

Initial Calibration Report for SequenceID : FF082825AL

AreaCount

Parameter Range	FF016262.D	FF016263.D	FF016264.D	FF016265.D	FF016266.D	
Aliphatic C9-C12	33315935.000	17589839.000	7059327.000	3603788.000	1893391.000	
Aliphatic C12-C16	23002718.000	12189380.000	4867787.000	2485284.000	1306020.000	
Aliphatic C16-C21	35775321.000	18961268.000	7656964.000	3909416.000	2055389.000	
Aliphatic C21-C28	46828519.000	24572921.000	10042913.000	5130806.000	2685424.000	
Aliphatic C28-C40	55399589.000	28861849.000	12257592.000	6368488.000	3346626.000	
Aliphatic EPH	194322082.000	102175257.000	41884583.000	21497782.000	11286850.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	118465.2986662	4.624				
Aliphatic C12-C16	122693.653	4.568				
Aliphatic C16-C21	128123.0779996	5.028				
Aliphatic C21-C28	125602.733	5.075				
Aliphatic C28-C40	101676.2156664	7.538				
Aliphatic EPH	116534.4812218	5.591				

Concentration

Parameter Range	FF016262.D	FF016263.D	FF016264.D	FF016265.D	FF016266.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	FF016262.D	FF016263.D	FF016264.D	FF016265.D	FF016266.D	
Aliphatic C9-C12	111053.116666	117265.593333	117655.450000	120126.266666	126226.066666	
Aliphatic C12-C16	115013.590000	121893.800000	121694.675000	124264.200000	130602.000000	
Aliphatic C16-C21	119251.070000	126408.453333	127616.066666	130313.866666	137025.933333	

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Aliphatic C21-C28	117071.297500	122864.605000	125536.412500	128270.150000	134271.200000	
Aliphatic C28-C40	92332.648333	96206.163333	102146.600000	106141.466666	111554.200000	
Aliphatic EPH	107956.712222	113528.063333	116346.063888	119432.122222	125409.444444	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016262.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 14:28
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 29 03:21:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 03:19:37 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)	11.989	13477083	93.938 ug/ml
Spiked Amount 50.000		Recovery =	187.88%
12) S 1-chlorooctadecane (S...	13.427	10451306	94.038 ug/ml
Spiked Amount 50.000		Recovery =	188.08%
Target Compounds			
1) T n-Nonane (C9)	3.338	10921774	94.200 ug/ml
2) T n-Decane (C10)	4.600	11126596	94.422 ug/ml
3) T A~Naphthalene (C11.7)	6.310	12278737	94.524 ug/ml
4) T n-Dodecane (C12)	6.778	11267565	94.539 ug/ml
5) T A~2-methylnaphthalene...	7.412	12035023	95.113 ug/ml
6) T n-Tetradecane (C14)	8.612	11284902	94.454 ug/ml
7) T n-Hexadecane (C16)	10.222	11717816	94.564 ug/ml
8) T n-Octadecane (C18)	11.670	12096242	93.779 ug/ml
10) T n-Eicosane (C20)	12.981	11880156	93.258 ug/ml
11) T n-Heneicosane (C21)	13.595	11798923	93.293 ug/ml
13) T n-Docosane (C22)	14.183	11837734	93.466 ug/ml
14) T n-Tetracosane (C24)	15.288	11916363	93.334 ug/ml
15) T n-Hexacosane (C26)	16.313	11701528	93.651 ug/ml
16) T n-Octacosane (C28)	17.264	11372894	92.560 ug/ml
17) T n-Tricontane (C30)	18.155	11332018	90.479 ug/ml
18) T n-Dotriacontane (C32)	18.990	10713768	88.328 ug/ml
19) T n-Tetratriacontane (C34)	19.776	9764280	88.887 ug/ml
20) T n-Hexatriacontane (C36)	20.517	8490934	90.374 ug/ml
21) T n-Octatriacontane (C38)	21.278	7745351	92.097 ug/ml
22) T n-Tetracontane (C40)	22.230	7353238	93.746 ug/ml

(f)=RT Delta > 1/2 Window

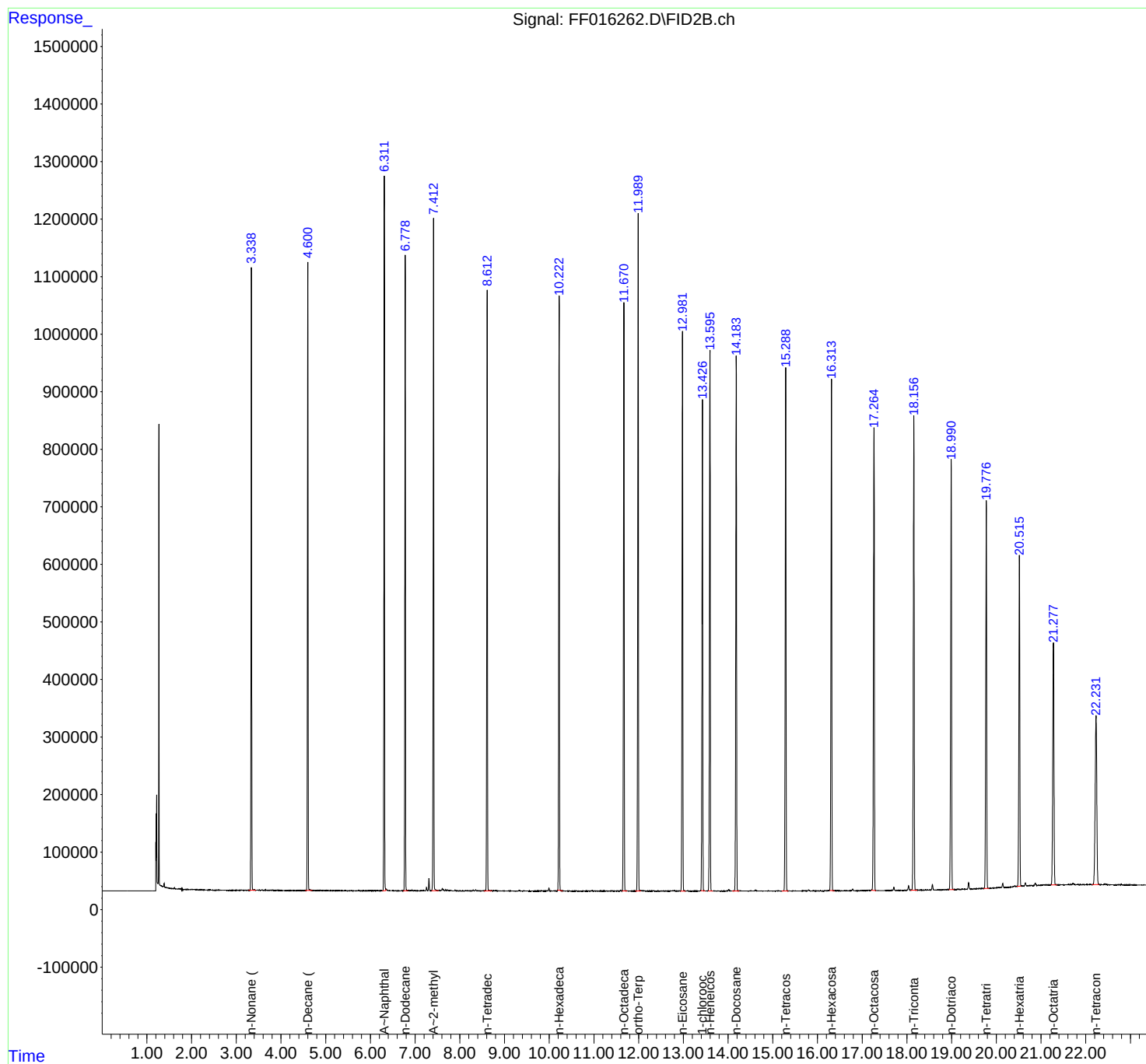
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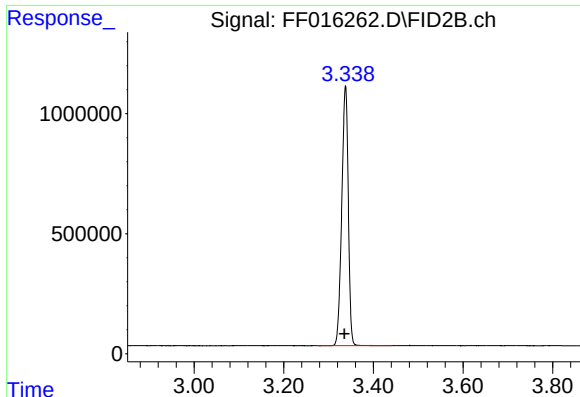
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Data File : FF016262.D
Signal(s) : FID2B.ch
Acq On : 28 Aug 2025 14:28
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 29 03:21:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 03:19:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

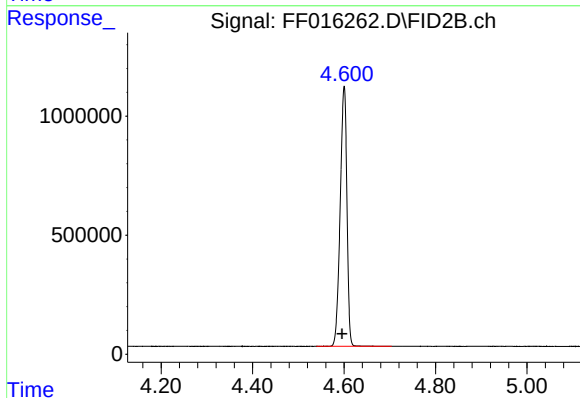




#1 n-Nonane (C9)

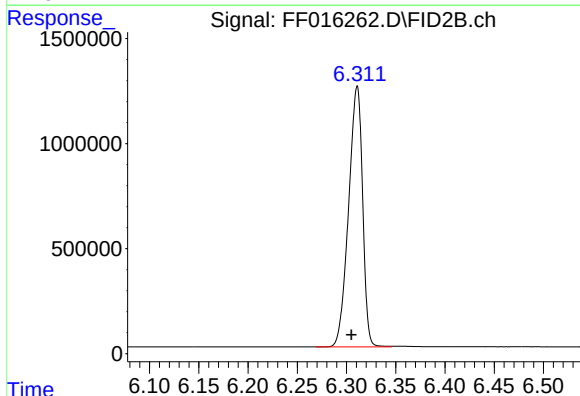
R.T.: 3.338 min
Delta R.T.: 0.003 min
Response: 10921774
Conc: 94.20 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



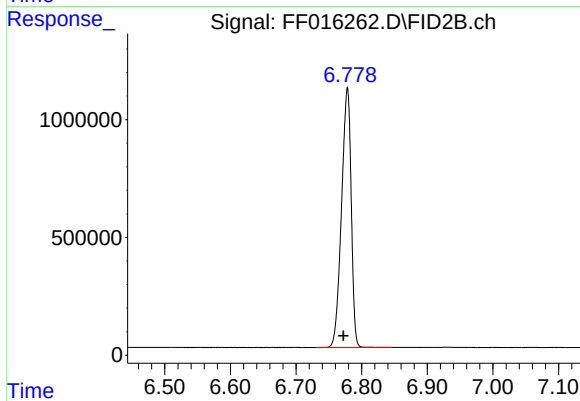
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: 0.004 min
Response: 11126596
Conc: 94.42 ug/ml



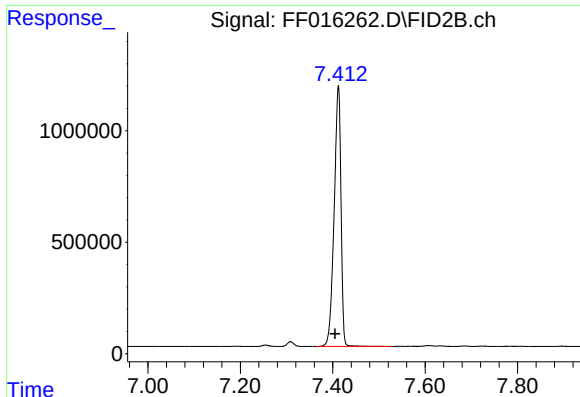
#3 A~Naphthalene (C11.7)

R.T.: 6.310 min
Delta R.T.: 0.006 min
Response: 12278737
Conc: 94.52 ug/ml



#4 n-Dodecane (C12)

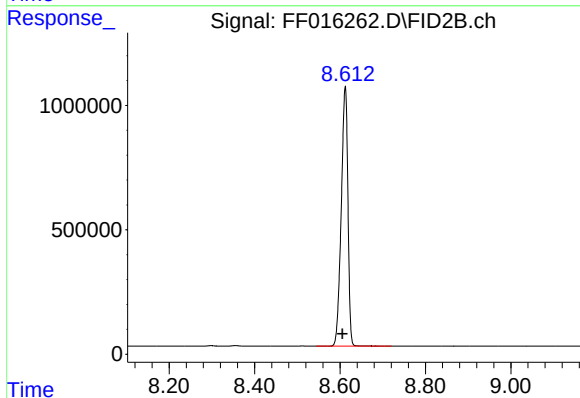
R.T.: 6.778 min
Delta R.T.: 0.006 min
Response: 11267565
Conc: 94.54 ug/ml



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

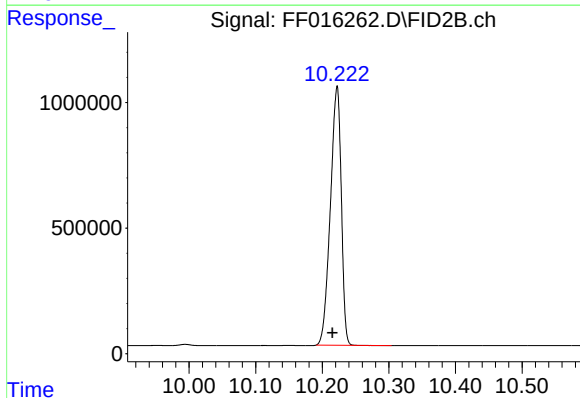
R.T.: 7.412 min
Delta R.T.: 0.007 min
Response: 12035023
Conc: 95.11 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



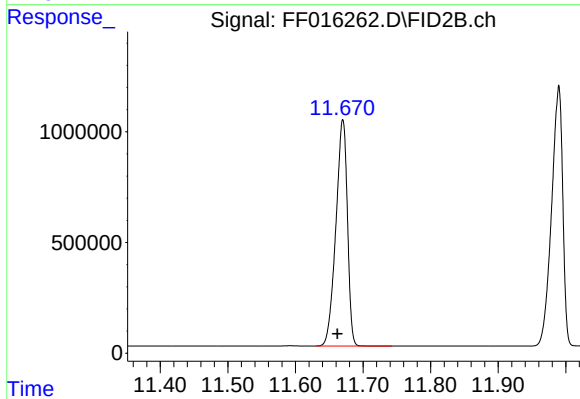
#6 n-Tetradecane (C14)

R.T.: 8.612 min
Delta R.T.: 0.006 min
Response: 11284902
Conc: 94.45 ug/ml



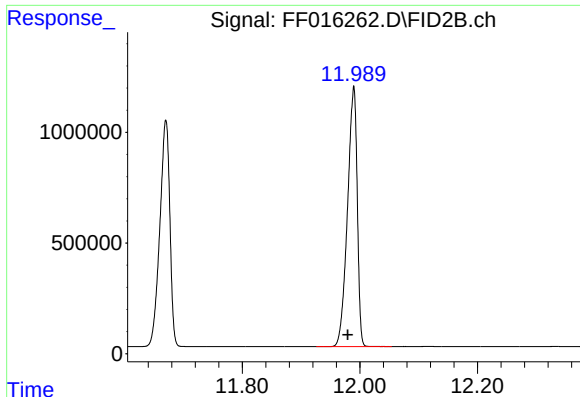
#7 n-Hexadecane (C16)

R.T.: 10.222 min
Delta R.T.: 0.007 min
Response: 11717816
Conc: 94.56 ug/ml



#8 n-Octadecane (C18)

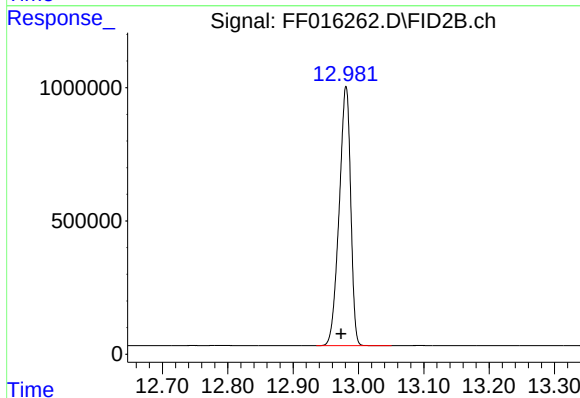
R.T.: 11.670 min
Delta R.T.: 0.008 min
Response: 12096242
Conc: 93.78 ug/ml



#9 ortho-Terphenyl (SURR)

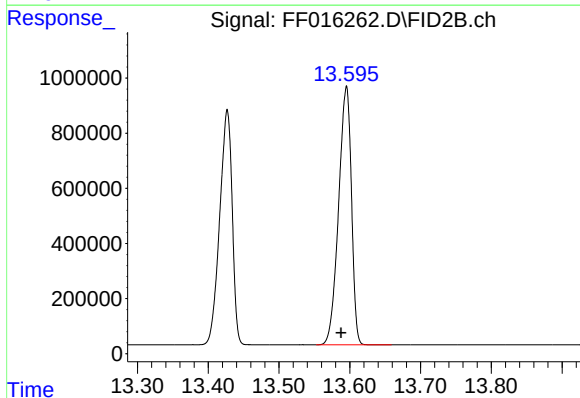
R.T.: 11.989 min
Delta R.T.: 0.009 min
Response: 13477083
Conc: 93.94 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



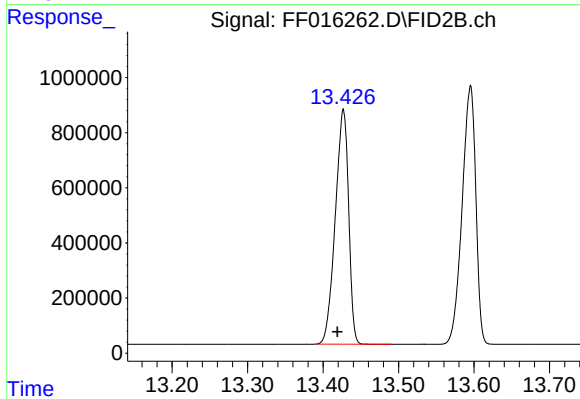
#10 n-Eicosane (C20)

R.T.: 12.981 min
Delta R.T.: 0.007 min
Response: 11880156
Conc: 93.26 ug/ml



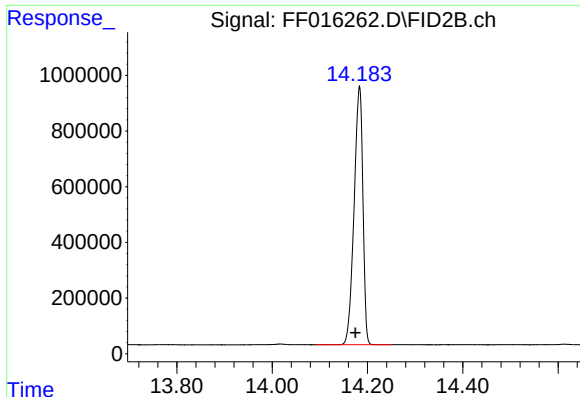
#11 n-Heneicosane (C21)

R.T.: 13.595 min
Delta R.T.: 0.008 min
Response: 11798923
Conc: 93.29 ug/ml



#12 1-chlorooctadecane (SURR)

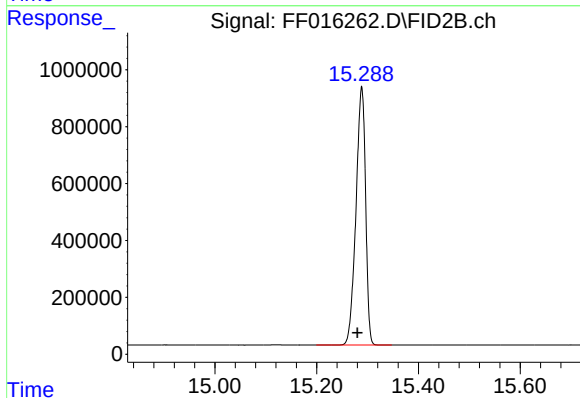
R.T.: 13.427 min
Delta R.T.: 0.008 min
Response: 10451306
Conc: 94.04 ug/ml



#13 n-Docosane (C22)

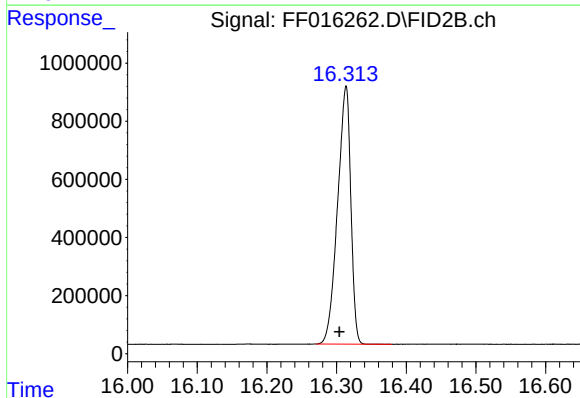
R.T.: 14.183 min
Delta R.T.: 0.008 min
Response: 11837734
Conc: 93.47 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



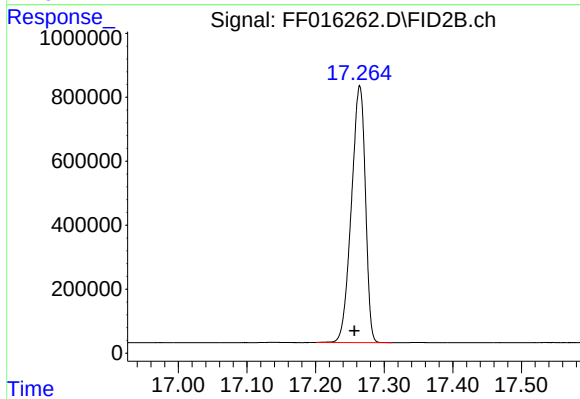
#14 n-Tetracosane (C24)

R.T.: 15.288 min
Delta R.T.: 0.008 min
Response: 11916363
Conc: 93.33 ug/ml



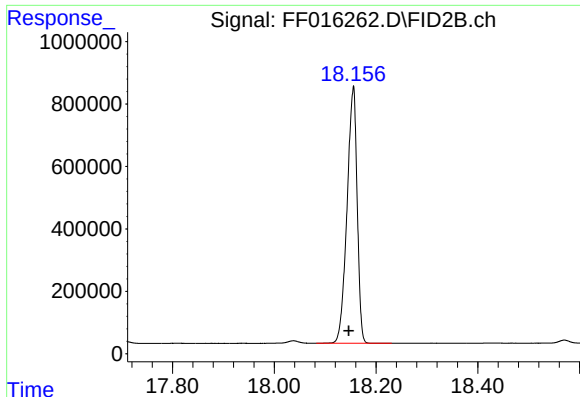
#15 n-Hexacosane (C26)

R.T.: 16.313 min
Delta R.T.: 0.009 min
Response: 11701528
Conc: 93.65 ug/ml



#16 n-Octacosane (C28)

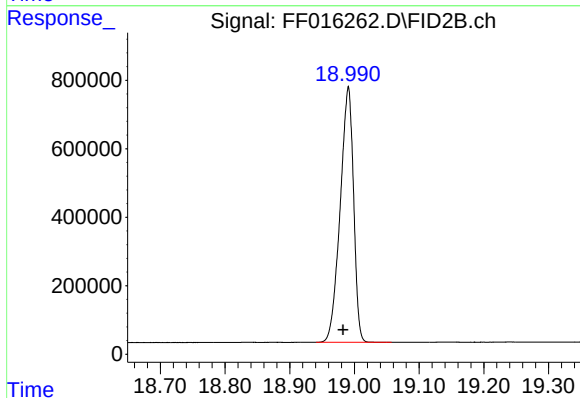
R.T.: 17.264 min
Delta R.T.: 0.008 min
Response: 11372894
Conc: 92.56 ug/ml



#17 n-Tricontane (C30)

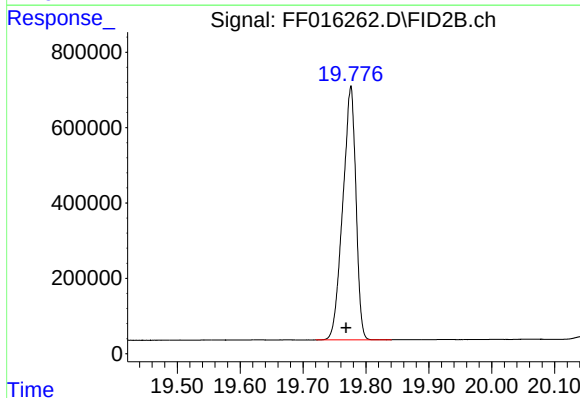
R.T.: 18.155 min
Delta R.T.: 0.009 min
Response: 11332018
Conc: 90.48 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



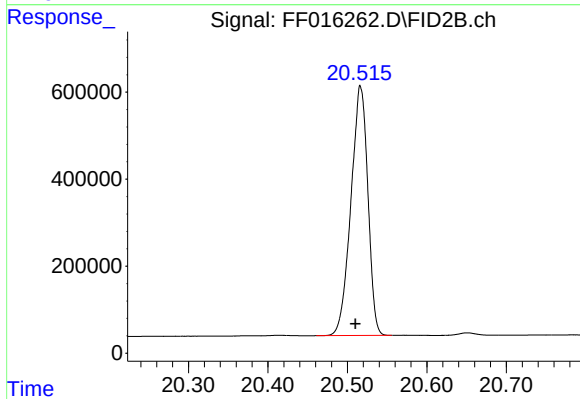
#18 n-Dotriacontane (C32)

R.T.: 18.990 min
Delta R.T.: 0.008 min
Response: 10713768
Conc: 88.33 ug/ml



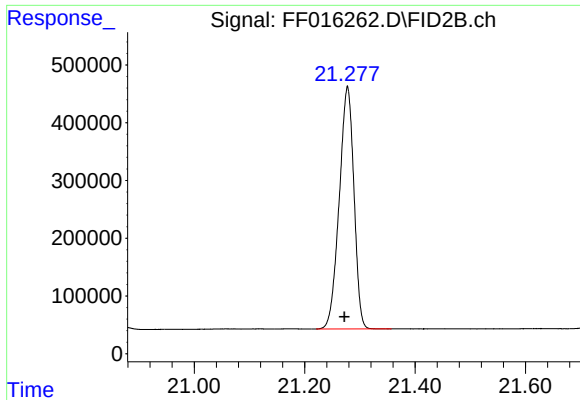
#19 n-Tetratriacontane (C34)

R.T.: 19.776 min
Delta R.T.: 0.007 min
Response: 9764280
Conc: 88.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.517 min
Delta R.T.: 0.006 min
Response: 8490934
Conc: 90.37 ug/ml



#21 n-Octatriacontane (C38)

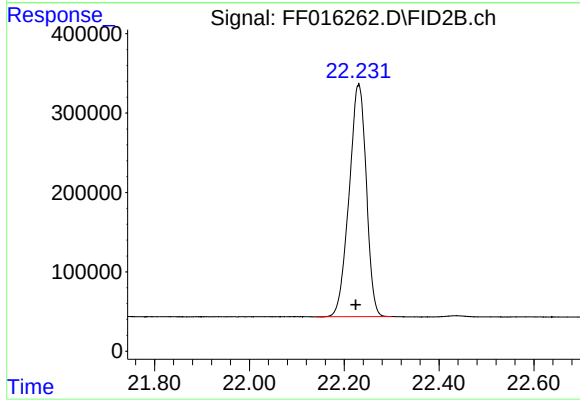
R.T.: 21.278 min
Delta R.T.: 0.006 min
Response: 7745351
Conc: 92.10 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.230 min
Delta R.T.: 0.006 min
Response: 7353238
Conc: 93.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016262.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 14:28
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.338	3.272	3.441	BB	1083080	10921774	81.04%	4.503%
2	4.600	4.539	4.704	BB	1099385	11126596	82.56%	4.587%
3	6.310	6.269	6.346	BV	1244490	12278737	91.11%	5.062%
4	6.778	6.731	6.846	BV	1097099	11267565	83.61%	4.645%
5	7.412	7.364	7.527	PV	1172927	12035023	89.30%	4.962%
6	8.612	8.544	8.721	BB	1046643	11284902	83.73%	4.652%
7	10.222	10.191	10.304	BB	1036971	11717816	86.95%	4.831%
8	11.670	11.631	11.742	BB	1025437	12096242	89.75%	4.987%
9	11.989	11.926	12.054	BB	1171070	13477083	100.00%	5.556%
10	12.981	12.935	13.051	PB	973881	11880156	88.15%	4.898%
11	13.427	13.391	13.491	BB	853531	10451306	77.55%	4.309%
12	13.595	13.552	13.659	VB	944054	11798923	87.55%	4.864%
13	14.183	14.092	14.251	BB	928071	11837734	87.84%	4.880%
14	15.288	15.199	15.347	BB	909426	11916363	88.42%	4.913%
15	16.313	16.271	16.379	BB	884110	11701528	86.83%	4.824%
16	17.264	17.201	17.311	BV	804258	11372894	84.39%	4.689%
17	18.155	18.082	18.231	VB	828142	11332018	84.08%	4.672%
18	18.990	18.941	19.057	BB	748251	10713768	79.50%	4.417%
19	19.776	19.721	19.841	BV	673075	9764280	72.45%	4.025%
20	20.517	20.461	20.556	BV	569415	8490934	63.00%	3.500%
21	21.278	21.221	21.357	BB	420658	7745351	57.47%	3.193%
22	22.230	22.141	22.300	BBA	293628	7353238	54.56%	3.031%
Sum of corrected areas:						242564231		

Aliphatic EPH 082825.M Fri Aug 29 04:25:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016263.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 14:57
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Aug 29 03:22:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 03:19:37 2025
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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Spiked Amount 50.000		Recovery =	99.18%
12) S 1-chlorooctadecane (S...	13.423	5517507	49.645 ug/ml
Spiked Amount 50.000		Recovery =	99.29%
Target Compounds			
1) T n-Nonane (C9)	3.336	5756746	49.652 ug/ml
2) T n-Decane (C10)	4.597	5868071	49.797 ug/ml
3) T A~Naphthalene (C11.7)	6.307	6496536	50.011 ug/ml
4) T n-Dodecane (C12)	6.775	5965022	50.049 ug/ml
5) T A~2-methylnaphthalene...	7.408	6337183	50.083 ug/ml
6) T n-Tetradecane (C14)	8.609	5977208	50.029 ug/ml
7) T n-Hexadecane (C16)	10.218	6212172	50.133 ug/ml
8) T n-Octadecane (C18)	11.665	6422271	49.790 ug/ml
10) T n-Eicosane (C20)	12.977	6296882	49.430 ug/ml
11) T n-Heneicosane (C21)	13.591	6242115	49.356 ug/ml
13) T n-Docosane (C22)	14.178	6249577	49.344 ug/ml
14) T n-Tetracosane (C24)	15.283	6263355	49.057 ug/ml
15) T n-Hexacosane (C26)	16.307	6120648	48.986 ug/ml
16) T n-Octacosane (C28)	17.259	5939341	48.338 ug/ml
17) T n-Tricontane (C30)	18.150	5916904	47.243 ug/ml
18) T n-Dotriacontane (C32)	18.985	5596193	46.137 ug/ml
19) T n-Tetratriacontane (C34)	19.771	5092975	46.363 ug/ml
20) T n-Hexatriacontane (C36)	20.513	4426683	47.116 ug/ml
21) T n-Octatriacontane (C38)	21.273	4019342	47.792 ug/ml
22) T n-Tetracontane (C40)	22.224	3809752	48.571 ug/ml

(f)=RT Delta > 1/2 Window

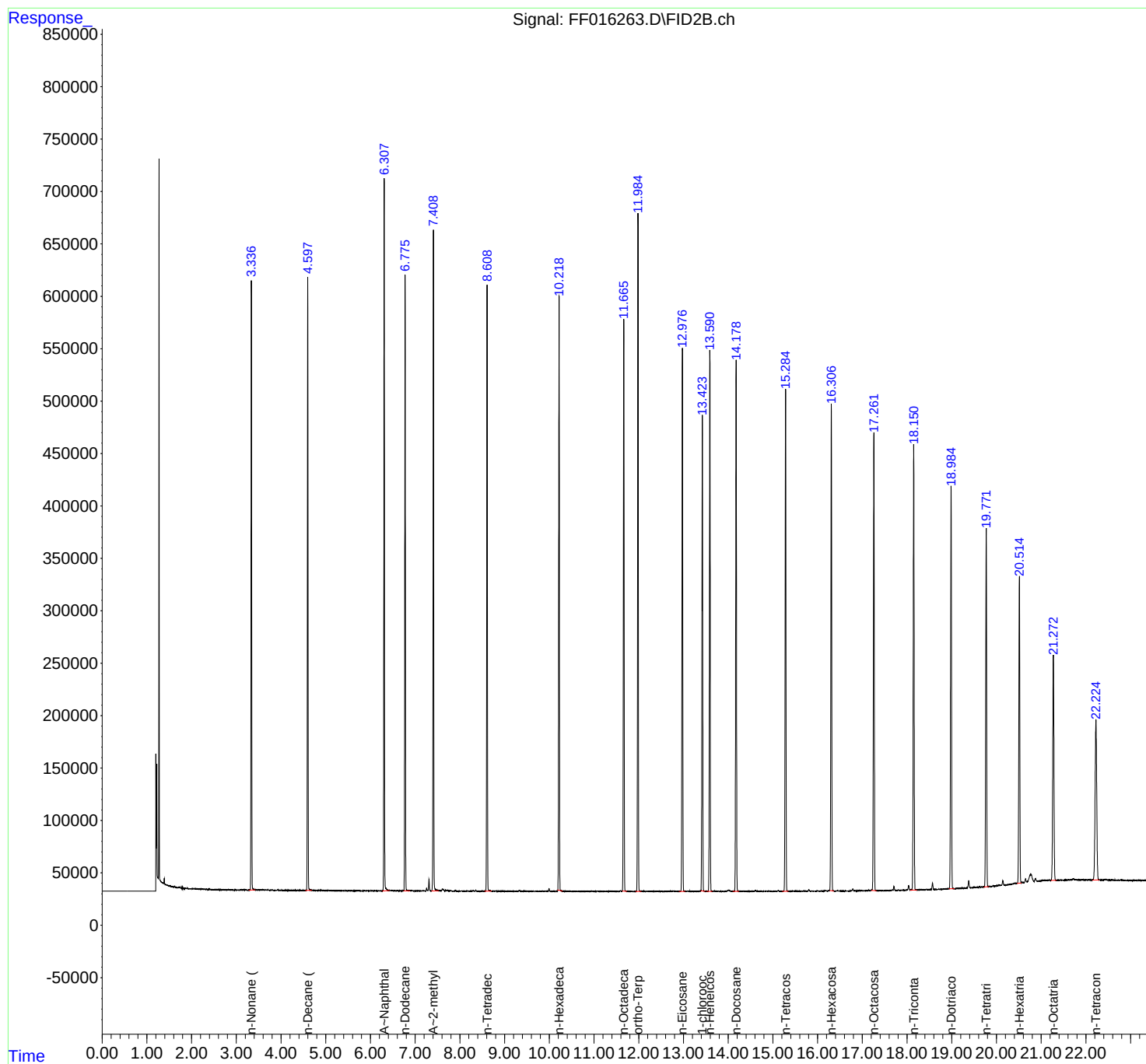
(m)=manual int.

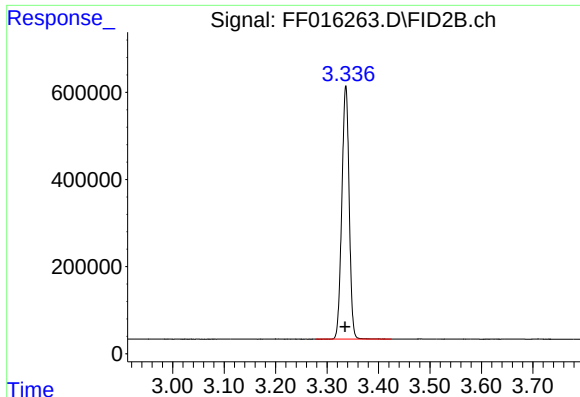
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
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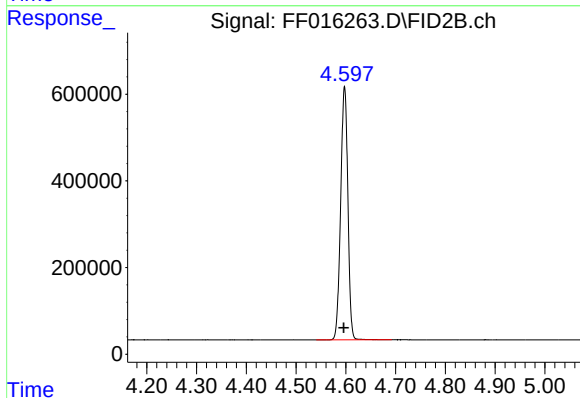




#1 n-Nonane (C9)

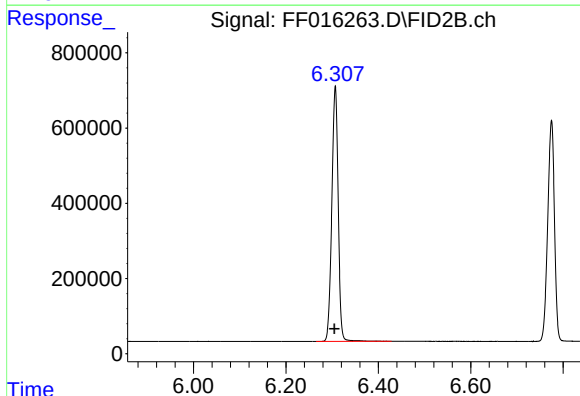
R.T.: 3.336 min
Delta R.T.: 0.001 min
Response: 5756746
Conc: 49.65 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



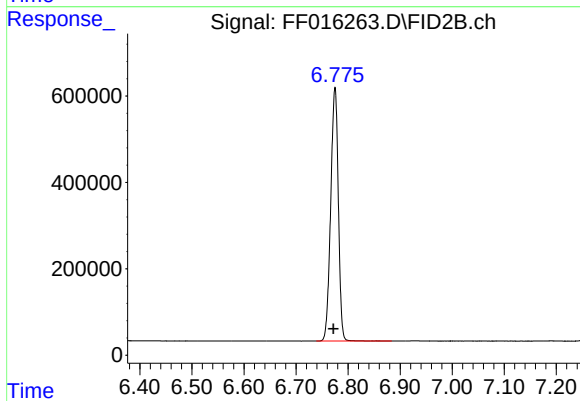
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: 0.002 min
Response: 5868071
Conc: 49.80 ug/ml



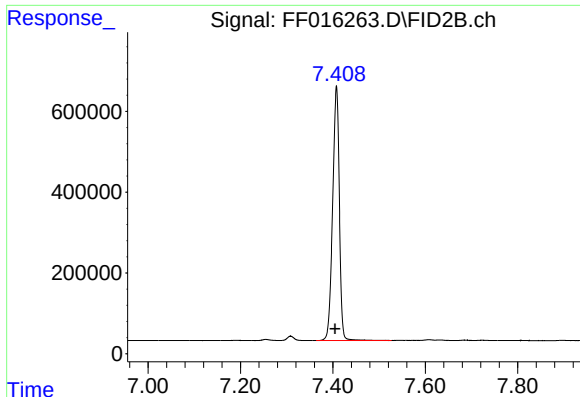
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: 0.002 min
Response: 6496536
Conc: 50.01 ug/ml



#4 n-Dodecane (C12)

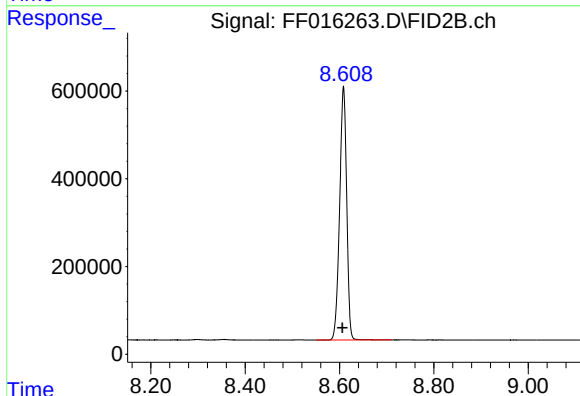
R.T.: 6.775 min
Delta R.T.: 0.003 min
Response: 5965022
Conc: 50.05 ug/ml



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

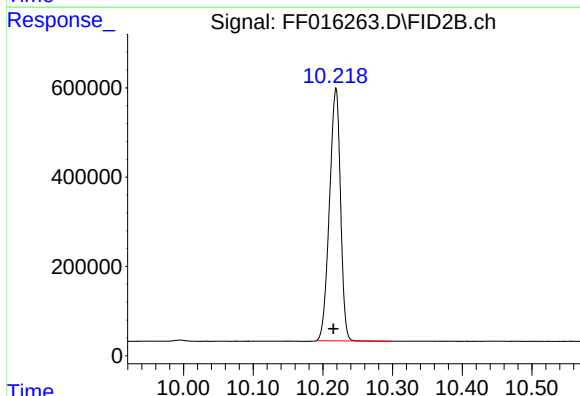
R.T.: 7.408 min
Delta R.T.: 0.003 min
Response: 6337183
Conc: 50.08 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



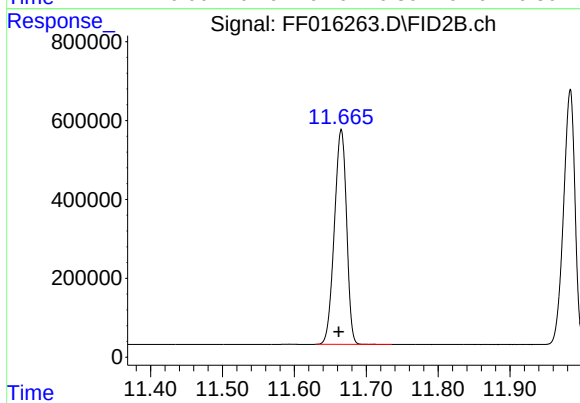
#6 n-Tetradecane (C14)

R.T.: 8.609 min
Delta R.T.: 0.003 min
Response: 5977208
Conc: 50.03 ug/ml



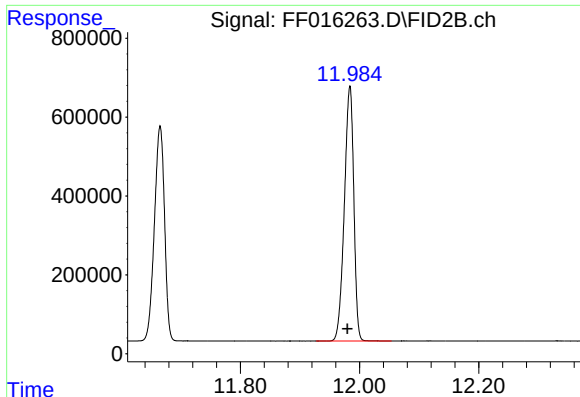
#7 n-Hexadecane (C16)

R.T.: 10.218 min
Delta R.T.: 0.003 min
Response: 6212172
Conc: 50.13 ug/ml



#8 n-Octadecane (C18)

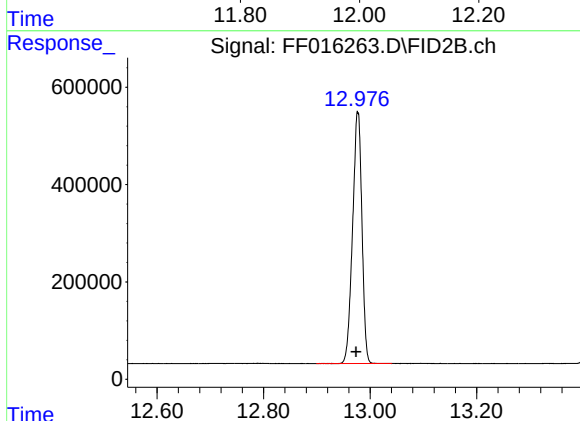
R.T.: 11.665 min
Delta R.T.: 0.003 min
Response: 6422271
Conc: 49.79 ug/ml



#9 ortho-Terphenyl (SURR)

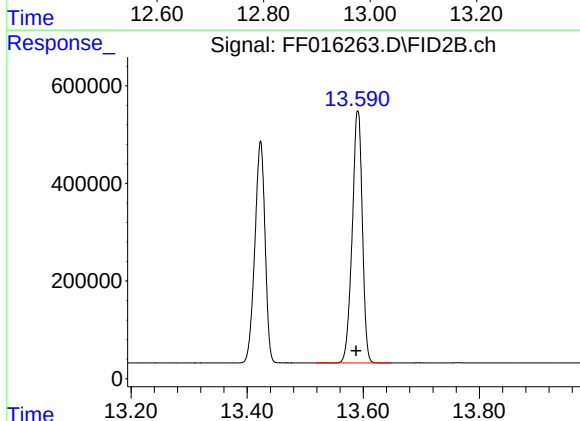
R.T.: 11.984 min
Delta R.T.: 0.004 min
Response: 7114549
Conc: 49.59 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



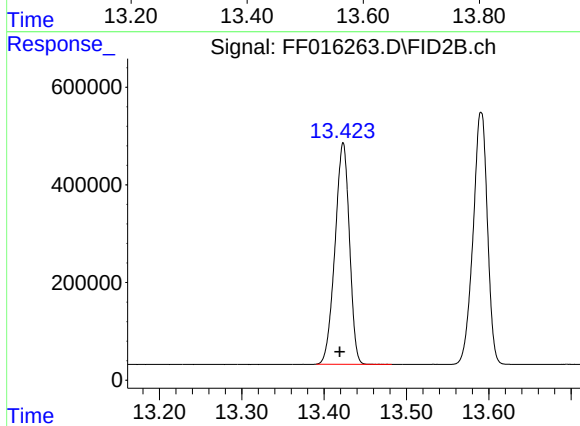
#10 n-Eicosane (C20)

R.T.: 12.977 min
Delta R.T.: 0.003 min
Response: 6296882
Conc: 49.43 ug/ml



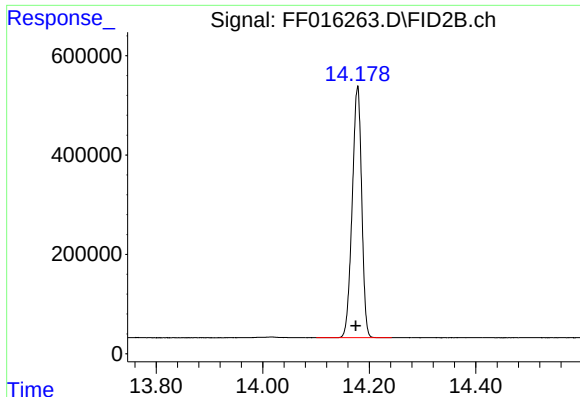
#11 n-Heneicosane (C21)

R.T.: 13.591 min
Delta R.T.: 0.003 min
Response: 6242115
Conc: 49.36 ug/ml



#12 1-chlorooctadecane (SURR)

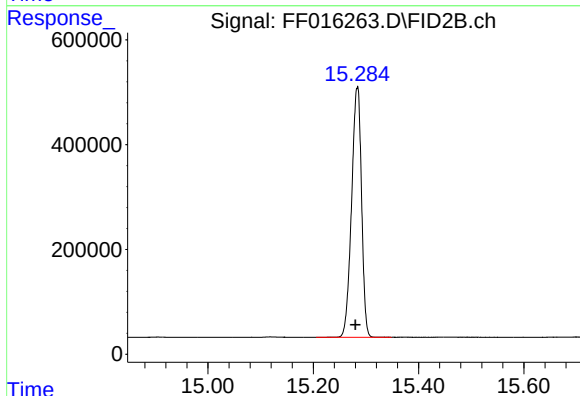
R.T.: 13.423 min
Delta R.T.: 0.004 min
Response: 5517507
Conc: 49.65 ug/ml



#13 n-Docosane (C22)

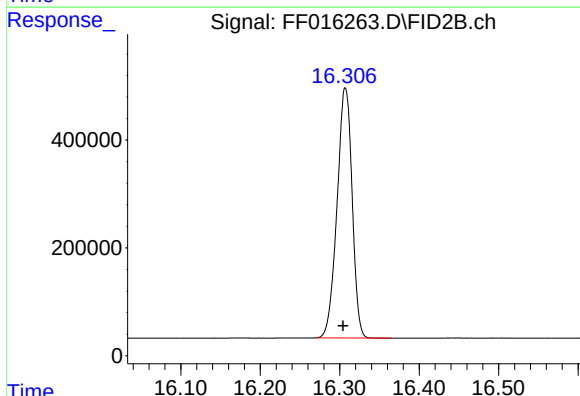
R.T.: 14.178 min
Delta R.T.: 0.003 min
Response: 6249577
Conc: 49.34 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



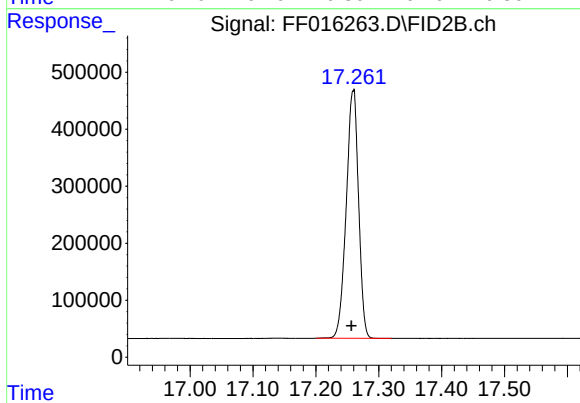
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: 0.003 min
Response: 6263355
Conc: 49.06 ug/ml



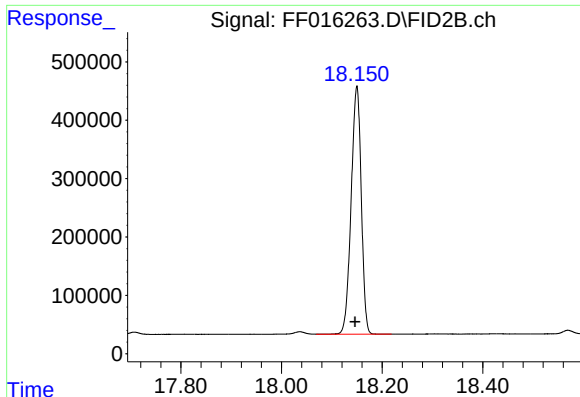
#15 n-Hexacosane (C26)

R.T.: 16.307 min
Delta R.T.: 0.003 min
Response: 6120648
Conc: 48.99 ug/ml



#16 n-Octacosane (C28)

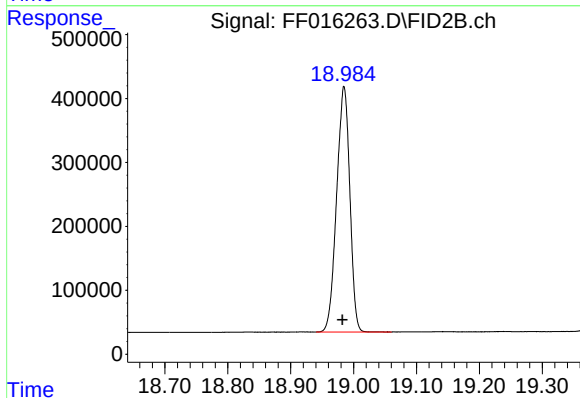
R.T.: 17.259 min
Delta R.T.: 0.003 min
Response: 5939341
Conc: 48.34 ug/ml



#17 n-Tricontane (C30)

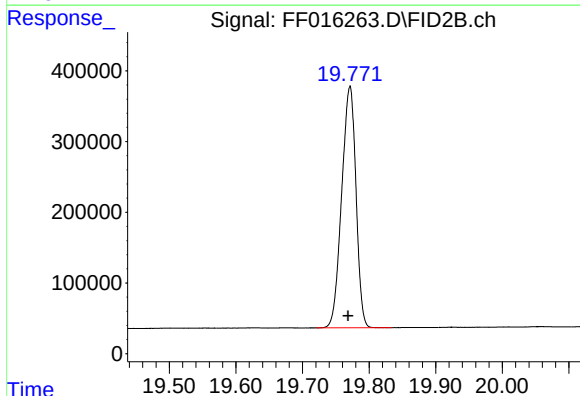
R.T.: 18.150 min
Delta R.T.: 0.003 min
Response: 5916904
Conc: 47.24 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



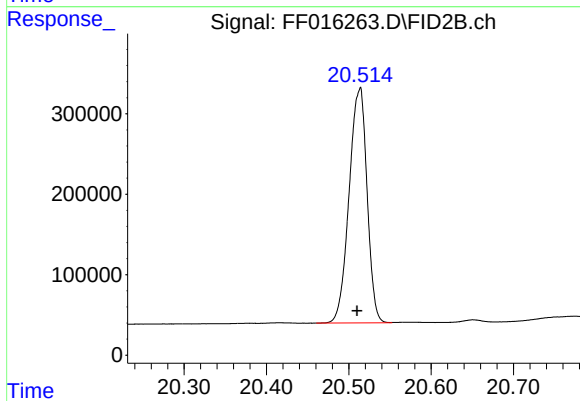
#18 n-Dotriacontane (C32)

R.T.: 18.985 min
Delta R.T.: 0.002 min
Response: 5596193
Conc: 46.14 ug/ml



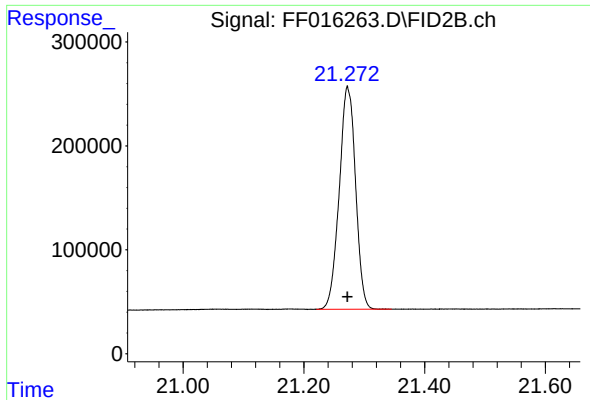
#19 n-Tetratriacontane (C34)

R.T.: 19.771 min
Delta R.T.: 0.003 min
Response: 5092975
Conc: 46.36 ug/ml



#20 n-Hexatriacontane (C36)

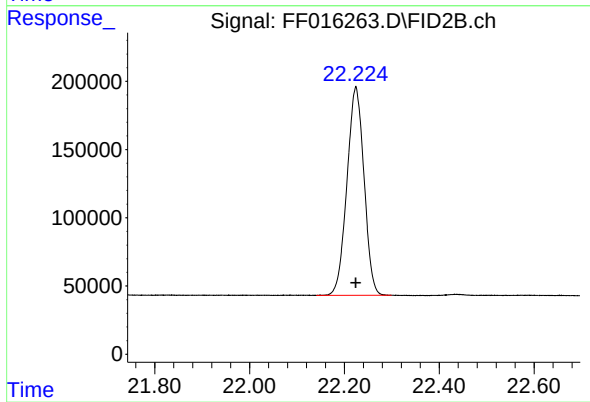
R.T.: 20.513 min
Delta R.T.: 0.003 min
Response: 4426683
Conc: 47.12 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.273 min
Delta R.T.: 0.000 min
Response: 4019342
Conc: 47.79 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.224 min
Delta R.T.: 0.000 min
Response: 3809752
Conc: 48.57 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016263.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 14:57
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.336	3.279	3.425	BB	582940	5756746	80.92%	4.510%
2	4.597	4.540	4.692	BB	585342	5868071	82.48%	4.597%
3	6.307	6.265	6.429	BB	680943	6496536	91.31%	5.090%
4	6.775	6.739	6.884	BB	590527	5965022	83.84%	4.673%
5	7.408	7.364	7.527	PV	628363	6337183	89.07%	4.965%
6	8.609	8.550	8.710	BB	578625	5977208	84.01%	4.683%
7	10.218	10.190	10.299	BB	567835	6212172	87.32%	4.867%
8	11.665	11.630	11.735	BB	545324	6422271	90.27%	5.032%
9	11.984	11.927	12.054	BB	647511	7114549	100.00%	5.574%
10	12.977	12.899	13.040	BB	515702	6296882	88.51%	4.933%
11	13.423	13.390	13.482	BB	455615	5517507	77.55%	4.323%
12	13.591	13.519	13.649	BB	516942	6242115	87.74%	4.890%
13	14.178	14.100	14.242	BB	509441	6249577	87.84%	4.896%
14	15.283	15.205	15.349	BB	477100	6263355	88.04%	4.907%
15	16.307	16.270	16.365	BB	464010	6120648	86.03%	4.795%
16	17.259	17.200	17.320	BB	435113	5939341	83.48%	4.653%
17	18.150	18.069	18.219	VB	426538	5916904	83.17%	4.636%
18	18.985	18.940	19.060	BB	383789	5596193	78.66%	4.384%
19	19.771	19.720	19.834	BB	340797	5092975	71.59%	3.990%
20	20.513	20.460	20.552	BV	289179	4426683	62.22%	3.468%
21	21.273	21.220	21.345	BB	214147	4019342	56.49%	3.149%
22	22.224	22.140	22.300	BBA	152827	3809752	53.55%	2.985%
Sum of corrected areas:						127641030		

Aliphatic EPH 082825.M Fri Aug 29 04:24:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016264.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 15:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Aug 29 03:22:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 03:19:37 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)	11.980	2869348	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.419	2222782	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.335	2318851	20.000 ug/ml
2) T n-Decane (C10)	4.596	2356788	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.305	2598020	20.000 ug/ml
4) T n-Dodecane (C12)	6.772	2383688	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.405	2530683	20.000 ug/ml
6) T n-Tetradecane (C14)	8.606	2389512	20.000 ug/ml
7) T n-Hexadecane (C16)	10.215	2478275	20.000 ug/ml
8) T n-Octadecane (C18)	11.662	2579721	20.000 ug/ml
10) T n-Eicosane (C20)	12.974	2547803	20.000 ug/ml
11) T n-Heneicosane (C21)	13.587	2529440	20.000 ug/ml
13) T n-Docosane (C22)	14.174	2533057	20.000 ug/ml
14) T n-Tetracosane (C24)	15.280	2553492	20.000 ug/ml
15) T n-Hexacosane (C26)	16.304	2498960	20.000 ug/ml
16) T n-Octacosane (C28)	17.256	2457404	20.000 ug/ml
17) T n-Tricontane (C30)	18.146	2504891	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.982	2425892	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.768	2197004	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.510	1879057	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.272	1681997	20.000 ug/ml
22) T n-Tetracontane (C40)	22.224	1568751	20.000 ug/ml

(f)=RT Delta > 1/2 Window

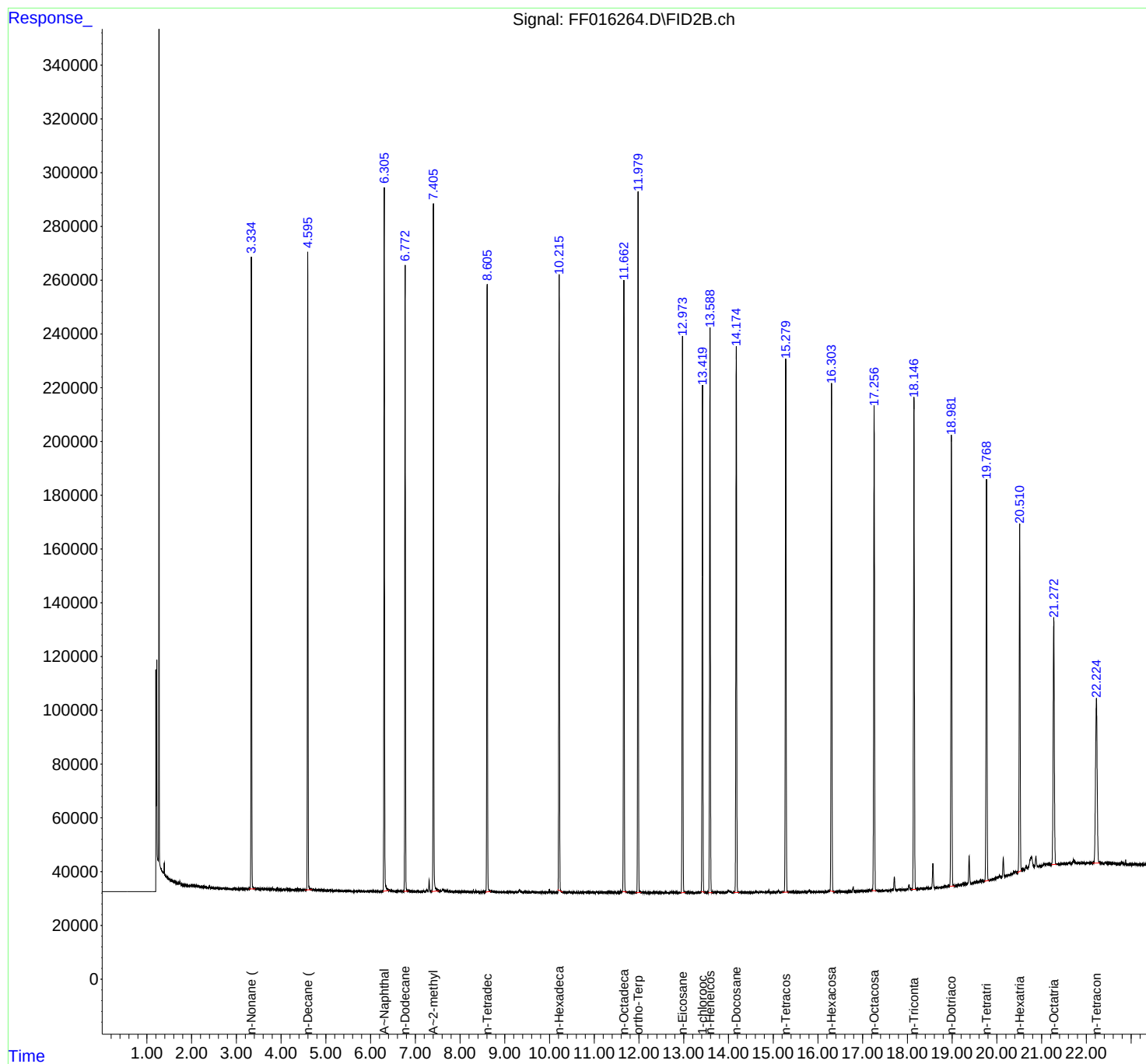
(m)=manual int.

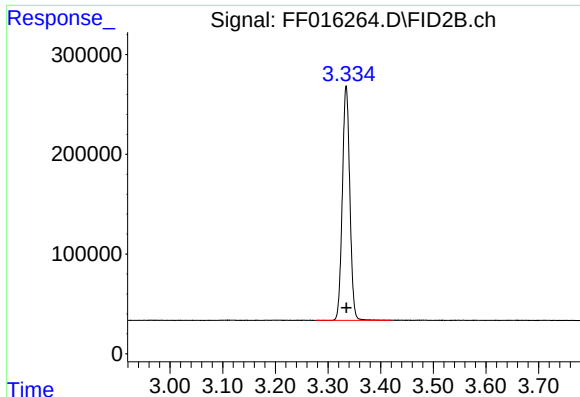
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
Data File : FF016264.D
Signal(s) : FID2B.ch
Acq On : 28 Aug 2025 15:27
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 29 03:22:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 03:19:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

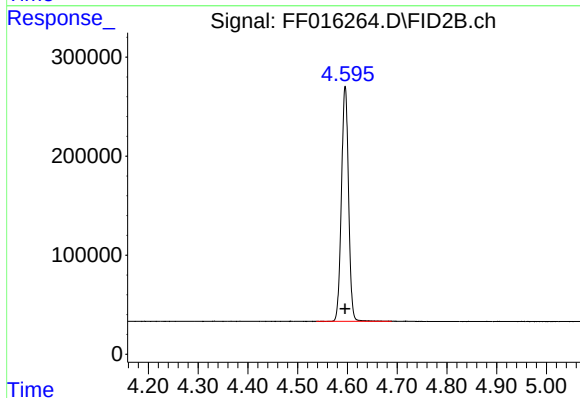




#1 n-Nonane (C9)

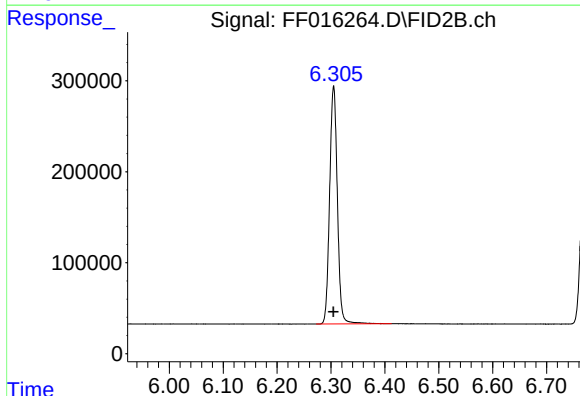
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 2318851
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



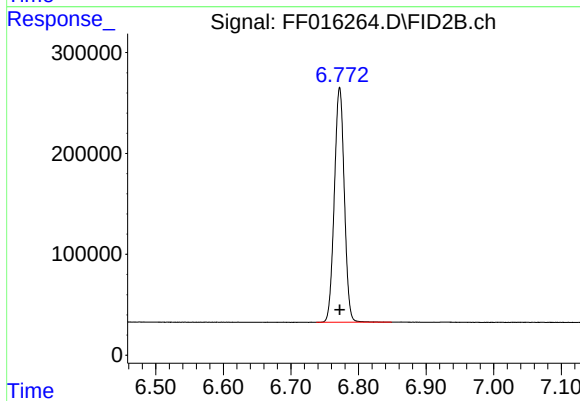
#2 n-Decane (C10)

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 2356788
Conc: 20.00 ug/ml



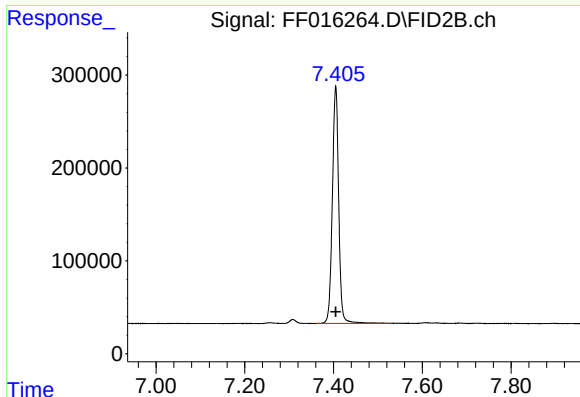
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 2598020
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

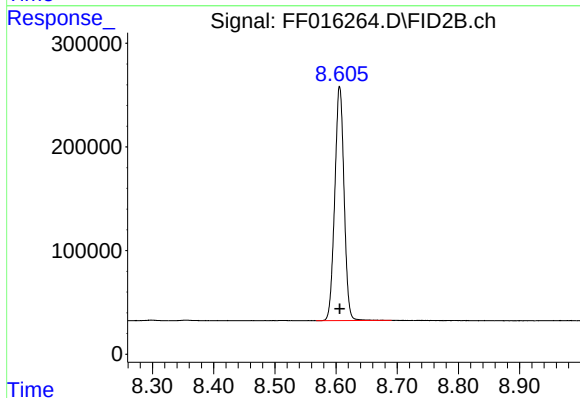
R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2383688
Conc: 20.00 ug/ml



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

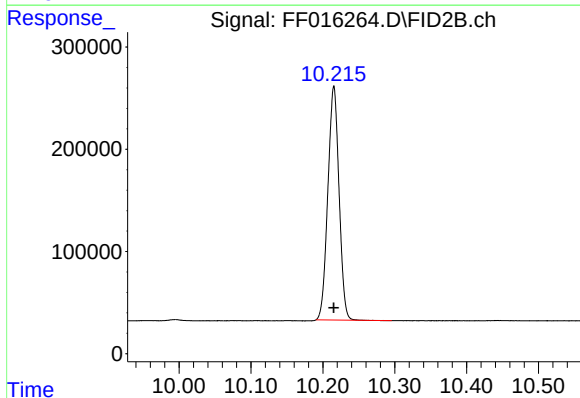
R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 2530683
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



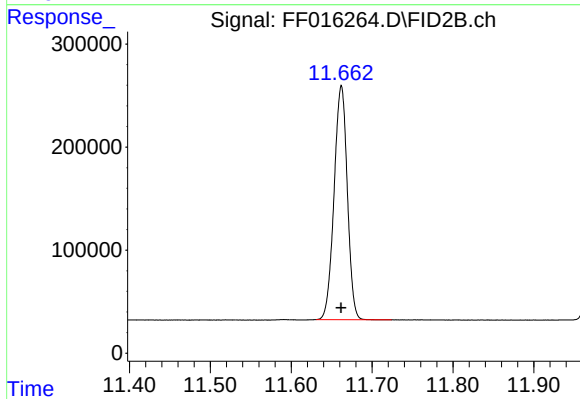
#6 n-Tetradecane (C14)

R.T.: 8.606 min
Delta R.T.: 0.000 min
Response: 2389512
Conc: 20.00 ug/ml



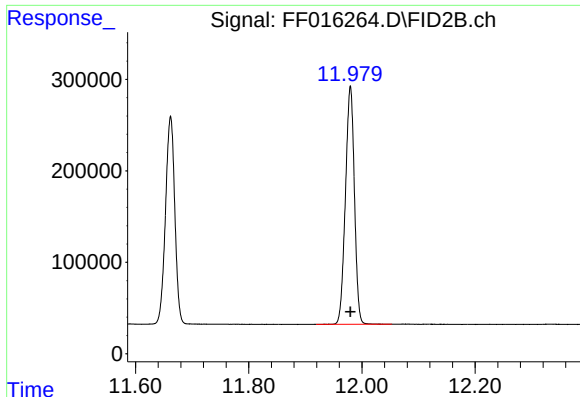
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 2478275
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

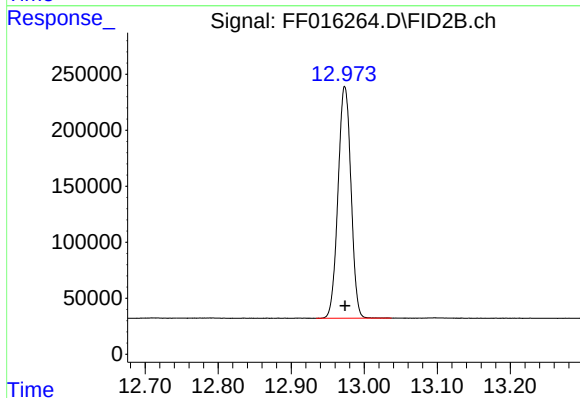
R.T.: 11.662 min
Delta R.T.: 0.000 min
Response: 2579721
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

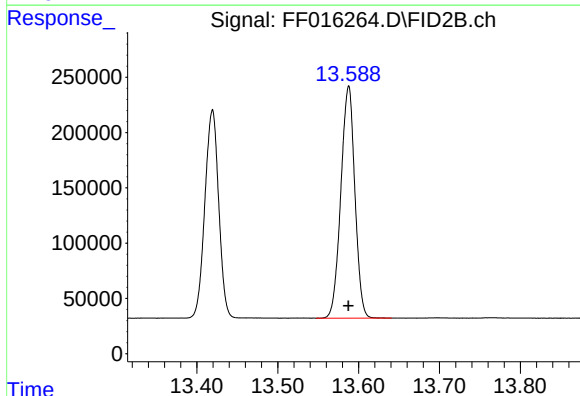
R.T.: 11.980 min
Delta R.T.: 0.000 min
Response: 2869348
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



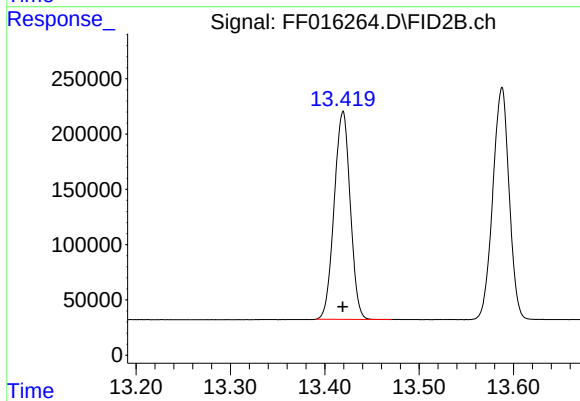
#10 n-Eicosane (C20)

R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 2547803
Conc: 20.00 ug/ml



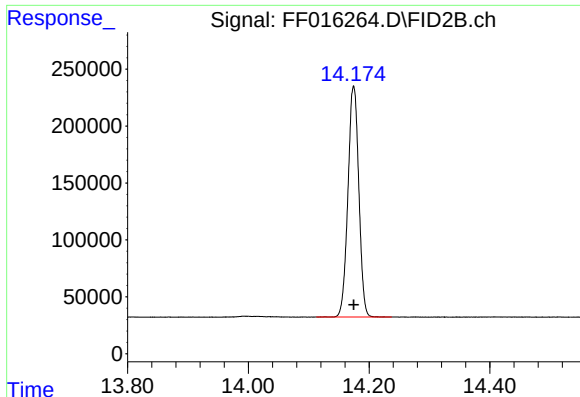
#11 n-Heneicosane (C21)

R.T.: 13.587 min
Delta R.T.: 0.000 min
Response: 2529440
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

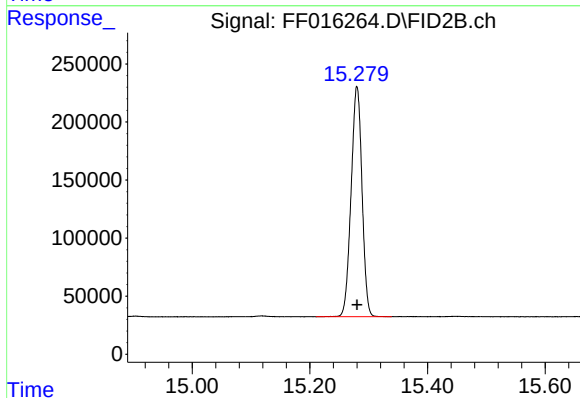
R.T.: 13.419 min
Delta R.T.: 0.000 min
Response: 2222782
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

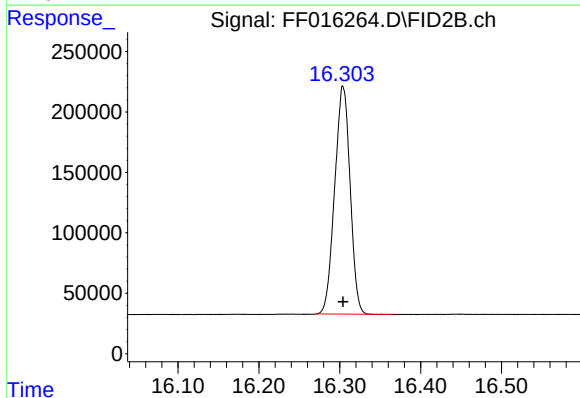
R.T.: 14.174 min
Delta R.T.: 0.000 min
Response: 2533057
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



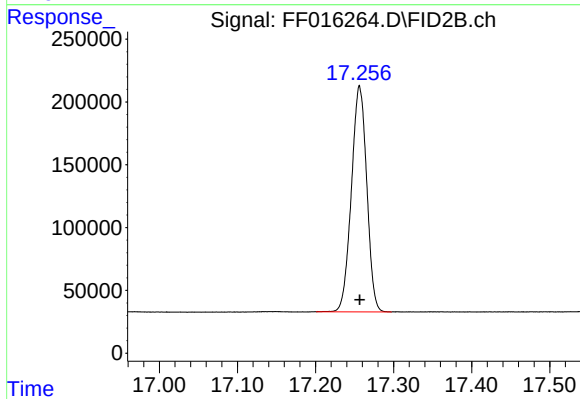
#14 n-Tetracosane (C24)

R.T.: 15.280 min
Delta R.T.: 0.000 min
Response: 2553492
Conc: 20.00 ug/ml



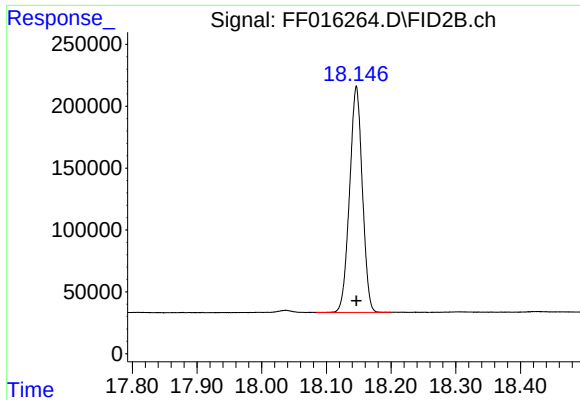
#15 n-Hexacosane (C26)

R.T.: 16.304 min
Delta R.T.: 0.000 min
Response: 2498960
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

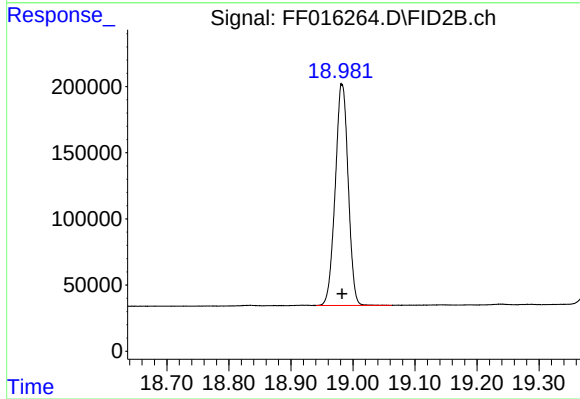
R.T.: 17.256 min
Delta R.T.: 0.000 min
Response: 2457404
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

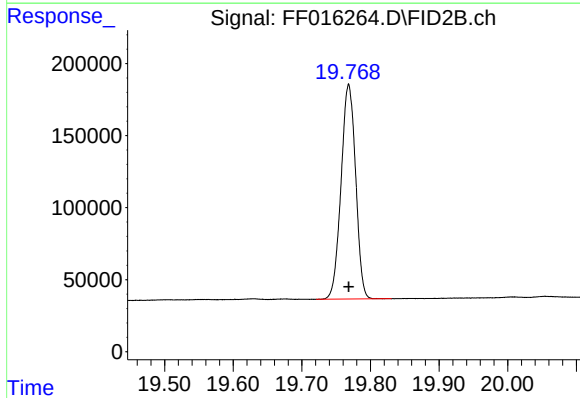
R.T.: 18.146 min
Delta R.T.: 0.000 min
Response: 2504891
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



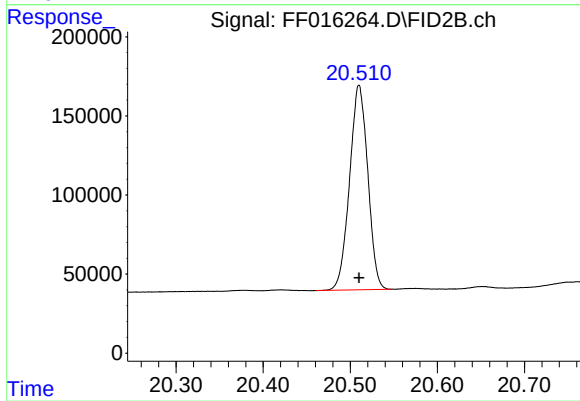
#18 n-Dotriacontane (C32)

R.T.: 18.982 min
Delta R.T.: 0.000 min
Response: 2425892
Conc: 20.00 ug/ml



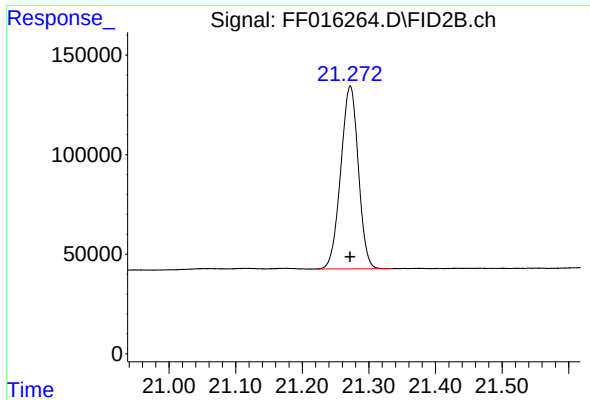
#19 n-Tetratriacontane (C34)

R.T.: 19.768 min
Delta R.T.: 0.000 min
Response: 2197004
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

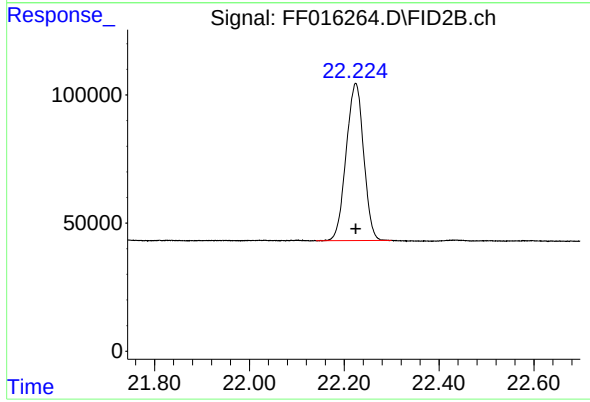
R.T.: 20.510 min
Delta R.T.: 0.000 min
Response: 1879057
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.272 min
Delta R.T.: 0.000 min
Response: 1681997
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.224 min
Delta R.T.: 0.000 min
Response: 1568751
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016264.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 15:27
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.335	3.277	3.421	BB	234956	2318851	80.81%	4.450%
2	4.596	4.537	4.689	BB	237507	2356788	82.14%	4.523%
3	6.305	6.272	6.412	BB	262545	2598020	90.54%	4.986%
4	6.772	6.737	6.849	BB	233183	2383688	83.07%	4.575%
5	7.405	7.361	7.531	BB	254733	2530683	88.20%	4.857%
6	8.606	8.567	8.691	BB	226031	2389512	83.28%	4.586%
7	10.215	10.191	10.296	BB	229558	2478275	86.37%	4.756%
8	11.662	11.631	11.724	BB	227739	2579721	89.91%	4.951%
9	11.980	11.919	12.052	BB	260704	2869348	100.00%	5.507%
10	12.974	12.934	13.037	BB	206599	2547803	88.79%	4.890%
11	13.419	13.391	13.471	BB	188067	2222782	77.47%	4.266%
12	13.587	13.547	13.641	BB	210164	2529440	88.15%	4.854%
13	14.174	14.112	14.237	BB	202813	2533057	88.28%	4.861%
14	15.280	15.211	15.339	BB	198161	2553492	88.99%	4.901%
15	16.304	16.271	16.364	BB	188386	2498960	87.09%	4.796%
16	17.256	17.201	17.297	BB	179980	2457404	85.64%	4.716%
17	18.146	18.084	18.201	BB	182672	2504891	87.30%	4.807%
18	18.982	18.941	19.062	BB	166500	2425892	84.55%	4.656%
19	19.768	19.721	19.831	BB	149171	2197004	76.57%	4.216%
20	20.510	20.461	20.547	BV	129514	1879057	65.49%	3.606%
21	21.272	21.221	21.334	BB	92000	1681997	58.62%	3.228%
22	22.224	22.141	22.300	BBA	61380	1568751	54.67%	3.011%
Sum of corrected areas:							52105414	

Aliphatic EPH 082825.M Fri Aug 29 04:23:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016265.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 15:56
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Aug 29 03:22:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 03:19:37 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)	11.978	1476393	10.291 ug/ml
Spiked Amount 50.000		Recovery =	20.58%
12) S 1-chlorooctadecane (S...	13.419	1132546	10.190 ug/ml
Spiked Amount 50.000		Recovery =	20.38%
Target Compounds			
1) T n-Nonane (C9)	3.334	1182101	10.196 ug/ml
2) T n-Decane (C10)	4.595	1203387	10.212 ug/ml
3) T A~Naphthalene (C11.7)	6.305	1331210	10.248 ug/ml
4) T n-Dodecane (C12)	6.772	1218300	10.222 ug/ml
5) T A~2-methylnaphthalene...	7.405	1291875	10.210 ug/ml
6) T n-Tetradecane (C14)	8.606	1221539	10.224 ug/ml
7) T n-Hexadecane (C16)	10.215	1263745	10.199 ug/ml
8) T n-Octadecane (C18)	11.661	1314285	10.189 ug/ml
10) T n-Eicosane (C20)	12.973	1302490	10.224 ug/ml
11) T n-Heneicosane (C21)	13.586	1292641	10.221 ug/ml
13) T n-Docosane (C22)	14.173	1292166	10.202 ug/ml
14) T n-Tetracosane (C24)	15.279	1303375	10.209 ug/ml
15) T n-Hexacosane (C26)	16.303	1277357	10.223 ug/ml
16) T n-Octacosane (C28)	17.255	1257908	10.238 ug/ml
17) T n-Tricontane (C30)	18.145	1296429	10.351 ug/ml
18) T n-Dotriacontane (C32)	18.980	1268227	10.456 ug/ml
19) T n-Tetratriacontane (C34)	19.767	1147980	10.450 ug/ml
20) T n-Hexatriacontane (C36)	20.509	973359	10.360 ug/ml
21) T n-Octatriacontane (C38)	21.269	871847	10.367 ug/ml
22) T n-Tetracontane (C40)	22.222	810646	10.335 ug/ml

(f)=RT Delta > 1/2 Window

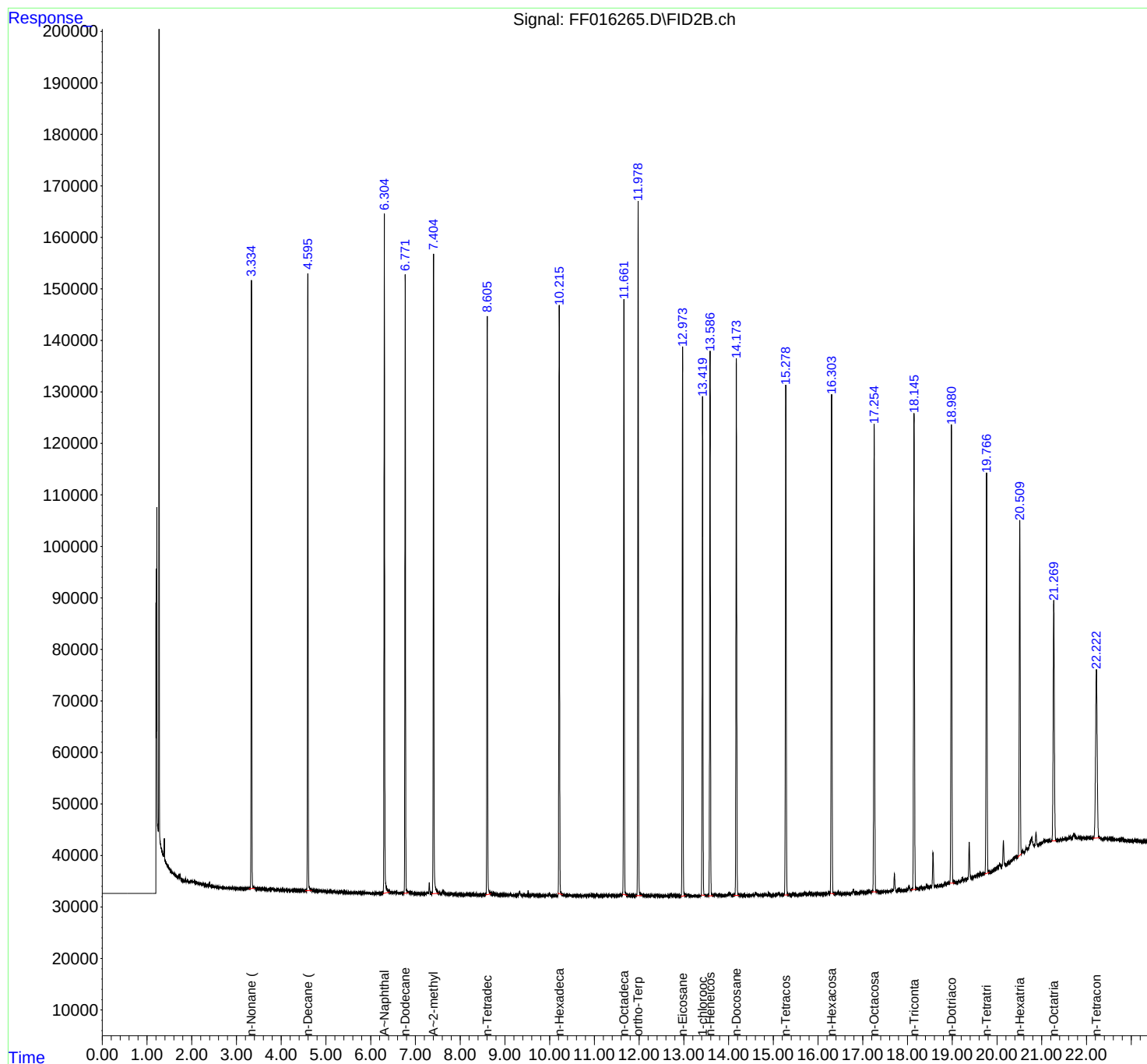
(m)=manual int.

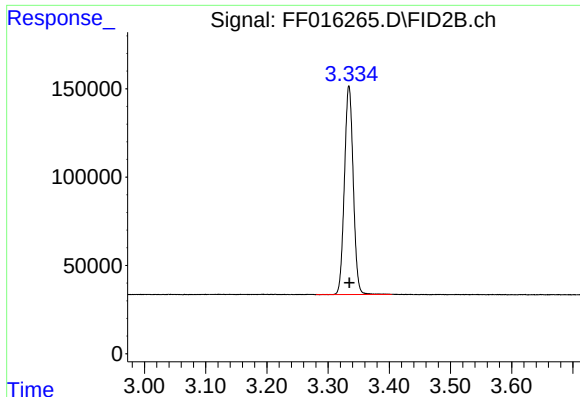
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
Data File : FF016265.D
Signal(s) : FID2B.ch
Acq On : 28 Aug 2025 15:56
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 29 03:22:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 03:19:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

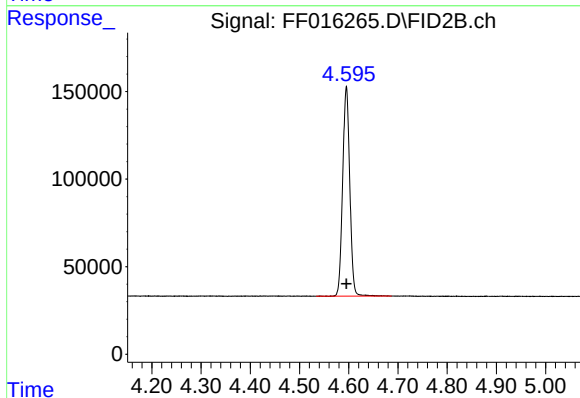




#1 n-Nonane (C9)

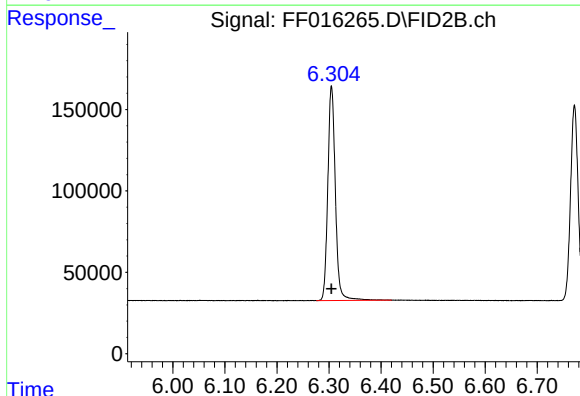
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 1182101
Conc: 10.20 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



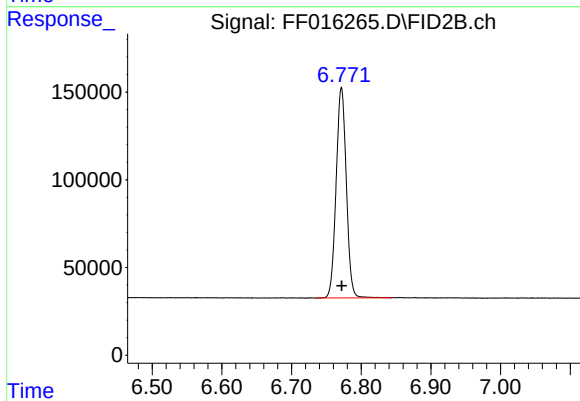
#2 n-Decane (C10)

R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 1203387
Conc: 10.21 ug/ml



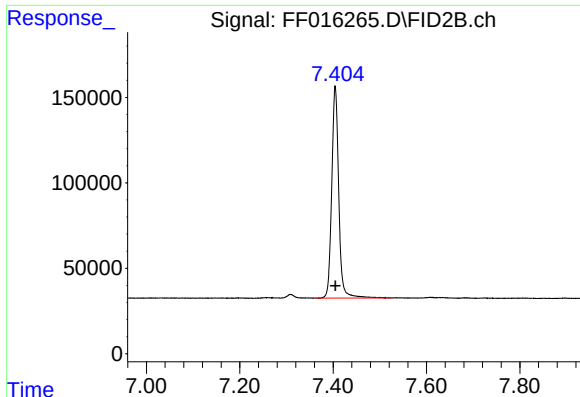
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 1331210
Conc: 10.25 ug/ml



#4 n-Dodecane (C12)

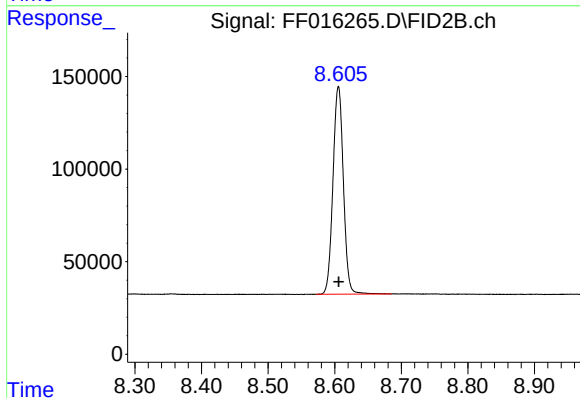
R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 1218300
Conc: 10.22 ug/ml



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

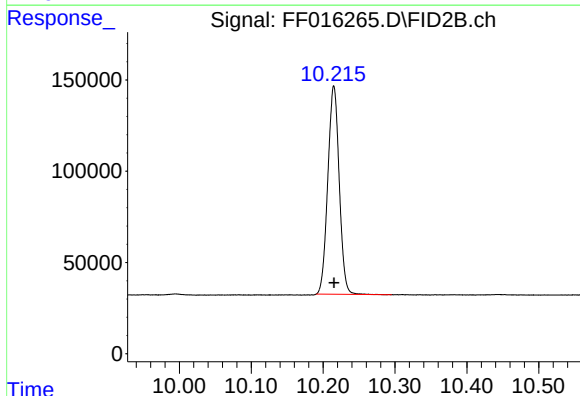
R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 1291875
Conc: 10.21 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



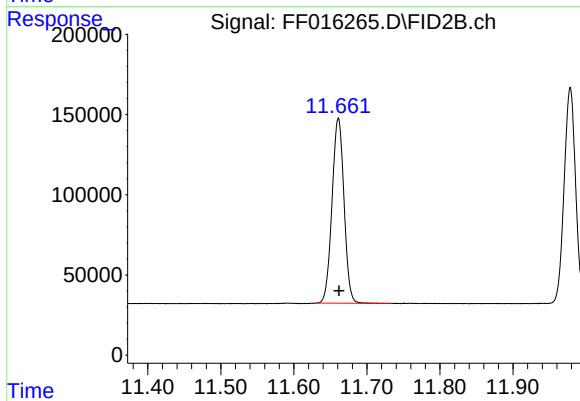
#6 n-Tetradecane (C14)

R.T.: 8.606 min
Delta R.T.: 0.000 min
Response: 1221539
Conc: 10.22 ug/ml



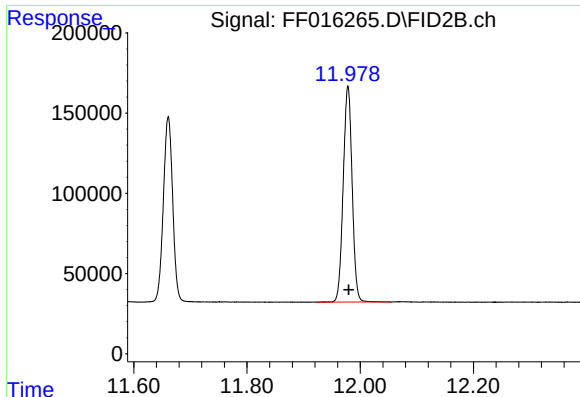
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 1263745
Conc: 10.20 ug/ml



#8 n-Octadecane (C18)

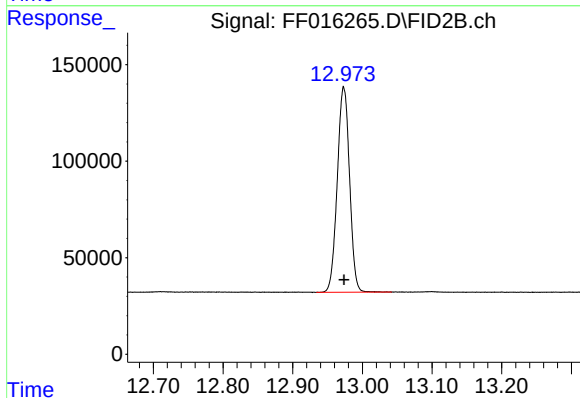
R.T.: 11.661 min
Delta R.T.: 0.000 min
Response: 1314285
Conc: 10.19 ug/ml



#9 ortho-Terphenyl (SURR)

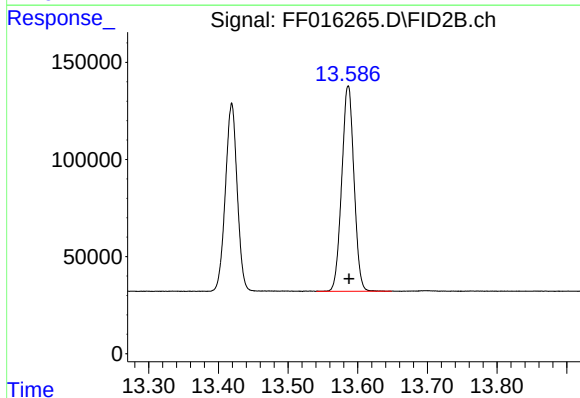
R.T.: 11.978 min
Delta R.T.: -0.001 min
Response: 1476393
Conc: 10.29 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



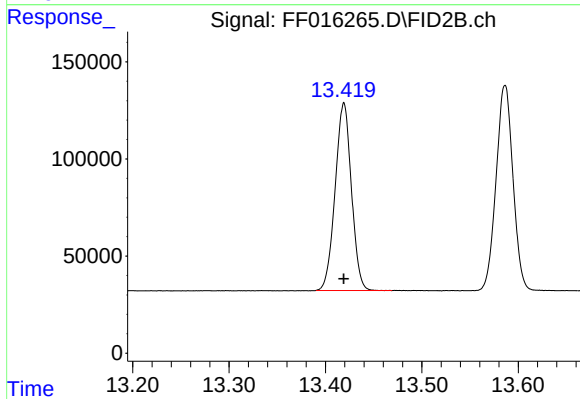
#10 n-Eicosane (C20)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 1302490
Conc: 10.22 ug/ml



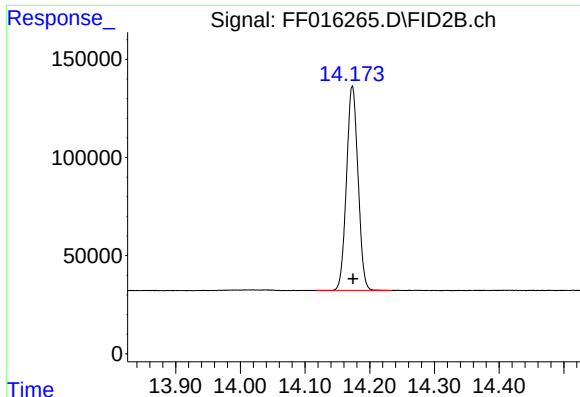
#11 n-Heneicosane (C21)

R.T.: 13.586 min
Delta R.T.: -0.001 min
Response: 1292641
Conc: 10.22 ug/ml



#12 1-chlorooctadecane (SURR)

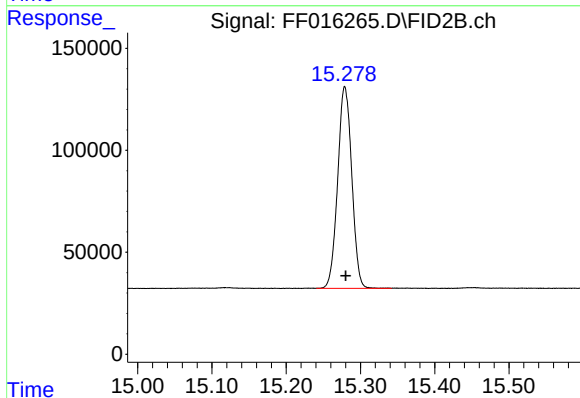
R.T.: 13.419 min
Delta R.T.: 0.000 min
Response: 1132546
Conc: 10.19 ug/ml



#13 n-Docosane (C22)

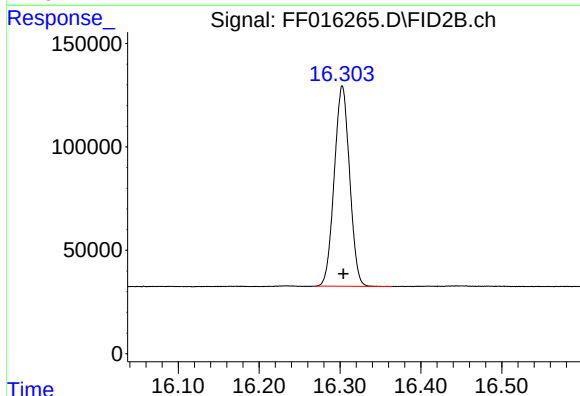
R.T.: 14.173 min
Delta R.T.: -0.001 min
Response: 1292166
Conc: 10.20 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



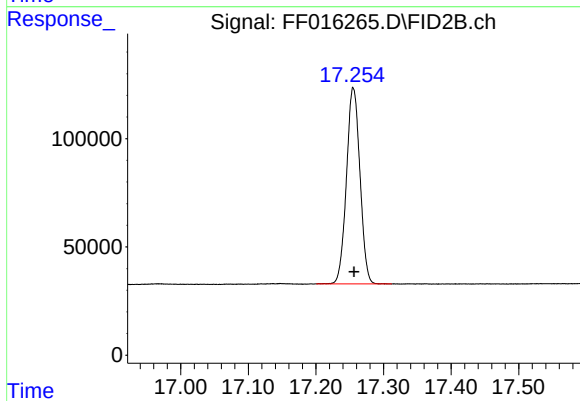
#14 n-Tetracosane (C24)

R.T.: 15.279 min
Delta R.T.: -0.001 min
Response: 1303375
Conc: 10.21 ug/ml



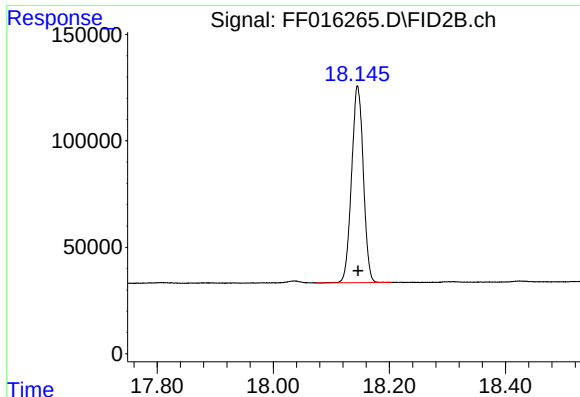
#15 n-Hexacosane (C26)

R.T.: 16.303 min
Delta R.T.: -0.001 min
Response: 1277357
Conc: 10.22 ug/ml



#16 n-Octacosane (C28)

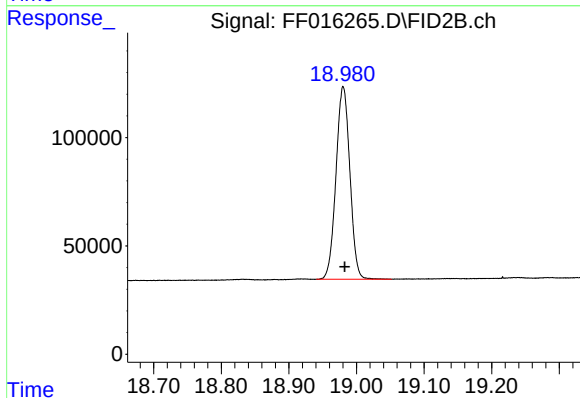
R.T.: 17.255 min
Delta R.T.: -0.001 min
Response: 1257908
Conc: 10.24 ug/ml



#17 n-Tricontane (C30)

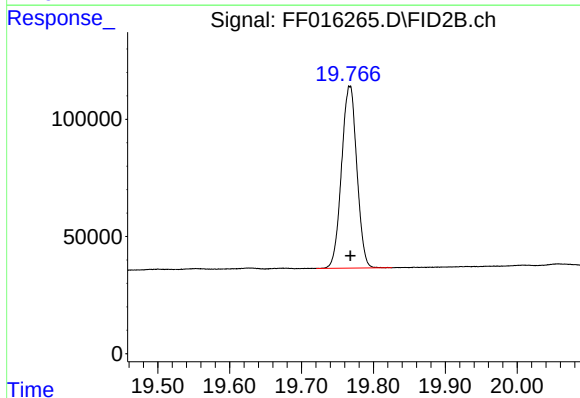
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 1296429
Conc: 10.35 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



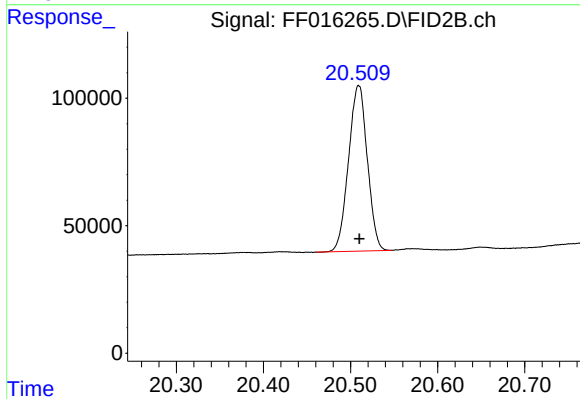
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: -0.002 min
Response: 1268227
Conc: 10.46 ug/ml



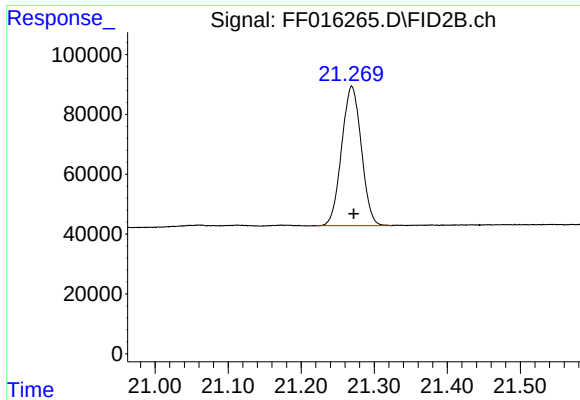
#19 n-Tetratriacontane (C34)

R.T.: 19.767 min
Delta R.T.: -0.001 min
Response: 1147980
Conc: 10.45 ug/ml



#20 n-Hexatriacontane (C36)

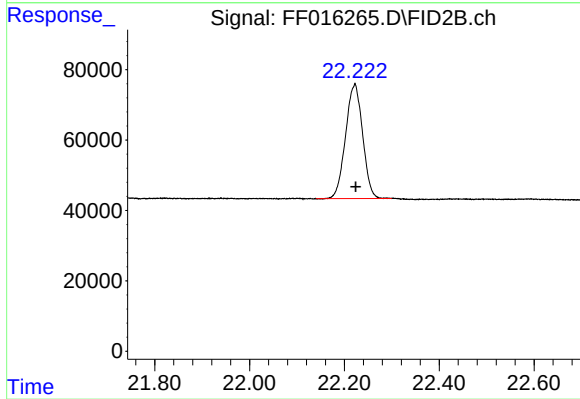
R.T.: 20.509 min
Delta R.T.: 0.000 min
Response: 973359
Conc: 10.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.269 min
Delta R.T.: -0.003 min
Response: 871847
Conc: 10.37 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.222 min
Delta R.T.: -0.002 min
Response: 810646
Conc: 10.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016265.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 15:56
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.334	3.280	3.404	BB	118220	1182101	80.07%	4.422%
2	4.595	4.534	4.687	BB	119784	1203387	81.51%	4.502%
3	6.305	6.275	6.420	BB	131385	1331210	90.17%	4.980%
4	6.772	6.735	6.844	BB	120065	1218300	82.52%	4.558%
5	7.405	7.364	7.525	BB	123611	1291875	87.50%	4.833%
6	8.606	8.572	8.685	BB	112310	1221539	82.74%	4.570%
7	10.215	10.190	10.295	BB	114328	1263745	85.60%	4.728%
8	11.661	11.630	11.734	BB	115215	1314285	89.02%	4.917%
9	11.978	11.922	12.055	BB	134927	1476393	100.00%	5.523%
10	12.973	12.934	13.042	BB	105989	1302490	88.22%	4.873%
11	13.419	13.390	13.469	BB	96562	1132546	76.71%	4.237%
12	13.586	13.540	13.649	BB	106090	1292641	87.55%	4.836%
13	14.173	14.117	14.234	BB	104220	1292166	87.52%	4.834%
14	15.279	15.240	15.342	BB	98882	1303375	88.28%	4.876%
15	16.303	16.270	16.364	BB	97070	1277357	86.52%	4.779%
16	17.255	17.200	17.312	BB	90458	1257908	85.20%	4.706%
17	18.145	18.074	18.204	BB	92244	1296429	87.81%	4.850%
18	18.980	18.940	19.052	BB	88959	1268227	85.90%	4.745%
19	19.767	19.720	19.825	BB	77446	1147980	77.76%	4.295%
20	20.509	20.460	20.547	BV	65099	973359	65.93%	3.641%
21	21.269	21.220	21.324	BB	46631	871847	59.05%	3.262%
22	22.222	22.140	22.300	BBA	32665	810646	54.91%	3.033%
Sum of corrected areas:							26729805	

Aliphatic EPH 082825.M Fri Aug 29 04:26:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016266.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 16:26
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Aug 29 03:23:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 03:19:37 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)	11.977	774930	5.401 ug/ml
Spiked Amount 50.000		Recovery =	10.80%
12) S 1-chlorooctadecane (S...	13.418	592312	5.329 ug/ml
Spiked Amount 50.000		Recovery =	10.66%
Target Compounds			
1) T n-Nonane (C9)	3.334	630346	5.437 ug/ml
2) T n-Decane (C10)	4.595	627169	5.322 ug/ml
3) T A~Naphthalene (C11.7)	6.305	686429	5.284 ug/ml
4) T n-Dodecane (C12)	6.771	635876	5.335 ug/ml
5) T A~2-methylnaphthalene...	7.405	668947	5.287 ug/ml
6) T n-Tetradecane (C14)	8.605	642396	5.377 ug/ml
7) T n-Hexadecane (C16)	10.215	663624	5.356 ug/ml
8) T n-Octadecane (C18)	11.660	689221	5.343 ug/ml
10) T n-Eicosane (C20)	12.973	684861	5.376 ug/ml
11) T n-Heneicosane (C21)	13.586	681307	5.387 ug/ml
13) T n-Docosane (C22)	14.173	677901	5.352 ug/ml
14) T n-Tetracosane (C24)	15.279	685708	5.371 ug/ml
15) T n-Hexacosane (C26)	16.303	664595	5.319 ug/ml
16) T n-Octacosane (C28)	17.255	657220	5.349 ug/ml
17) T n-Tricontane (C30)	18.145	680791	5.436 ug/ml
18) T n-Dotriacontane (C32)	18.980	677307	5.584 ug/ml
19) T n-Tetratriacontane (C34)	19.766	605465	5.512 ug/ml
20) T n-Hexatriacontane (C36)	20.508	509644	5.424 ug/ml
21) T n-Octatriacontane (C38)	21.269	456870	5.432 ug/ml
22) T n-Tetracontane (C40)	22.221	416549	5.311 ug/ml

(f)=RT Delta > 1/2 Window

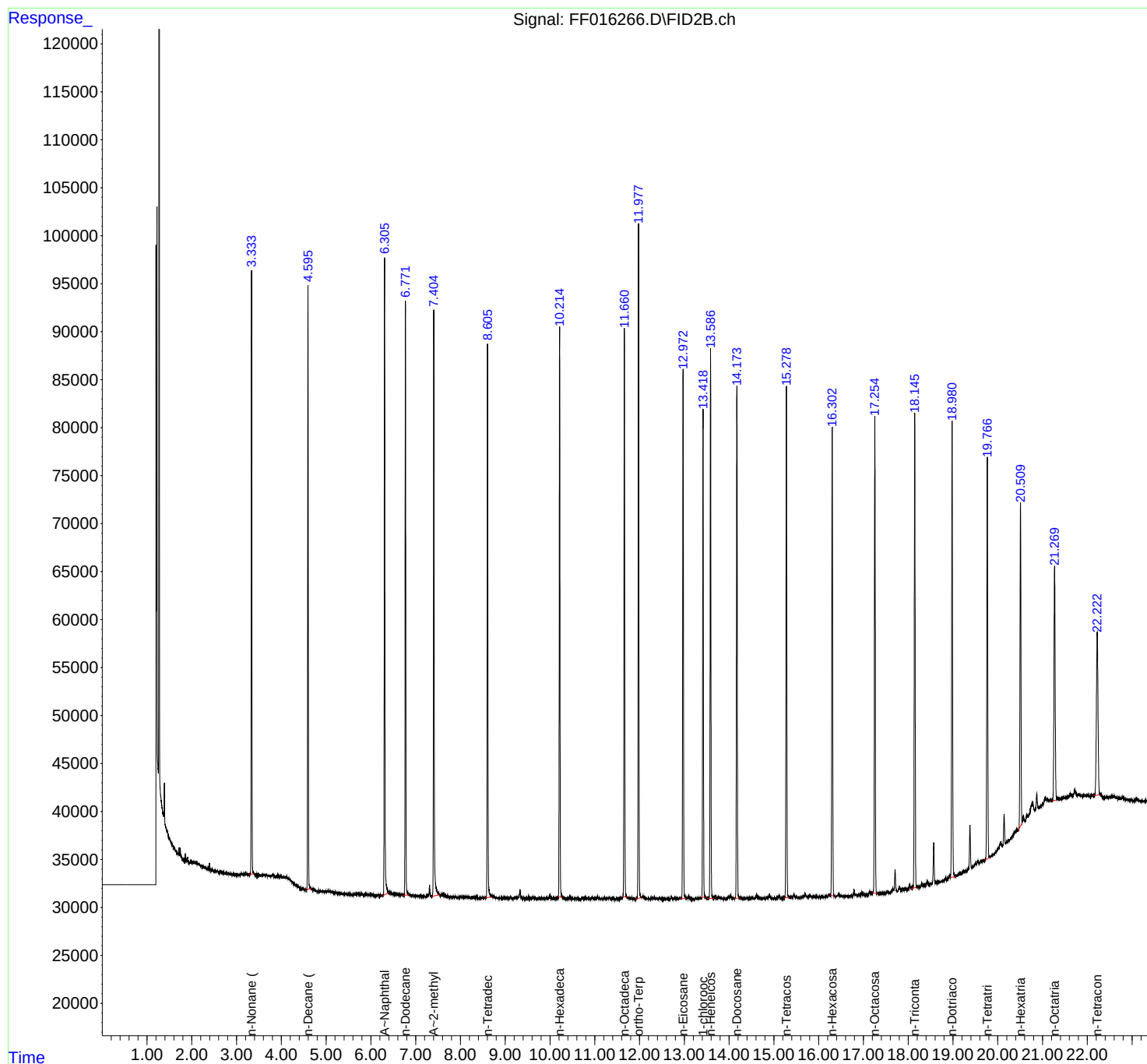
(m)=manual int.

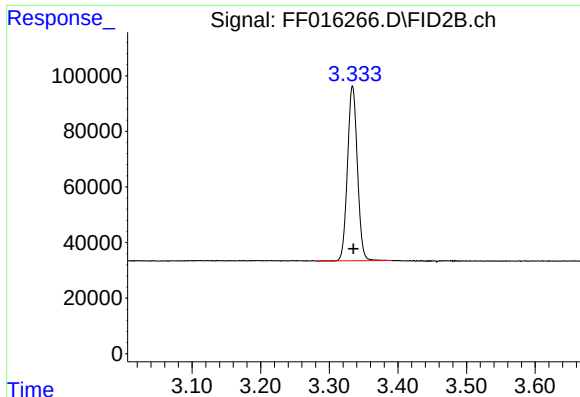
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
Data File : FF016266.D
Signal(s) : FID2B.ch
Acq On : 28 Aug 2025 16:26
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 29 03:23:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 03:19:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

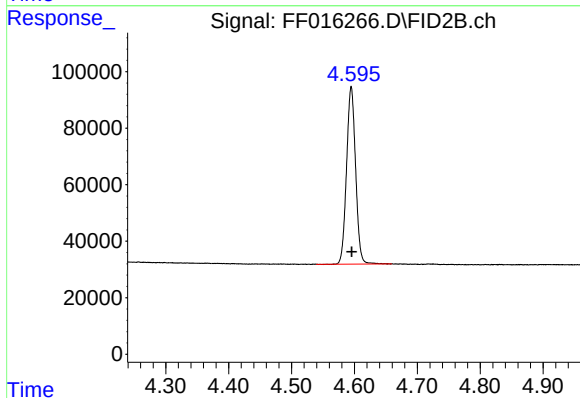




#1 n-Nonane (C9)

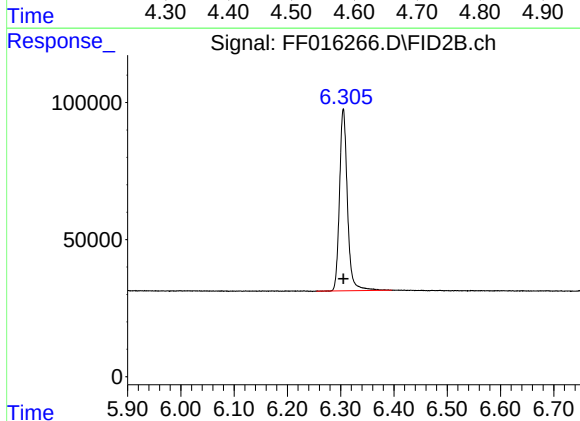
R.T.: 3.334 min
Delta R.T.: -0.001 min
Response: 630346
Conc: 5.44 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



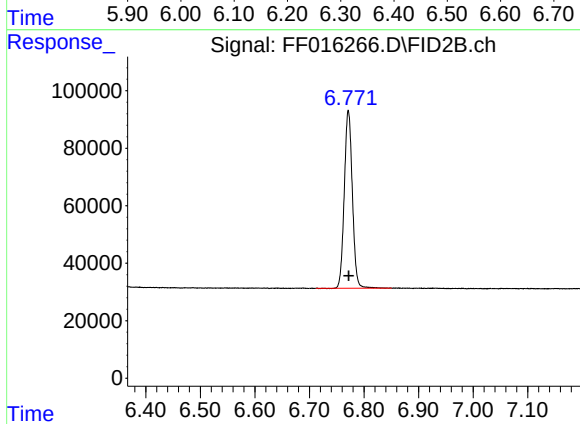
#2 n-Decane (C10)

R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 627169
Conc: 5.32 ug/ml



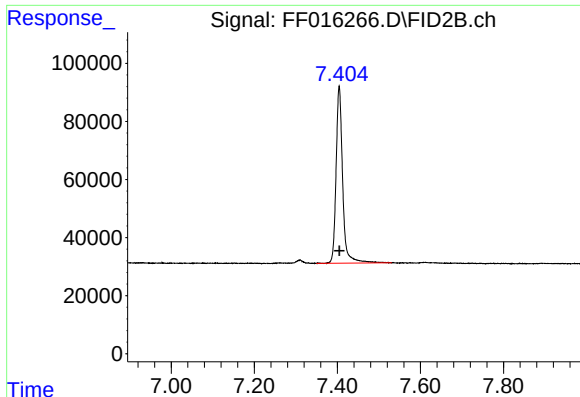
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 686429
Conc: 5.28 ug/ml



#4 n-Dodecane (C12)

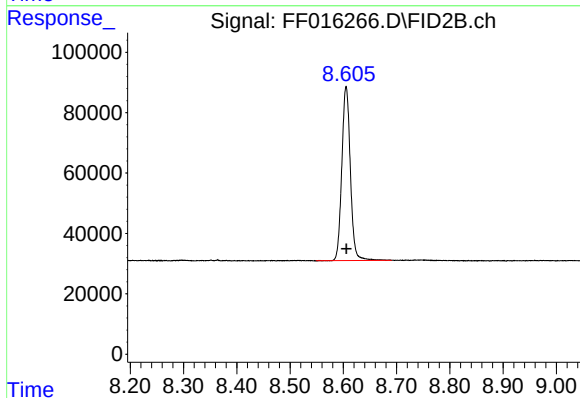
R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 635876
Conc: 5.34 ug/ml



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

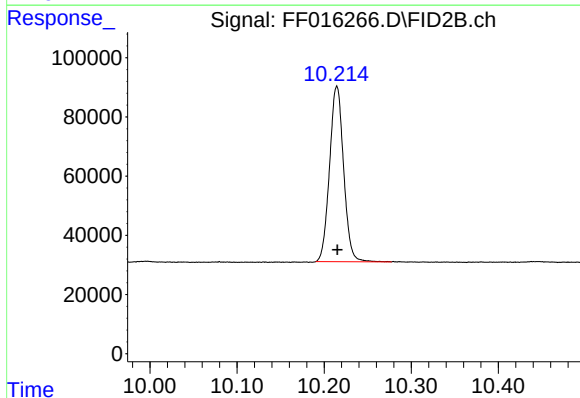
R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 668947
Conc: 5.29 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



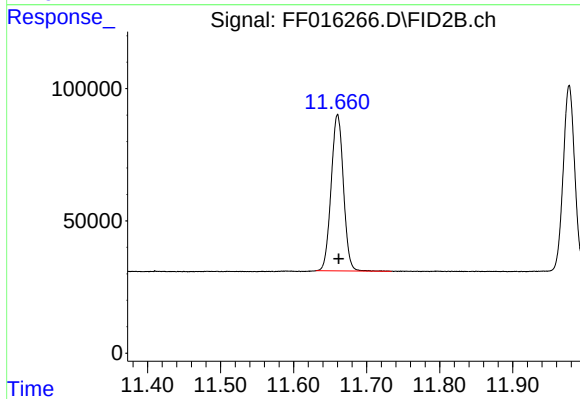
#6 n-Tetradecane (C14)

R.T.: 8.605 min
Delta R.T.: 0.000 min
Response: 642396
Conc: 5.38 ug/ml



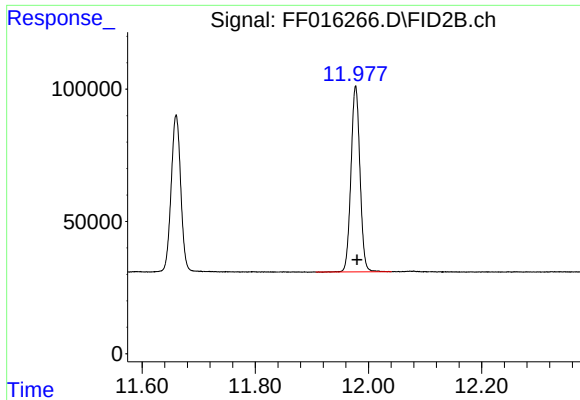
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 663624
Conc: 5.36 ug/ml



#8 n-Octadecane (C18)

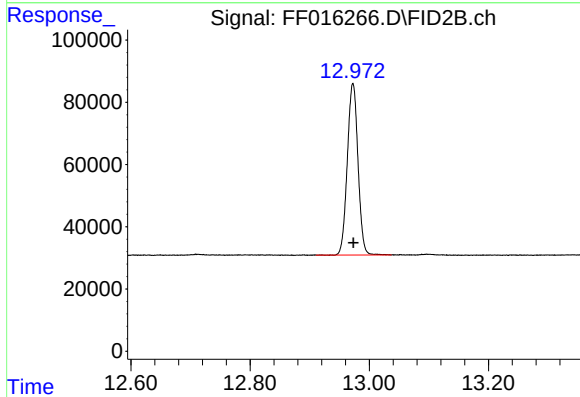
R.T.: 11.660 min
Delta R.T.: -0.002 min
Response: 689221
Conc: 5.34 ug/ml



#9 ortho-Terphenyl (SURR)

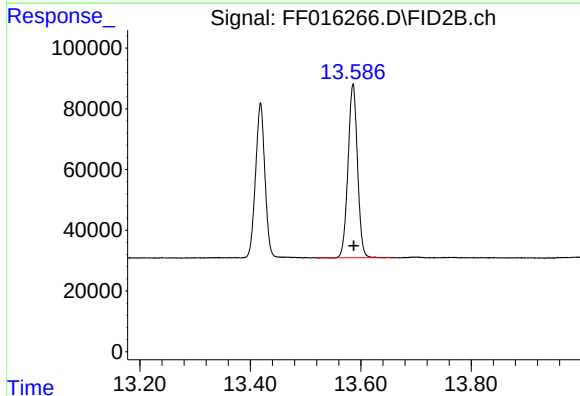
R.T.: 11.977 min
Delta R.T.: -0.002 min
Response: 774930
Conc: 5.40 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



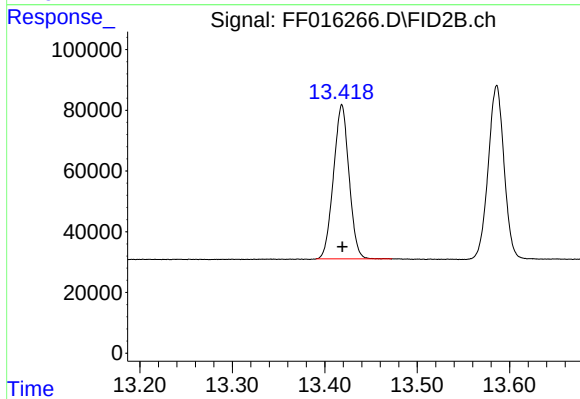
#10 n-Eicosane (C20)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 684861
Conc: 5.38 ug/ml



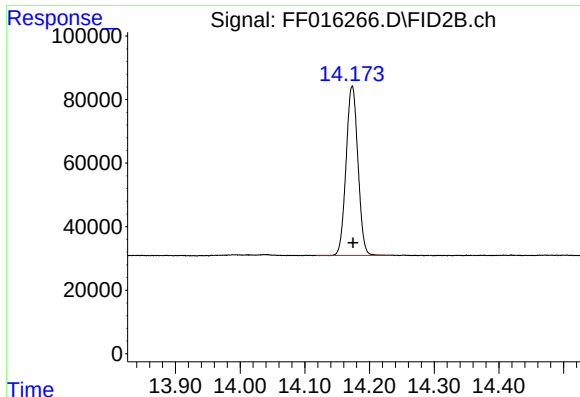
#11 n-Heneicosane (C21)

R.T.: 13.586 min
Delta R.T.: -0.002 min
Response: 681307
Conc: 5.39 ug/ml



#12 1-chlorooctadecane (SURR)

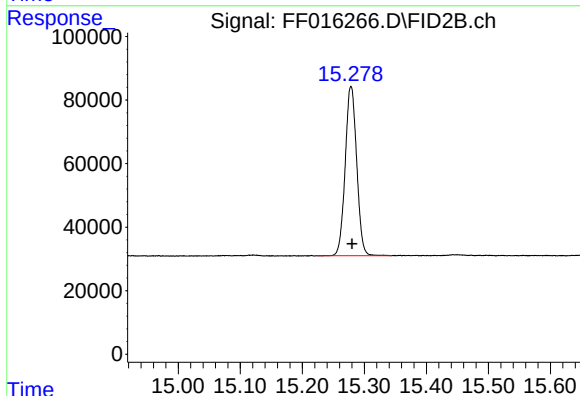
R.T.: 13.418 min
Delta R.T.: 0.000 min
Response: 592312
Conc: 5.33 ug/ml



#13 n-Docosane (C22)

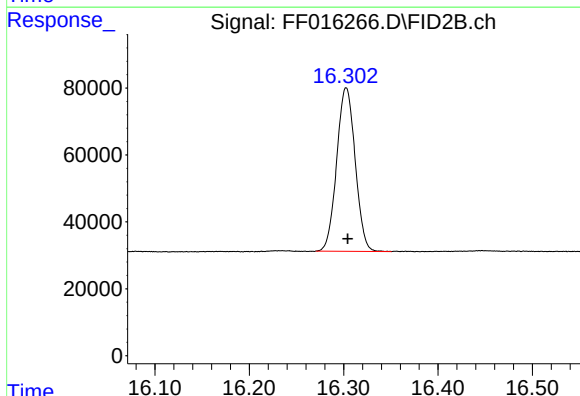
R.T.: 14.173 min
Delta R.T.: -0.001 min
Response: 677901
Conc: 5.35 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



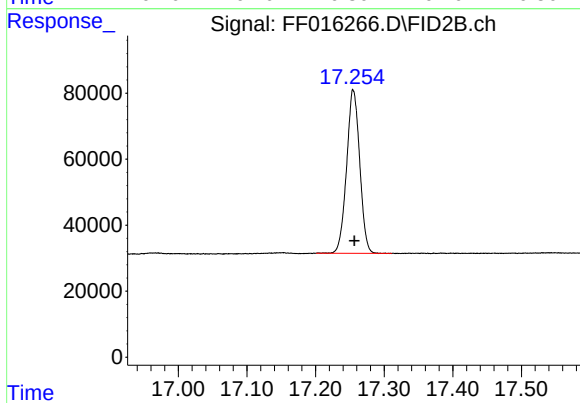
#14 n-Tetracosane (C24)

R.T.: 15.279 min
Delta R.T.: -0.002 min
Response: 685708
Conc: 5.37 ug/ml



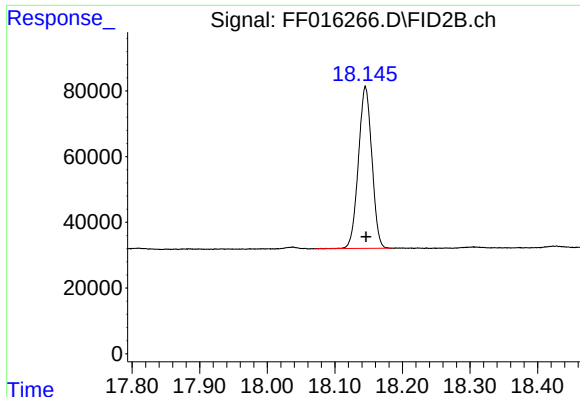
#15 n-Hexacosane (C26)

R.T.: 16.303 min
Delta R.T.: -0.001 min
Response: 664595
Conc: 5.32 ug/ml



#16 n-Octacosane (C28)

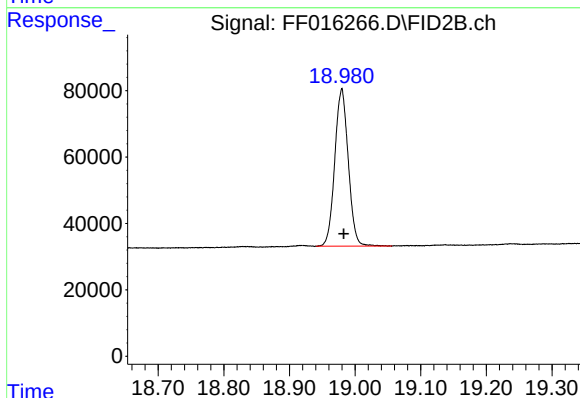
R.T.: 17.255 min
Delta R.T.: -0.001 min
Response: 657220
Conc: 5.35 ug/ml



#17 n-Tricontane (C30)

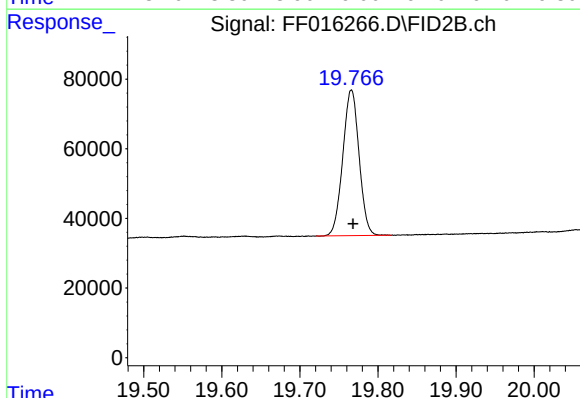
R.T.: 18.145 min
Delta R.T.: -0.001 min
Response: 680791
Conc: 5.44 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



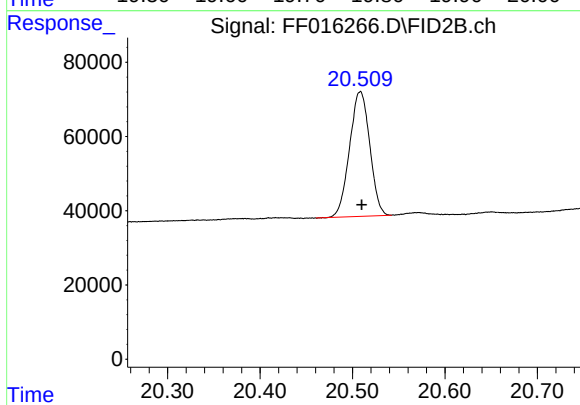
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: -0.003 min
Response: 677307
Conc: 5.58 ug/ml



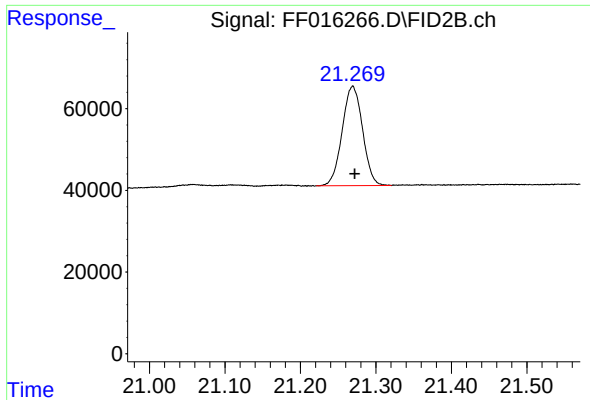
#19 n-Tetratriacontane (C34)

R.T.: 19.766 min
Delta R.T.: -0.002 min
Response: 605465
Conc: 5.51 ug/ml



#20 n-Hexatriacontane (C36)

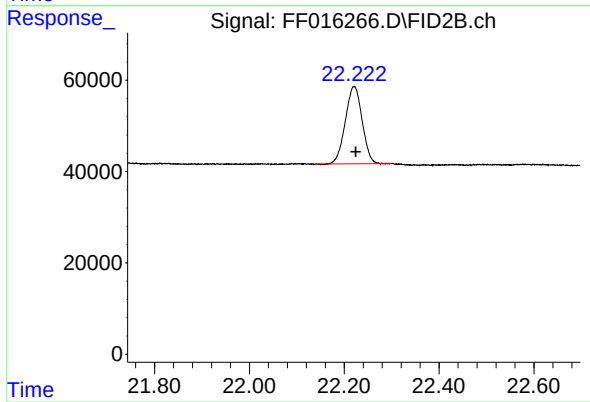
R.T.: 20.508 min
Delta R.T.: -0.002 min
Response: 509644
Conc: 5.42 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.269 min
Delta R.T.: -0.003 min
Response: 456870
Conc: 5.43 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.221 min
Delta R.T.: -0.003 min
Response: 416549
Conc: 5.31 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016266.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 16:26
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.334	3.281	3.391	BB	62830	630346	81.34%	4.499%
2	4.595	4.539	4.659	BB	62920	627169	80.93%	4.477%
3	6.305	6.254	6.396	BB	66396	686429	88.58%	4.900%
4	6.771	6.712	6.851	BB	61941	635876	82.06%	4.539%
5	7.405	7.349	7.531	BB	60948	668947	86.32%	4.775%
6	8.605	8.549	8.691	BB	57701	642396	82.90%	4.585%
7	10.215	10.191	10.277	BB	59190	663624	85.64%	4.737%
8	11.660	11.631	11.734	BB	59242	689221	88.94%	4.920%
9	11.977	11.907	12.041	BB	70347	774930	100.00%	5.531%
10	12.973	12.911	13.037	BB	55185	684861	88.38%	4.889%
11	13.418	13.391	13.472	BB	50973	592312	76.43%	4.228%
12	13.586	13.519	13.656	BB	57235	681307	87.92%	4.863%
13	14.173	14.117	14.234	BB	53226	677901	87.48%	4.839%
14	15.279	15.222	15.344	BB	53315	685708	88.49%	4.895%
15	16.303	16.271	16.351	BB	48906	664595	85.76%	4.744%
16	17.255	17.201	17.311	BB	49191	657220	84.81%	4.691%
17	18.145	18.072	18.184	BB	49250	680791	87.85%	4.860%
18	18.980	18.941	19.056	BB	47317	677307	87.40%	4.835%
19	19.766	19.721	19.817	BB	41819	605465	78.13%	4.322%
20	20.508	20.461	20.542	BV	33744	509644	65.77%	3.638%
21	21.269	21.221	21.321	BB	24388	456870	58.96%	3.261%
22	22.221	22.141	22.300	BBA	16899	416549	53.75%	2.973%
Sum of corrected areas:							14009467	

Aliphatic EPH 082825.M Fri Aug 29 04:26:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
 Data File : FF016267.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 17:25
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Aug 29 04:16:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 03:35:42 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)	11.979	2792550	19.308 ug/ml
Spiked Amount 50.000		Recovery =	38.62%
12) S 1-chlorooctadecane (S...	13.420	2145872	19.238 ug/ml
Spiked Amount 50.000		Recovery =	38.48%
Target Compounds			
1) T n-Nonane (C9)	3.334	2282664	19.524 ug/ml
2) T n-Decane (C10)	4.595	2320922	19.594 ug/ml
3) T A~Naphthalene (C11.7)	6.305	2560320	19.604 ug/ml
4) T n-Dodecane (C12)	6.772	2348512	19.566 ug/ml
5) T A~2-methylnaphthalene...	7.405	2491661	19.570 ug/ml
6) T n-Tetradecane (C14)	8.605	2349131	19.495 ug/ml
7) T n-Hexadecane (C16)	10.215	2414759	19.336 ug/ml
8) T n-Octadecane (C18)	11.661	2506433	19.350 ug/ml
10) T n-Eicosane (C20)	12.973	2467275	19.295 ug/ml
11) T n-Heneicosane (C21)	13.587	2444941	19.257 ug/ml
13) T n-Docosane (C22)	14.175	2444317	19.252 ug/ml
14) T n-Tetracosane (C24)	15.280	2463082	19.255 ug/ml
15) T n-Hexacosane (C26)	16.305	2418460	19.347 ug/ml
16) T n-Octacosane (C28)	17.257	2380518	19.429 ug/ml
17) T n-Tricontane (C30)	18.146	2443784	19.622 ug/ml
18) T n-Dotriacontane (C32)	18.983	2376371	19.716 ug/ml
19) T n-Tetratriacontane (C34)	19.768	2164324	19.847 ug/ml
20) T n-Hexatriacontane (C36)	20.510	1857344	19.900 ug/ml
21) T n-Octatriacontane (C38)	21.270	1673256	19.896 ug/ml
22) T n-Tetracontane (C40)	22.222	1565379	19.939 ug/ml

(f)=RT Delta > 1/2 Window

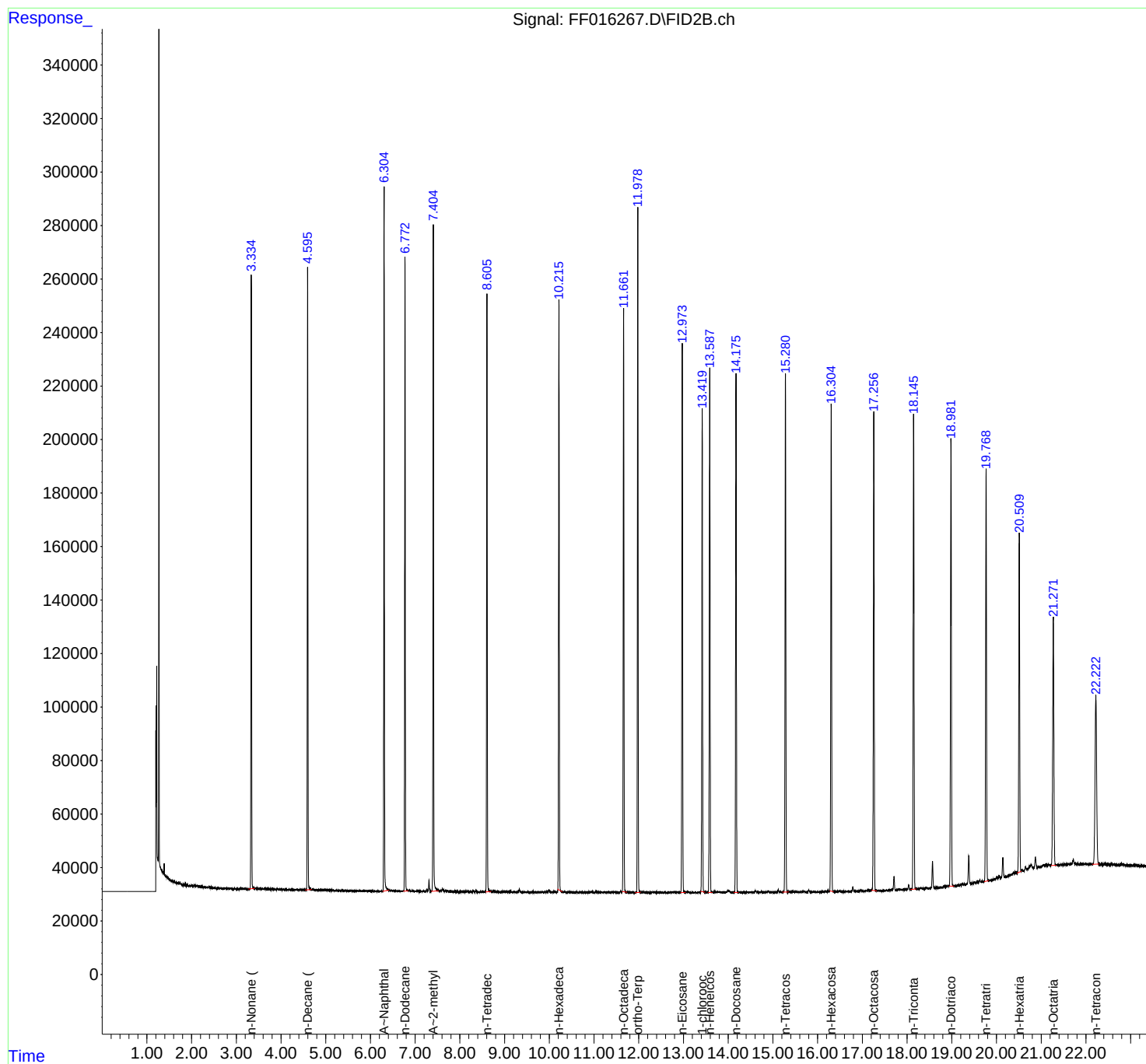
(m)=manual int.

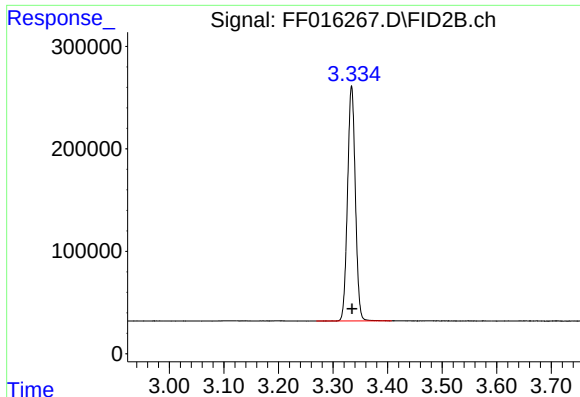
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
Data File : FF016267.D
Signal(s) : FID2B.ch
Acq On : 28 Aug 2025 17:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 29 04:16:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 03:35:42 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)

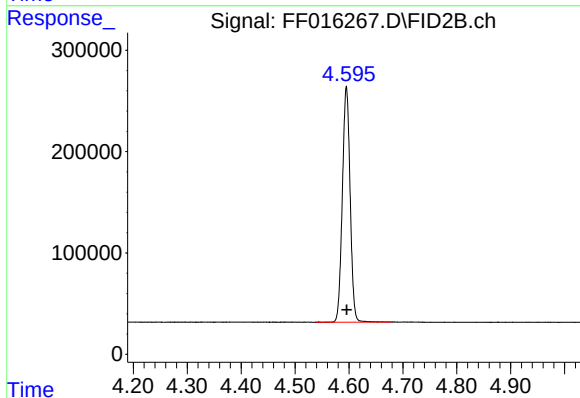
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 2282664
Conc: 19.52 ug/ml

Instrument :

FID_F

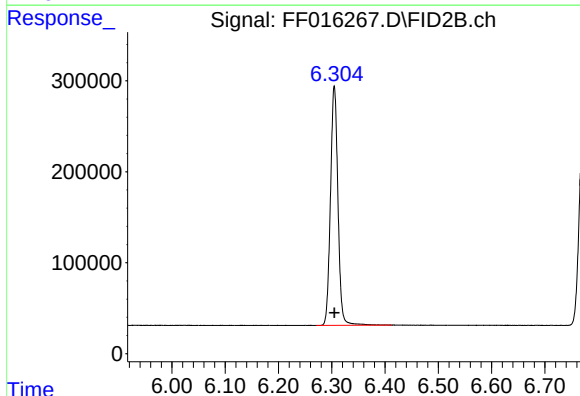
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



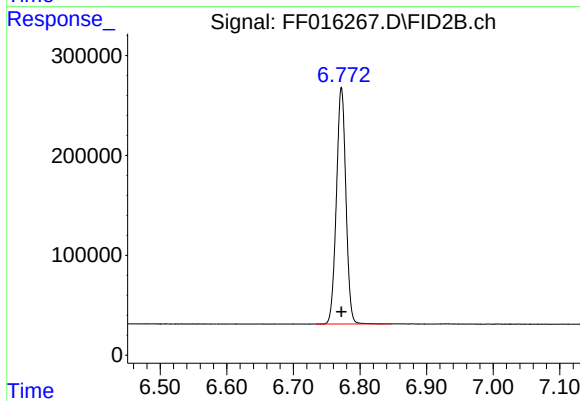
#2 n-Decane (C10)

R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 2320922
Conc: 19.59 ug/ml



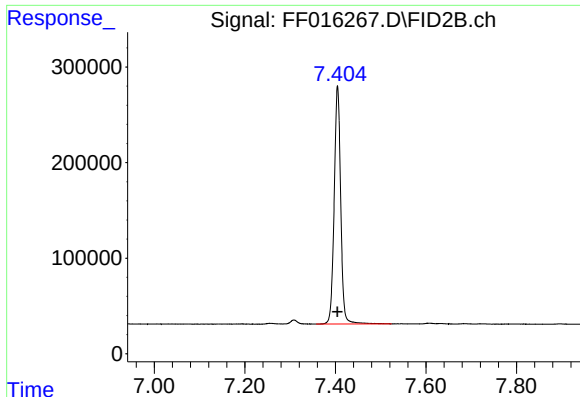
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 2560320
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2348512
Conc: 19.57 ug/ml



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

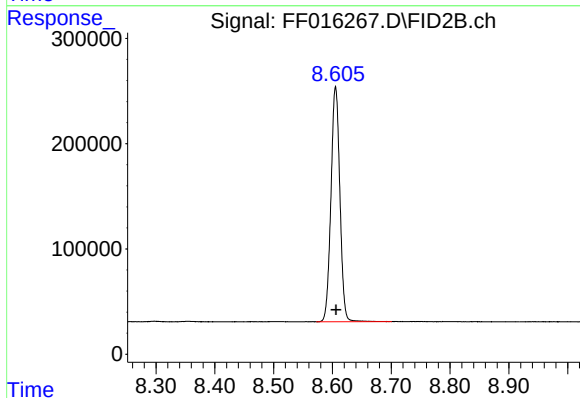
R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 2491661
Conc: 19.57 ug/ml

Instrument :

FID_F

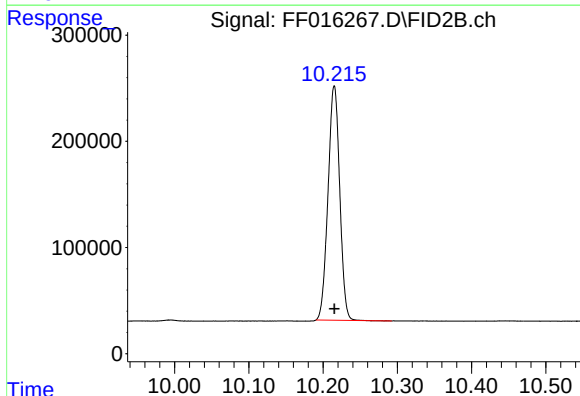
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



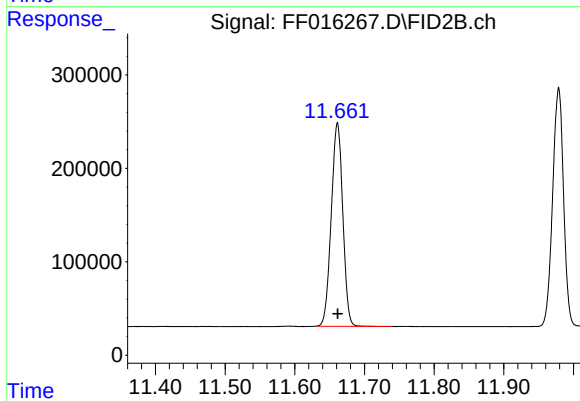
#6 n-Tetradecane (C14)

R.T.: 8.605 min
Delta R.T.: 0.000 min
Response: 2349131
Conc: 19.49 ug/ml



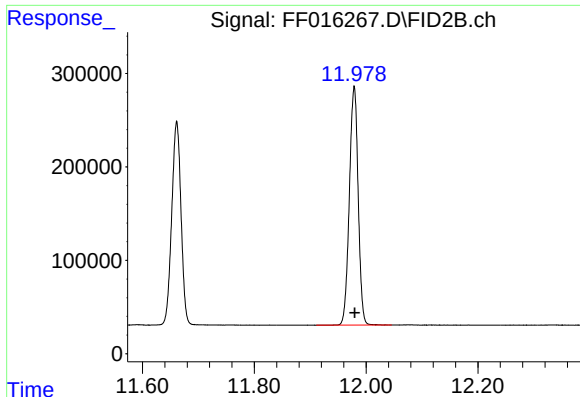
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 2414759
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.661 min
Delta R.T.: 0.000 min
Response: 2506433
Conc: 19.35 ug/ml



#9 ortho-Terphenyl (SURR)

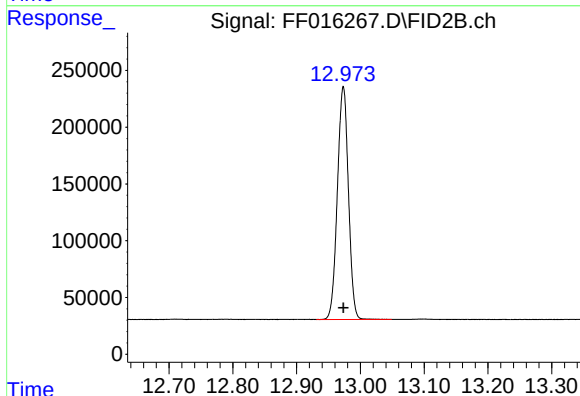
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 2792550
Conc: 19.31 ug/ml

Instrument :

FID_F

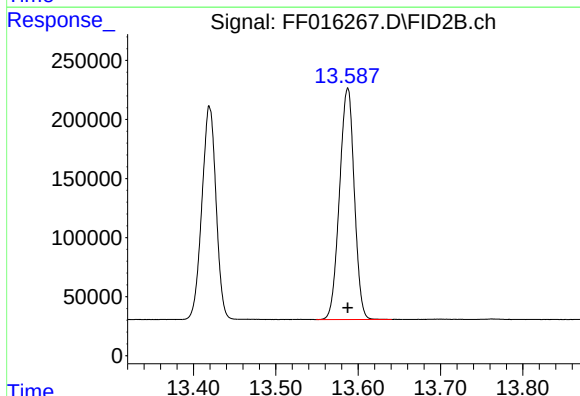
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



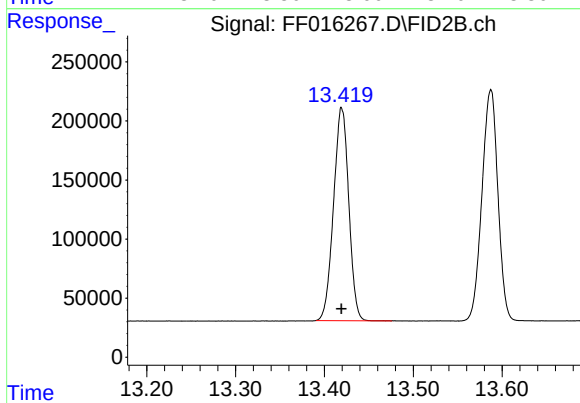
#10 n-Eicosane (C20)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 2467275
Conc: 19.30 ug/ml



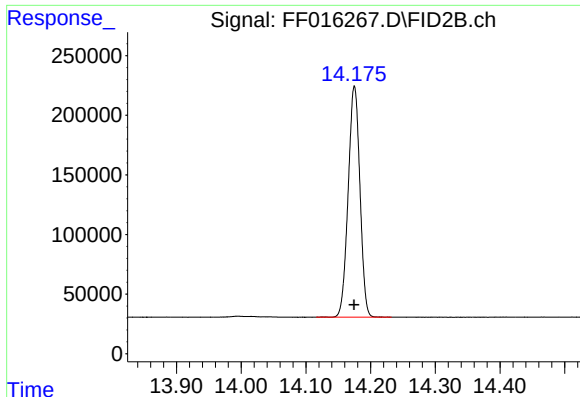
#11 n-Heneicosane (C21)

R.T.: 13.587 min
Delta R.T.: 0.000 min
Response: 2444941
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

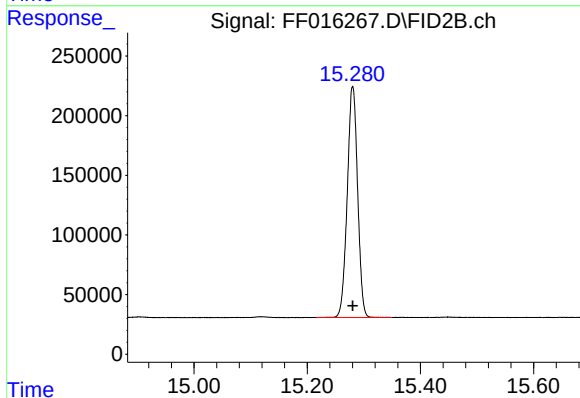
R.T.: 13.420 min
Delta R.T.: 0.000 min
Response: 2145872
Conc: 19.24 ug/ml



#13 n-Docosane (C22)

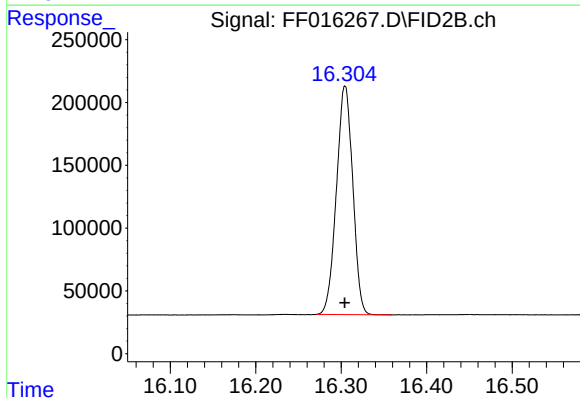
R.T.: 14.175 min
Delta R.T.: 0.000 min
Response: 2444317
Conc: 19.25 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



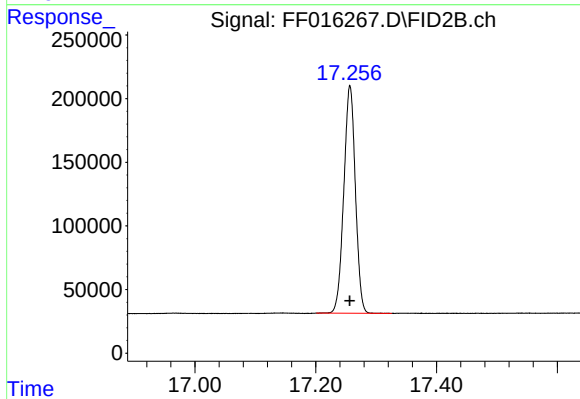
#14 n-Tetracosane (C24)

R.T.: 15.280 min
Delta R.T.: 0.000 min
Response: 2463082
Conc: 19.26 ug/ml



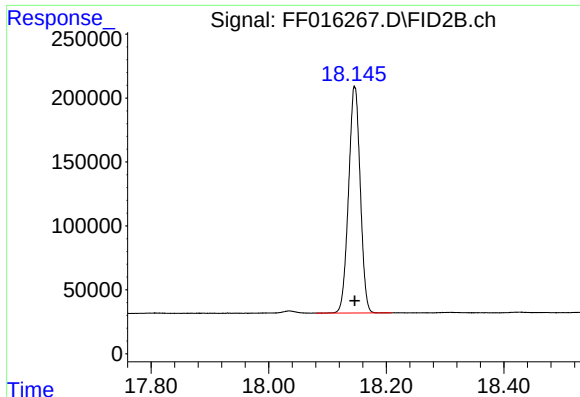
#15 n-Hexacosane (C26)

R.T.: 16.305 min
Delta R.T.: 0.000 min
Response: 2418460
Conc: 19.35 ug/ml



#16 n-Octacosane (C28)

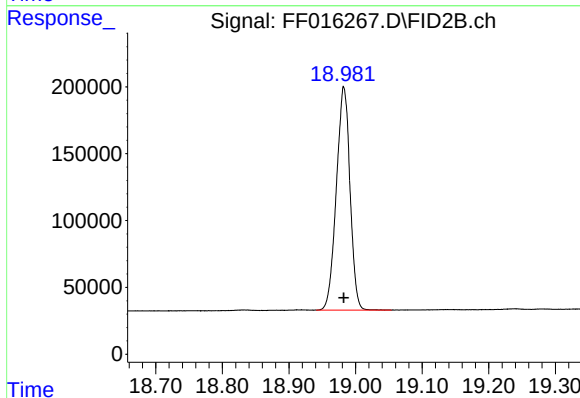
R.T.: 17.257 min
Delta R.T.: 0.000 min
Response: 2380518
Conc: 19.43 ug/ml



#17 n-Tricontane (C30)

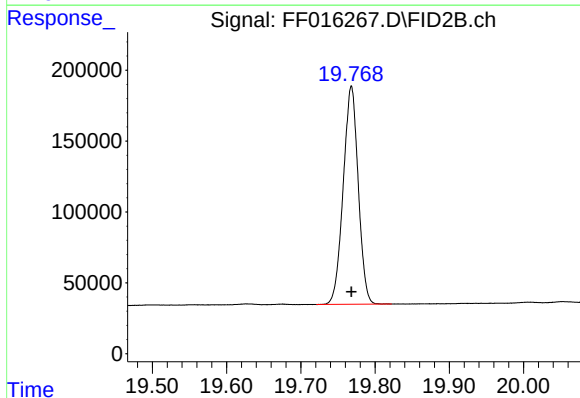
R.T.: 18.146 min
Delta R.T.: 0.000 min
Response: 2443784
Conc: 19.62 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



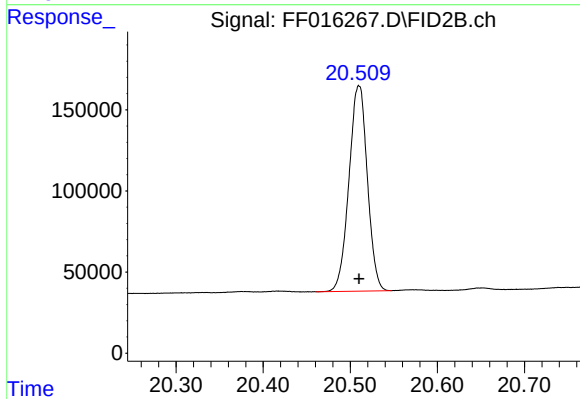
#18 n-Dotriacontane (C32)

R.T.: 18.983 min
Delta R.T.: 0.000 min
Response: 2376371
Conc: 19.72 ug/ml



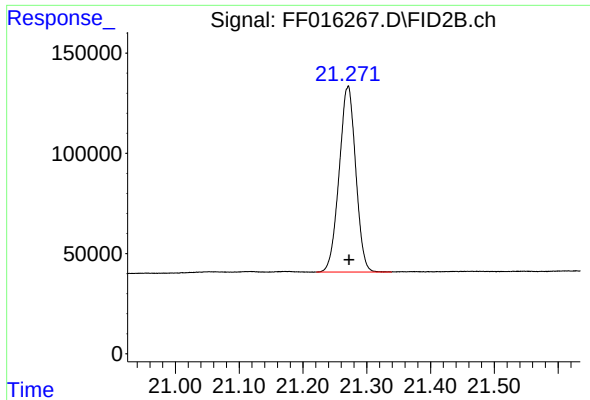
#19 n-Tetratriacontane (C34)

R.T.: 19.768 min
Delta R.T.: 0.000 min
Response: 2164324
Conc: 19.85 ug/ml



#20 n-Hexatriacontane (C36)

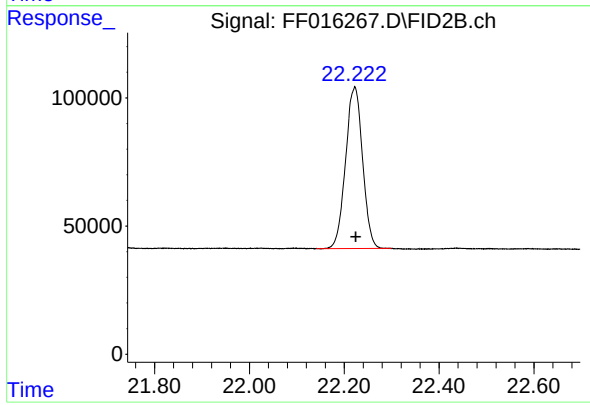
R.T.: 20.510 min
Delta R.T.: 0.000 min
Response: 1857344
Conc: 19.90 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.270 min
Delta R.T.: -0.002 min
Response: 1673256
Conc: 19.90 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.222 min
Delta R.T.: -0.002 min
Response: 1565379
Conc: 19.94 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082825AL\
Data File : FF016267.D
Signal(s) : FID2B.ch
Acq On : 28 Aug 2025 17:25
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.334	3.269	3.407	BB	229416	2282664	81.74%	4.484%
2	4.595	4.539	4.679	BB	232392	2320922	83.11%	4.559%
3	6.305	6.271	6.412	BB	263560	2560320	91.68%	5.029%
4	6.772	6.734	6.847	BB	236679	2348512	84.10%	4.613%
5	7.405	7.357	7.524	BB	249277	2491661	89.23%	4.894%
6	8.605	8.572	8.701	BB	223145	2349131	84.12%	4.614%
7	10.215	10.191	10.292	BB	221160	2414759	86.47%	4.743%
8	11.661	11.631	11.739	BB	217457	2506433	89.75%	4.923%
9	11.979	11.911	12.046	BB	256639	2792550	100.00%	5.485%
10	12.973	12.931	13.049	BB	205135	2467275	88.35%	4.846%
11	13.420	13.391	13.476	BB	180588	2145872	76.84%	4.215%
12	13.587	13.549	13.641	BB	196155	2444941	87.55%	4.802%
13	14.175	14.116	14.232	BB	193834	2444317	87.53%	4.801%
14	15.280	15.216	15.349	BB	193694	2463082	88.20%	4.838%
15	16.305	16.271	16.359	BB	182275	2418460	86.60%	4.750%
16	17.257	17.201	17.326	BB	178623	2380518	85.25%	4.676%
17	18.146	18.081	18.209	BB	177447	2443784	87.51%	4.800%
18	18.983	18.941	19.054	BB	166727	2376371	85.10%	4.668%
19	19.768	19.721	19.822	BB	153916	2164324	77.50%	4.251%
20	20.510	20.461	20.547	BV	126781	1857344	66.51%	3.648%
21	21.270	21.221	21.339	BB	92839	1673256	59.92%	3.287%
22	22.222	22.141	22.300	BBA	63284	1565379	56.06%	3.075%
Sum of corrected areas:							50911873	

Aliphatic EPH 082825.M Fri Aug 29 04:27:24 2025