

Initial Calibration Report for SequenceID : FE112725AL

AreaCount

Parameter Range	FE057079.D	FE057080.D	FE057081.D	FE057082.D	FE057083.D	
Aliphatic C9-C12	61605037.000	31277615.000	12078695.000	6106296.000	2768341.000	
Aliphatic C12-C16	41258739.000	21226436.000	8163447.000	4125032.000	1869909.000	
Aliphatic C16-C21	59019889.000	30708814.000	11879495.000	6090368.000	2836749.000	
Aliphatic C21-C28	73624885.000	39419560.000	15065933.000	8282818.000	4343612.000	
Aliphatic C28-C40	101281520.000	54740735.000	22794814.000	12906501.000	7294880.000	
Aliphatic EPH	336790070.000	177373160.000	69982384.000	37511015.000	19113491.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	200655.681333	4.674				
Aliphatic C12-C16	203177.346	4.699				
Aliphatic C16-C21	198315.7679996	3.092				
Aliphatic C21-C28	198747.045	6.825				
Aliphatic C28-C40	199899.8899996	14.74				
Aliphatic EPH	199869.8088884	5.185				

Concentration

Parameter Range	FE057079.D	FE057080.D	FE057081.D	FE057082.D	FE057083.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	FE057079.D	FE057080.D	FE057081.D	FE057082.D	FE057083.D	
Aliphatic C9-C12	205350.123333	208517.433333	201311.583333	203543.200000	184556.066666	
Aliphatic C12-C16	206293.695000	212264.360000	204086.175000	206251.600000	186990.900000	
Aliphatic C16-C21	196732.963333	204725.426666	197991.583333	203012.266666	189116.600000	

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Aliphatic C21-C28	184062.212500	197097.800000	188324.162500	207070.450000	217180.600000	
Aliphatic C28-C40	168802.533333	182469.116666	189956.783333	215108.350000	243162.666666	
Aliphatic EPH	187105.594444	197081.288888	194395.511111	208394.527777	212372.122222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057079.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:17
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: sample.E
 Quant Time: Dec 01 07:58:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 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)	11.952	21912187	99.913 ug/ml
Spiked Amount 50.000		Recovery =	199.83%
12) S 1-chlorooctadecane (S...	13.387	16734087	100.123 ug/ml
Spiked Amount 50.000		Recovery =	200.25%
Target Compounds			
1) T n-Nonane (C9)	3.305	20032402	102.382 ug/ml
2) T n-Decane (C10)	4.559	20702539	101.808 ug/ml
3) T A~Naphthalene (C11.7)	6.274	22085713	107.616 ug/ml
4) T n-Dodecane (C12)	6.732	20870096	101.844 ug/ml
5) T A~2-methylnaphthalene...	7.375	21107253	109.140 ug/ml
6) T n-Tetradecane (C14)	8.566	20485583	101.338 ug/ml
7) T n-Hexadecane (C16)	10.179	20773156	100.830 ug/ml
8) T n-Octadecane (C18)	11.628	20604069	99.790 ug/ml
10) T n-Eicosane (C20)	12.940	19440685	99.216 ug/ml
11) T n-Heneicosane (C21)	13.554	18975135	99.058 ug/ml
13) T n-Docosane (C22)	14.142	18765832	99.250 ug/ml
14) T n-Tetracosane (C24)	15.248	18530924	98.759 ug/ml
15) T n-Hexacosane (C26)	16.272	18269735	98.195 ug/ml
16) T n-Octacosane (C28)	17.224	18058394	94.781 ug/ml
17) T n-Tricontane (C30)	18.115	18497733	88.764 ug/ml
18) T n-Dotriacontane (C32)	18.950	18131393	83.894 ug/ml
19) T n-Tetratriacontane (C34)	19.735	17264372	85.119 ug/ml
20) T n-Hexatriacontane (C36)	20.476	15948521	88.913 ug/ml
21) T n-Octatriacontane (C38)	21.226	15667436	92.925 ug/ml
22) T n-Tetracontane (C40)	22.161	15772065	95.922 ug/ml

(f)=RT Delta > 1/2 Window

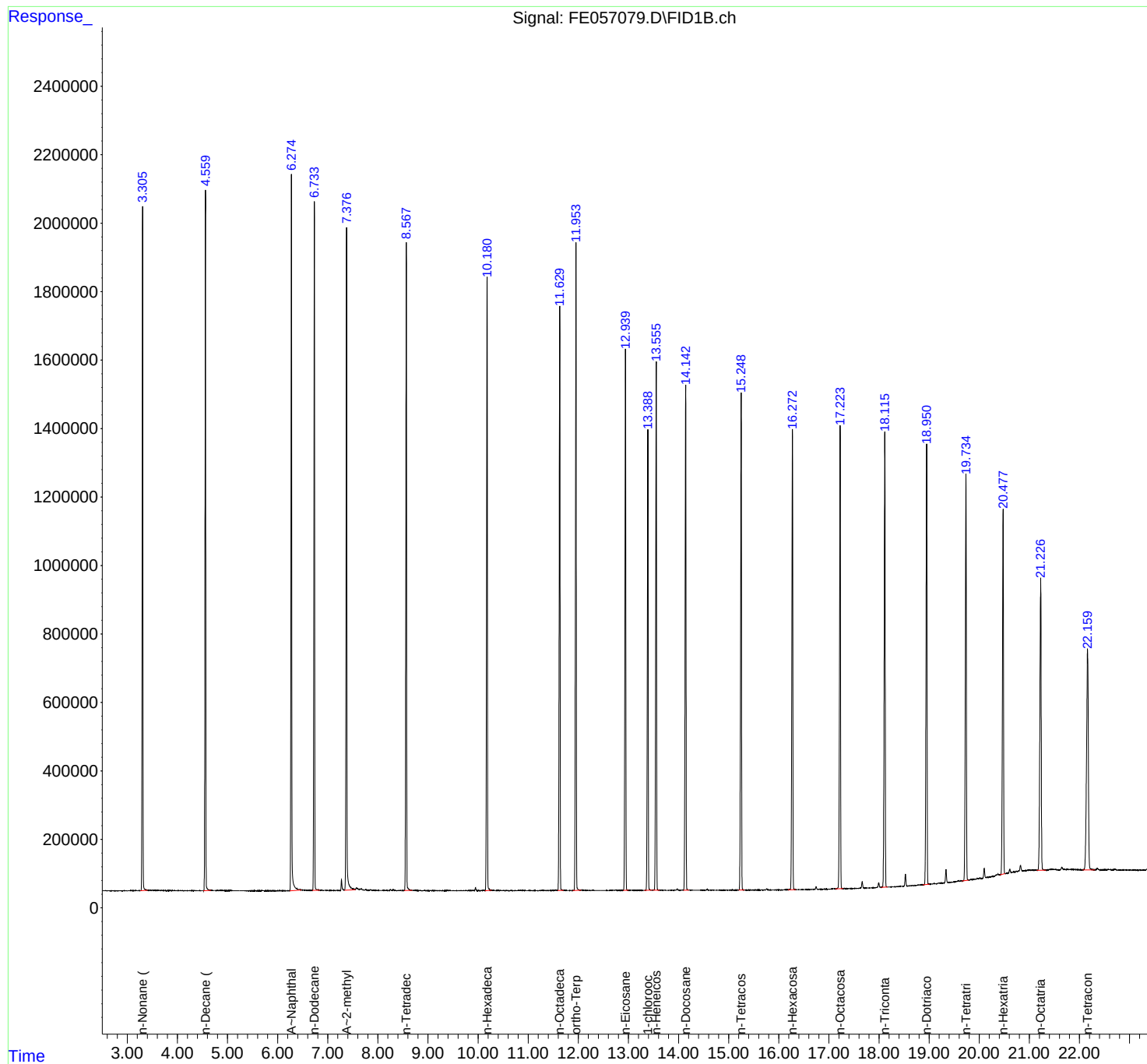
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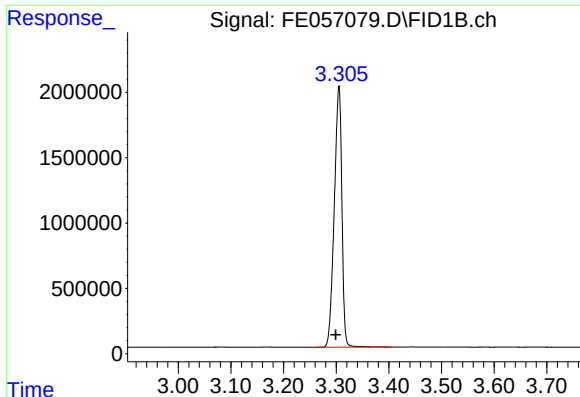
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Data File : FE057079.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 12:17
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: sample.E
Quant Time: Dec 01 07:58:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

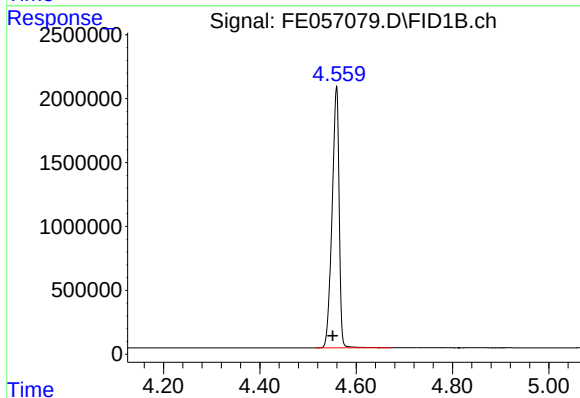




#1 n-Nonane (C9)

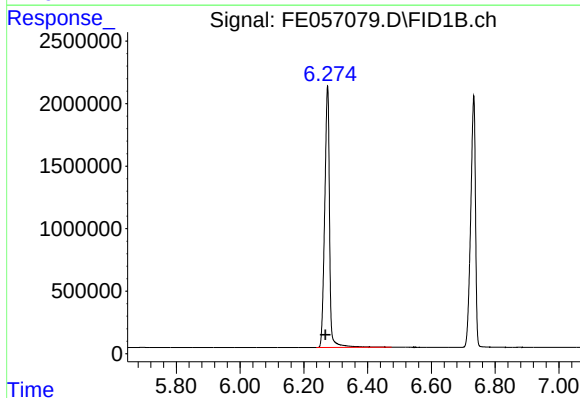
R.T.: 3.305 min
Delta R.T.: 0.006 min
Response: 20032402
Conc: 102.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



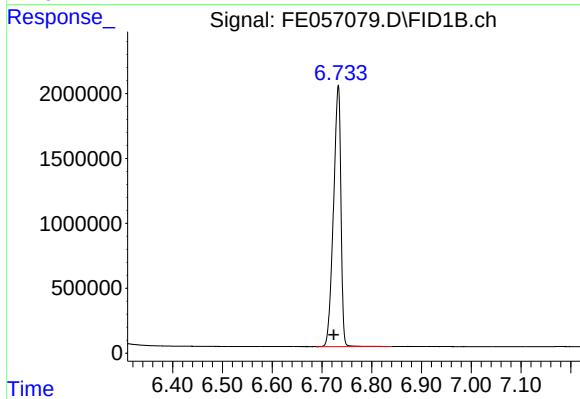
#2 n-Decane (C10)

R.T.: 4.559 min
Delta R.T.: 0.007 min
Response: 20702539
Conc: 101.81 ug/ml



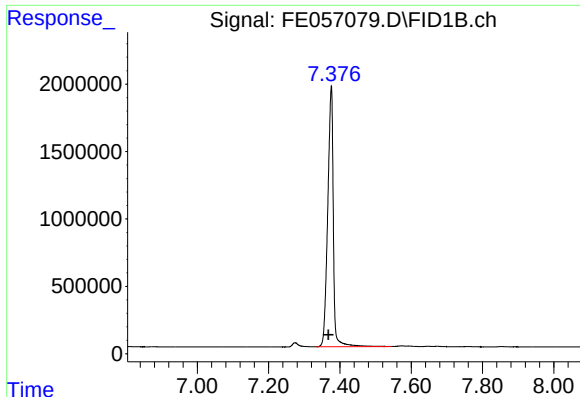
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.006 min
Response: 22085713
Conc: 107.62 ug/ml



#4 n-Dodecane (C12)

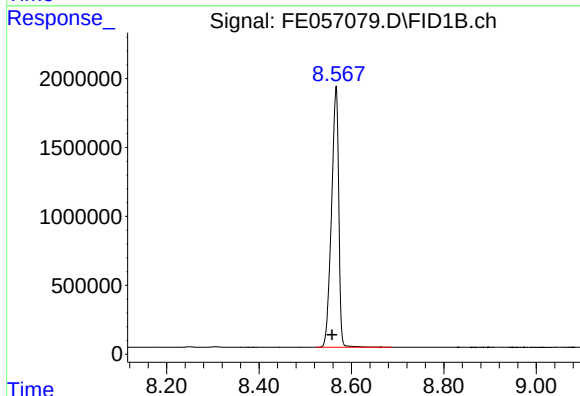
R.T.: 6.732 min
Delta R.T.: 0.008 min
Response: 20870096
Conc: 101.84 ug/ml



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

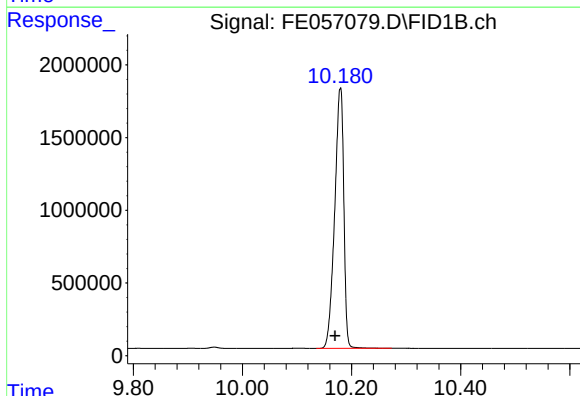
R.T.: 7.375 min
Delta R.T.: 0.008 min
Response: 21107253
Conc: 109.14 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



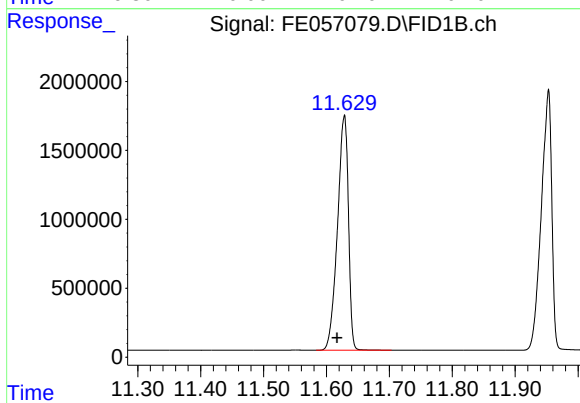
#6 n-Tetradecane (C14)

R.T.: 8.566 min
Delta R.T.: 0.009 min
Response: 20485583
Conc: 101.34 ug/ml



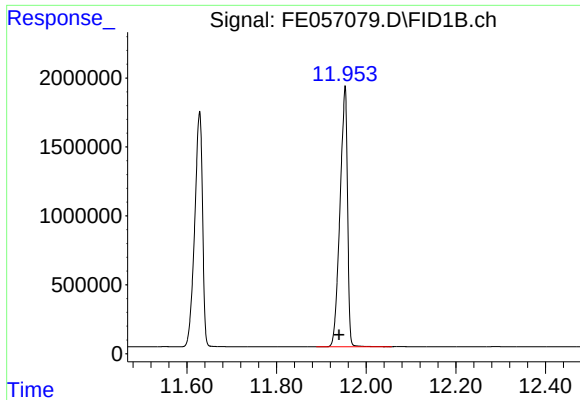
#7 n-Hexadecane (C16)

R.T.: 10.179 min
Delta R.T.: 0.009 min
Response: 20773156
Conc: 100.83 ug/ml



#8 n-Octadecane (C18)

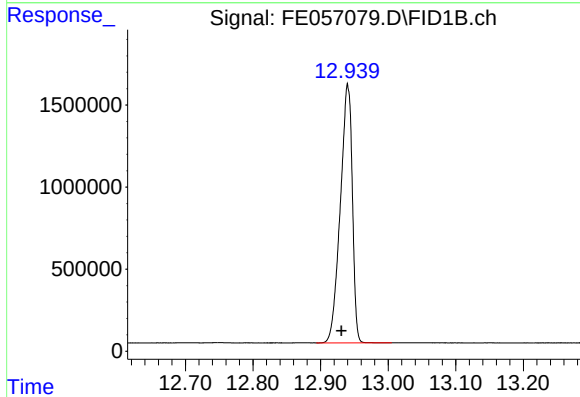
R.T.: 11.628 min
Delta R.T.: 0.011 min
Response: 20604069
Conc: 99.79 ug/ml



#9 ortho-Terphenyl (SURR)

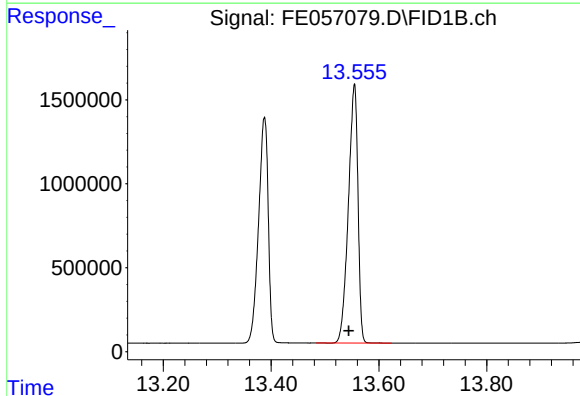
R.T.: 11.952 min
Delta R.T.: 0.012 min
Response: 21912187
Conc: 99.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



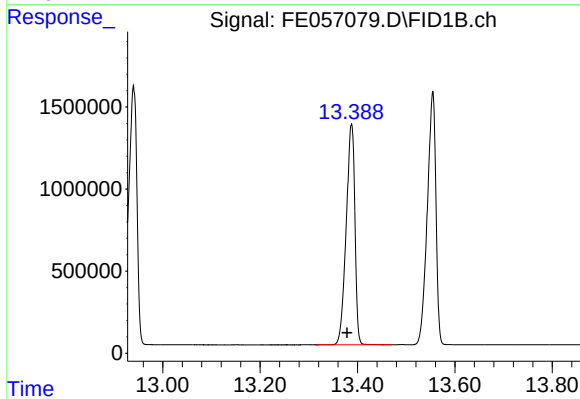
#10 n-Eicosane (C20)

R.T.: 12.940 min
Delta R.T.: 0.009 min
Response: 19440685
Conc: 99.22 ug/ml



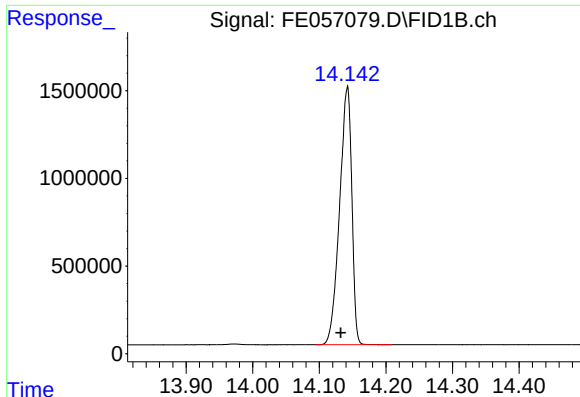
#11 n-Heneicosane (C21)

R.T.: 13.554 min
Delta R.T.: 0.010 min
Response: 18975135
Conc: 99.06 ug/ml



#12 1-chlorooctadecane (SURR)

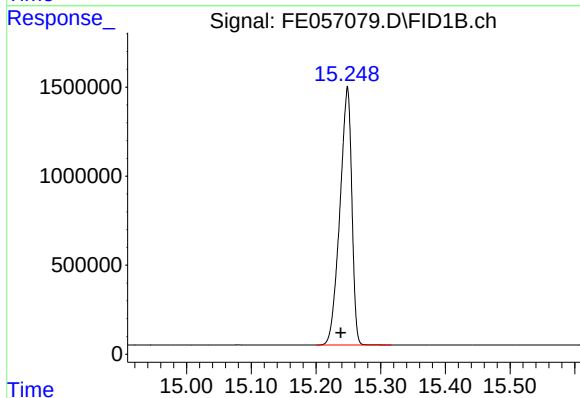
R.T.: 13.387 min
Delta R.T.: 0.009 min
Response: 16734087
Conc: 100.12 ug/ml



#13 n-Docosane (C22)

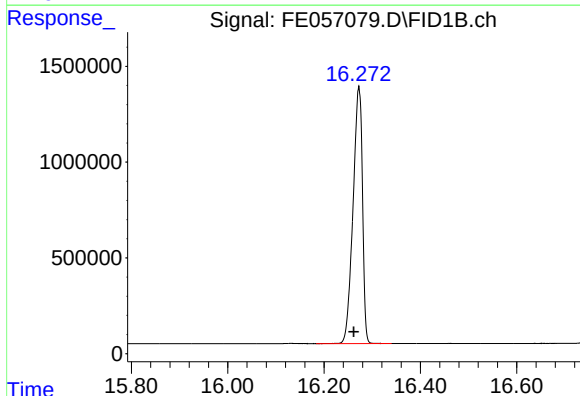
R.T.: 14.142 min
Delta R.T.: 0.009 min
Response: 18765832
Conc: 99.25 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



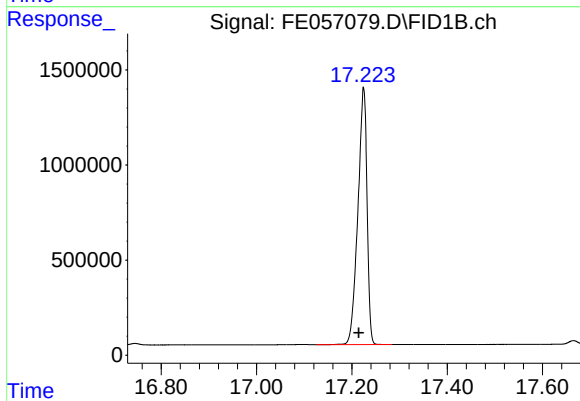
#14 n-Tetracosane (C24)

R.T.: 15.248 min
Delta R.T.: 0.010 min
Response: 18530924
Conc: 98.76 ug/ml



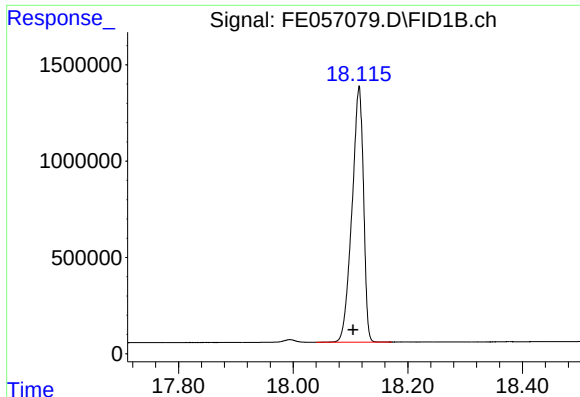
#15 n-Hexacosane (C26)

R.T.: 16.272 min
Delta R.T.: 0.010 min
Response: 18269735
Conc: 98.20 ug/ml



#16 n-Octacosane (C28)

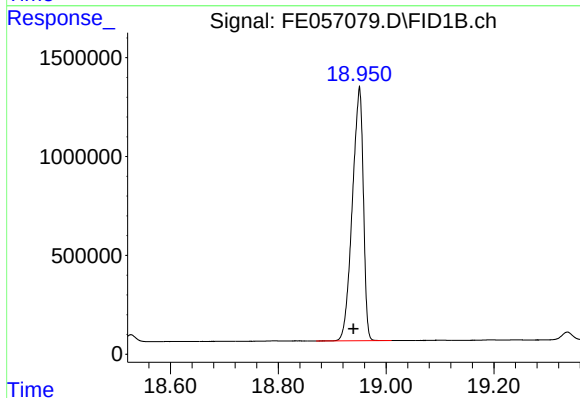
R.T.: 17.224 min
Delta R.T.: 0.010 min
Response: 18058394
Conc: 94.78 ug/ml



#17 n-Tricontane (C30)

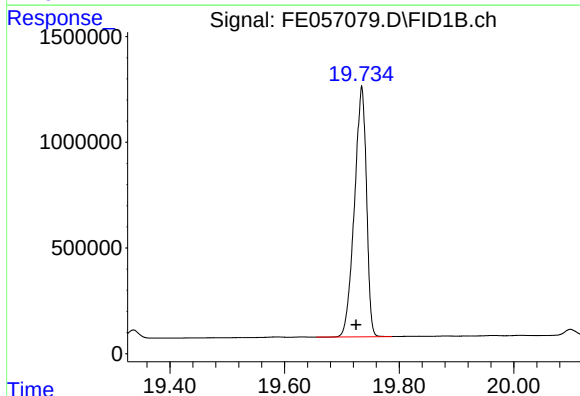
R.T.: 18.115 min
Delta R.T.: 0.010 min
Response: 18497733
Conc: 88.76 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



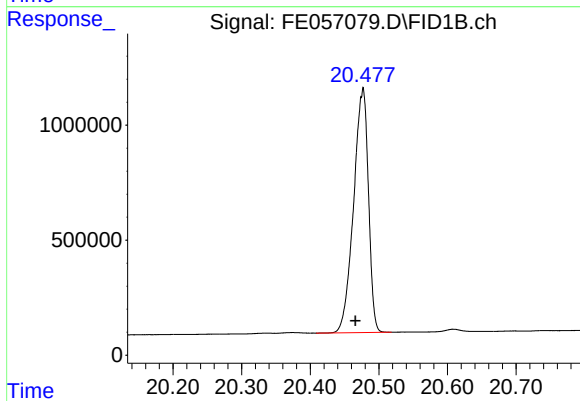
#18 n-Dotriacontane (C32)

R.T.: 18.950 min
Delta R.T.: 0.011 min
Response: 18131393
Conc: 83.89 ug/ml



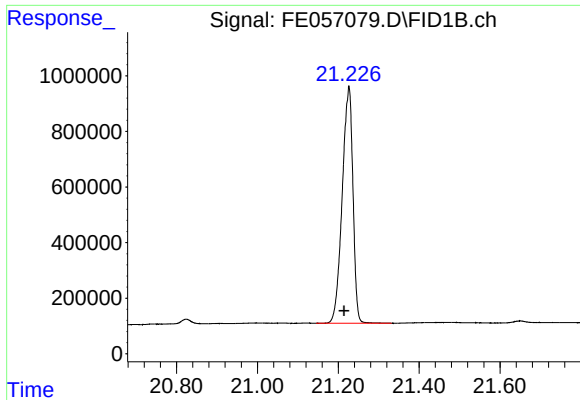
#19 n-Tetratriacontane (C34)

R.T.: 19.735 min
Delta R.T.: 0.010 min
Response: 17264372
Conc: 85.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: 0.010 min
Response: 15948521
Conc: 88.91 ug/ml



#21 n-Octatriacontane (C38)

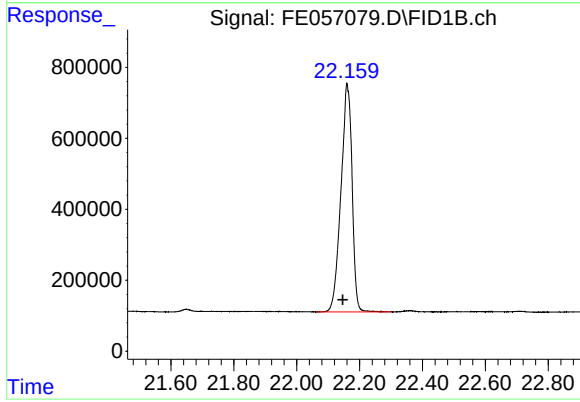
R.T.: 21.226 min
Delta R.T.: 0.012 min
Response: 15667436
Conc: 92.93 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.161 min
Delta R.T.: 0.014 min
Response: 15772065
Conc: 95.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057079.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:17
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.305	3.262	3.405	BB	2004999	20032402	90.70%	4.785%
2	4.559	4.517	4.674	BB	2037297	20702539	93.74%	4.945%
3	6.274	6.239	6.475	BB	2085334	22085713	100.00%	5.276%
4	6.732	6.689	6.840	BB	1991584	20870096	94.50%	4.985%
5	7.375	7.333	7.545	VV	1923181	21107253	95.57%	5.042%
6	8.566	8.524	8.687	BB	1901958	20485583	92.75%	4.893%
7	10.179	10.135	10.274	BB	1794006	20773156	94.06%	4.962%
8	11.628	11.584	11.704	BB	1707246	20604069	93.29%	4.922%
9	11.952	11.889	12.057	BB	1866752	21912187	99.21%	5.234%
10	12.940	12.894	13.005	BB	1574265	19440685	88.02%	4.644%
11	13.388	13.315	13.470	BB	1344578	16734087	75.77%	3.997%
12	13.554	13.484	13.624	BB	1535018	18975135	85.92%	4.533%
13	14.142	14.095	14.209	BB	1465698	18765832	84.97%	4.483%
14	15.248	15.200	15.317	BB	1454610	18530924	83.90%	4.427%
15	16.272	16.184	16.340	BB	1338632	18269735	82.72%	4.364%
16	17.224	17.125	17.284	BB	1349445	18058394	81.77%	4.314%
17	18.115	18.040	18.172	BB	1333893	18497733	83.75%	4.419%
18	18.950	18.870	19.010	BB	1282735	18131393	82.10%	4.331%
19	19.735	19.655	19.787	BV	1188265	17264372	78.17%	4.124%
20	20.476	20.409	20.519	BB	1067077	15948521	72.21%	3.810%
21	21.226	21.145	21.332	BB	850741	15667436	70.94%	3.743%
22	22.161	22.062	22.302	BB	642352	15772065	71.41%	3.768%
Sum of corrected areas:						418629310		

Aliphatic EPH 112725.M Mon Dec 01 08:15:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057080.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:47
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: sample.E
 Quant Time: Dec 01 07:58:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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12) S 1-chlorooctadecane (S...	13.382	8686353	51.972 ug/ml
Spiked Amount 50.000		Recovery =	103.94%
Target Compounds			
1) T n-Nonane (C9)	3.301	10181724	52.037 ug/ml
2) T n-Decane (C10)	4.554	10507352	51.672 ug/ml
3) T A~Naphthalene (C11.7)	6.269	11023314	53.713 ug/ml
4) T n-Dodecane (C12)	6.727	10588539	51.671 ug/ml
5) T A~2-methylnaphthalene...	7.369	10490219	54.242 ug/ml
6) T n-Tetradecane (C14)	8.561	10501579	51.949 ug/ml
7) T n-Hexadecane (C16)	10.174	10724857	52.057 ug/ml
8) T n-Octadecane (C18)	11.622	10702524	51.834 ug/ml
10) T n-Eicosane (C20)	12.935	10128886	51.693 ug/ml
11) T n-Heneicosane (C21)	13.548	9877404	51.564 ug/ml
13) T n-Docosane (C22)	14.136	9855250	52.123 ug/ml
14) T n-Tetracosane (C24)	15.242	9936631	52.957 ug/ml
15) T n-Hexacosane (C26)	16.266	9814397	52.750 ug/ml
16) T n-Octacosane (C28)	17.219	9813282	51.506 ug/ml
17) T n-Tricontane (C30)	18.109	10211769	49.003 ug/ml
18) T n-Dotriacontane (C32)	18.944	10157241	46.997 ug/ml
19) T n-Tetratriacontane (C34)	19.730	9478160	46.731 ug/ml
20) T n-Hexatriacontane (C36)	20.472	8500505	47.390 ug/ml
21) T n-Octatriacontane (C38)	21.219	8187666	48.562 ug/ml
22) T n-Tetracontane (C40)	22.152	8205394	49.903 ug/ml

(f)=RT Delta > 1/2 Window

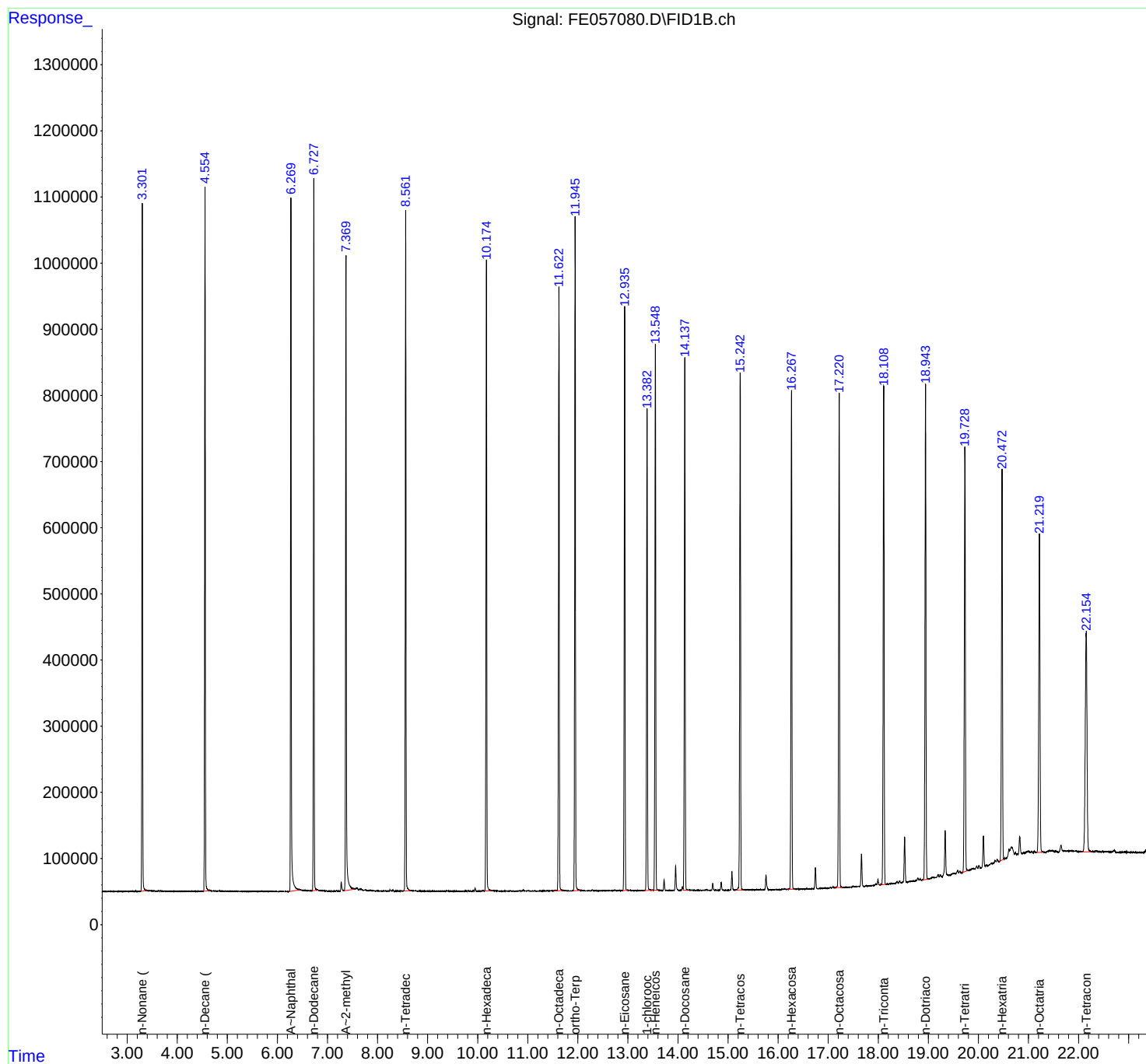
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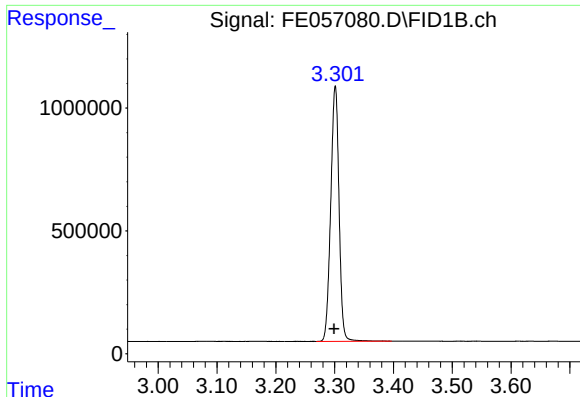
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057080.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 12:47
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: sample.E
Quant Time: Dec 01 07:58:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

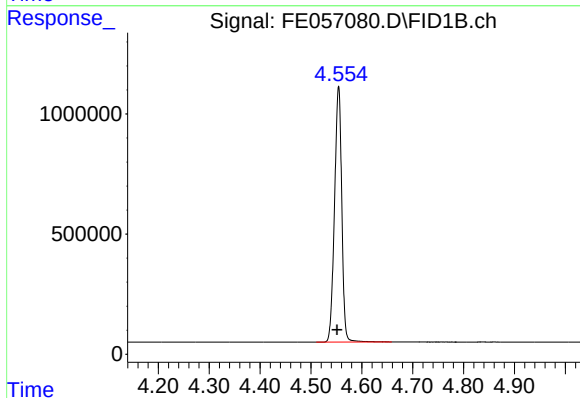




#1 n-Nonane (C9)

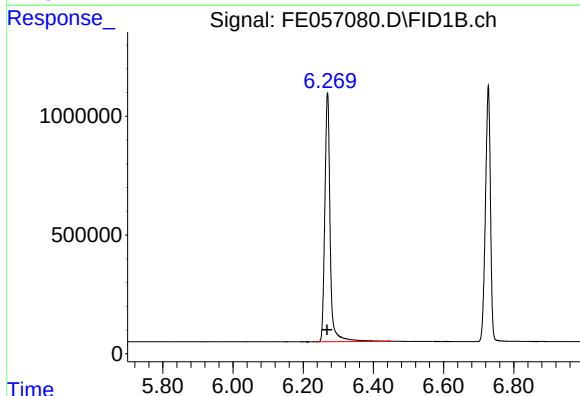
R.T.: 3.301 min
Delta R.T.: 0.002 min
Response: 10181724
Conc: 52.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



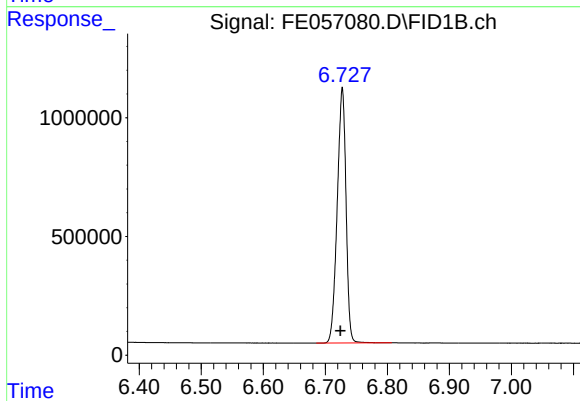
#2 n-Decane (C10)

R.T.: 4.554 min
Delta R.T.: 0.003 min
Response: 10507352
Conc: 51.67 ug/ml



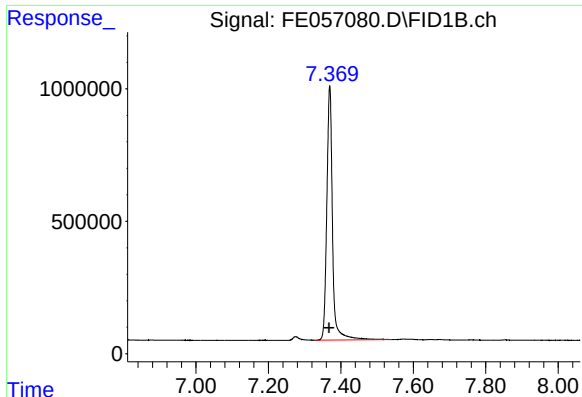
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.001 min
Response: 11023314
Conc: 53.71 ug/ml



#4 n-Dodecane (C12)

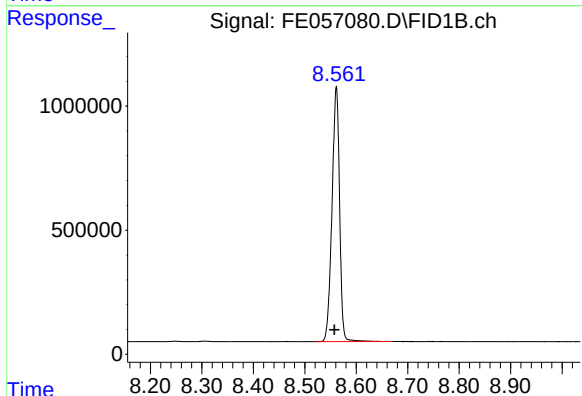
R.T.: 6.727 min
Delta R.T.: 0.003 min
Response: 10588539
Conc: 51.67 ug/ml



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

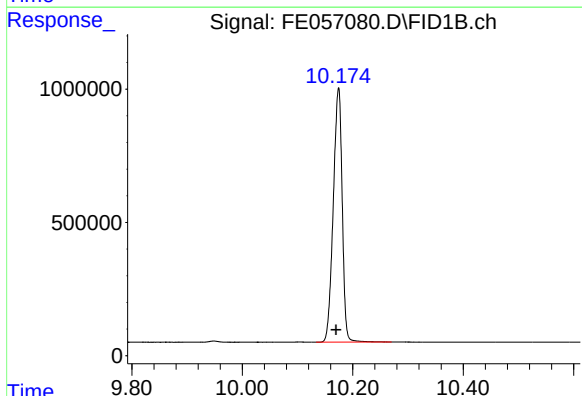
R.T.: 7.369 min
Delta R.T.: 0.002 min
Response: 10490219
Conc: 54.24 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



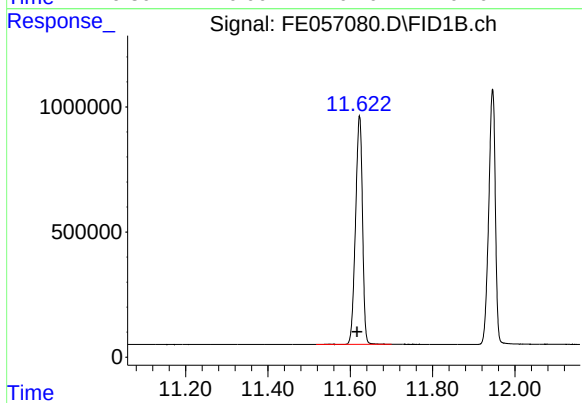
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.003 min
Response: 10501579
Conc: 51.95 ug/ml



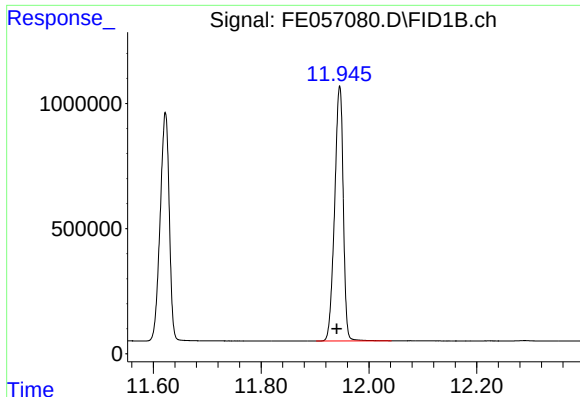
#7 n-Hexadecane (C16)

R.T.: 10.174 min
Delta R.T.: 0.004 min
Response: 10724857
Conc: 52.06 ug/ml



#8 n-Octadecane (C18)

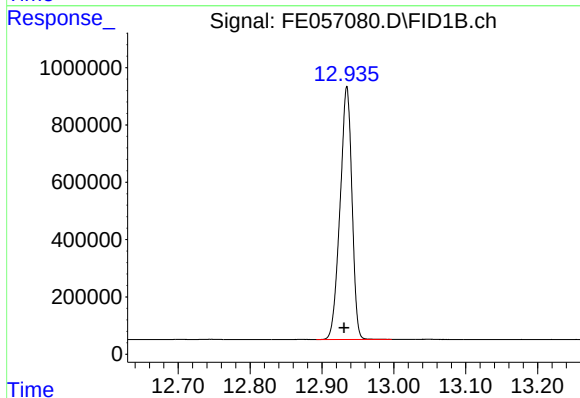
R.T.: 11.622 min
Delta R.T.: 0.005 min
Response: 10702524
Conc: 51.83 ug/ml



#9 ortho-Terphenyl (SURR)

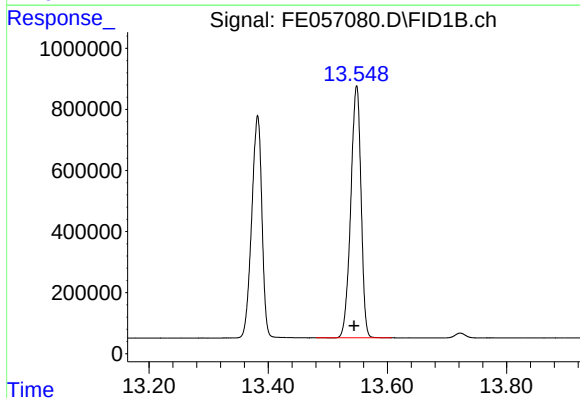
R.T.: 11.945 min
Delta R.T.: 0.006 min
Response: 11338527
Conc: 51.70 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



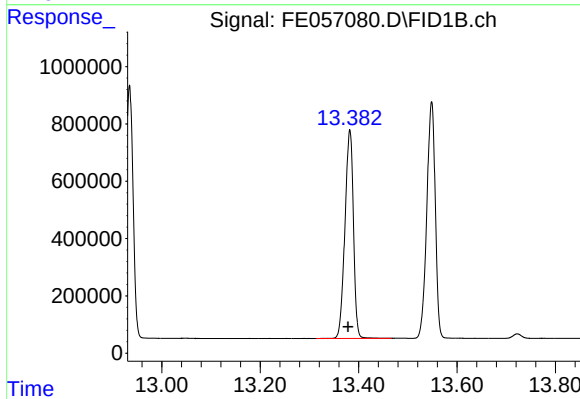
#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: 0.004 min
Response: 10128886
Conc: 51.69 ug/ml



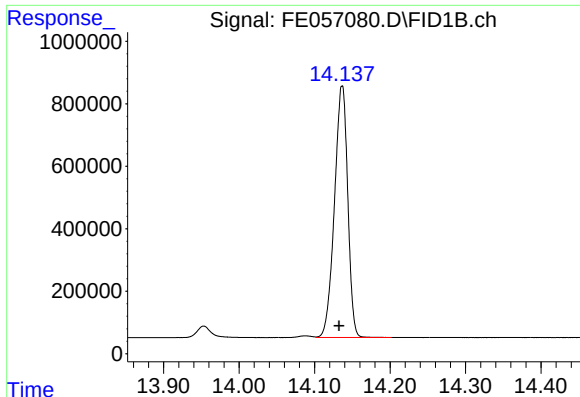
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: 0.004 min
Response: 9877404
Conc: 51.56 ug/ml



#12 1-chlorooctadecane (SURR)

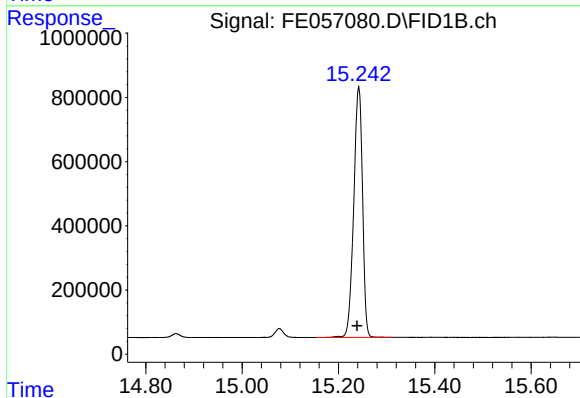
R.T.: 13.382 min
Delta R.T.: 0.004 min
Response: 8686353
Conc: 51.97 ug/ml



#13 n-Docosane (C22)

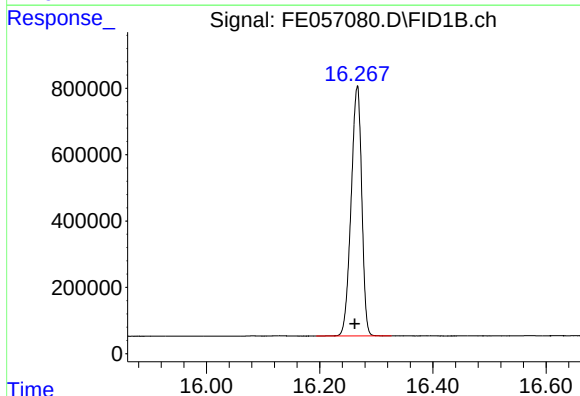
R.T.: 14.136 min
Delta R.T.: 0.004 min
Response: 9855250
Conc: 52.12 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



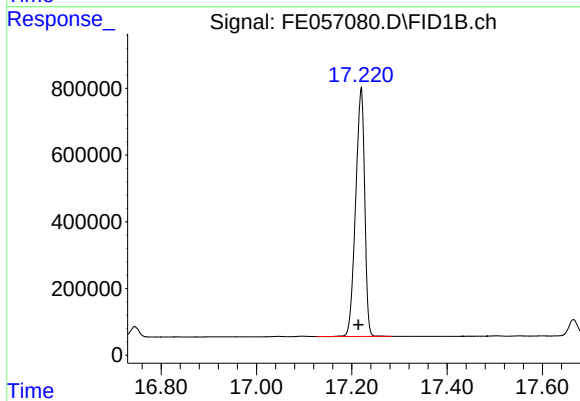
#14 n-Tetracosane (C24)

R.T.: 15.242 min
Delta R.T.: 0.004 min
Response: 9936631
Conc: 52.96 ug/ml



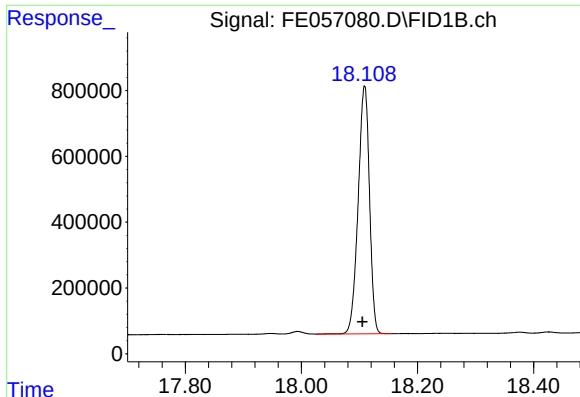
#15 n-Hexacosane (C26)

R.T.: 16.266 min
Delta R.T.: 0.004 min
Response: 9814397
Conc: 52.75 ug/ml



#16 n-Octacosane (C28)

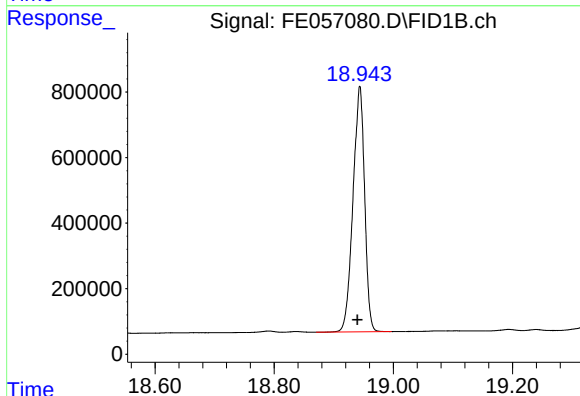
R.T.: 17.219 min
Delta R.T.: 0.005 min
Response: 9813282
Conc: 51.51 ug/ml



#17 n-Tricontane (C30)

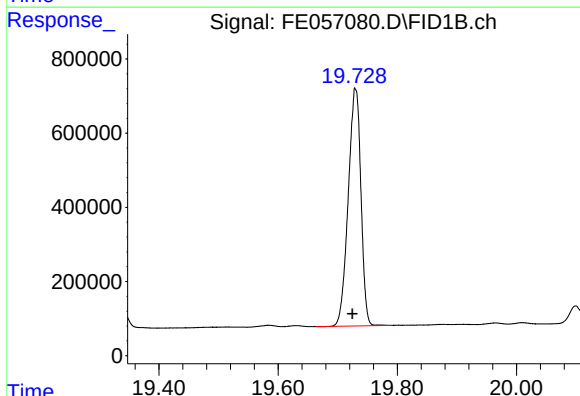
R.T.: 18.109 min
Delta R.T.: 0.004 min
Response: 10211769
Conc: 49.00 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



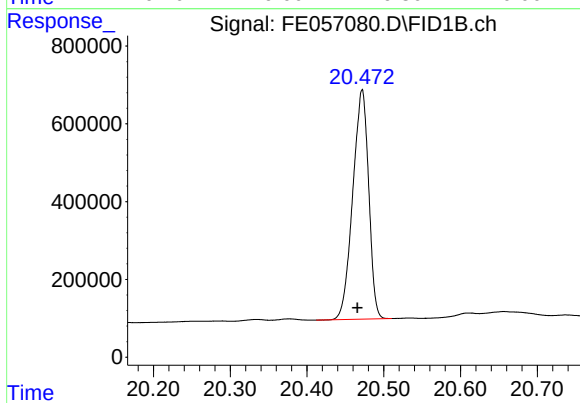
#18 n-Dotriacontane (C32)

R.T.: 18.944 min
Delta R.T.: 0.004 min
Response: 10157241
Conc: 47.00 ug/ml



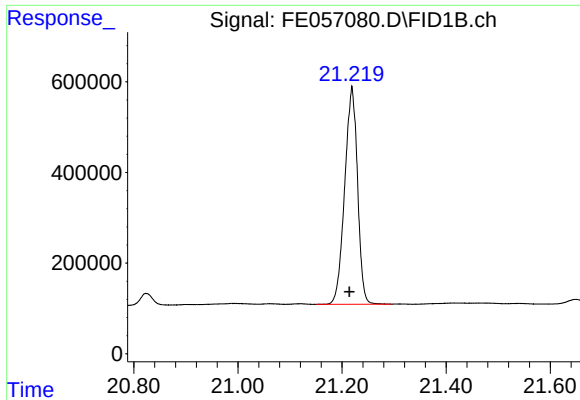
#19 n-Tetratriacontane (C34)

R.T.: 19.730 min
Delta R.T.: 0.005 min
Response: 9478160
Conc: 46.73 ug/ml



#20 n-Hexatriacontane (C36)

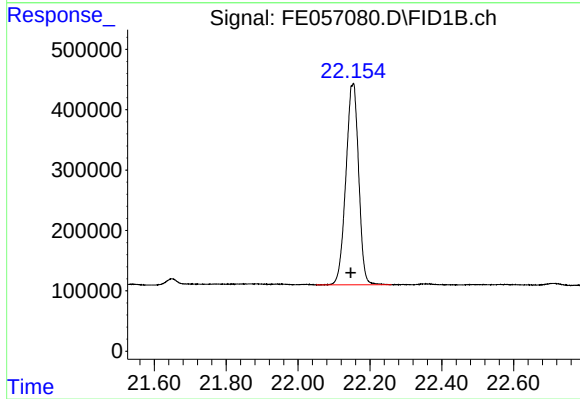
R.T.: 20.472 min
Delta R.T.: 0.006 min
Response: 8500505
Conc: 47.39 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.219 min
Delta R.T.: 0.005 min
Response: 8187666
Conc: 48.56 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.152 min
Delta R.T.: 0.006 min
Response: 8205394
Conc: 49.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057080.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 12:47
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.301	3.269	3.397	BB	1039998	10181724	89.80%	4.651%
2	4.554	4.510	4.659	BB	1062040	10507352	92.67%	4.800%
3	6.269	6.237	6.452	BB	1050349	11023314	97.22%	5.036%
4	6.727	6.685	6.807	BB	1075637	10588539	93.39%	4.837%
5	7.369	7.332	7.540	BB	961150	10490219	92.52%	4.792%
6	8.561	8.522	8.669	BB	1032836	10501579	92.62%	4.797%
7	10.174	10.134	10.270	BB	951485	10724857	94.59%	4.899%
8	11.622	11.517	11.700	BB	914280	10702524	94.39%	4.889%
9	11.946	11.902	12.042	BB	1019487	11338527	100.00%	5.180%
10	12.935	12.892	12.997	BB	885928	10128886	89.33%	4.627%
11	13.382	13.314	13.467	BB	729519	8686353	76.61%	3.968%
12	13.548	13.480	13.607	BB	827656	9877404	87.11%	4.512%
13	14.136	14.102	14.202	VB	807588	9855250	86.92%	4.502%
14	15.242	15.154	15.310	BB	780819	9936631	87.64%	4.539%
15	16.266	16.194	16.327	BB	757237	9814397	86.56%	4.483%
16	17.219	17.125	17.284	BB	741457	9813282	86.55%	4.483%
17	18.109	18.025	18.155	PB	755216	10211769	90.06%	4.665%
18	18.944	18.870	18.997	BB	751186	10157241	89.58%	4.640%
19	19.730	19.664	19.790	BB	637434	9478160	83.59%	4.330%
20	20.472	20.412	20.510	BV	590942	8500505	74.97%	3.883%
21	21.219	21.150	21.295	BB	480348	8187666	72.21%	3.740%
22	22.152	22.050	22.260	BB	331986	8205394	72.37%	3.748%
Sum of corrected areas:						218911571		

Aliphatic EPH 112725.M Mon Dec 01 08:15:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057081.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 13:17
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: sample.E
 Quant Time: Dec 01 07:58:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 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)	11.940	4386274	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.378	3342691	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.299	3913269	20.000 ug/ml
2) T n-Decane (C10)	4.551	4066962	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.268	4104533	20.000 ug/ml
4) T n-Dodecane (C12)	6.724	4098464	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.368	3867913	20.000 ug/ml
6) T n-Tetradecane (C14)	8.558	4043026	20.000 ug/ml
7) T n-Hexadecane (C16)	10.170	4120421	20.000 ug/ml
8) T n-Octadecane (C18)	11.617	4129503	20.000 ug/ml
10) T n-Eicosane (C20)	12.931	3918861	20.000 ug/ml
11) T n-Heneicosane (C21)	13.544	3831131	20.000 ug/ml
13) T n-Docosane (C22)	14.132	3781526	20.000 ug/ml
14) T n-Tetracosane (C24)	15.238	3752748	20.000 ug/ml
15) T n-Hexacosane (C26)	16.262	3721100	20.000 ug/ml
16) T n-Octacosane (C28)	17.214	3810559	20.000 ug/ml
17) T n-Tricontane (C30)	18.105	4167826	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.940	4322475	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.725	4056506	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.466	3587436	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.214	3372052	20.000 ug/ml
22) T n-Tetracontane (C40)	22.146	3288519	20.000 ug/ml

(f)=RT Delta > 1/2 Window

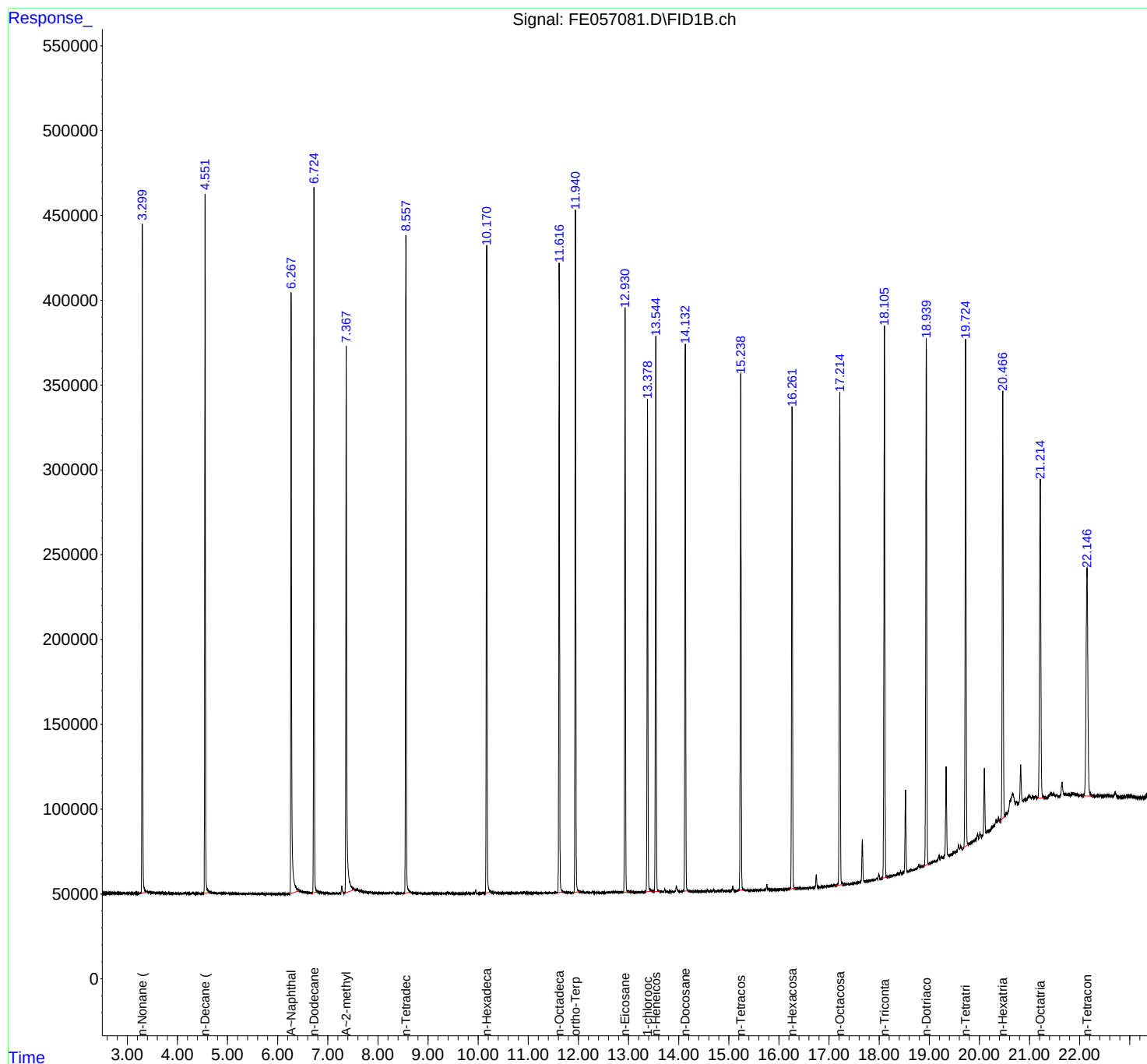
(m)=manual int.

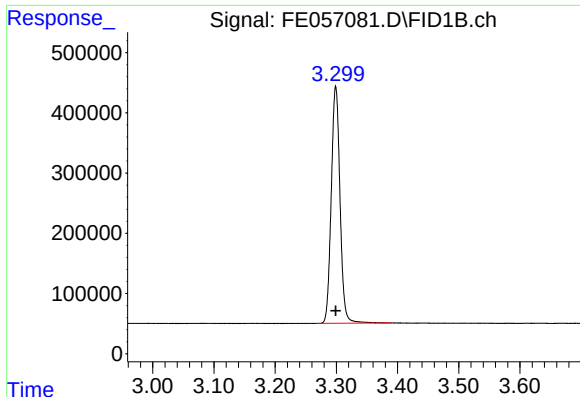
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057081.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 13:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: sample.E
Quant Time: Dec 01 07:58:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

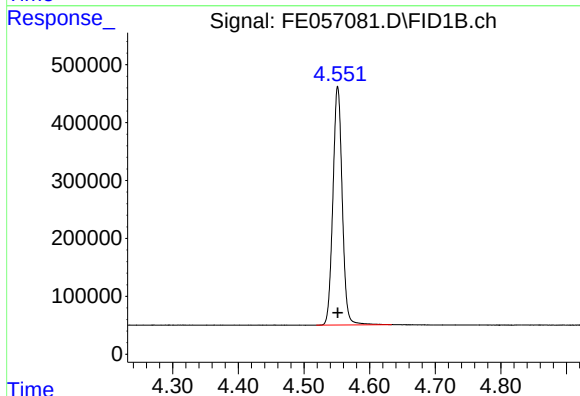




#1 n-Nonane (C9)

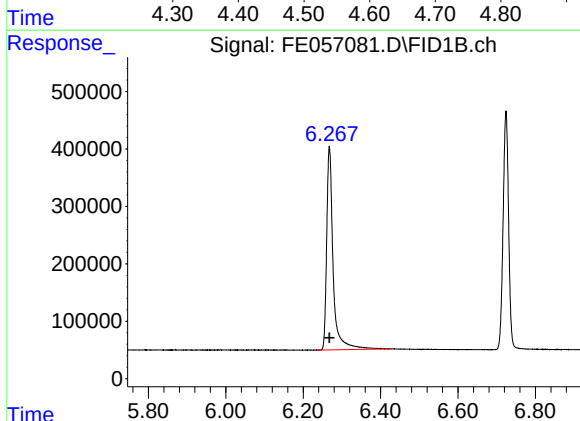
R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 3913269
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



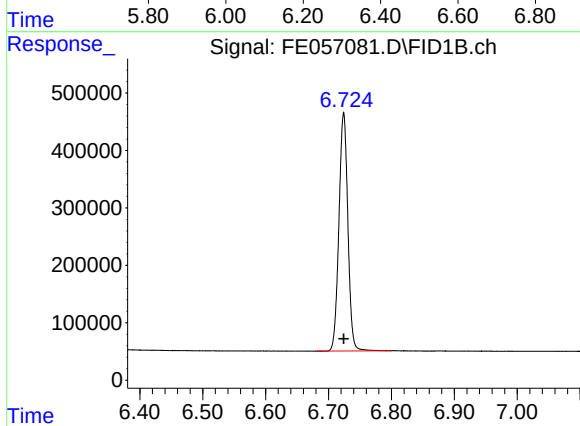
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 4066962
Conc: 20.00 ug/ml



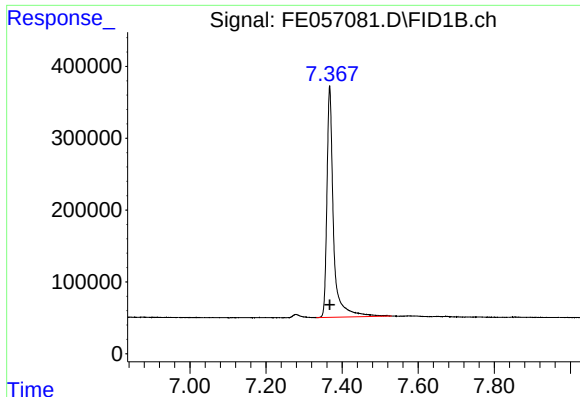
#3 A~Naphthalene (C11.7)

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 4104533
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

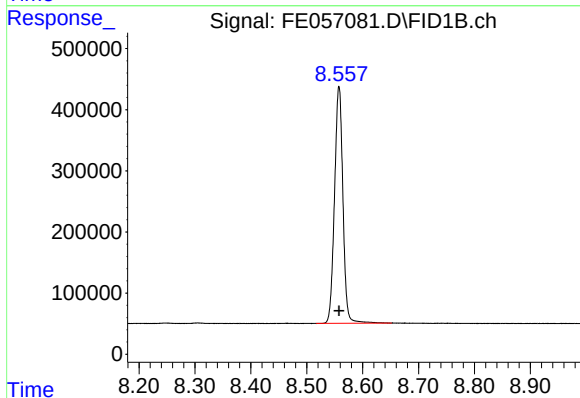
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 4098464
Conc: 20.00 ug/ml



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

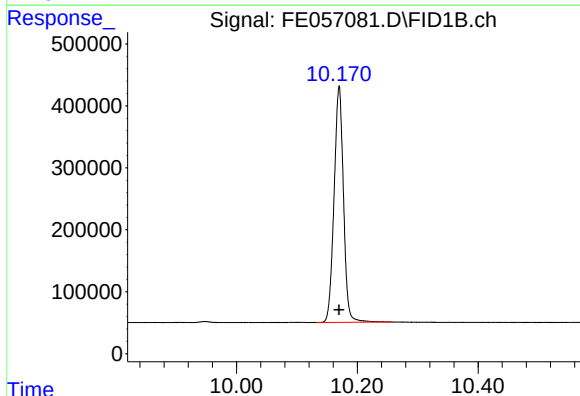
R.T.: 7.368 min
Delta R.T.: 0.000 min
Response: 3867913
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



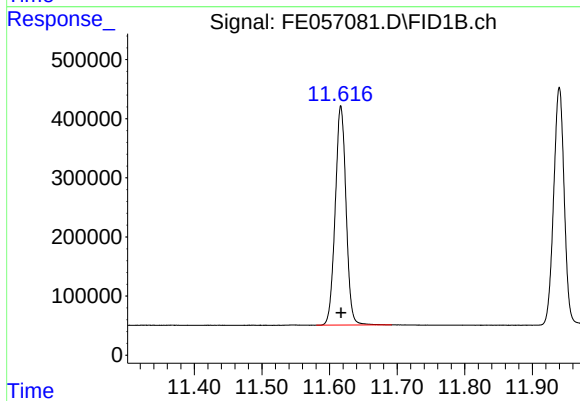
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.000 min
Response: 4043026
Conc: 20.00 ug/ml



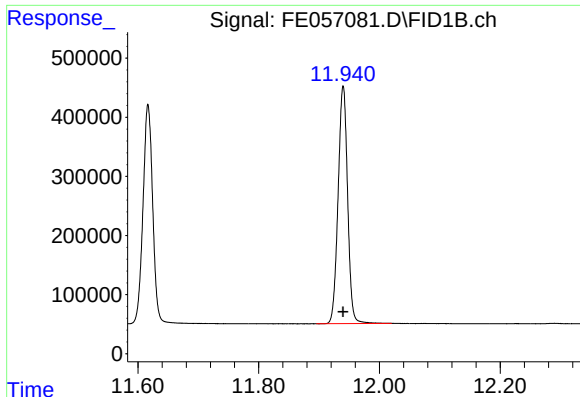
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 4120421
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

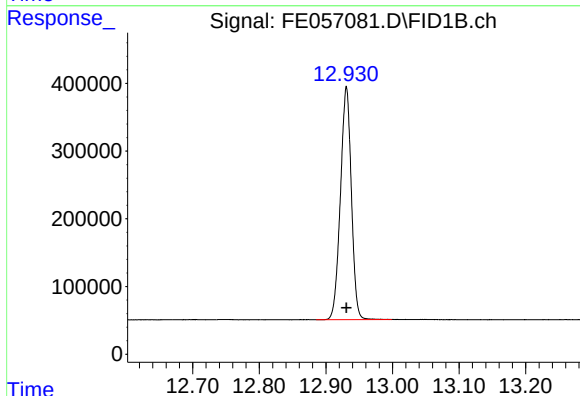
R.T.: 11.617 min
Delta R.T.: 0.000 min
Response: 4129503
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

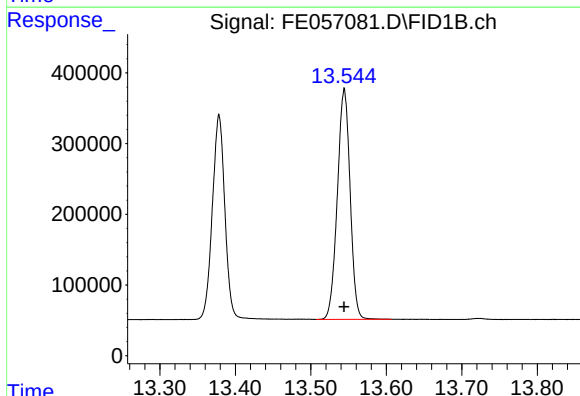
R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 4386274
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



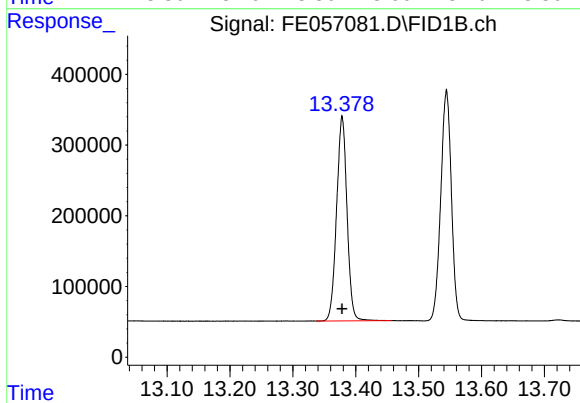
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: 0.000 min
Response: 3918861
Conc: 20.00 ug/ml



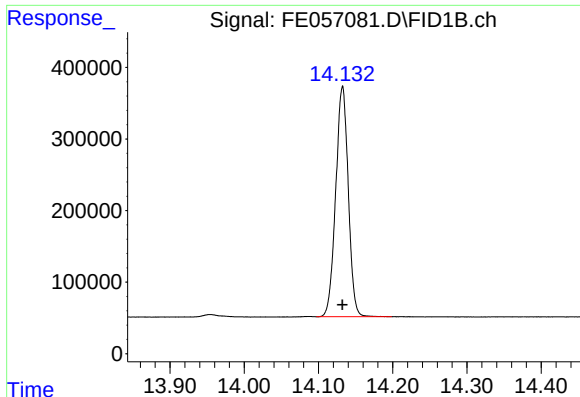
#11 n-Heneicosane (C21)

R.T.: 13.544 min
Delta R.T.: 0.000 min
Response: 3831131
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

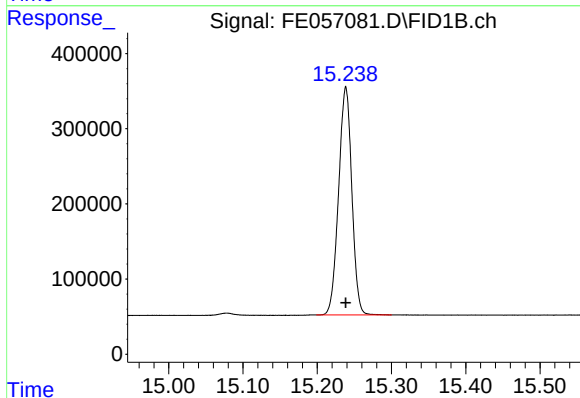
R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3342691
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

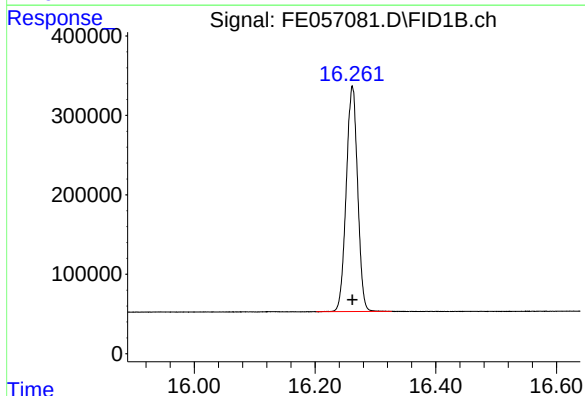
R.T.: 14.132 min
Delta R.T.: 0.000 min
Response: 3781526
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



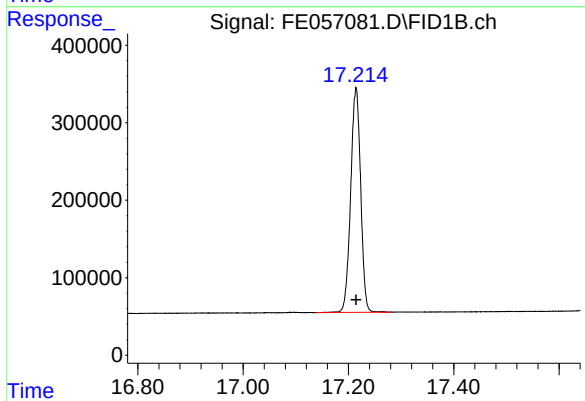
#14 n-Tetracosane (C24)

R.T.: 15.238 min
Delta R.T.: 0.000 min
Response: 3752748
Conc: 20.00 ug/ml



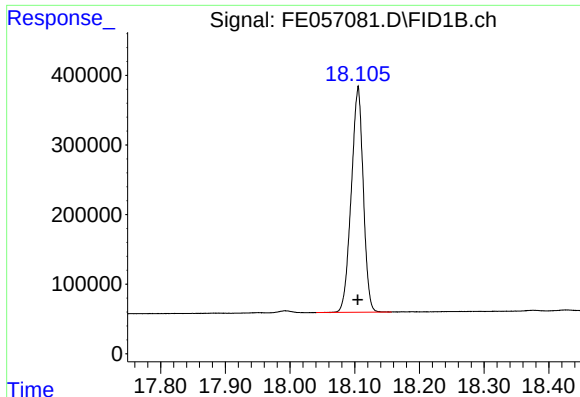
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: 0.000 min
Response: 3721100
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

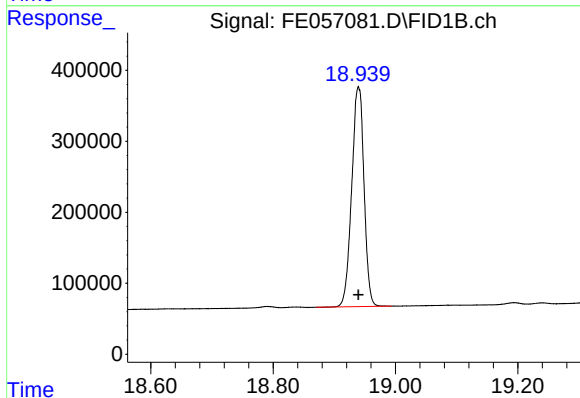
R.T.: 17.214 min
Delta R.T.: 0.000 min
Response: 3810559
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

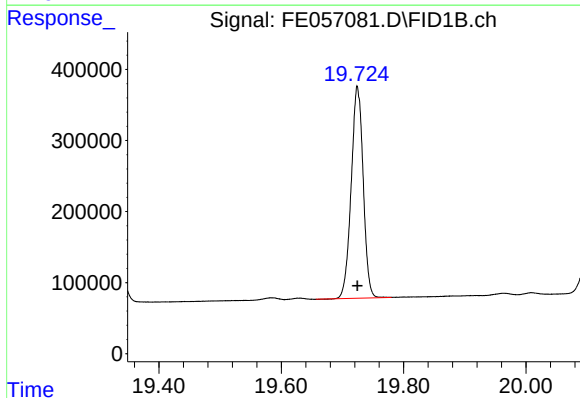
R.T.: 18.105 min
Delta R.T.: 0.000 min
Response: 4167826
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



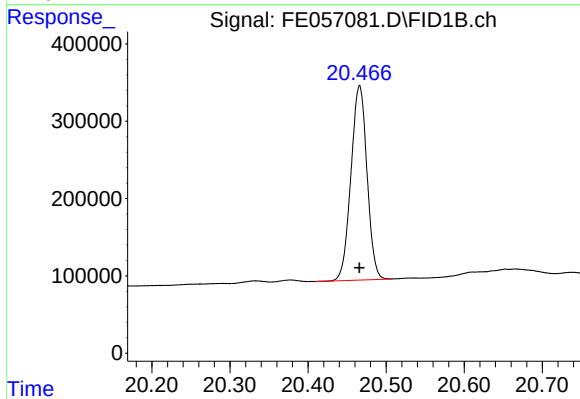
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: 0.000 min
Response: 4322475
Conc: 20.00 ug/ml



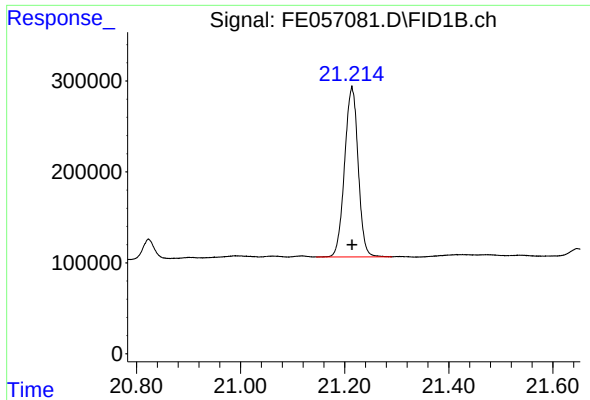
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: 0.000 min
Response: 4056506
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

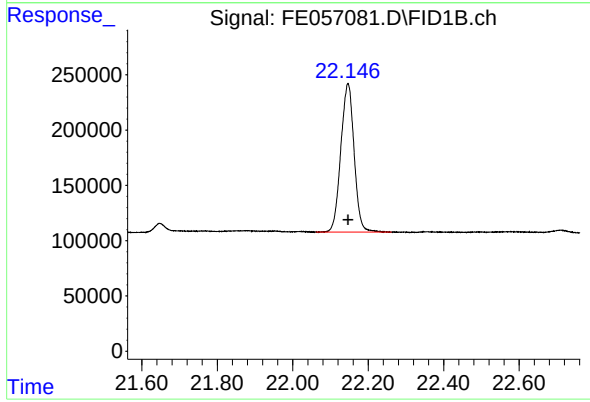
R.T.: 20.466 min
Delta R.T.: 0.000 min
Response: 3587436
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.214 min
Delta R.T.: 0.000 min
Response: 3372052
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.146 min
Delta R.T.: 0.000 min
Response: 3288519
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057081.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 13:17
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.267	3.390	BB	393798	3913269	89.22%	4.567%
2	4.551	4.519	4.634	BB	411199	4066962	92.72%	4.746%
3	6.268	6.234	6.429	BB	350090	4104533	93.58%	4.790%
4	6.724	6.680	6.800	BB	413602	4098464	93.44%	4.783%
5	7.368	7.332	7.530	BB	321341	3867913	88.18%	4.514%
6	8.558	8.517	8.652	BB	388139	4043026	92.17%	4.719%
7	10.170	10.132	10.257	BB	382710	4120421	93.94%	4.809%
8	11.617	11.580	11.692	BB	370353	4129503	94.15%	4.819%
9	11.940	11.895	12.020	BB	402381	4386274	100.00%	5.119%
10	12.931	12.885	12.999	BB	344818	3918861	89.34%	4.574%
11	13.378	13.337	13.457	BB	289593	3342691	76.21%	3.901%
12	13.544	13.507	13.607	BB	324466	3831131	87.34%	4.471%
13	14.132	14.097	14.199	BB	321242	3781526	86.21%	4.413%
14	15.238	15.199	15.300	BB	304068	3752748	85.56%	4.380%
15	16.262	16.202	16.327	BB	284225	3721100	84.84%	4.343%
16	17.214	17.139	17.282	BB	288619	3810559	86.87%	4.447%
17	18.105	18.040	18.157	BB	324782	4167826	95.02%	4.864%
18	18.940	18.870	18.994	BB	309193	4322475	98.55%	5.045%
19	19.725	19.657	19.780	BB	295652	4056506	92.48%	4.734%
20	20.466	20.410	20.507	BV	251364	3587436	81.79%	4.187%
21	21.214	21.145	21.290	BB	187230	3372052	76.88%	3.935%
22	22.146	22.062	22.262	BB	134568	3288519	74.97%	3.838%
Sum of corrected areas:							85683792	

Aliphatic EPH 112725.M Mon Dec 01 08:16:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057082.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 13:47
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
 Quant Time: Dec 01 07:58:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 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)	11.939	2243241	10.228 ug/ml
Spiked Amount 50.000		Recovery =	20.46%
12) S 1-chlorooctadecane (S...	13.377	1697156	10.154 ug/ml
Spiked Amount 50.000		Recovery =	20.31%
Target Compounds			
1) T n-Nonane (C9)	3.299	1983051	10.135 ug/ml
2) T n-Decane (C10)	4.551	2050159	10.082 ug/ml
3) T A~Naphthalene (C11.7)	6.269	1971799	9.608 ug/ml
4) T n-Dodecane (C12)	6.723	2073086	10.116 ug/ml
5) T A~2-methylnaphthalene...	7.369	1806626	9.342 ug/ml
6) T n-Tetradecane (C14)	8.557	2044223	10.112 ug/ml
7) T n-Hexadecane (C16)	10.169	2080809	10.100 ug/ml
8) T n-Octadecane (C18)	11.616	2104056	10.190 ug/ml
10) T n-Eicosane (C20)	12.929	2014364	10.280 ug/ml
11) T n-Heneicosane (C21)	13.543	1971948	10.294 ug/ml
13) T n-Docosane (C22)	14.130	1990249	10.526 ug/ml
14) T n-Tetracosane (C24)	15.236	2054842	10.951 ug/mlm
15) T n-Hexacosane (C26)	16.260	2072343	11.138 ug/ml
16) T n-Octacosane (C28)	17.213	2165384	11.365 ug/ml
17) T n-Tricontane (C30)	18.103	2404758	11.540 ug/ml
18) T n-Dotriacontane (C32)	18.939	2539245	11.749 ug/ml
19) T n-Tetratriacontane (C34)	19.724	2308751	11.383 ug/ml
20) T n-Hexatriacontane (C36)	20.466	1985844	11.071 ug/ml
21) T n-Octatriacontane (C38)	21.213	1848111	10.961 ug/ml
22) T n-Tetracontane (C40)	22.145	1819792	11.068 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057082.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 13:47
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 54 Sample Multiplier: 1

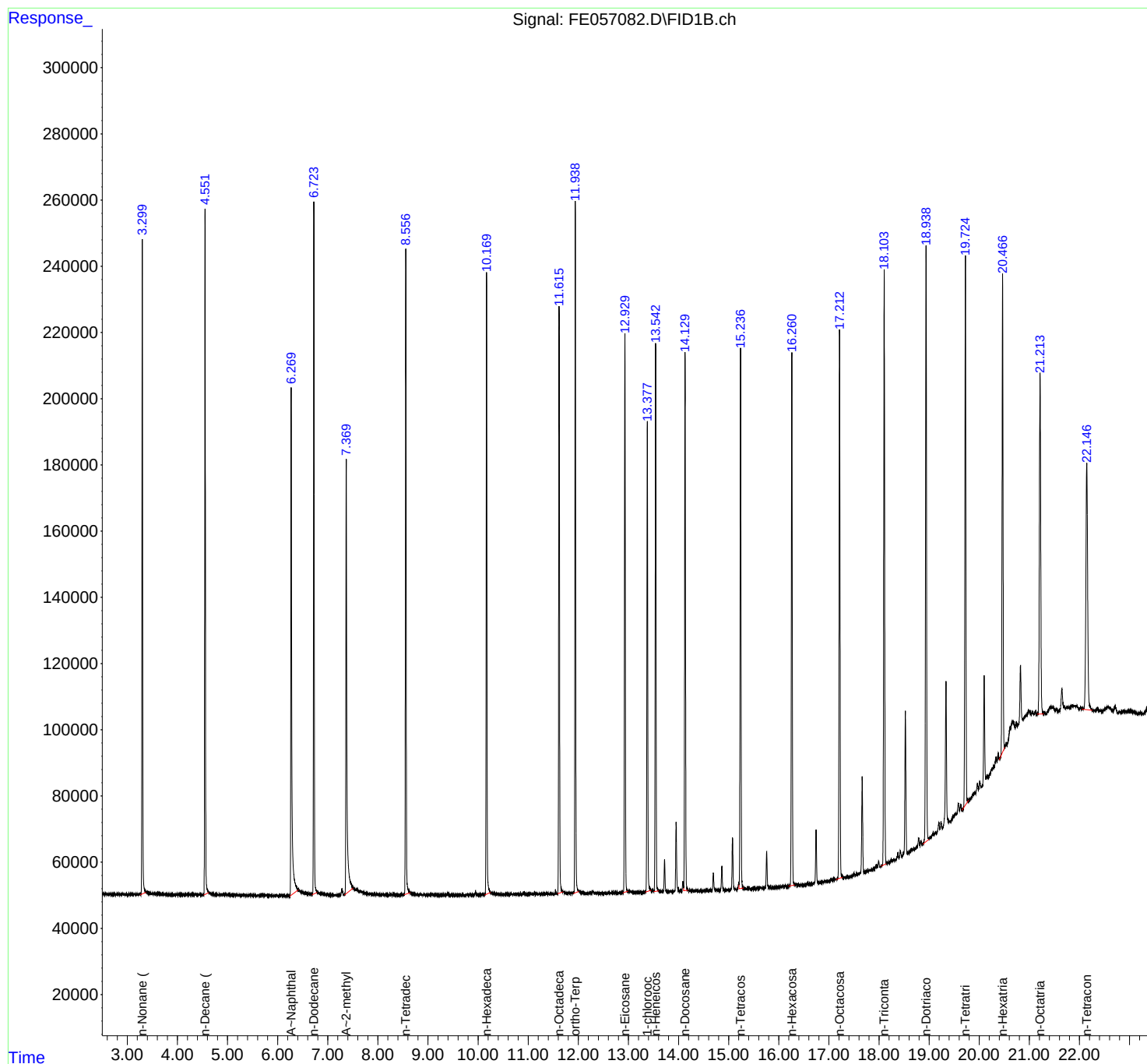
Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

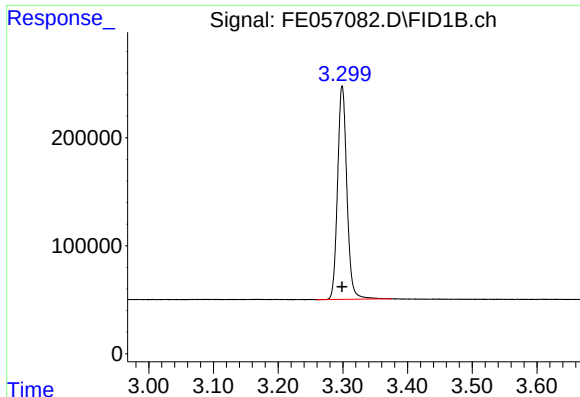
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
Quant Time: Dec 01 07:58:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





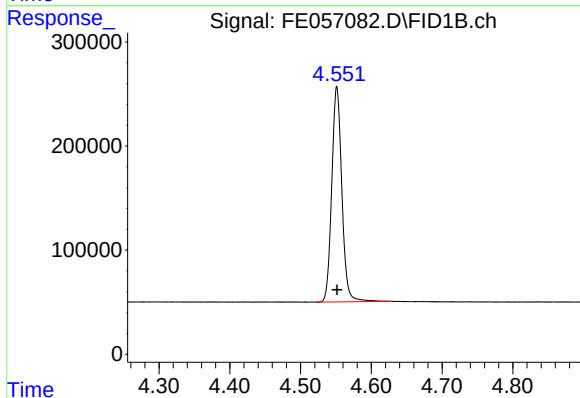
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 1983051
Conc: 10.14 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

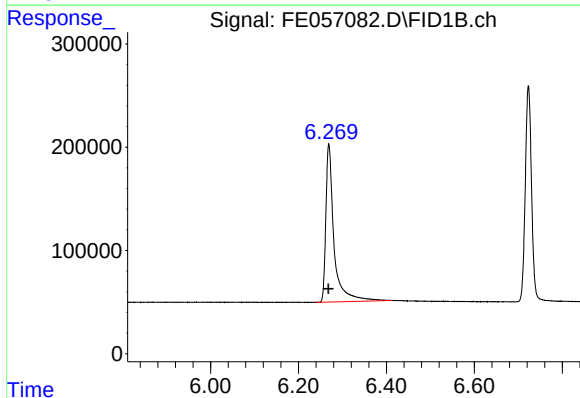
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



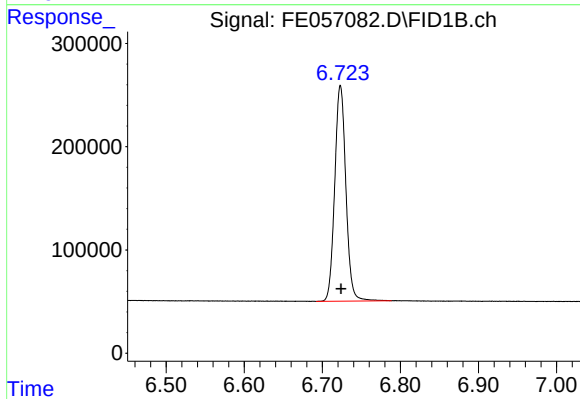
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 2050159
Conc: 10.08 ug/ml



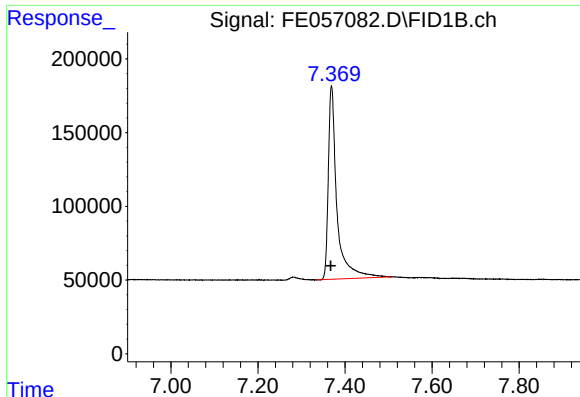
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.002 min
Response: 1971799
Conc: 9.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 2073086
Conc: 10.12 ug/ml



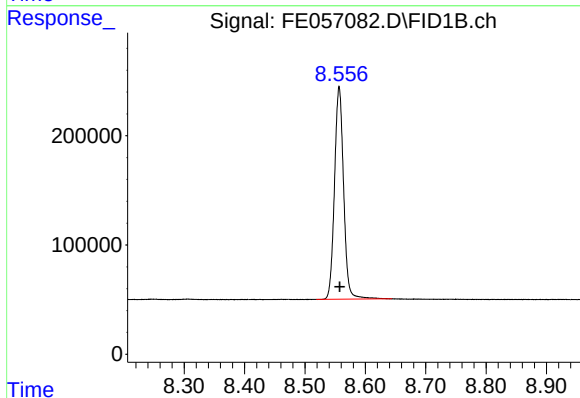
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: 0.002 min
Response: 1806626
Conc: 9.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

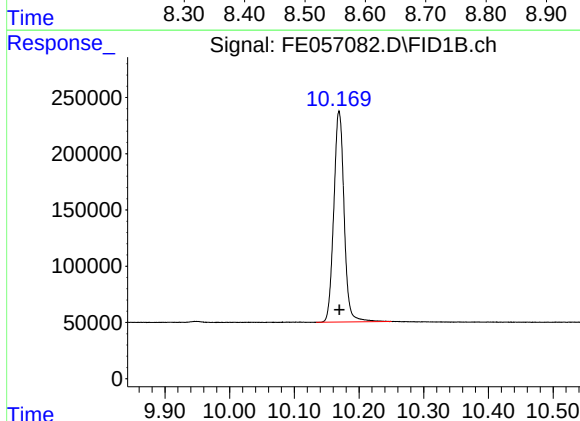
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



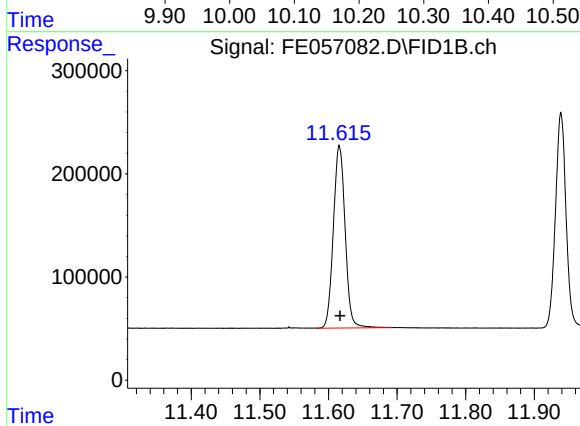
#6 n-Tetradecane (C14)

R.T.: 8.557 min
Delta R.T.: -0.001 min
Response: 2044223
Conc: 10.11 ug/ml



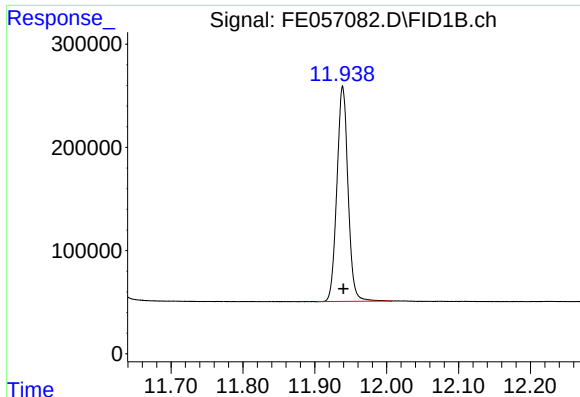
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 2080809
Conc: 10.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.000 min
Response: 2104056
Conc: 10.19 ug/ml



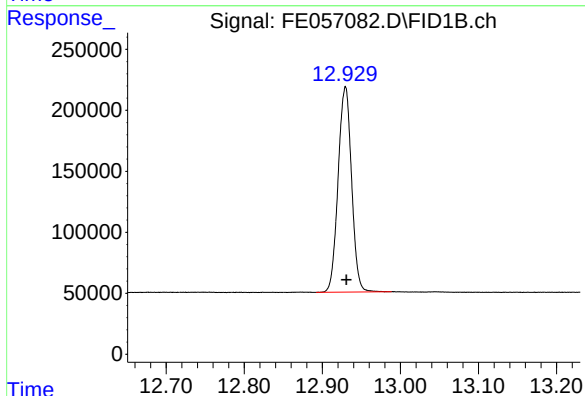
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 2243241
Conc: 10.23 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

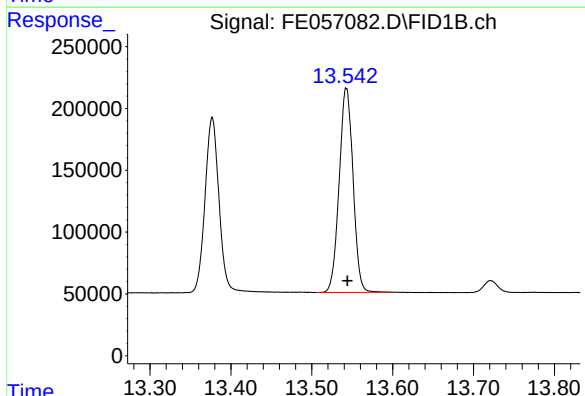
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



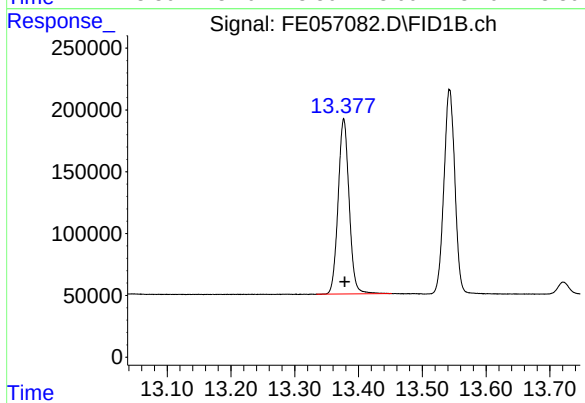
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: -0.001 min
Response: 2014364
Conc: 10.28 ug/ml



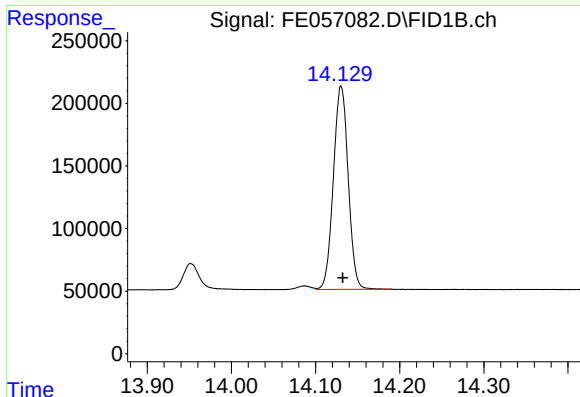
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: -0.001 min
Response: 1971948
Conc: 10.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.002 min
Response: 1697156
Conc: 10.15 ug/ml



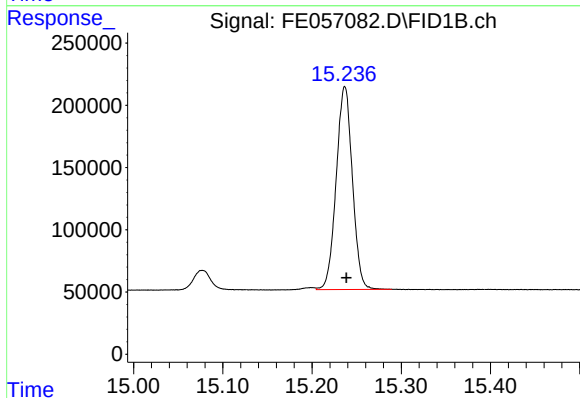
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.002 min
Response: 1990249
Conc: 10.53 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

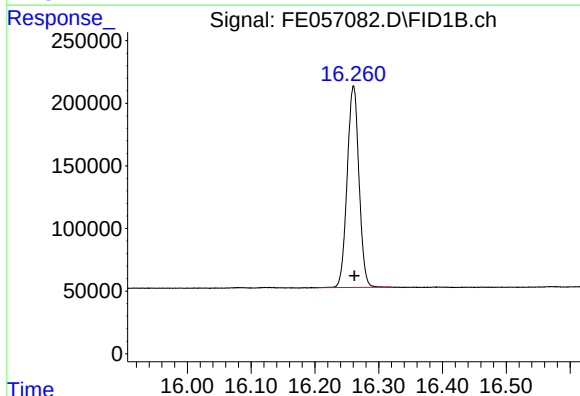
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



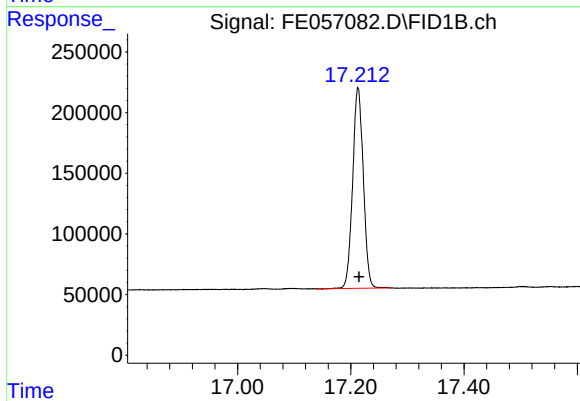
#14 n-Tetracosane (C24)

R.T.: 15.236 min
Delta R.T.: -0.002 min
Response: 2054842
Conc: 10.95 ug/ml m



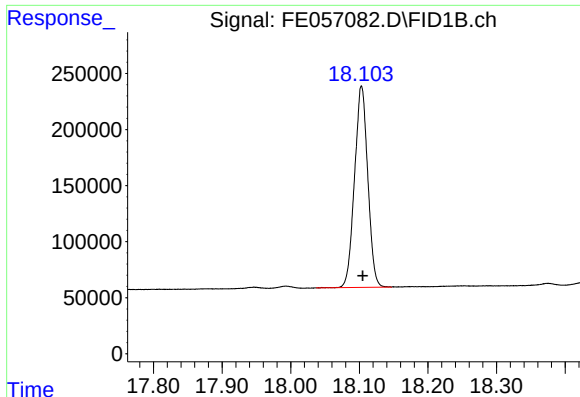
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: -0.001 min
Response: 2072343
Conc: 11.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: -0.002 min
Response: 2165384
Conc: 11.37 ug/ml



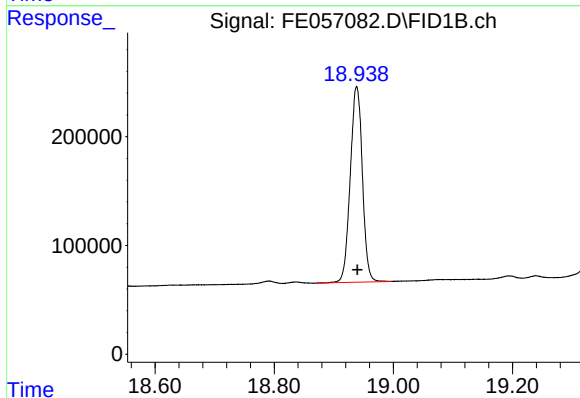
#17 n-Tricontane (C30)

R.T.: 18.103 min
Delta R.T.: -0.002 min
Response: 2404758
Conc: 11.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

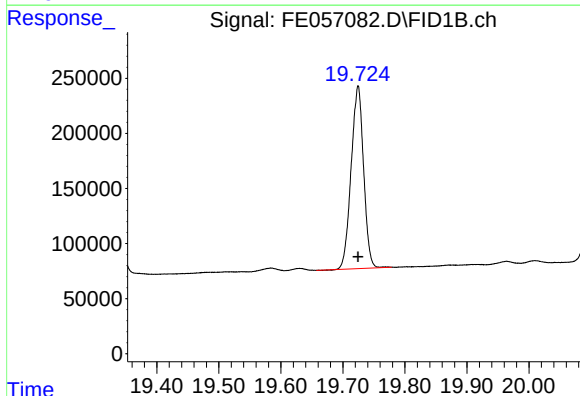
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



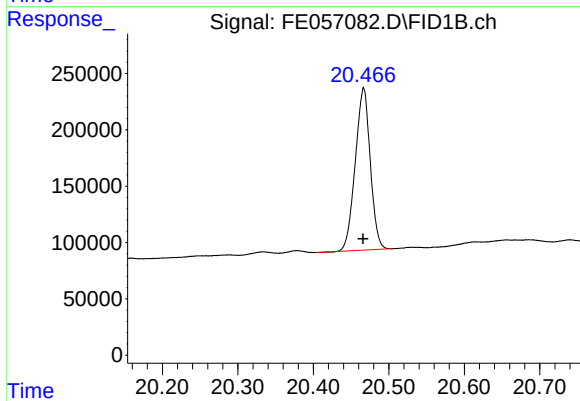
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: 0.000 min
Response: 2539245
Conc: 11.75 ug/ml



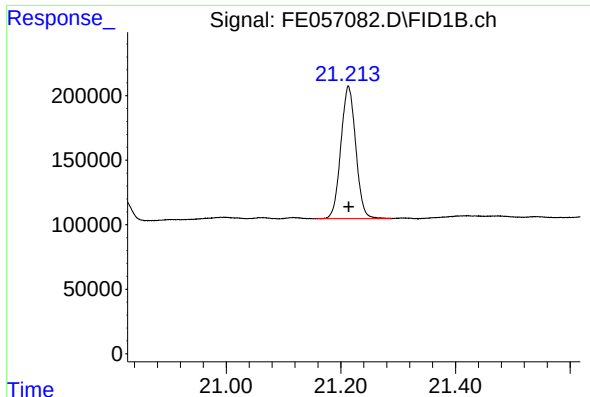
#19 n-Tetratriacontane (C34)

R.T.: 19.724 min
Delta R.T.: 0.000 min
Response: 2308751
Conc: 11.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.466 min
Delta R.T.: 0.000 min
Response: 1985844
Conc: 11.07 ug/ml



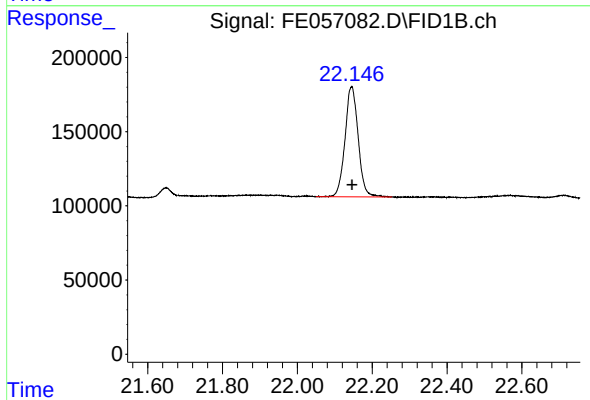
#21 n-Octatriacontane (C38)

R.T.: 21.213 min
Delta R.T.: 0.000 min
Response: 1848111
Conc: 10.96 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



#22 n-Tetracontane (C40)

R.T.: 22.145 min
Delta R.T.: -0.002 min
Response: 1819792
Conc: 11.07 ug/ml

rteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725
Data File : FE057082.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 13:47
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.259	3.375	BB	197822	1983051	78.10%	4.382%
2	4.551	4.522	4.629	BB	206106	2050159	80.74%	4.530%
3	6.269	6.240	6.412	BB	151764	1971799	77.65%	4.357%
4	6.723	6.692	6.789	BB	208895	2073086	81.64%	4.581%
5	7.369	7.334	7.507	BB	131190	1806626	71.15%	3.992%
6	8.557	8.519	8.644	BB	194679	2044223	80.51%	4.517%
7	10.169	10.134	10.250	BB	187330	2080809	81.95%	4.598%
8	11.616	11.582	11.692	BB	176797	2104056	82.86%	4.649%
9	11.939	11.902	12.007	BB	208331	2243241	88.34%	4.957%
10	12.929	12.892	12.989	BB	167932	2014364	79.33%	4.451%
11	13.377	13.334	13.452	BB	141989	1697156	66.84%	3.750%
12	13.543	13.505	13.599	BB	165634	1971948	77.66%	4.357%
13	14.130	14.101	14.190	VB	162459	1990249	78.38%	4.398%
14	15.237	15.154	15.300	BB	163403	2079824	81.91%	4.596%
15	16.260	16.202	16.320	BB	161194	2072343	81.61%	4.579%
16	17.213	17.139	17.272	BB	165670	2165384	85.28%	4.785%
17	18.103	18.037	18.147	BB	179420	2404758	94.70%	5.314%
18	18.939	18.870	18.997	BB	179844	2539245	100.00%	5.611%
19	19.724	19.657	19.779	BB	166128	2308751	90.92%	5.102%
20	20.466	20.404	20.504	BV	144421	1985844	78.21%	4.388%
21	21.213	21.157	21.289	BB	102687	1848111	72.78%	4.084%
22	22.145	22.050	22.252	BB	74197	1819792	71.67%	4.021%
Sum of corrected areas:						45254817		

Aliphatic EPH 112725.M Mon Dec 01 08:17:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057083.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:17
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
 Quant Time: Dec 01 07:58:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 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)	11.939	1038398	4.735 ug/ml
Spiked Amount 50.000		Recovery =	9.47%
12) S 1-chlorooctadecane (S...	13.377	771091	4.614 ug/ml
Spiked Amount 50.000		Recovery =	9.23%
Target Compounds			
1) T n-Nonane (C9)	3.299	900657	4.603 ug/ml
2) T n-Decane (C10)	4.551	928798	4.568 ug/ml
3) T A~Naphthalene (C11.7)	6.273	814593	3.969 ug/ml
4) T n-Dodecane (C12)	6.723	938886	4.582 ug/ml
5) T A~2-methylnaphthalene...	7.371	829106	4.287 ug/mlm
6) T n-Tetradecane (C14)	8.556	924679	4.574 ug/ml
7) T n-Hexadecane (C16)	10.168	945230	4.588 ug/ml
8) T n-Octadecane (C18)	11.616	967972	4.688 ug/ml
10) T n-Eicosane (C20)	12.929	945937	4.828 ug/ml
11) T n-Heneicosane (C21)	13.542	922840	4.818 ug/ml
13) T n-Docosane (C22)	14.130	961709	5.086 ug/ml
14) T n-Tetracosane (C24)	15.235	1065602	5.679 ug/mlm
15) T n-Hexacosane (C26)	16.260	1098380	5.904 ug/ml
16) T n-Octacosane (C28)	17.213	1217921	6.392 ug/ml
17) T n-Tricontane (C30)	18.102	1420246	6.815 ug/ml
18) T n-Dotriacontane (C32)	18.937	1563348	7.234 ug/ml
19) T n-Tetratriacontane (C34)	19.723	1360125	6.706 ug/ml
20) T n-Hexatriacontane (C36)	20.464	1116001	6.222 ug/ml
21) T n-Octatriacontane (C38)	21.211	963463	5.714 ug/ml
22) T n-Tetracontane (C40)	22.142	871697	5.301 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057083.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 14:17
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 55 Sample Multiplier: 1

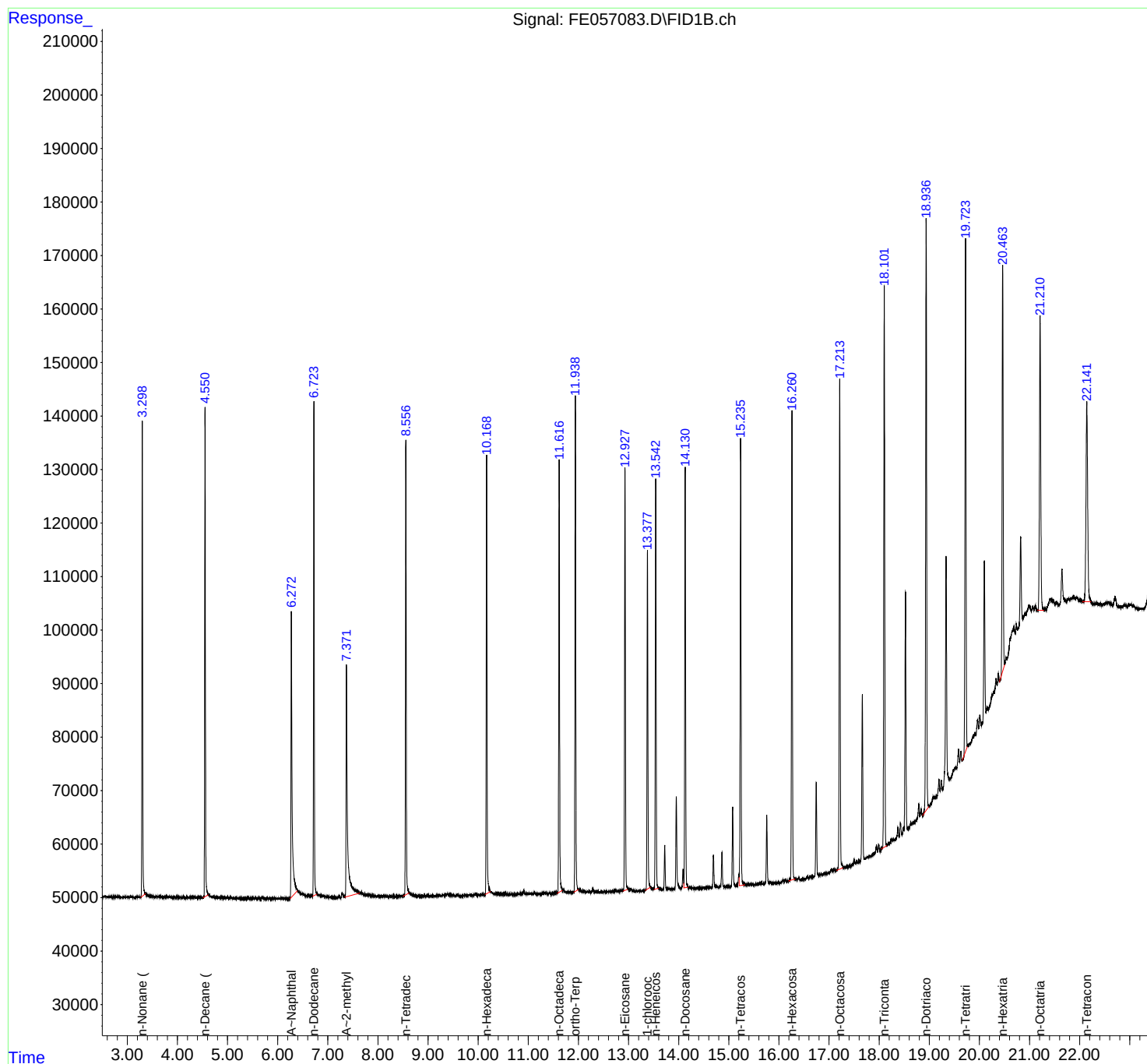
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

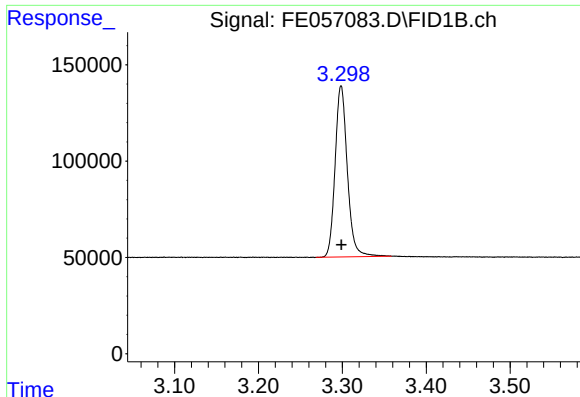
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
Quant Time: Dec 01 07:58:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





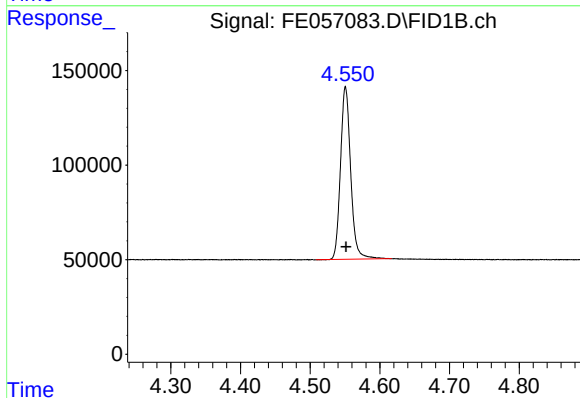
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 900657
Conc: 4.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

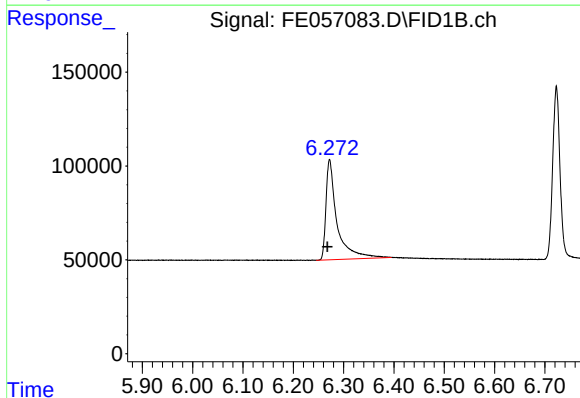
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



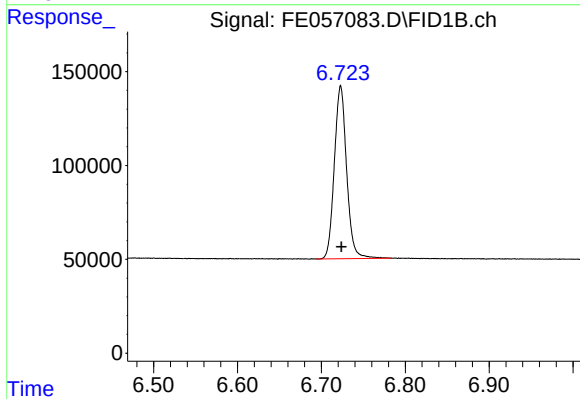
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 928798
Conc: 4.57 ug/ml



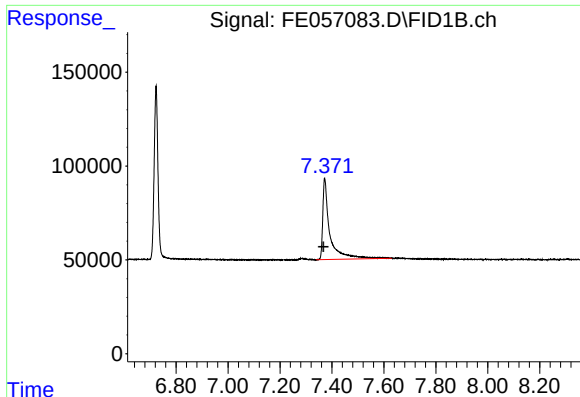
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: 0.005 min
Response: 814593
Conc: 3.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.723 min
Delta R.T.: -0.001 min
Response: 938886
Conc: 4.58 ug/ml



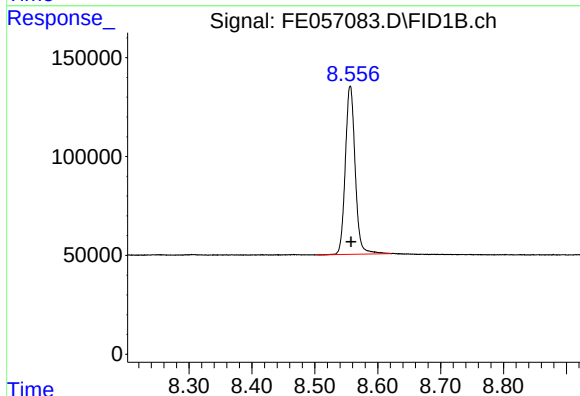
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.004 min
Response: 829106
Conc: 4.29 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

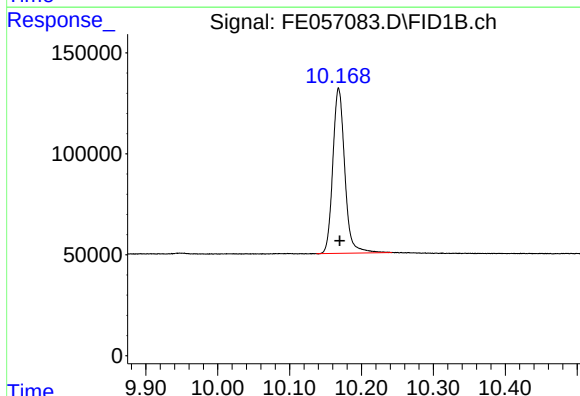
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



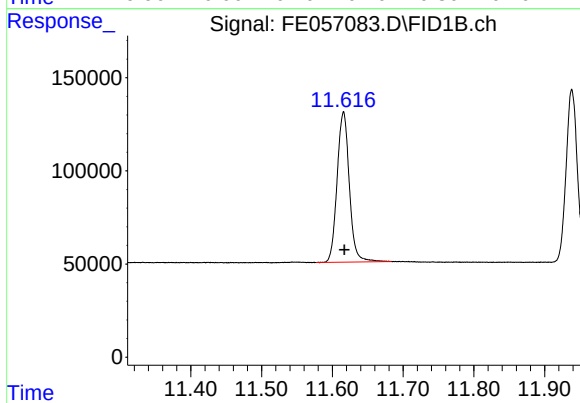
#6 n-Tetradecane (C14)

R.T.: 8.556 min
Delta R.T.: -0.001 min
Response: 924679
Conc: 4.57 ug/ml



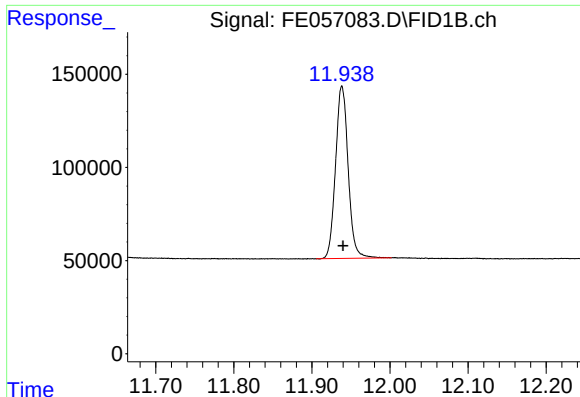
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: -0.001 min
Response: 945230
Conc: 4.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.001 min
Response: 967972
Conc: 4.69 ug/ml



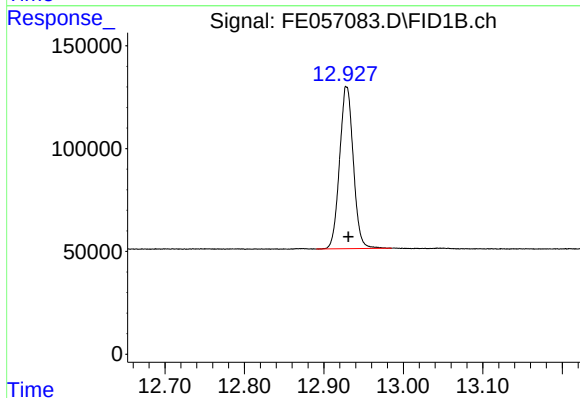
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: -0.001 min
Response: 1038398
Conc: 4.73 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

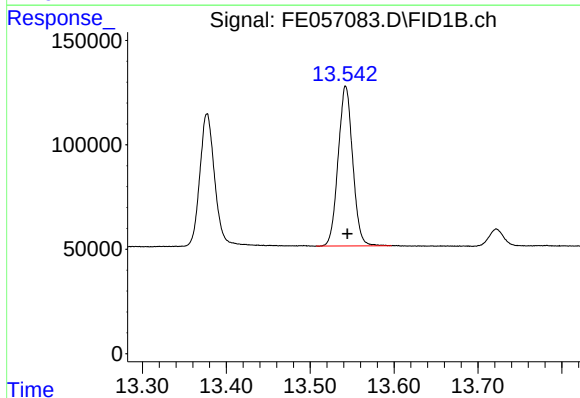
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



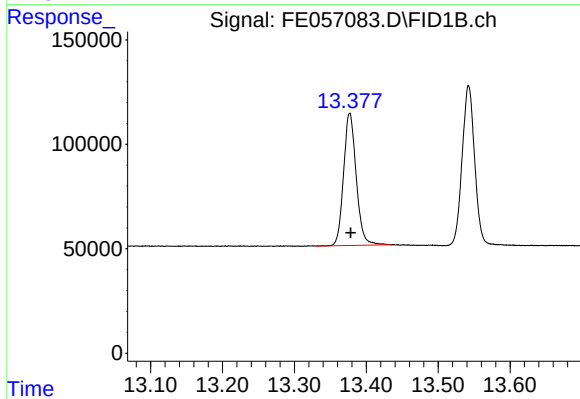
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: -0.002 min
Response: 945937
Conc: 4.83 ug/ml



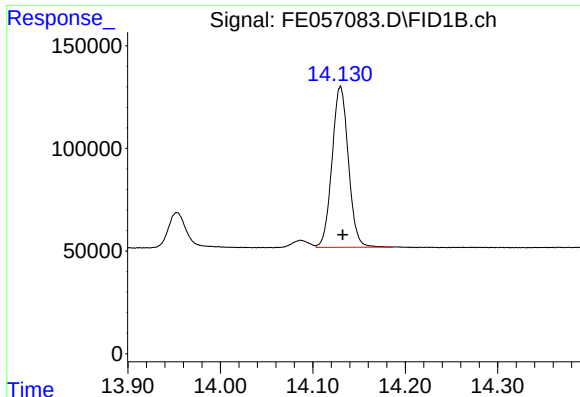
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.002 min
Response: 922840
Conc: 4.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.001 min
Response: 771091
Conc: 4.61 ug/ml



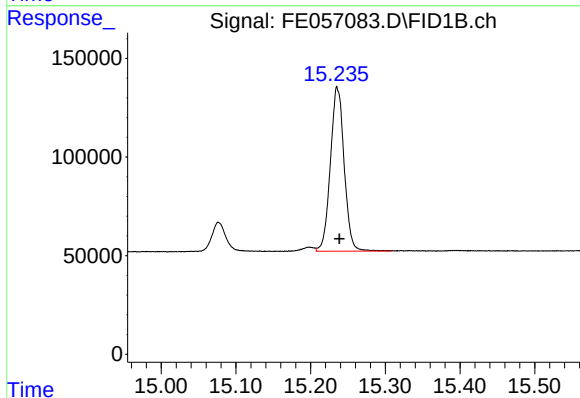
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.002 min
Response: 961709
Conc: 5.09 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

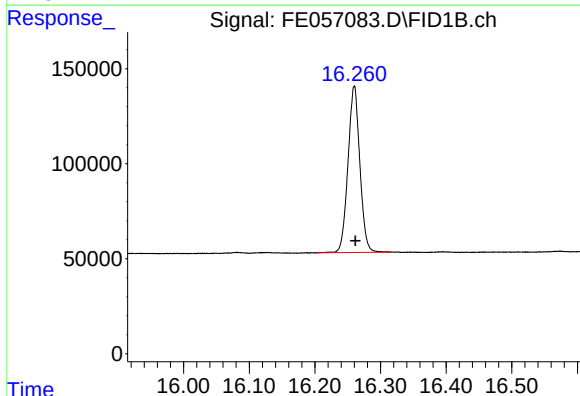
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



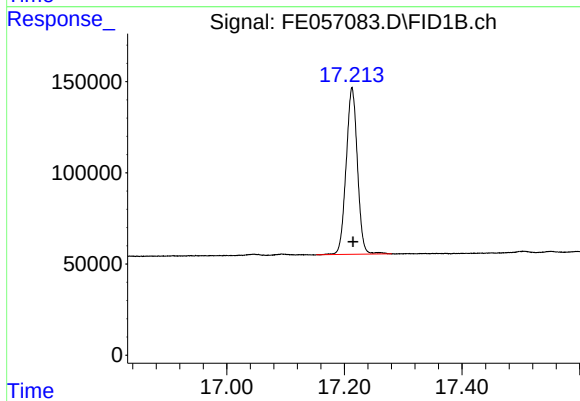
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: -0.004 min
Response: 1065602
Conc: 5.68 ug/ml m



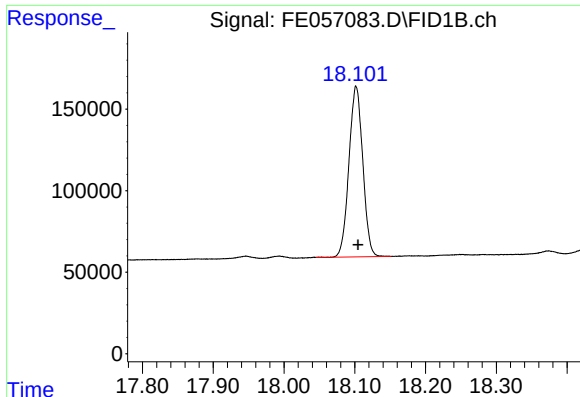
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: -0.002 min
Response: 1098380
Conc: 5.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: -0.001 min
Response: 1217921
Conc: 6.39 ug/ml



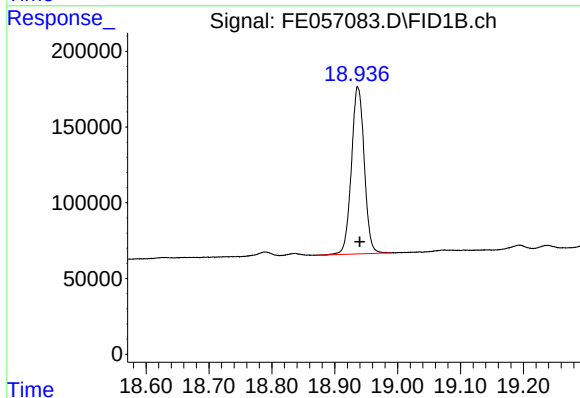
#17 n-Tricontane (C30)

R.T.: 18.102 min
Delta R.T.: -0.003 min
Response: 1420246
Conc: 6.82 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

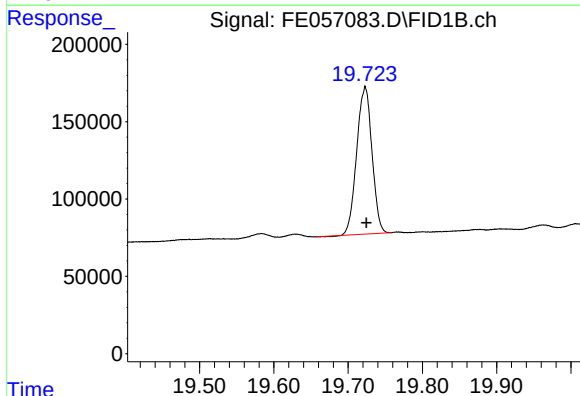
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



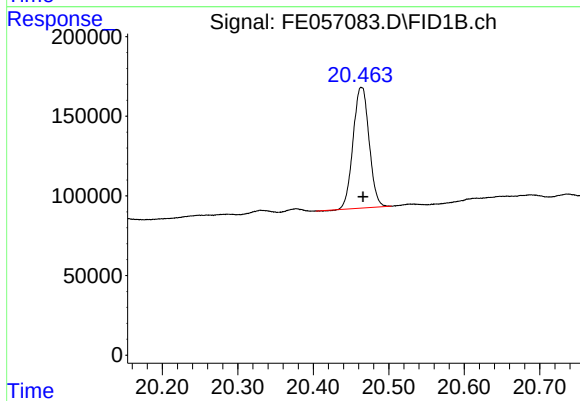
#18 n-Dotriacontane (C32)

R.T.: 18.937 min
Delta R.T.: -0.003 min
Response: 1563348
Conc: 7.23 ug/ml



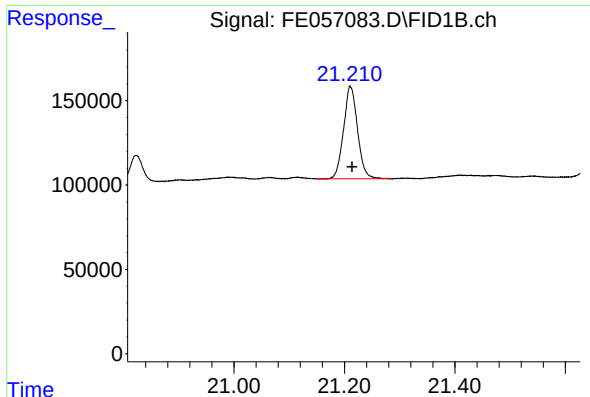
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.002 min
Response: 1360125
Conc: 6.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.002 min
Response: 1116001
Conc: 6.22 ug/ml



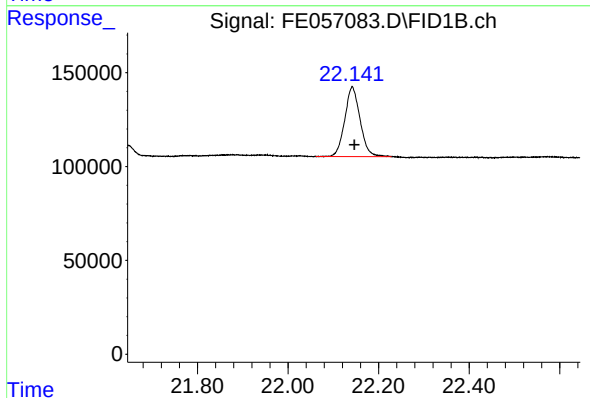
#21 n-Octatriacontane (C38)

R.T.: 21.211 min
Delta R.T.: -0.003 min
Response: 963463
Conc: 5.71 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



#22 n-Tetracontane (C40)

R.T.: 22.142 min
Delta R.T.: -0.005 min
Response: 871697
Conc: 5.30 ug/ml

rteres

Instrument :

FID_E

LabSampleId :

5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 12/01/2025

Supervised By :mohammad ahmed 12/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11272
Data File : FE057083.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 14:17
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.269	3.359	BB	88887	900657	57.61%	4.016%
2	4.551	4.509	4.617	BB	91290	928798	59.41%	4.142%
3	6.273	6.245	6.395	BB	53369	814593	52.11%	3.633%
4	6.723	6.694	6.784	BB	92191	938886	60.06%	4.187%
5	7.373	7.260	7.482	BB	42312	672280	43.00%	2.998%
6	8.556	8.502	8.622	BB	85226	924679	59.15%	4.124%
7	10.168	10.137	10.242	BB	81707	945230	60.46%	4.215%
8	11.616	11.577	11.684	BB	80663	967972	61.92%	4.317%
9	11.939	11.905	12.002	BB	92449	1038398	66.42%	4.631%
10	12.929	12.890	12.985	BB	78560	945937	60.51%	4.218%
11	13.377	13.330	13.435	BB	63228	771091	49.32%	3.439%
12	13.542	13.507	13.597	BB	76654	922840	59.03%	4.115%
13	14.130	14.104	14.185	VB	78446	961709	61.52%	4.289%
14	15.236	15.154	15.292	BB	82871	1079765	69.07%	4.815%
15	16.260	16.202	16.317	BB	87817	1098380	70.26%	4.898%
16	17.213	17.152	17.280	BB	91448	1217921	77.90%	5.431%
17	18.102	18.045	18.152	BB	104627	1420246	90.85%	6.334%
18	18.937	18.870	18.990	BB	109861	1563348	100.00%	6.972%
19	19.723	19.657	19.759	BB	94733	1360125	87.00%	6.065%
20	20.464	20.404	20.504	BV	75784	1116001	71.39%	4.977%
21	21.211	21.149	21.285	BB	54820	963463	61.63%	4.297%
22	22.142	22.062	22.229	BB	37362	871697	55.76%	3.887%
Sum of corrected areas:						22424015		

Aliphatic EPH 112725.M Mon Dec 01 08:17:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057084.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: sample.E
 Quant Time: Dec 01 08:06:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 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)	11.940	5099681	23.239 ug/ml
Spiked Amount 50.000		Recovery =	46.48%
12) S 1-chlorooctadecane (S...	13.378	3884091	23.338 ug/ml
Spiked Amount 50.000		Recovery =	46.68%
Target Compounds			
1) T n-Nonane (C9)	3.299	4547628	23.248 ug/ml
2) T n-Decane (C10)	4.552	4728427	23.378 ug/ml
3) T A~Naphthalene (C11.7)	6.268	4804447	23.864 ug/ml
4) T n-Dodecane (C12)	6.724	4757673	23.311 ug/ml
5) T A~2-methylnaphthalene...	7.367	4533213	23.592 ug/ml
6) T n-Tetradecane (C14)	8.558	4692823	23.315 ug/ml
7) T n-Hexadecane (C16)	10.170	4784266	23.329 ug/ml
8) T n-Octadecane (C18)	11.618	4796645	23.272 ug/ml
10) T n-Eicosane (C20)	12.930	4547471	23.118 ug/ml
11) T n-Heneicosane (C21)	13.544	4450332	23.164 ug/ml
13) T n-Docosane (C22)	14.132	4409790	22.844 ug/ml
14) T n-Tetracosane (C24)	15.238	4363323	22.031 ug/ml
15) T n-Hexacosane (C26)	16.262	4318228	21.766 ug/ml
16) T n-Octacosane (C28)	17.215	4432726	21.570 ug/ml
17) T n-Tricontane (C30)	18.105	4863172	21.669 ug/ml
18) T n-Dotriacontane (C32)	18.940	5061365	21.682 ug/ml
19) T n-Tetratriacontane (C34)	19.725	4752442	22.251 ug/ml
20) T n-Hexatriacontane (C36)	20.467	4183880	22.478 ug/ml
21) T n-Octatriacontane (C38)	21.213	3882468	22.402 ug/ml
22) T n-Tetracontane (C40)	22.145	3786420	22.469 ug/ml

(f)=RT Delta > 1/2 Window

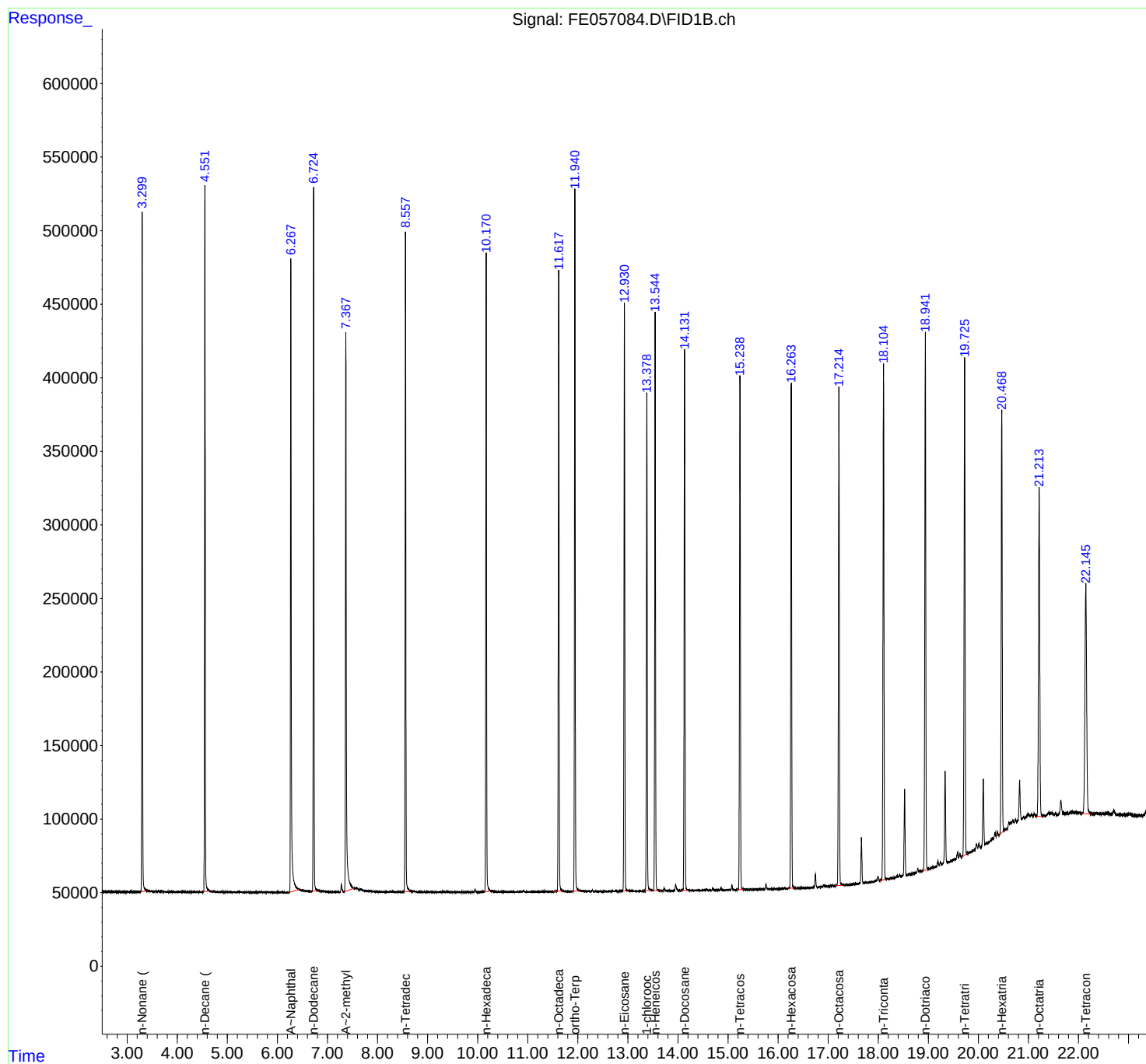
(m)=manual int.

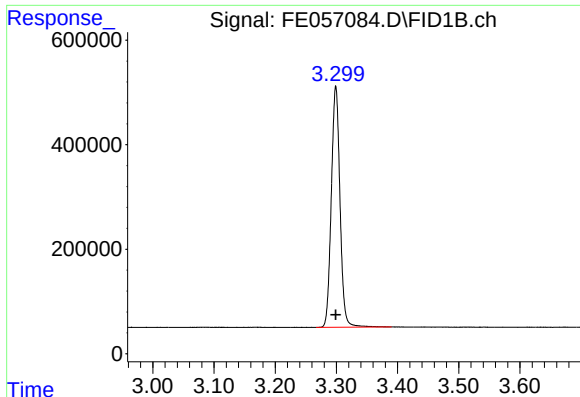
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057084.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 14:47
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: sample.E
Quant Time: Dec 01 08:06:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

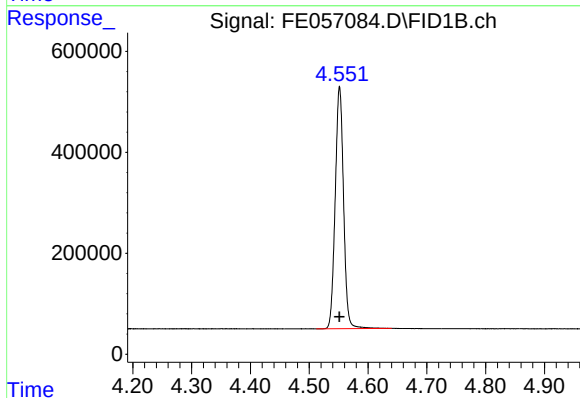




#1 n-Nonane (C9)

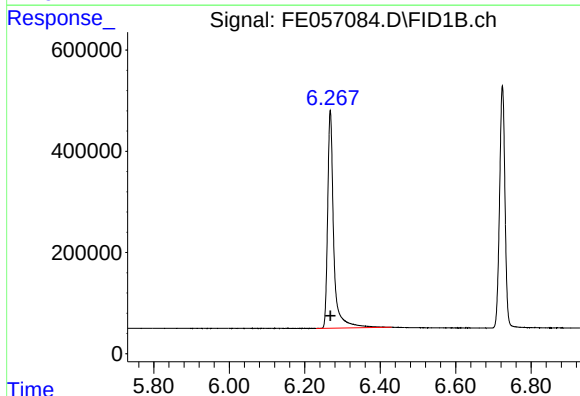
R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 4547628
Conc: 23.25 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



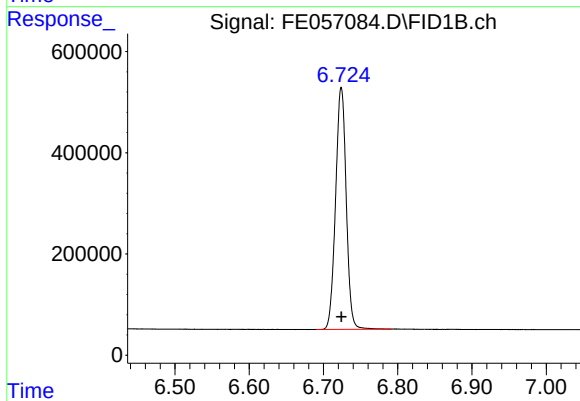
#2 n-Decane (C10)

R.T.: 4.552 min
Delta R.T.: 0.000 min
Response: 4728427
Conc: 23.38 ug/ml



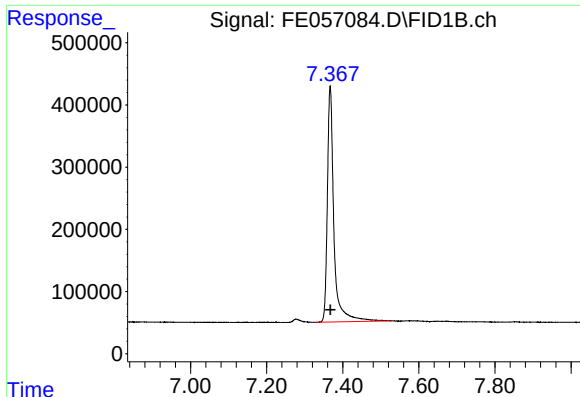
#3 A~Naphthalene (C11.7)

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 4804447
Conc: 23.86 ug/ml



#4 n-Dodecane (C12)

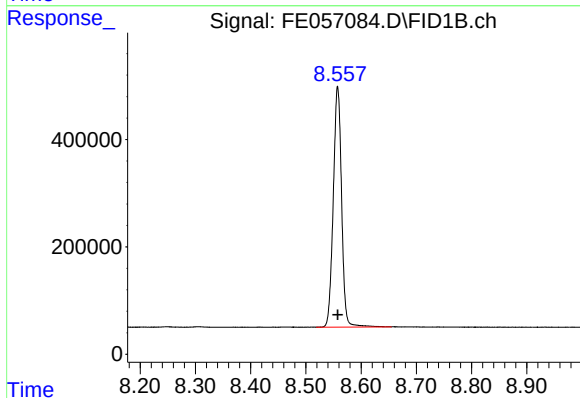
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 4757673
Conc: 23.31 ug/ml



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

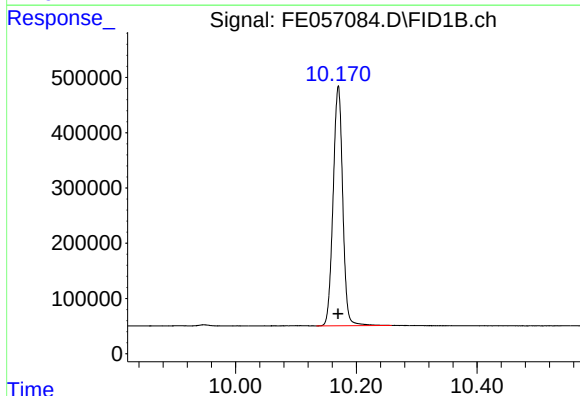
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 4533213
Conc: 23.59 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



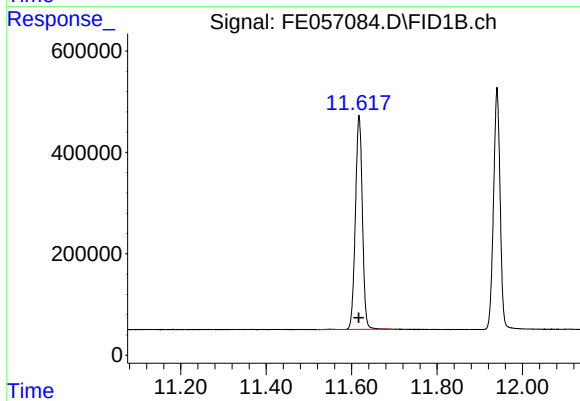
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.000 min
Response: 4692823
Conc: 23.31 ug/ml



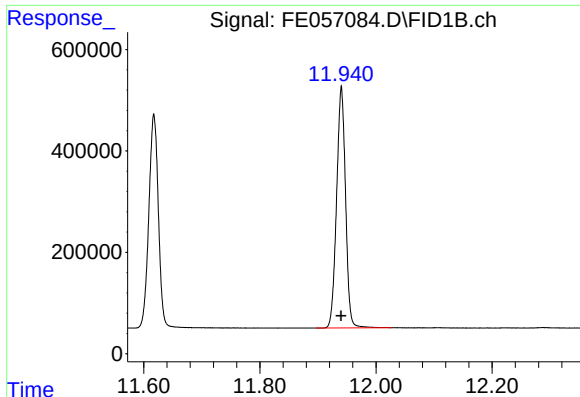
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 4784266
Conc: 23.33 ug/ml



#8 n-Octadecane (C18)

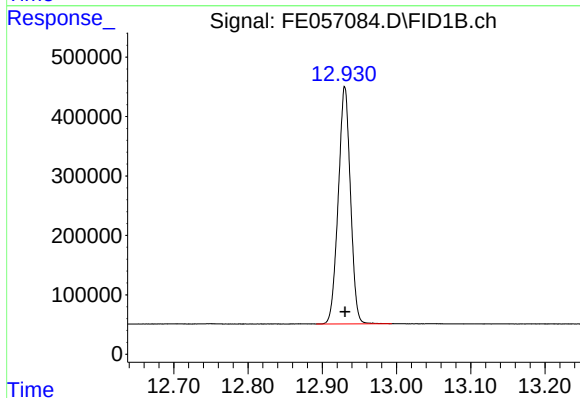
R.T.: 11.618 min
Delta R.T.: 0.000 min
Response: 4796645
Conc: 23.27 ug/ml



#9 ortho-Terphenyl (SURR)

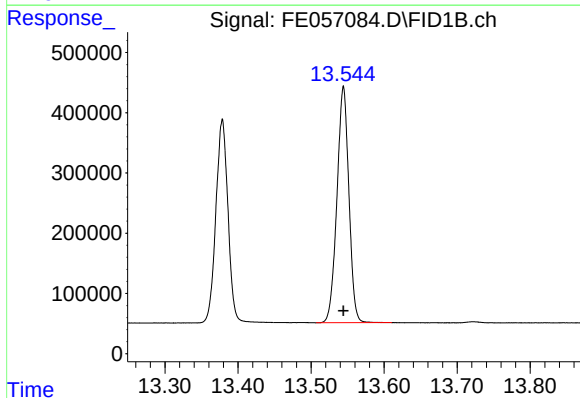
R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 5099681
Conc: 23.24 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



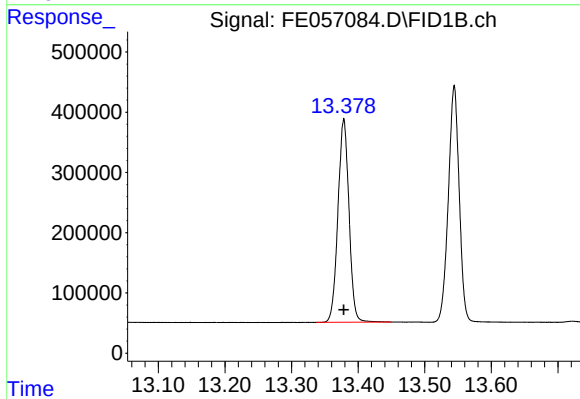
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: 0.000 min
Response: 4547471
Conc: 23.12 ug/ml



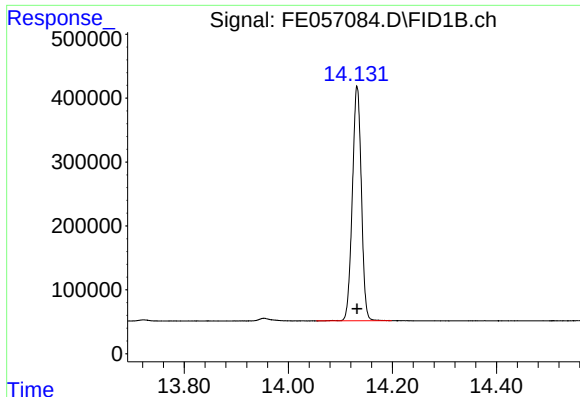
#11 n-Heneicosane (C21)

R.T.: 13.544 min
Delta R.T.: 0.000 min
Response: 4450332
Conc: 23.16 ug/ml



#12 1-chlorooctadecane (SURR)

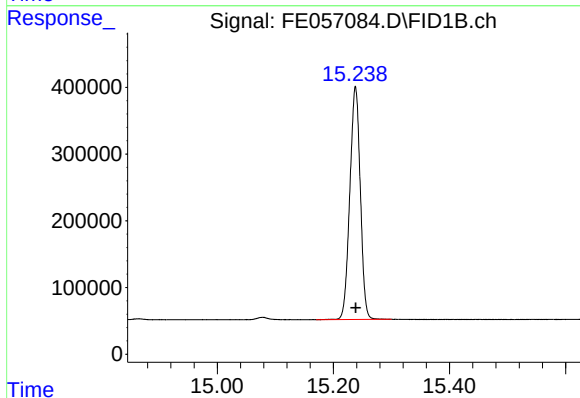
R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3884091
Conc: 23.34 ug/ml



#13 n-Docosane (C22)

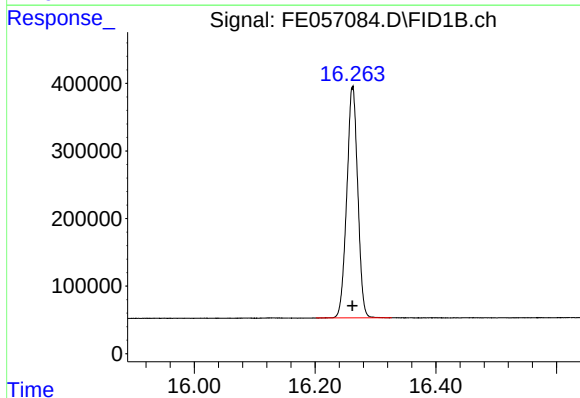
R.T.: 14.132 min
Delta R.T.: 0.000 min
Response: 4409790
Conc: 22.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



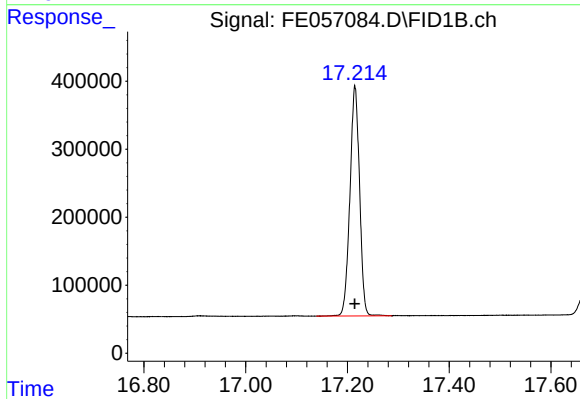
#14 n-Tetracosane (C24)

R.T.: 15.238 min
Delta R.T.: 0.000 min
Response: 4363323
Conc: 22.03 ug/ml



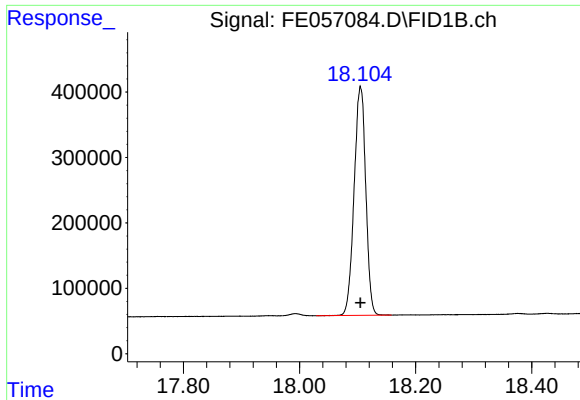
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: 0.000 min
Response: 4318228
Conc: 21.77 ug/ml



#16 n-Octacosane (C28)

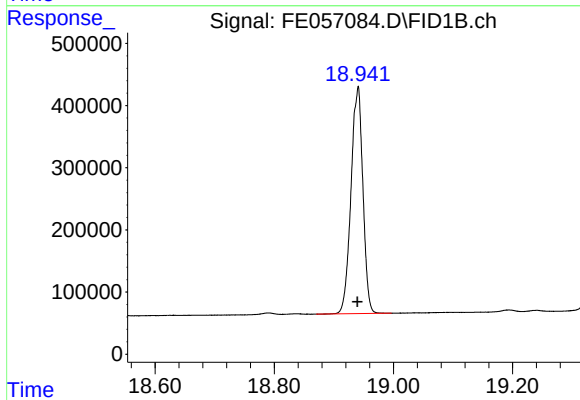
R.T.: 17.215 min
Delta R.T.: 0.000 min
Response: 4432726
Conc: 21.57 ug/ml



#17 n-Tricontane (C30)

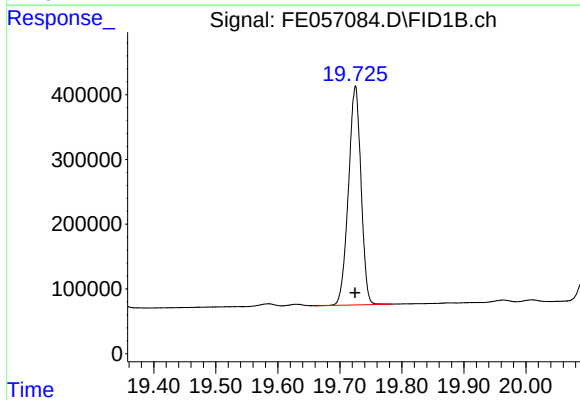
R.T.: 18.105 min
Delta R.T.: 0.000 min
Response: 4863172
Conc: 21.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



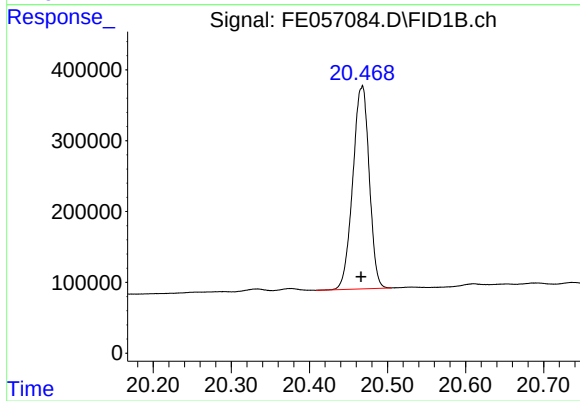
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: 0.000 min
Response: 5061365
Conc: 21.68 ug/ml



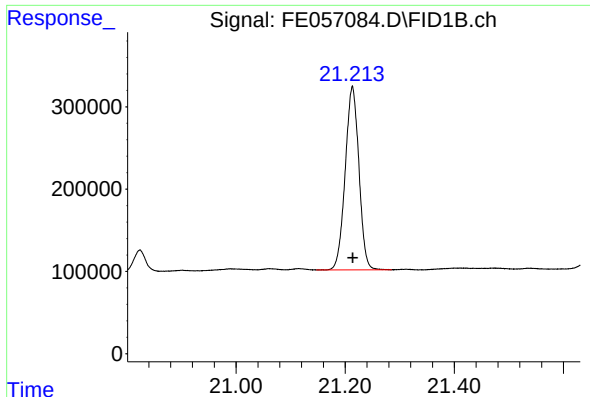
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: 0.000 min
Response: 4752442
Conc: 22.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.467 min
Delta R.T.: 0.001 min
Response: 4183880
Conc: 22.48 ug/ml



#21 n-Octatriacontane (C38)

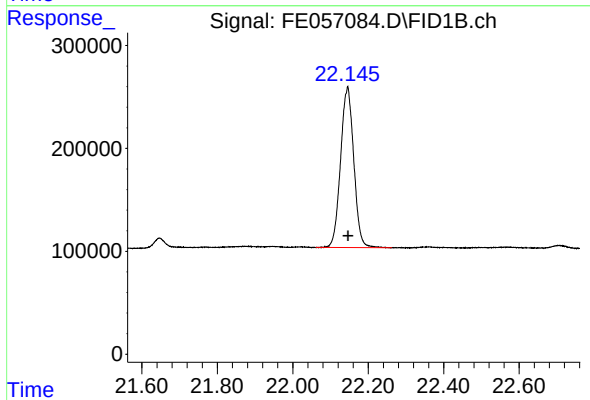
R.T.: 21.213 min
Delta R.T.: 0.000 min
Response: 3882468
Conc: 22.40 ug/ml

Instrument :

FID_E

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.145 min
Delta R.T.: -0.001 min
Response: 3786420
Conc: 22.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057084.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:47
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.267	3.390	BB	461650	4547628	89.17%	4.562%
2	4.552	4.512	4.640	BB	479581	4728427	92.72%	4.744%
3	6.268	6.230	6.430	BB	428696	4804447	94.21%	4.820%
4	6.724	6.690	6.792	BB	478611	4757673	93.29%	4.773%
5	7.367	7.330	7.529	BB	379327	4533213	88.89%	4.548%
6	8.558	8.519	8.655	BB	448724	4692823	92.02%	4.708%
7	10.170	10.134	10.259	BB	435195	4784266	93.82%	4.800%
8	11.618	11.517	11.694	BB	421395	4796645	94.06%	4.812%
9	11.940	11.897	12.027	BB	475665	5099681	100.00%	5.116%
10	12.930	12.892	12.994	BB	399923	4547471	89.17%	4.562%
11	13.378	13.337	13.450	BB	337458	3884091	76.16%	3.897%
12	13.544	13.507	13.610	BB	391382	4450332	87.27%	4.465%
13	14.132	14.054	14.199	BB	367061	4409790	86.47%	4.424%
14	15.238	15.170	15.300	BB	348906	4363323	85.56%	4.377%
15	16.262	16.202	16.327	BB	340063	4318228	84.68%	4.332%
16	17.215	17.139	17.287	BB	337350	4432726	86.92%	4.447%
17	18.105	18.029	18.159	BB	349583	4863172	95.36%	4.879%
18	18.940	18.870	18.997	BB	363373	5061365	99.25%	5.078%
19	19.725	19.662	19.784	BB	338929	4752442	93.19%	4.768%
20	20.467	20.409	20.505	BV	284363	4183880	82.04%	4.197%
21	21.213	21.147	21.285	BB	223728	3882468	76.13%	3.895%
22	22.145	22.062	22.262	BB	156679	3786420	74.25%	3.799%
Sum of corrected areas:							99680508	

Aliphatic EPH 112725.M Mon Dec 01 08:18:10 2025