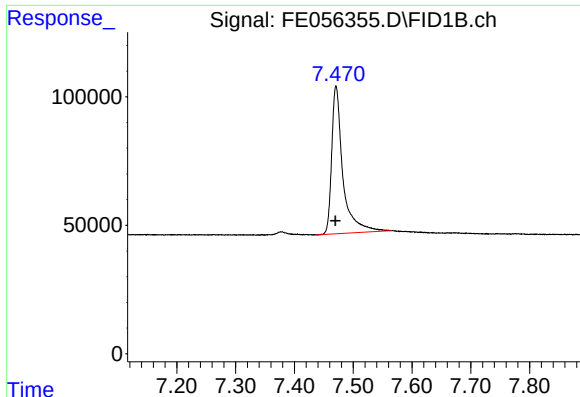
#3 A~Naphthalene (C11.7)

R.T.: 6.371 min
Delta R.T.: 0.002 min
Response: 865601
Conc: 5.15 ug/ml



#4 n-Dodecane (C12)

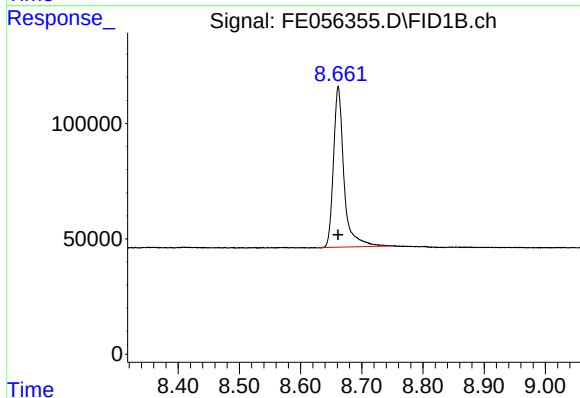
R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 852915
Conc: 5.41 ug/ml



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

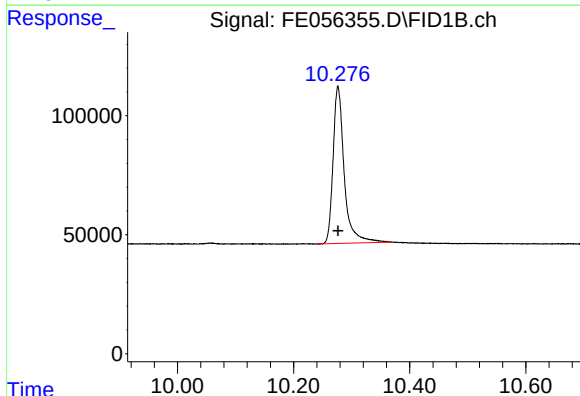
R.T.: 7.471 min
Delta R.T.: 0.001 min
Response: 757610
Conc: 4.74 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



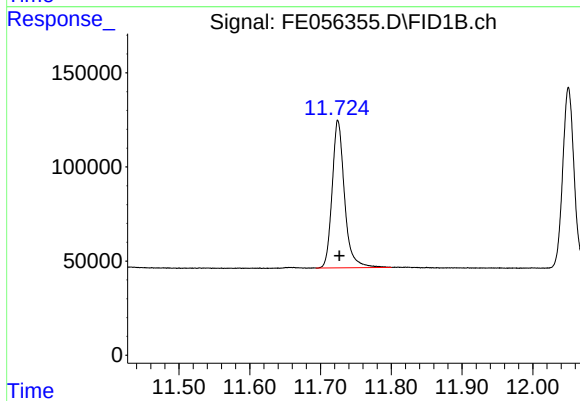
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.000 min
Response: 828658
Conc: 5.30 ug/ml



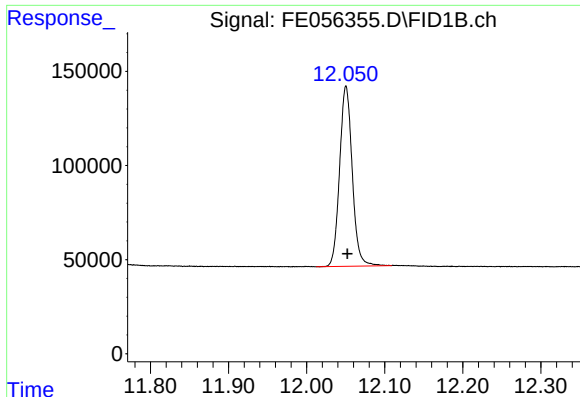
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 881705
Conc: 5.35 ug/ml



#8 n-Octadecane (C18)

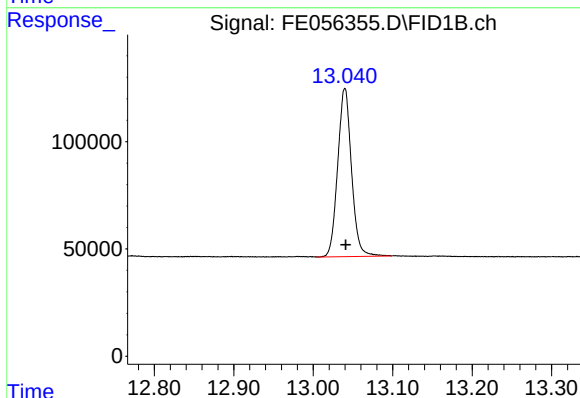
R.T.: 11.725 min
Delta R.T.: -0.002 min
Response: 950205
Conc: 5.56 ug/ml



#9 ortho-Terphenyl (SURR)

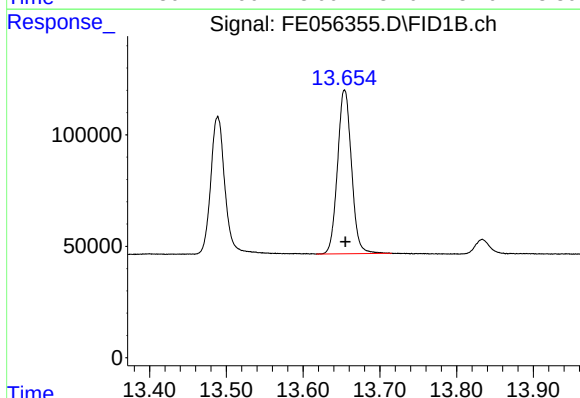
R.T.: 12.050 min
Delta R.T.: -0.002 min
Response: 1074413
Conc: 5.62 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



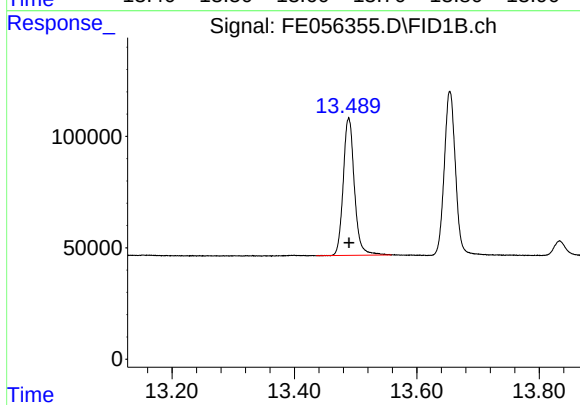
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: -0.001 min
Response: 945832
Conc: 5.70 ug/ml



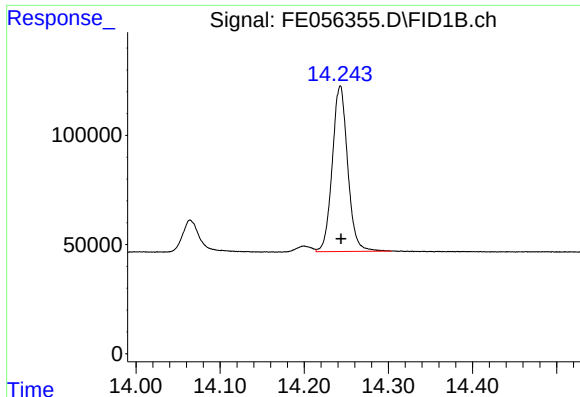
#11 n-Heneicosane (C21)

R.T.: 13.654 min
Delta R.T.: -0.001 min
Response: 928712
Conc: 5.66 ug/ml



#12 1-chlorooctadecane (SURR)

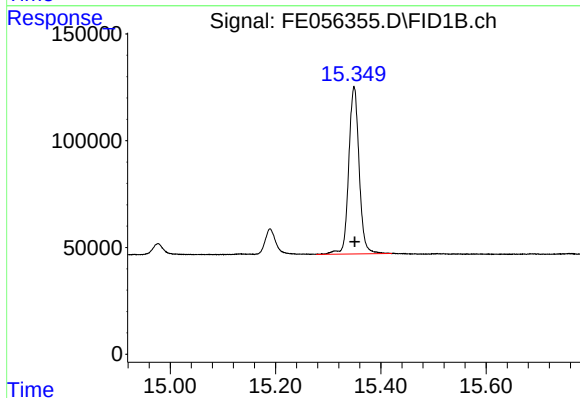
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 780302
Conc: 5.44 ug/ml



#13 n-Docosane (C22)

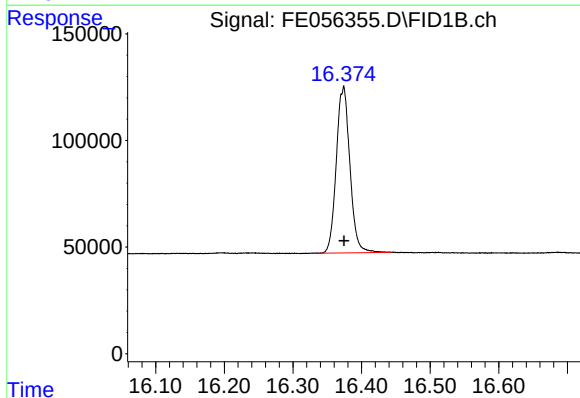
R.T.: 14.243 min
Delta R.T.: -0.001 min
Response: 966258
Conc: 5.94 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



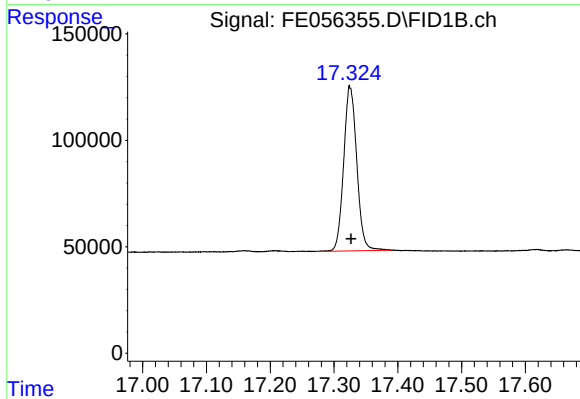
#14 n-Tetracosane (C24)

R.T.: 15.349 min
Delta R.T.: -0.001 min
Response: 1075389
Conc: 6.63 ug/ml



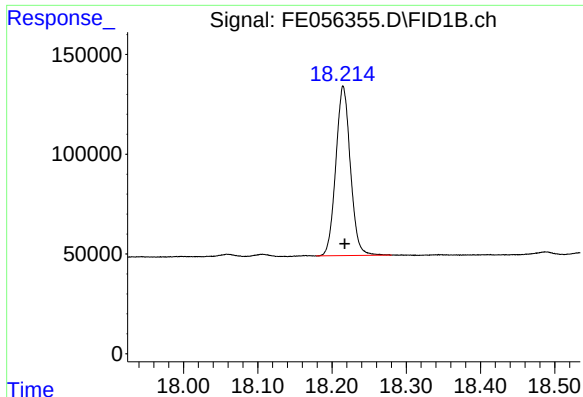
#15 n-Hexacosane (C26)

R.T.: 16.373 min
Delta R.T.: -0.001 min
Response: 1073648
Conc: 6.75 ug/ml



#16 n-Octacosane (C28)

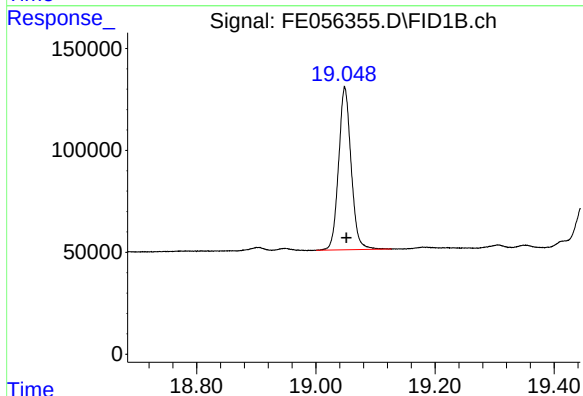
R.T.: 17.325 min
Delta R.T.: -0.001 min
Response: 1103081
Conc: 7.13 ug/ml



#17 n-Tricontane (C30)

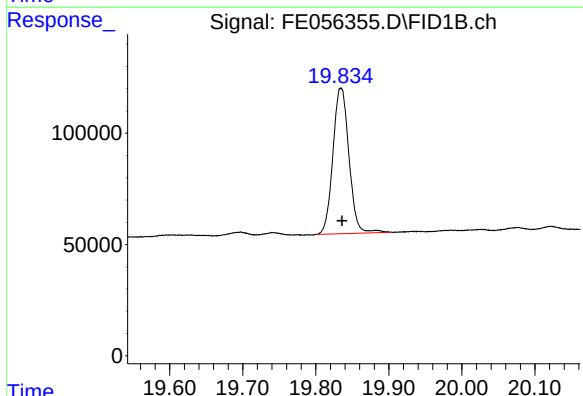
R.T.: 18.215 min
Delta R.T.: -0.002 min
Response: 1157061
Conc: 7.39 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



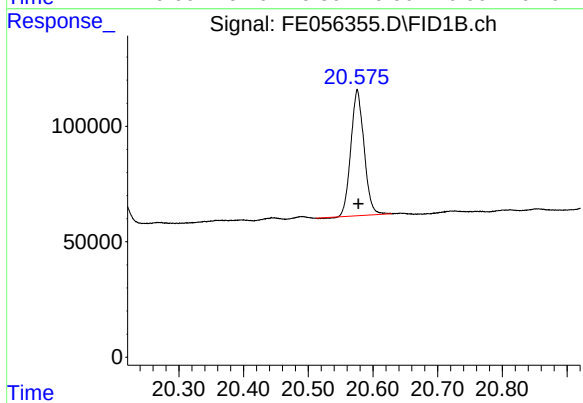
#18 n-Dotriacontane (C32)

R.T.: 19.049 min
Delta R.T.: -0.003 min
Response: 1164202
Conc: 7.76 ug/ml



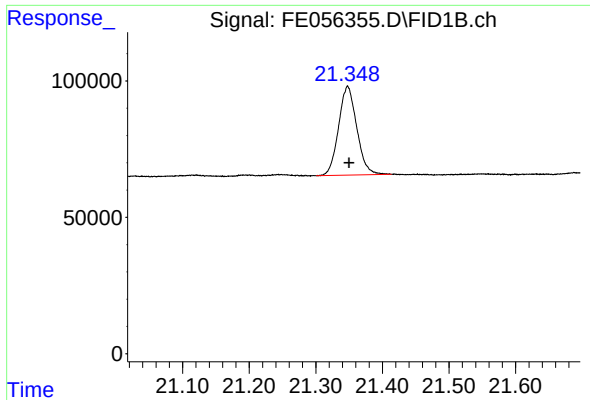
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: -0.001 min
Response: 997955
Conc: 7.38 ug/ml



#20 n-Hexatriacontane (C36)

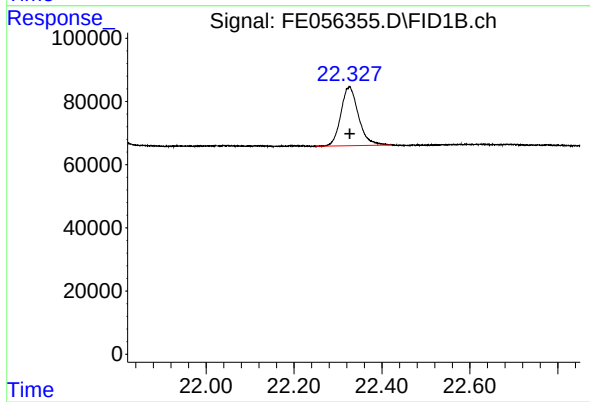
R.T.: 20.576 min
Delta R.T.: -0.002 min
Response: 769876
Conc: 6.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: -0.002 min
Response: 617112
Conc: 6.25 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.326 min
Delta R.T.: -0.002 min
Response: 516170
Conc: 6.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056355.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 19:31
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 101725.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	3.400	3.370	3.452	BB	84573	845403	72.62%	4.229%
2	4.652	4.622	4.714	BB	82659	837010	71.90%	4.187%
3	6.371	6.332	6.464	BB	74821	865601	74.35%	4.330%
4	6.825	6.792	6.889	BB	83405	852915	73.26%	4.267%
5	7.471	7.437	7.565	BB	57573	757610	65.08%	3.790%
6	8.662	8.625	8.749	BB	69512	828658	71.18%	4.146%
7	10.277	10.239	10.369	BB	65933	881705	75.73%	4.411%
8	11.725	11.694	11.800	BB	77863	950205	81.62%	4.754%
9	12.050	12.012	12.109	BB	95775	1074413	92.29%	5.375%
10	13.040	13.004	13.099	BB	78642	945832	81.24%	4.732%
11	13.489	13.435	13.559	BB	61563	780302	67.02%	3.904%
12	13.654	13.617	13.715	BB	73520	928712	79.77%	4.646%
13	14.243	14.214	14.304	VB	75724	966258	83.00%	4.834%
14	15.349	15.277	15.420	BB	78509	1075389	92.37%	5.380%
15	16.373	16.334	16.444	BB	78130	1073648	92.22%	5.371%
16	17.325	17.272	17.390	BB	76319	1103081	94.75%	5.518%
17	18.215	18.179	18.280	BB	84928	1157061	99.39%	5.788%
18	19.049	19.000	19.127	BB	79842	1164202	100.00%	5.824%
19	19.835	19.800	19.904	BB	65419	997955	85.72%	4.992%
20	20.576	20.512	20.629	BB	54672	769876	66.13%	3.851%
21	21.348	21.300	21.414	BB	32615	617112	53.01%	3.087%
22	22.326	22.250	22.422	BB	18646	516170	44.34%	2.582%
Sum of corrected areas:							19989119	

Aliphatic EPH 101725.M Fri Oct 17 08:35:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056356.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 20:01
 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: Oct 17 08:38:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:31:49 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)	12.052	3949794	19.334 ug/ml
Spiked Amount 50.000		Recovery =	38.67%
12) S 1-chlorooctadecane (S...	13.489	2945133	19.302 ug/ml
Spiked Amount 50.000		Recovery =	38.60%
Target Compounds			
1) T n-Nonane (C9)	3.399	3229626	19.814 ug/ml
2) T n-Decane (C10)	4.652	3251290	19.771 ug/ml
3) T A~Naphthalene (C11.7)	6.369	3508004	19.844 ug/ml
4) T n-Dodecane (C12)	6.825	3303881	19.692 ug/ml
5) T A~2-methylnaphthalene...	7.470	3357383	20.149 ug/ml
6) T n-Tetradecane (C14)	8.662	3263139	19.642 ug/ml
7) T n-Hexadecane (C16)	10.277	3411575	19.499 ug/ml
8) T n-Octadecane (C18)	11.726	3525888	19.329 ug/ml
10) T n-Eicosane (C20)	13.040	3421073	19.214 ug/ml
11) T n-Heneicosane (C21)	13.654	3380745	19.269 ug/ml
13) T n-Docosane (C22)	14.243	3347619	18.912 ug/ml
14) T n-Tetracosane (C24)	15.350	3333057	18.320 ug/ml
15) T n-Hexacosane (C26)	16.374	3273041	18.233 ug/ml
16) T n-Octacosane (C28)	17.326	3193103	17.949 ug/ml
17) T n-Tricontane (C30)	18.216	3242704	17.860 ug/ml
18) T n-Dotriacontane (C32)	19.050	3153184	17.885 ug/ml
19) T n-Tetratriacontane (C34)	19.835	2883877	18.630 ug/ml
20) T n-Hexatriacontane (C36)	20.578	2529671	20.248 ug/ml
21) T n-Octatriacontane (C38)	21.347	2185918	20.922 ug/ml
22) T n-Tetracontane (C40)	22.324	1935013	21.324 ug/ml

(f)=RT Delta > 1/2 Window

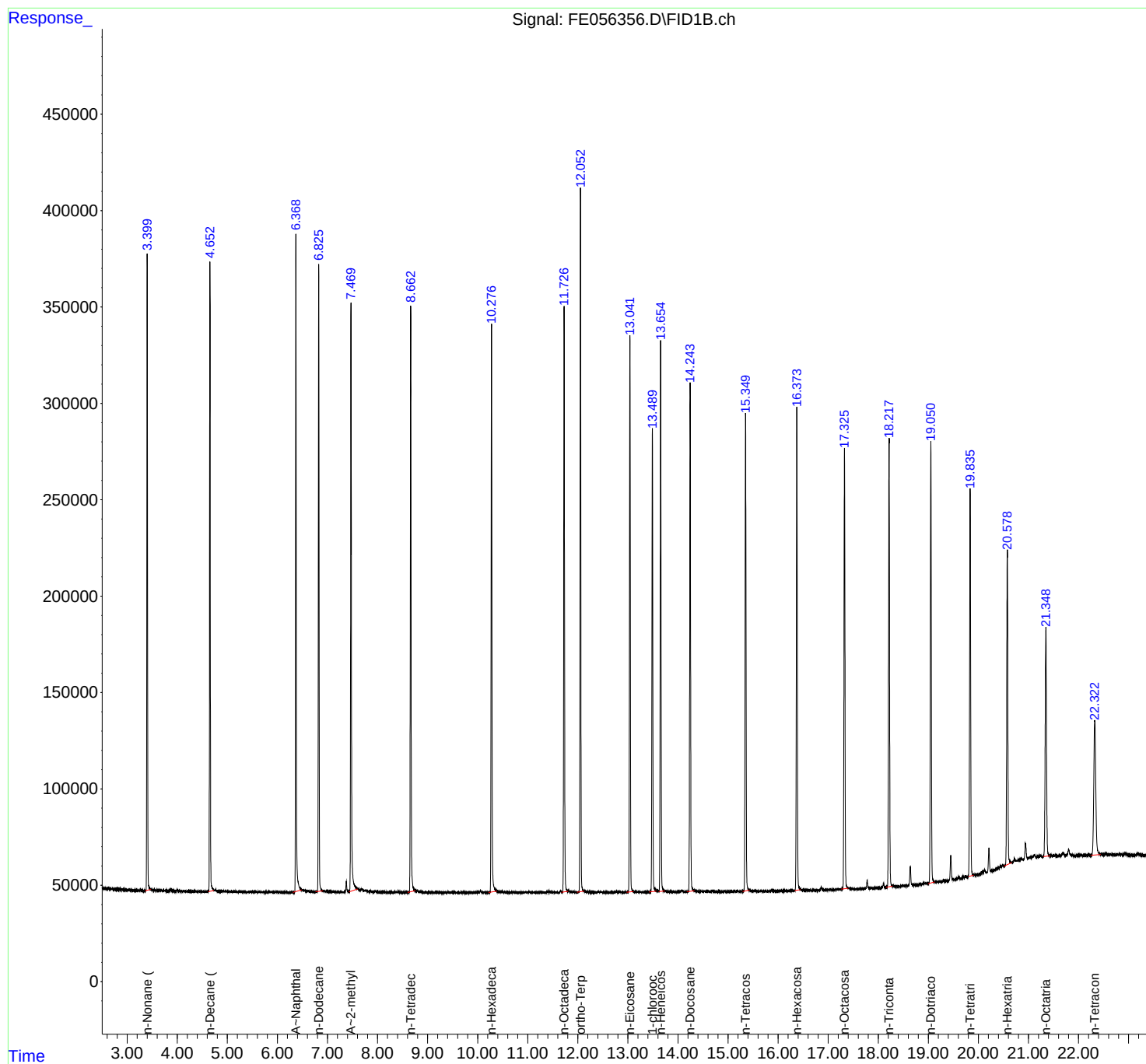
(m)=manual int.

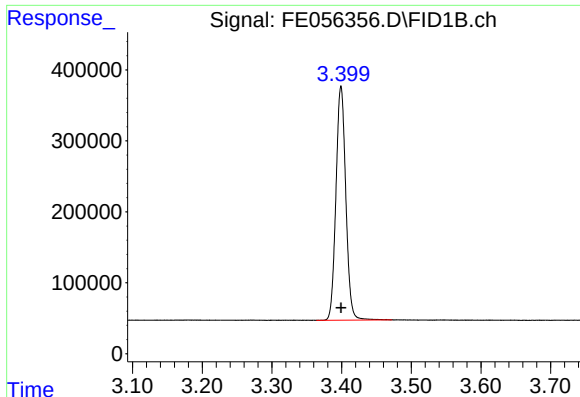
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056356.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 20:01
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 17 08:38:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:31:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

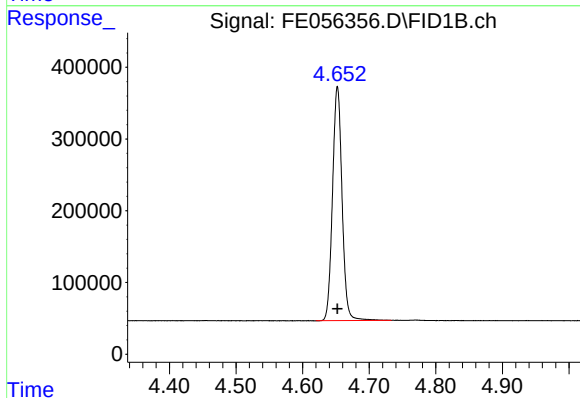




#1 n-Nonane (C9)

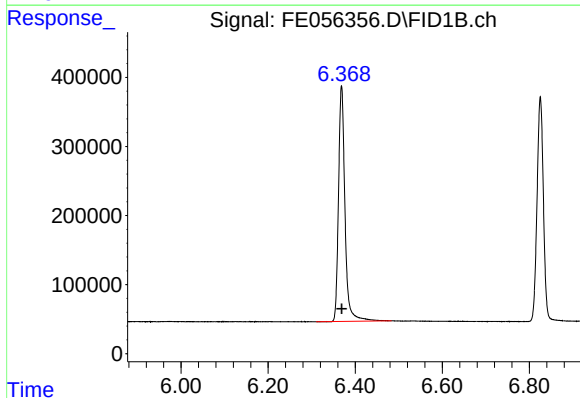
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 3229626
Conc: 19.81 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



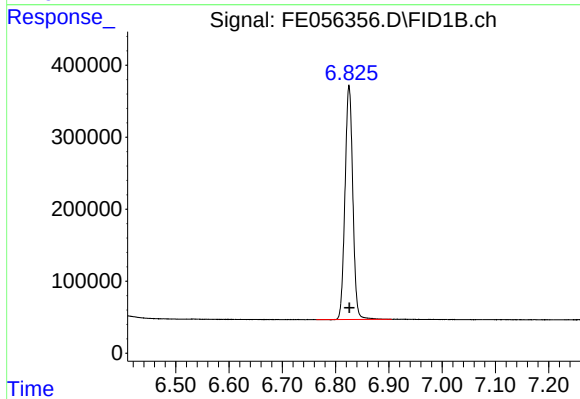
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 3251290
Conc: 19.77 ug/ml



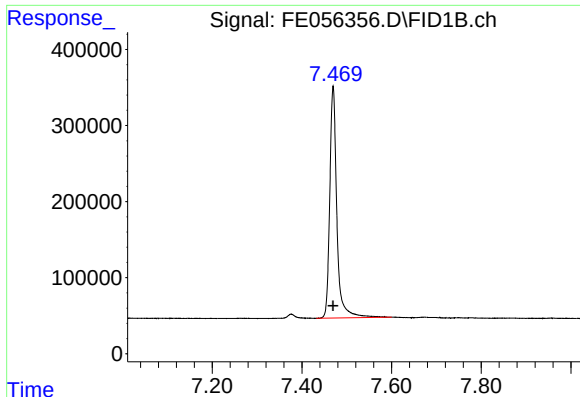
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min
Delta R.T.: 0.000 min
Response: 3508004
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

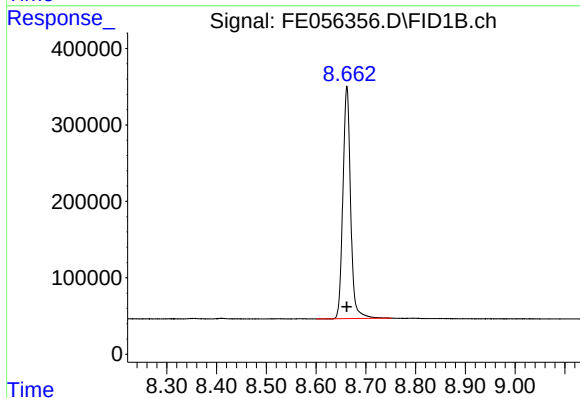
R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 3303881
Conc: 19.69 ug/ml



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

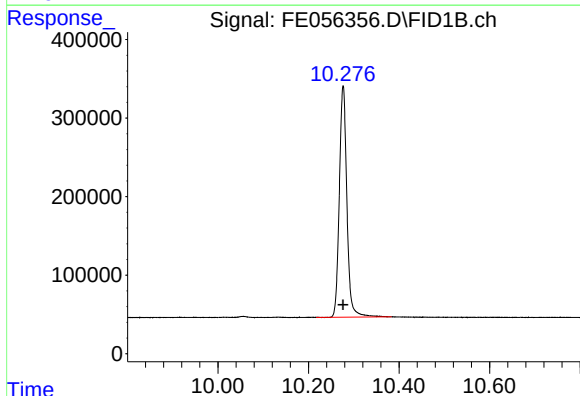
R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 3357383
Conc: 20.15 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



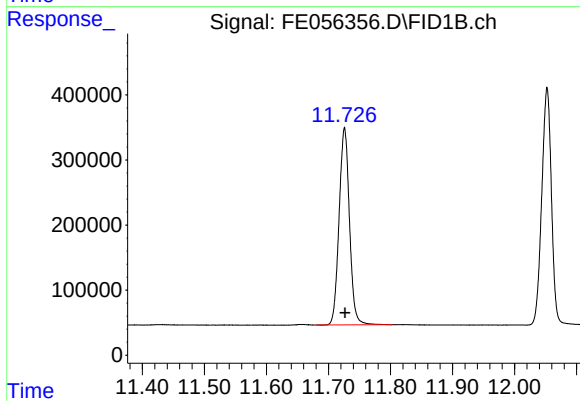
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.000 min
Response: 3263139
Conc: 19.64 ug/ml



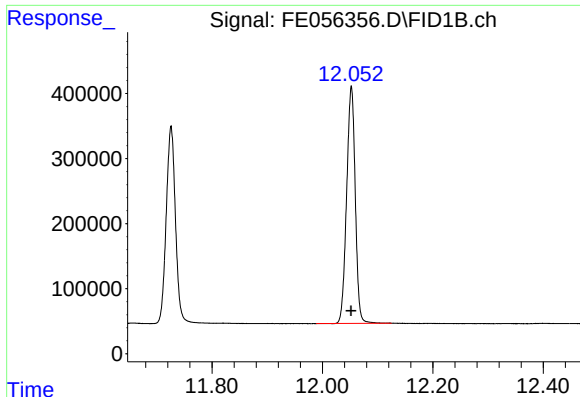
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 3411575
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.726 min
Delta R.T.: 0.000 min
Response: 3525888
Conc: 19.33 ug/ml



#9 ortho-Terphenyl (SURR)

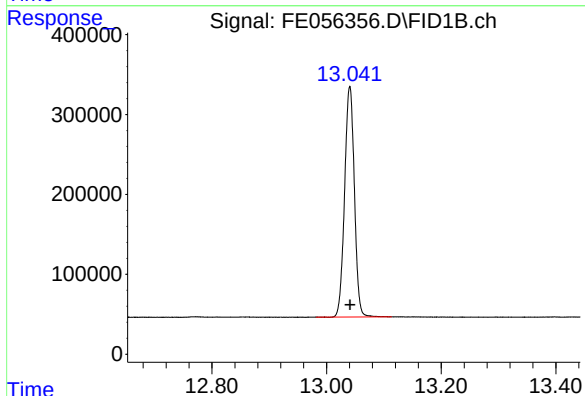
R.T.: 12.052 min
Delta R.T.: 0.000 min
Response: 3949794
Conc: 19.33 ug/ml

Instrument :

FID_E

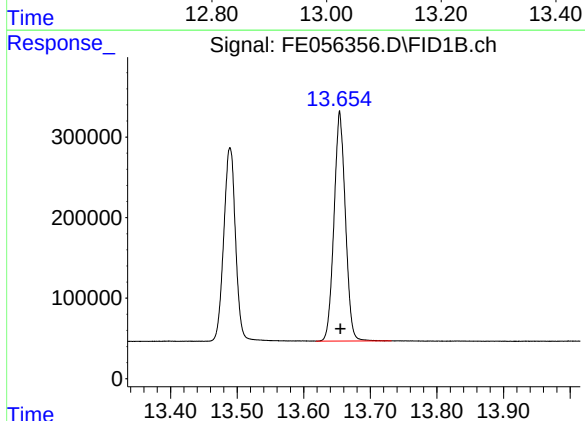
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



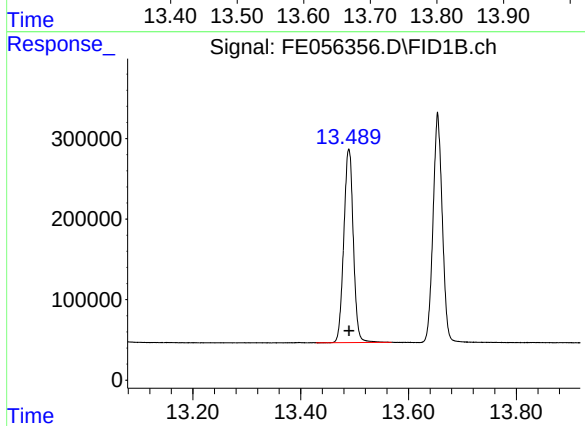
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 3421073
Conc: 19.21 ug/ml



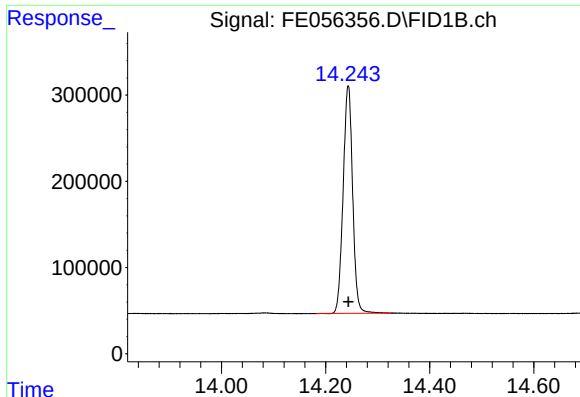
#11 n-Heneicosane (C21)

R.T.: 13.654 min
Delta R.T.: -0.001 min
Response: 3380745
Conc: 19.27 ug/ml



#12 1-chlorooctadecane (SURR)

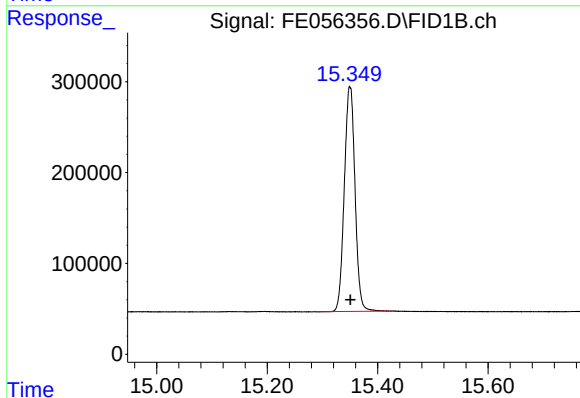
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 2945133
Conc: 19.30 ug/ml



#13 n-Docosane (C22)

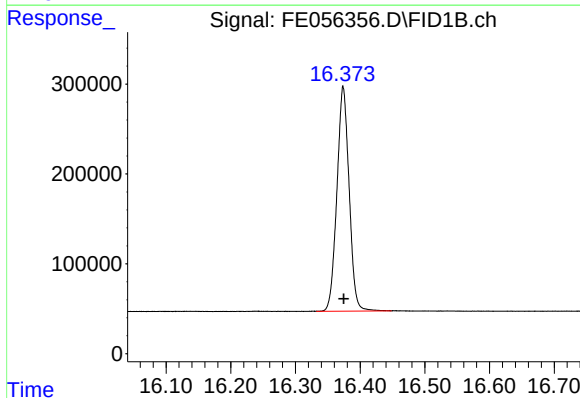
R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 3347619
Conc: 18.91 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



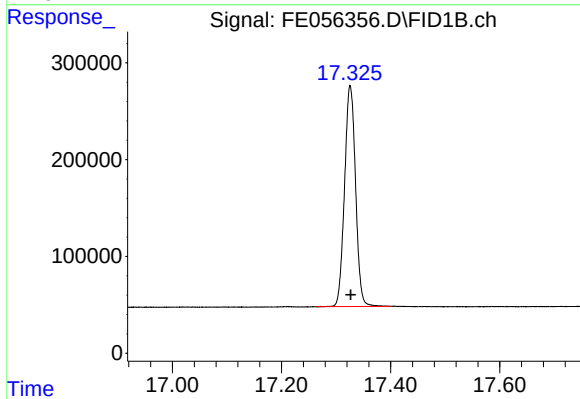
#14 n-Tetracosane (C24)

R.T.: 15.350 min
Delta R.T.: 0.000 min
Response: 3333057
Conc: 18.32 ug/ml



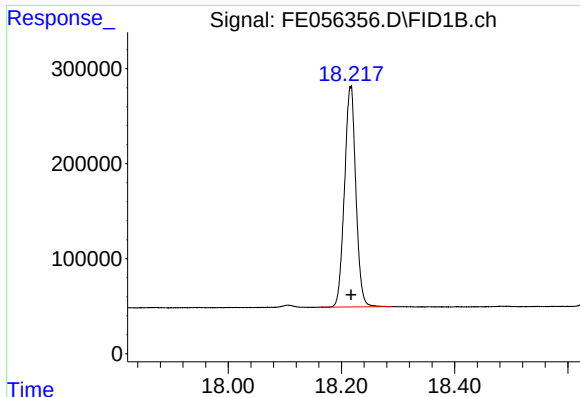
#15 n-Hexacosane (C26)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 3273041
Conc: 18.23 ug/ml



#16 n-Octacosane (C28)

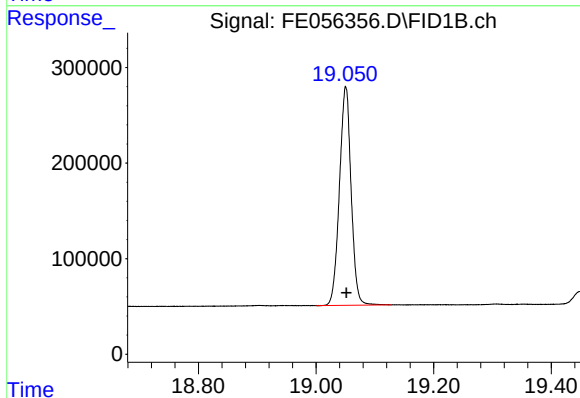
R.T.: 17.326 min
Delta R.T.: 0.000 min
Response: 3193103
Conc: 17.95 ug/ml



#17 n-Tricontane (C30)

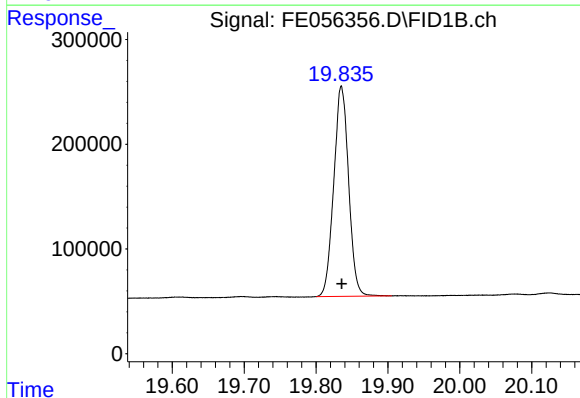
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 3242704
Conc: 17.86 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



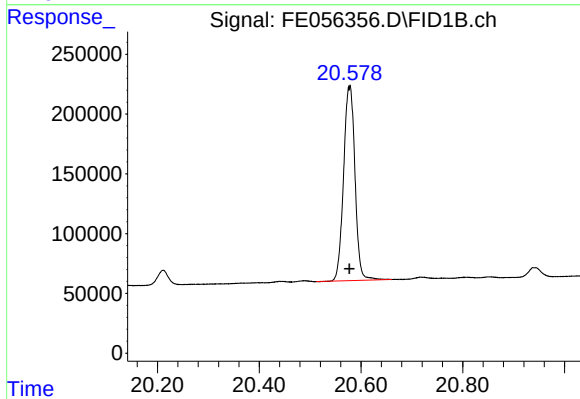
#18 n-Dotriacontane (C32)

R.T.: 19.050 min
Delta R.T.: -0.001 min
Response: 3153184
Conc: 17.89 ug/ml



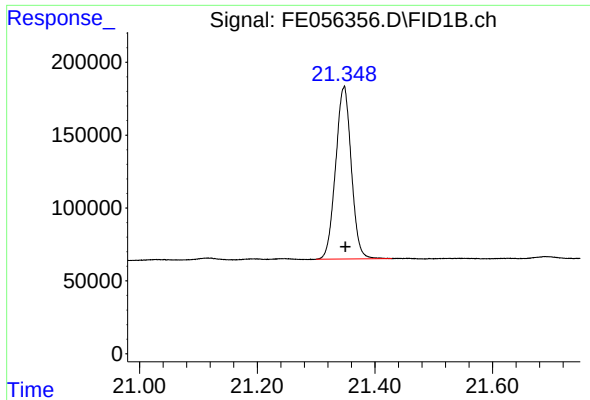
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: 0.000 min
Response: 2883877
Conc: 18.63 ug/ml



#20 n-Hexatriacontane (C36)

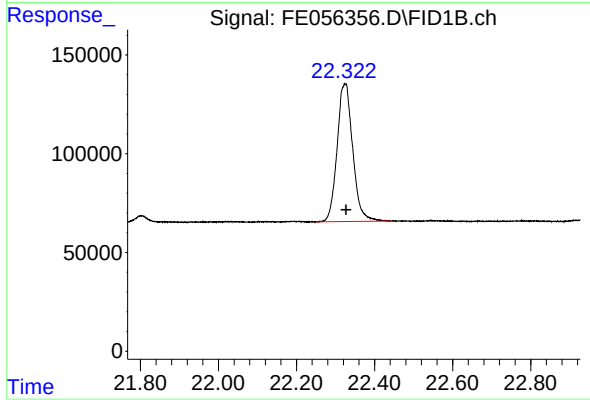
R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 2529671
Conc: 20.25 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.347 min
Delta R.T.: -0.003 min
Response: 2185918
Conc: 20.92 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.324 min
Delta R.T.: -0.003 min
Response: 1935013
Conc: 21.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056356.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 20:01
 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 101725.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	3.399	3.364	3.472	BB	329383	3229626	81.77%	4.639%
2	4.652	4.620	4.734	BB	326792	3251290	82.32%	4.670%
3	6.369	6.310	6.484	BB	340988	3508004	88.81%	5.038%
4	6.825	6.764	6.905	BB	325042	3303881	83.65%	4.745%
5	7.470	7.432	7.600	BB	305406	3357383	85.00%	4.822%
6	8.662	8.600	8.752	BB	303744	3263139	82.62%	4.687%
7	10.277	10.217	10.384	BB	295339	3411575	86.37%	4.900%
8	11.726	11.680	11.802	BB	303036	3525888	89.27%	5.064%
9	12.052	11.989	12.125	BB	364645	3949794	100.00%	5.673%
10	13.040	12.982	13.114	BB	288511	3421073	86.61%	4.914%
11	13.489	13.429	13.569	BB	239866	2945133	74.56%	4.230%
12	13.654	13.619	13.732	BB	284673	3380745	85.59%	4.856%
13	14.243	14.182	14.327	BB	264305	3347619	84.75%	4.808%
14	15.350	15.289	15.425	BB	246764	3333057	84.39%	4.787%
15	16.374	16.332	16.449	BB	250306	3273041	82.87%	4.701%
16	17.326	17.264	17.402	BB	228409	3193103	80.84%	4.586%
17	18.216	18.155	18.289	BB	232756	3242704	82.10%	4.657%
18	19.050	19.000	19.129	BB	229356	3153184	79.83%	4.529%
19	19.835	19.800	19.905	BB	200556	2883877	73.01%	4.142%
20	20.578	20.512	20.660	BB	160867	2529671	64.05%	3.633%
21	21.347	21.300	21.429	BB	117716	2185918	55.34%	3.140%
22	22.324	22.250	22.444	BB	69158	1935013	48.99%	2.779%
Sum of corrected areas:						69624716		

Aliphatic EPH 101725.M Fri Oct 17 08:49:01 2025