

Initial Calibration Report for SequenceID : FE051425AL

AreaCount

Parameter Range	FE053808.D	FE053809.D	FE053810.D	FE053811.D	FE053812.D	
Aliphatic C9-C12	39959813.000	19674422.000	8359998.000	4302314.000	1960657.000	
Aliphatic C12-C16	26366047.000	13009283.000	5535375.000	2847096.000	1320454.000	
Aliphatic C16-C21	38070913.000	18853668.000	8070214.000	4192256.000	1990718.000	
Aliphatic C21-C28	47420227.000	23538252.000	10118575.000	5271396.000	2527516.000	
Aliphatic C28-C40	66668035.000	32845865.000	13960092.000	7254782.000	3579221.000	
Aliphatic EPH	218485035.000	107921490.000	46044254.000	23867844.000	11378566.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	135563.2846662	4.112				
Aliphatic C12-C16	134941.528	3.858				
Aliphatic C16-C21	131910.8259996	4.362				
Aliphatic C21-C28	124176.943	4.794				
Aliphatic C28-C40	115430.8216662	4.329				
Aliphatic EPH	125644.338333	4.08				

Concentration

Parameter Range	FE053808.D	FE053809.D	FE053810.D	FE053811.D	FE053812.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	FE053808.D	FE053809.D	FE053810.D	FE053811.D	FE053812.D	
Aliphatic C9-C12	133199.376666	131162.813333	139333.300000	143410.466666	130710.466666	
Aliphatic C12-C16	131830.235000	130092.830000	138384.375000	142354.800000	132045.400000	
Aliphatic C16-C21	126903.043333	125691.120000	134503.566666	139741.866666	132714.533333	

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Aliphatic C21-C28	118550.567500	117691.260000	126482.187500	131784.900000	126375.800000	
Aliphatic C28-C40	111113.391666	109486.216666	116334.100000	120913.033333	119307.366666	
Aliphatic EPH	121380.575000	119912.766666	127900.705555	132599.133333	126428.511111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053808.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 09:48
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: May 14 11:25:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 11:25:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.859	15622587	97.090 ug/ml
Spiked Amount 50.000		Recovery =	194.18%
12) S 1-chlorooctadecane (S...	13.301	11527656	97.613 ug/ml
Spiked Amount 50.000		Recovery =	195.23%
Target Compounds			
1) T n-Nonane (C9)	3.207	13229979	97.672 ug/ml
2) T n-Decane (C10)	4.467	13310707	97.863 ug/ml
3) T A~Naphthalene (C11.7)	6.178	14593700	98.691 ug/ml
4) T n-Dodecane (C12)	6.648	13419127	97.713 ug/ml
5) T A~2-methylnaphthalene...	7.281	14358544	99.848 ug/ml
6) T n-Tetradecane (C14)	8.483	13205545	97.636 ug/ml
7) T n-Hexadecane (C16)	10.095	13160502	97.513 ug/ml
8) T n-Octadecane (C18)	11.545	12994768	97.106 ug/ml
10) T n-Eicosane (C20)	12.856	12623579	97.039 ug/ml
11) T n-Heneicosane (C21)	13.470	12452566	97.133 ug/ml
13) T n-Docosane (C22)	14.057	12254031	97.017 ug/ml
14) T n-Tetracosane (C24)	15.162	11992847	96.920 ug/ml
15) T n-Hexacosane (C26)	16.185	11715780	96.770 ug/ml
16) T n-Octacosane (C28)	17.137	11457569	96.322 ug/ml
17) T n-Tricontane (C30)	18.026	11534739	95.965 ug/ml
18) T n-Dotriacontane (C32)	18.861	11494537	95.725 ug/ml
19) T n-Tetratriacontane (C34)	19.646	11142260	96.303 ug/ml
20) T n-Hexatriacontane (C36)	20.389	11127425	97.592 ug/ml
21) T n-Octatriacontane (C38)	21.121	10825017	99.117 ug/ml
22) T n-Tetracontane (C40)	22.020	10544057	102.240 ug/ml

(f)=RT Delta > 1/2 Window

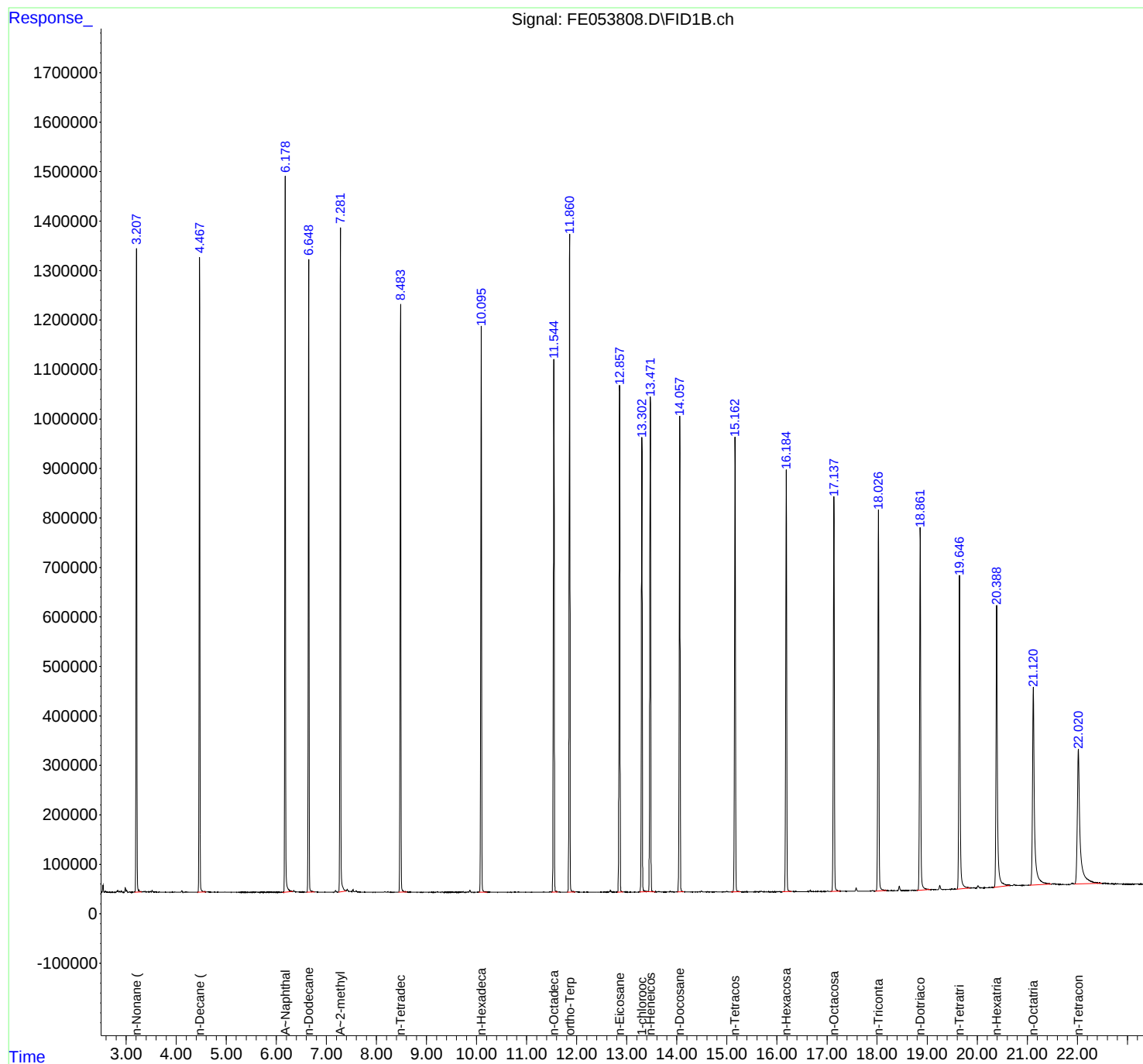
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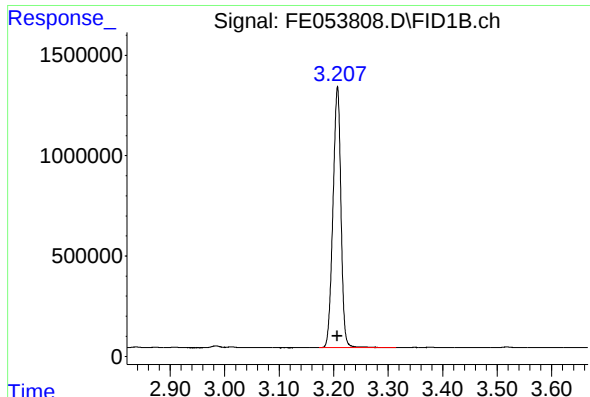
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Data File : FE053808.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 09:48
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: May 14 11:25:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
Quant Title : GC Extractables
QLast Update : Wed May 14 11:25:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

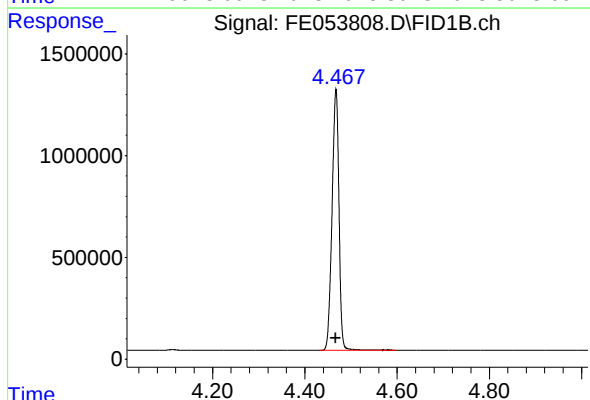




#1 n-Nonane (C9)

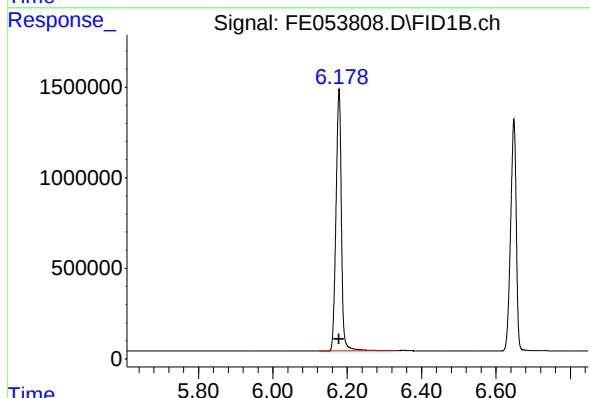
R.T.: 3.207 min
Delta R.T.: 0.000 min
Response: 13229979
Conc: 97.67 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



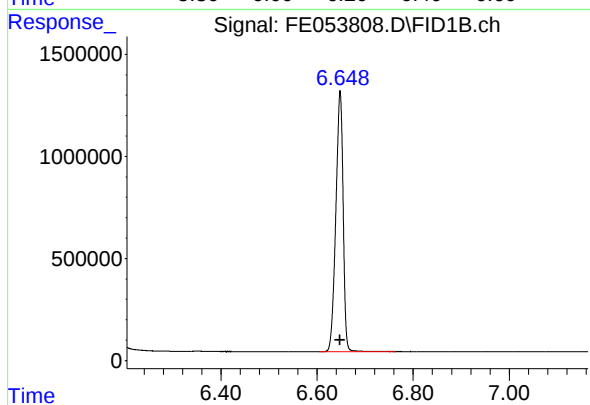
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: 0.000 min
Response: 13310707
Conc: 97.86 ug/ml



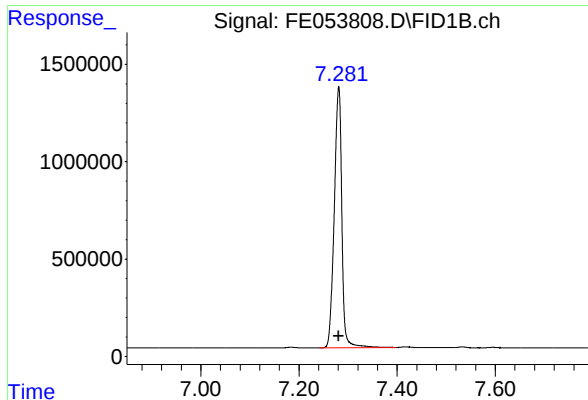
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 14593700
Conc: 98.69 ug/ml



#4 n-Dodecane (C12)

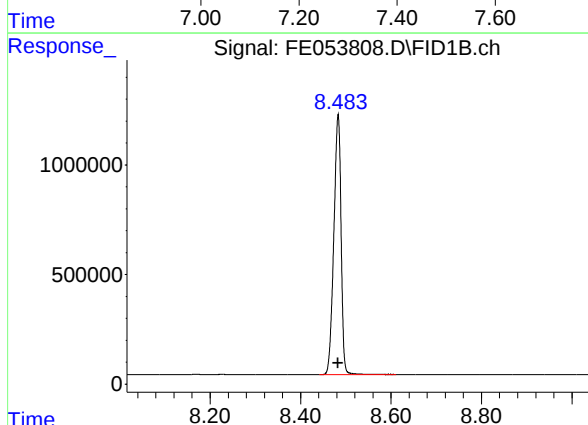
R.T.: 6.648 min
Delta R.T.: 0.000 min
Response: 13419127
Conc: 97.71 ug/ml



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

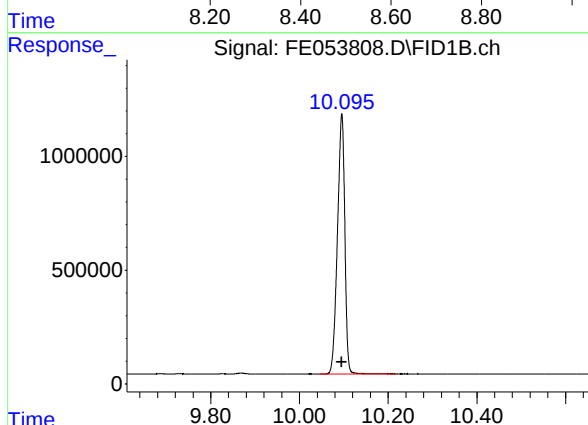
R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 14358544
Conc: 99.85 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



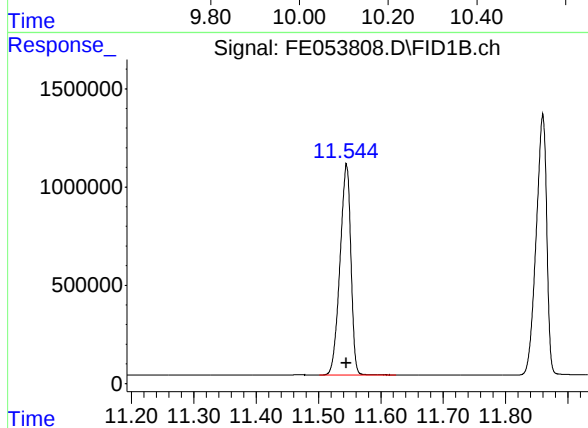
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 13205545
Conc: 97.64 ug/ml



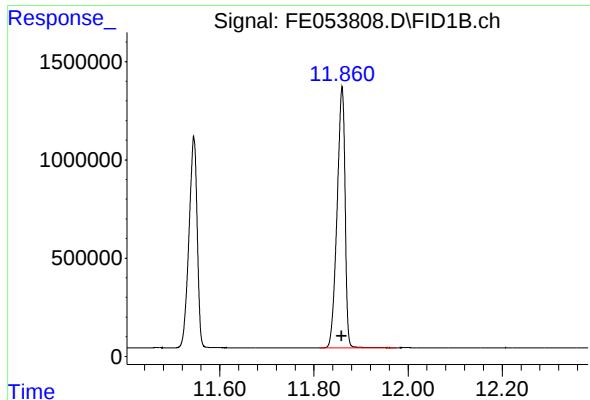
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: 0.000 min
Response: 13160502
Conc: 97.51 ug/ml



#8 n-Octadecane (C18)

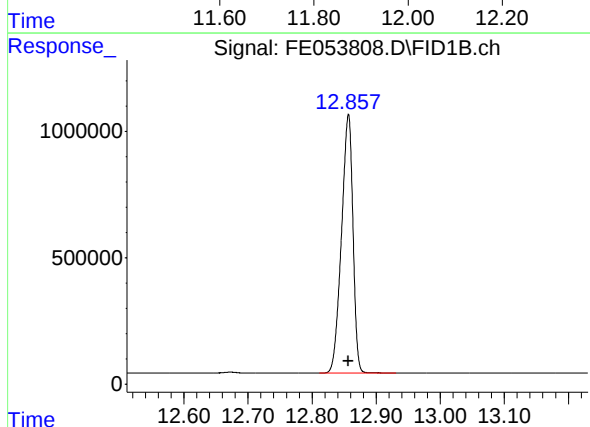
R.T.: 11.545 min
Delta R.T.: 0.000 min
Response: 12994768
Conc: 97.11 ug/ml



#9 ortho-Terphenyl (SURR)

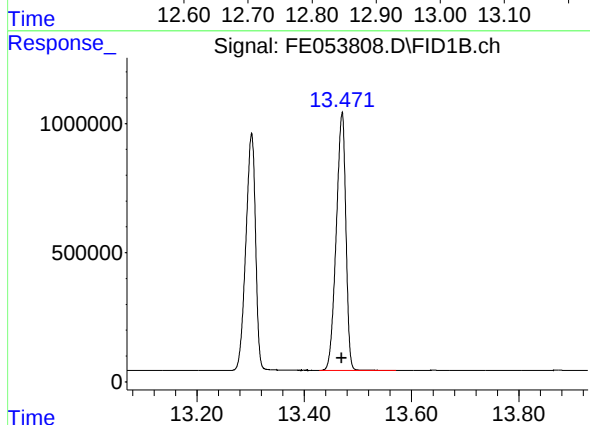
R.T.: 11.859 min
Delta R.T.: 0.000 min
Response: 15622587
Conc: 97.09 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



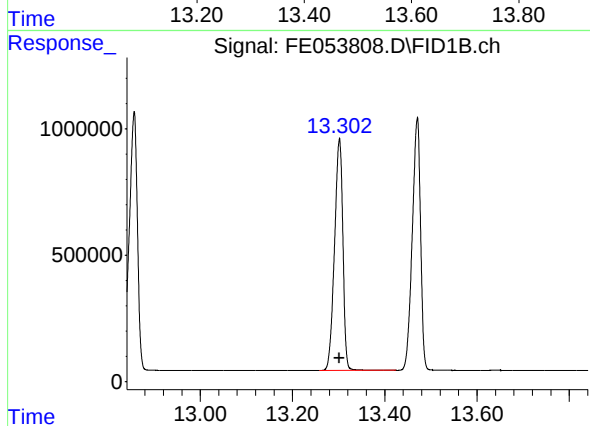
#10 n-Eicosane (C20)

R.T.: 12.856 min
Delta R.T.: 0.000 min
Response: 12623579
Conc: 97.04 ug/ml



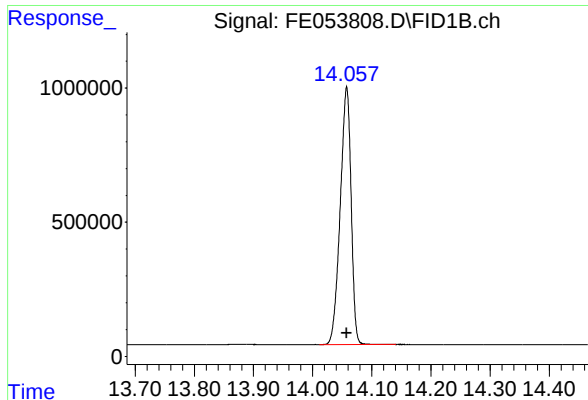
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: 0.000 min
Response: 12452566
Conc: 97.13 ug/ml



#12 1-chlorooctadecane (SURR)

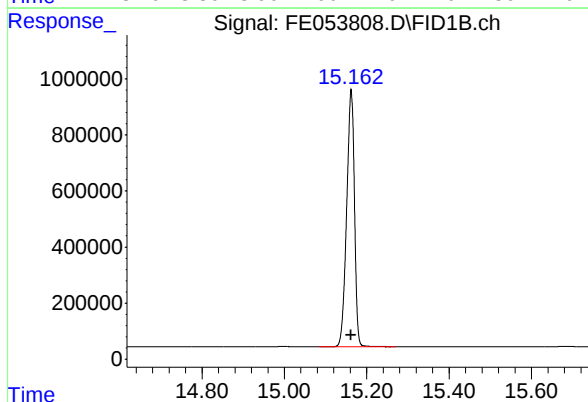
R.T.: 13.301 min
Delta R.T.: 0.000 min
Response: 11527656
Conc: 97.61 ug/ml



#13 n-Docosane (C22)

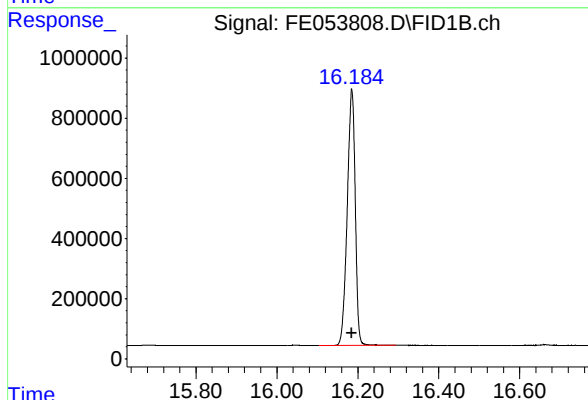
R.T.: 14.057 min
Delta R.T.: 0.000 min
Response: 12254031
Conc: 97.02 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



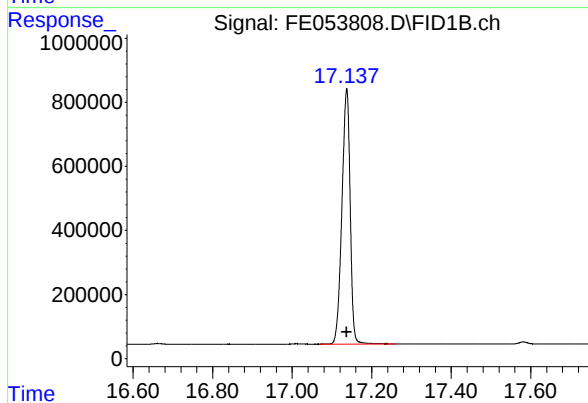
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: 0.000 min
Response: 11992847
Conc: 96.92 ug/ml



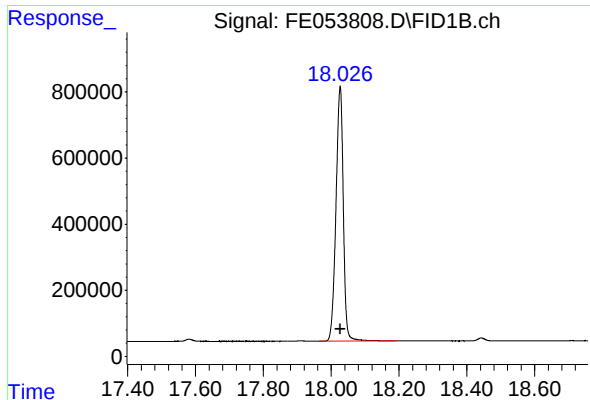
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: 0.000 min
Response: 11715780
Conc: 96.77 ug/ml



#16 n-Octacosane (C28)

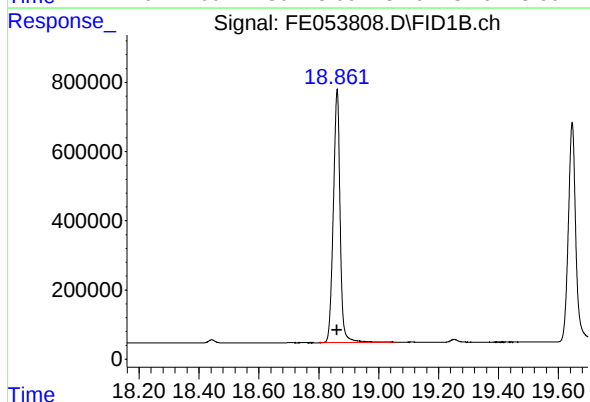
R.T.: 17.137 min
Delta R.T.: 0.000 min
Response: 11457569
Conc: 96.32 ug/ml



#17 n-Tricontane (C30)

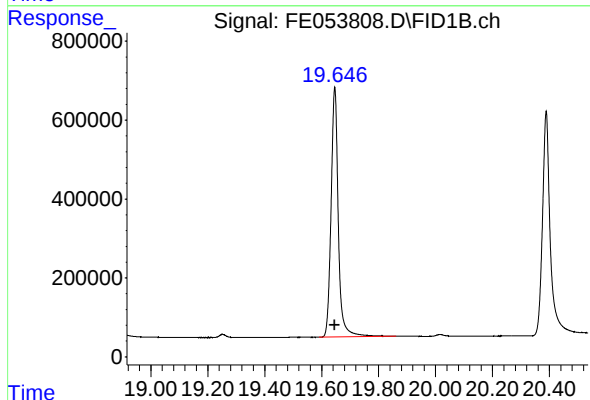
R.T.: 18.026 min
Delta R.T.: 0.000 min
Response: 11534739
Conc: 95.96 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



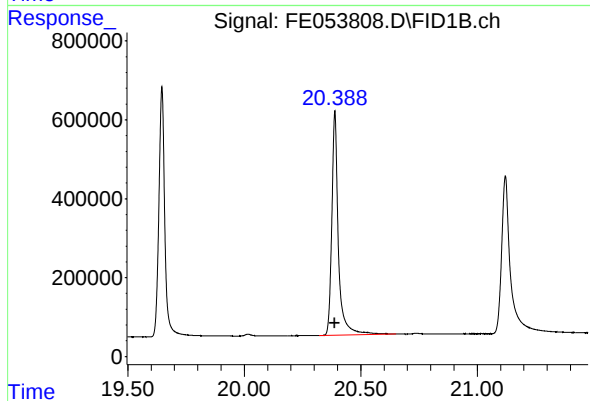
#18 n-Dotriacontane (C32)

R.T.: 18.861 min
Delta R.T.: 0.000 min
Response: 11494537
Conc: 95.72 ug/ml



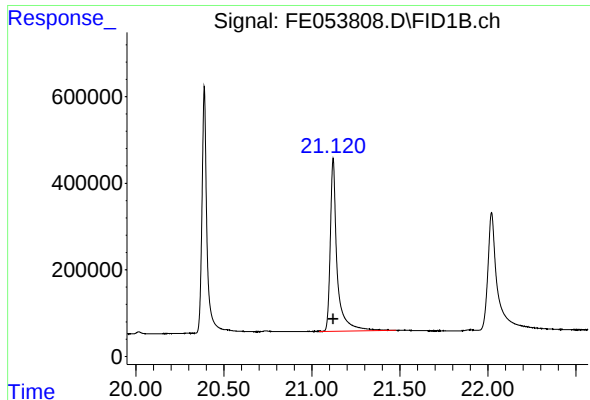
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: 0.000 min
Response: 11142260
Conc: 96.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: 0.000 min
Response: 11127425
Conc: 97.59 ug/ml



#21 n-Octatriacontane (C38)

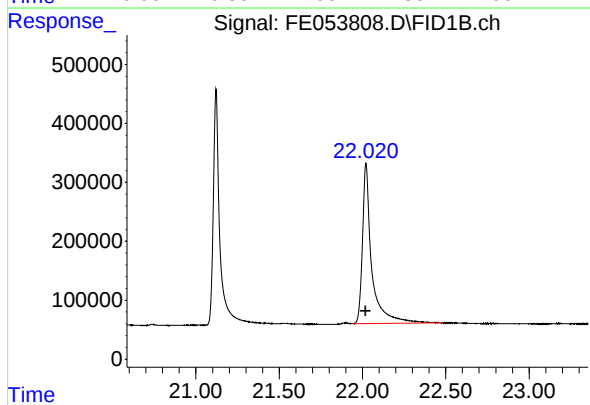
R.T.: 21.121 min
Delta R.T.: 0.000 min
Response: 10825017
Conc: 99.12 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.020 min
Delta R.T.: 0.000 min
Response: 10544057
Conc: 102.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053808.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 09:48
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.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	3.207	3.173	3.314	VB	1307587	13229979	84.68%	4.818%
2	4.467	4.431	4.598	BB	1286918	13310707	85.20%	4.848%
3	6.178	6.124	6.331	BV	1440540	14593700	93.41%	5.315%
4	6.648	6.604	6.764	BB	1276013	13419127	85.90%	4.887%
5	7.281	7.241	7.398	BV	1343925	14358544	91.91%	5.229%
6	8.483	8.441	8.611	BB	1198037	13205545	84.53%	4.809%
7	10.095	10.044	10.218	BB	1136738	13160502	84.24%	4.793%
8	11.545	11.501	11.624	BB	1071894	12994768	83.18%	4.732%
9	11.859	11.811	11.974	BB	1336882	15622587	100.00%	5.689%
10	12.856	12.811	12.931	BB	1033517	12623579	80.80%	4.597%
11	13.301	13.258	13.424	BB	915097	11527656	73.79%	4.198%
12	13.470	13.428	13.571	BB	1006797	12452566	79.71%	4.535%
13	14.057	14.011	14.141	BB	961072	12254031	78.44%	4.463%
14	15.162	15.084	15.271	BB	912379	11992847	76.77%	4.368%
15	16.185	16.104	16.294	BB	851447	11715780	74.99%	4.267%
16	17.137	17.068	17.261	BB	799170	11457569	73.34%	4.173%
17	18.026	17.964	18.191	BB	775081	11534739	73.83%	4.201%
18	18.861	18.801	19.058	BB	732486	11494537	73.58%	4.186%
19	19.646	19.591	19.861	BB	635241	11142260	71.32%	4.058%
20	20.389	20.321	20.651	BB	567956	11127425	71.23%	4.052%
21	21.121	21.041	21.478	BB	400264	10825017	69.29%	3.942%
22	22.020	21.944	22.488	BB	272238	10544057	67.49%	3.840%
Sum of corrected areas:						274587521		

Aliphatic EPH 051425.M Wed May 14 13:24:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053809.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 10:18
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: May 14 11:26:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 11:26:41 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)	11.854	7743091	48.732 ug/ml
Spiked Amount 50.000		Recovery =	97.46%
12) S 1-chlorooctadecane (S...	13.298	5688678	48.765 ug/ml
Spiked Amount 50.000		Recovery =	97.53%
Target Compounds			
1) T n-Nonane (C9)	3.203	6521797	48.750 ug/ml
2) T n-Decane (C10)	4.464	6543240	48.722 ug/ml
3) T A~Naphthalene (C11.7)	6.175	7153409	48.905 ug/ml
4) T n-Dodecane (C12)	6.644	6609385	48.735 ug/ml
5) T A~2-methylnaphthalene...	7.277	6992834	49.077 ug/ml
6) T n-Tetradecane (C14)	8.480	6512008	48.749 ug/ml
7) T n-Hexadecane (C16)	10.092	6497275	48.746 ug/ml
8) T n-Octadecane (C18)	11.539	6432292	48.694 ug/ml
10) T n-Eicosane (C20)	12.852	6253018	48.695 ug/ml
11) T n-Heneicosane (C21)	13.466	6168358	48.727 ug/ml
13) T n-Docosane (C22)	14.053	6073373	48.706 ug/ml
14) T n-Tetracosane (C24)	15.158	5946887	48.690 ug/ml
15) T n-Hexacosane (C26)	16.181	5815252	48.671 ug/ml
16) T n-Octacosane (C28)	17.132	5702740	48.609 ug/ml
17) T n-Tricontane (C30)	18.021	5742679	48.496 ug/ml
18) T n-Dotriacontane (C32)	18.855	5718405	48.389 ug/ml
19) T n-Tetratriacontane (C34)	19.641	5539154	48.563 ug/ml
20) T n-Hexatriacontane (C36)	20.383	5509173	48.866 ug/ml
21) T n-Octatriacontane (C38)	21.116	5288032	48.935 ug/ml
22) T n-Tetracontane (C40)	22.013	5048422	49.296 ug/ml

(f)=RT Delta > 1/2 Window

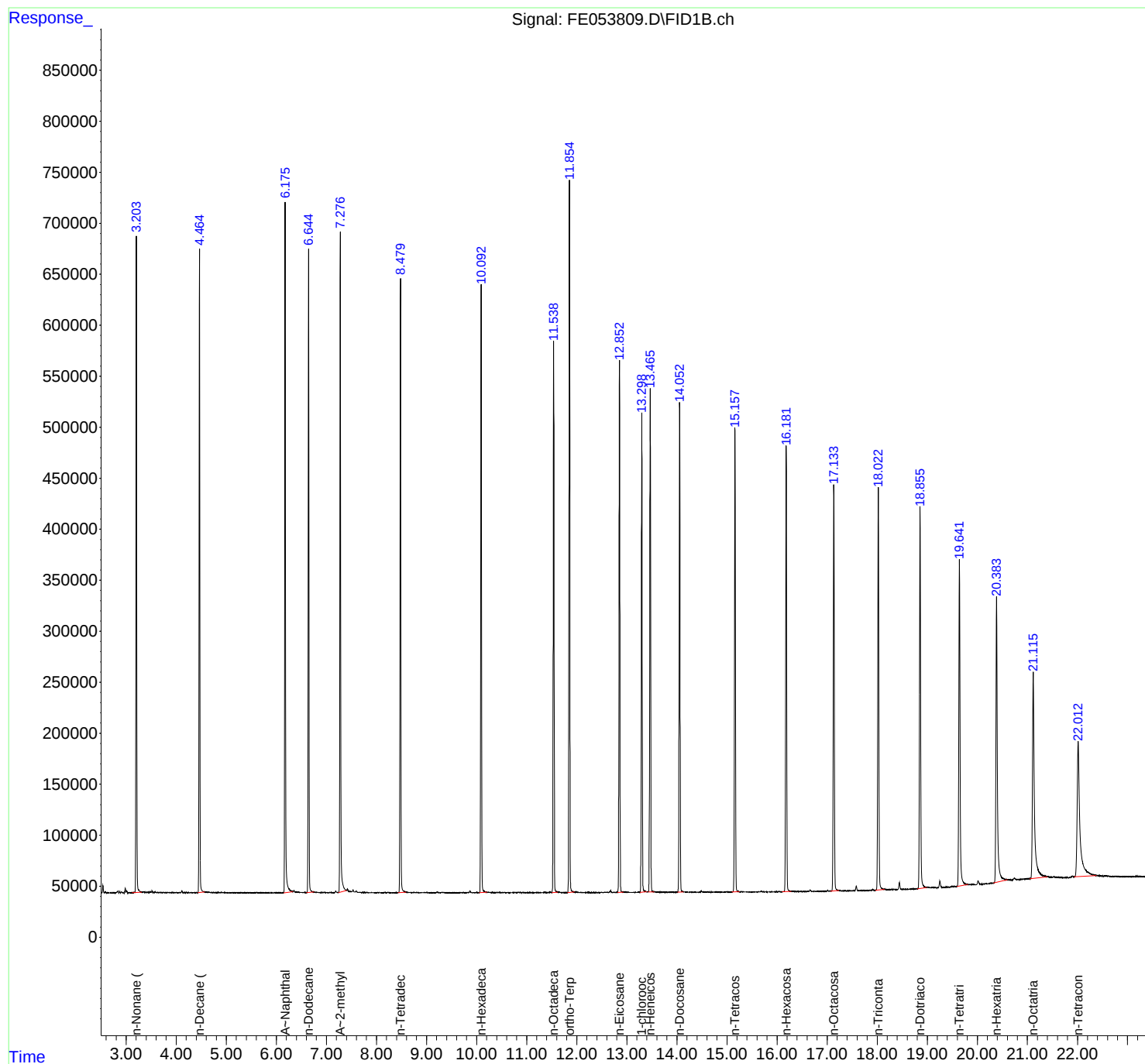
(m)=manual int.

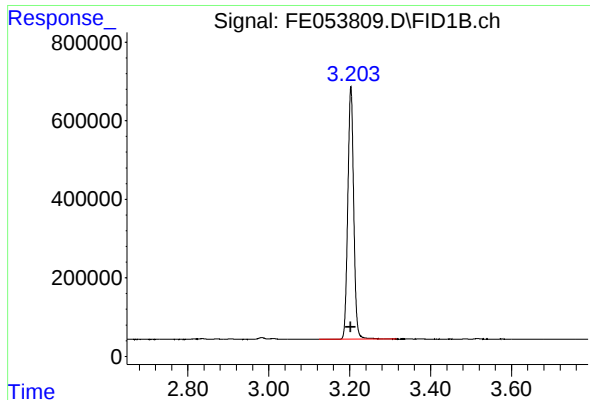
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053809.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 10:18
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: May 14 11:26:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
Quant Title : GC Extractables
QLast Update : Wed May 14 11:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

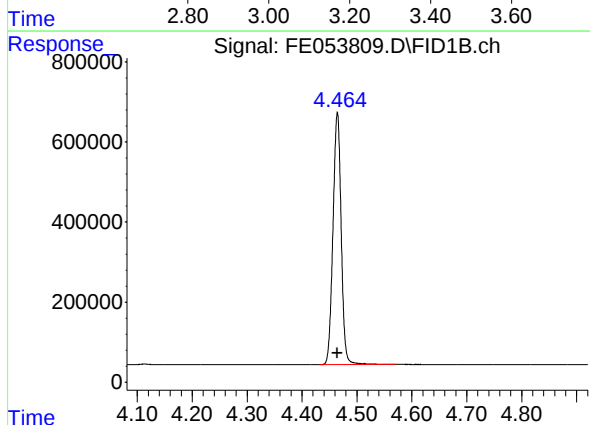




#1 n-Nonane (C9)

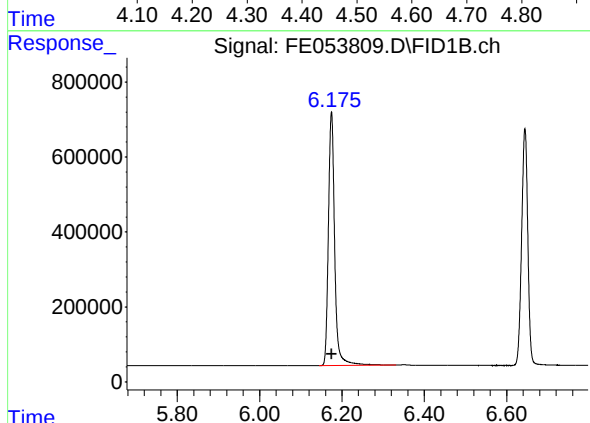
R.T.: 3.203 min
Delta R.T.: 0.000 min
Response: 6521797
Conc: 48.75 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



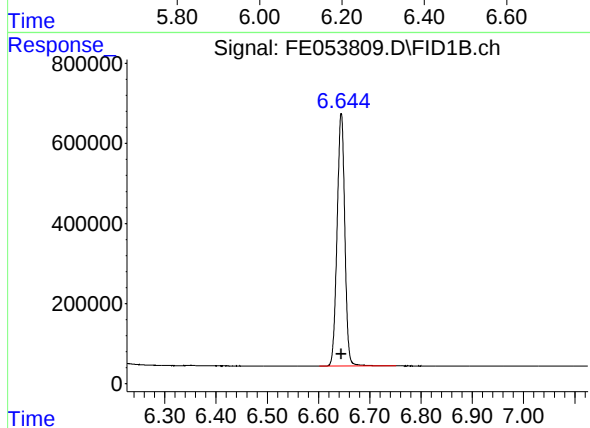
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: 0.000 min
Response: 6543240
Conc: 48.72 ug/ml



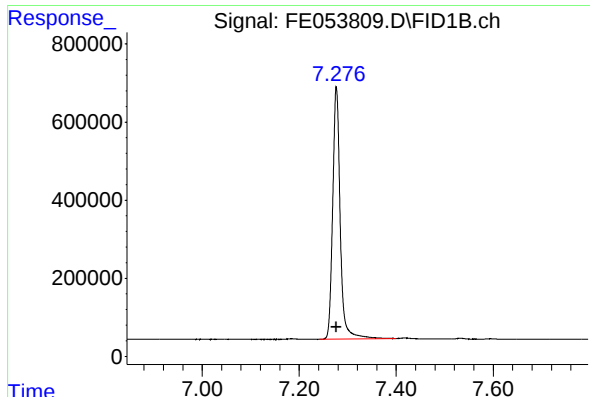
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 7153409
Conc: 48.91 ug/ml



#4 n-Dodecane (C12)

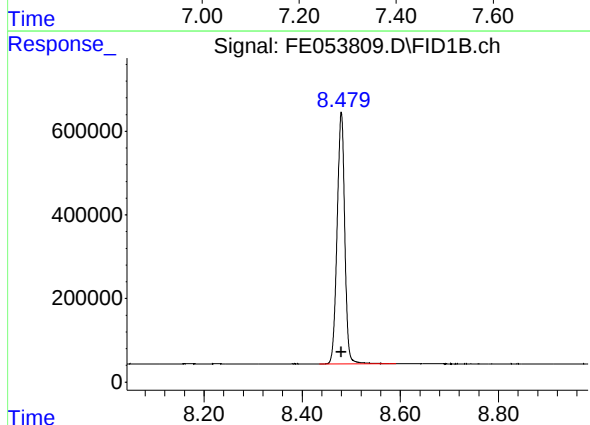
R.T.: 6.644 min
Delta R.T.: 0.000 min
Response: 6609385
Conc: 48.74 ug/ml



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

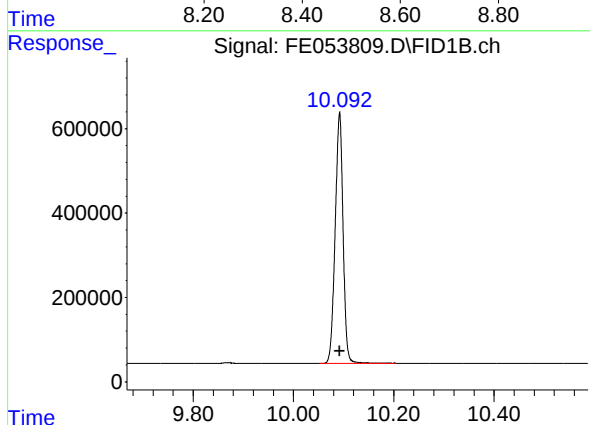
R.T.: 7.277 min
Delta R.T.: 0.000 min
Response: 6992834
Conc: 49.08 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



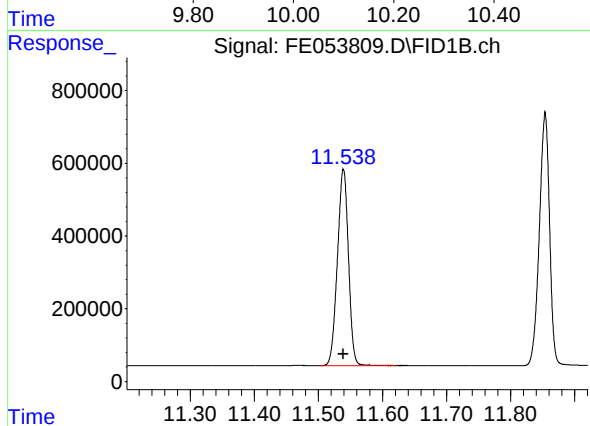
#6 n-Tetradecane (C14)

R.T.: 8.480 min
Delta R.T.: 0.000 min
Response: 6512008
Conc: 48.75 ug/ml



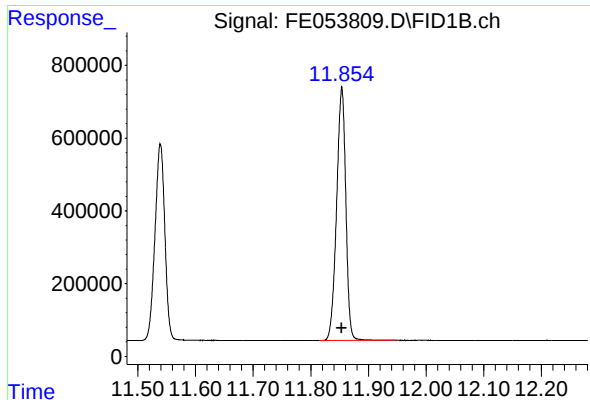
#7 n-Hexadecane (C16)

R.T.: 10.092 min
Delta R.T.: 0.000 min
Response: 6497275
Conc: 48.75 ug/ml



#8 n-Octadecane (C18)

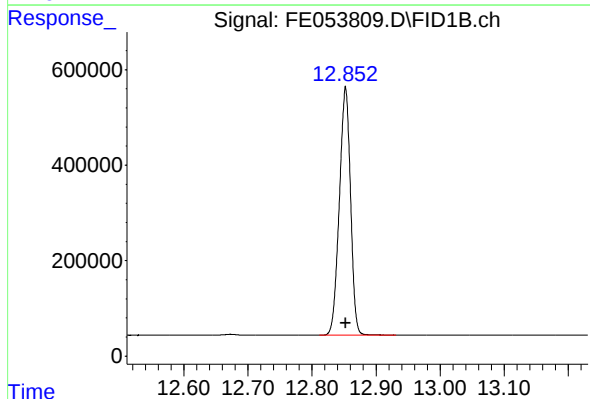
R.T.: 11.539 min
Delta R.T.: 0.000 min
Response: 6432292
Conc: 48.69 ug/ml



#9 ortho-Terphenyl (SURR)

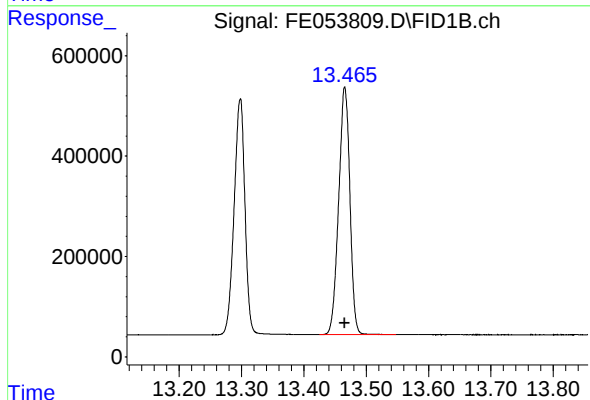
R.T.: 11.854 min
Delta R.T.: 0.000 min
Response: 7743091
Conc: 48.73 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



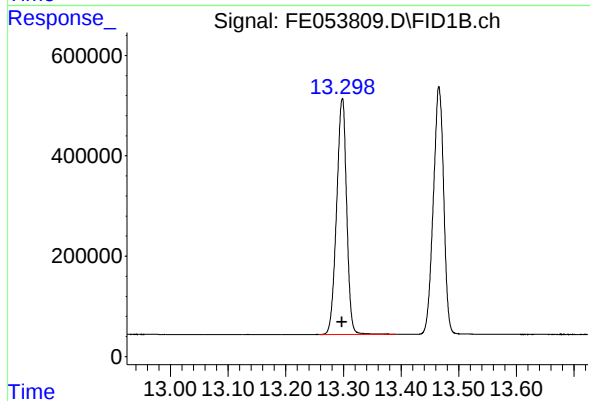
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 6253018
Conc: 48.69 ug/ml



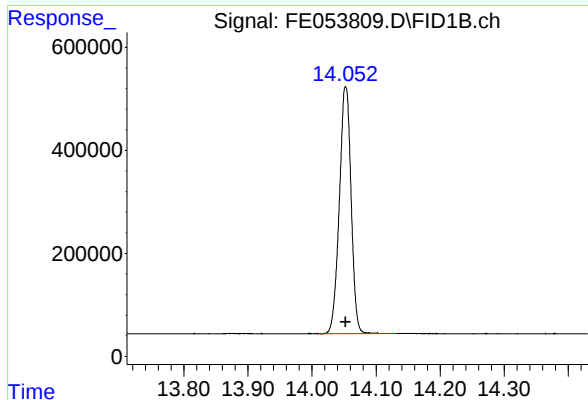
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: 0.000 min
Response: 6168358
Conc: 48.73 ug/ml



#12 1-chlorooctadecane (SURR)

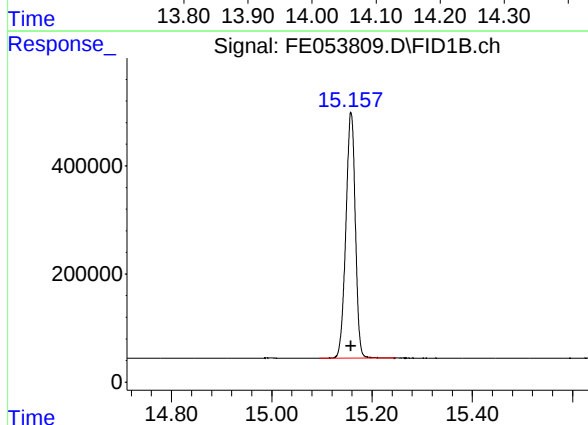
R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 5688678
Conc: 48.77 ug/ml



#13 n-Docosane (C22)

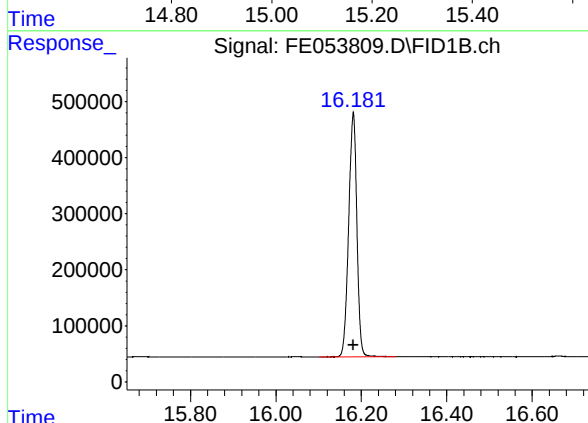
R.T.: 14.053 min
Delta R.T.: 0.000 min
Response: 6073373
Conc: 48.71 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



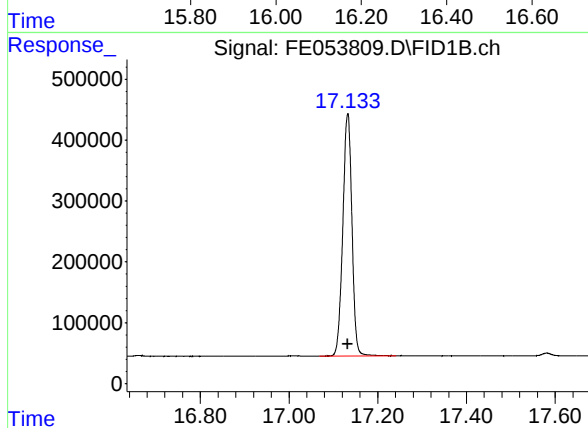
#14 n-Tetracosane (C24)

R.T.: 15.158 min
Delta R.T.: 0.000 min
Response: 5946887
Conc: 48.69 ug/ml



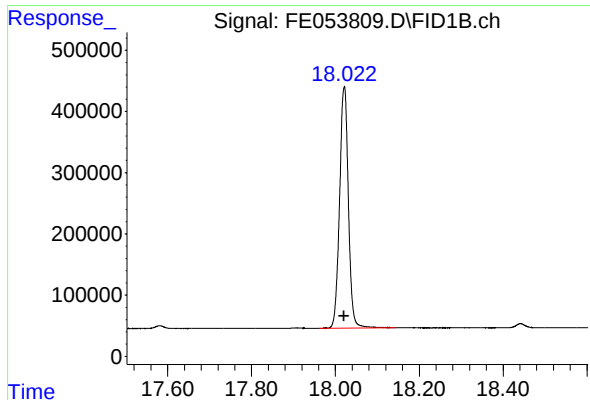
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: 0.000 min
Response: 5815252
Conc: 48.67 ug/ml



#16 n-Octacosane (C28)

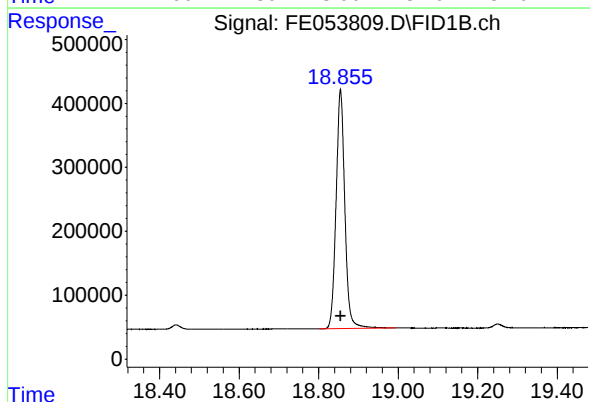
R.T.: 17.132 min
Delta R.T.: 0.000 min
Response: 5702740
Conc: 48.61 ug/ml



#17 n-Tricontane (C30)

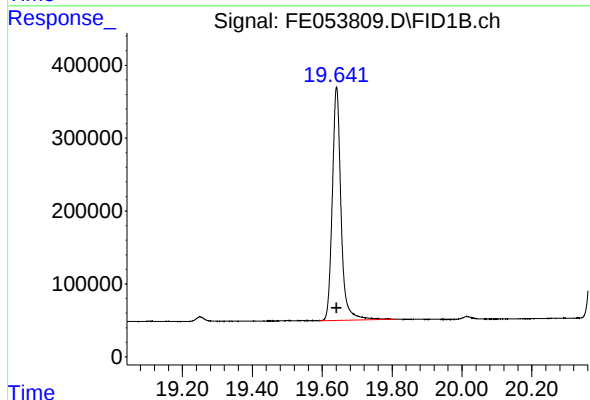
R.T.: 18.021 min
Delta R.T.: 0.000 min
Response: 5742679
Conc: 48.50 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



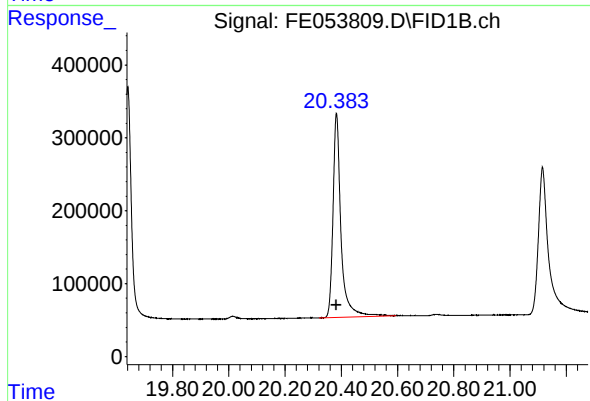
#18 n-Dotriacontane (C32)

R.T.: 18.855 min
Delta R.T.: 0.000 min
Response: 5718405
Conc: 48.39 ug/ml



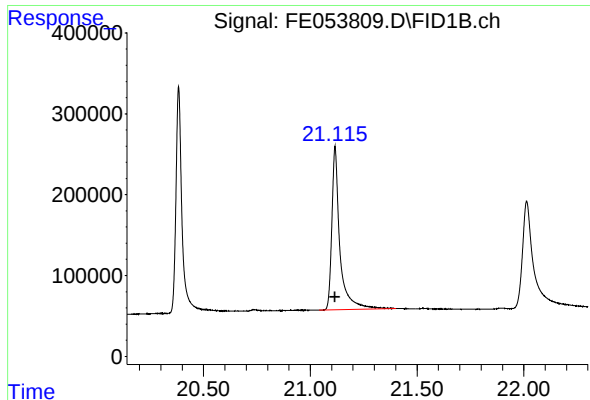
#19 n-Tetatriacontane (C34)

R.T.: 19.641 min
Delta R.T.: 0.000 min
Response: 5539154
Conc: 48.56 ug/ml



#20 n-Hexatriacontane (C36)

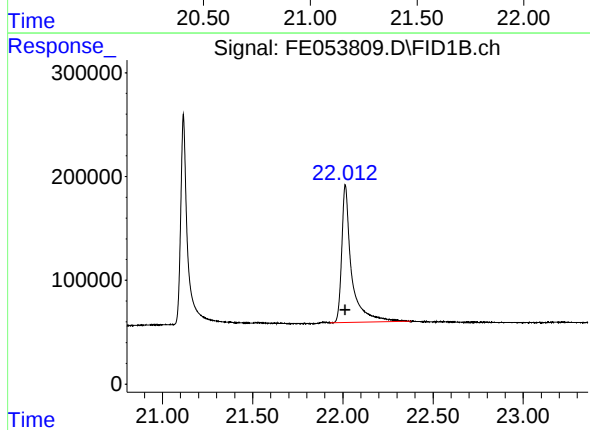
R.T.: 20.383 min
Delta R.T.: 0.000 min
Response: 5509173
Conc: 48.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.116 min
Delta R.T.: 0.000 min
Response: 5288032
Conc: 48.93 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.013 min
Delta R.T.: 0.000 min
Response: 5048422
Conc: 49.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053809.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 10:18
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.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	3.203	3.124	3.314	BB	642641	6521797	84.23%	4.813%
2	4.464	4.431	4.571	BB	630453	6543240	84.50%	4.829%
3	6.175	6.144	6.331	BV	677050	7153409	92.38%	5.279%
4	6.644	6.601	6.751	BB	633922	6609385	85.36%	4.878%
5	7.277	7.241	7.400	BV	642838	6992834	90.31%	5.161%
6	8.480	8.434	8.591	BB	604116	6512008	84.10%	4.806%
7	10.092	10.051	10.204	BB	588608	6497275	83.91%	4.795%
8	11.539	11.501	11.621	BB	539951	6432292	83.07%	4.747%
9	11.854	11.814	11.948	BB	696859	7743091	100.00%	5.714%
10	12.852	12.811	12.931	BB	514054	6253018	80.76%	4.615%
11	13.298	13.258	13.391	BB	470997	5688678	73.47%	4.198%
12	13.466	13.424	13.548	BB	493882	6168358	79.66%	4.552%
13	14.053	14.011	14.131	BB	484012	6073373	78.44%	4.482%
14	15.158	15.094	15.248	BB	456245	5946887	76.80%	4.389%
15	16.181	16.101	16.281	BB	435935	5815252	75.10%	4.292%
16	17.132	17.068	17.241	BB	397356	5702740	73.65%	4.209%
17	18.021	17.961	18.144	BB	394605	5742679	74.17%	4.238%
18	18.855	18.801	18.994	BB	373623	5718405	73.85%	4.220%
19	19.641	19.591	19.811	BB	320283	5539154	71.54%	4.088%
20	20.383	20.321	20.594	BB	279445	5509173	71.15%	4.066%
21	21.116	21.041	21.401	BB	202000	5288032	68.29%	3.903%
22	22.013	21.928	22.378	BB	132474	5048422	65.20%	3.726%
Sum of corrected areas:						135499500		

Aliphatic EPH 051425.M Wed May 14 13:24:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053810.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 10:48
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: May 14 11:15:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 11:15:08 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)	11.850	3311788	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.295	2418280	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.202	2772120	20.000 ug/ml
2) T n-Decane (C10)	4.463	2778404	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.174	2996176	20.000 ug/ml
4) T n-Dodecane (C12)	6.642	2809474	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.276	2880461	20.000 ug/ml
6) T n-Tetradecane (C14)	8.477	2769021	20.000 ug/ml
7) T n-Hexadecane (C16)	10.090	2766354	20.000 ug/ml
8) T n-Octadecane (C18)	11.536	2753858	20.000 ug/ml
10) T n-Eicosane (C20)	12.850	2678807	20.000 ug/ml
11) T n-Heneicosane (C21)	13.463	2637549	20.000 ug/ml
13) T n-Docosane (C22)	14.051	2601518	20.000 ug/ml
14) T n-Tetracosane (C24)	15.156	2551002	20.000 ug/ml
15) T n-Hexacosane (C26)	16.178	2499556	20.000 ug/ml
16) T n-Octacosane (C28)	17.130	2466499	20.000 ug/ml
17) T n-Tricontane (C30)	18.019	2500963	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.853	2504263	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.639	2399569	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.381	2335320	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.112	2203566	20.000 ug/ml
22) T n-Tetracontane (C40)	22.008	2016411	20.000 ug/ml

(f)=RT Delta > 1/2 Window

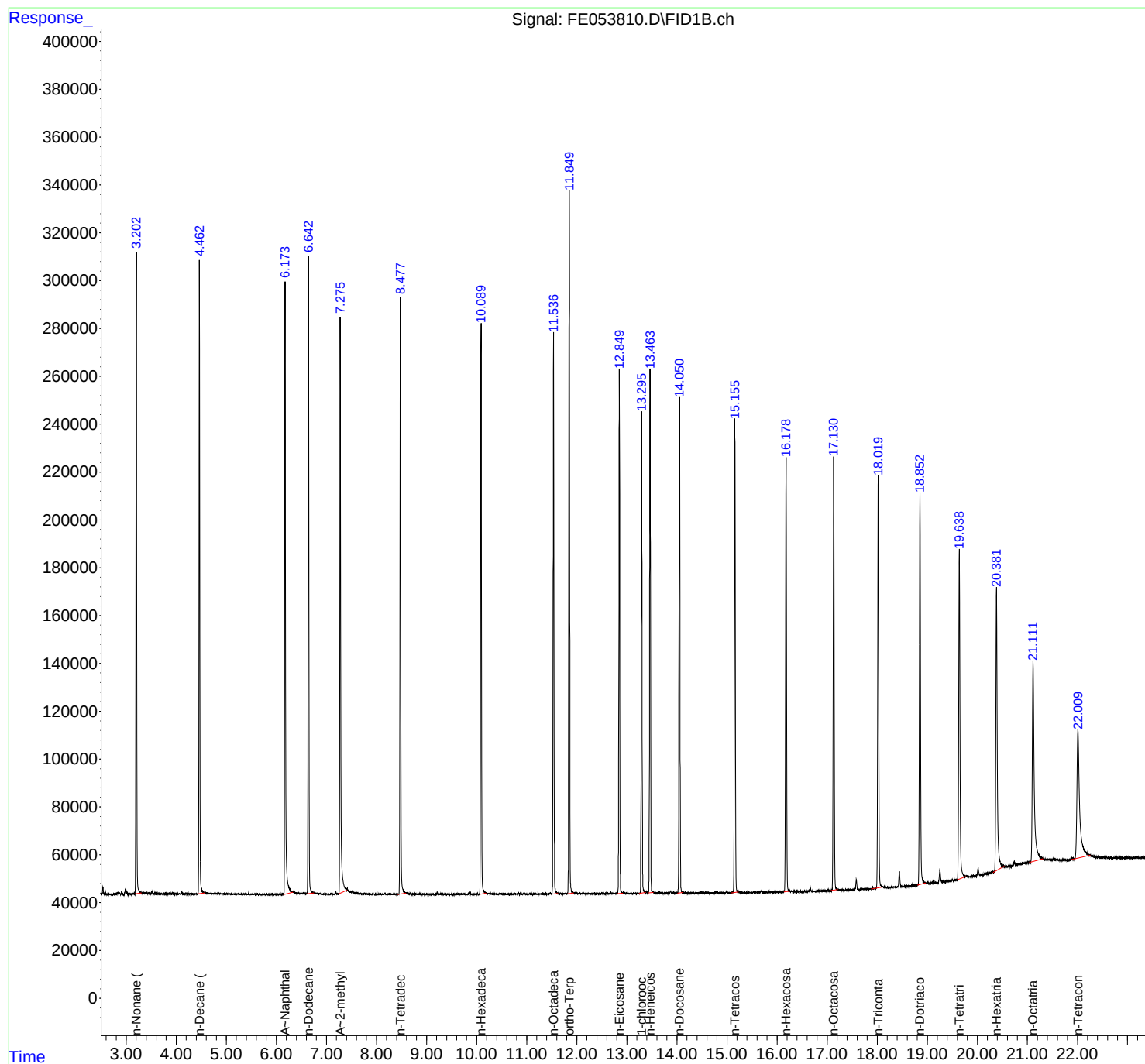
(m)=manual int.

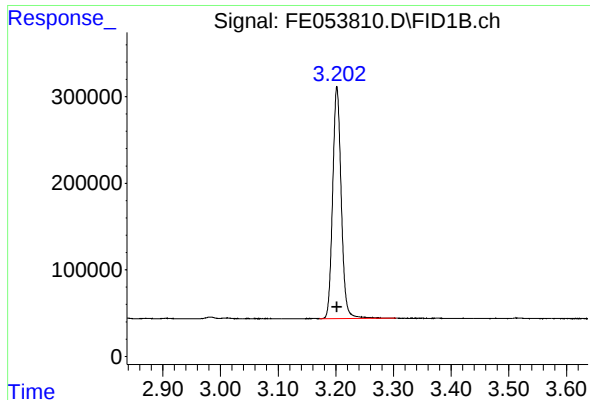
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053810.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 10:48
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: May 14 11:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
Quant Title : GC Extractables
QLast Update : Wed May 14 11:15:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

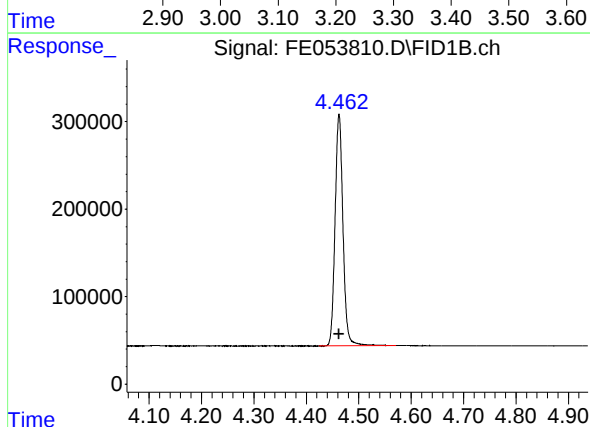




#1 n-Nonane (C9)

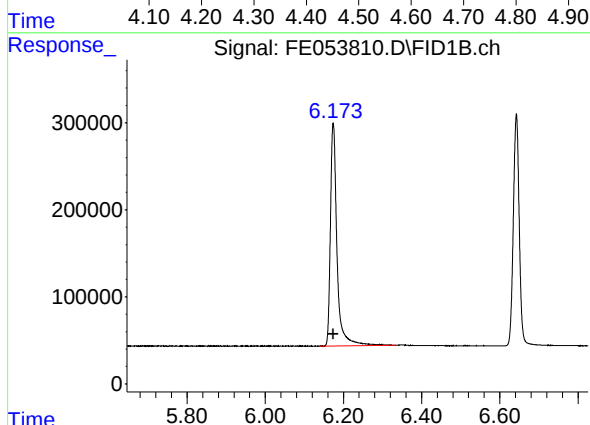
R.T.: 3.202 min
Delta R.T.: 0.000 min
Response: 2772120
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



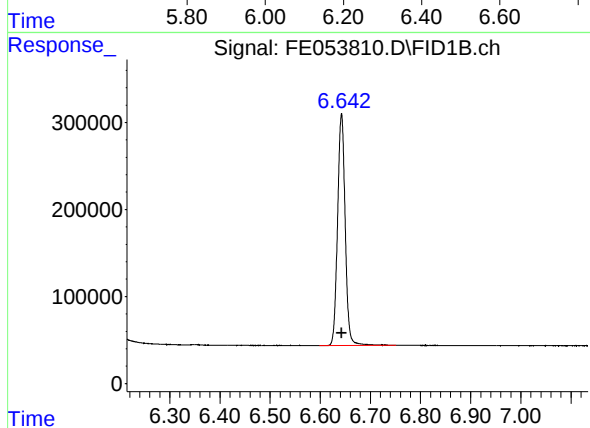
#2 n-Decane (C10)

R.T.: 4.463 min
Delta R.T.: 0.000 min
Response: 2778404
Conc: 20.00 ug/ml



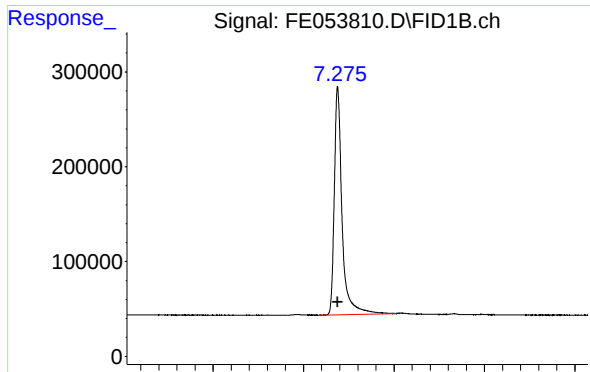
#3 A~Naphthalene (C11.7)

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 2996176
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

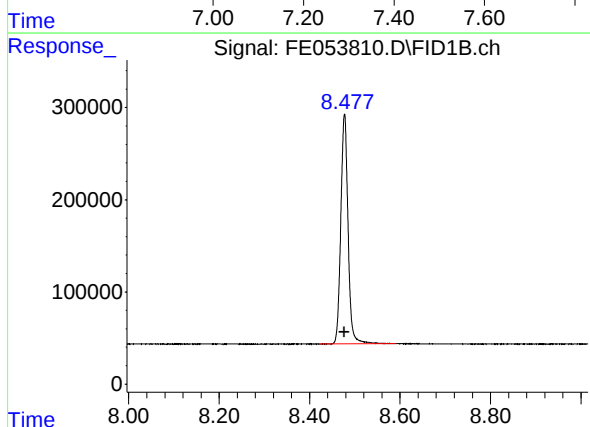
R.T.: 6.642 min
Delta R.T.: 0.000 min
Response: 2809474
Conc: 20.00 ug/ml



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

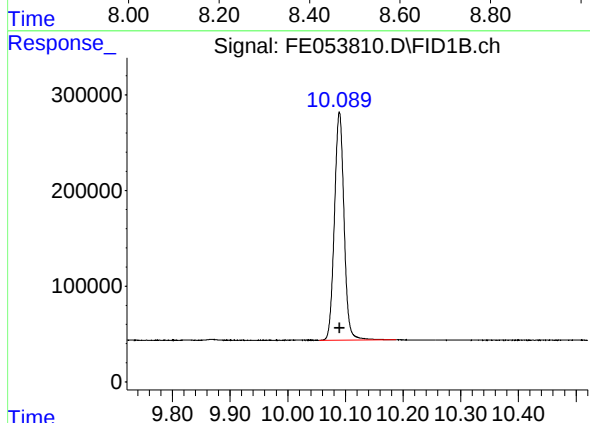
R.T.: 7.276 min
Delta R.T.: 0.000 min
Response: 2880461
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



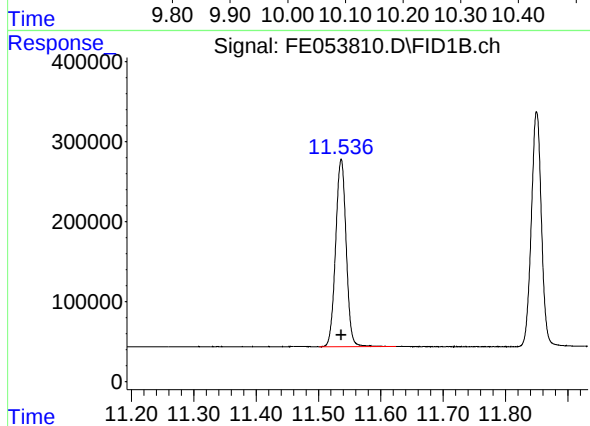
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 2769021
Conc: 20.00 ug/ml



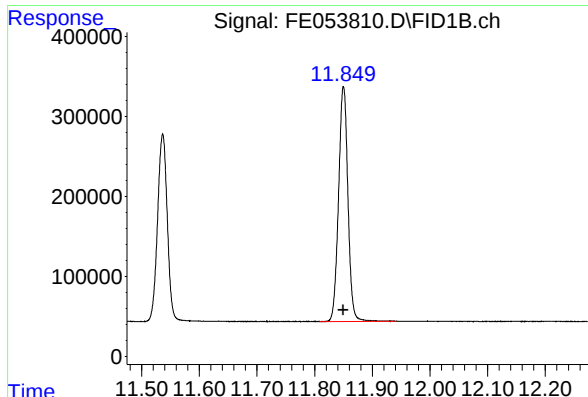
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: 0.000 min
Response: 2766354
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

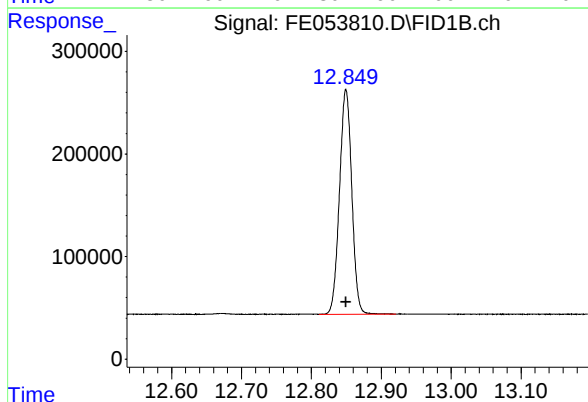
R.T.: 11.536 min
Delta R.T.: 0.000 min
Response: 2753858
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

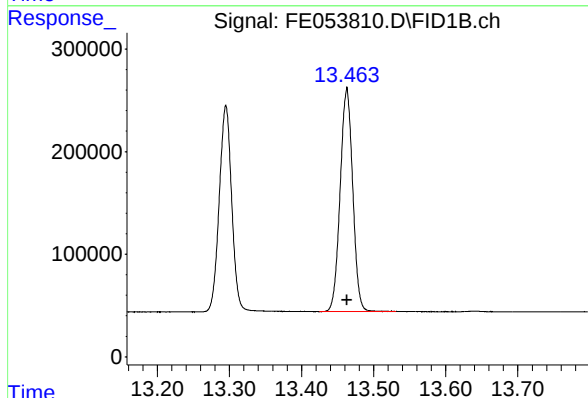
R.T.: 11.850 min
Delta R.T.: 0.000 min
Response: 3311788
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



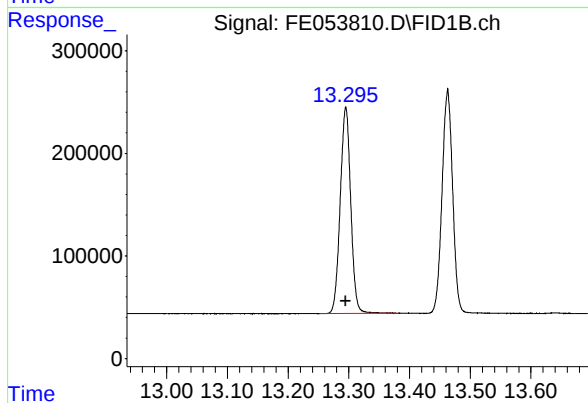
#10 n-Eicosane (C20)

R.T.: 12.850 min
Delta R.T.: 0.000 min
Response: 2678807
Conc: 20.00 ug/ml



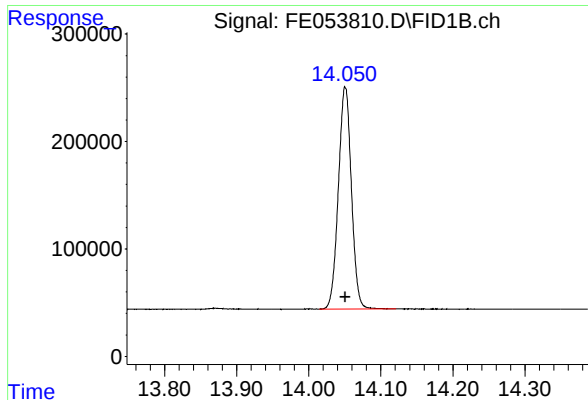
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 2637549
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

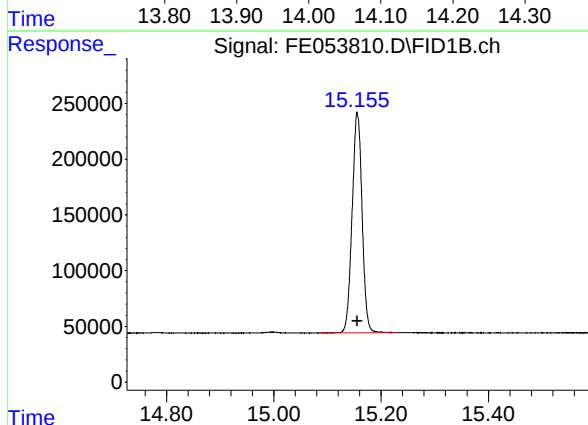
R.T.: 13.295 min
Delta R.T.: 0.000 min
Response: 2418280
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

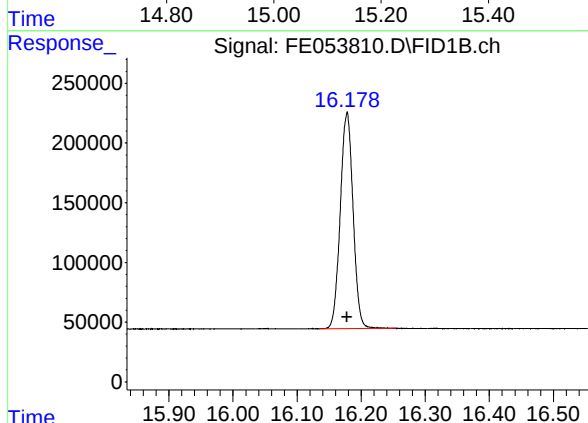
R.T.: 14.051 min
Delta R.T.: 0.000 min
Response: 2601518
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



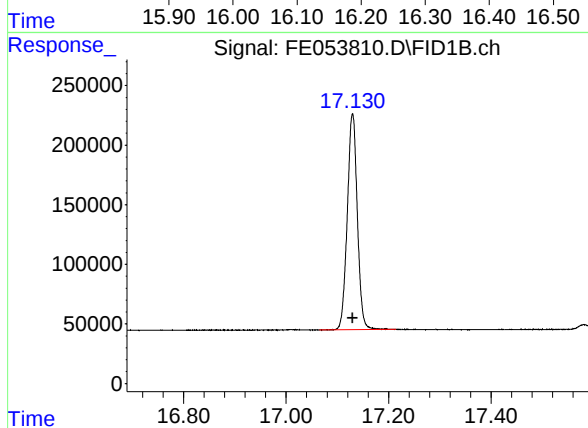
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: 0.000 min
Response: 2551002
Conc: 20.00 ug/ml



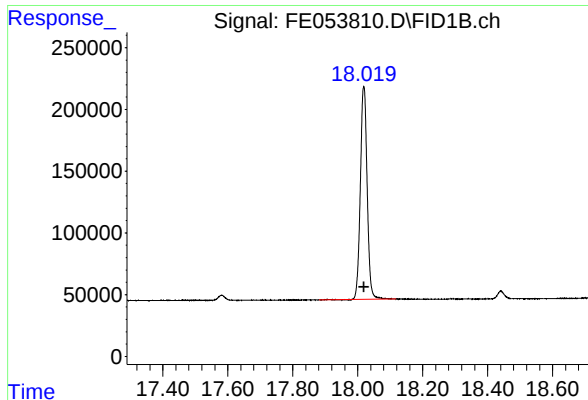
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2499556
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

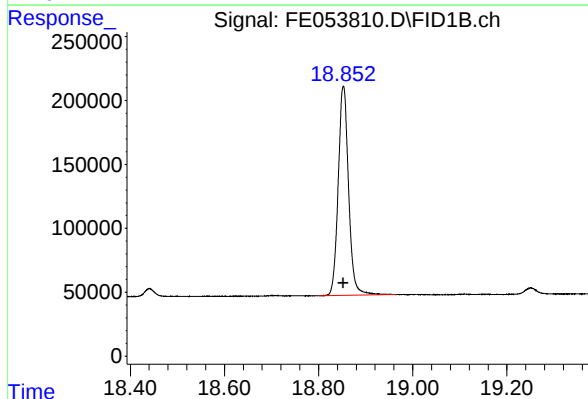
R.T.: 17.130 min
Delta R.T.: 0.000 min
Response: 2466499
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

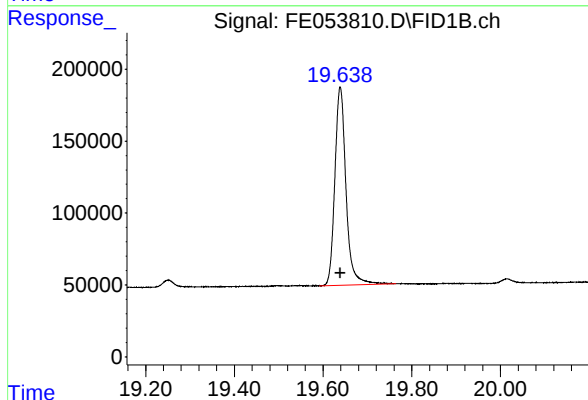
R.T.: 18.019 min
Delta R.T.: 0.000 min
Response: 2500963
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



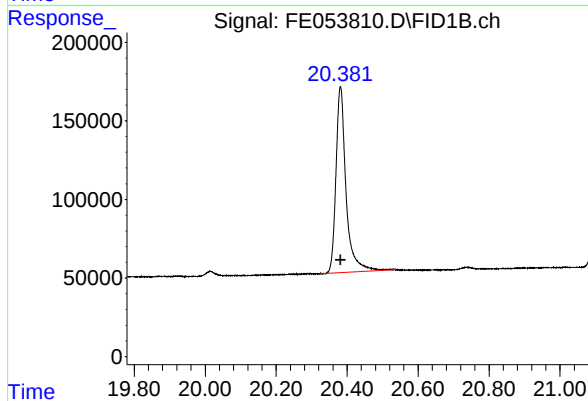
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: 0.000 min
Response: 2504263
Conc: 20.00 ug/ml



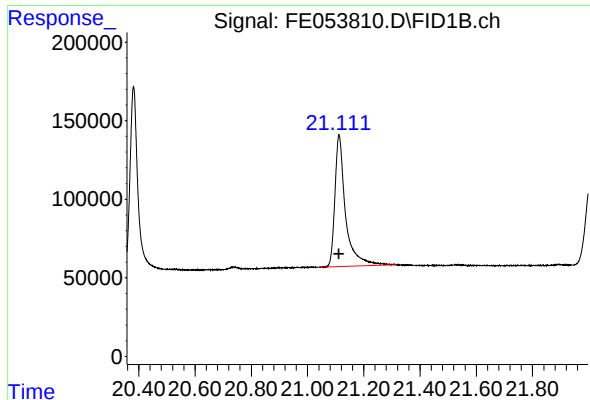
#19 n-Tetatriacontane (C34)

R.T.: 19.639 min
Delta R.T.: 0.000 min
Response: 2399569
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

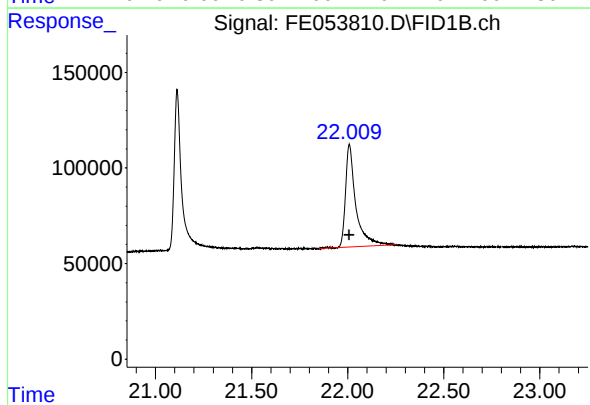
R.T.: 20.381 min
Delta R.T.: 0.000 min
Response: 2335320
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.112 min
Delta R.T.: 0.000 min
Response: 2203566
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: 0.000 min
Response: 2016411
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053810.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 10:48
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.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	3.202	3.171	3.304	BB	266944	2772120	83.70%	4.808%
2	4.463	4.424	4.571	BB	263210	2778404	83.89%	4.819%
3	6.174	6.138	6.334	BB	255229	2996176	90.47%	5.197%
4	6.642	6.598	6.751	BB	264529	2809474	84.83%	4.873%
5	7.276	7.234	7.404	BV	240820	2880461	86.98%	4.996%
6	8.477	8.421	8.591	BB	250175	2769021	83.61%	4.803%
7	10.090	10.054	10.188	BB	238658	2766354	83.53%	4.798%
8	11.536	11.501	11.624	BB	235260	2753858	83.15%	4.777%
9	11.850	11.808	11.941	BB	294328	3311788	100.00%	5.745%
10	12.850	12.811	12.921	BB	217958	2678807	80.89%	4.647%
11	13.295	13.251	13.378	BB	200598	2418280	73.02%	4.195%
12	13.463	13.424	13.531	BB	216778	2637549	79.64%	4.575%
13	14.051	14.014	14.121	BB	207307	2601518	78.55%	4.513%
14	15.156	15.084	15.228	BB	197865	2551002	77.03%	4.425%
15	16.178	16.134	16.254	BB	180346	2499556	75.47%	4.336%
16	17.130	17.064	17.214	BB	181883	2466499	74.48%	4.278%
17	18.019	17.881	18.118	BB	172763	2500963	75.52%	4.338%
18	18.853	18.801	18.964	BB	164448	2504263	75.62%	4.344%
19	19.639	19.591	19.764	BB	138056	2399569	72.46%	4.162%
20	20.381	20.321	20.538	BB	118542	2335320	70.52%	4.051%
21	21.112	21.041	21.314	BB	83955	2203566	66.54%	3.822%
22	22.008	21.851	22.251	BB	53587	2016411	60.89%	3.498%
Sum of corrected areas:							57650958	

Aliphatic EPH 051425.M Wed May 14 13:23:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053811.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 11:18
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: May 14 11:58:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 11:58:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.848	1724522	10.627 ug/ml
Spiked Amount 50.000		Recovery =	21.25%
12) S 1-chlorooctadecane (S...	13.294	1252547	10.543 ug/ml
Spiked Amount 50.000		Recovery =	21.09%
Target Compounds			
1) T n-Nonane (C9)	3.202	1431091	10.514 ug/ml
2) T n-Decane (C10)	4.462	1429763	10.477 ug/ml
3) T A~Naphthalene (C11.7)	6.175	1487017	10.124 ug/ml
4) T n-Dodecane (C12)	6.642	1441460	10.464 ug/ml
5) T A~2-methylnaphthalene...	7.277	1432714	10.041 ug/ml
6) T n-Tetradecane (C14)	8.477	1421009	10.471 ug/ml
7) T n-Hexadecane (C16)	10.089	1426087	10.515 ug/ml
8) T n-Octadecane (C18)	11.536	1425081	10.580 ug/ml
10) T n-Eicosane (C20)	12.849	1392391	10.619 ug/ml
11) T n-Heneicosane (C21)	13.462	1374784	10.632 ug/ml
13) T n-Docosane (C22)	14.050	1350709	10.611 ug/ml
14) T n-Tetracosane (C24)	15.155	1328348	10.643 ug/ml
15) T n-Hexacosane (C26)	16.178	1299643	10.644 ug/ml
16) T n-Octacosane (C28)	17.129	1292696	10.745 ug/ml
17) T n-Tricontane (C30)	18.018	1326771	10.877 ug/ml
18) T n-Dotriacontane (C32)	18.852	1329611	10.910 ug/ml
19) T n-Tetratriacontane (C34)	19.637	1261085	10.772 ug/ml
20) T n-Hexatriacontane (C36)	20.380	1211680	10.550 ug/ml
21) T n-Octatriacontane (C38)	21.111	1130035	10.339 ug/ml
22) T n-Tetracontane (C40)	22.006	995600	9.790 ug/ml

(f)=RT Delta > 1/2 Window

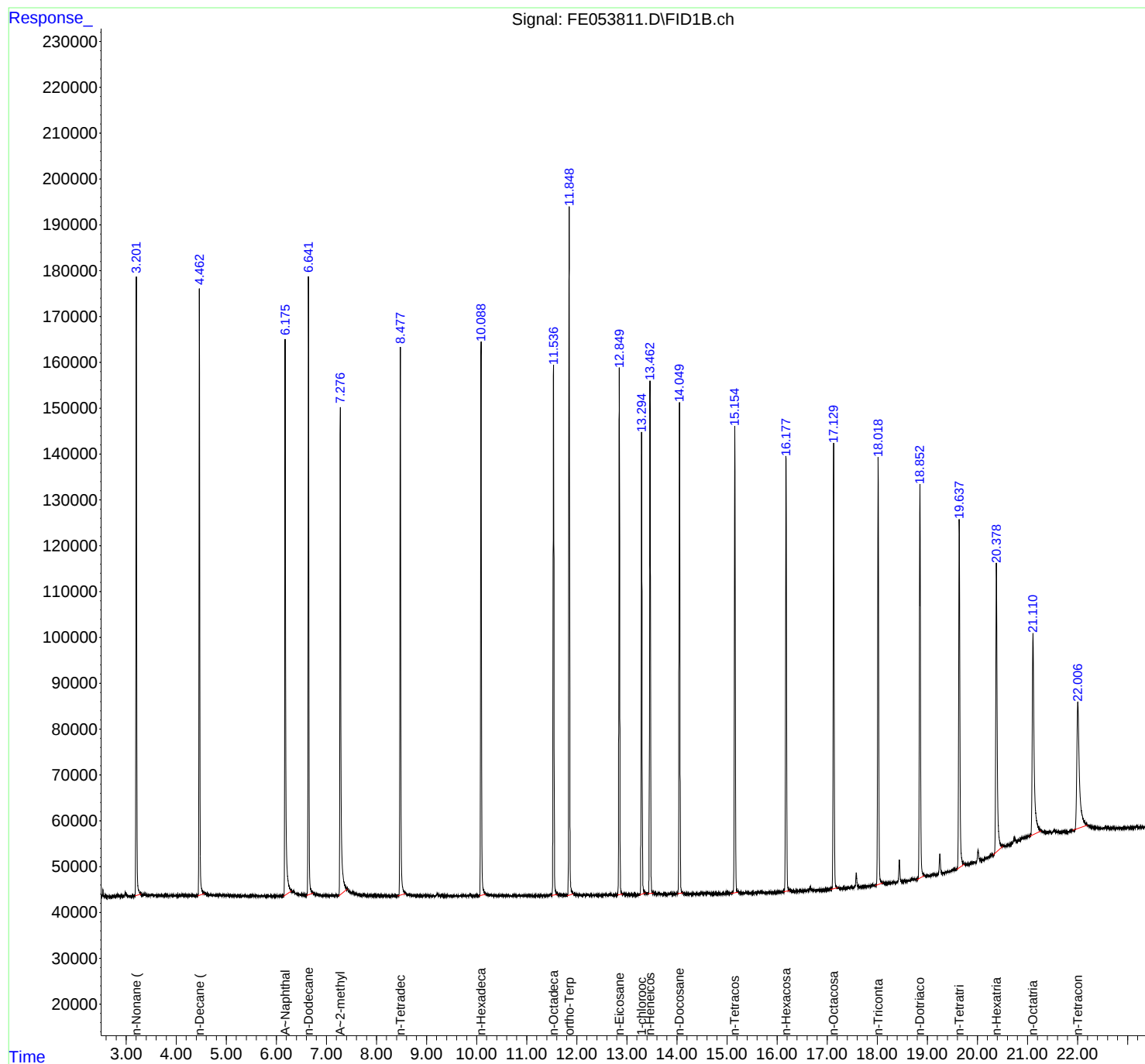
(m)=manual int.

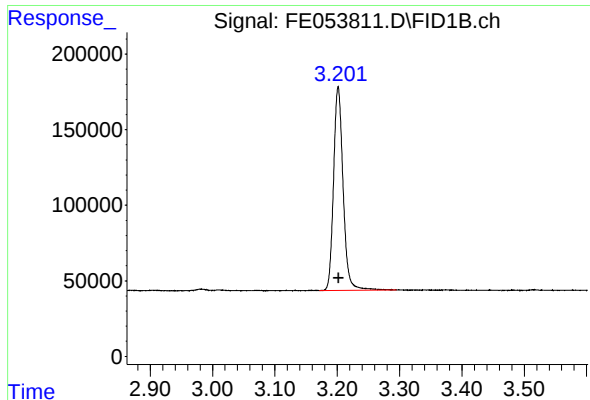
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053811.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 11:18
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: May 14 11:58:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
Quant Title : GC Extractables
QLast Update : Wed May 14 11:58:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

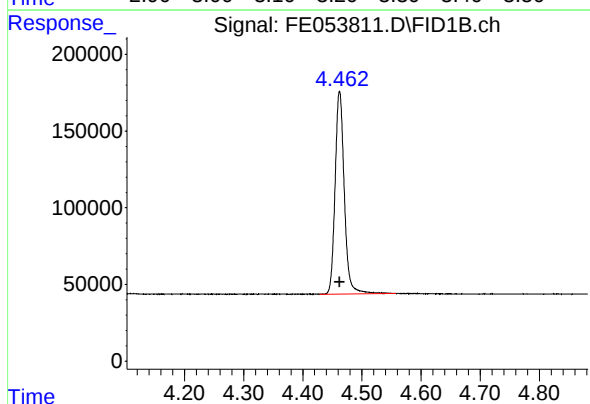




#1 n-Nonane (C9)

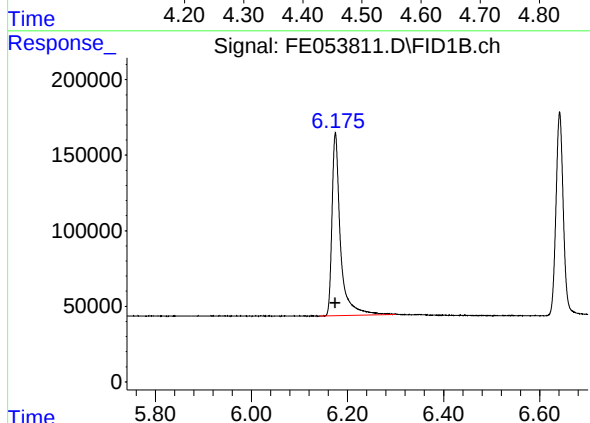
R.T.: 3.202 min
Delta R.T.: 0.000 min
Response: 1431091
Conc: 10.51 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



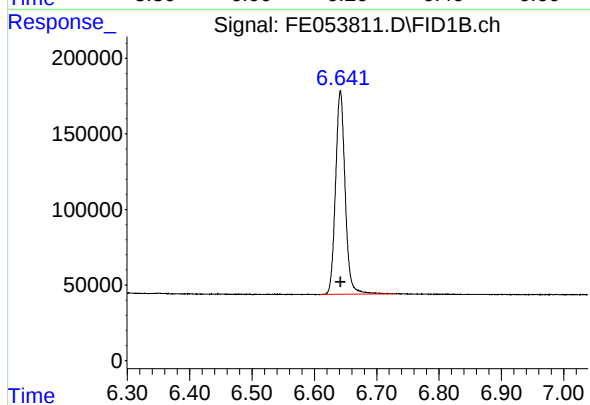
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: 0.000 min
Response: 1429763
Conc: 10.48 ug/ml



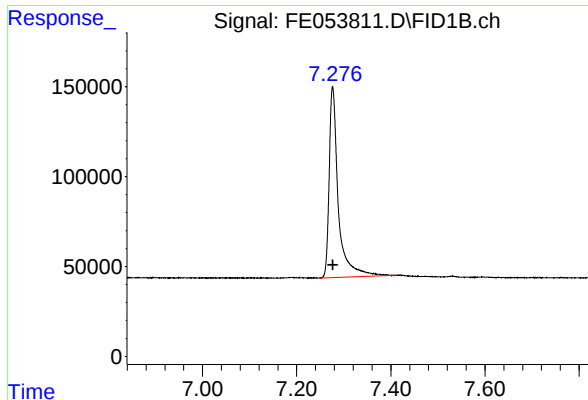
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 1487017
Conc: 10.12 ug/ml



#4 n-Dodecane (C12)

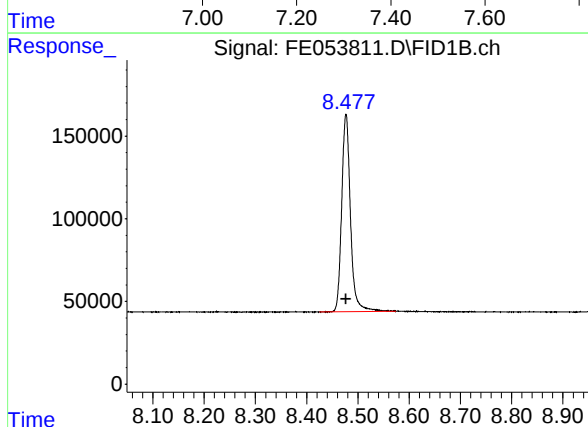
R.T.: 6.642 min
Delta R.T.: 0.000 min
Response: 1441460
Conc: 10.46 ug/ml



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

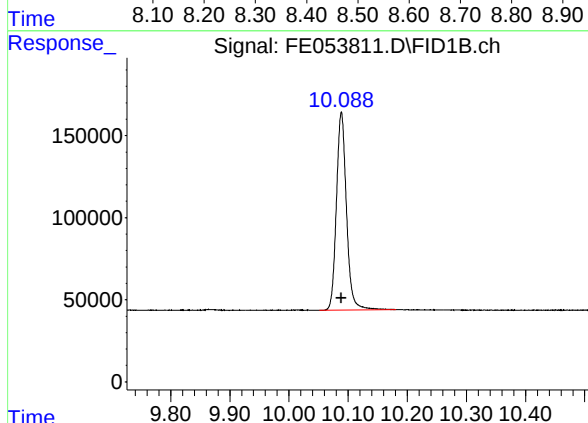
R.T.: 7.277 min
Delta R.T.: 0.000 min
Response: 1432714
Conc: 10.04 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



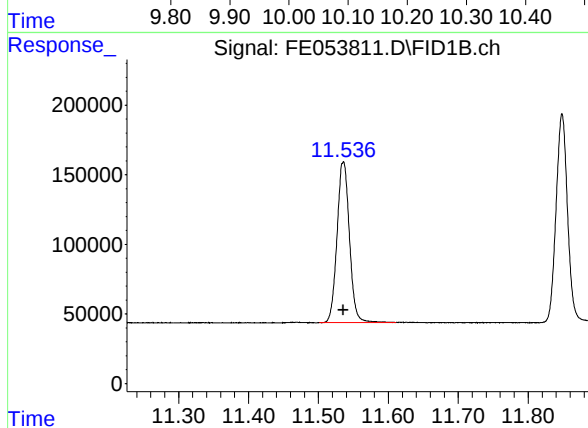
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 1421009
Conc: 10.47 ug/ml



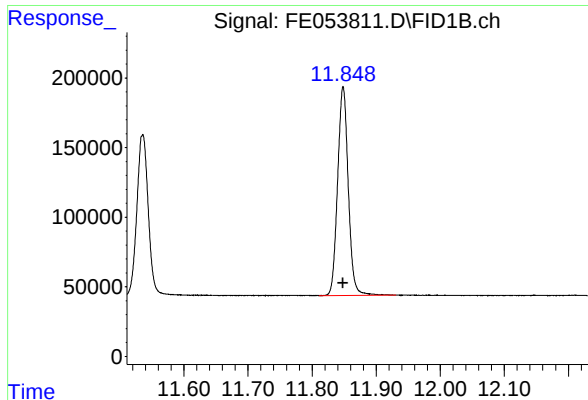
#7 n-Hexadecane (C16)

R.T.: 10.089 min
Delta R.T.: 0.000 min
Response: 1426087
Conc: 10.52 ug/ml



#8 n-Octadecane (C18)

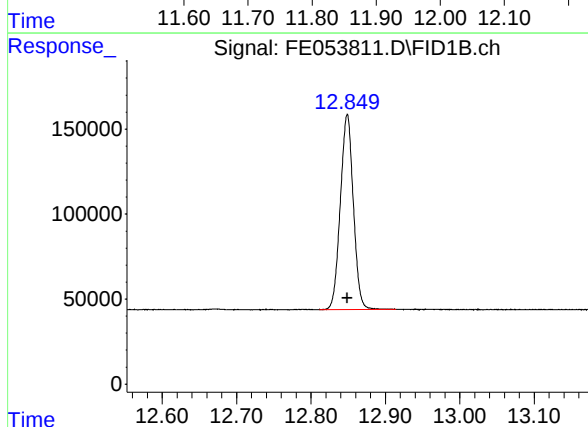
R.T.: 11.536 min
Delta R.T.: 0.000 min
Response: 1425081
Conc: 10.58 ug/ml



#9 ortho-Terphenyl (SURR)

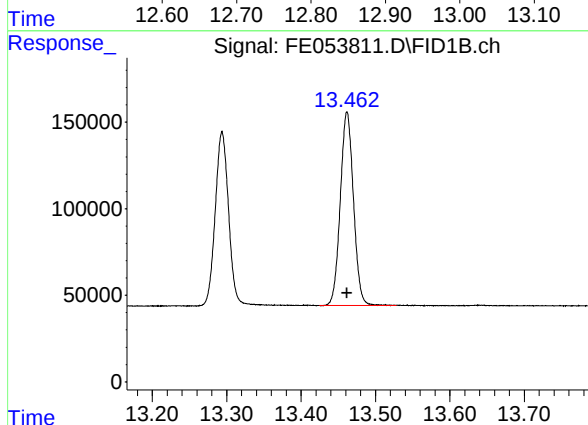
R.T.: 11.848 min
Delta R.T.: 0.000 min
Response: 1724522
Conc: 10.63 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



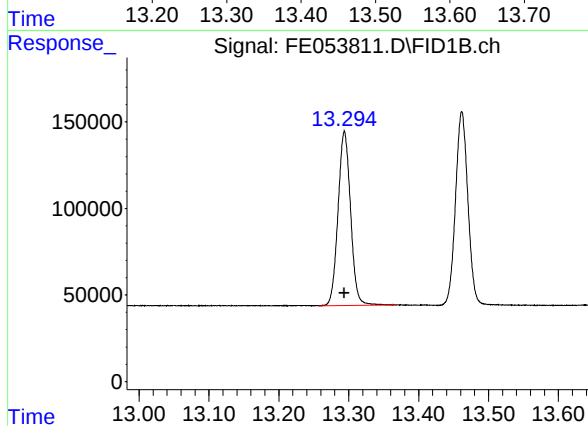
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.000 min
Response: 1392391
Conc: 10.62 ug/ml



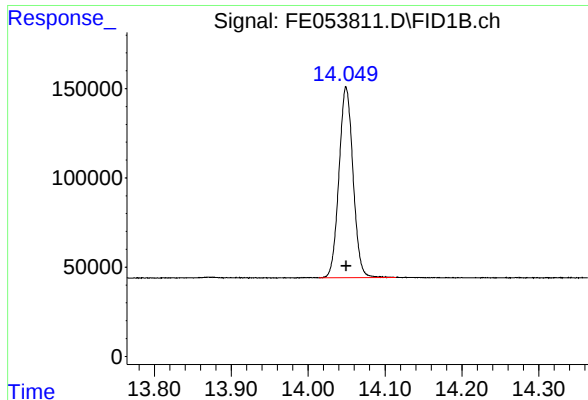
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 1374784
Conc: 10.63 ug/ml



#12 1-chlorooctadecane (SURR)

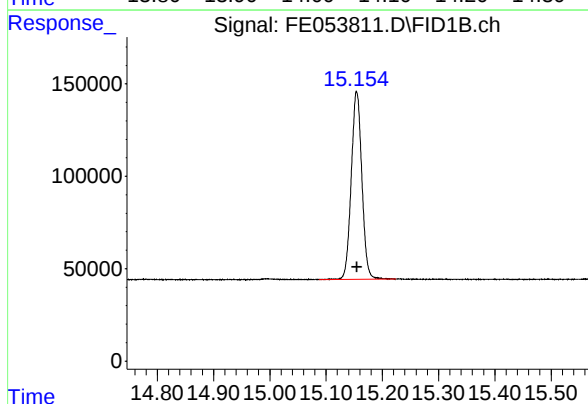
R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 1252547
Conc: 10.54 ug/ml



#13 n-Docosane (C22)

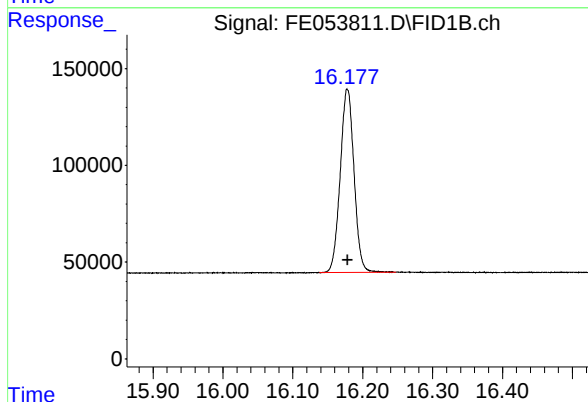
R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 1350709
Conc: 10.61 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



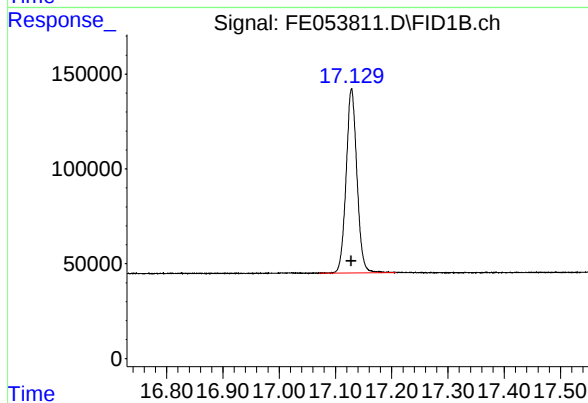
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 1328348
Conc: 10.64 ug/ml



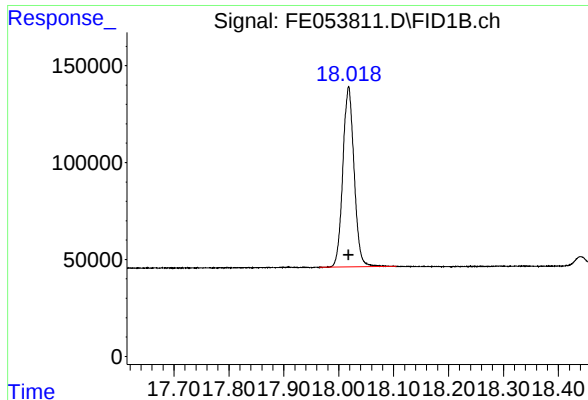
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 1299643
Conc: 10.64 ug/ml



#16 n-Octacosane (C28)

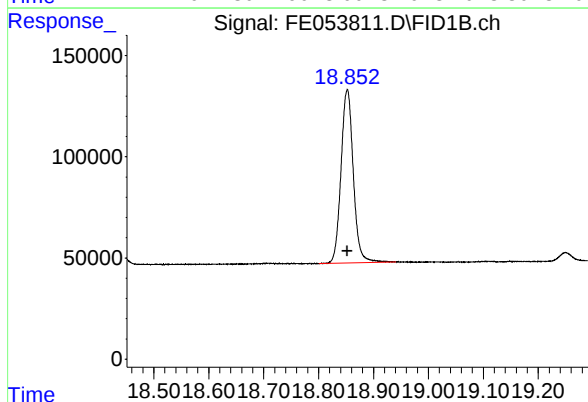
R.T.: 17.129 min
Delta R.T.: 0.000 min
Response: 1292696
Conc: 10.75 ug/ml



#17 n-Tricontane (C30)

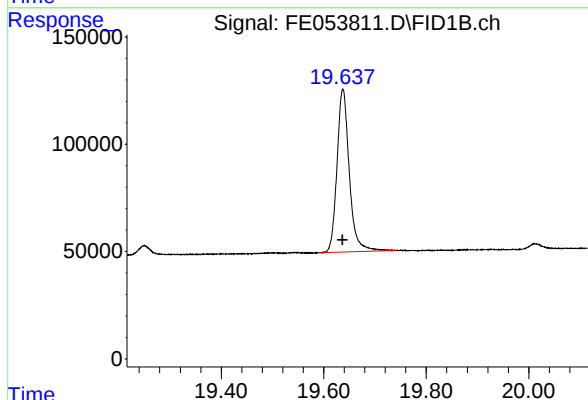
R.T.: 18.018 min
Delta R.T.: 0.000 min
Response: 1326771
Conc: 10.88 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



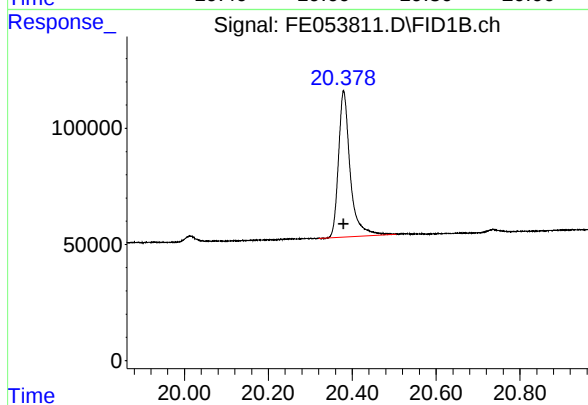
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: 0.000 min
Response: 1329611
Conc: 10.91 ug/ml



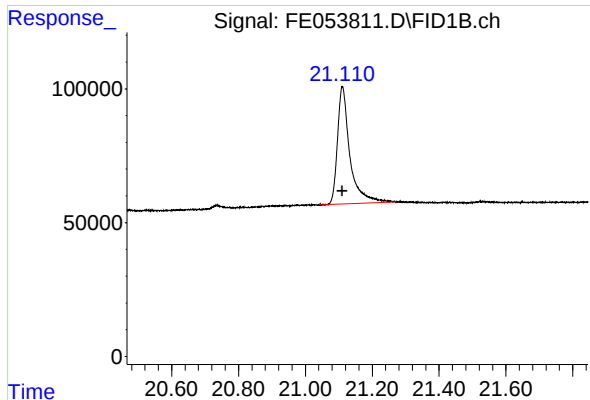
#19 n-Tetatriacontane (C34)

R.T.: 19.637 min
Delta R.T.: 0.000 min
Response: 1261085
Conc: 10.77 ug/ml



#20 n-Hexatriacontane (C36)

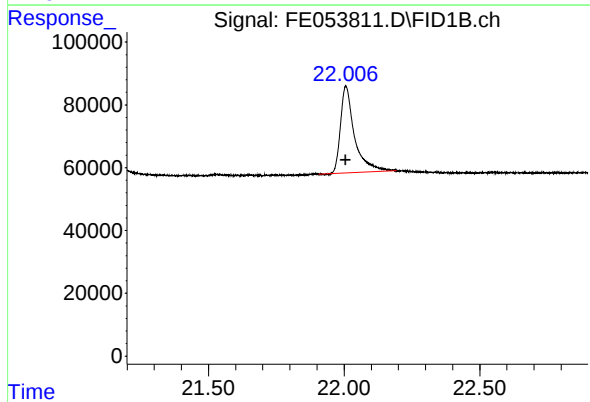
R.T.: 20.380 min
Delta R.T.: 0.000 min
Response: 1211680
Conc: 10.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: 0.000 min
Response: 1130035
Conc: 10.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.006 min
Delta R.T.: 0.000 min
Response: 995600
Conc: 9.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053811.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 11:18
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.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	3.202	3.171	3.294	BB	134446	1431091	82.98%	4.808%
2	4.462	4.428	4.558	BB	132296	1429763	82.91%	4.804%
3	6.175	6.141	6.301	BB	120530	1487017	86.23%	4.996%
4	6.642	6.608	6.731	BB	133898	1441460	83.59%	4.843%
5	7.277	7.248	7.411	BB	105064	1432714	83.08%	4.813%
6	8.477	8.424	8.574	BB	119722	1421009	82.40%	4.774%
7	10.089	10.051	10.181	BB	120238	1426087	82.69%	4.791%
8	11.536	11.501	11.611	BB	116417	1425081	82.64%	4.788%
9	11.848	11.811	11.931	BB	149735	1724522	100.00%	5.794%
10	12.849	12.811	12.914	BB	114291	1392391	80.74%	4.678%
11	13.294	13.258	13.368	BB	100347	1252547	72.63%	4.208%
12	13.462	13.424	13.528	BB	111556	1374784	79.72%	4.619%
13	14.050	14.014	14.114	BB	106118	1350709	78.32%	4.538%
14	15.155	15.088	15.224	BB	101796	1328348	77.03%	4.463%
15	16.178	16.138	16.248	BB	95046	1299643	75.36%	4.366%
16	17.129	17.071	17.208	BB	96868	1292696	74.96%	4.343%
17	18.018	17.964	18.104	BB	92718	1326771	76.94%	4.458%
18	18.852	18.801	18.941	BB	85504	1329611	77.10%	4.467%
19	19.637	19.591	19.741	BB	76012	1261085	73.13%	4.237%
20	20.380	20.321	20.504	BB	62689	1211680	70.26%	4.071%
21	21.111	21.041	21.271	BB	43942	1130035	65.53%	3.797%
22	22.006	21.908	22.191	BB	27595	995600	57.73%	3.345%
Sum of corrected areas:							29764644	

Aliphatic EPH 051425.M Wed May 14 13:23:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053812.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 11:48
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: May 14 12:15:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:14:37 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)	11.849	817153	5.028 ug/ml
Spiked Amount 50.000		Recovery =	10.06%
12) S 1-chlorooctadecane (S...	13.295	587641	4.957 ug/ml
Spiked Amount 50.000		Recovery =	9.91%
Target Compounds			
1) T n-Nonane (C9)	3.202	656566	4.858 ug/ml
2) T n-Decane (C10)	4.462	648937	4.802 ug/ml
3) T A~Naphthalene (C11.7)	6.178	655292	4.560 ug/ml
4) T n-Dodecane (C12)	6.642	655154	4.803 ug/ml
5) T A~2-methylnaphthalene...	7.280	614016	4.427 ug/ml
6) T n-Tetradecane (C14)	8.477	659483	4.887 ug/ml
7) T n-Hexadecane (C16)	10.090	660971	4.898 ug/ml
8) T n-Octadecane (C18)	11.536	672526	4.994 ug/ml
10) T n-Eicosane (C20)	12.849	663340	5.047 ug/ml
11) T n-Heneicosane (C21)	13.462	654852	5.051 ug/ml
13) T n-Docosane (C22)	14.049	643626	5.045 ug/ml
14) T n-Tetracosane (C24)	15.155	631655	5.049 ug/ml
15) T n-Hexacosane (C26)	16.178	619264	5.057 ug/ml
16) T n-Octacosane (C28)	17.129	632971	5.207 ug/ml
17) T n-Tricontane (C30)	18.018	674483	5.415 ug/ml
18) T n-Dotriacontane (C32)	18.852	688933	5.509 ug/ml
19) T n-Tetratriacontane (C34)	19.638	636572	5.344 ug/ml
20) T n-Hexatriacontane (C36)	20.380	597732	5.162 ug/ml
21) T n-Octatriacontane (C38)	21.111	534678	4.913 ug/ml
22) T n-Tetracontane (C40)	22.007	446823	4.503 ug/ml

(f)=RT Delta > 1/2 Window

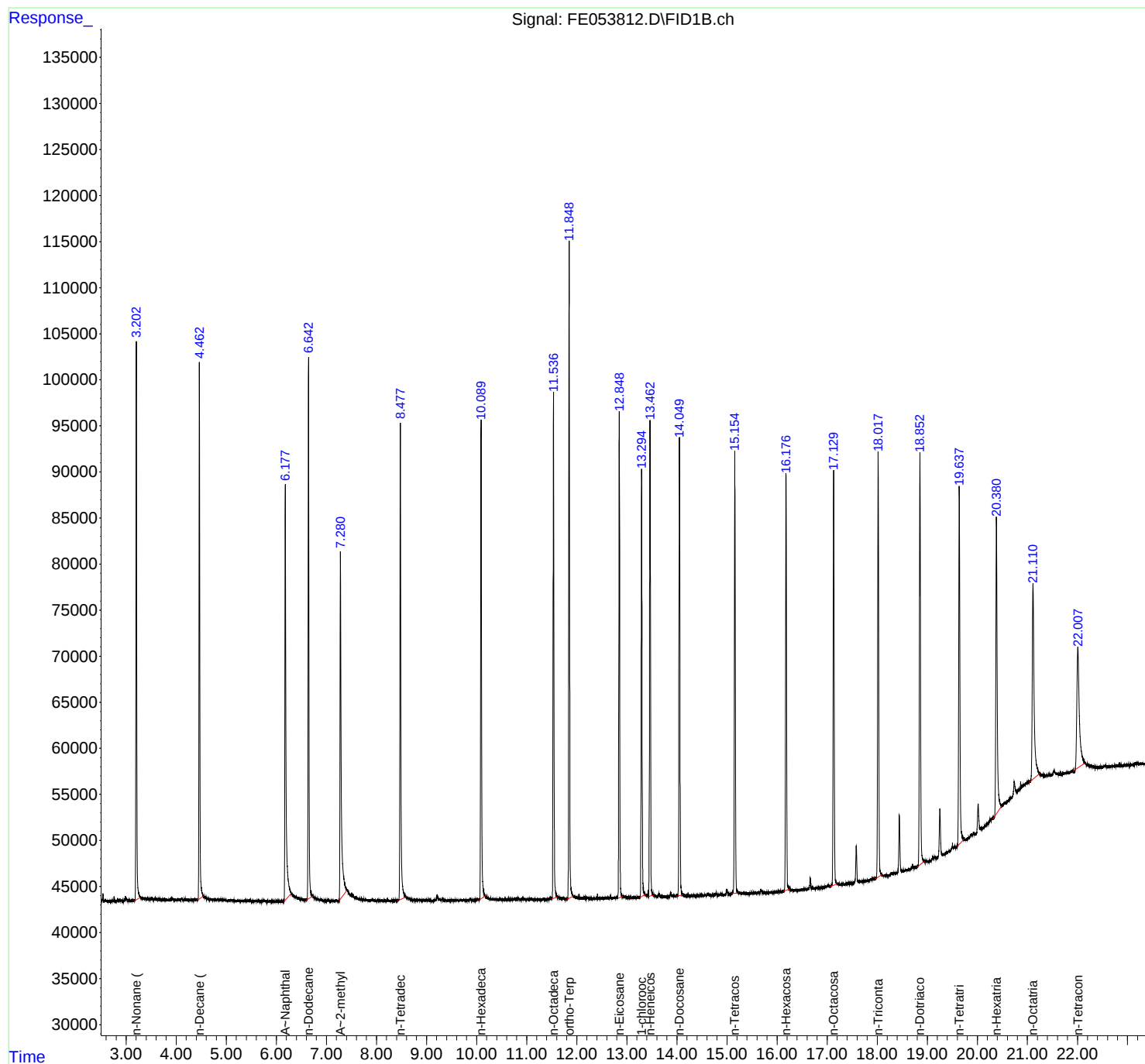
(m)=manual int.

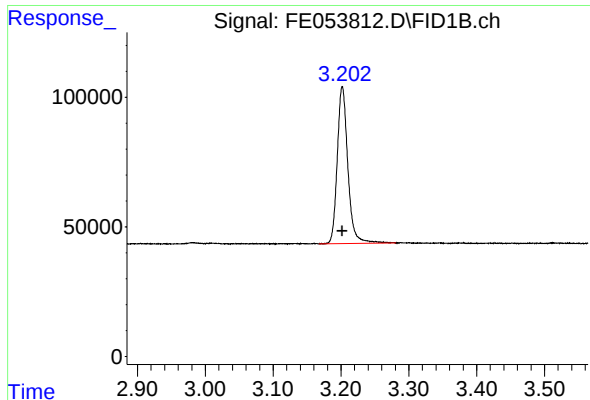
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053812.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 11:48
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: May 14 12:15:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
Quant Title : GC Extractables
QLast Update : Wed May 14 12:14:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

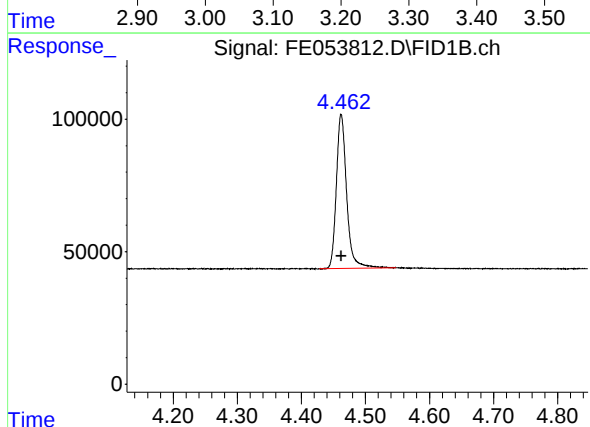




#1 n-Nonane (C9)

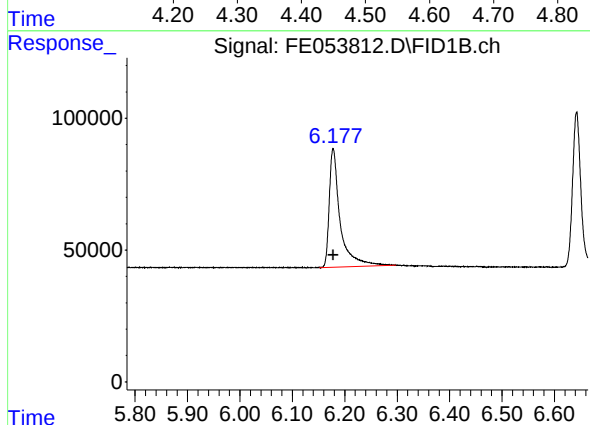
R.T.: 3.202 min
Delta R.T.: 0.000 min
Response: 656566
Conc: 4.86 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



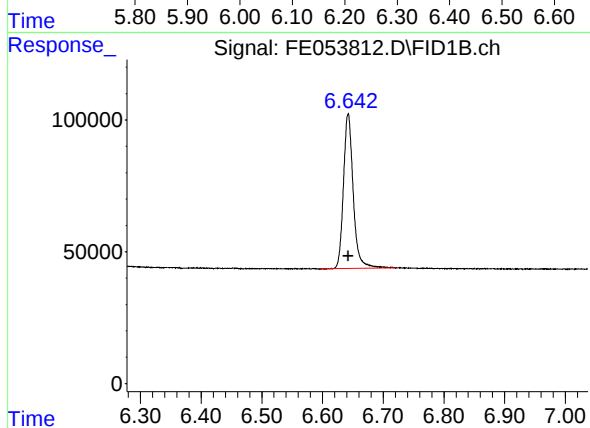
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: 0.000 min
Response: 648937
Conc: 4.80 ug/ml



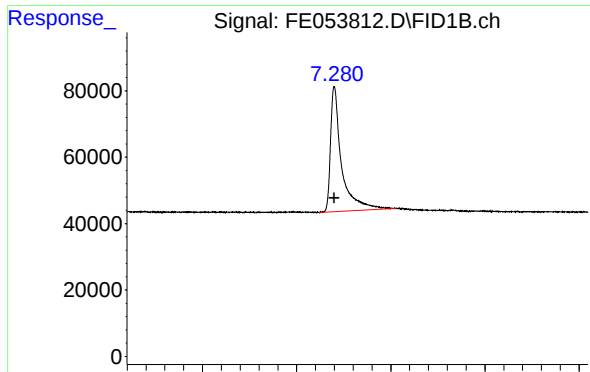
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 655292
Conc: 4.56 ug/ml



#4 n-Dodecane (C12)

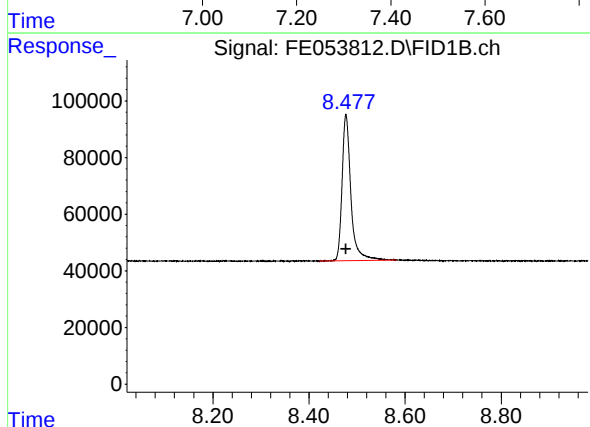
R.T.: 6.642 min
Delta R.T.: 0.000 min
Response: 655154
Conc: 4.80 ug/ml



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

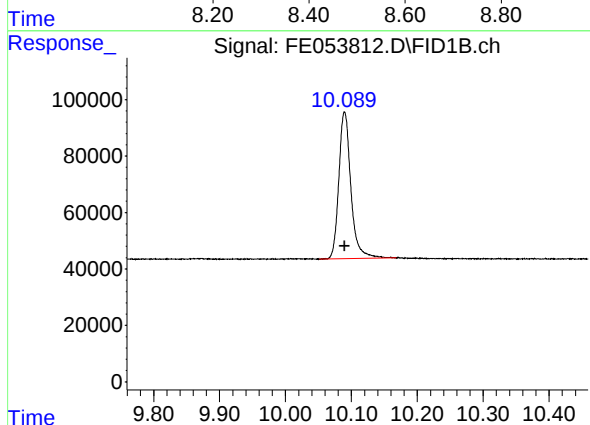
R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 614016
Conc: 4.43 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



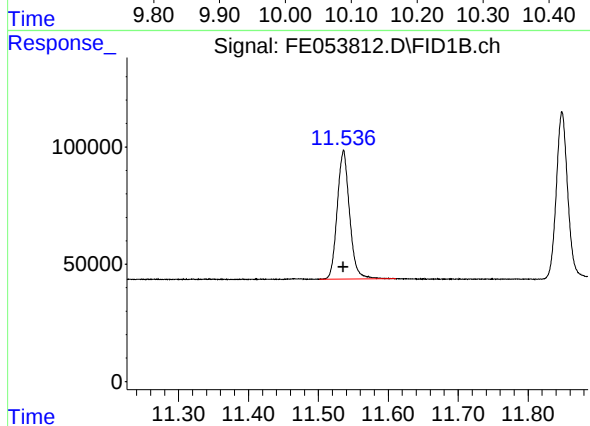
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 659483
Conc: 4.89 ug/ml



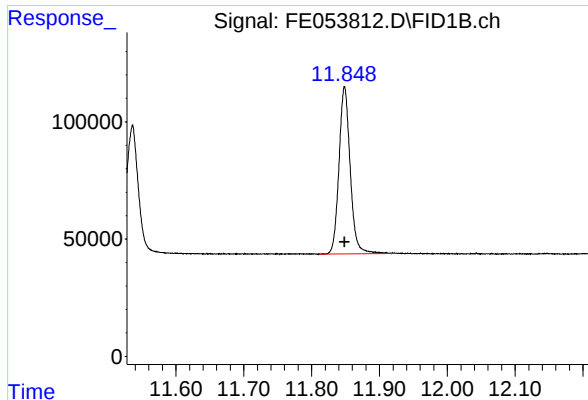
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: 0.000 min
Response: 660971
Conc: 4.90 ug/ml



#8 n-Octadecane (C18)

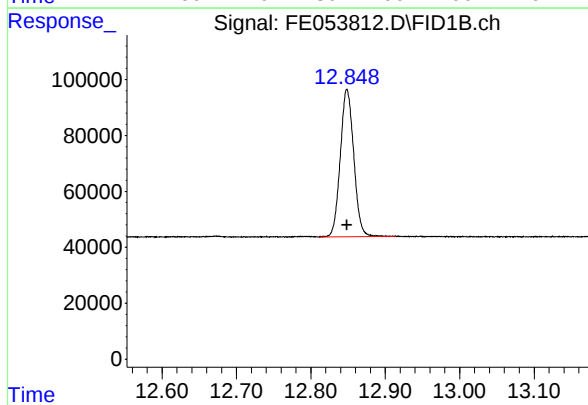
R.T.: 11.536 min
Delta R.T.: 0.000 min
Response: 672526
Conc: 4.99 ug/ml



#9 ortho-Terphenyl (SURR)

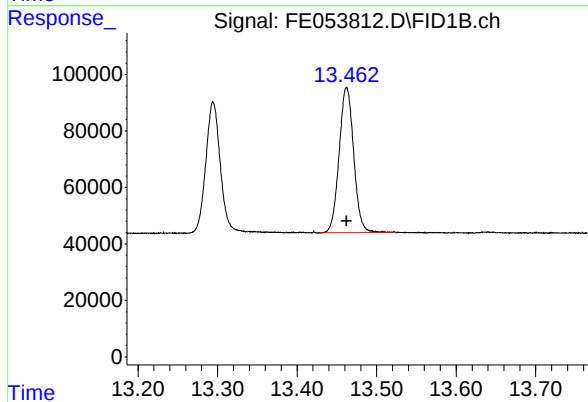
R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 817153
Conc: 5.03 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



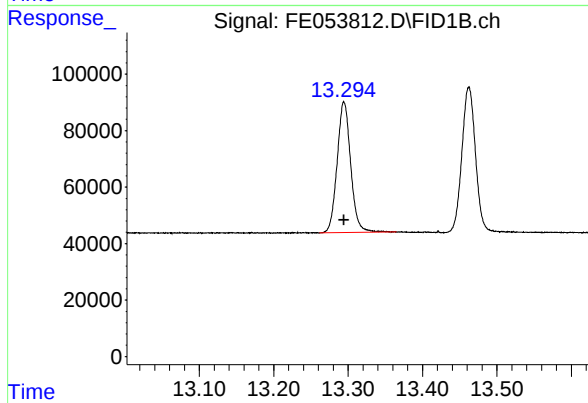
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.000 min
Response: 663340
Conc: 5.05 ug/ml



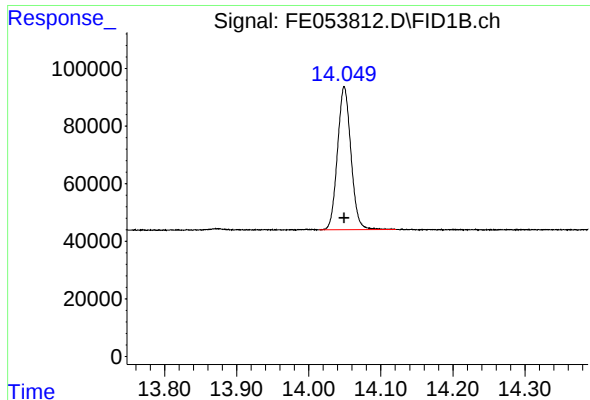
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 654852
Conc: 5.05 ug/ml



#12 1-chlorooctadecane (SURR)

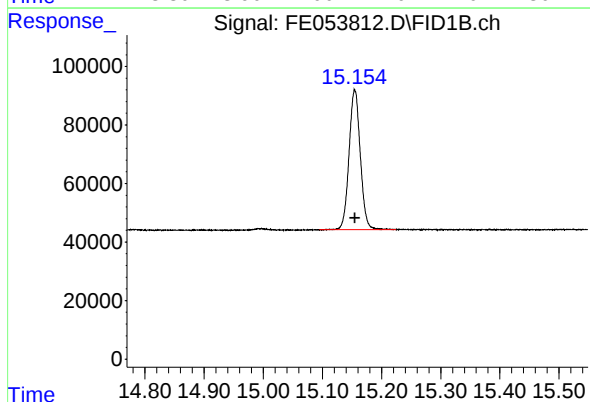
R.T.: 13.295 min
Delta R.T.: 0.000 min
Response: 587641
Conc: 4.96 ug/ml



#13 n-Docosane (C22)

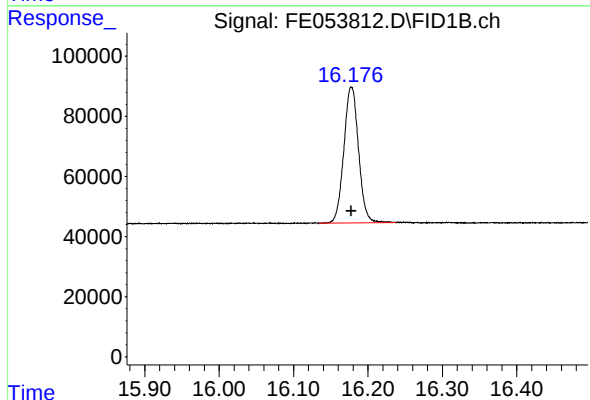
R.T.: 14.049 min
Delta R.T.: 0.000 min
Response: 643626
Conc: 5.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



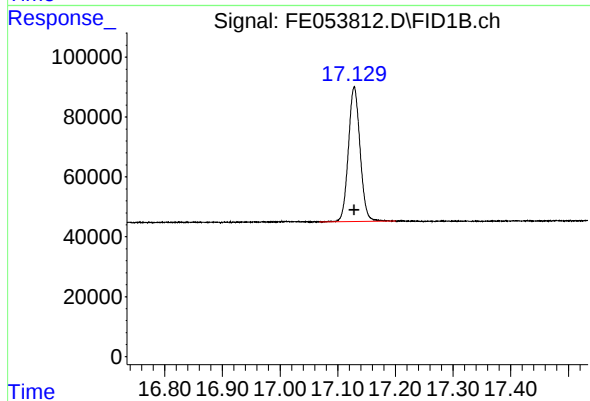
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 631655
Conc: 5.05 ug/ml



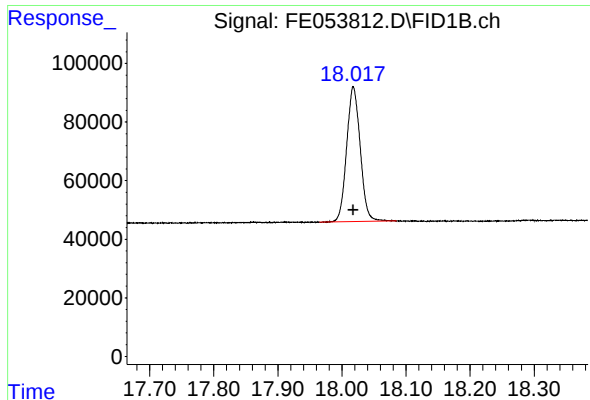
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 619264
Conc: 5.06 ug/ml



#16 n-Octacosane (C28)

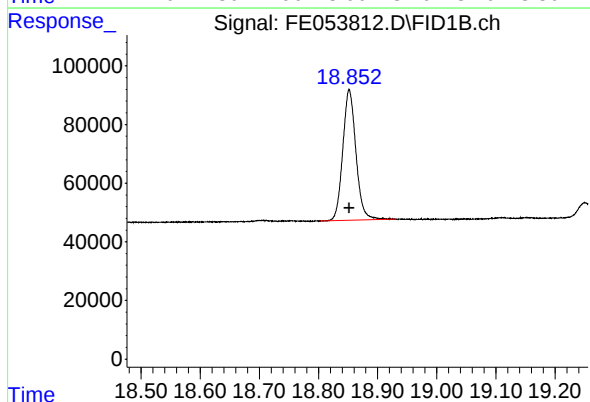
R.T.: 17.129 min
Delta R.T.: 0.000 min
Response: 632971
Conc: 5.21 ug/ml



#17 n-Tricontane (C30)

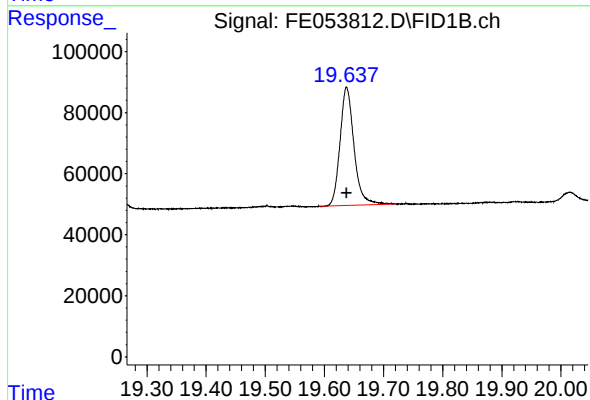
R.T.: 18.018 min
Delta R.T.: 0.000 min
Response: 674483
Conc: 5.41 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



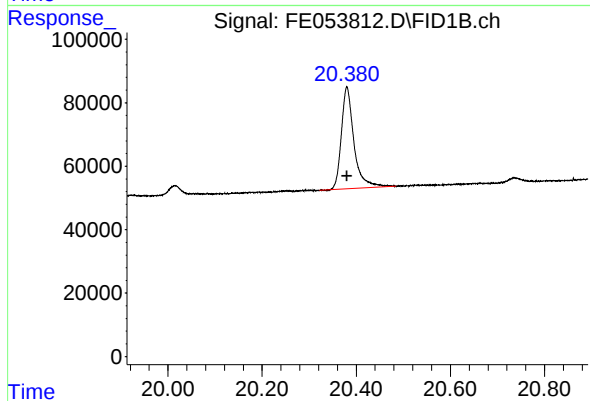
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: 0.000 min
Response: 688933
Conc: 5.51 ug/ml



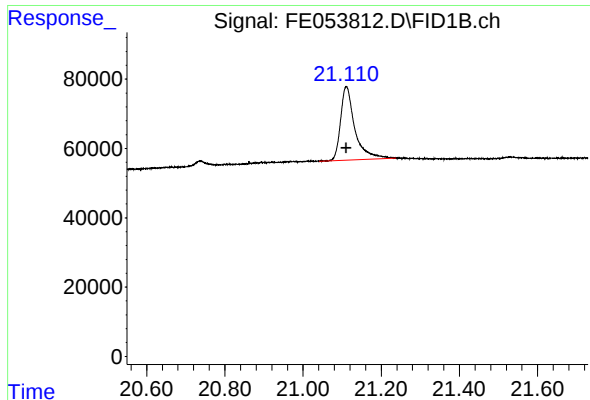
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 636572
Conc: 5.34 ug/ml



#20 n-Hexatriacontane (C36)

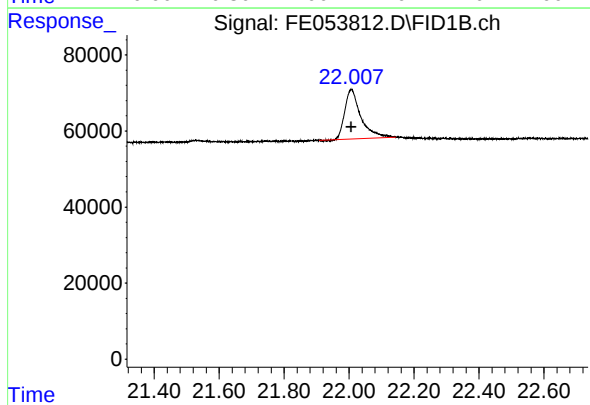
R.T.: 20.380 min
Delta R.T.: 0.000 min
Response: 597732
Conc: 5.16 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: 0.000 min
Response: 534678
Conc: 4.91 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.007 min
Delta R.T.: 0.000 min
Response: 446823
Conc: 4.50 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053812.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 11:48
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.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	3.202	3.168	3.281	BB	60519	656566	80.35%	4.672%
2	4.462	4.428	4.548	BB	58217	648937	79.41%	4.618%
3	6.178	6.151	6.298	BB	45028	655292	80.19%	4.663%
4	6.642	6.594	6.721	BB	58653	655154	80.18%	4.662%
5	7.280	7.248	7.411	BB	37424	614016	75.14%	4.369%
6	8.477	8.421	8.581	BB	51390	659483	80.70%	4.693%
7	10.090	10.051	10.168	BB	51984	660971	80.89%	4.704%
8	11.536	11.501	11.611	BB	53831	672526	82.30%	4.786%
9	11.849	11.811	11.924	BB	70934	817153	100.00%	5.815%
10	12.849	12.811	12.914	BB	52788	663340	81.18%	4.720%
11	13.295	13.261	13.364	BB	46345	587641	71.91%	4.182%
12	13.462	13.428	13.524	BB	51537	654852	80.14%	4.660%
13	14.049	14.014	14.121	BB	49489	643626	78.76%	4.580%
14	15.155	15.094	15.224	BB	47817	631655	77.30%	4.495%
15	16.178	16.134	16.238	BB	45304	619264	75.78%	4.407%
16	17.129	17.068	17.201	BB	44838	632971	77.46%	4.504%
17	18.018	17.964	18.084	BB	46030	674483	82.54%	4.800%
18	18.852	18.801	18.931	BB	44529	688933	84.31%	4.903%
19	19.638	19.591	19.721	BB	38732	636572	77.90%	4.530%
20	20.380	20.321	20.484	BB	32119	597732	73.15%	4.254%
21	21.111	21.041	21.238	BB	21187	534678	65.43%	3.805%
22	22.007	21.908	22.144	BB	13080	446823	54.68%	3.180%
Sum of corrected areas:						14052667		

Aliphatic EPH 051425.M Wed May 14 13:22:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053813.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 12:18
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: May 14 12:57:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.850	3413619	21.005 ug/ml
Spiked Amount 50.000		Recovery =	42.01%
12) S 1-chlorooctadecane (S...	13.295	2500324	21.091 ug/ml
Spiked Amount 50.000		Recovery =	42.18%
Target Compounds			
1) T n-Nonane (C9)	3.201	2840477	21.017 ug/ml
2) T n-Decane (C10)	4.462	2845724	21.059 ug/ml
3) T A~Naphthalene (C11.7)	6.174	3077733	21.416 ug/ml
4) T n-Dodecane (C12)	6.642	2883394	21.138 ug/ml
5) T A~2-methylnaphthalene...	7.276	2959846	21.339 ug/ml
6) T n-Tetradecane (C14)	8.477	2848811	21.110 ug/ml
7) T n-Hexadecane (C16)	10.090	2849304	21.116 ug/ml
8) T n-Octadecane (C18)	11.537	2838941	21.082 ug/ml
10) T n-Eicosane (C20)	12.849	2781635	21.165 ug/ml
11) T n-Heneicosane (C21)	13.462	2735043	21.097 ug/ml
13) T n-Docosane (C22)	14.051	2739221	21.471 ug/ml
14) T n-Tetracosane (C24)	15.155	2780446	22.223 ug/ml
15) T n-Hexacosane (C26)	16.178	2752523	22.478 ug/ml
16) T n-Octacosane (C28)	17.130	2740949	22.547 ug/ml
17) T n-Tricontane (C30)	18.019	2774148	22.271 ug/ml
18) T n-Dotriacontane (C32)	18.853	2741566	21.923 ug/ml
19) T n-Tetratriacontane (C34)	19.638	2579599	21.655 ug/ml
20) T n-Hexatriacontane (C36)	20.380	2437142	21.048 ug/ml
21) T n-Octatriacontane (C38)	21.111	2329830	21.409 ug/ml
22) T n-Tetracontane (C40)	22.009	2189291	22.063 ug/ml

(f)=RT Delta > 1/2 Window

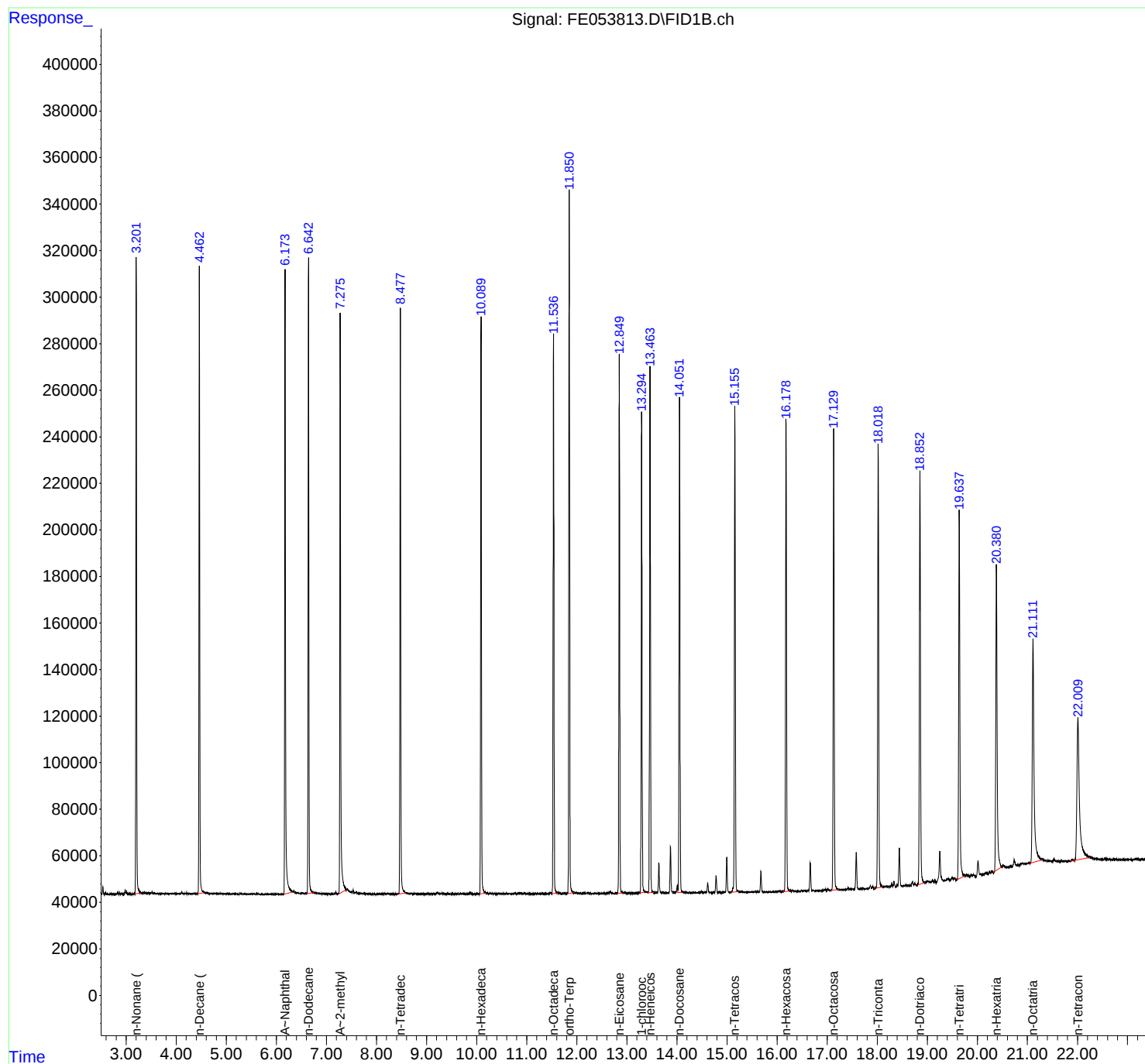
(m)=manual int.

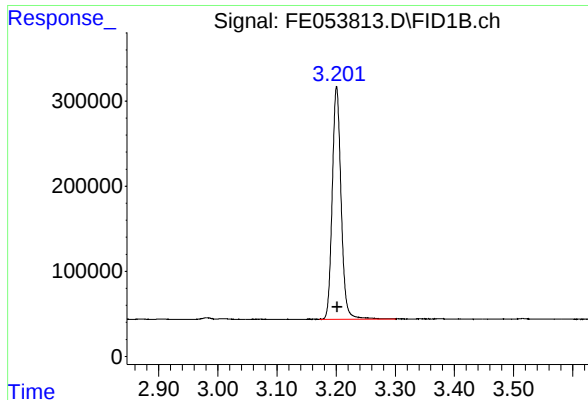
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
Data File : FE053813.D
Signal(s) : FID1B.ch
Acq On : 14 May 2025 12:18
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: May 14 12:57:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
Quant Title : GC Extractables
QLast Update : Wed May 14 12:15:41 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)

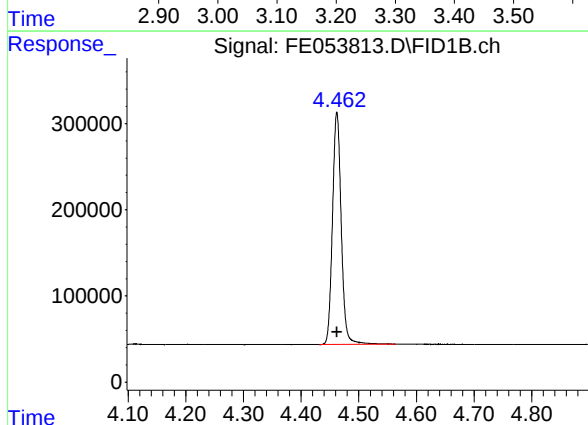
R.T.: 3.201 min
Delta R.T.: -0.001 min
Response: 2840477
Conc: 21.02 ug/ml

Instrument :

FID_E

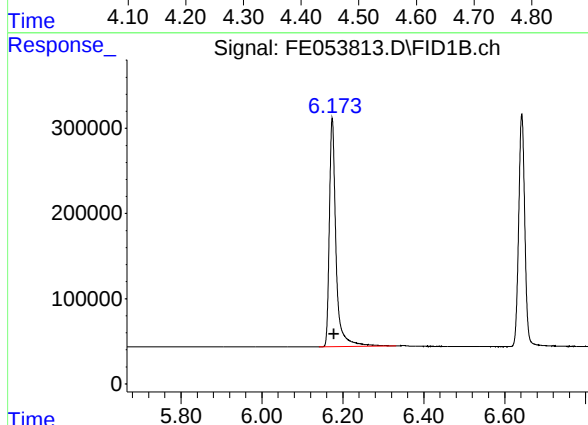
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



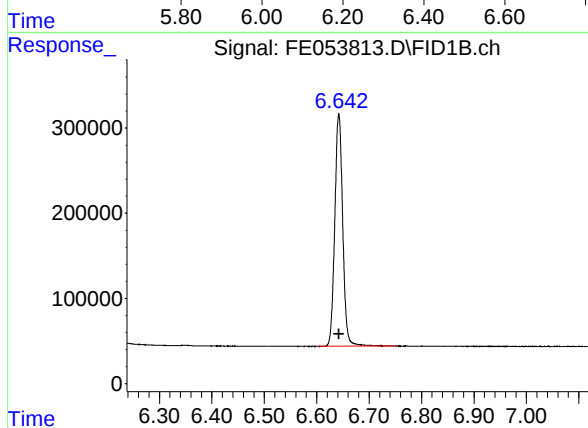
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: 0.000 min
Response: 2845724
Conc: 21.06 ug/ml



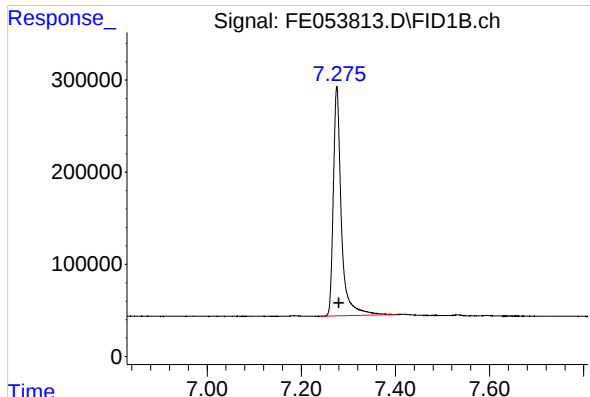
#3 A~Naphthalene (C11.7)

R.T.: 6.174 min
Delta R.T.: -0.004 min
Response: 3077733
Conc: 21.42 ug/ml



#4 n-Dodecane (C12)

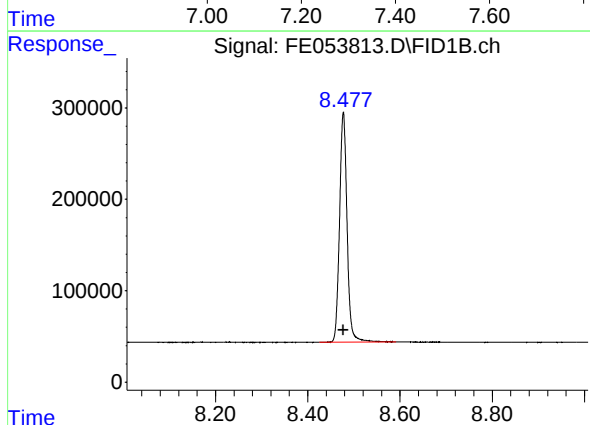
R.T.: 6.642 min
Delta R.T.: 0.000 min
Response: 2883394
Conc: 21.14 ug/ml



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

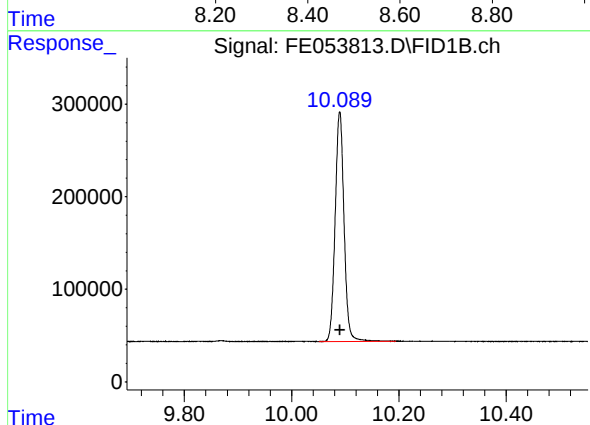
R.T.: 7.276 min
Delta R.T.: -0.005 min
Response: 2959846
Conc: 21.34 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



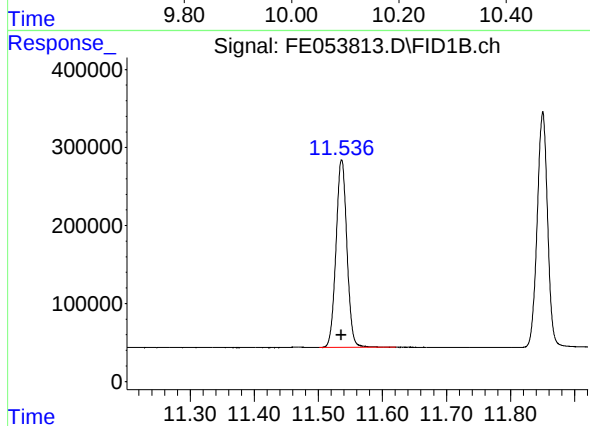
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 2848811
Conc: 21.11 ug/ml



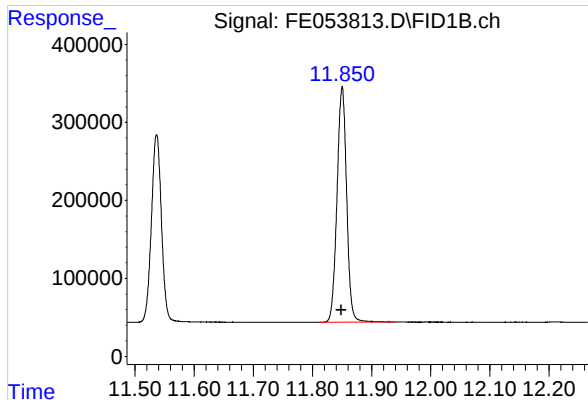
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: 0.000 min
Response: 2849304
Conc: 21.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.537 min
Delta R.T.: 0.000 min
Response: 2838941
Conc: 21.08 ug/ml



#9 ortho-Terphenyl (SURR)

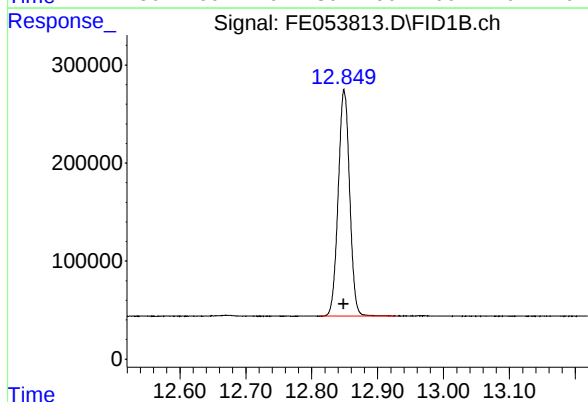
R.T.: 11.850 min
Delta R.T.: 0.002 min
Response: 3413619
Conc: 21.01 ug/ml

Instrument :

FID_E

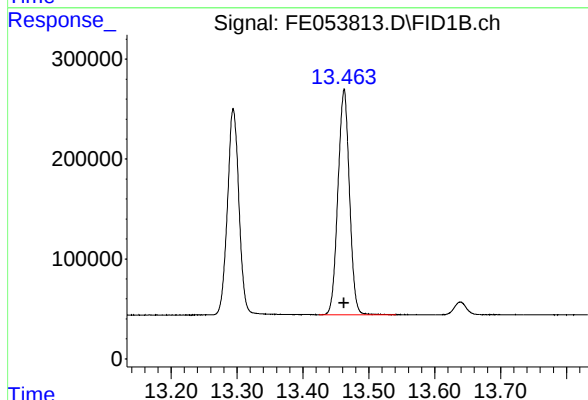
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



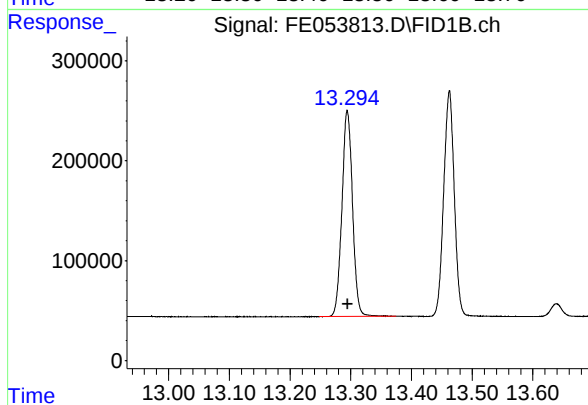
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.000 min
Response: 2781635
Conc: 21.16 ug/ml



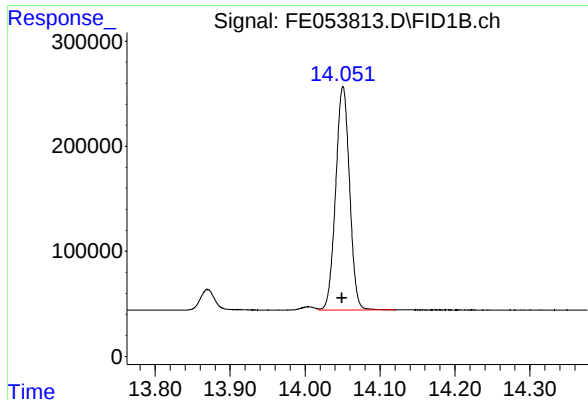
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 2735043
Conc: 21.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: 0.000 min
Response: 2500324
Conc: 21.09 ug/ml



#13 n-Docosane (C22)

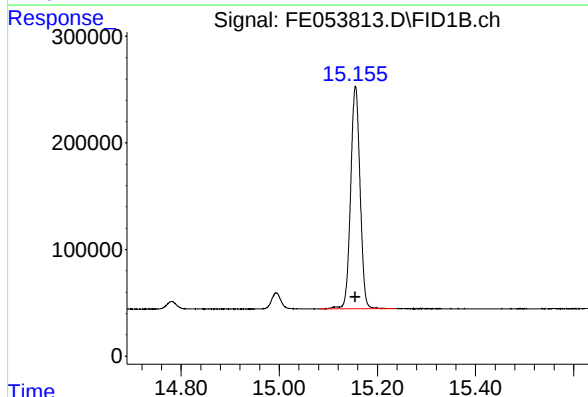
R.T.: 14.051 min
Delta R.T.: 0.001 min
Response: 2739221
Conc: 21.47 ug/ml

Instrument :

FID_E

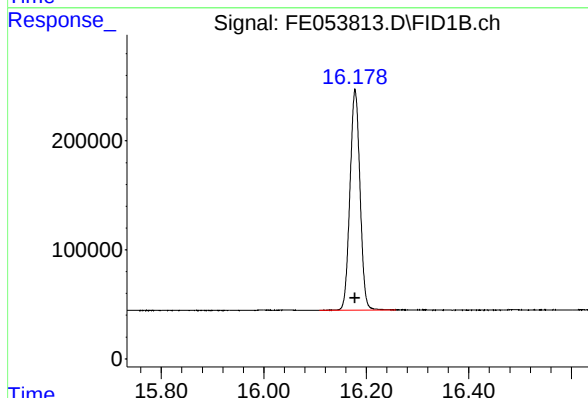
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



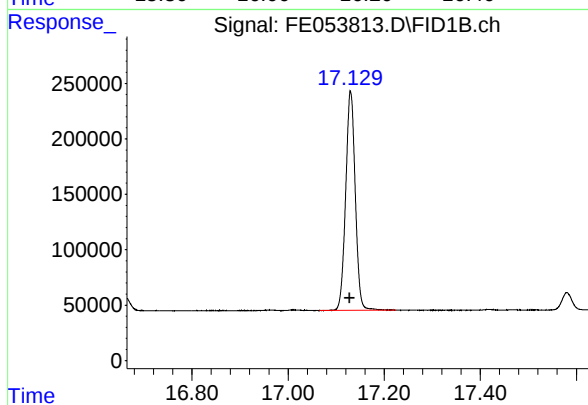
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 2780446
Conc: 22.22 ug/ml



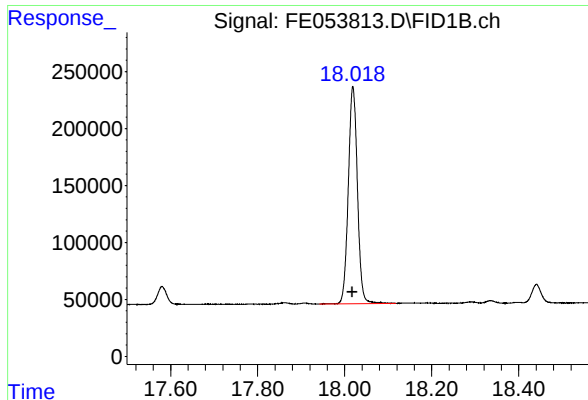
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2752523
Conc: 22.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: 0.002 min
Response: 2740949
Conc: 22.55 ug/ml



#17 n-Tricontane (C30)

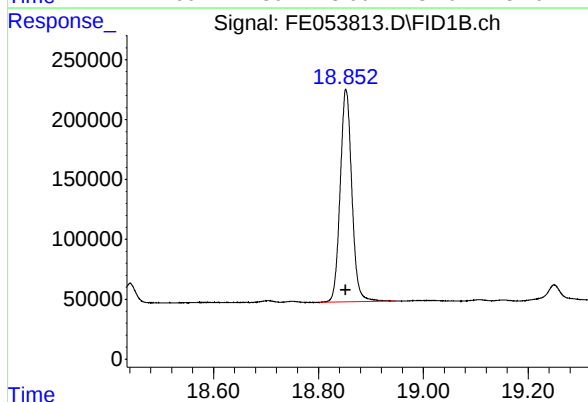
R.T.: 18.019 min
Delta R.T.: 0.001 min
Response: 2774148
Conc: 22.27 ug/ml

Instrument :

FID_E

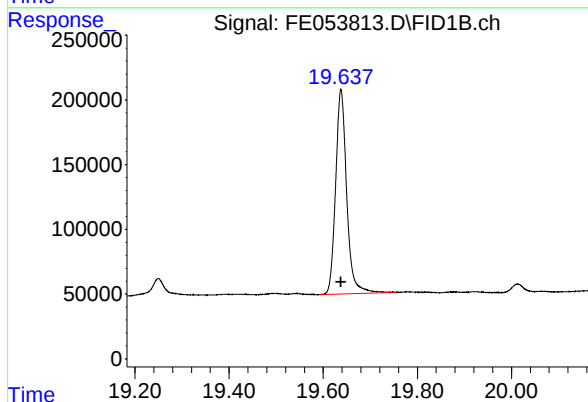
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



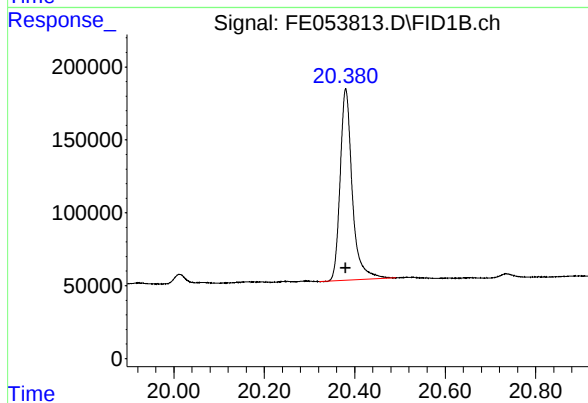
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: 0.000 min
Response: 2741566
Conc: 21.92 ug/ml



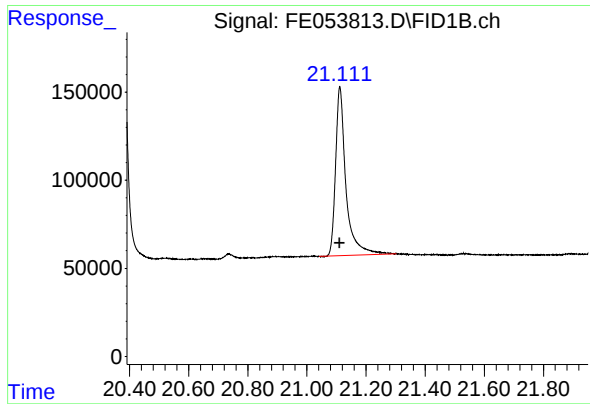
#19 n-Tetatriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 2579599
Conc: 21.66 ug/ml



#20 n-Hexatriacontane (C36)

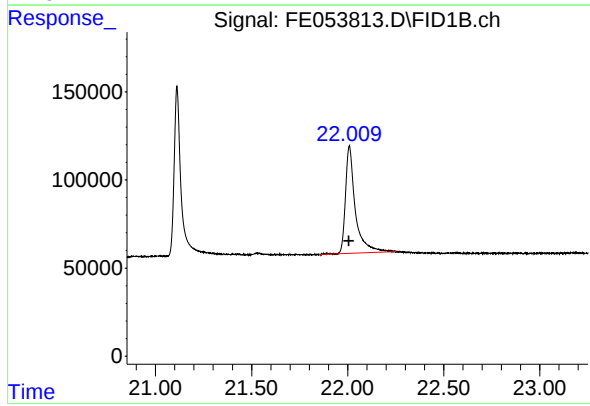
R.T.: 20.380 min
Delta R.T.: 0.000 min
Response: 2437142
Conc: 21.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: 0.000 min
Response: 2329830
Conc: 21.41 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.009 min
Delta R.T.: 0.002 min
Response: 2189291
Conc: 22.06 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053813.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2025 12:18
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.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	3.201	3.171	3.301	BB	272797	2840477	83.21%	4.684%
2	4.462	4.431	4.565	BB	269132	2845724	83.36%	4.693%
3	6.174	6.141	6.331	BV	267230	3077733	90.16%	5.075%
4	6.642	6.605	6.751	BB	272488	2883394	84.47%	4.755%
5	7.276	7.238	7.401	BV	248544	2959846	86.71%	4.881%
6	8.477	8.425	8.591	BB	251057	2848811	83.45%	4.698%
7	10.090	10.051	10.195	BB	248727	2849304	83.47%	4.699%
8	11.537	11.501	11.621	BB	241313	2838941	83.17%	4.682%
9	11.850	11.811	11.941	BB	302259	3413619	100.00%	5.629%
10	12.849	12.811	12.928	BB	230666	2781635	81.49%	4.587%
11	13.295	13.248	13.375	BB	205604	2500324	73.25%	4.123%
12	13.462	13.425	13.541	BB	223621	2735043	80.12%	4.510%
13	14.051	14.019	14.121	VB	212868	2739221	80.24%	4.517%
14	15.155	15.081	15.238	BB	208871	2780446	81.45%	4.585%
15	16.178	16.108	16.258	BB	202458	2752523	80.63%	4.539%
16	17.130	17.065	17.225	BB	197046	2740949	80.29%	4.520%
17	18.019	17.941	18.118	BB	190552	2774148	81.27%	4.575%
18	18.853	18.801	18.948	BB	178106	2741566	80.31%	4.521%
19	19.638	19.591	19.755	BB	158235	2579599	75.57%	4.254%
20	20.380	20.321	20.491	BV	131246	2437142	71.39%	4.019%
21	21.111	21.041	21.301	BB	96058	2329830	68.25%	3.842%
22	22.009	21.851	22.251	BB	61078	2189291	64.13%	3.610%
Sum of corrected areas:							60639566	

Aliphatic EPH 051425.M Wed May 14 13:22:02 2025