

Initial Calibration Report for SequenceID : FE110724AL

AreaCount

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	40063780.000	21137224.000	8264114.000	4331556.000	2144887.000	
Aliphatic C12-C16	26499750.000	14057359.000	5586564.000	2913018.000	1447905.000	
Aliphatic C16-C21	38600621.000	20520000.000	8195408.000	4299352.000	2152043.000	
Aliphatic C21-C28	49929068.000	26341355.000	10608674.000	5580376.000	2822212.000	
Aliphatic C28-C40	66927536.000	37036837.000	15654323.000	8140009.000	4278617.000	
Aliphatic EPH	222020755.000	119092775.000	48309083.000	25264311.000	12845664.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	139914.7319996	3.111				
Aliphatic C12-C16	140635.568	3.722				
Aliphatic C16-C21	137768.027333	4.421				
Aliphatic C21-C28	133951.574	4.9				
Aliphatic C28-C40	128748.4183328	9.249				
Aliphatic EPH	134589.7899996	5.649				

Concentration

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.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	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	133545.933333	140914.826666	137735.233333	144385.200000	142992.466666	
Aliphatic C12-C16	132498.750000	140573.590000	139664.100000	145650.900000	144790.500000	
Aliphatic C16-C21	128668.736666	136800.000000	136590.133333	143311.733333	143469.533333	

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Aliphatic C21-C28	124822.670000	131706.775000	132608.425000	139509.400000	141110.600000	
Aliphatic C28-C40	111545.893333	123456.123333	130452.691666	135666.816666	142620.566666	
Aliphatic EPH	123344.863888	132325.305555	134191.897222	140357.283333	142729.600000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
 Data File : FE051075.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2024 16:52
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Nov 07 04:49:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:48:22 2024
 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)	11.858	14049939	94.663 ug/ml
Spiked Amount 50.000		Recovery =	189.33%
12) S 1-chlorooctadecane (S...	13.289	10794010	95.789 ug/ml
Spiked Amount 50.000		Recovery =	191.58%
Target Compounds			
1) T n-Nonane (C9)	3.241	13236910	97.465 ug/ml
2) T n-Decane (C10)	4.493	13428166	97.423 ug/ml
3) T A~Naphthalene (C11.7)	6.204	13623683	102.538 ug/ml
4) T n-Dodecane (C12)	6.663	13398704	96.006 ug/ml
5) T A~2-methylnaphthalene...	7.301	12915436	104.141 ug/ml
6) T n-Tetradecane (C14)	8.489	13135139	94.955 ug/ml
7) T n-Hexadecane (C16)	10.095	13364611	94.786 ug/ml
8) T n-Octadecane (C18)	11.537	13365220	94.326 ug/ml
10) T n-Eicosane (C20)	12.843	12736356	93.902 ug/ml
11) T n-Heneicosane (C21)	13.454	12499045	94.372 ug/ml
13) T n-Docosane (C22)	14.040	12430842	94.615 ug/ml
14) T n-Tetracosane (C24)	15.141	12455204	94.910 ug/ml
15) T n-Hexacosane (C26)	16.161	12499744	94.189 ug/ml
16) T n-Octacosane (C28)	17.109	12543278	92.838 ug/ml
17) T n-Tricontane (C30)	17.997	13023156	90.119 ug/ml
18) T n-Dotriacontane (C32)	18.828	13000983	87.779 ug/ml
19) T n-Tetratriacontane (C34)	19.610	11901355	88.615 ug/ml
20) T n-Hexatriacontane (C36)	20.348	10625484	88.459 ug/ml
21) T n-Octatriacontane (C38)	21.071	9770056	84.148 ug/ml
22) T n-Tetracontane (C40)	21.951	8606502	71.980 ug/ml

(f)=RT Delta > 1/2 Window

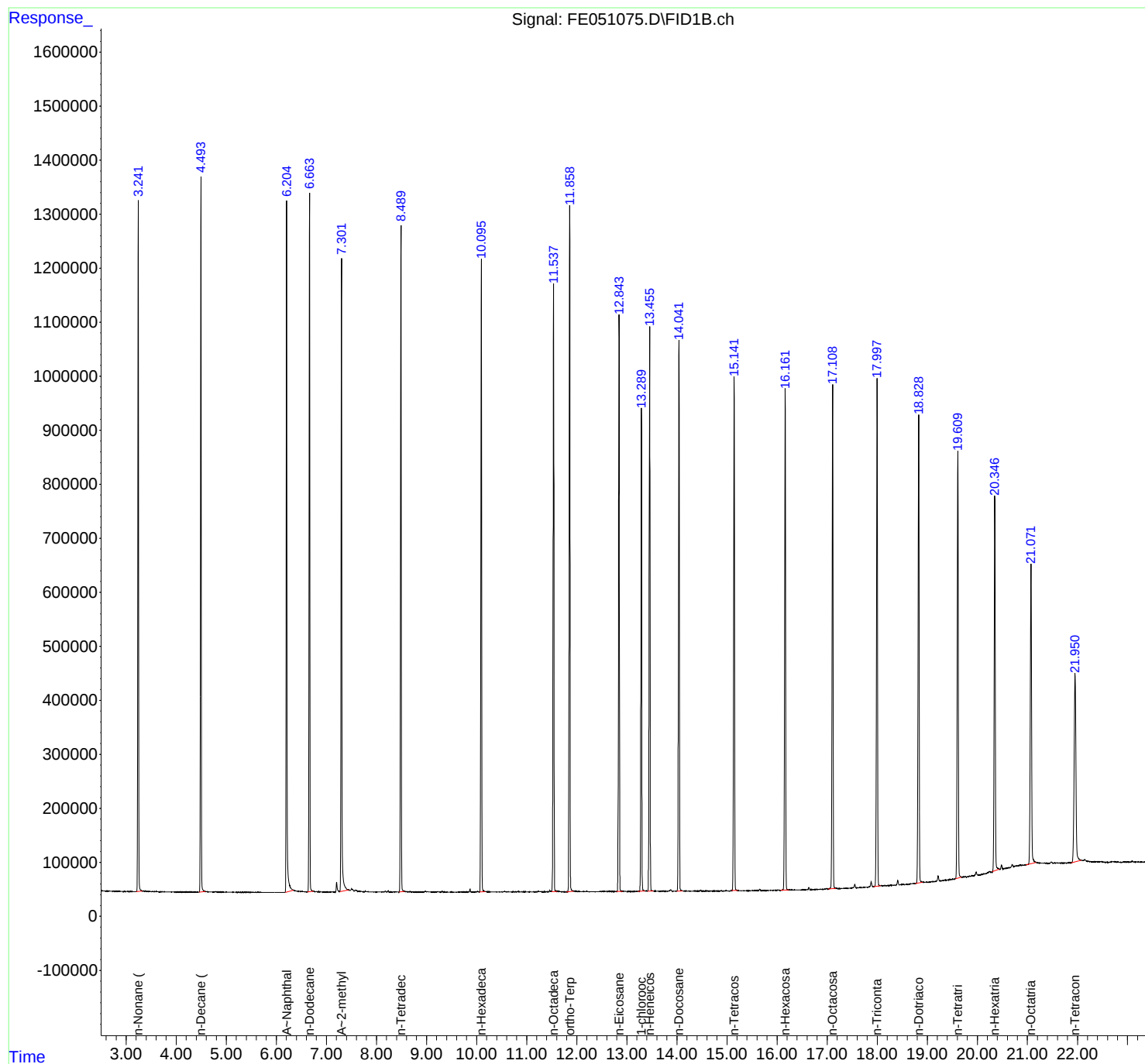
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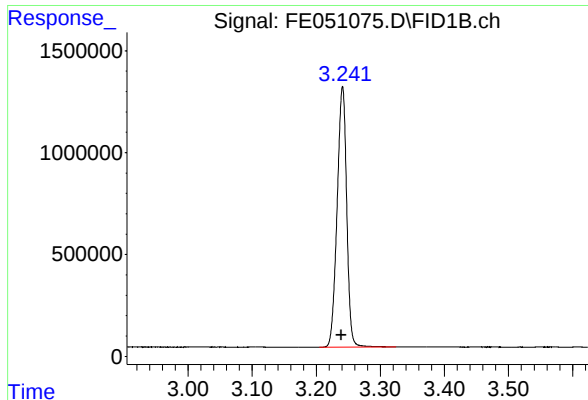
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Data File : FE051075.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 16:52
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Nov 07 04:49:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:48:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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

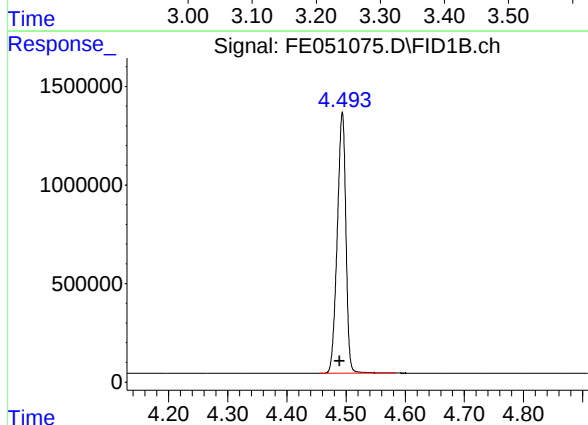




#1 n-Nonane (C9)

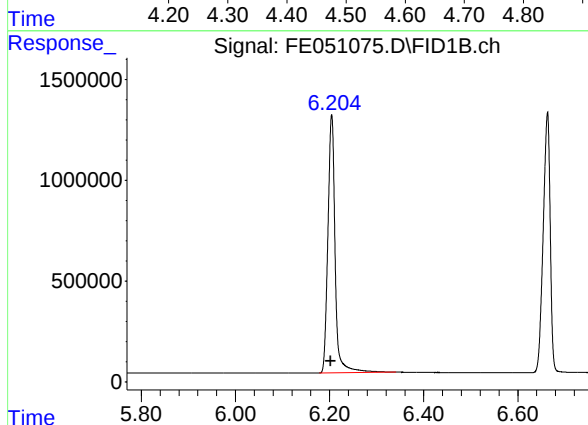
R.T.: 3.241 min
Delta R.T.: 0.002 min
Response: 13236910
Conc: 97.47 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



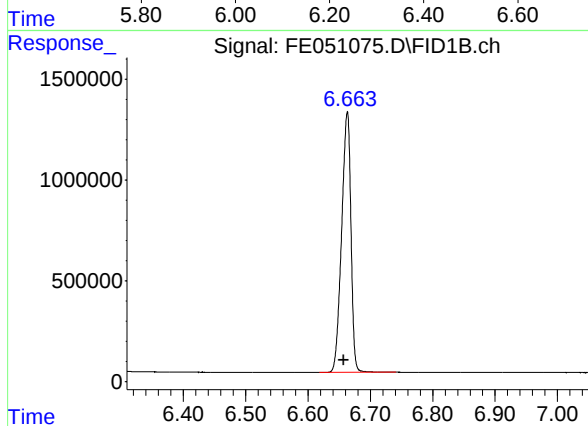
#2 n-Decane (C10)

R.T.: 4.493 min
Delta R.T.: 0.004 min
Response: 13428166
Conc: 97.42 ug/ml



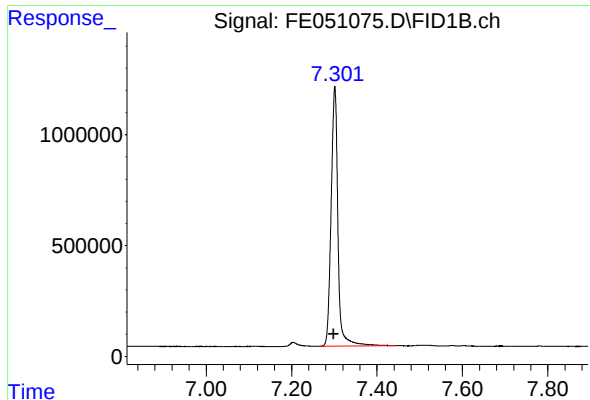
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: 0.002 min
Response: 13623683
Conc: 102.54 ug/ml



#4 n-Dodecane (C12)

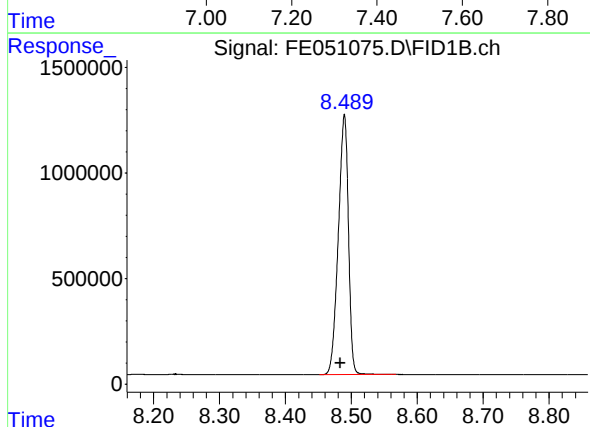
R.T.: 6.663 min
Delta R.T.: 0.005 min
Response: 13398704
Conc: 96.01 ug/ml



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

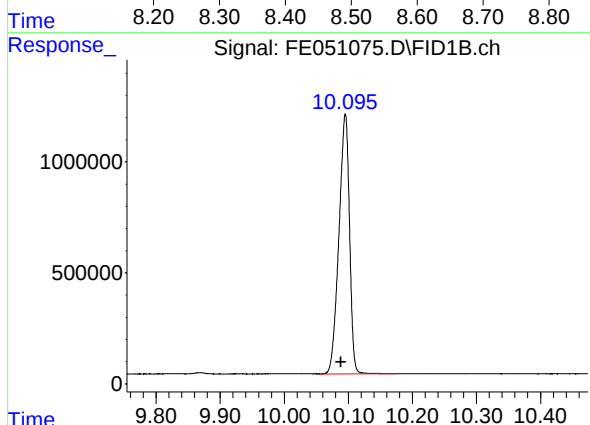
R.T.: 7.301 min
Delta R.T.: 0.003 min
Response: 12915436
Conc: 104.14 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



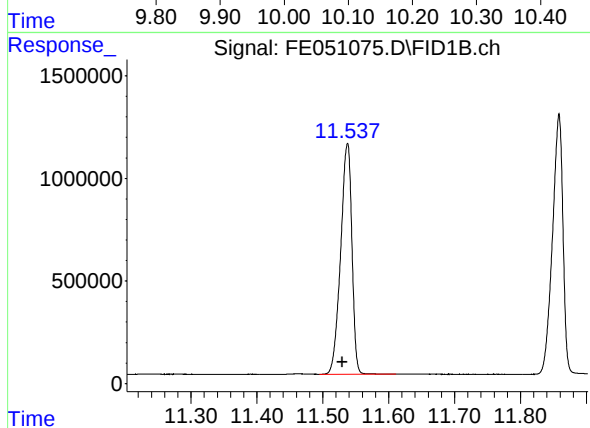
#6 n-Tetradecane (C14)

R.T.: 8.489 min
Delta R.T.: 0.006 min
Response: 13135139
Conc: 94.96 ug/ml



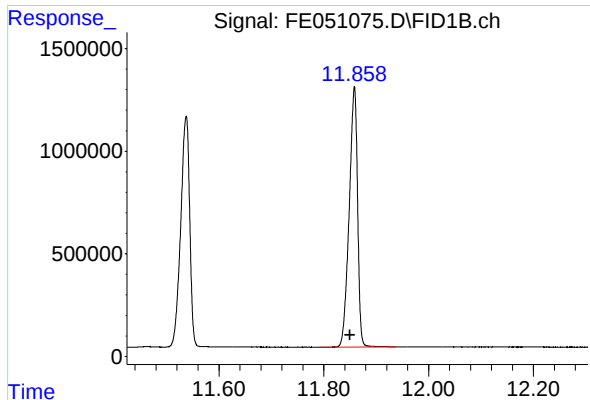
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: 0.006 min
Response: 13364611
Conc: 94.79 ug/ml



#8 n-Octadecane (C18)

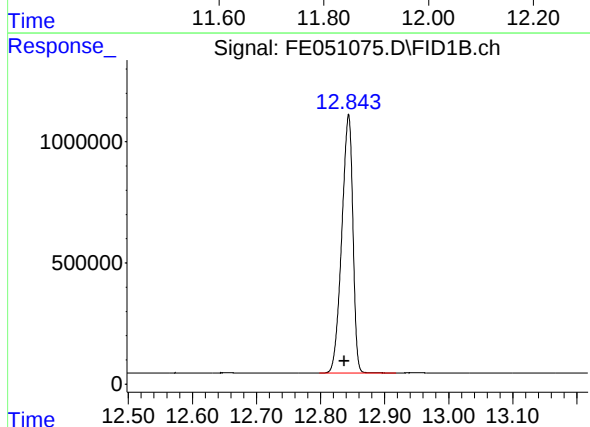
R.T.: 11.537 min
Delta R.T.: 0.007 min
Response: 13365220
Conc: 94.33 ug/ml



#9 ortho-Terphenyl (SURR)

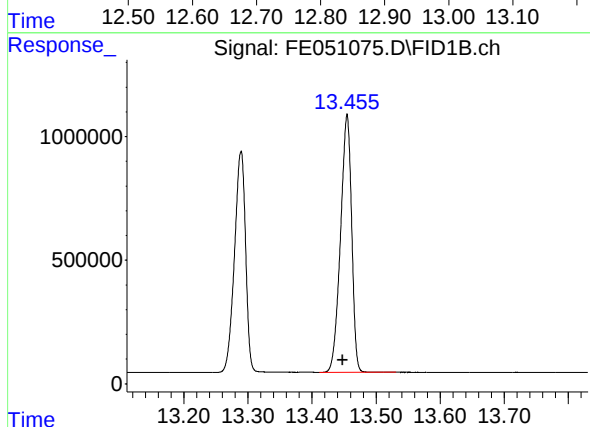
R.T.: 11.858 min
Delta R.T.: 0.007 min
Response: 14049939
Conc: 94.66 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



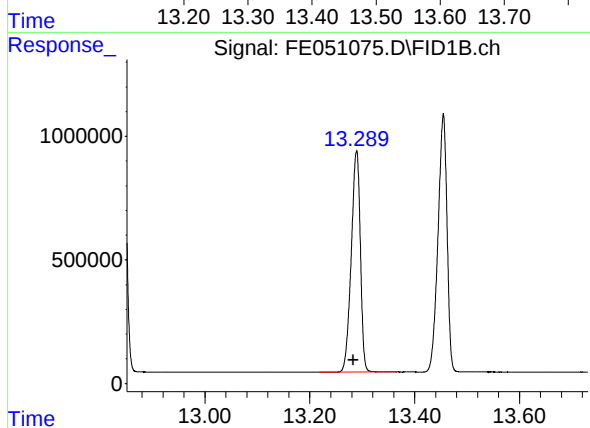
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: 0.006 min
Response: 12736356
Conc: 93.90 ug/ml



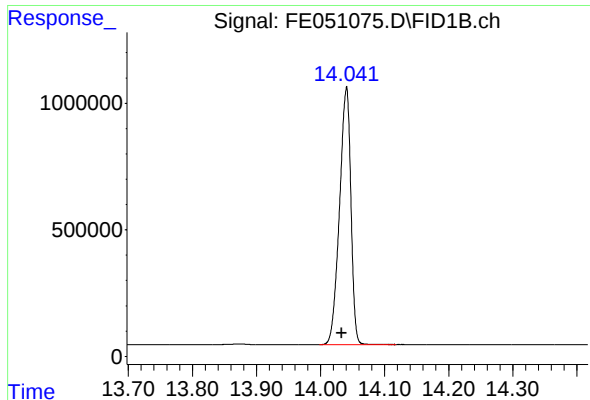
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: 0.007 min
Response: 12499045
Conc: 94.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: 0.006 min
Response: 10794010
Conc: 95.79 ug/ml



#13 n-Docosane (C22)

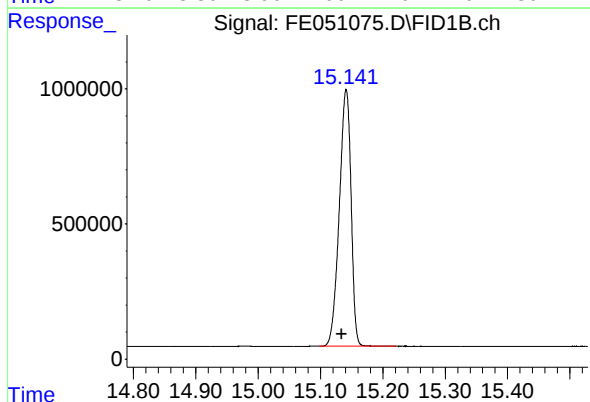
R.T.: 14.040 min
Delta R.T.: 0.007 min
Response: 12430842
Conc: 94.61 ug/ml

Instrument :

FID_E

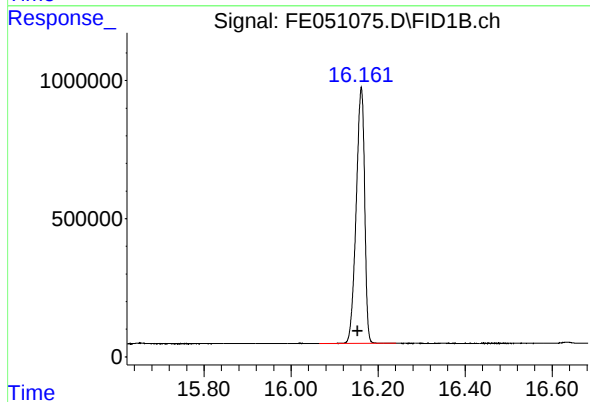
ClientSampleId :

100 PPM ALIPHATIC HC STD1



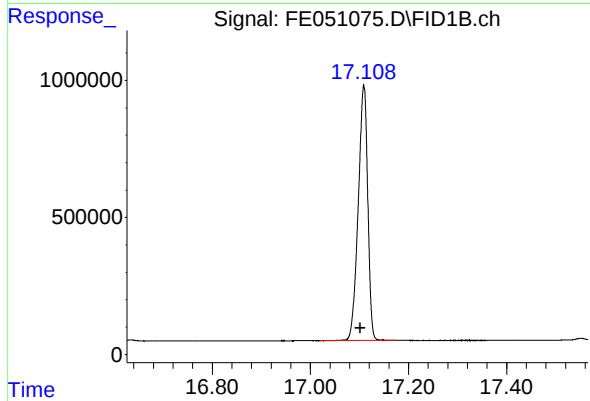
#14 n-Tetracosane (C24)

R.T.: 15.141 min
Delta R.T.: 0.007 min
Response: 12455204
Conc: 94.91 ug/ml



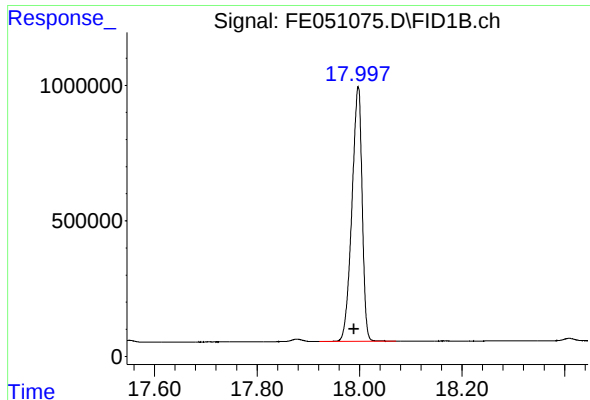
#15 n-Hexacosane (C26)

R.T.: 16.161 min
Delta R.T.: 0.007 min
Response: 12499744
Conc: 94.19 ug/ml



#16 n-Octacosane (C28)

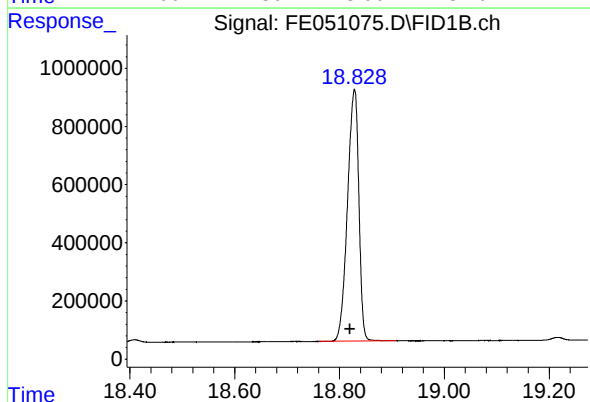
R.T.: 17.109 min
Delta R.T.: 0.007 min
Response: 12543278
Conc: 92.84 ug/ml



#17 n-Tricontane (C30)

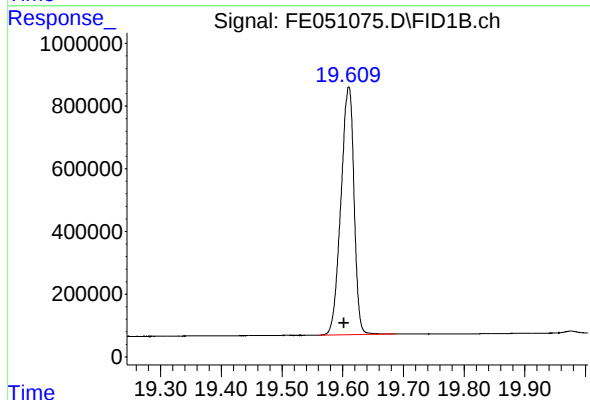
R.T.: 17.997 min
Delta R.T.: 0.008 min
Response: 13023156
Conc: 90.12 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



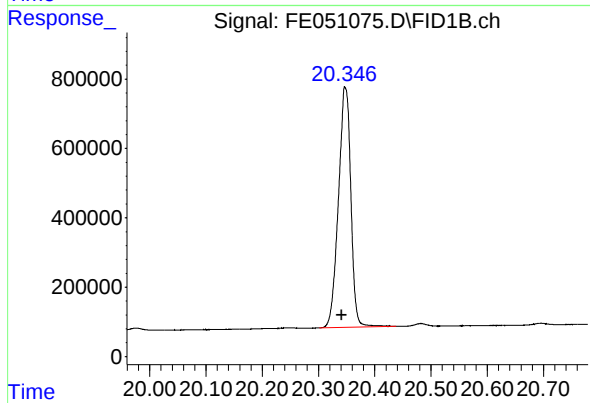
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: 0.008 min
Response: 13000983
Conc: 87.78 ug/ml



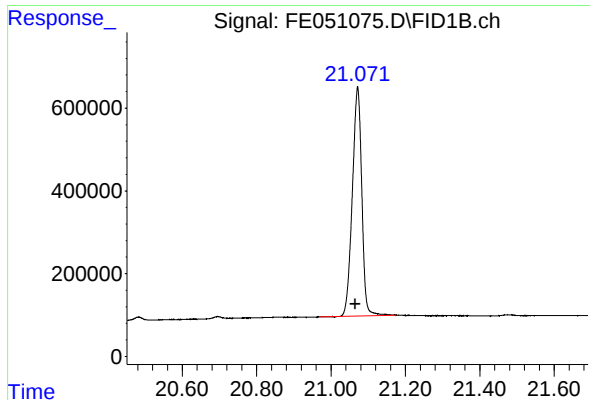
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min
Delta R.T.: 0.007 min
Response: 11901355
Conc: 88.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: 0.006 min
Response: 10625484
Conc: 88.46 ug/ml



#21 n-Octatriacontane (C38)

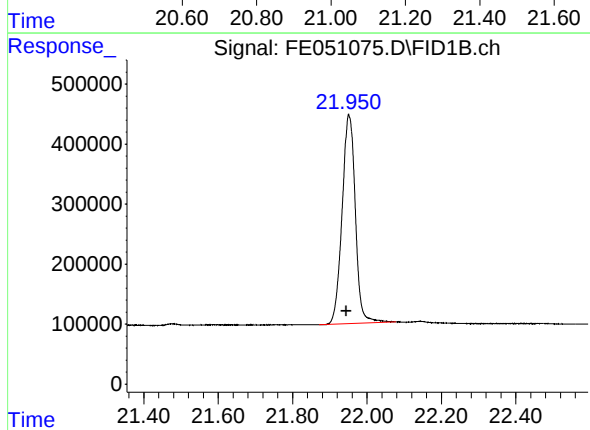
R.T.: 21.071 min
Delta R.T.: 0.006 min
Response: 9770056
Conc: 84.15 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: 0.007 min
Response: 8606502
Conc: 71.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051075.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 16:52
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.241	3.204	3.324	BB	1282476	13236910	94.21%	4.842%
2	4.493	4.454	4.584	BB	1335622	13428166	95.57%	4.911%
3	6.204	6.178	6.341	BB	1283378	13623683	96.97%	4.983%
4	6.663	6.618	6.741	BB	1272231	13398704	95.36%	4.901%
5	7.301	7.264	7.444	BB	1171648	12915436	91.93%	4.724%
6	8.489	8.451	8.568	BB	1213325	13135139	93.49%	4.804%
7	10.095	10.054	10.174	BB	1165575	13364611	95.12%	4.888%
8	11.537	11.494	11.611	BB	1132758	13365220	95.13%	4.888%
9	11.858	11.791	11.938	BB	1262734	14049939	100.00%	5.139%
10	12.843	12.798	12.918	BB	1073167	12736356	90.65%	4.658%
11	13.289	13.218	13.364	BB	892244	10794010	76.83%	3.948%
12	13.454	13.411	13.531	BB	1041507	12499045	88.96%	4.572%
13	14.040	13.998	14.118	BB	1025677	12430842	88.48%	4.547%
14	15.141	15.098	15.221	BB	952246	12455204	88.65%	4.556%
15	16.161	16.064	16.241	BB	926366	12499744	88.97%	4.572%
16	17.109	17.018	17.174	BB	929656	12543278	89.28%	4.588%
17	17.997	17.921	18.071	BB	946288	13023156	92.69%	4.763%
18	18.828	18.761	18.908	BB	864503	13000983	92.53%	4.755%
19	19.610	19.561	19.688	BB	798179	11901355	84.71%	4.353%
20	20.348	20.301	20.438	BB	692880	10625484	75.63%	3.886%
21	21.071	20.968	21.174	BB	553674	9770056	69.54%	3.573%
22	21.951	21.871	22.078	BB	348067	8606502	61.26%	3.148%
Sum of corrected areas:						273403822		

Aliphatic EPH 110724.M Thu Nov 07 06:31:12 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
 Data File : FE051076.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2024 17:22
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Nov 07 04:53:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:53:08 2024
 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	7439471	50.140 ug/ml
Spiked Amount 50.000		Recovery =	100.28%
12) S 1-chlorooctadecane (S...	13.285	5687735	50.749 ug/ml
Spiked Amount 50.000		Recovery =	101.50%
Target Compounds			
1) T n-Nonane (C9)	3.240	6972278	51.044 ug/ml
2) T n-Decane (C10)	4.491	7075762	51.165 ug/ml
3) T A~Naphthalene (C11.7)	6.202	7085104	55.435 ug/ml
4) T n-Dodecane (C12)	6.659	7089184	50.860 ug/ml
5) T A~2-methylnaphthalene...	7.298	6675931	55.258 ug/ml
6) T n-Tetradecane (C14)	8.486	6961580	50.535 ug/ml
7) T n-Hexadecane (C16)	10.091	7095779	50.608 ug/ml
8) T n-Octadecane (C18)	11.533	7120474	50.469 ug/ml
10) T n-Eicosane (C20)	12.840	6769951	49.978 ug/ml
11) T n-Heneicosane (C21)	13.451	6629575	50.154 ug/ml
13) T n-Docosane (C22)	14.035	6576920	50.005 ug/ml
14) T n-Tetracosane (C24)	15.136	6563335	49.928 ug/ml
15) T n-Hexacosane (C26)	16.156	6579401	49.536 ug/ml
16) T n-Octacosane (C28)	17.105	6621699	48.838 ug/ml
17) T n-Tricontane (C30)	17.991	6913369	47.530 ug/ml
18) T n-Dotriacontane (C32)	18.823	6937205	46.458 ug/ml
19) T n-Tetratriacontane (C34)	19.605	6360559	47.290 ug/ml
20) T n-Hexatriacontane (C36)	20.344	5735761	48.355 ug/ml
21) T n-Octatriacontane (C38)	21.068	5583007	49.749 ug/ml
22) T n-Tetracontane (C40)	21.949	5506936	50.466 ug/ml

(f)=RT Delta > 1/2 Window

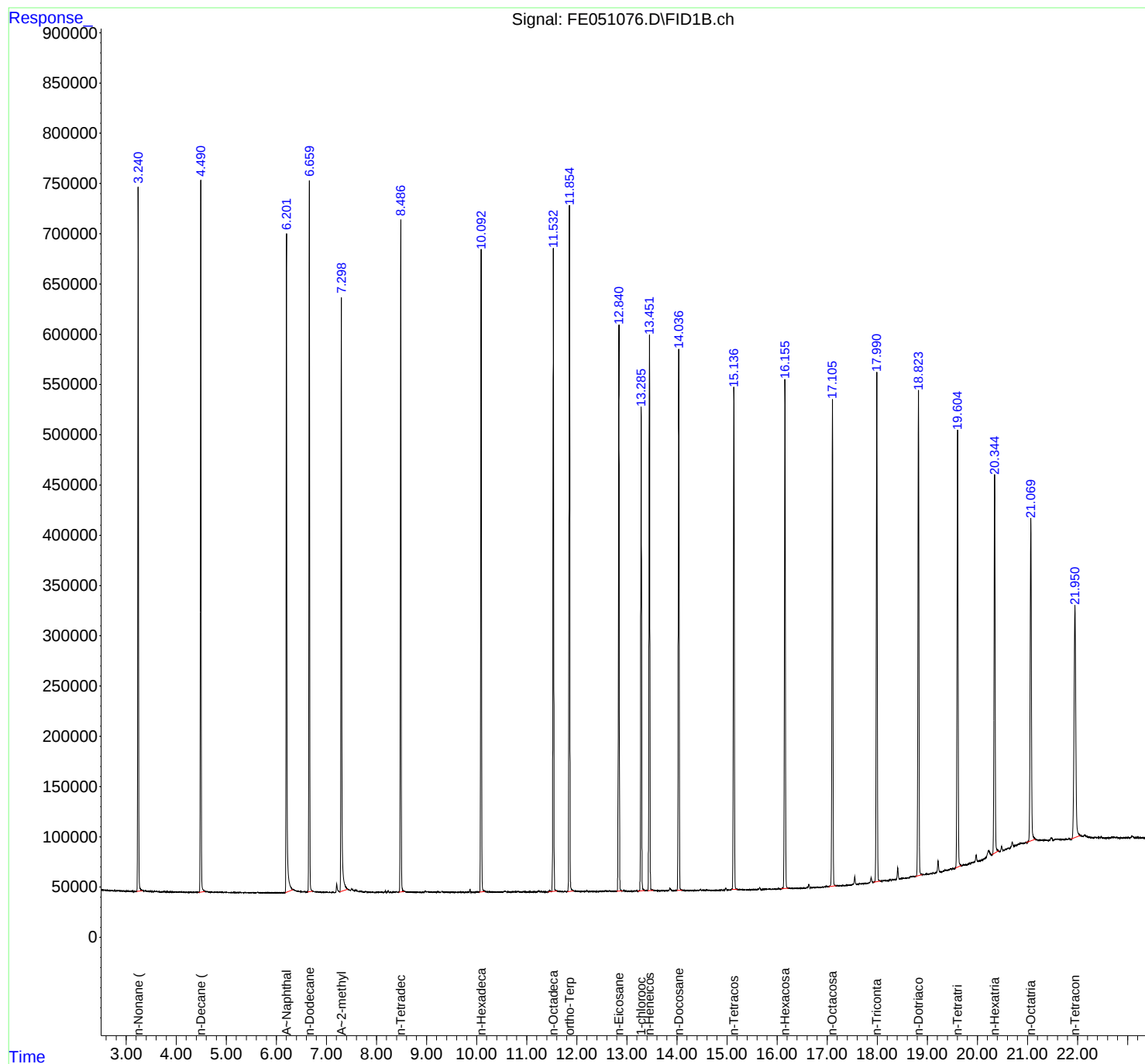
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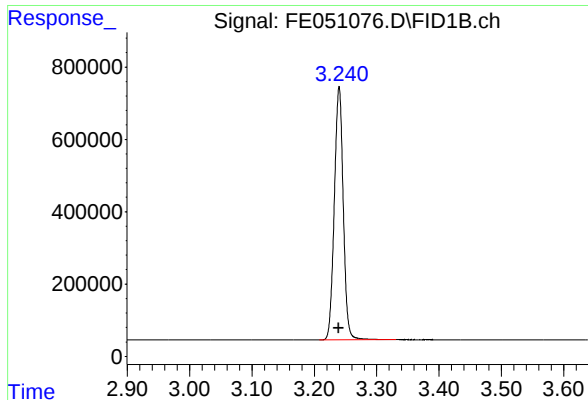
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051076.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:22
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 07 04:53:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

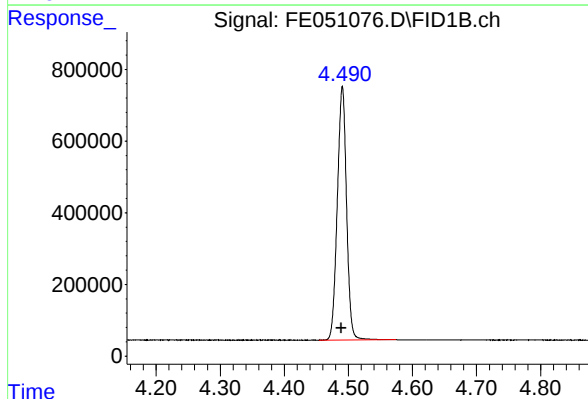




#1 n-Nonane (C9)

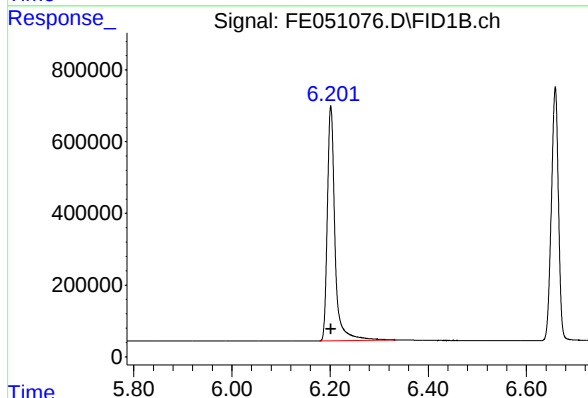
R.T.: 3.240 min
Delta R.T.: 0.000 min
Response: 6972278
Conc: 51.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



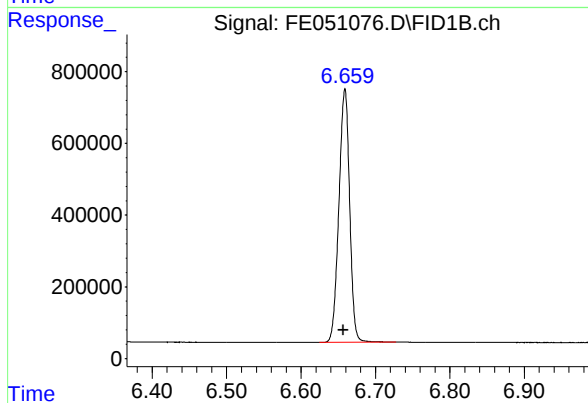
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: 0.001 min
Response: 7075762
Conc: 51.17 ug/ml



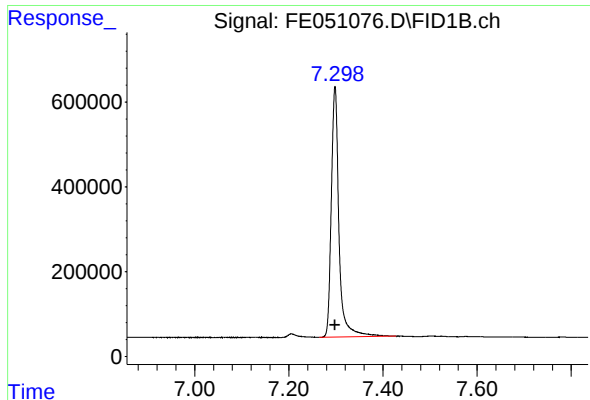
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 7085104
Conc: 55.43 ug/ml



#4 n-Dodecane (C12)

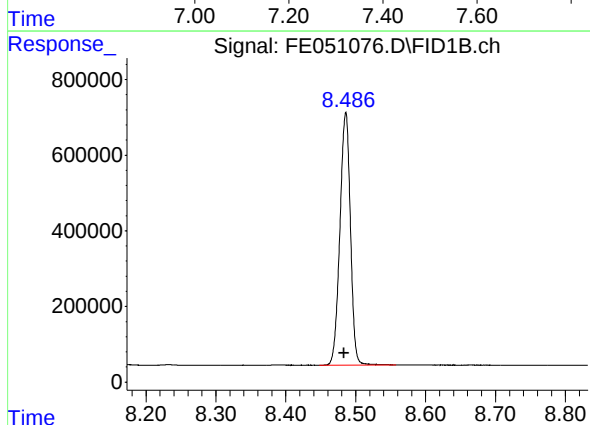
R.T.: 6.659 min
Delta R.T.: 0.002 min
Response: 7089184
Conc: 50.86 ug/ml



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

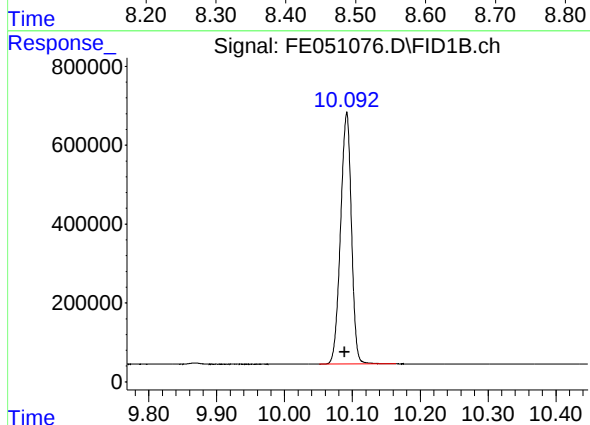
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 6675931
Conc: 55.26 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



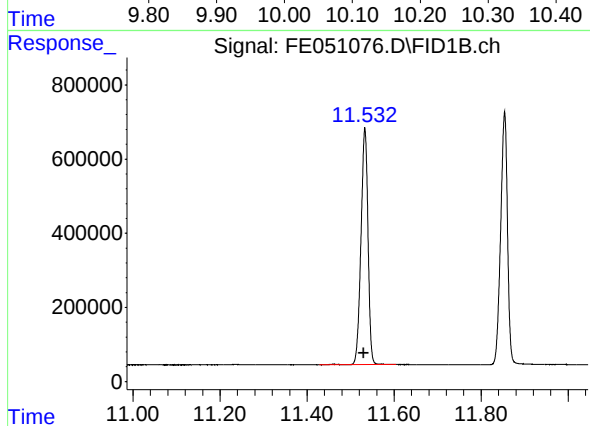
#6 n-Tetradecane (C14)

R.T.: 8.486 min
Delta R.T.: 0.002 min
Response: 6961580
Conc: 50.54 ug/ml



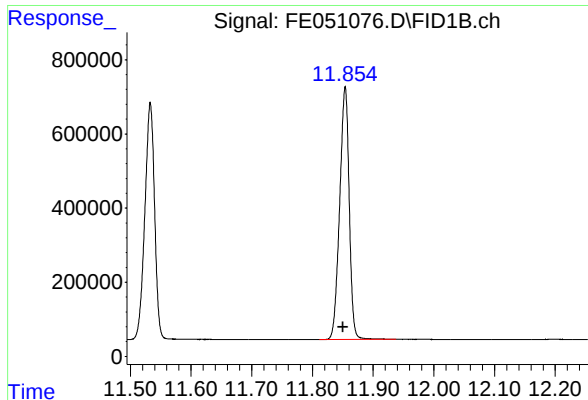
#7 n-Hexadecane (C16)

R.T.: 10.091 min
Delta R.T.: 0.003 min
Response: 7095779
Conc: 50.61 ug/ml



#8 n-Octadecane (C18)

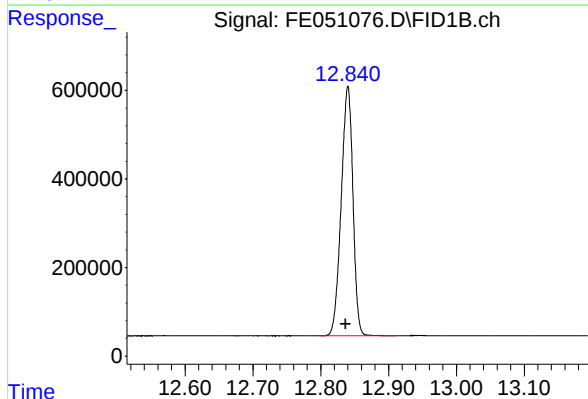
R.T.: 11.533 min
Delta R.T.: 0.003 min
Response: 7120474
Conc: 50.47 ug/ml



#9 ortho-Terphenyl (SURR)

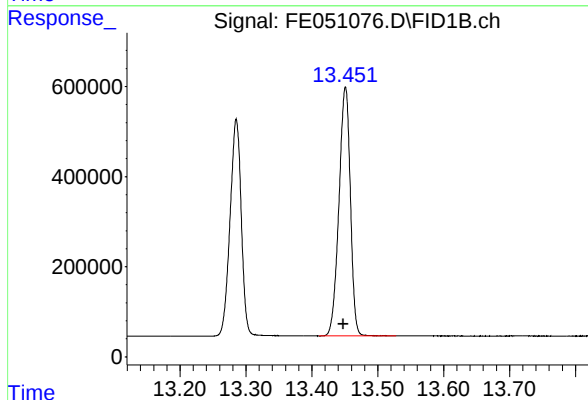
R.T.: 11.854 min
Delta R.T.: 0.003 min
Response: 7439471
Conc: 50.14 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



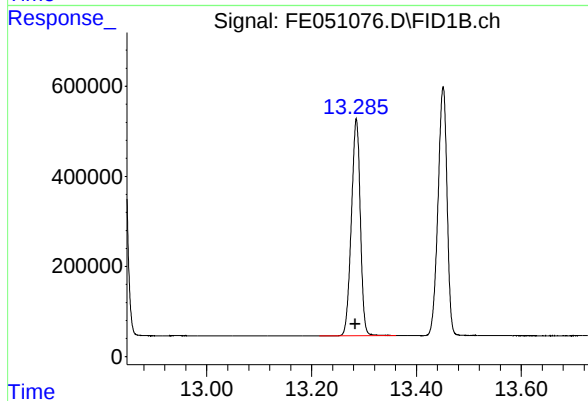
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: 0.003 min
Response: 6769951
Conc: 49.98 ug/ml



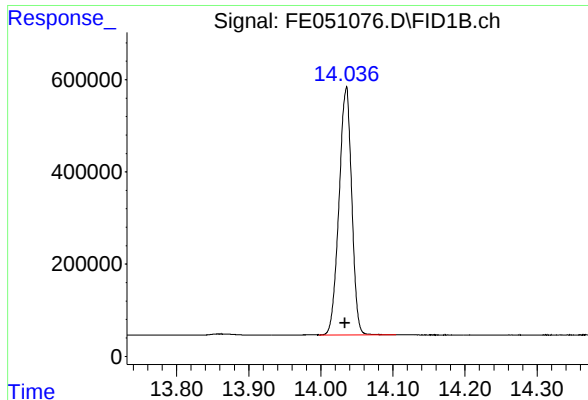
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: 0.003 min
Response: 6629575
Conc: 50.15 ug/ml



#12 1-chlorooctadecane (SURR)

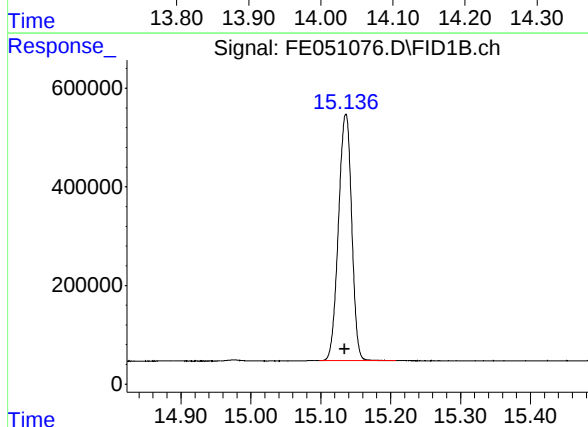
R.T.: 13.285 min
Delta R.T.: 0.002 min
Response: 5687735
Conc: 50.75 ug/ml



#13 n-Docosane (C22)

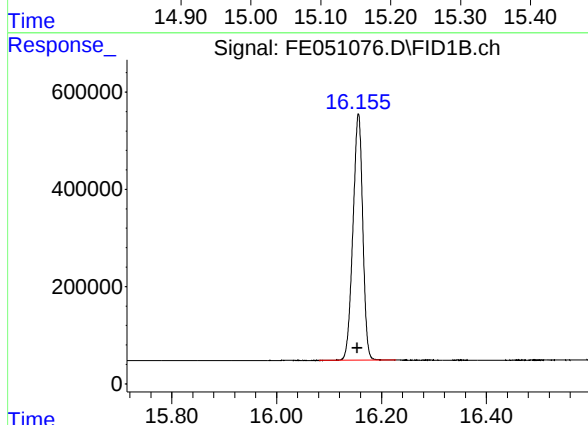
R.T.: 14.035 min
Delta R.T.: 0.002 min
Response: 6576920
Conc: 50.00 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



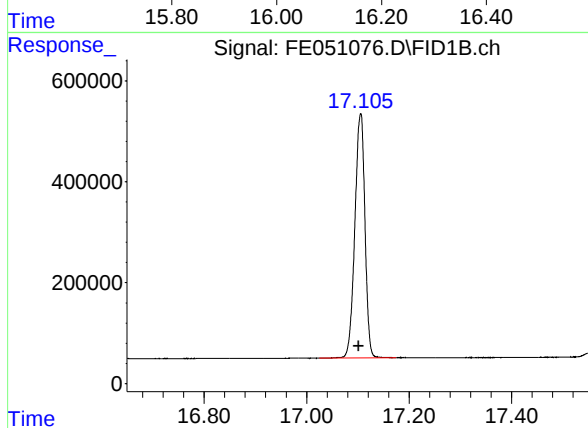
#14 n-Tetracosane (C24)

R.T.: 15.136 min
Delta R.T.: 0.001 min
Response: 6563335
Conc: 49.93 ug/ml



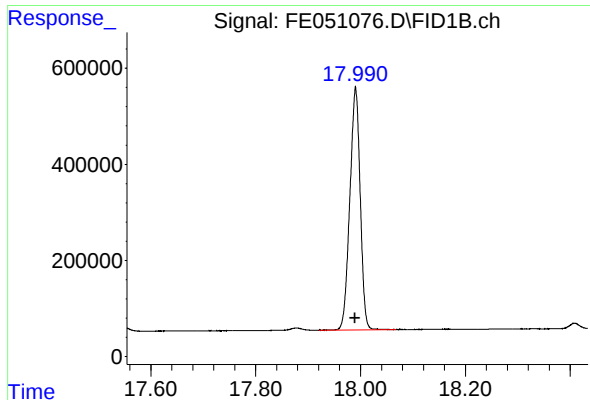
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: 0.002 min
Response: 6579401
Conc: 49.54 ug/ml



#16 n-Octacosane (C28)

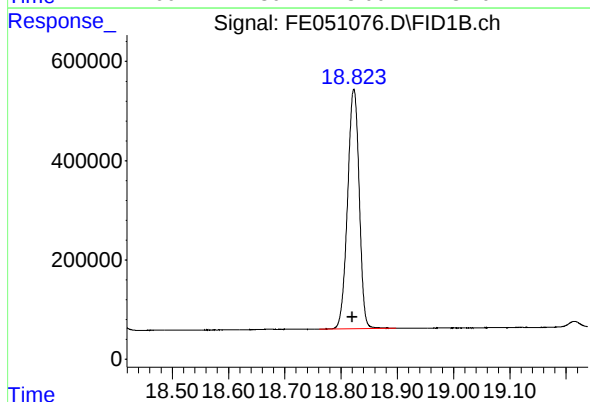
R.T.: 17.105 min
Delta R.T.: 0.003 min
Response: 6621699
Conc: 48.84 ug/ml



#17 n-Tricontane (C30)

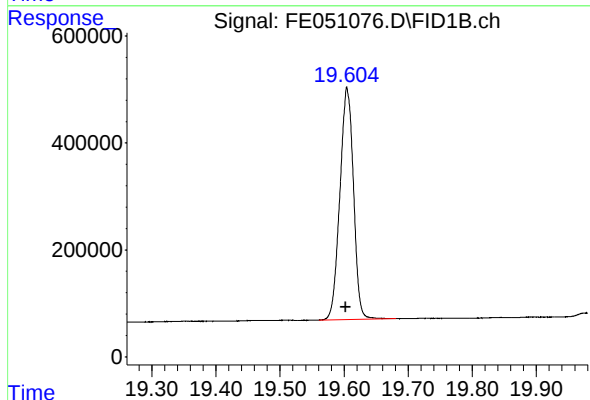
R.T.: 17.991 min
Delta R.T.: 0.001 min
Response: 6913369
Conc: 47.53 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



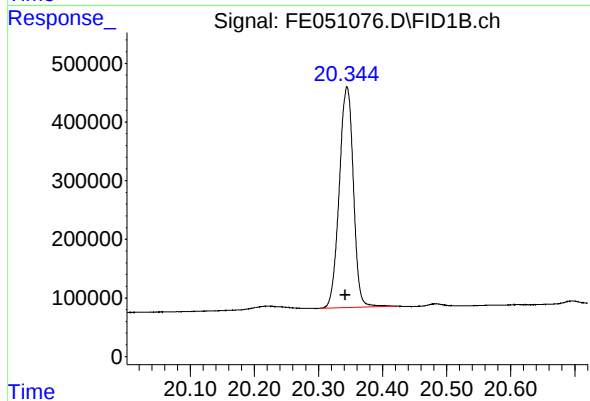
#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: 0.003 min
Response: 6937205
Conc: 46.46 ug/ml



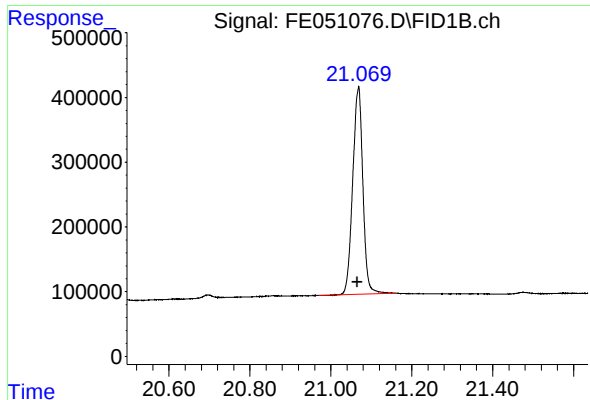
#19 n-Tetatriacontane (C34)

R.T.: 19.605 min
Delta R.T.: 0.003 min
Response: 6360559
Conc: 47.29 ug/ml



#20 n-Hexatriacontane (C36)

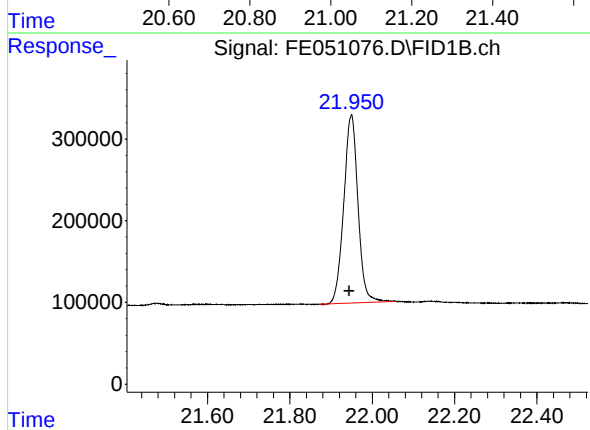
R.T.: 20.344 min
Delta R.T.: 0.003 min
Response: 5735761
Conc: 48.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.068 min
Delta R.T.: 0.003 min
Response: 5583007
Conc: 49.75 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.949 min
Delta R.T.: 0.005 min
Response: 5506936
Conc: 50.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051076.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:22
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.240	3.208	3.331	BB	702634	6972278	93.72%	4.776%
2	4.491	4.454	4.574	BB	709280	7075762	95.11%	4.847%
3	6.202	6.178	6.334	BB	654061	7085104	95.24%	4.853%
4	6.659	6.624	6.728	BB	700175	7089184	95.29%	4.856%
5	7.298	7.264	7.428	BB	589667	6675931	89.74%	4.573%
6	8.486	8.448	8.558	BB	661536	6961580	93.58%	4.769%
7	10.091	10.051	10.164	BB	633804	7095779	95.38%	4.861%
8	11.533	11.428	11.604	BB	635687	7120474	95.71%	4.878%
9	11.854	11.811	11.938	BB	683921	7439471	100.00%	5.096%
10	12.840	12.798	12.911	BB	565517	6769951	91.00%	4.638%
11	13.285	13.214	13.361	BB	479883	5687735	76.45%	3.896%
12	13.451	13.411	13.528	BB	554079	6629575	89.11%	4.541%
13	14.035	13.998	14.104	BB	530601	6576920	88.41%	4.505%
14	15.136	15.098	15.208	BB	499902	6563335	88.22%	4.496%
15	16.156	16.081	16.228	BB	509123	6579401	88.44%	4.507%
16	17.105	17.024	17.174	BB	483260	6621699	89.01%	4.536%
17	17.991	17.921	18.068	BB	504839	6913369	92.93%	4.736%
18	18.823	18.761	18.898	BB	484107	6937205	93.25%	4.752%
19	19.605	19.561	19.681	BB	433514	6360559	85.50%	4.357%
20	20.344	20.301	20.421	BB	376583	5735761	77.10%	3.929%
21	21.068	20.971	21.161	BB	317963	5583007	75.05%	3.824%
22	21.949	21.871	22.058	BB	229126	5506936	74.02%	3.772%
Sum of corrected areas:						145981016		

Aliphatic EPH 110724.M Thu Nov 07 06:39:47 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
 Data File : FE051077.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2024 17:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Nov 07 04:47:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:46:41 2024
 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	2968399	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.283	2253701	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.239	2716227	20.000 ug/ml
2) T n-Decane (C10)	4.489	2756662	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.202	2657285	20.000 ug/ml
4) T n-Dodecane (C12)	6.657	2791225	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.298	2480384	20.000 ug/ml
6) T n-Tetradecane (C14)	8.483	2766602	20.000 ug/ml
7) T n-Hexadecane (C16)	10.089	2819962	20.000 ug/ml
8) T n-Octadecane (C18)	11.530	2833843	20.000 ug/ml
10) T n-Eicosane (C20)	12.837	2712684	20.000 ug/ml
11) T n-Heneicosane (C21)	13.448	2648881	20.000 ug/ml
13) T n-Docosane (C22)	14.033	2627674	20.000 ug/ml
14) T n-Tetracosane (C24)	15.134	2624630	20.000 ug/ml
15) T n-Hexacosane (C26)	16.154	2654184	20.000 ug/ml
16) T n-Octacosane (C28)	17.102	2702186	20.000 ug/ml
17) T n-Tricontane (C30)	17.989	2890205	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.820	2962222	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.602	2686081	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.342	2402353	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.065	2322118	20.000 ug/ml
22) T n-Tetracontane (C40)	21.945	2391344	20.000 ug/ml

(f)=RT Delta > 1/2 Window

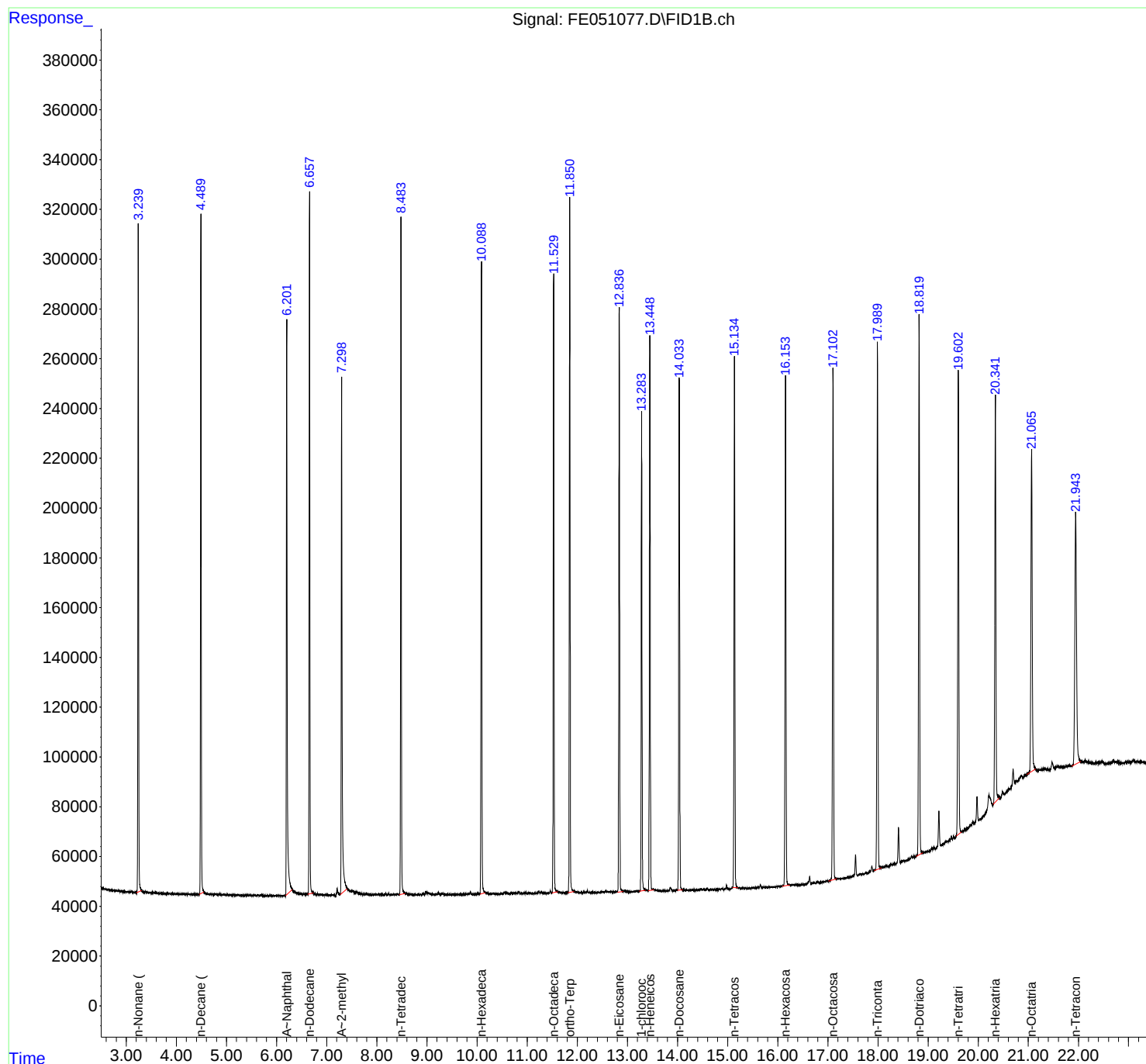
(m)=manual int.

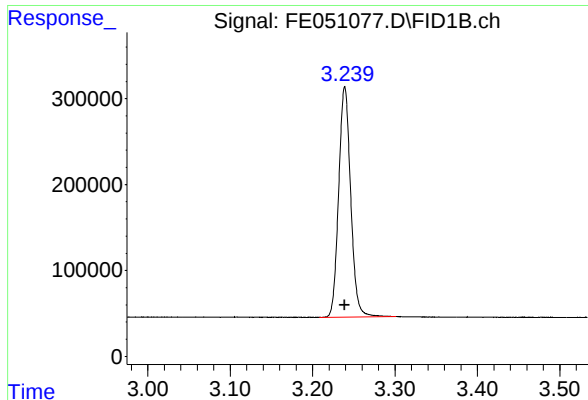
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051077.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 07 04:47:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:46:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

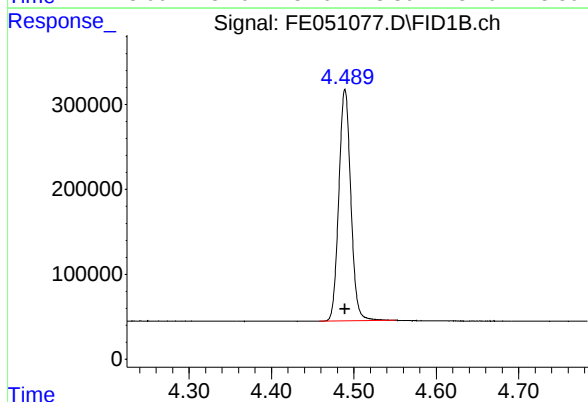




#1 n-Nonane (C9)

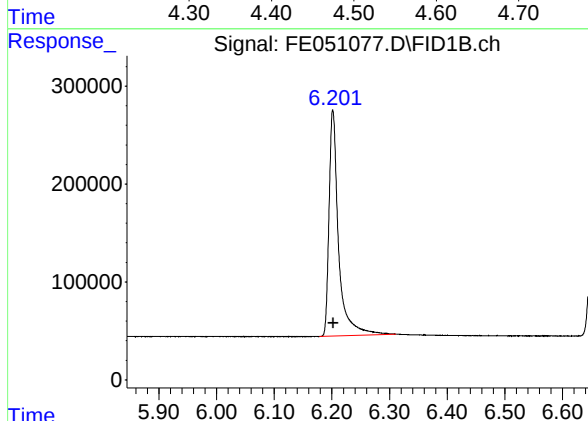
R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 2716227
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



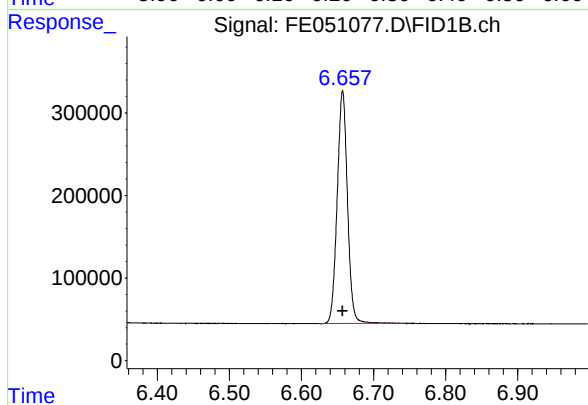
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 2756662
Conc: 20.00 ug/ml



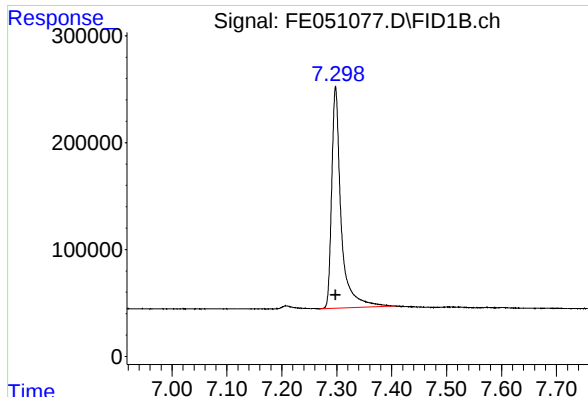
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 2657285
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

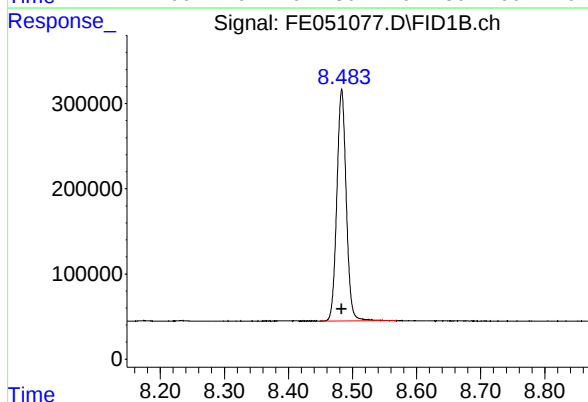
R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 2791225
Conc: 20.00 ug/ml



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

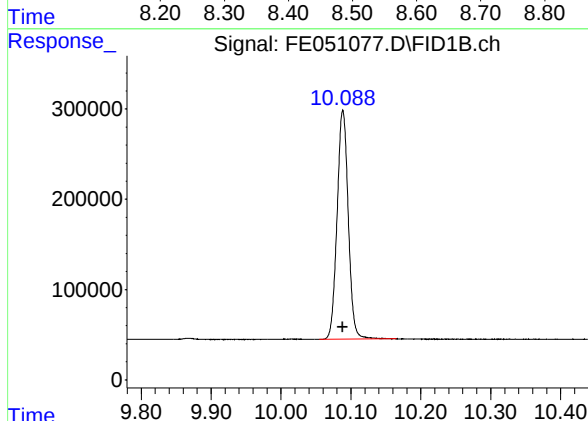
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 2480384
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



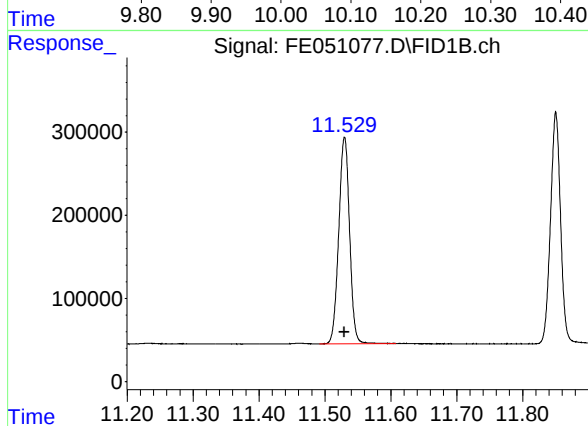
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 2766602
Conc: 20.00 ug/ml



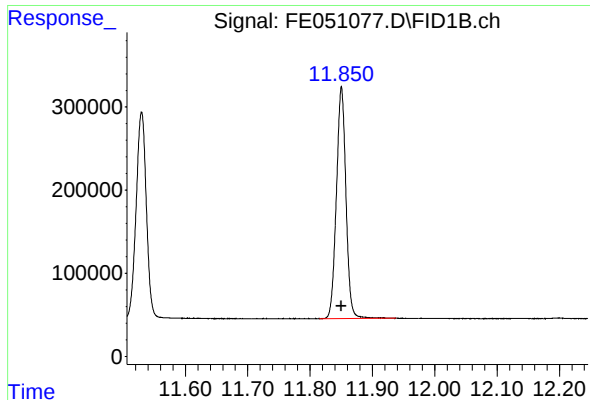
#7 n-Hexadecane (C16)

R.T.: 10.089 min
Delta R.T.: 0.000 min
Response: 2819962
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

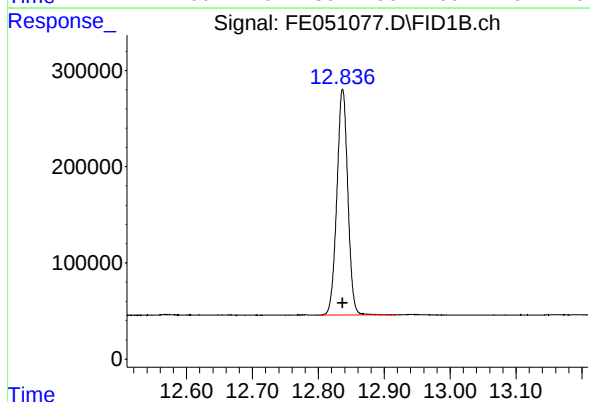
R.T.: 11.530 min
Delta R.T.: 0.000 min
Response: 2833843
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

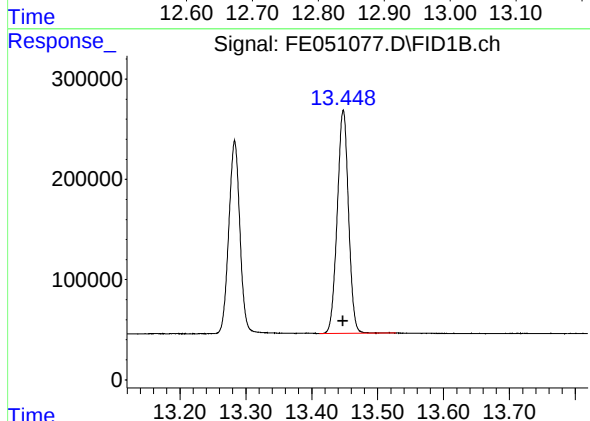
R.T.: 11.850 min
Delta R.T.: 0.000 min
Response: 2968399
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



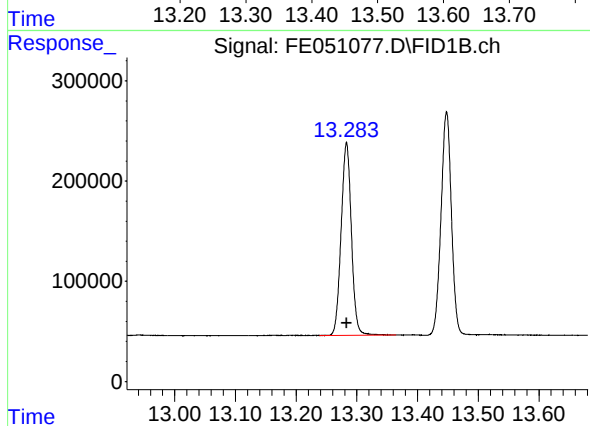
#10 n-Eicosane (C20)

R.T.: 12.837 min
Delta R.T.: 0.000 min
Response: 2712684
Conc: 20.00 ug/ml



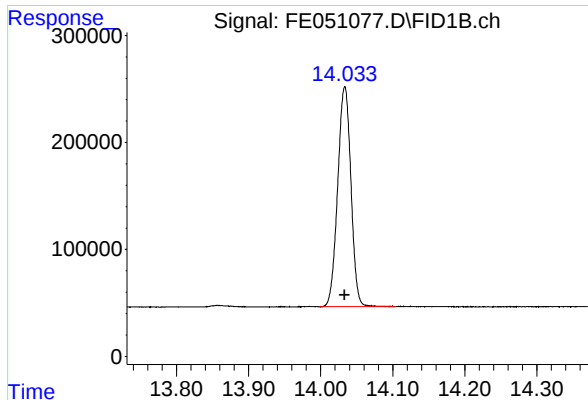
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: 0.000 min
Response: 2648881
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

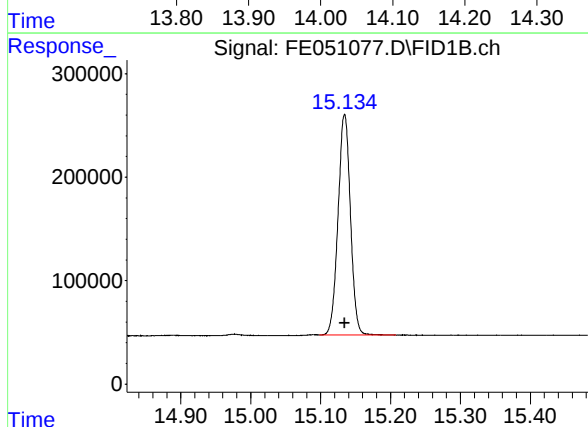
R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 2253701
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

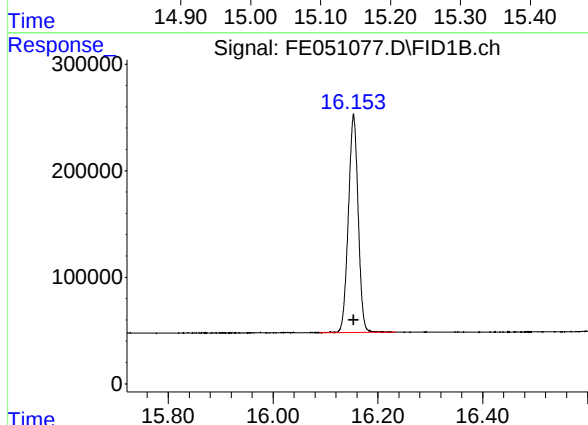
R.T.: 14.033 min
Delta R.T.: 0.000 min
Response: 2627674
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



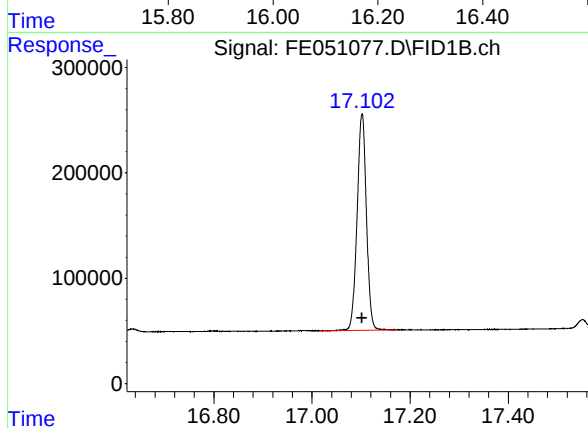
#14 n-Tetracosane (C24)

R.T.: 15.134 min
Delta R.T.: 0.000 min
Response: 2624630
Conc: 20.00 ug/ml



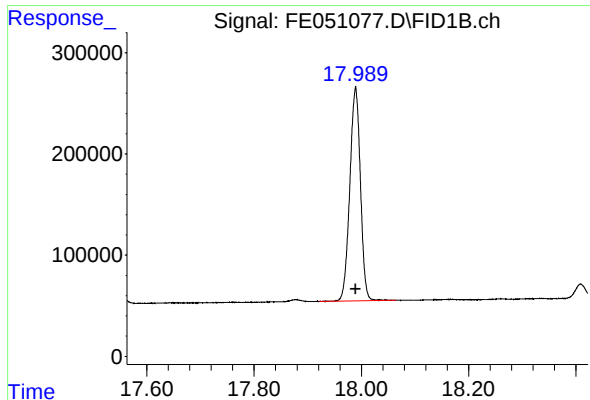
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: 0.000 min
Response: 2654184
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

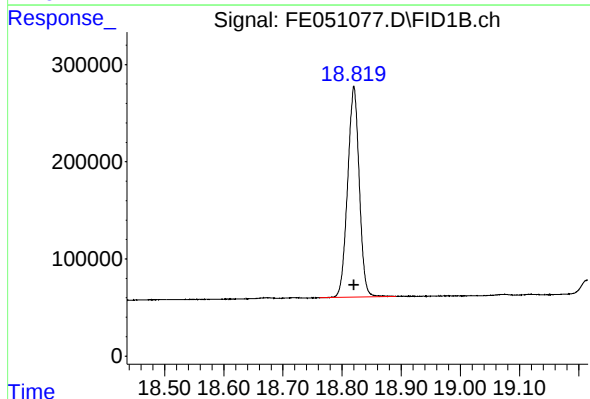
R.T.: 17.102 min
Delta R.T.: 0.000 min
Response: 2702186
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

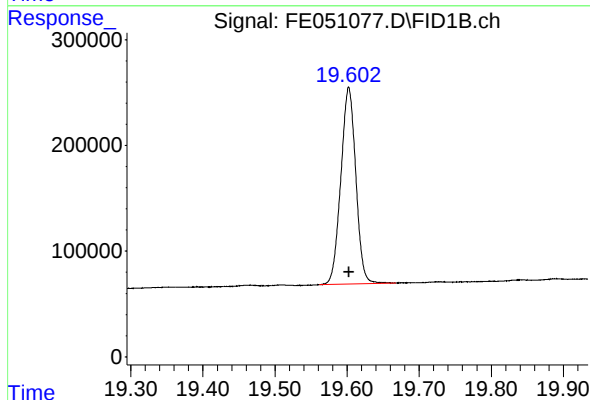
R.T.: 17.989 min
Delta R.T.: 0.000 min
Response: 2890205
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



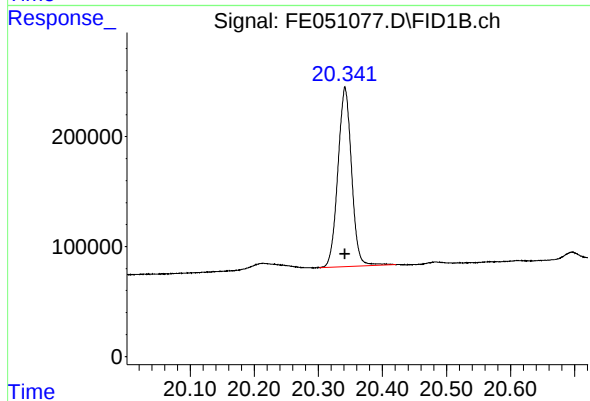
#18 n-Dotriacontane (C32)

R.T.: 18.820 min
Delta R.T.: 0.000 min
Response: 2962222
Conc: 20.00 ug/ml



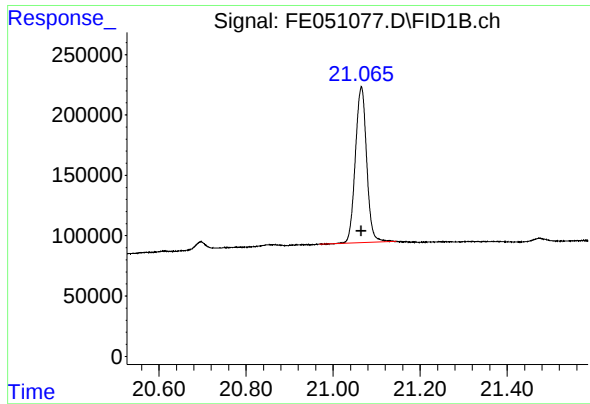
#19 n-Tetatriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 2686081
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

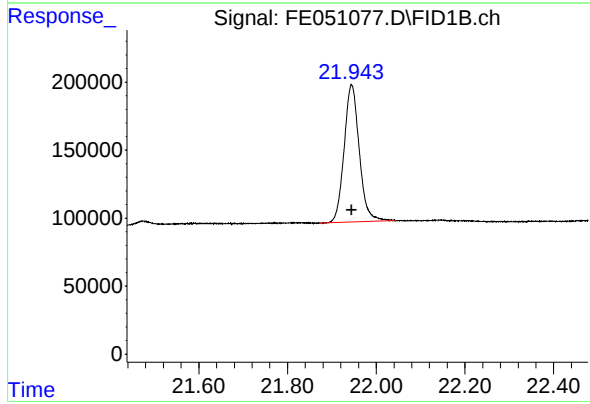
R.T.: 20.342 min
Delta R.T.: 0.000 min
Response: 2402353
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.065 min
Delta R.T.: 0.000 min
Response: 2322118
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.945 min
Delta R.T.: 0.000 min
Response: 2391344
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051077.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:52
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.208	3.301	BB	266887	2716227	91.50%	4.630%
2	4.489	4.458	4.551	BB	271882	2756662	92.87%	4.699%
3	6.202	6.178	6.311	BB	231533	2657285	89.52%	4.529%
4	6.657	6.625	6.731	BB	282034	2791225	94.03%	4.758%
5	7.298	7.268	7.408	BB	206579	2480384	83.56%	4.228%
6	8.483	8.448	8.568	BB	270525	2766602	93.20%	4.716%
7	10.089	10.055	10.165	BB	253646	2819962	95.00%	4.807%
8	11.530	11.491	11.608	BB	249851	2833843	95.47%	4.830%
9	11.850	11.815	11.938	BB	277757	2968399	100.00%	5.060%
10	12.837	12.801	12.918	BB	234994	2712684	91.39%	4.624%
11	13.283	13.238	13.365	BB	191639	2253701	75.92%	3.841%
12	13.448	13.411	13.528	BB	222710	2648881	89.24%	4.515%
13	14.033	13.998	14.105	BB	206499	2627674	88.52%	4.479%
14	15.134	15.098	15.208	BB	213222	2624630	88.42%	4.474%
15	16.154	16.088	16.235	BB	203985	2654184	89.41%	4.524%
16	17.102	17.015	17.171	BB	205505	2702186	91.03%	4.606%
17	17.989	17.921	18.065	BB	208655	2890205	97.37%	4.926%
18	18.820	18.761	18.891	BB	216663	2962222	99.79%	5.049%
19	19.602	19.561	19.668	BB	185371	2686081	90.49%	4.578%
20	20.342	20.301	20.421	BB	162768	2402353	80.93%	4.095%
21	21.065	20.968	21.145	BB	129093	2322118	78.23%	3.958%
22	21.945	21.871	22.045	BB	101043	2391344	80.56%	4.076%
Sum of corrected areas:							58668851	

Aliphatic EPH 110724.M Thu Nov 07 06:40:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
 Data File : FE051078.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2024 18:22
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/07/2024
 Supervised By :Ankita Jodhani 11/07/2024

Integration File: autoint1.e
 Quant Time: Nov 07 04:55:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:54:42 2024
 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	1565644	10.545 ug/ml
Spiked Amount 50.000		Recovery =	21.09%
12) S 1-chlorooctadecane (S...	13.283	1176755	10.461 ug/ml
Spiked Amount 50.000		Recovery =	20.92%
Target Compounds			
1) T n-Nonane (C9)	3.239	1426184	10.387 ug/ml
2) T n-Decane (C10)	4.489	1444976	10.388 ug/ml
3) T A~Naphthalene (C11.7)	6.203	1341147	10.216 ug/ml
4) T n-Dodecane (C12)	6.656	1460396	10.432 ug/ml
5) T A~2-methylnaphthalene...	7.299	1295139	10.446 ug/mlm
6) T n-Tetradecane (C14)	8.483	1443150	10.448 ug/ml
7) T n-Hexadecane (C16)	10.088	1469868	10.451 ug/ml
8) T n-Octadecane (C18)	11.528	1483612	10.491 ug/ml
10) T n-Eicosane (C20)	12.836	1425003	10.521 ug/ml
11) T n-Heneicosane (C21)	13.447	1390737	10.513 ug/ml
13) T n-Docosane (C22)	14.033	1386349	10.540 ug/ml
14) T n-Tetracosane (C24)	15.134	1376518	10.475 ug/ml
15) T n-Hexacosane (C26)	16.154	1392936	10.512 ug/ml
16) T n-Octacosane (C28)	17.100	1424573	10.568 ug/ml
17) T n-Tricontane (C30)	17.987	1518163	10.568 ug/ml
18) T n-Dotriacontane (C32)	18.819	1556973	10.615 ug/ml
19) T n-Tetratriacontane (C34)	19.602	1411160	10.636 ug/ml
20) T n-Hexatriacontane (C36)	20.341	1260253	10.713 ug/ml
21) T n-Octatriacontane (C38)	21.064	1207468	10.773 ug/ml
22) T n-Tetracontane (C40)	21.946	1185992	10.843 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051078.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:22
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 20 Sample Multiplier: 1

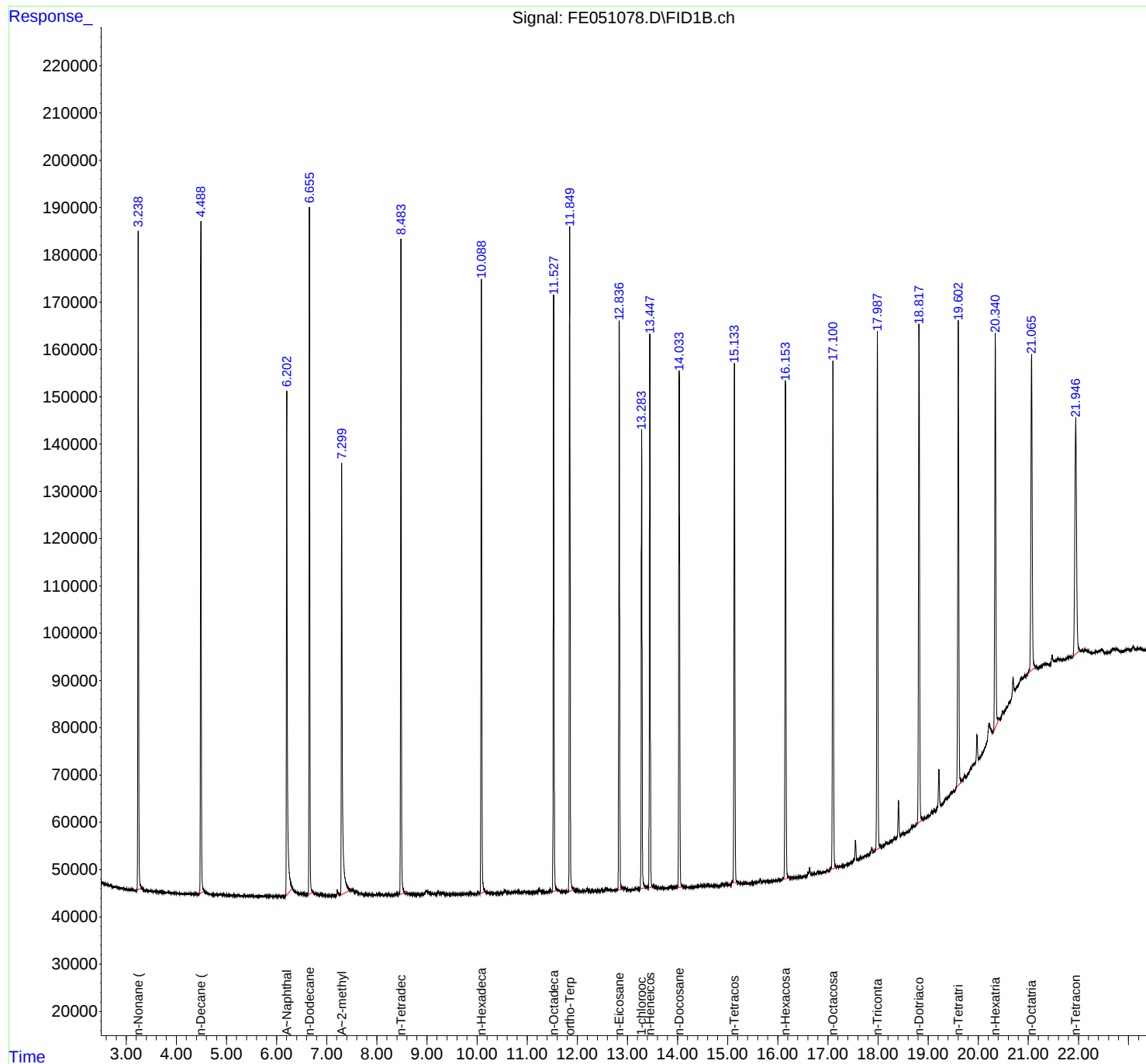
Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

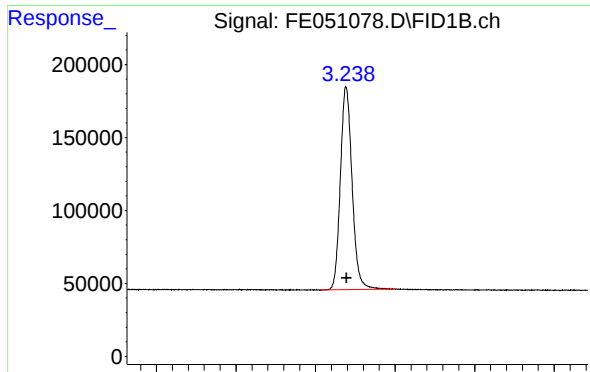
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Integration File: autoint1.e
Quant Time: Nov 07 04:55:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:54:42 2024
Response via : Initial Calibration
Integrator: ChemStation

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





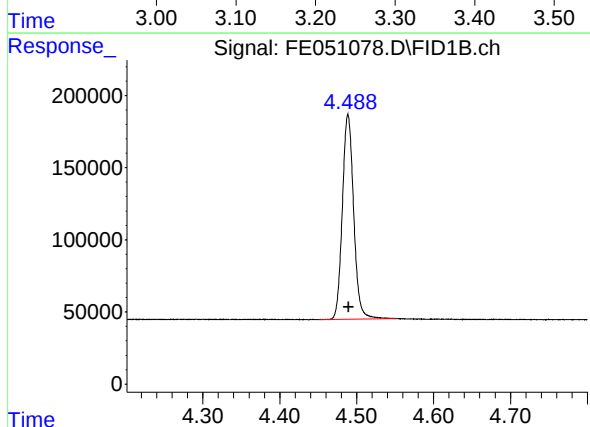
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 1426184
Conc: 10.39 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

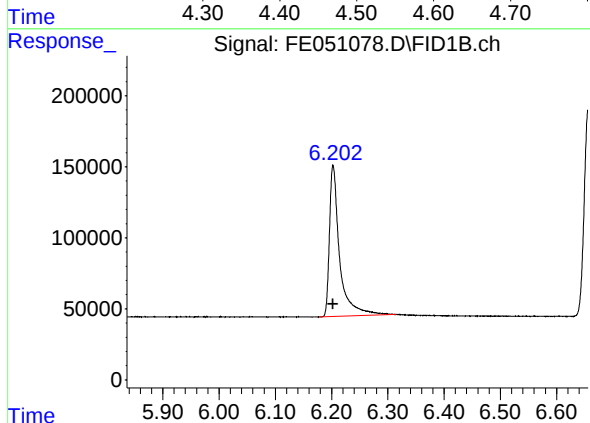
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



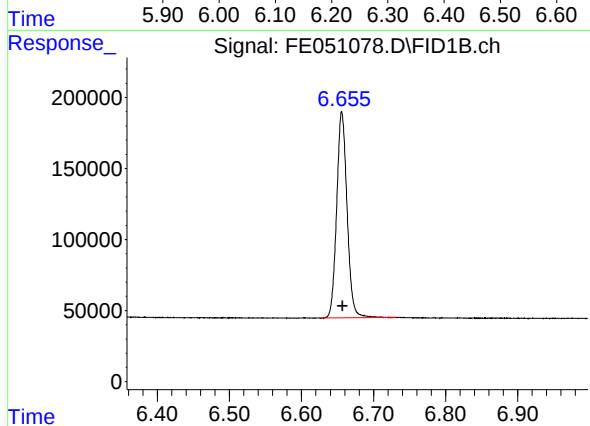
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 1444976
Conc: 10.39 ug/ml



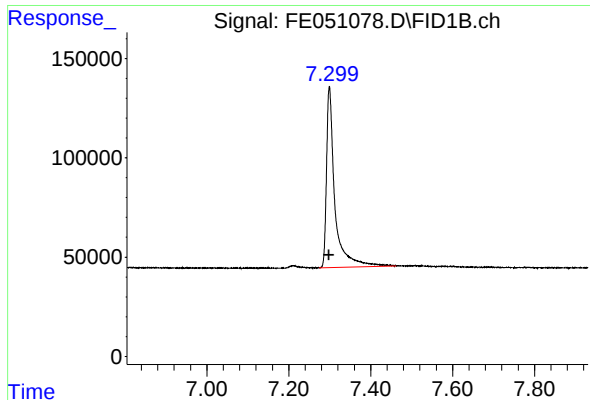
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: 0.001 min
Response: 1341147
Conc: 10.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min
Delta R.T.: 0.000 min
Response: 1460396
Conc: 10.43 ug/ml



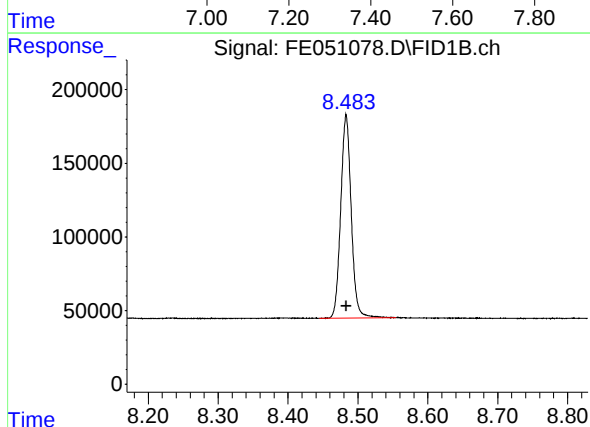
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1295139
Conc: 10.45 ug/ml

Instrument : FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

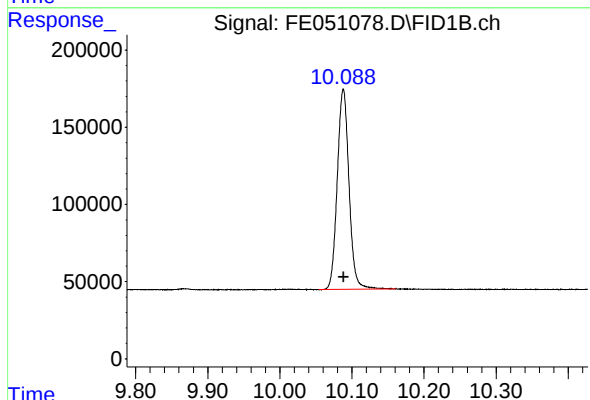
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



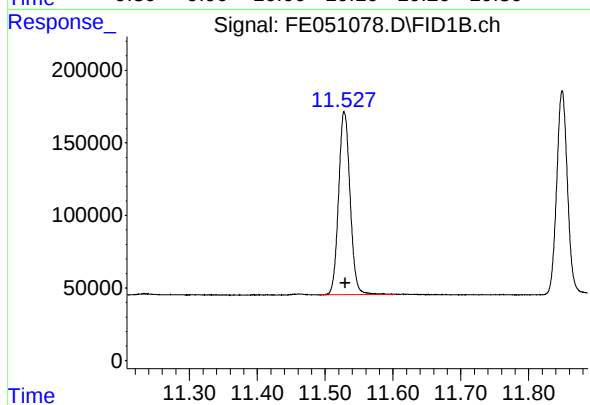
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 1443150
Conc: 10.45 ug/ml



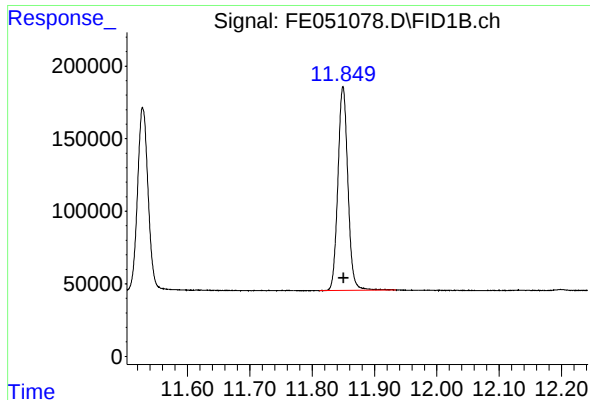
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 1469868
Conc: 10.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.001 min
Response: 1483612
Conc: 10.49 ug/ml



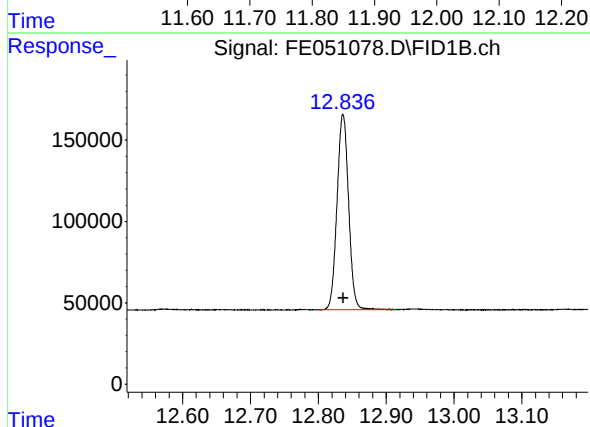
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 1565644
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

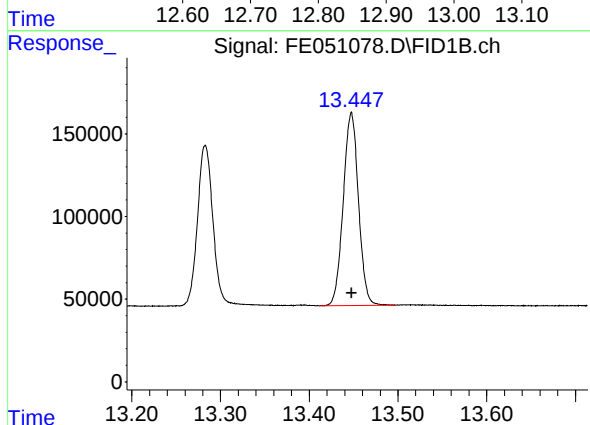
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



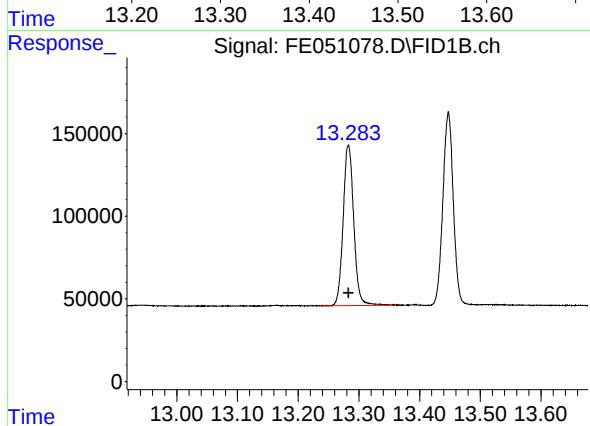
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: 0.000 min
Response: 1425003
Conc: 10.52 ug/ml



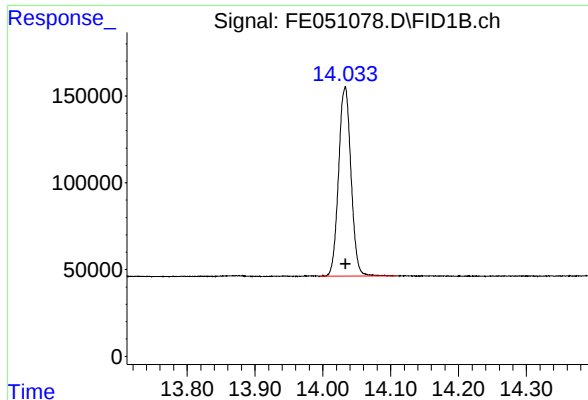
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 1390737
Conc: 10.51 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 1176755
Conc: 10.46 ug/ml



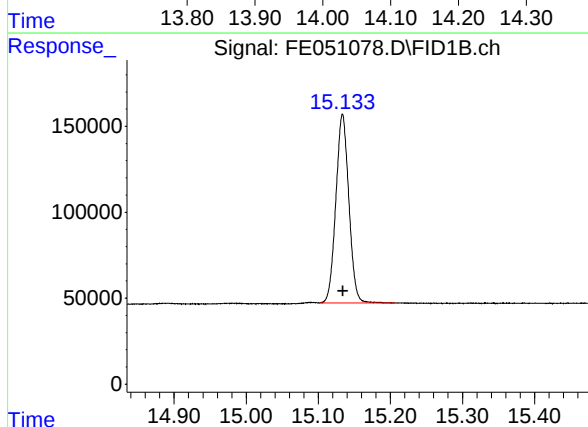
#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: 0.000 min
Response: 1386349
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

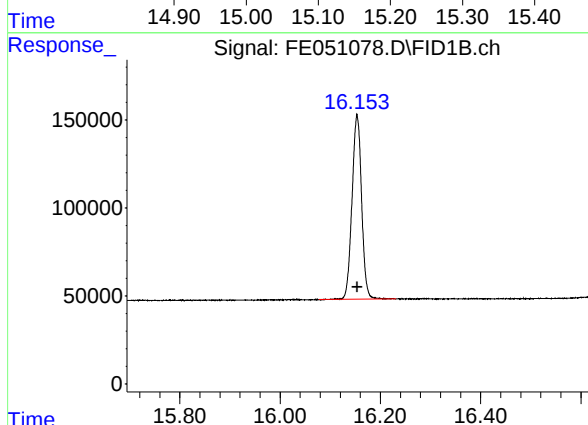
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



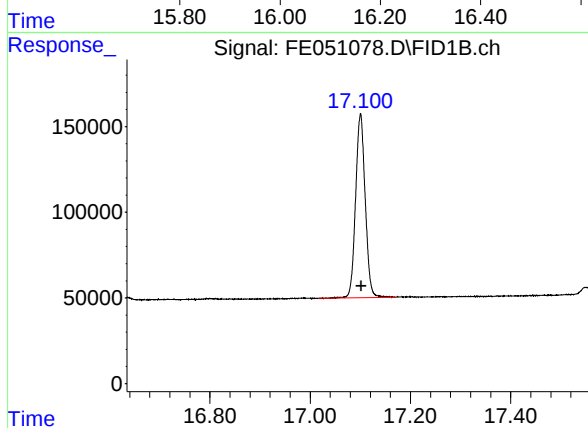
#14 n-Tetracosane (C24)

R.T.: 15.134 min
Delta R.T.: 0.000 min
Response: 1376518
Conc: 10.48 ug/ml



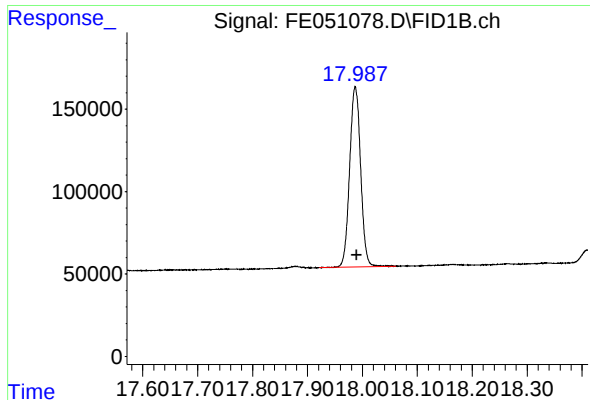
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: 0.000 min
Response: 1392936
Conc: 10.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.002 min
Response: 1424573
Conc: 10.57 ug/ml



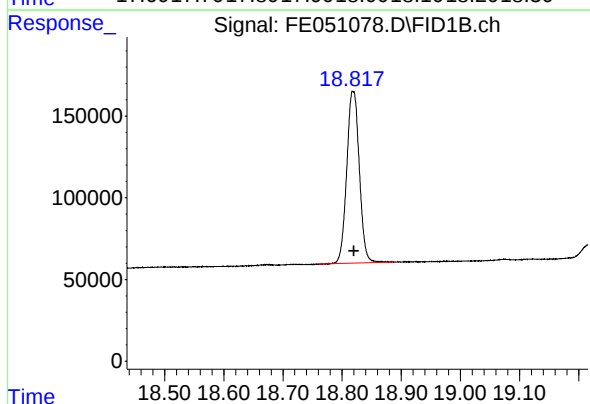
#17 n-Tricontane (C30)

R.T.: 17.987 min
Delta R.T.: -0.002 min
Response: 1518163
Conc: 10.57 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

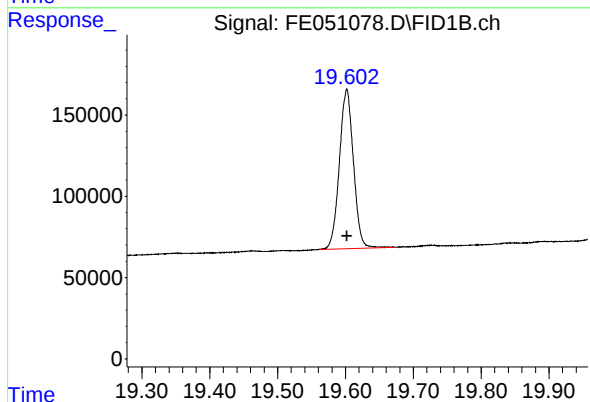
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



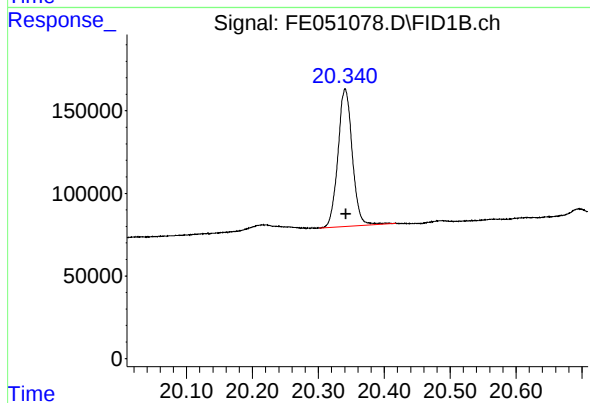
#18 n-Dotriacontane (C32)

R.T.: 18.819 min
Delta R.T.: -0.001 min
Response: 1556973
Conc: 10.61 ug/ml



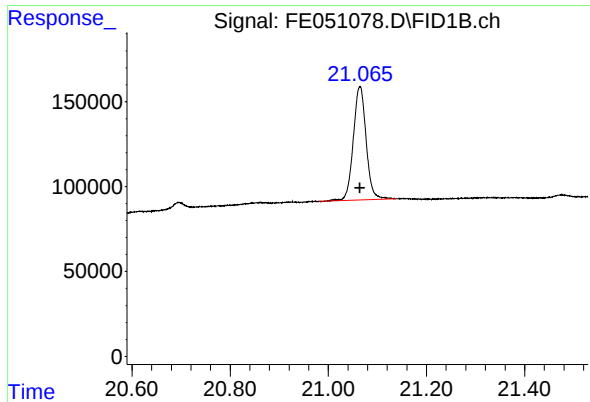
#19 n-Tetratriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 1411160
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.341 min
Delta R.T.: 0.000 min
Response: 1260253
Conc: 10.71 ug/ml



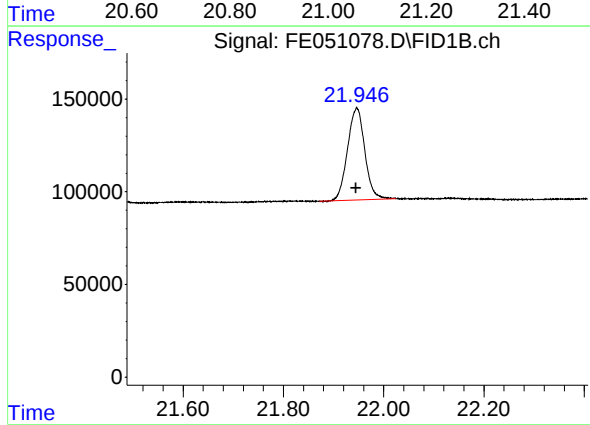
#21 n-Octatriacontane (C38)

R.T.: 21.064 min
Delta R.T.: 0.000 min
Response: 1207468
Conc: 10.77 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



#22 n-Tetracontane (C40)

R.T.: 21.946 min
Delta R.T.: 0.002 min
Response: 1185992
Conc: 10.84 ug/ml

rteres

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724
Data File : FE051078.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:22
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.204	3.301	BB	139160	1426184	91.09%	4.675%
2	4.489	4.451	4.551	BB	141343	1444976	92.29%	4.737%
3	6.203	6.178	6.314	BB	104232	1341147	85.66%	4.397%
4	6.656	6.624	6.731	BB	142765	1460396	93.28%	4.787%
5	7.300	7.188	7.388	BB	88160	1156564	73.87%	3.791%
6	8.483	8.444	8.554	BB	137162	1443150	92.18%	4.731%
7	10.088	10.054	10.161	BB	129589	1469868	93.88%	4.819%
8	11.528	11.491	11.604	BB	126380	1483612	94.76%	4.864%
9	11.849	11.811	11.934	BB	139984	1565644	100.00%	5.133%
10	12.836	12.801	12.914	BB	120225	1425003	91.02%	4.671%
11	13.283	13.234	13.361	BB	96697	1176755	75.16%	3.858%
12	13.447	13.411	13.498	BB	116571	1390737	88.83%	4.559%
13	14.033	13.994	14.108	BB	108120	1386349	88.55%	4.545%
14	15.134	15.101	15.208	BB	109772	1376518	87.92%	4.513%
15	16.154	16.078	16.231	BB	104389	1392936	88.97%	4.566%
16	17.100	17.018	17.171	BB	107690	1424573	90.99%	4.670%
17	17.987	17.921	18.061	BB	108930	1518163	96.97%	4.977%
18	18.819	18.761	18.891	BB	105829	1556973	99.45%	5.104%
19	19.602	19.561	19.674	BB	97363	1411160	90.13%	4.626%
20	20.341	20.301	20.418	BB	83294	1260253	80.49%	4.131%
21	21.064	20.981	21.138	BB	66752	1207468	77.12%	3.958%
22	21.946	21.871	22.024	BB	49623	1185992	75.75%	3.888%
Sum of corrected areas:							30504421	

Aliphatic EPH 110724.M Thu Nov 07 06:41:01 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
 Data File : FE051079.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2024 18:53
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/07/2024
 Supervised By :Ankita Jodhani 11/07/2024

Integration File: autoint1.e
 Quant Time: Nov 07 04:51:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:50:43 2024
 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	781023	5.407 ug/ml
Spiked Amount 50.000		Recovery =	10.81%
12) S 1-chlorooctadecane (S...	13.282	577997	5.240 ug/ml
Spiked Amount 50.000		Recovery =	10.48%
Target Compounds			
1) T n-Nonane (C9)	3.239	708000	5.280 ug/ml
2) T n-Decane (C10)	4.489	713817	5.246 ug/ml
3) T A~Naphthalene (C11.7)	6.207	571648	4.249 ug/ml
4) T n-Dodecane (C12)	6.657	723070	5.287 ug/ml
5) T A~2-methylnaphthalene...	7.303	546326	4.316 ug/ml
6) T n-Tetradecane (C14)	8.483	717946	5.324 ug/ml
7) T n-Hexadecane (C16)	10.088	729959	5.316 ug/ml
8) T n-Octadecane (C18)	11.528	739553	5.372 ug/ml
10) T n-Eicosane (C20)	12.836	716888	5.452 ug/ml
11) T n-Heneicosane (C21)	13.447	695602	5.404 ug/ml
13) T n-Docosane (C22)	14.031	694430	5.432 ug/ml
14) T n-Tetracosane (C24)	15.133	692936	5.418 ug/ml
15) T n-Hexacosane (C26)	16.151	703789	5.462 ug/ml
16) T n-Octacosane (C28)	17.100	731057	5.612 ug/ml
17) T n-Tricontane (C30)	17.987	808062	5.882 ug/ml
18) T n-Dotriacontane (C32)	18.818	849237	6.107 ug/ml
19) T n-Tetratriacontane (C34)	19.602	750913	5.929 ug/ml
20) T n-Hexatriacontane (C36)	20.341	647398	5.720 ug/ml
21) T n-Octatriacontane (C38)	21.063	614335	5.747 ug/ml
22) T n-Tetracontane (C40)	21.941	608672	5.920 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051079.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:53
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 21 Sample Multiplier: 1

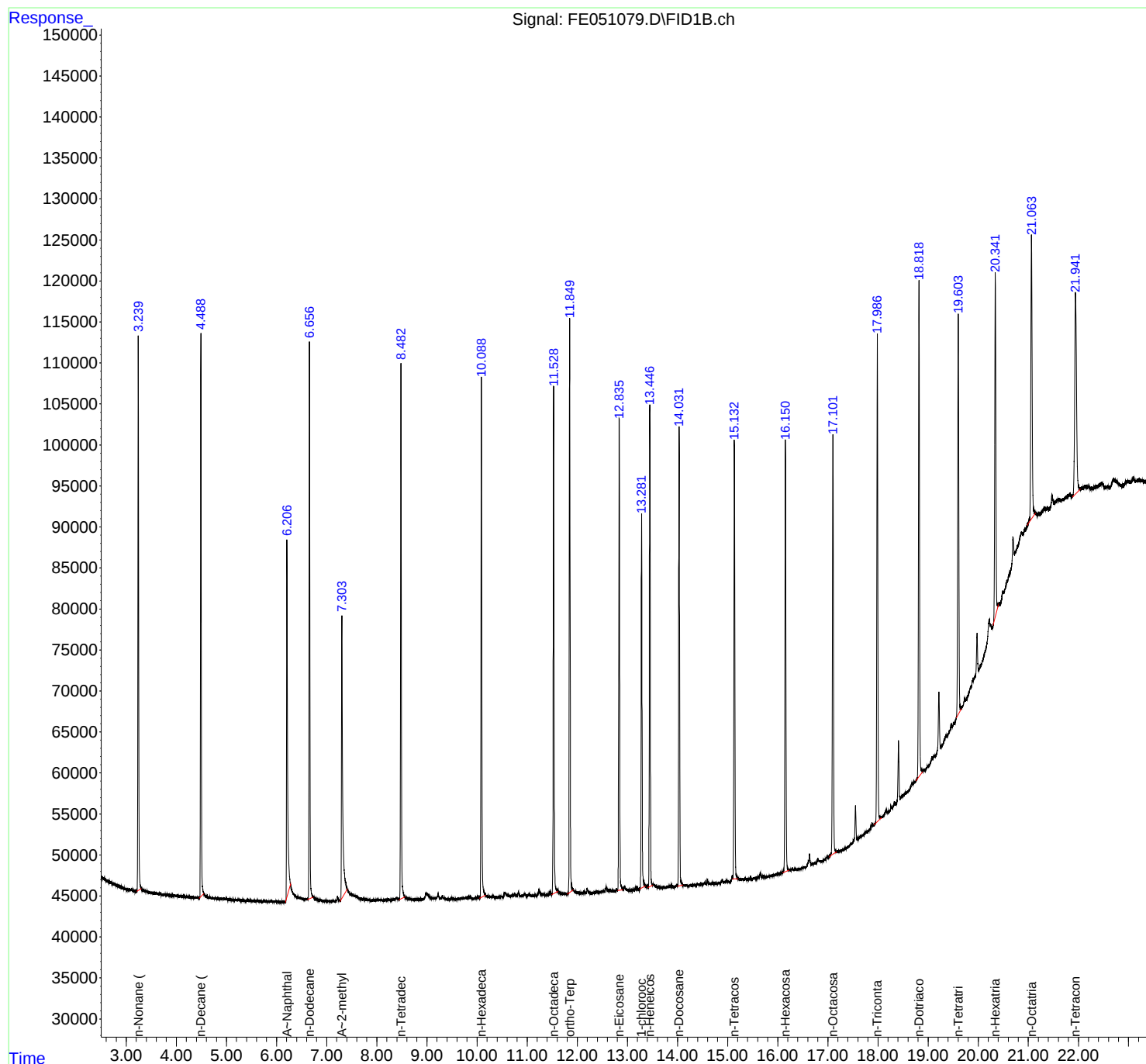
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

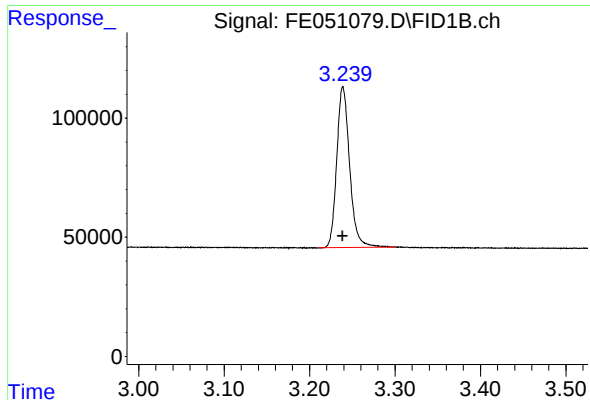
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Integration File: autoint1.e
Quant Time: Nov 07 04:51:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:50:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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





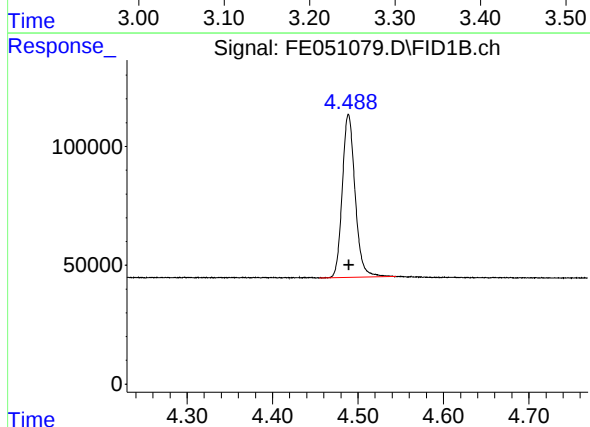
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 708000
Conc: 5.28 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

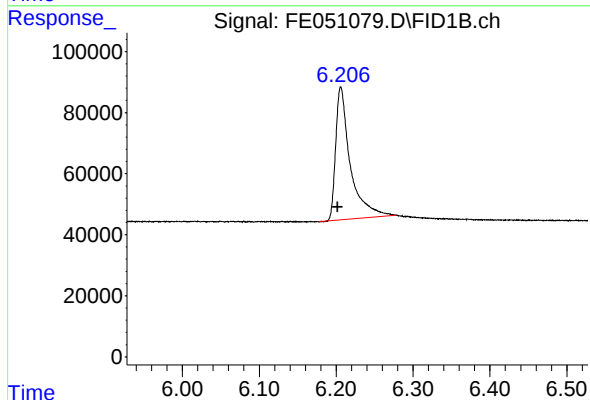
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



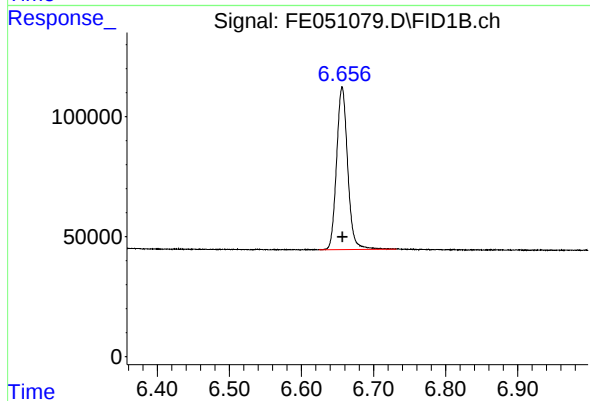
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 713817
Conc: 5.25 ug/ml



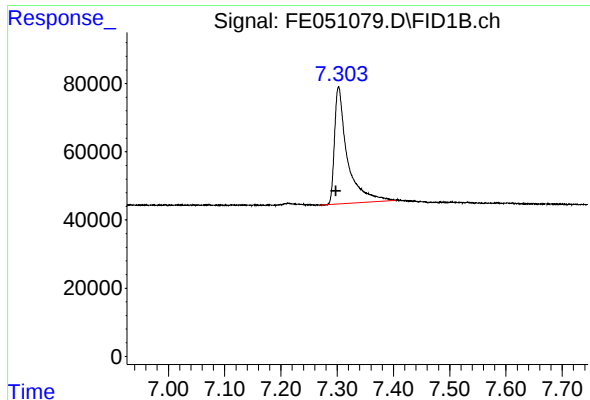
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: 0.005 min
Response: 571648
Conc: 4.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 723070
Conc: 5.29 ug/ml



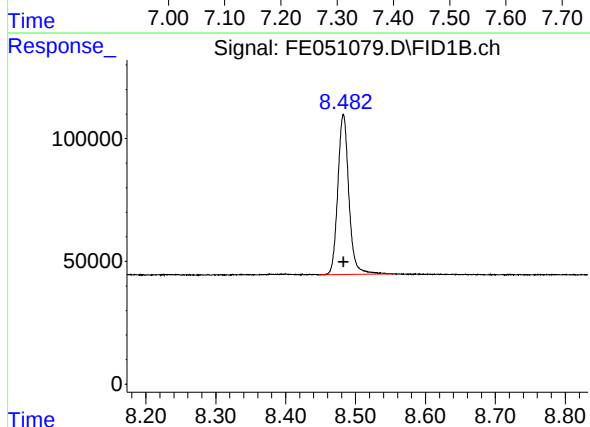
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.303 min
Delta R.T.: 0.005 min
Response: 546326
Conc: 4.32 ug/ml

Instrument : FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

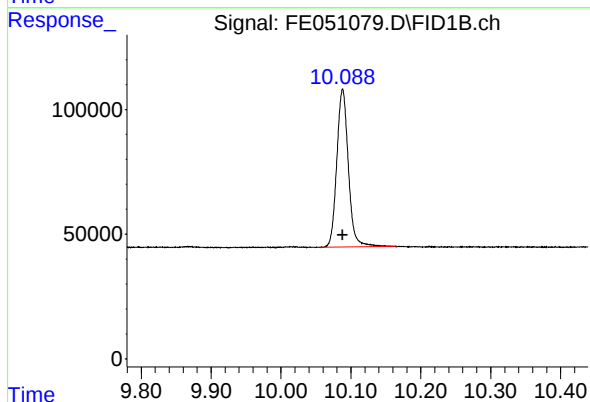
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



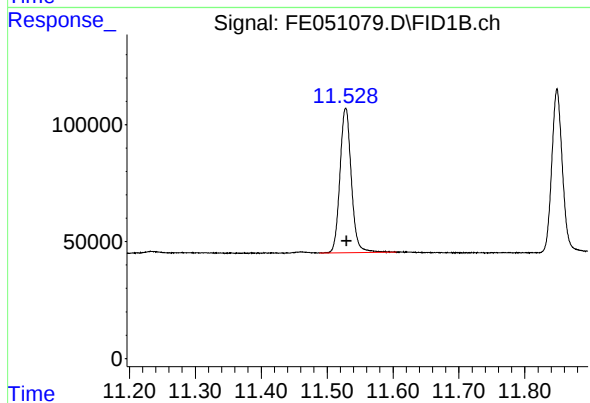
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 717946
Conc: 5.32 ug/ml



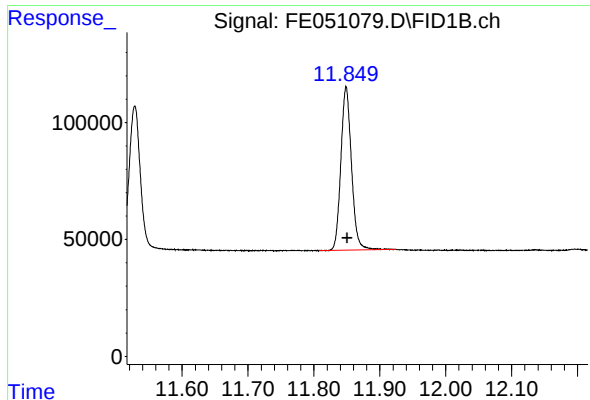
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 729959
Conc: 5.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.002 min
Response: 739553
Conc: 5.37 ug/ml



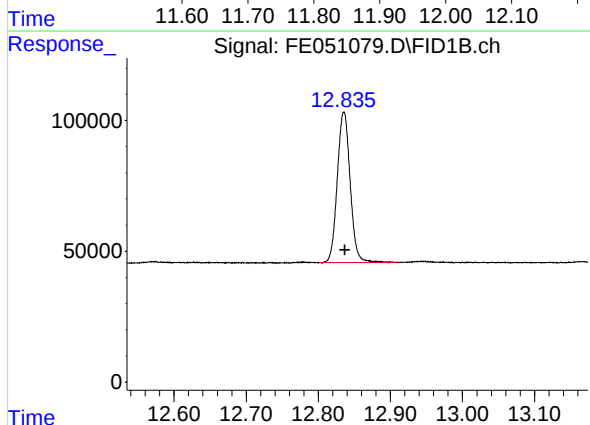
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: -0.002 min
Response: 781023
Conc: 5.41 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

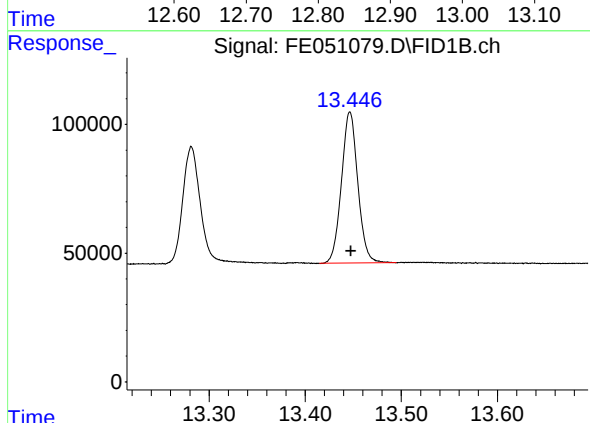
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



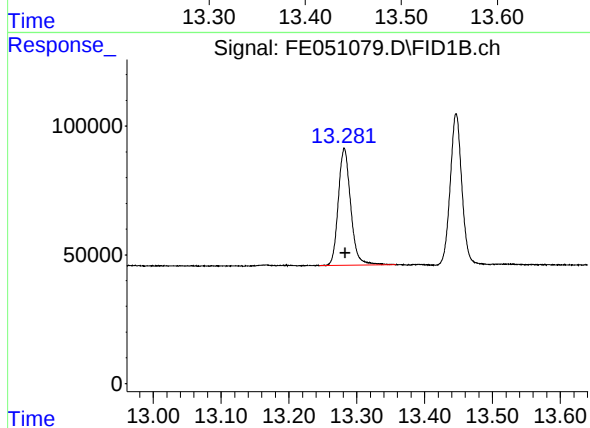
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.001 min
Response: 716888
Conc: 5.45 ug/ml



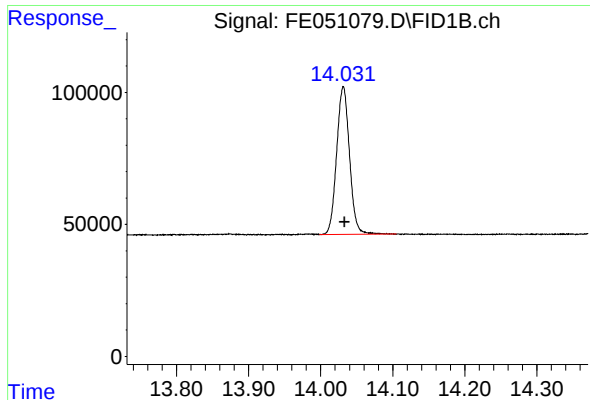
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: -0.001 min
Response: 695602
Conc: 5.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.282 min
Delta R.T.: -0.001 min
Response: 577997
Conc: 5.24 ug/ml



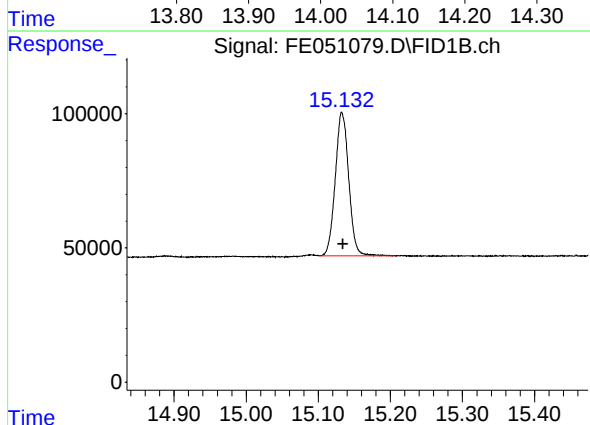
#13 n-Docosane (C22)

R.T.: 14.031 min
Delta R.T.: -0.002 min
Response: 694430
Conc: 5.43 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

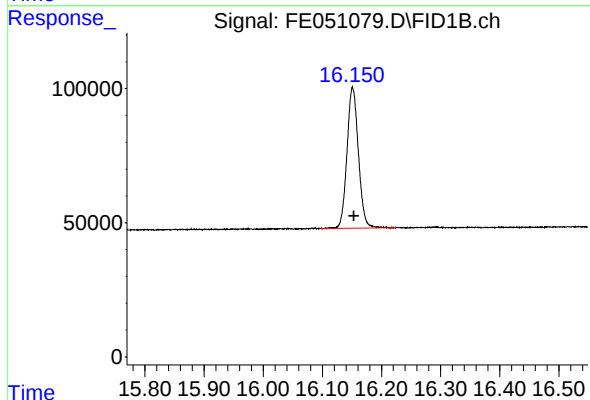
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



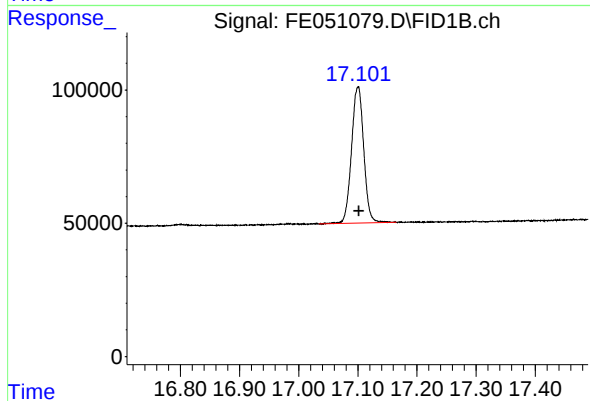
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.001 min
Response: 692936
Conc: 5.42 ug/ml



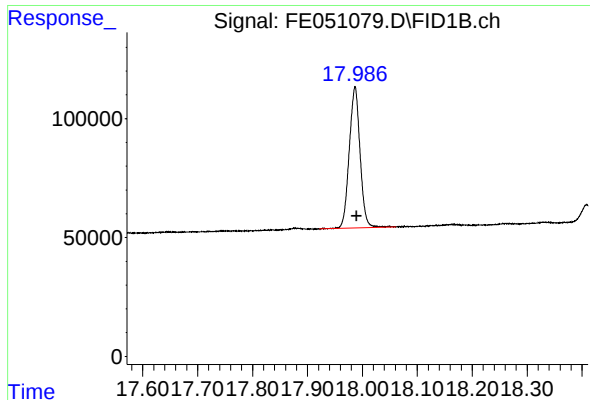
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.002 min
Response: 703789
Conc: 5.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.002 min
Response: 731057
Conc: 5.61 ug/ml



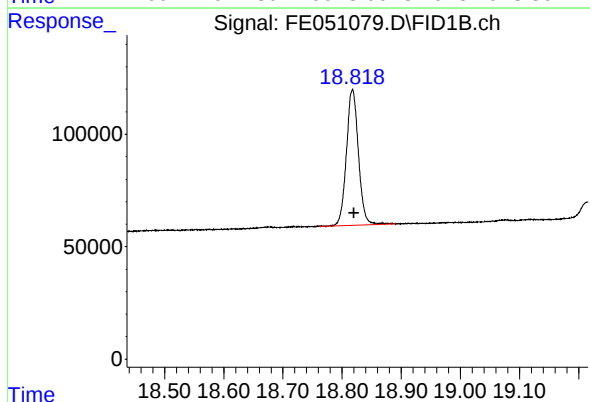
#17 n-Tricontane (C30)

R.T.: 17.987 min
Delta R.T.: -0.003 min
Response: 808062
Conc: 5.88 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

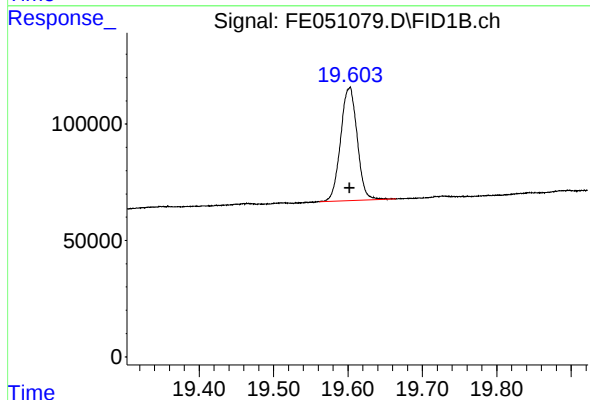
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



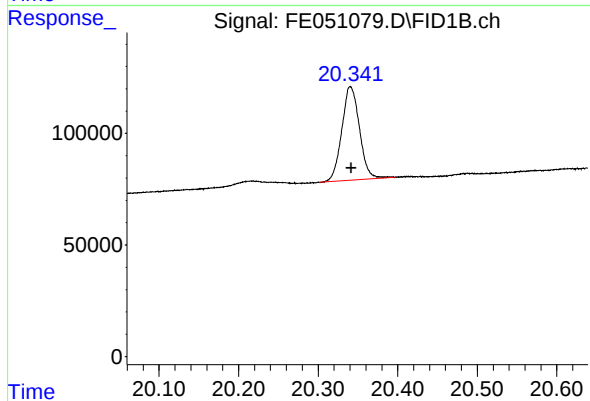
#18 n-Dotriacontane (C32)

R.T.: 18.818 min
Delta R.T.: -0.002 min
Response: 849237
Conc: 6.11 ug/ml



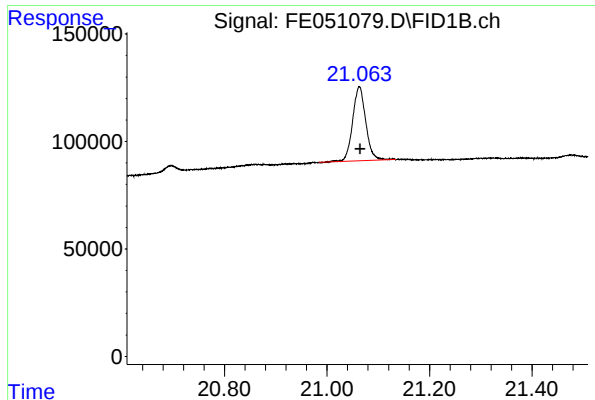
#19 n-Tetratriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 750913
Conc: 5.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.341 min
Delta R.T.: 0.000 min
Response: 647398
Conc: 5.72 ug/ml



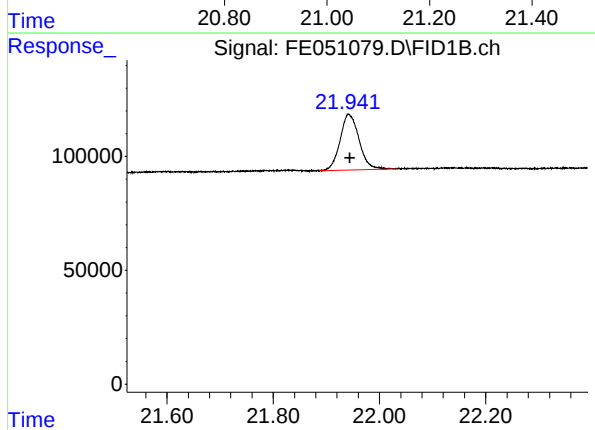
#21 n-Octatriacontane (C38)

R.T.: 21.063 min
Delta R.T.: -0.002 min
Response: 614335
Conc: 5.75 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



#22 n-Tetracontane (C40)

R.T.: 21.941 min
Delta R.T.: -0.004 min
Response: 608672
Conc: 5.92 ug/ml m

rters

Instrument :
FID_E
LabSampleId :
5 PPM ALIPHATIC HC STD5
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724
Data File : FE051079.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:53
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.211	3.301	BB	67350	708000	83.37%	4.619%
2	4.489	4.455	4.545	BB	68431	713817	84.05%	4.657%
3	6.207	6.178	6.278	BB	42646	571648	67.31%	3.729%
4	6.657	6.625	6.731	BB	67441	723070	85.14%	4.717%
5	7.303	7.268	7.405	BB	33847	546326	64.33%	3.564%
6	8.483	8.448	8.558	BB	64846	717946	84.54%	4.684%
7	10.088	10.055	10.165	BB	63141	729959	85.95%	4.762%
8	11.528	11.488	11.605	BB	61850	739553	87.08%	4.825%
9	11.849	11.808	11.925	BB	69310	781023	91.97%	5.095%
10	12.836	12.801	12.908	BB	57625	716888	84.42%	4.677%
11	13.282	13.245	13.358	BB	45285	577997	68.06%	3.771%
12	13.447	13.415	13.495	BB	58796	695602	81.91%	4.538%
13	14.031	13.998	14.105	BB	55901	694430	81.77%	4.530%
14	15.133	15.101	15.208	BB	52601	692936	81.60%	4.520%
15	16.151	16.095	16.224	BB	52412	703789	82.87%	4.591%
16	17.100	17.035	17.165	BB	51433	731057	86.08%	4.769%
17	17.987	17.921	18.061	BB	59581	808062	95.15%	5.271%
18	18.818	18.761	18.891	BB	60236	849237	100.00%	5.540%
19	19.602	19.561	19.665	BB	48298	750913	88.42%	4.899%
20	20.341	20.301	20.398	BB	41798	647398	76.23%	4.223%
21	21.063	20.985	21.135	BB	34779	614335	72.34%	4.008%
22	21.941	21.863	22.068	M	24507	615021	72.42%	4.012%
Sum of corrected areas:						15329005		

Aliphatic EPH 110724.M Thu Nov 07 06:41:44 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
 Data File : FE051080.D
 Signal(s) : FID1B.ch
 Acq On : 06 Nov 2024 19:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Nov 07 04:57:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 2024
 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	2942288	19.603 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.282	2226415	19.611 ug/ml
Spiked Amount 50.000		Recovery =	39.22%
Target Compounds			
1) T n-Nonane (C9)	3.239	2722511	19.676 ug/ml
2) T n-Decane (C10)	4.489	2753679	19.644 ug/ml
3) T A~Naphthalene (C11.7)	6.202	2658198	20.161 ug/ml
4) T n-Dodecane (C12)	6.657	2773973	19.646 ug/ml
5) T A~2-methylnaphthalene...	7.298	2436503	19.477 ug/ml
6) T n-Tetradecane (C14)	8.483	2733431	19.614 ug/ml
7) T n-Hexadecane (C16)	10.088	2786787	19.638 ug/ml
8) T n-Octadecane (C18)	11.529	2807159	19.657 ug/ml
10) T n-Eicosane (C20)	12.835	2686473	19.630 ug/ml
11) T n-Heneicosane (C21)	13.447	2623993	19.634 ug/ml
13) T n-Docosane (C22)	14.032	2608929	19.623 ug/ml
14) T n-Tetracosane (C24)	15.133	2597382	19.580 ug/ml
15) T n-Hexacosane (C26)	16.153	2611945	19.511 ug/ml
16) T n-Octacosane (C28)	17.101	2629871	19.291 ug/ml
17) T n-Tricontane (C30)	17.987	2729015	18.784 ug/ml
18) T n-Dotriacontane (C32)	18.818	2734748	18.418 ug/ml
19) T n-Tetratriacontane (C34)	19.602	2494543	18.565 ug/ml
20) T n-Hexatriacontane (C36)	20.342	2221919	18.622 ug/ml
21) T n-Octatriacontane (C38)	21.064	2040381	17.927 ug/ml
22) T n-Tetracontane (C40)	21.945	1820370	16.367 ug/ml

(f)=RT Delta > 1/2 Window

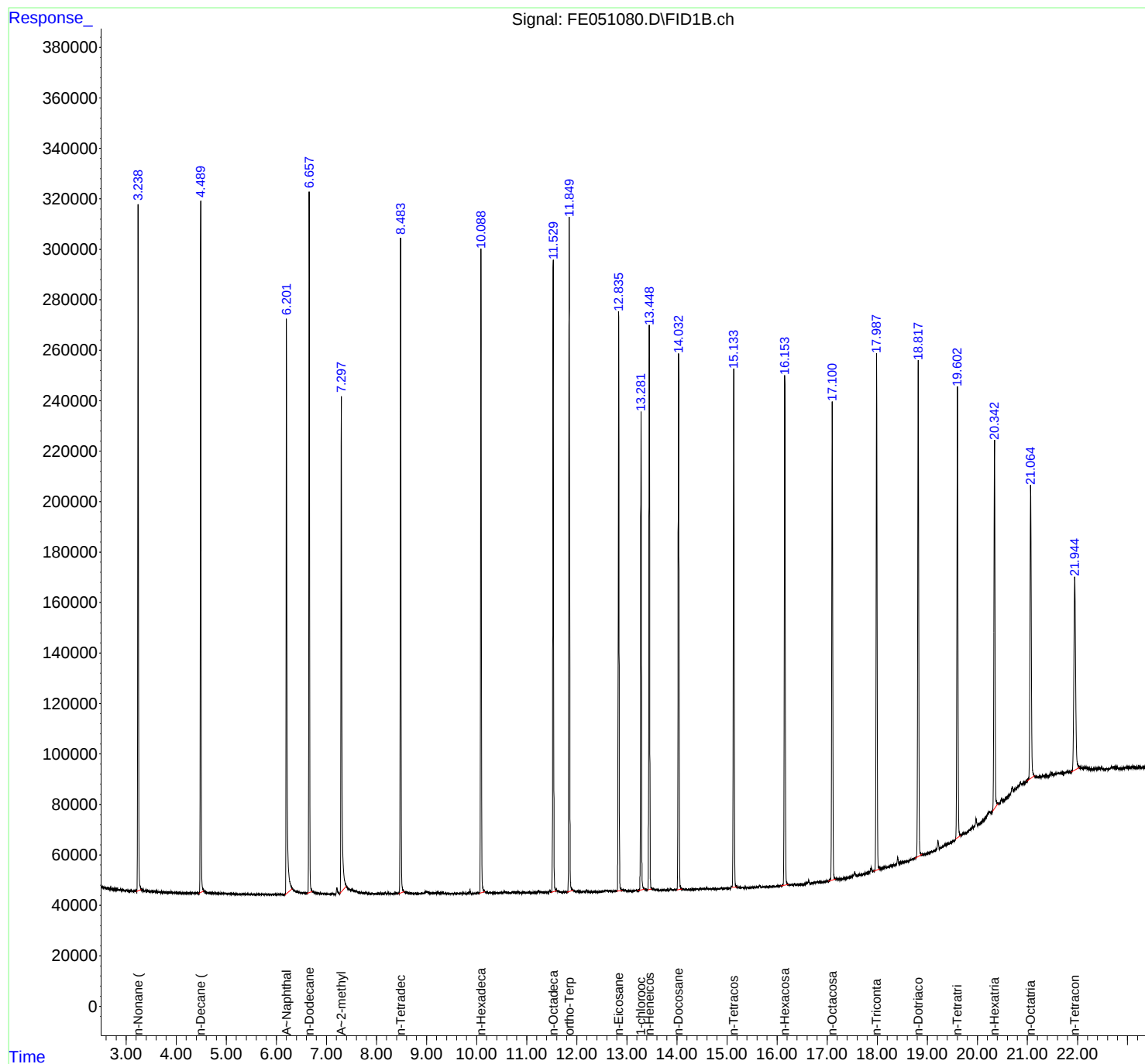
(m)=manual int.

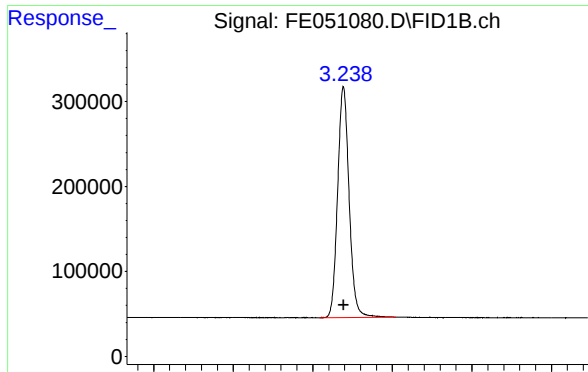
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051080.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 19:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Nov 07 04:57:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
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)

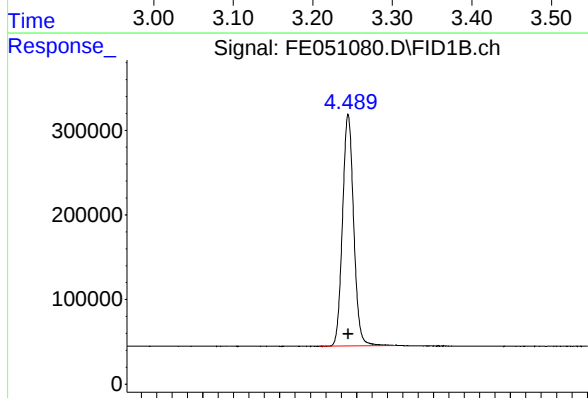
R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 2722511
Conc: 19.68 ug/ml

Instrument :

FID_E

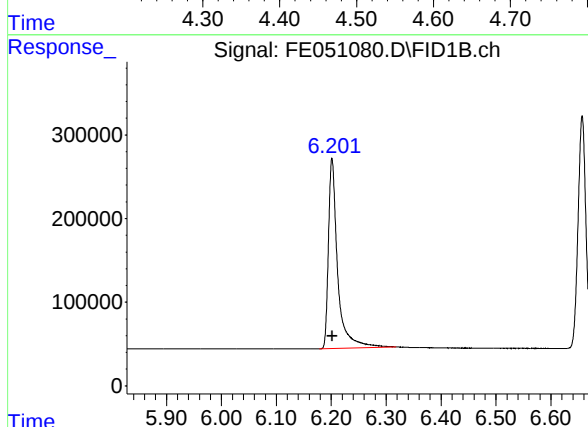
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



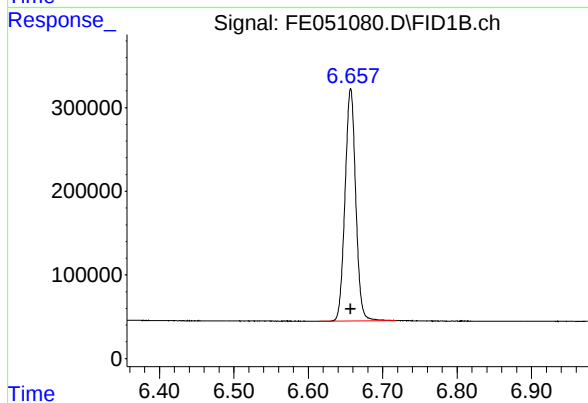
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 2753679
Conc: 19.64 ug/ml



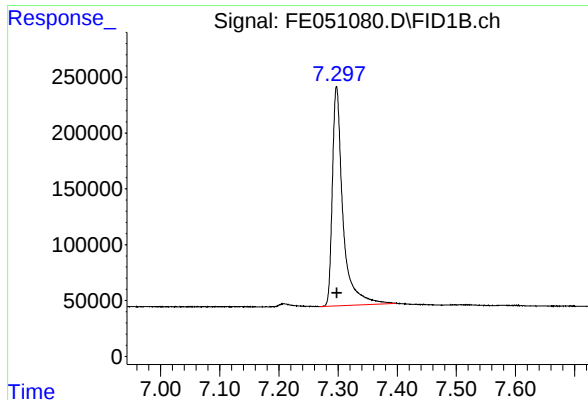
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 2658198
Conc: 20.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 2773973
Conc: 19.65 ug/ml



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

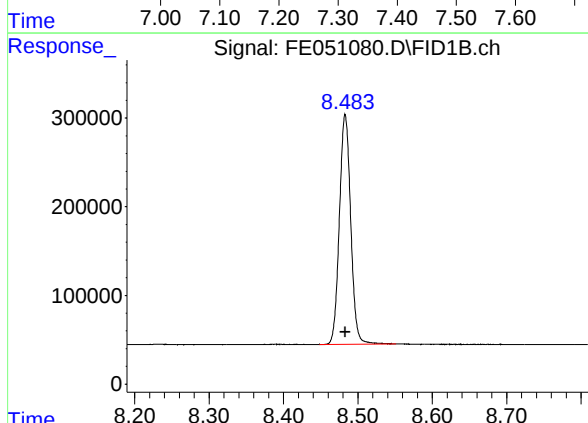
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 2436503
Conc: 19.48 ug/ml

Instrument :

FID_E

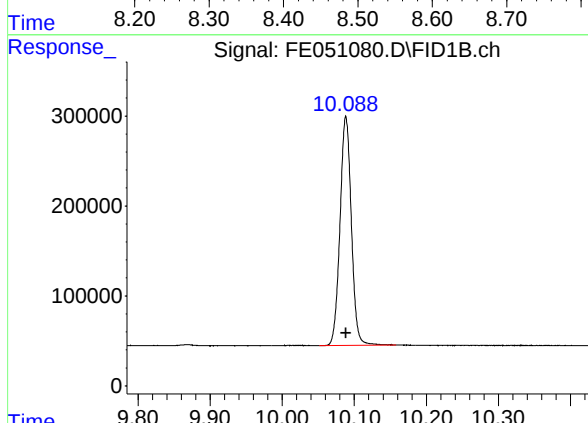
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



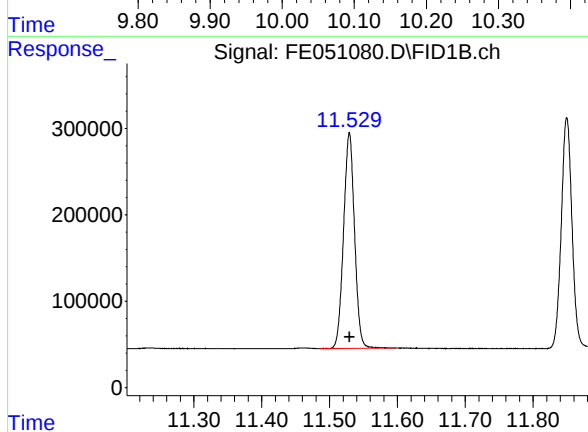
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 2733431
Conc: 19.61 ug/ml



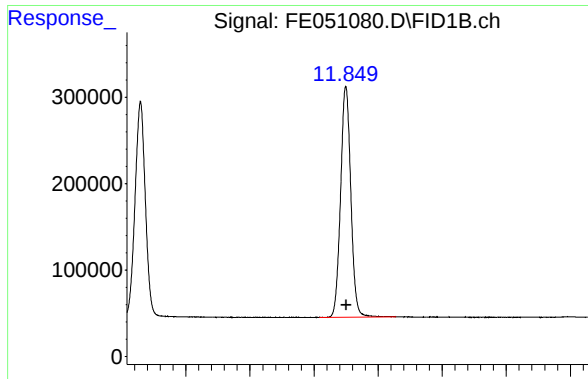
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 2786787
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: 0.000 min
Response: 2807159
Conc: 19.66 ug/ml



#9 ortho-Terphenyl (SURR)

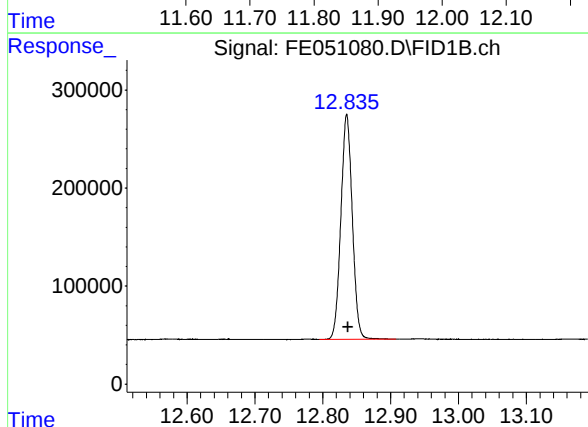
R.T.: 11.850 min
Delta R.T.: 0.000 min
Response: 2942288
Conc: 19.60 ug/ml

Instrument :

FID_E

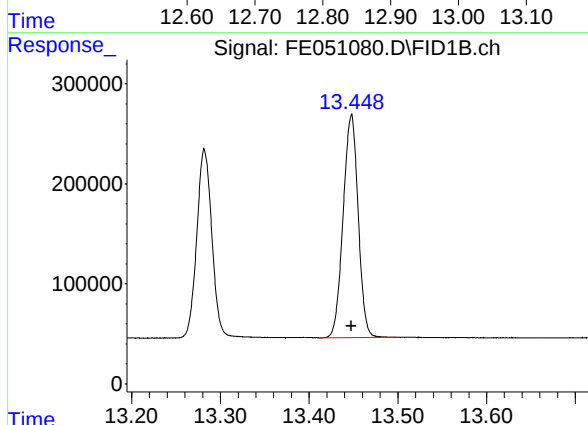
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



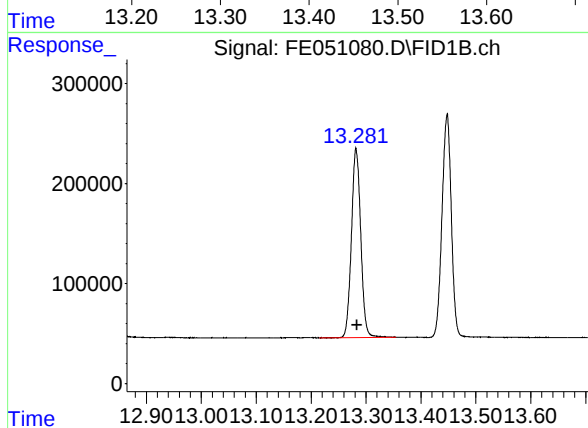
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: -0.002 min
Response: 2686473
Conc: 19.63 ug/ml



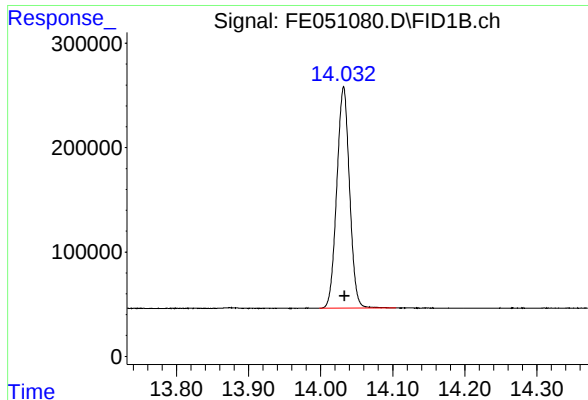
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 2623993
Conc: 19.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.282 min
Delta R.T.: -0.001 min
Response: 2226415
Conc: 19.61 ug/ml



#13 n-Docosane (C22)

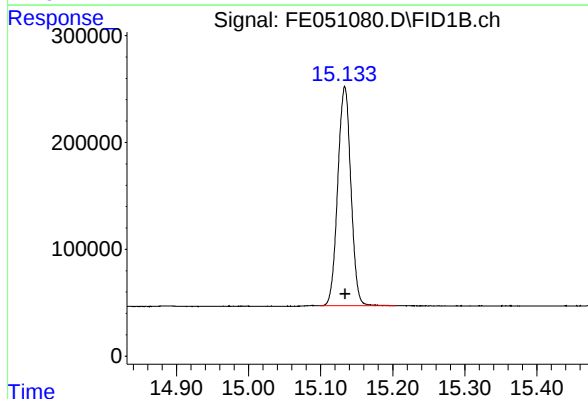
R.T.: 14.032 min
Delta R.T.: -0.002 min
Response: 2608929
Conc: 19.62 ug/ml

Instrument :

FID_E

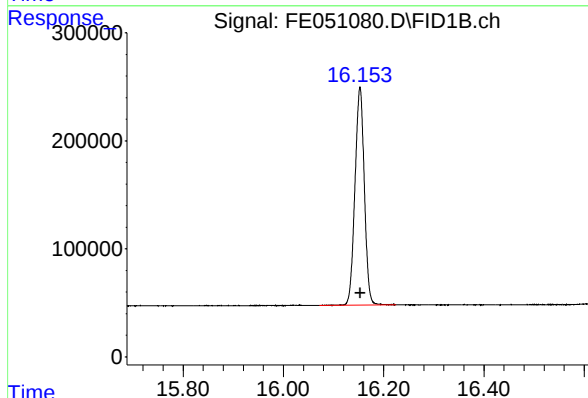
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



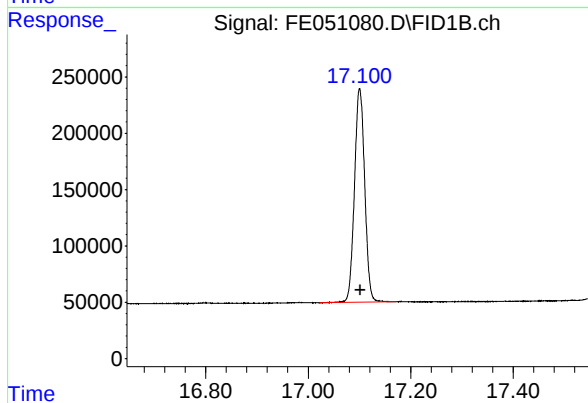
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: 0.000 min
Response: 2597382
Conc: 19.58 ug/ml



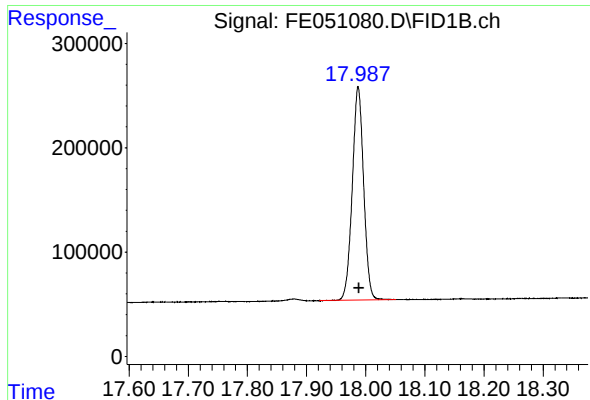
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: 0.000 min
Response: 2611945
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.001 min
Response: 2629871
Conc: 19.29 ug/ml



#17 n-Tricontane (C30)

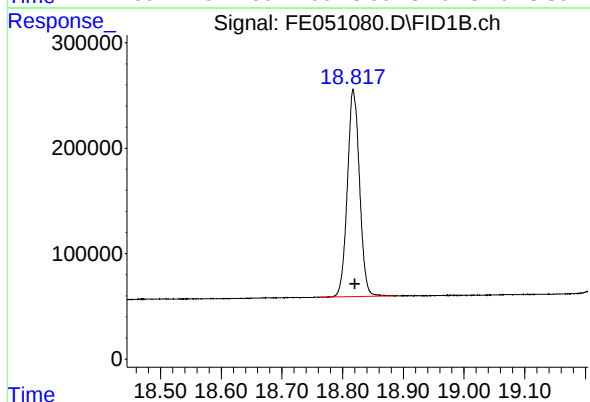
R.T.: 17.987 min
Delta R.T.: -0.002 min
Response: 2729015
Conc: 18.78 ug/ml

Instrument :

FID_E

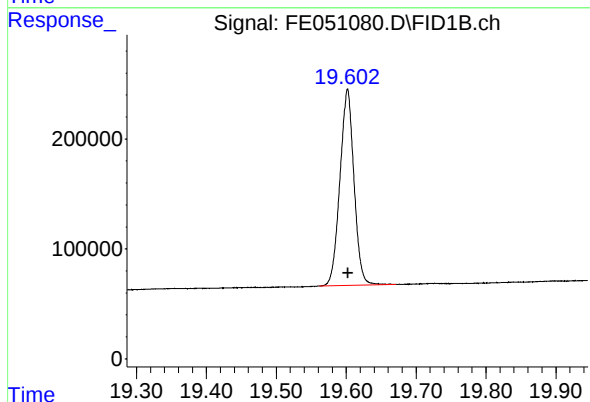
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



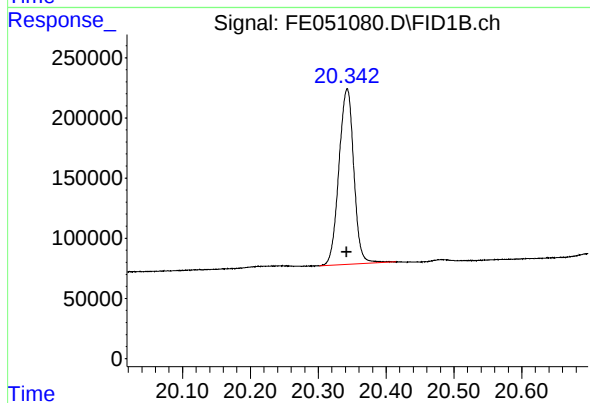
#18 n-Dotriacontane (C32)

R.T.: 18.818 min
Delta R.T.: -0.002 min
Response: 2734748
Conc: 18.42 ug/ml



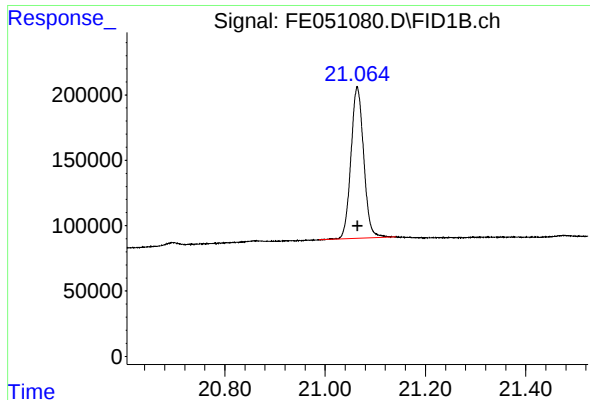
#19 n-Tetatriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 2494543
Conc: 18.57 ug/ml



#20 n-Hexatriacontane (C36)

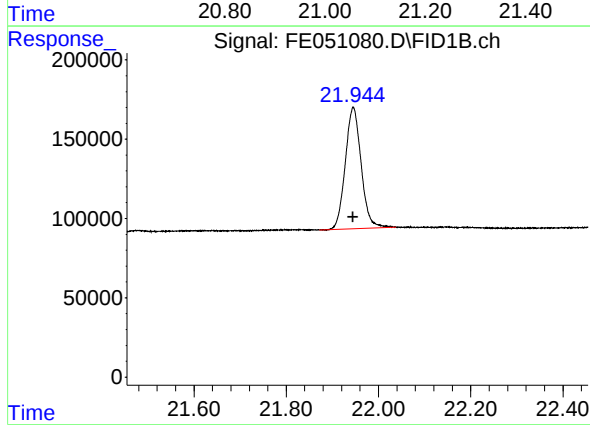
R.T.: 20.342 min
Delta R.T.: 0.000 min
Response: 2221919
Conc: 18.62 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.064 min
Delta R.T.: 0.000 min
Response: 2040381
Conc: 17.93 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.945 min
Delta R.T.: 0.000 min
Response: 1820370
Conc: 16.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051080.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 19:23
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.208	3.305	BB	271236	2722511	92.53%	4.807%
2	4.489	4.451	4.551	BB	272872	2753679	93.59%	4.862%
3	6.202	6.178	6.318	BB	226737	2658198	90.34%	4.693%
4	6.657	6.615	6.718	BB	278018	2773973	94.28%	4.898%
5	7.298	7.268	7.398	BB	195643	2436503	82.81%	4.302%
6	8.483	8.448	8.551	BB	257377	2733431	92.90%	4.826%
7	10.088	10.051	10.158	BB	254117	2786787	94.71%	4.920%
8	11.529	11.485	11.598	BB	247998	2807159	95.41%	4.956%
9	11.850	11.808	11.928	BB	267050	2942288	100.00%	5.195%
10	12.835	12.795	12.908	BB	229102	2686473	91.31%	4.743%
11	13.282	13.215	13.355	BB	188494	2226415	75.67%	3.931%
12	13.447	13.411	13.498	BB	223472	2623993	89.18%	4.633%
13	14.032	13.998	14.105	BB	211282	2608929	88.67%	4.606%
14	15.133	15.098	15.205	BB	205691	2597382	88.28%	4.586%
15	16.153	16.071	16.225	BB	199890	2611945	88.77%	4.611%
16	17.101	17.021	17.171	BB	189007	2629871	89.38%	4.643%
17	17.987	17.921	18.051	BB	204277	2729015	92.75%	4.818%
18	18.818	18.761	18.888	BB	194905	2734748	92.95%	4.828%
19	19.602	19.561	19.671	BB	177807	2494543	84.78%	4.404%
20	20.342	20.301	20.415	BB	145539	2221919	75.52%	3.923%
21	21.064	20.988	21.141	BB	115781	2040381	69.35%	3.602%
22	21.945	21.871	22.038	BB	76545	1820370	61.87%	3.214%
Sum of corrected areas:							56640511	

Aliphatic EPH 110724.M Thu Nov 07 06:42:42 2024