

Initial Calibration Report for SequenceID : FE092425AL

AreaCount

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	37542791.000	22892697.000	8462672.000	4191009.000	2124515.000	
Aliphatic C12-C16	28448375.000	15981763.000	6036724.000	3116285.000	1580906.000	
Aliphatic C16-C21	47319022.000	24326712.000	9480340.000	5176882.000	2683832.000	
Aliphatic C21-C28	56499296.000	28330990.000	11268637.000	6189034.000	3282975.000	
Aliphatic C28-C40	72708634.000	38000593.000	15509370.000	8760386.000	4744762.000	
Aliphatic EPH	242518118.000	129532755.000	50757743.000	27433596.000	14416990.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	140027.9566664	6.995				
Aliphatic C12-C16	153376.491	4.607				
Aliphatic C16-C21	165879.737333	5.694				
Aliphatic C21-C28	148527.1505	7.073				
Aliphatic C28-C40	136251.923333	11.27				
Aliphatic EPH	146449.7892216	6.809				

Concentration

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.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	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	125142.636666	152617.980000	141044.533333	139700.300000	141634.333333	
Aliphatic C12-C16	142241.875000	159817.630000	150918.100000	155814.250000	158090.600000	
Aliphatic C16-C21	157730.073333	162178.080000	158005.666666	172562.733333	178922.133333	

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Aliphatic C21-C28	141248.240000	141654.950000	140857.962500	154725.850000	164148.750000	
Aliphatic C28-C40	121181.056666	126668.643333	129244.750000	146006.433333	158158.733333	
Aliphatic EPH	134732.287777	143925.283333	140993.730555	152408.866666	160188.777777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055962.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:07
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Sep 24 11:03:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 11:00:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	17950450	100.309 ug/ml
Spiked Amount 50.000		Recovery =	200.62%
12) S 1-chlorooctadecane (S...	13.517	13586232	101.305 ug/ml
Spiked Amount 50.000		Recovery =	202.61%
Target Compounds			
1) T n-Nonane (C9)	3.411	12115570	93.377 ug/ml
2) T n-Decane (C10)	4.672	12431596	93.812 ug/ml
3) T A~Naphthalene (C11.7)	6.393	15093772	97.535 ug/ml
4) T n-Dodecane (C12)	6.849	12995625	94.848 ug/ml
5) T A~2-methylnaphthalene...	7.496	15025333	99.098 ug/ml
6) T n-Tetradecane (C14)	8.687	13579491	96.250 ug/ml
7) T n-Hexadecane (C16)	10.303	14868884	97.774 ug/ml
8) T n-Octadecane (C18)	11.755	15922809	98.959 ug/ml
10) T n-Eicosane (C20)	13.069	15819296	100.191 ug/ml
11) T n-Heneicosane (C21)	13.683	15576917	100.620 ug/ml
13) T n-Docosane (C22)	14.272	15366782	100.893 ug/ml
14) T n-Tetracosane (C24)	15.378	14649046	100.840 ug/ml
15) T n-Hexacosane (C26)	16.402	13607731	100.166 ug/ml
16) T n-Octacosane (C28)	17.355	12875737	98.451 ug/ml
17) T n-Tricontane (C30)	18.245	13054346	96.132 ug/ml
18) T n-Dotriacontane (C32)	19.079	12955482	94.902 ug/ml
19) T n-Tetratriacontane (C34)	19.864	12597203	95.888 ug/ml
20) T n-Hexatriacontane (C36)	20.607	11820206	97.397 ug/ml
21) T n-Octatriacontane (C38)	21.384	11503060	99.564 ug/ml
22) T n-Tetracontane (C40)	22.374	10778337	97.367 ug/ml

(f)=RT Delta > 1/2 Window

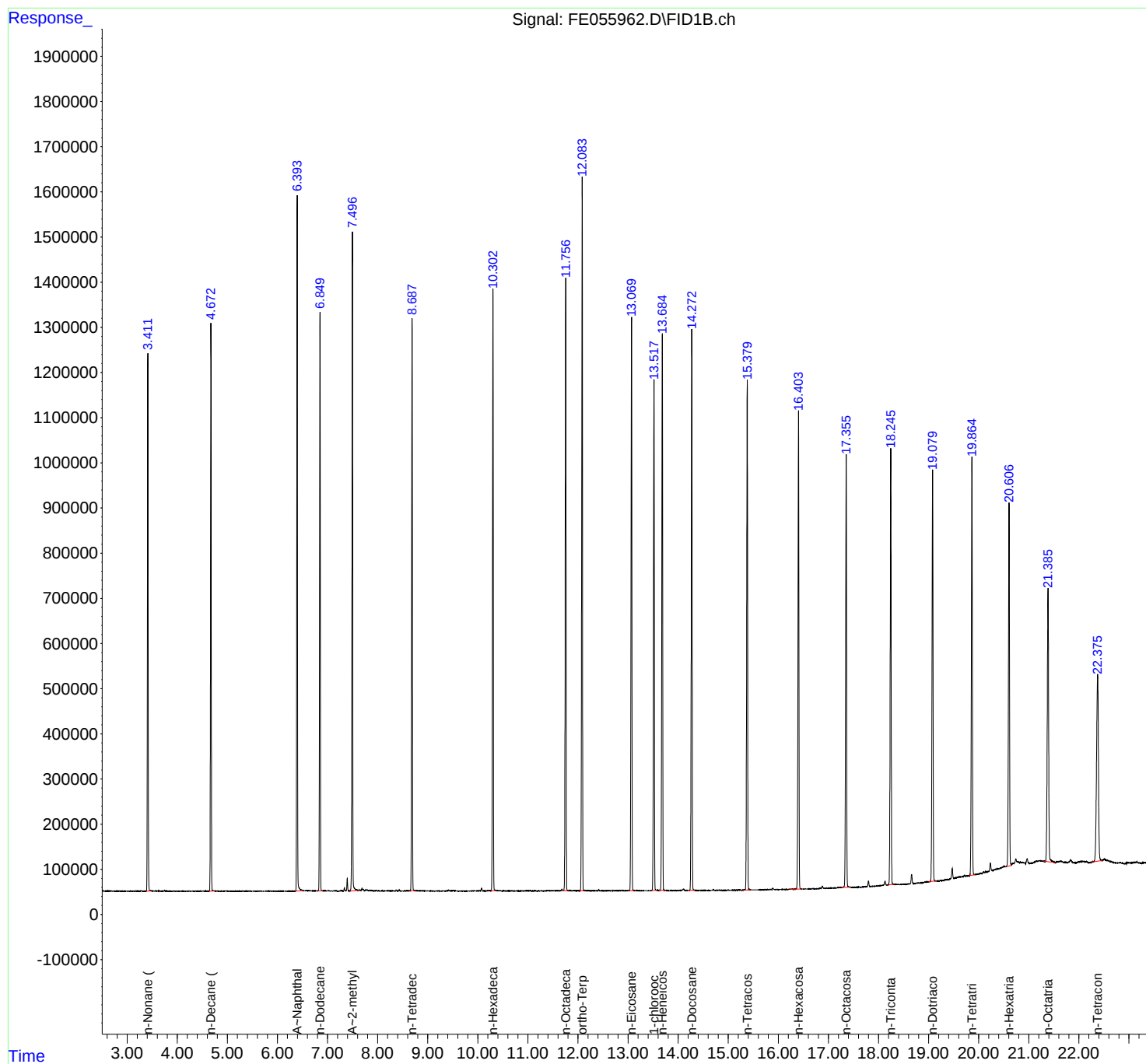
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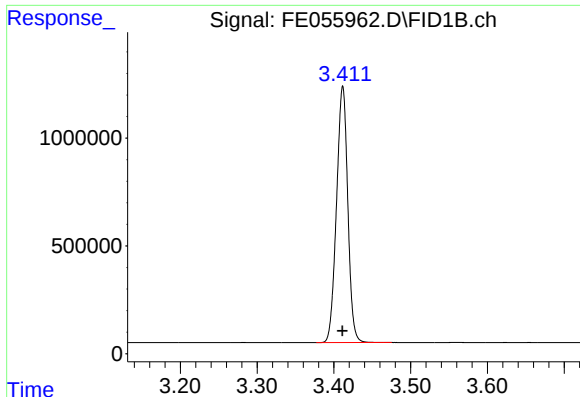
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Data File : FE055962.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 09:07
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 24 11:03:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 11:00:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

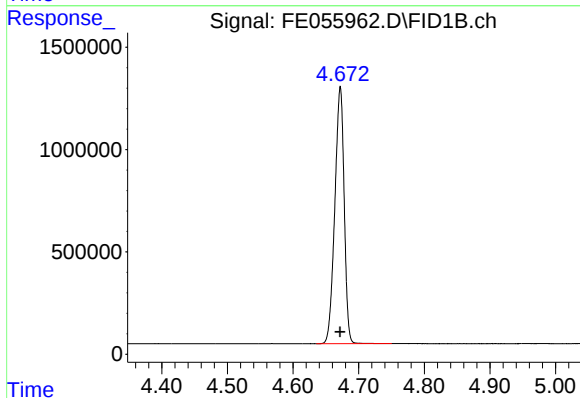




#1 n-Nonane (C9)

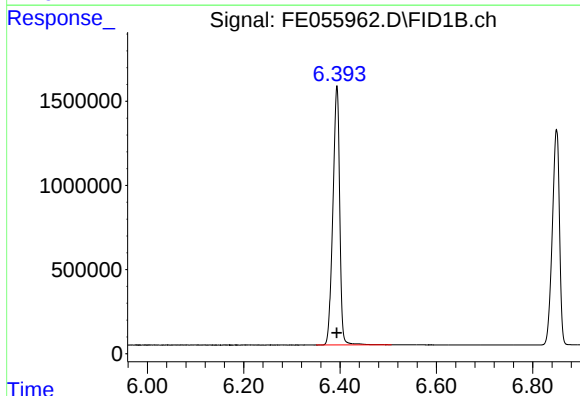
R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 12115570
Conc: 93.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



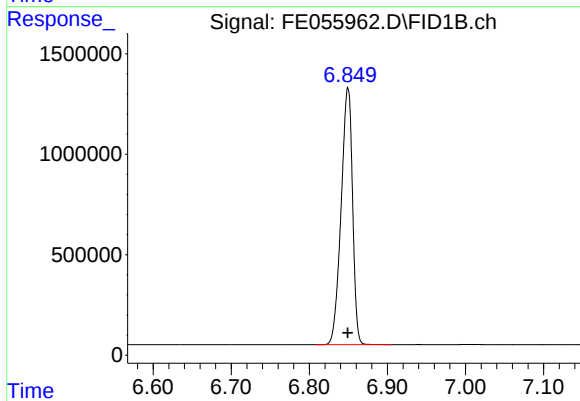
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 12431596
Conc: 93.81 ug/ml



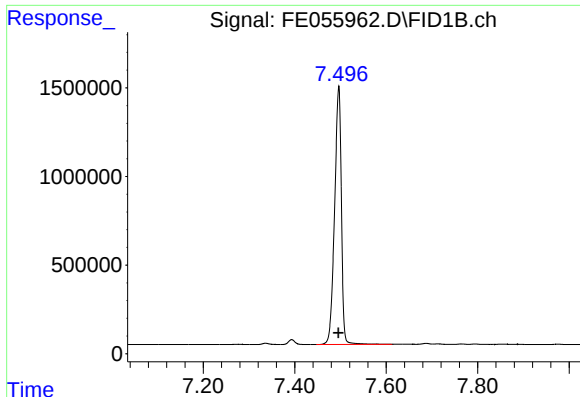
#3 A~Naphthalene (C11.7)

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 15093772
Conc: 97.54 ug/ml



#4 n-Dodecane (C12)

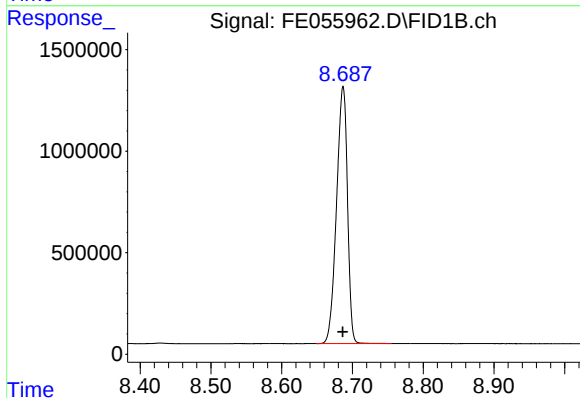
R.T.: 6.849 min
Delta R.T.: 0.000 min
Response: 12995625
Conc: 94.85 ug/ml



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

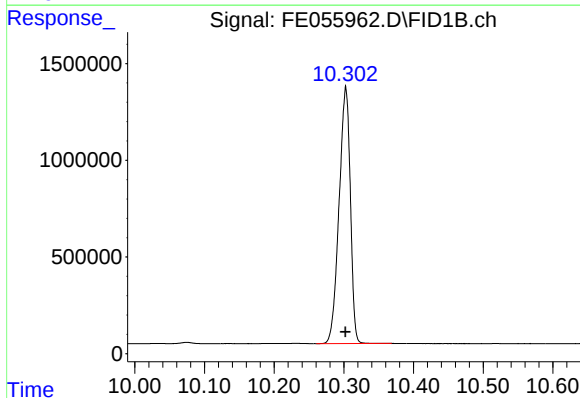
R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 15025333
Conc: 99.10 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



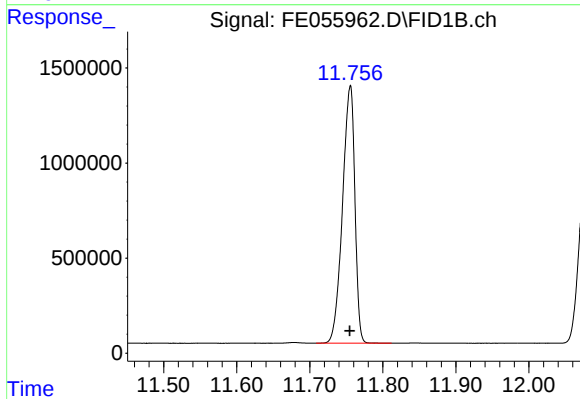
#6 n-Tetradecane (C14)

R.T.: 8.687 min
Delta R.T.: 0.000 min
Response: 13579491
Conc: 96.25 ug/ml



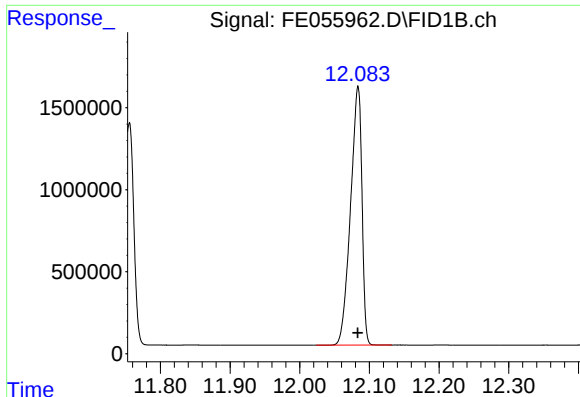
#7 n-Hexadecane (C16)

R.T.: 10.303 min
Delta R.T.: 0.000 min
Response: 14868884
Conc: 97.77 ug/ml



#8 n-Octadecane (C18)

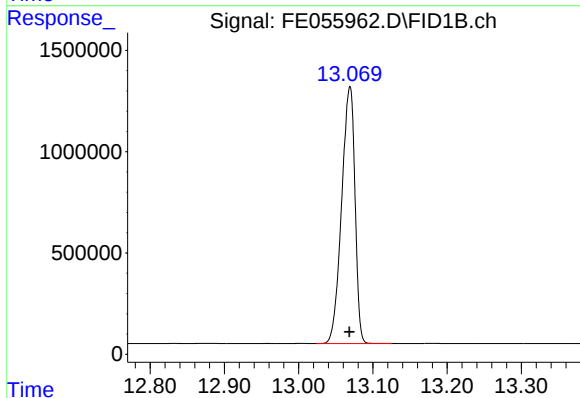
R.T.: 11.755 min
Delta R.T.: 0.000 min
Response: 15922809
Conc: 98.96 ug/ml



#9 ortho-Terphenyl (SURR)

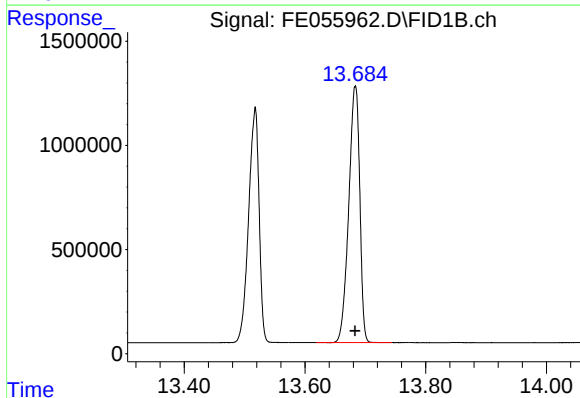
R.T.: 12.083 min
Delta R.T.: 0.000 min
Response: 17950450
Conc: 100.31 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



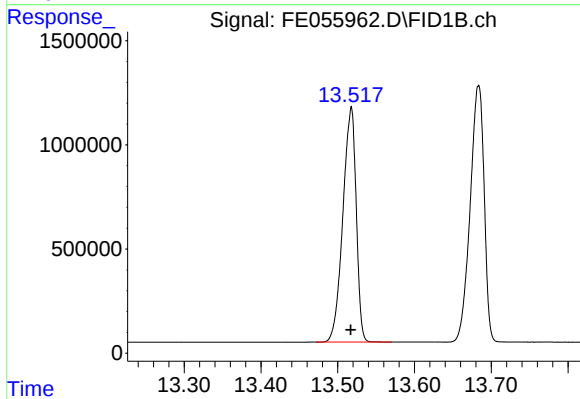
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: 0.000 min
Response: 15819296
Conc: 100.19 ug/ml



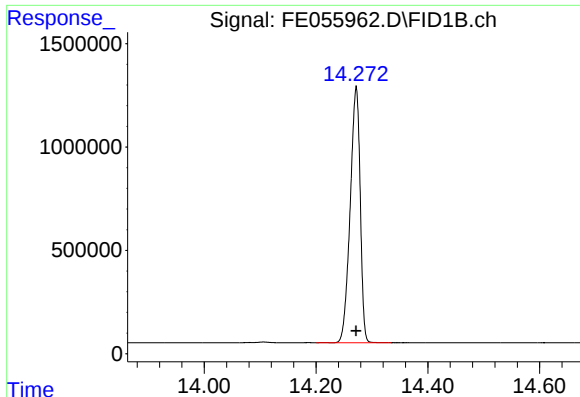
#11 n-Heneicosane (C21)

R.T.: 13.683 min
Delta R.T.: 0.000 min
Response: 15576917
Conc: 100.62 ug/ml



#12 1-chlorooctadecane (SURR)

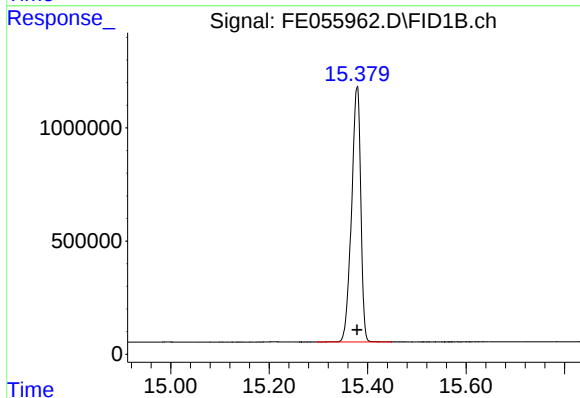
R.T.: 13.517 min
Delta R.T.: 0.000 min
Response: 13586232
Conc: 101.30 ug/ml



#13 n-Docosane (C22)

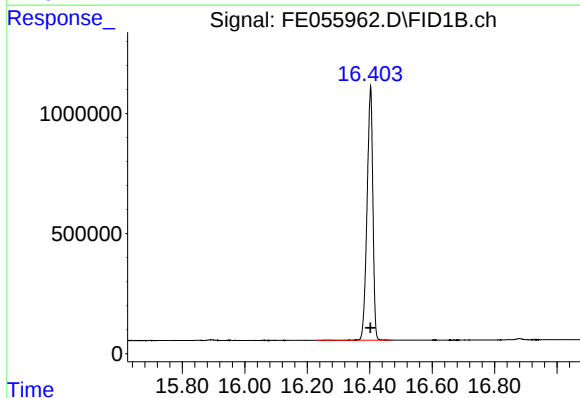
R.T.: 14.272 min
Delta R.T.: 0.000 min
Response: 15366782
Conc: 100.89 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



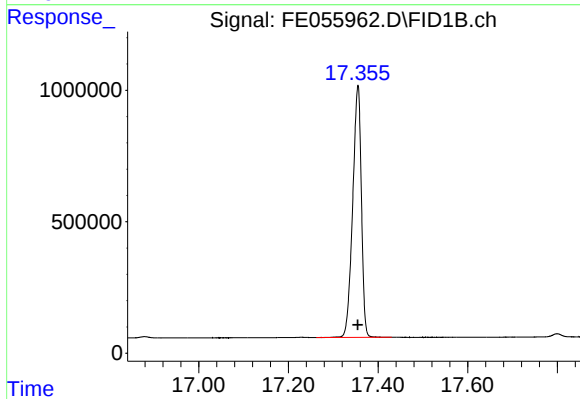
#14 n-Tetracosane (C24)

R.T.: 15.378 min
Delta R.T.: 0.000 min
Response: 14649046
Conc: 100.84 ug/ml



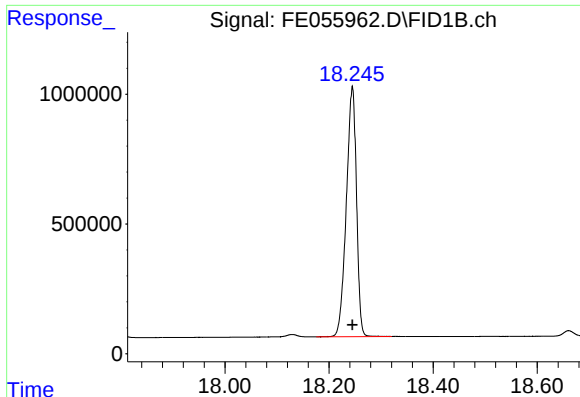
#15 n-Hexacosane (C26)

R.T.: 16.402 min
Delta R.T.: 0.000 min
Response: 13607731
Conc: 100.17 ug/ml



#16 n-Octacosane (C28)

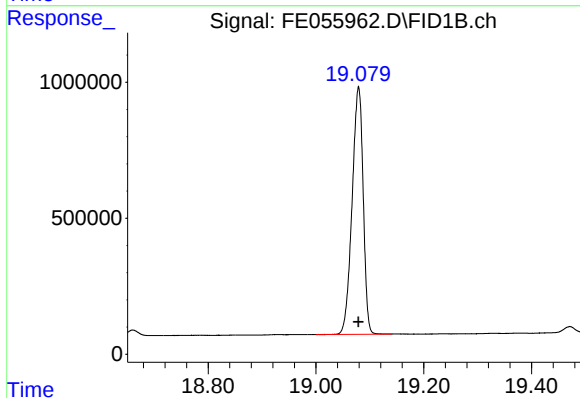
R.T.: 17.355 min
Delta R.T.: 0.000 min
Response: 12875737
Conc: 98.45 ug/ml



#17 n-Tricontane (C30)

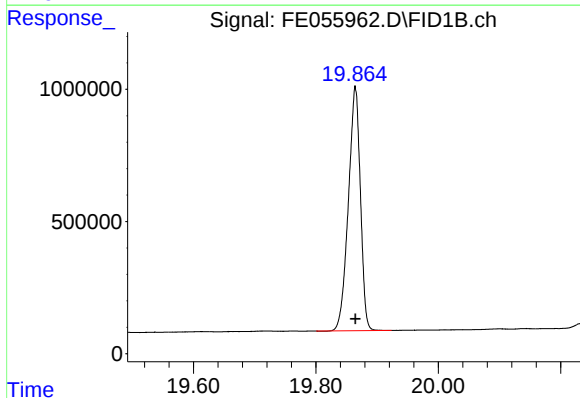
R.T.: 18.245 min
Delta R.T.: 0.000 min
Response: 13054346
Conc: 96.13 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



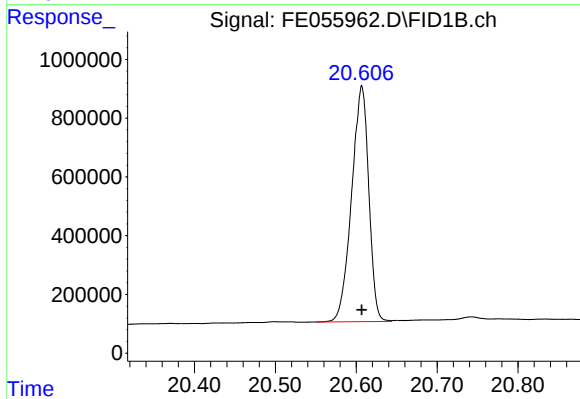
#18 n-Dotriacontane (C32)

R.T.: 19.079 min
Delta R.T.: 0.000 min
Response: 12955482
Conc: 94.90 ug/ml



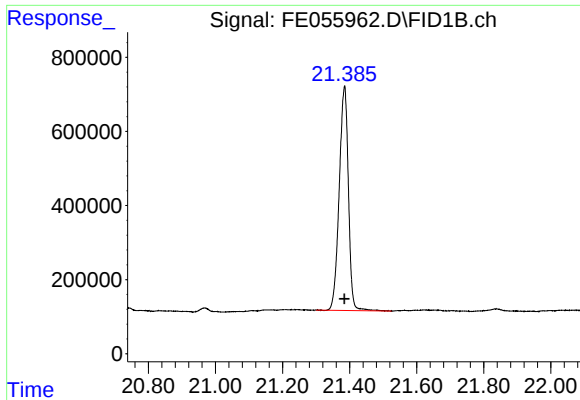
#19 n-Tetratriacontane (C34)

R.T.: 19.864 min
Delta R.T.: 0.000 min
Response: 12597203
Conc: 95.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 11820206
Conc: 97.40 ug/ml



#21 n-Octatriacontane (C38)

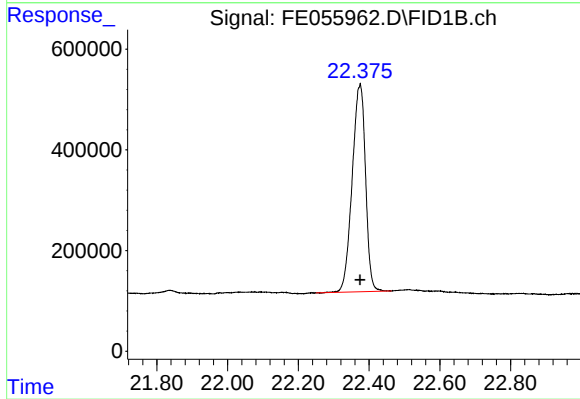
R.T.: 21.384 min
Delta R.T.: 0.000 min
Response: 11503060
Conc: 99.56 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.374 min
Delta R.T.: 0.000 min
Response: 10778337
Conc: 97.37 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055962.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:07
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.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	3.411	3.377	3.475	BB	1193159	12115570	67.49%	3.983%
2	4.672	4.635	4.750	BB	1259842	12431596	69.26%	4.087%
3	6.393	6.350	6.507	BB	1548803	15093772	84.09%	4.962%
4	6.849	6.809	6.905	BB	1279643	12995625	72.40%	4.272%
5	7.496	7.447	7.612	BV	1444836	15025333	83.70%	4.940%
6	8.687	8.649	8.755	BB	1270645	13579491	75.65%	4.464%
7	10.303	10.260	10.369	BB	1320044	14868884	82.83%	4.888%
8	11.755	11.709	11.812	BB	1355244	15922809	88.70%	5.235%
9	12.083	12.024	12.132	BB	1585493	17950450	100.00%	5.901%
10	13.069	13.024	13.125	BB	1269287	15819296	88.13%	5.201%
11	13.517	13.472	13.570	BB	1123920	13586232	75.69%	4.467%
12	13.683	13.619	13.744	BB	1232389	15576917	86.78%	5.121%
13	14.272	14.200	14.335	BB	1243326	15366782	85.61%	5.052%
14	15.378	15.295	15.449	BB	1126624	14649046	81.61%	4.816%
15	16.402	16.229	16.470	BB	1045801	13607731	75.81%	4.474%
16	17.355	17.262	17.430	BB	961185	12875737	71.73%	4.233%
17	18.245	18.175	18.320	BB	969341	13054346	72.72%	4.292%
18	19.079	19.000	19.140	BB	910160	12955482	72.17%	4.259%
19	19.864	19.800	19.924	BB	924104	12597203	70.18%	4.141%
20	20.607	20.550	20.644	BV	804428	11820206	65.85%	3.886%
21	21.385	21.300	21.525	BV	607871	11503060	64.08%	3.782%
22	22.374	22.250	22.464	BV	410718	10778337	60.04%	3.543%
Sum of corrected areas:						304173905		

Aliphatic EPH 092425.M Wed Sep 24 15:36:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055963.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:37
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Sep 24 11:04:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
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Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.077	9105995	50.587 ug/ml
Spiked Amount 50.000		Recovery =	101.17%
12) S 1-chlorooctadecane (S...	13.512	6779455	50.366 ug/ml
Spiked Amount 50.000		Recovery =	100.73%
Target Compounds			
1) T n-Nonane (C9)	3.414	7521327	55.044 ug/ml
2) T n-Decane (C10)	4.671	7621160	54.769 ug/ml
3) T A~Naphthalene (C11.7)	6.390	8539649	53.340 ug/ml
4) T n-Dodecane (C12)	6.846	7750210	54.193 ug/ml
5) T A~2-methylnaphthalene...	7.492	8232099	52.783 ug/ml
6) T n-Tetradecane (C14)	8.683	7796895	53.390 ug/ml
7) T n-Hexadecane (C16)	10.299	8184868	52.484 ug/ml
8) T n-Octadecane (C18)	11.750	8429200	51.566 ug/ml
10) T n-Eicosane (C20)	13.064	8067243	50.724 ug/ml
11) T n-Heneicosane (C21)	13.679	7830269	50.385 ug/ml
13) T n-Docosane (C22)	14.267	7654502	50.171 ug/ml
14) T n-Tetracosane (C24)	15.374	7266695	50.015 ug/ml
15) T n-Hexacosane (C26)	16.397	6822136	50.145 ug/ml
16) T n-Octacosane (C28)	17.350	6587657	50.247 ug/ml
17) T n-Tricontane (C30)	18.240	6773890	49.922 ug/ml
18) T n-Dotriacontane (C32)	19.075	6740087	49.580 ug/ml
19) T n-Tetratriacontane (C34)	19.861	6516174	49.733 ug/ml
20) T n-Hexatriacontane (C36)	20.601	6074929	50.038 ug/ml
21) T n-Octatriacontane (C38)	21.379	6099413	51.828 ug/ml
22) T n-Tetracontane (C40)	22.366	5796100	51.549 ug/ml

(f)=RT Delta > 1/2 Window

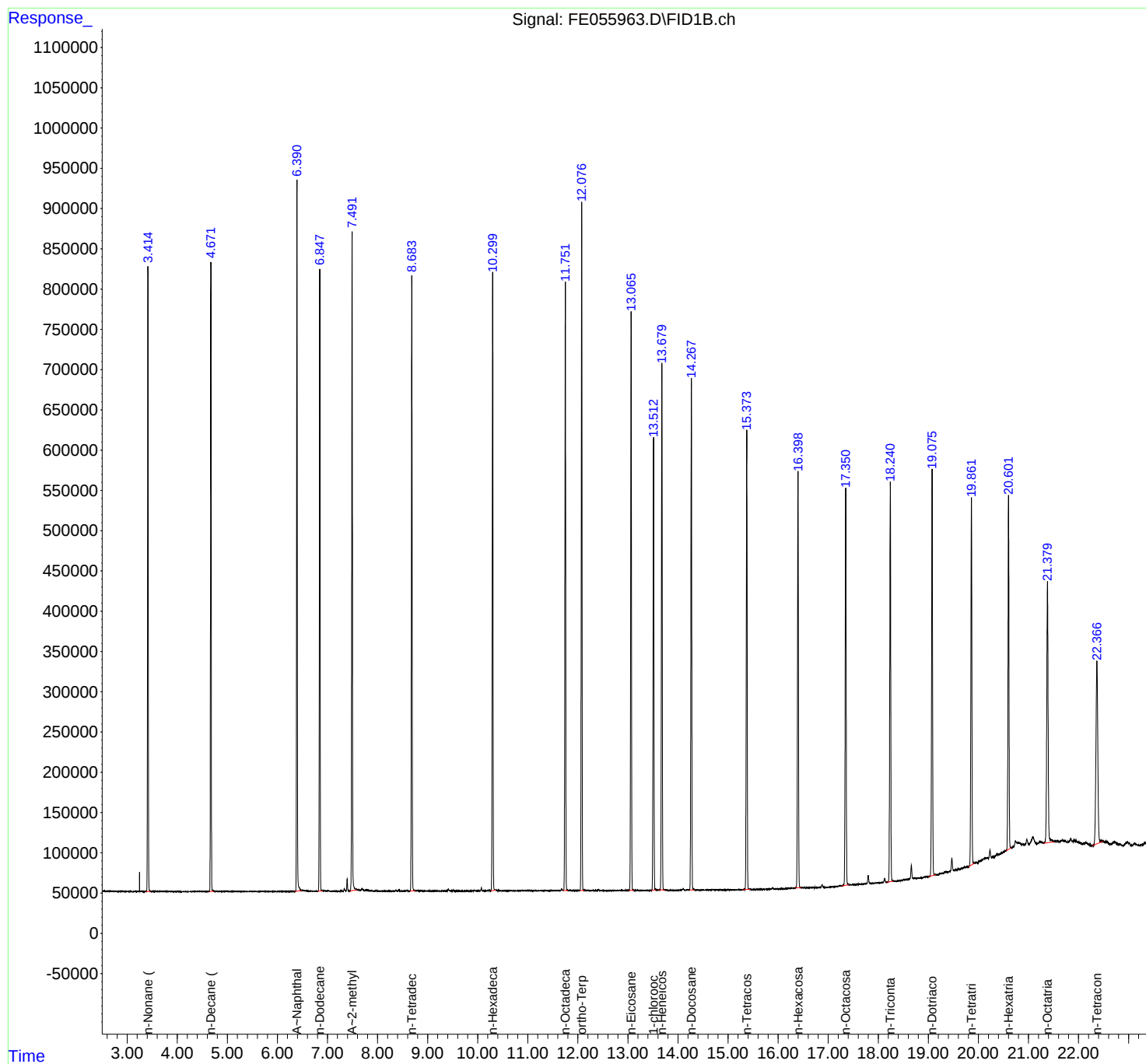
(m)=manual int.

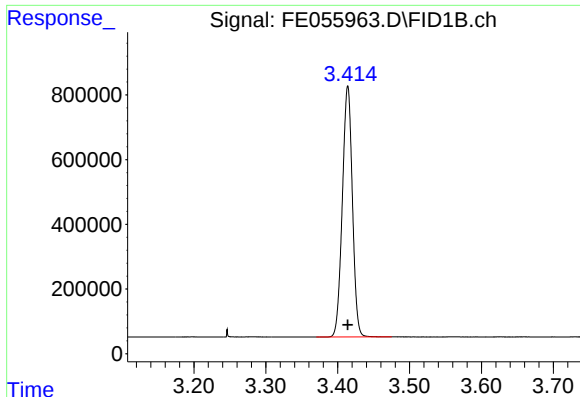
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055963.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 09:37
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 24 11:04:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 11:00:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

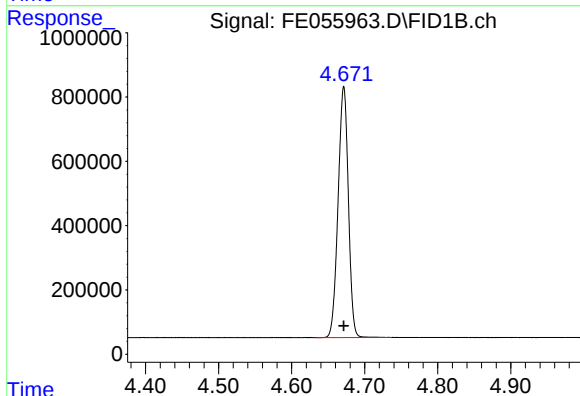




#1 n-Nonane (C9)

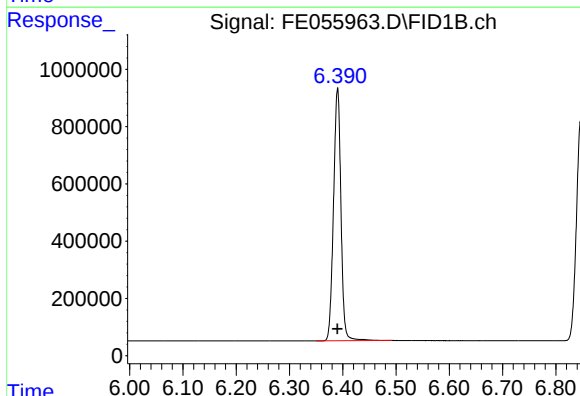
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 7521327
Conc: 55.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



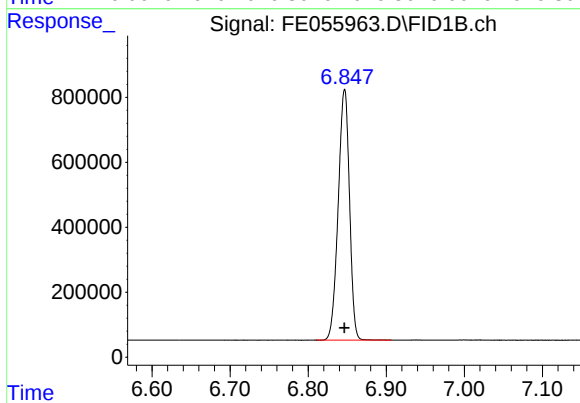
#2 n-Decane (C10)

R.T.: 4.671 min
Delta R.T.: 0.000 min
Response: 7621160
Conc: 54.77 ug/ml



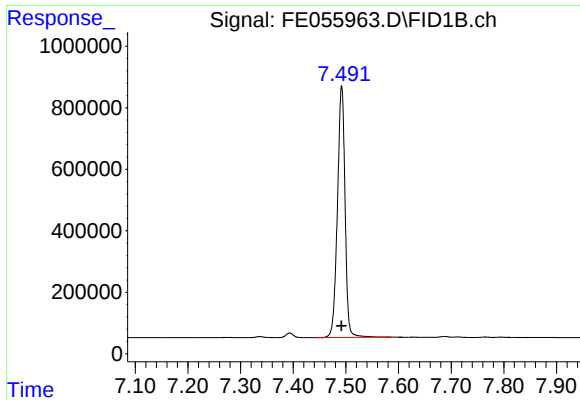
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: 0.000 min
Response: 8539649
Conc: 53.34 ug/ml



#4 n-Dodecane (C12)

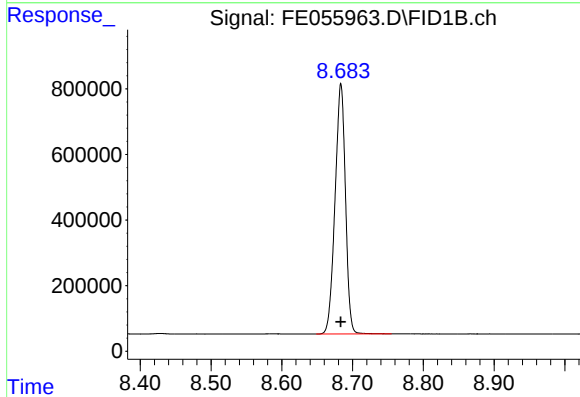
R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 7750210
Conc: 54.19 ug/ml



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

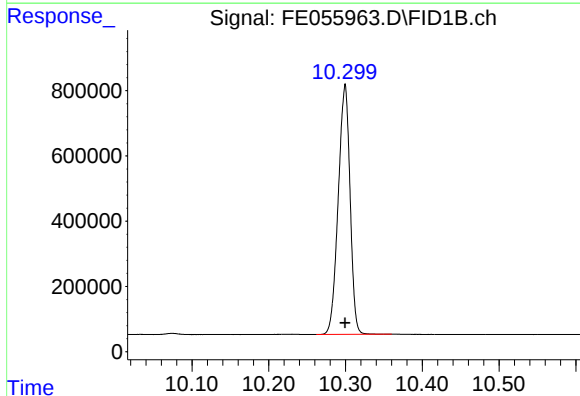
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 8232099
Conc: 52.78 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



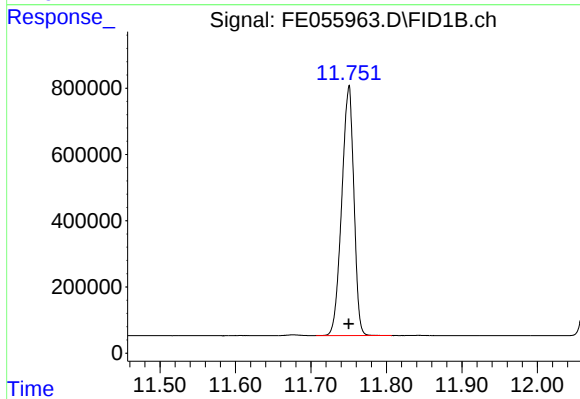
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 7796895
Conc: 53.39 ug/ml



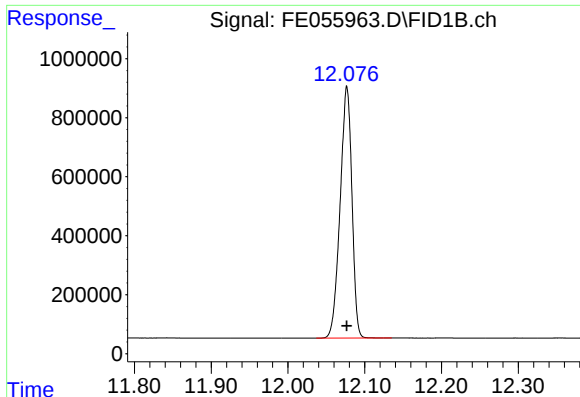
#7 n-Hexadecane (C16)

R.T.: 10.299 min
Delta R.T.: 0.000 min
Response: 8184868
Conc: 52.48 ug/ml



#8 n-Octadecane (C18)

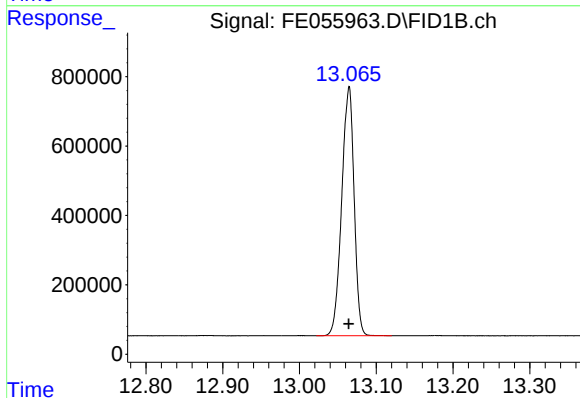
R.T.: 11.750 min
Delta R.T.: 0.000 min
Response: 8429200
Conc: 51.57 ug/ml



#9 ortho-Terphenyl (SURR)

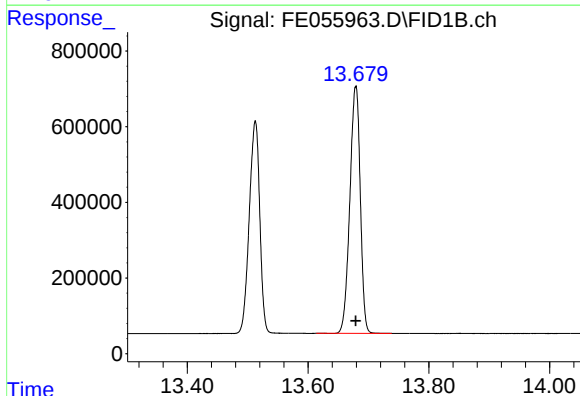
R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 9105995
Conc: 50.59 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



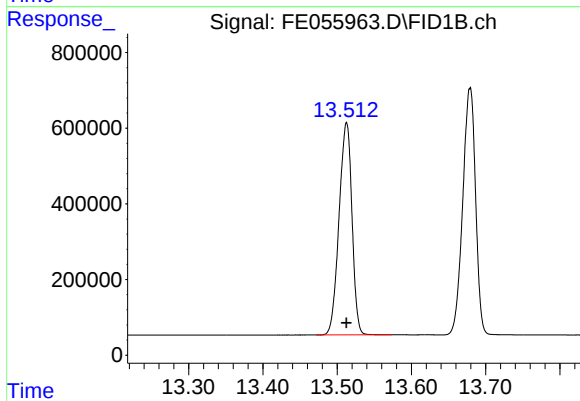
#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.000 min
Response: 8067243
Conc: 50.72 ug/ml



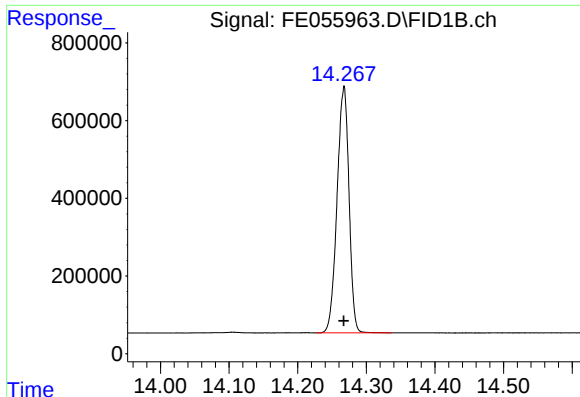
#11 n-Heneicosane (C21)

R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 7830269
Conc: 50.39 ug/ml



#12 1-chlorooctadecane (SURR)

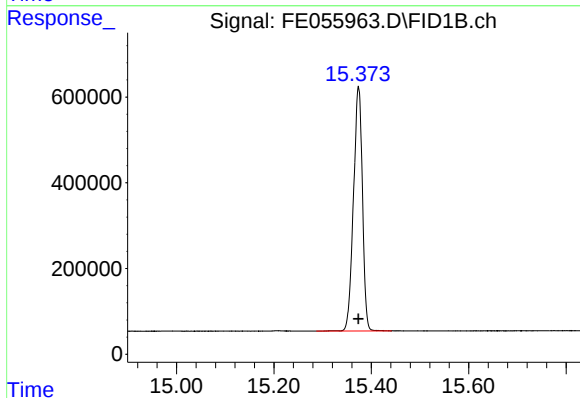
R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 6779455
Conc: 50.37 ug/ml



#13 n-Docosane (C22)

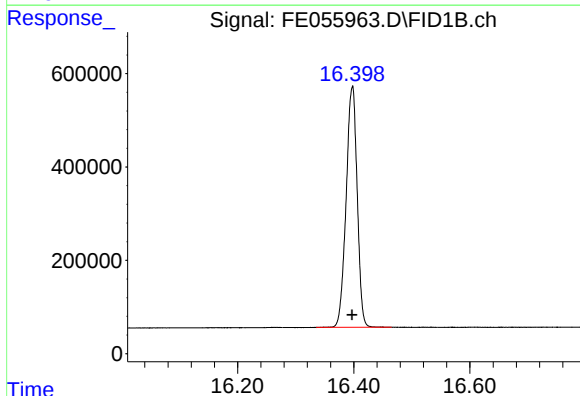
R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 7654502
Conc: 50.17 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



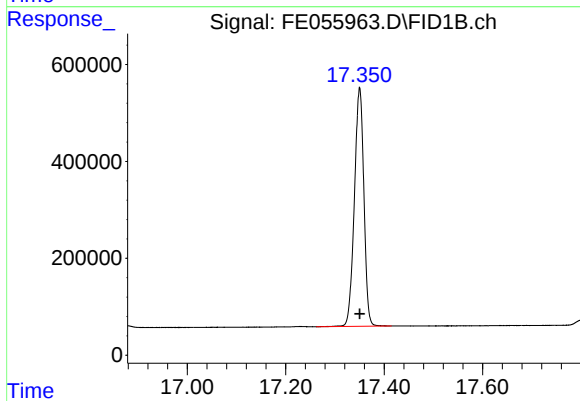
#14 n-Tetracosane (C24)

R.T.: 15.374 min
Delta R.T.: 0.000 min
Response: 7266695
Conc: 50.01 ug/ml



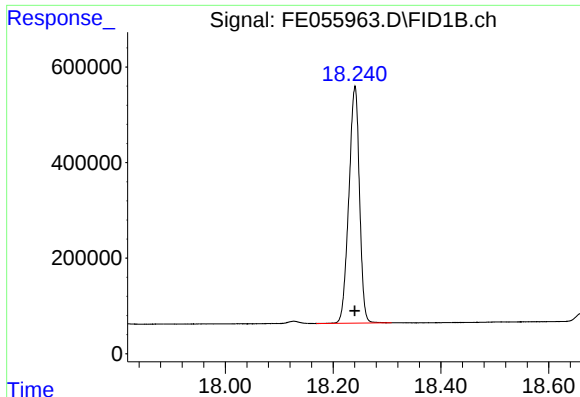
#15 n-Hexacosane (C26)

R.T.: 16.397 min
Delta R.T.: 0.000 min
Response: 6822136
Conc: 50.14 ug/ml



#16 n-Octacosane (C28)

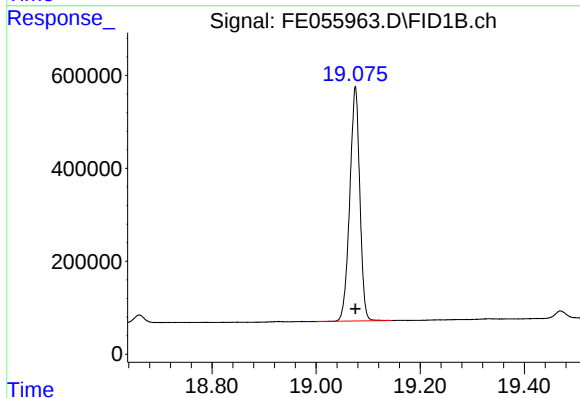
R.T.: 17.350 min
Delta R.T.: 0.000 min
Response: 6587657
Conc: 50.25 ug/ml



#17 n-Tricontane (C30)

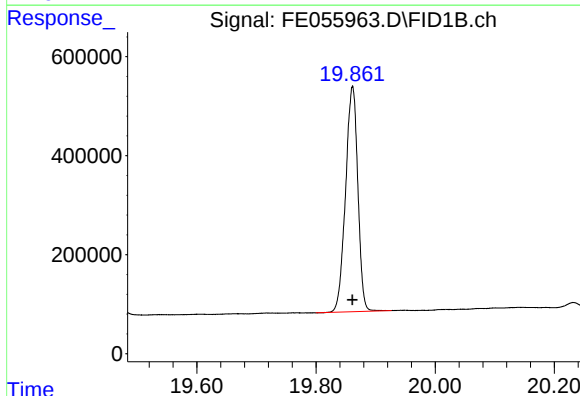
R.T.: 18.240 min
Delta R.T.: 0.000 min
Response: 6773890
Conc: 49.92 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



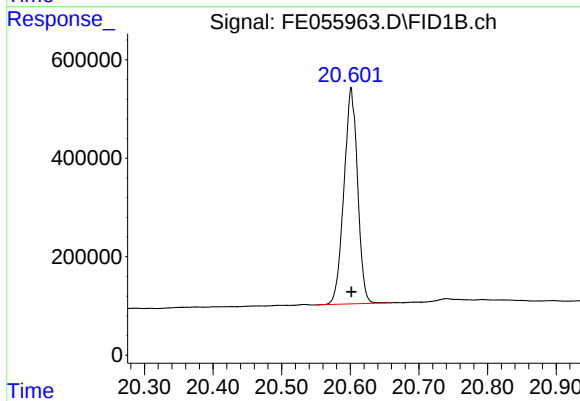
#18 n-Dotriacontane (C32)

R.T.: 19.075 min
Delta R.T.: 0.000 min
Response: 6740087
Conc: 49.58 ug/ml



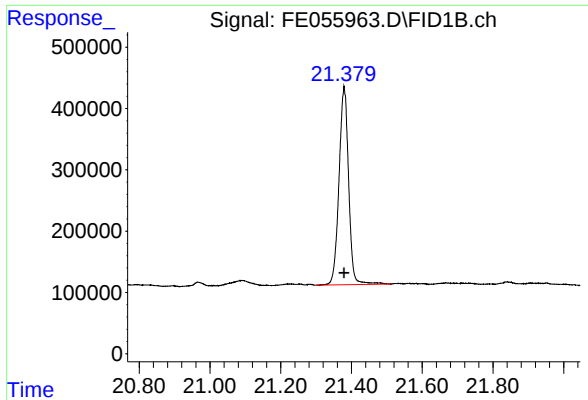
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: 0.000 min
Response: 6516174
Conc: 49.73 ug/ml



#20 n-Hexatriacontane (C36)

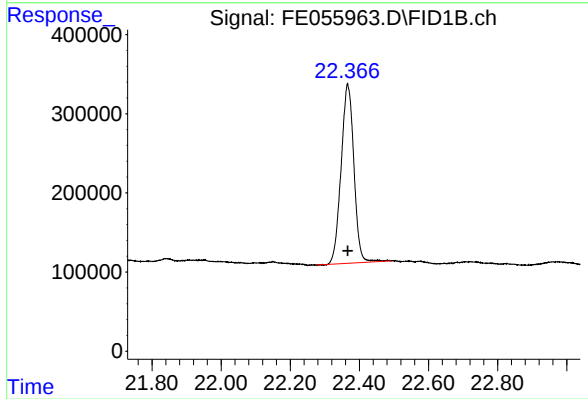
R.T.: 20.601 min
Delta R.T.: 0.000 min
Response: 6074929
Conc: 50.04 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.000 min
Response: 6099413
Conc: 51.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 5796100
Conc: 51.55 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055963.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:37
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.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	3.414	3.370	3.475	BB	776378	7521327	82.60%	4.637%
2	4.671	4.633	4.737	BB	783988	7621160	83.69%	4.699%
3	6.390	6.350	6.492	BB	881625	8539649	93.78%	5.265%
4	6.847	6.810	6.907	BB	774294	7750210	85.11%	4.778%
5	7.492	7.443	7.587	BB	820251	8232099	90.40%	5.076%
6	8.683	8.648	8.755	BB	764717	7796895	85.62%	4.807%
7	10.299	10.262	10.360	BB	758326	8184868	89.88%	5.046%
8	11.750	11.707	11.807	BB	753100	8429200	92.57%	5.197%
9	12.077	12.037	12.135	BB	854162	9105995	100.00%	5.614%
10	13.064	13.022	13.120	BB	711166	8067243	88.59%	4.974%
11	13.512	13.472	13.573	BB	561964	6779455	74.45%	4.180%
12	13.679	13.613	13.738	BB	653612	7830269	85.99%	4.828%
13	14.267	14.227	14.337	BB	630007	7654502	84.06%	4.719%
14	15.374	15.287	15.442	BB	570219	7266695	79.80%	4.480%
15	16.397	16.335	16.465	BB	514565	6822136	74.92%	4.206%
16	17.350	17.262	17.415	BB	493737	6587657	72.34%	4.062%
17	18.240	18.168	18.308	BB	493734	6773890	74.39%	4.177%
18	19.075	19.000	19.145	BB	505191	6740087	74.02%	4.156%
19	19.861	19.800	19.927	BB	456961	6516174	71.56%	4.018%
20	20.601	20.550	20.660	BB	437030	6074929	66.71%	3.746%
21	21.379	21.300	21.513	BV	323069	6099413	66.98%	3.761%
22	22.366	22.275	22.493	BB	226612	5796100	63.65%	3.574%
Sum of corrected areas:						162189953		

Aliphatic EPH 092425.M Wed Sep 24 15:36:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055964.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:07
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Sep 24 11:01:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 11:00:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.072	3567994	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.509	2647245	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.411	2766852	20.000 ug/ml
2) T n-Decane (C10)	4.669	2814312	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.388	3171326	20.000 ug/ml
4) T n-Dodecane (C12)	6.844	2881508	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.489	3059763	20.000 ug/ml
6) T n-Tetradecane (C14)	8.681	2927514	20.000 ug/ml
7) T n-Hexadecane (C16)	10.296	3109210	20.000 ug/ml
8) T n-Octadecane (C18)	11.746	3251555	20.000 ug/ml
10) T n-Eicosane (C20)	13.061	3151785	20.000 ug/ml
11) T n-Heneicosane (C21)	13.675	3077000	20.000 ug/ml
13) T n-Docosane (C22)	14.264	3018934	20.000 ug/ml
14) T n-Tetracosane (C24)	15.369	2880999	20.000 ug/ml
15) T n-Hexacosane (C26)	16.394	2712524	20.000 ug/ml
16) T n-Octacosane (C28)	17.346	2656180	20.000 ug/ml
17) T n-Tricontane (C30)	18.236	2820975	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.071	2869454	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2735529	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.598	2490383	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.374	2320773	20.000 ug/ml
22) T n-Tetracontane (C40)	22.360	2272256	20.000 ug/ml

(f)=RT Delta > 1/2 Window

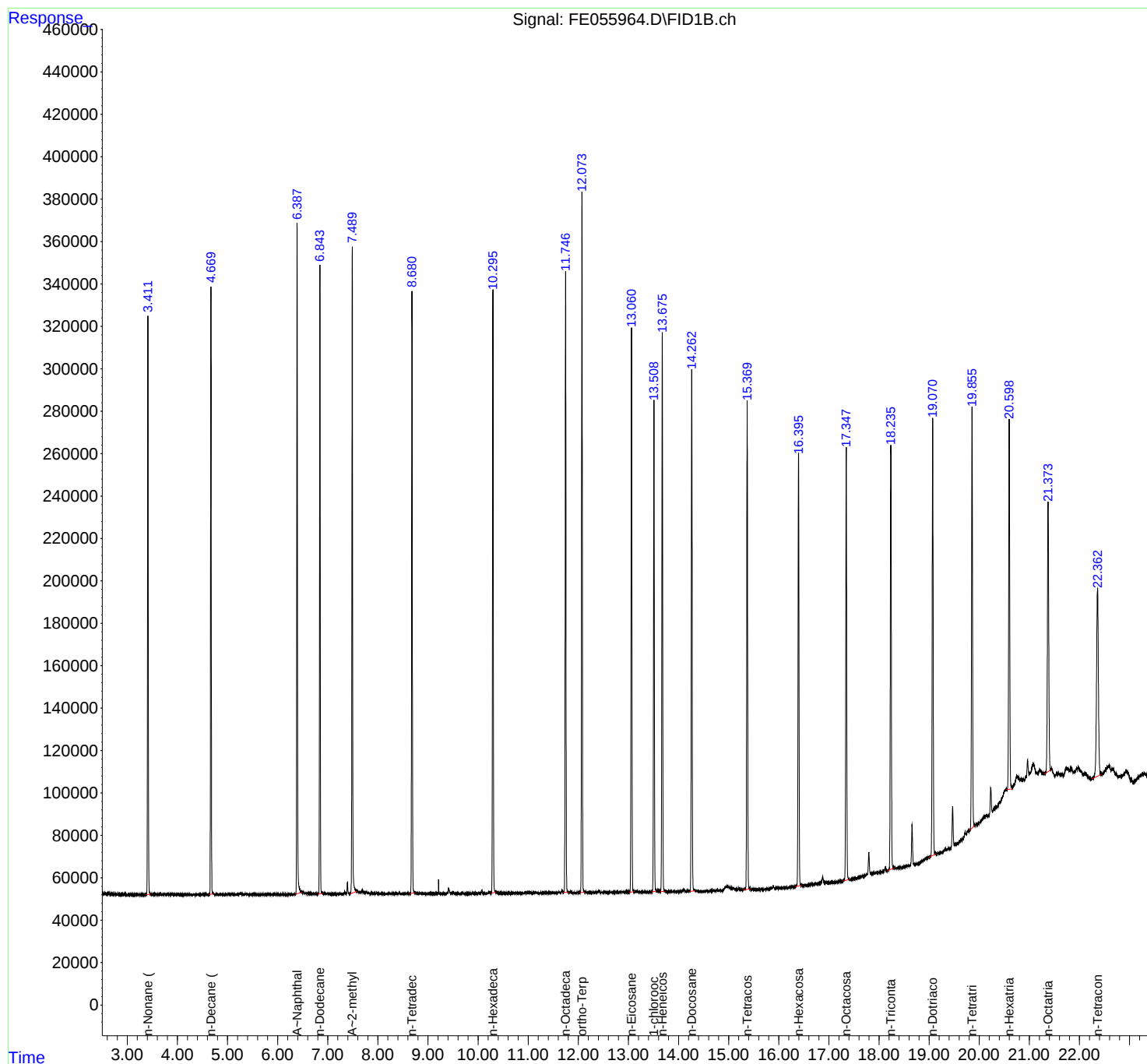
(m)=manual int.

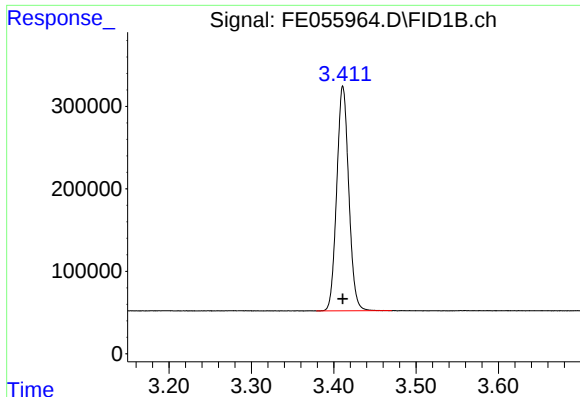
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055964.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:07
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 24 11:01:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 11:00:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

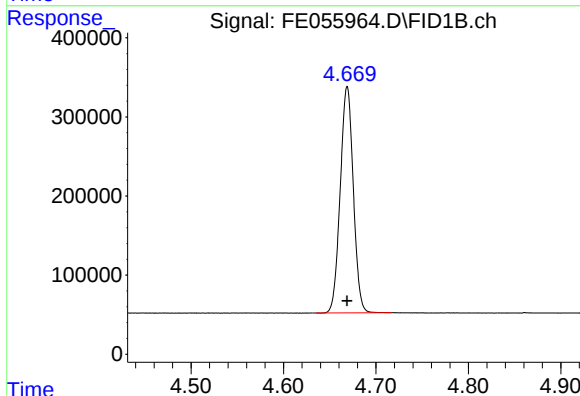




#1 n-Nonane (C9)

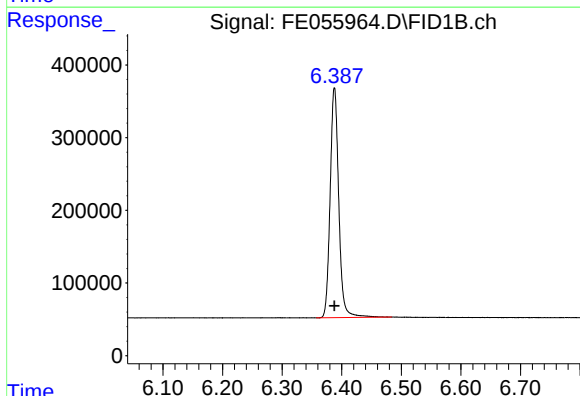
R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 2766852
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



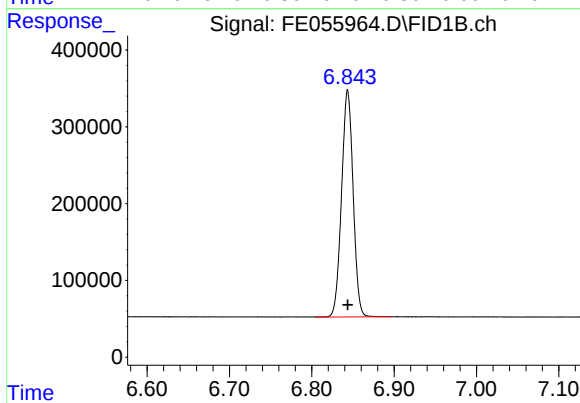
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: 0.000 min
Response: 2814312
Conc: 20.00 ug/ml



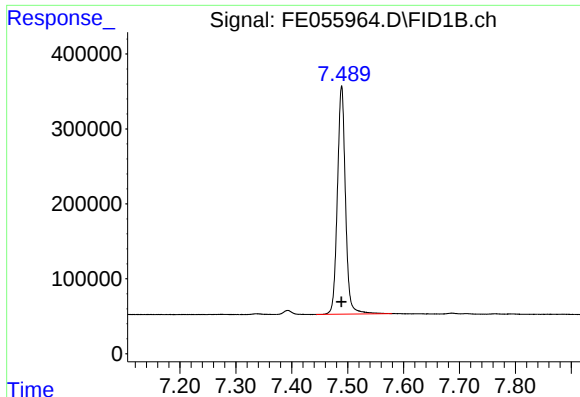
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 3171326
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

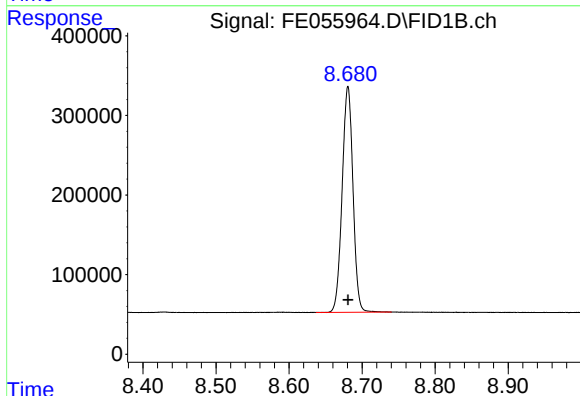
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2881508
Conc: 20.00 ug/ml



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

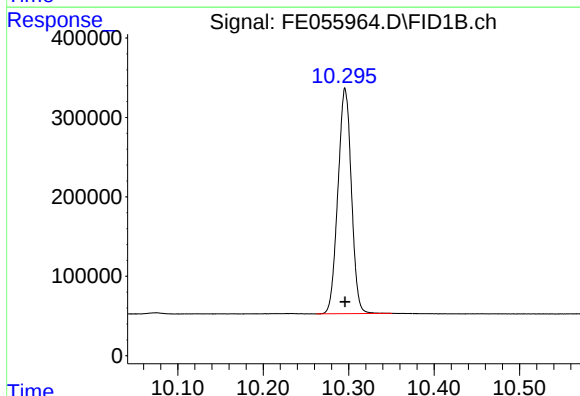
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 3059763
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



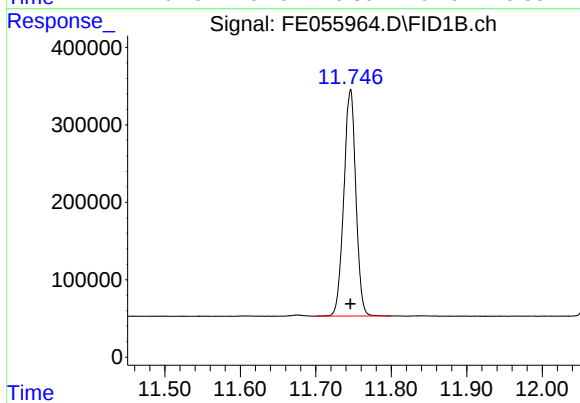
#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 2927514
Conc: 20.00 ug/ml



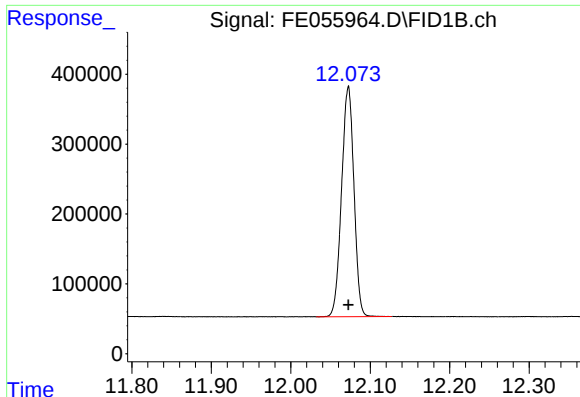
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: 0.000 min
Response: 3109210
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

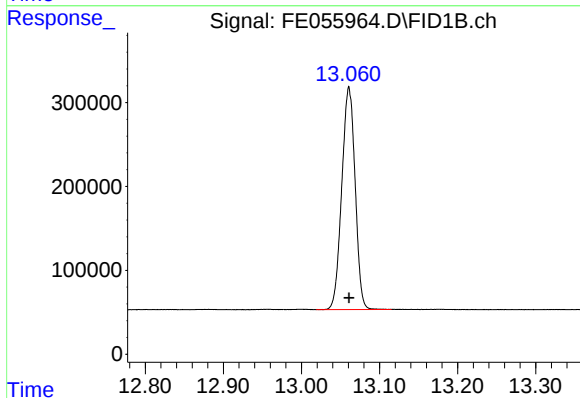
R.T.: 11.746 min
Delta R.T.: 0.000 min
Response: 3251555
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

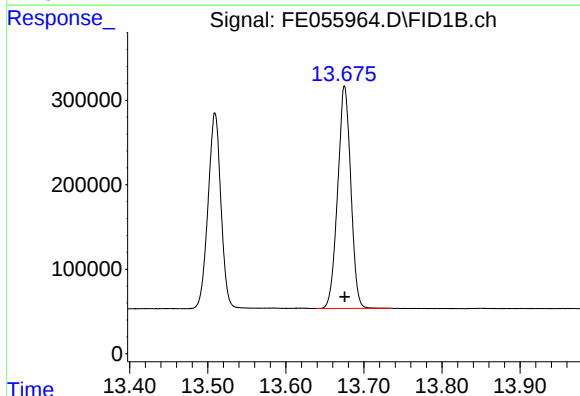
R.T.: 12.072 min
Delta R.T.: 0.000 min
Response: 3567994
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



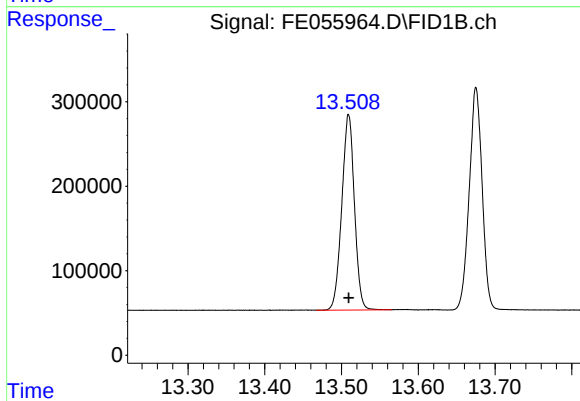
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: 0.000 min
Response: 3151785
Conc: 20.00 ug/ml



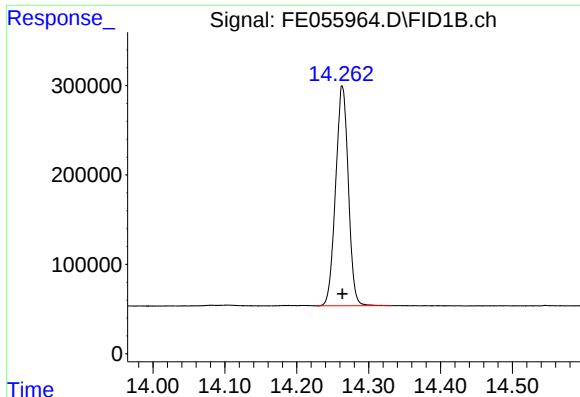
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.000 min
Response: 3077000
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

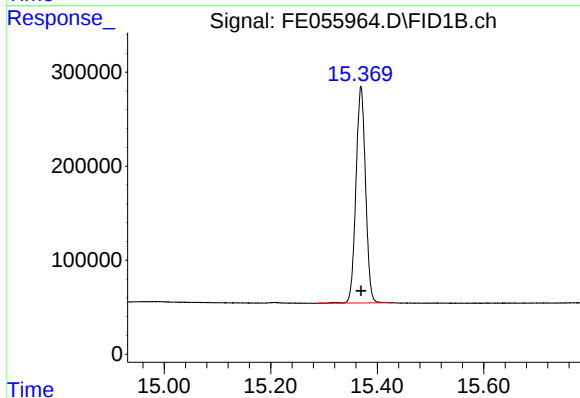
R.T.: 13.509 min
Delta R.T.: 0.000 min
Response: 2647245
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

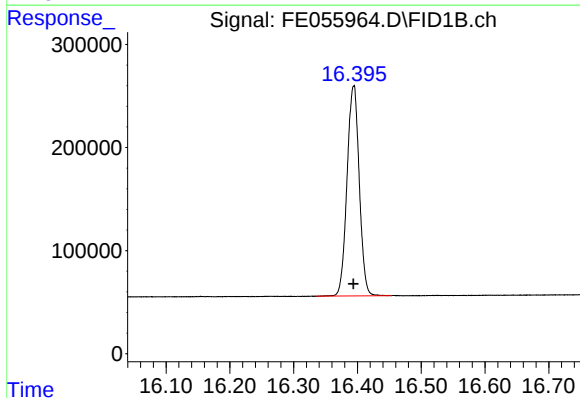
R.T.: 14.264 min
Delta R.T.: 0.000 min
Response: 3018934
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



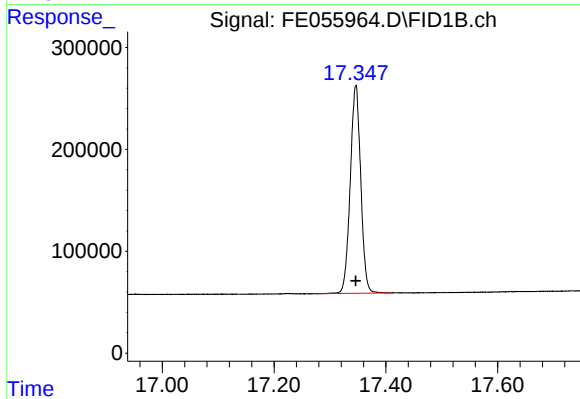
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 2880999
Conc: 20.00 ug/ml



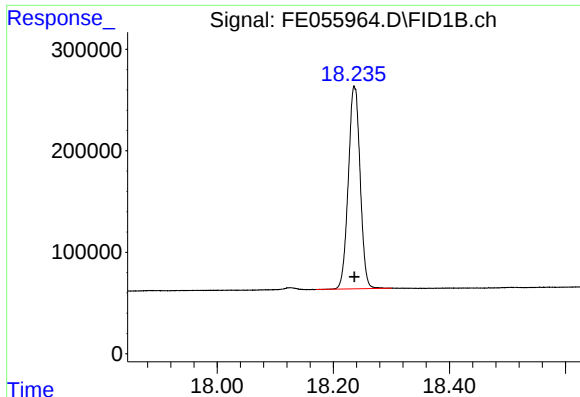
#15 n-Hexacosane (C26)

R.T.: 16.394 min
Delta R.T.: 0.000 min
Response: 2712524
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

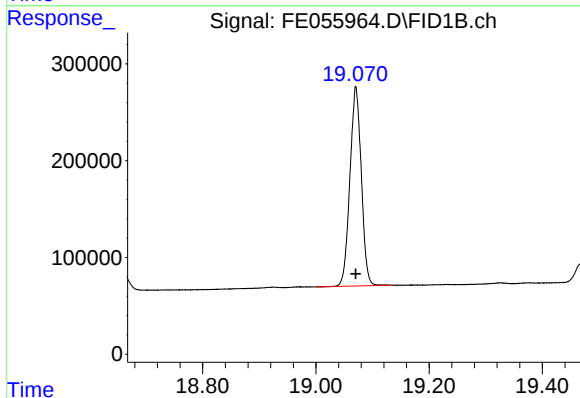
R.T.: 17.346 min
Delta R.T.: 0.000 min
Response: 2656180
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

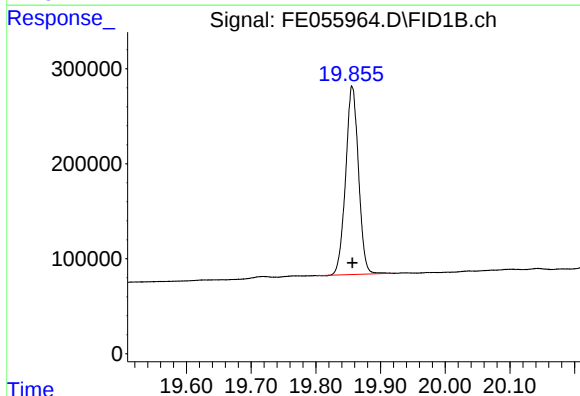
R.T.: 18.236 min
Delta R.T.: 0.000 min
Response: 2820975
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



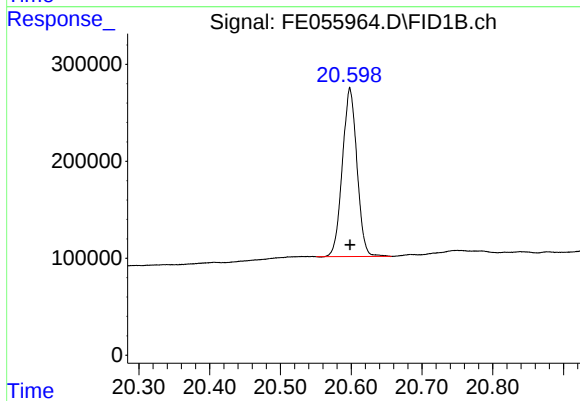
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: 0.000 min
Response: 2869454
Conc: 20.00 ug/ml



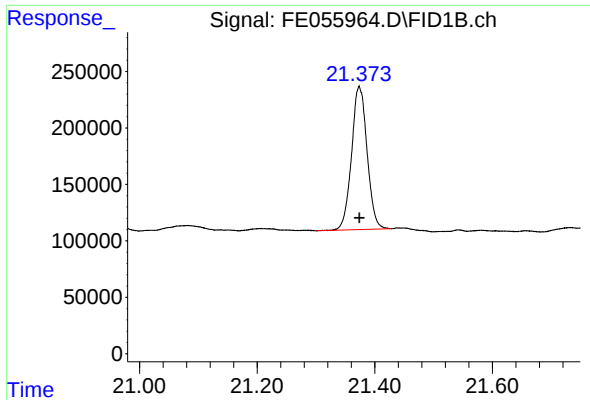
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 2735529
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

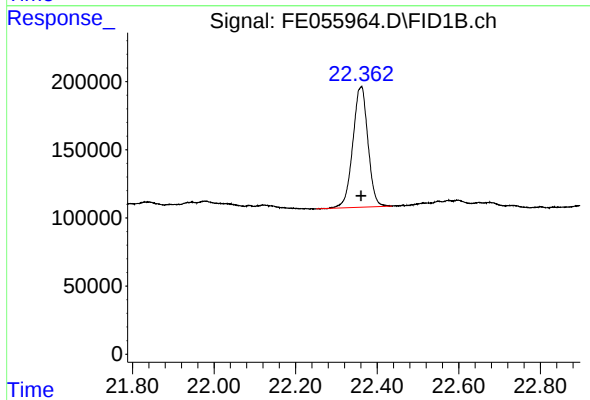
R.T.: 20.598 min
Delta R.T.: 0.000 min
Response: 2490383
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.374 min
Delta R.T.: 0.000 min
Response: 2320773
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.360 min
Delta R.T.: 0.000 min
Response: 2272256
Conc: 20.00 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055964.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:07
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.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	3.411	3.379	3.470	BB	272925	2766852	77.55%	4.378%
2	4.669	4.635	4.717	BB	286203	2814312	78.88%	4.453%
3	6.388	6.357	6.484	BB	317204	3171326	88.88%	5.018%
4	6.844	6.805	6.897	BB	295559	2881508	80.76%	4.559%
5	7.489	7.444	7.579	BB	304084	3059763	85.76%	4.841%
6	8.681	8.637	8.740	BB	284130	2927514	82.05%	4.632%
7	10.296	10.262	10.350	BB	283977	3109210	87.14%	4.919%
8	11.746	11.700	11.800	BB	291244	3251555	91.13%	5.145%
9	12.072	12.032	12.127	BB	328303	3567994	100.00%	5.645%
10	13.061	13.019	13.115	BB	265259	3151785	88.33%	4.987%
11	13.509	13.467	13.565	BB	232459	2647245	74.19%	4.188%
12	13.675	13.639	13.735	BB	263085	3077000	86.24%	4.868%
13	14.264	14.227	14.332	BB	245238	3018934	84.61%	4.776%
14	15.369	15.285	15.427	BB	230996	2880999	80.75%	4.558%
15	16.394	16.335	16.454	BB	203871	2712524	76.02%	4.292%
16	17.346	17.275	17.410	BB	204223	2656180	74.44%	4.203%
17	18.236	18.170	18.300	BB	198304	2820975	79.06%	4.463%
18	19.071	19.000	19.134	BB	206283	2869454	80.42%	4.540%
19	19.856	19.800	19.917	BB	197030	2735529	76.67%	4.328%
20	20.598	20.550	20.657	BV	173259	2490383	69.80%	3.940%
21	21.374	21.300	21.429	BV	126907	2320773	65.04%	3.672%
22	22.360	22.250	22.435	BB	88187	2272256	63.68%	3.595%
Sum of corrected areas:						63204070		

Aliphatic EPH 092425.M Wed Sep 24 15:37:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055965.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:38
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Sep 24 12:53:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:53:03 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.070	1954951	10.632 ug/ml
Spiked Amount 50.000		Recovery =	21.26%
12) S 1-chlorooctadecane (S...	13.507	1449608	10.566 ug/ml
Spiked Amount 50.000		Recovery =	21.13%
Target Compounds			
1) T n-Nonane (C9)	3.408	1363863	9.986 ug/ml
2) T n-Decane (C10)	4.667	1391033	9.997 ug/ml
3) T A~Naphthalene (C11.7)	6.387	1598546	9.989 ug/ml
4) T n-Dodecane (C12)	6.843	1436113	10.031 ug/ml
5) T A~2-methylnaphthalene...	7.488	1559116	9.998 ug/ml
6) T n-Tetradecane (C14)	8.680	1496128	10.183 ug/ml
7) T n-Hexadecane (C16)	10.294	1620157	10.289 ug/ml
8) T n-Octadecane (C18)	11.744	1759004	10.560 ug/ml
10) T n-Eicosane (C20)	13.059	1725698	10.625 ug/ml
11) T n-Heneicosane (C21)	13.674	1692180	10.652 ug/ml
13) T n-Docosane (C22)	14.262	1664317	10.666 ug/ml
14) T n-Tetracosane (C24)	15.369	1581785	10.651 ug/ml
15) T n-Hexacosane (C26)	16.393	1487319	10.683 ug/ml
16) T n-Octacosane (C28)	17.345	1455613	10.805 ug/ml
17) T n-Tricontane (C30)	18.235	1558692	11.075 ug/ml
18) T n-Dotriacontane (C32)	19.070	1561208	11.073 ug/ml
19) T n-Tetratriacontane (C34)	19.856	1478766	10.935 ug/ml
20) T n-Hexatriacontane (C36)	20.597	1356484	10.855 ug/ml
21) T n-Octatriacontane (C38)	21.372	1544566	12.174 ug/ml
22) T n-Tetracontane (C40)	22.359	1260670	10.882 ug/ml

(f)=RT Delta > 1/2 Window

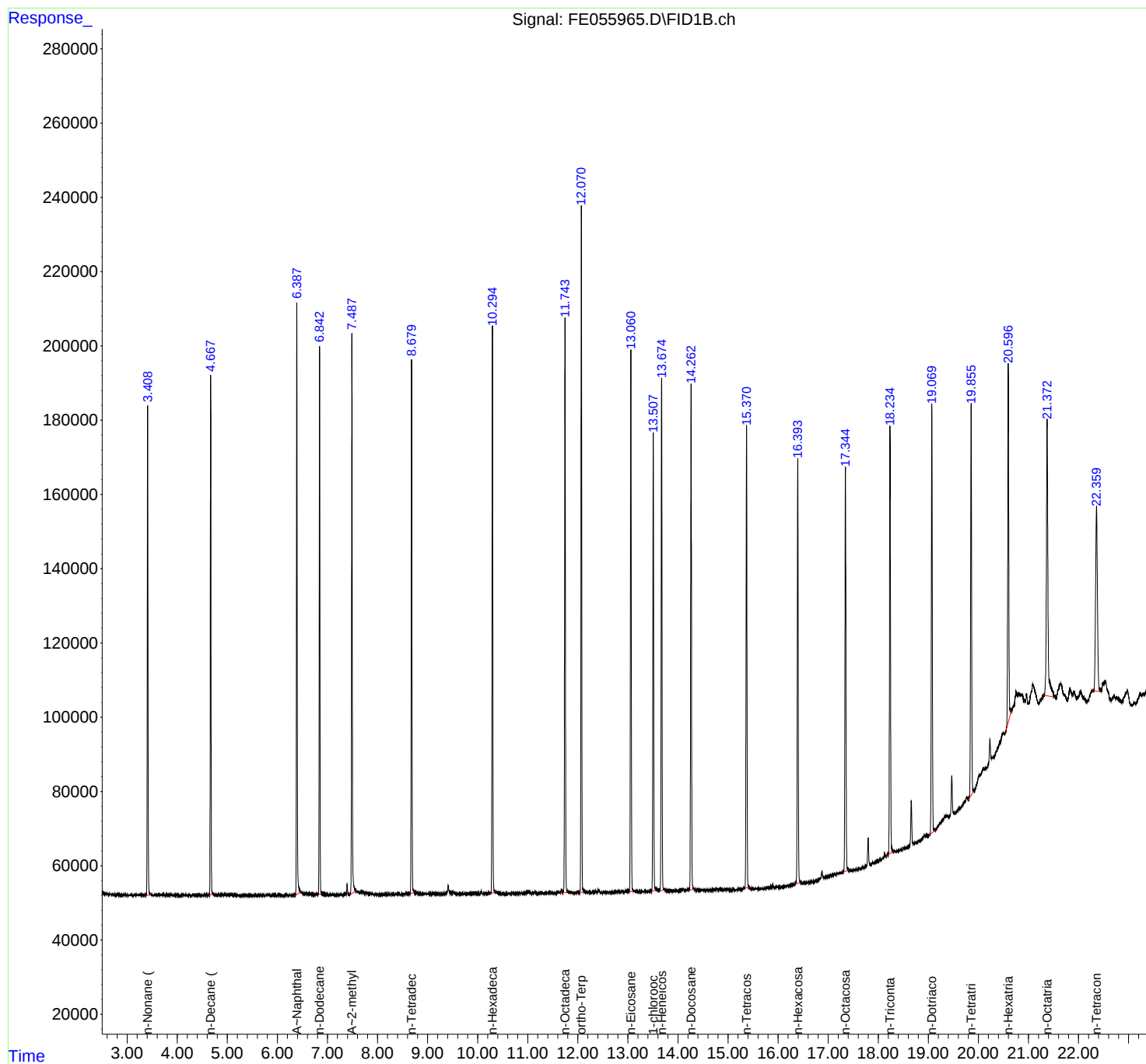
(m)=manual int.

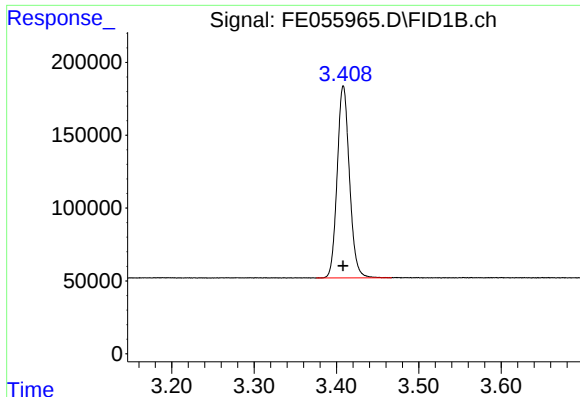
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055965.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:38
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 24 12:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:53:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

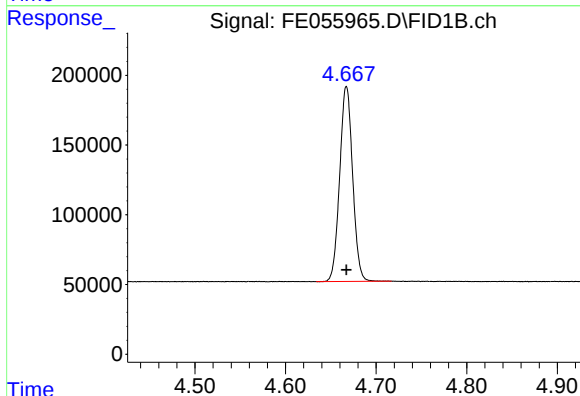




#1 n-Nonane (C9)

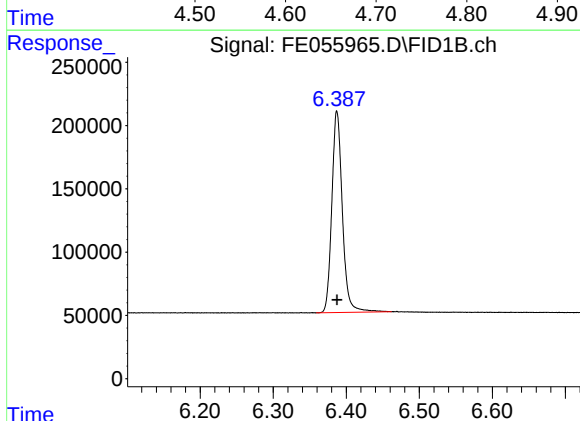
R.T.: 3.408 min
Delta R.T.: 0.000 min
Response: 1363863
Conc: 9.99 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



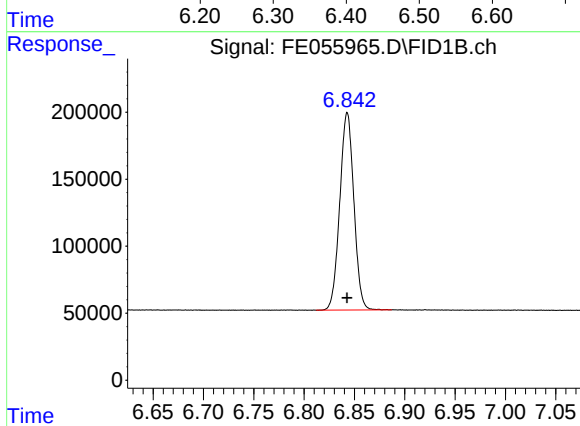
#2 n-Decane (C10)

R.T.: 4.667 min
Delta R.T.: 0.000 min
Response: 1391033
Conc: 10.00 ug/ml



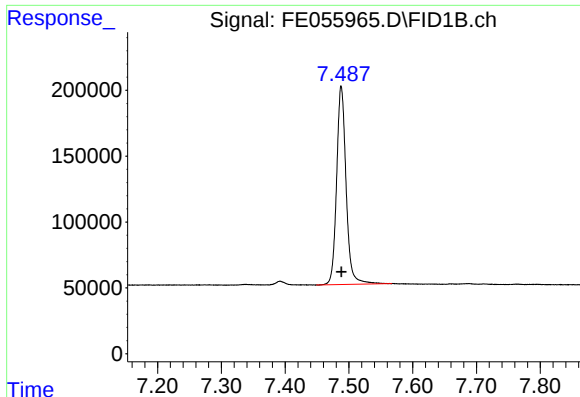
#3 A~Naphthalene (C11.7)

R.T.: 6.387 min
Delta R.T.: 0.000 min
Response: 1598546
Conc: 9.99 ug/ml



#4 n-Dodecane (C12)

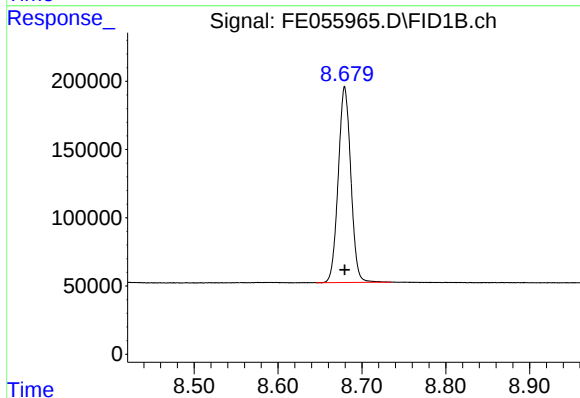
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1436113
Conc: 10.03 ug/ml



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

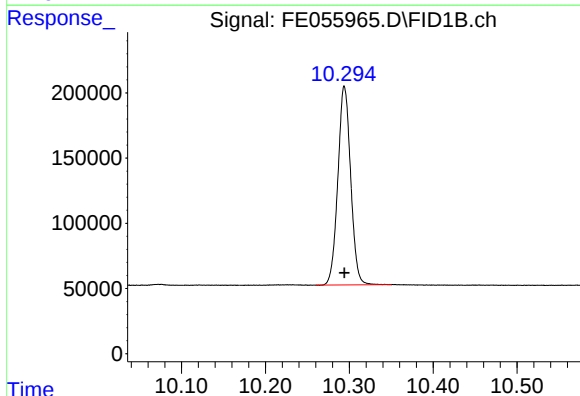
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 1559116
Conc: 10.00 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



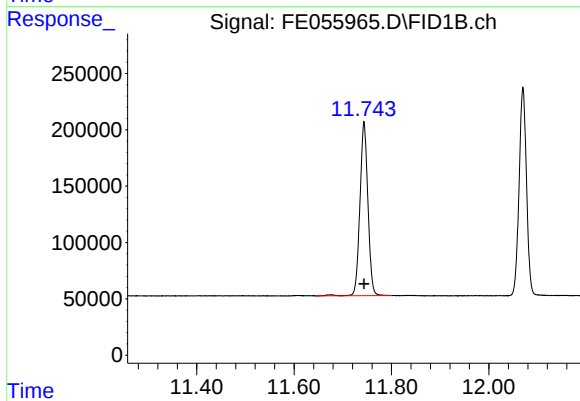
#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 1496128
Conc: 10.18 ug/ml



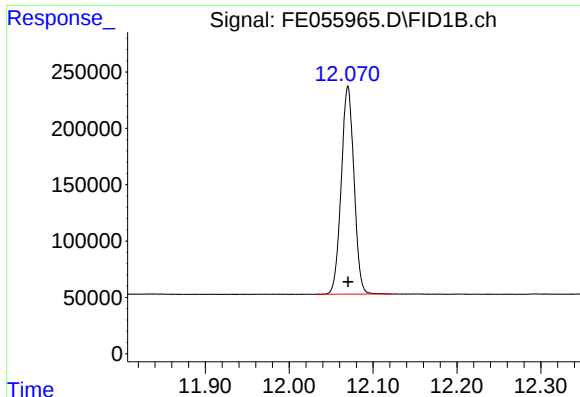
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 1620157
Conc: 10.29 ug/ml



#8 n-Octadecane (C18)

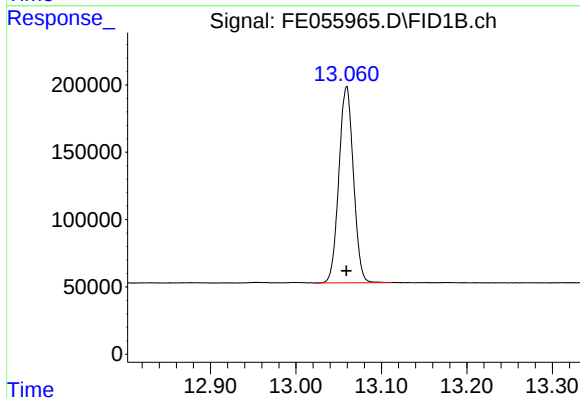
R.T.: 11.744 min
Delta R.T.: 0.000 min
Response: 1759004
Conc: 10.56 ug/ml



#9 ortho-Terphenyl (SURR)

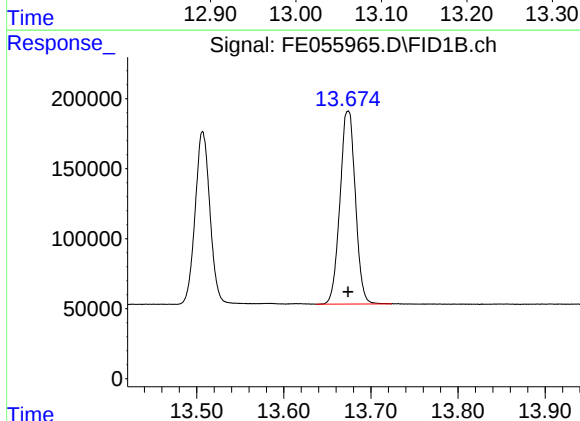
R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 1954951
Conc: 10.63 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



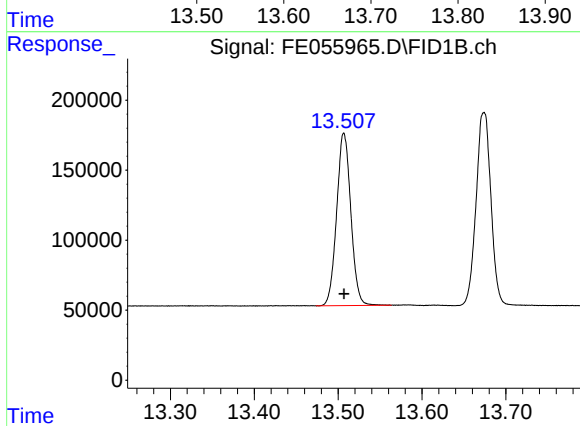
#10 n-Eicosane (C20)

R.T.: 13.059 min
Delta R.T.: 0.000 min
Response: 1725698
Conc: 10.62 ug/ml



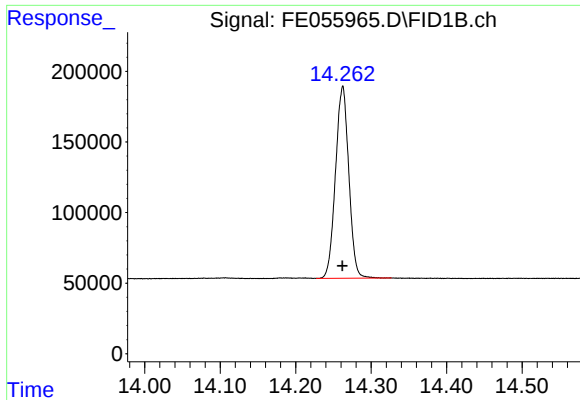
#11 n-Heneicosane (C21)

R.T.: 13.674 min
Delta R.T.: 0.000 min
Response: 1692180
Conc: 10.65 ug/ml



#12 1-chlorooctadecane (SURR)

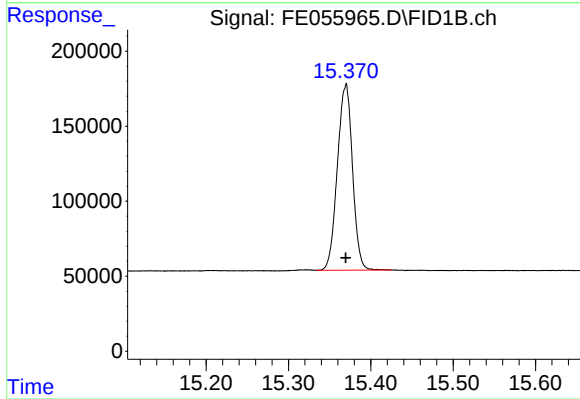
R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 1449608
Conc: 10.57 ug/ml



#13 n-Docosane (C22)

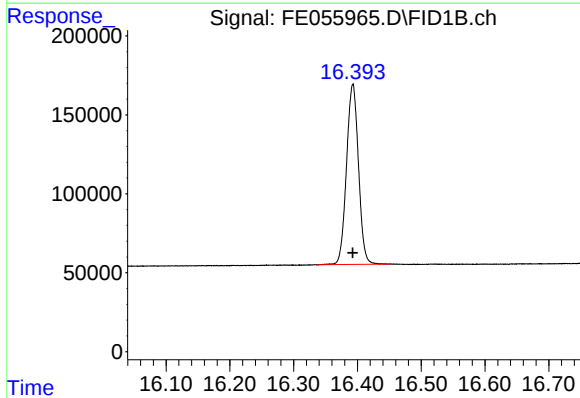
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 1664317
Conc: 10.67 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



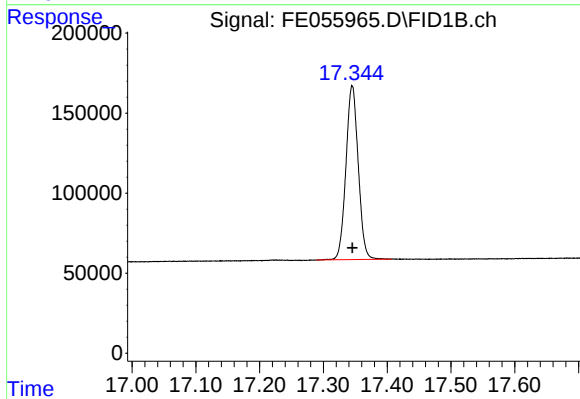
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 1581785
Conc: 10.65 ug/ml



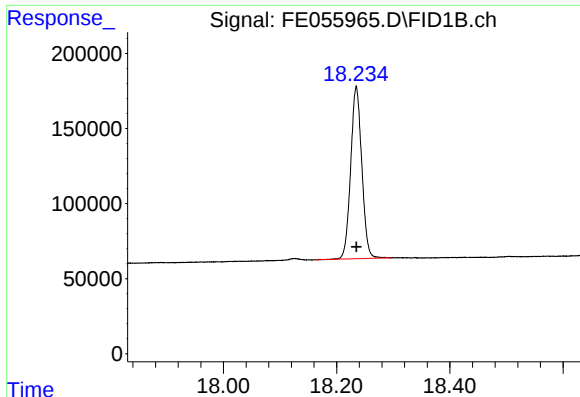
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 1487319
Conc: 10.68 ug/ml



#16 n-Octacosane (C28)

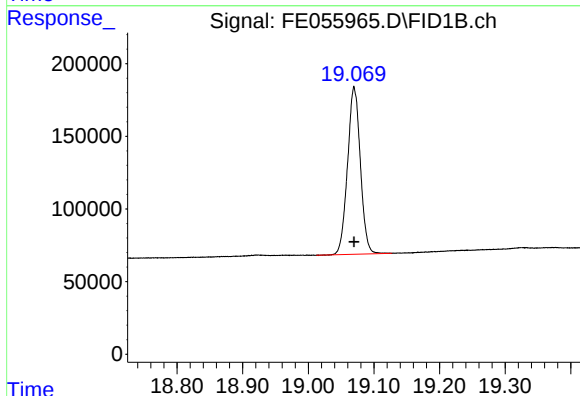
R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 1455613
Conc: 10.80 ug/ml



#17 n-Tricontane (C30)

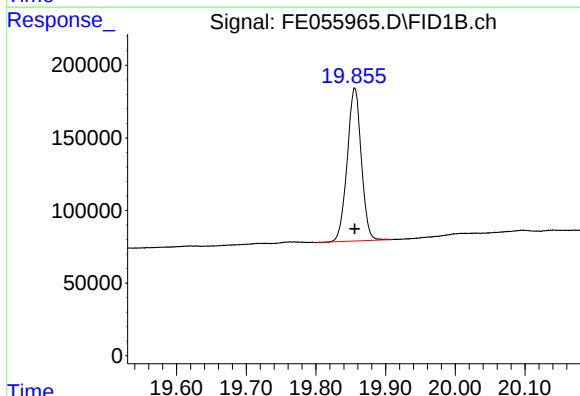
R.T.: 18.235 min
Delta R.T.: 0.000 min
Response: 1558692
Conc: 11.08 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



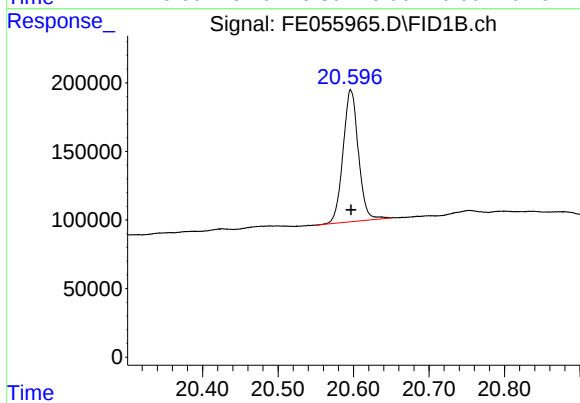
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 1561208
Conc: 11.07 ug/ml



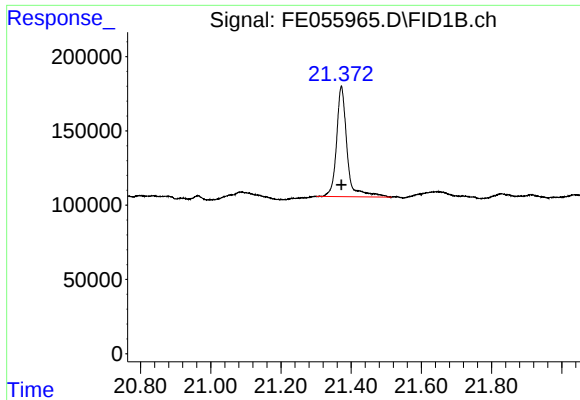
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 1478766
Conc: 10.93 ug/ml



#20 n-Hexatriacontane (C36)

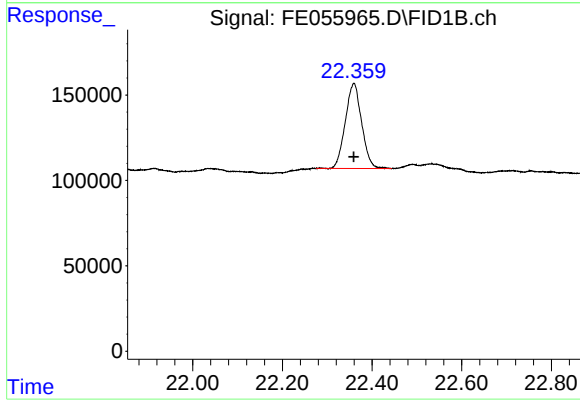
R.T.: 20.597 min
Delta R.T.: 0.000 min
Response: 1356484
Conc: 10.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.372 min
Delta R.T.: 0.000 min
Response: 1544566
Conc: 12.17 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.359 min
Delta R.T.: 0.000 min
Response: 1260670
Conc: 10.88 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055965.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:38
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.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	3.408	3.375	3.467	BB	131891	1363863	69.76%	4.012%
2	4.667	4.634	4.717	BB	140046	1391033	71.15%	4.092%
3	6.387	6.359	6.462	BB	159227	1598546	81.77%	4.702%
4	6.843	6.812	6.887	BB	147153	1436113	73.46%	4.224%
5	7.488	7.449	7.567	BB	149955	1559116	79.75%	4.586%
6	8.680	8.645	8.735	BB	142760	1496128	76.53%	4.401%
7	10.294	10.260	10.350	BB	152463	1620157	82.87%	4.766%
8	11.744	11.645	11.800	BB	154452	1759004	89.98%	5.174%
9	12.070	12.032	12.122	BB	185078	1954951	100.00%	5.751%
10	13.059	13.024	13.112	BB	145649	1725698	88.27%	5.076%
11	13.507	13.474	13.564	BB	123157	1449608	74.15%	4.264%
12	13.674	13.637	13.724	BB	137839	1692180	86.56%	4.978%
13	14.262	14.227	14.327	BB	136020	1664317	85.13%	4.896%
14	15.369	15.334	15.425	BB	122593	1581785	80.91%	4.653%
15	16.393	16.335	16.454	BB	114164	1487319	76.08%	4.375%
16	17.345	17.289	17.407	BB	108605	1455613	74.46%	4.282%
17	18.235	18.164	18.297	BB	114916	1558692	79.73%	4.585%
18	19.070	19.012	19.127	BB	114664	1561208	79.86%	4.592%
19	19.856	19.800	19.909	BB	105560	1478766	75.64%	4.350%
20	20.597	20.550	20.650	BB	95575	1356484	69.39%	3.990%
21	21.372	21.300	21.515	BB	74470	1544566	79.01%	4.543%
22	22.359	22.275	22.444	BB	49805	1260670	64.49%	3.708%
Sum of corrected areas:						33995817		

Aliphatic EPH 092425.M Wed Sep 24 15:37:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055966.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:08
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Sep 24 12:55:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:54:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.070	1013713	5.402 ug/ml
Spiked Amount 50.000		Recovery =	10.80%
12) S 1-chlorooctadecane (S...	13.507	745262	5.340 ug/ml
Spiked Amount 50.000		Recovery =	10.68%
Target Compounds			
1) T n-Nonane (C9)	3.408	693246	5.060 ug/ml
2) T n-Decane (C10)	4.667	706292	5.061 ug/ml
3) T A~Naphthalene (C11.7)	6.388	790843	4.953 ug/ml
4) T n-Dodecane (C12)	6.843	724977	5.051 ug/ml
5) T A~2-methylnaphthalene...	7.489	768994	4.945 ug/ml
6) T n-Tetradecane (C14)	8.679	757520	5.124 ug/ml
7) T n-Hexadecane (C16)	10.294	823386	5.182 ug/ml
8) T n-Octadecane (C18)	11.744	903131	5.332 ug/ml
10) T n-Eicosane (C20)	13.059	895641	5.403 ug/ml
11) T n-Heneicosane (C21)	13.673	885060	5.447 ug/ml
13) T n-Docosane (C22)	14.262	874093	5.470 ug/ml
14) T n-Tetracosane (C24)	15.369	839256	5.508 ug/ml
15) T n-Hexacosane (C26)	16.393	781387	5.478 ug/ml
16) T n-Octacosane (C28)	17.345	788239	5.658 ug/ml
17) T n-Tricontane (C30)	18.235	889830	6.005 ug/ml
18) T n-Dotriacontane (C32)	19.070	910224	6.101 ug/ml
19) T n-Tetratriacontane (C34)	19.855	831525	5.879 ug/ml
20) T n-Hexatriacontane (C36)	20.596	709931	5.530 ug/ml
21) T n-Octatriacontane (C38)	21.372	745994	5.680 ug/ml
22) T n-Tetracontane (C40)	22.356	657258	5.525 ug/ml

(f)=RT Delta > 1/2 Window

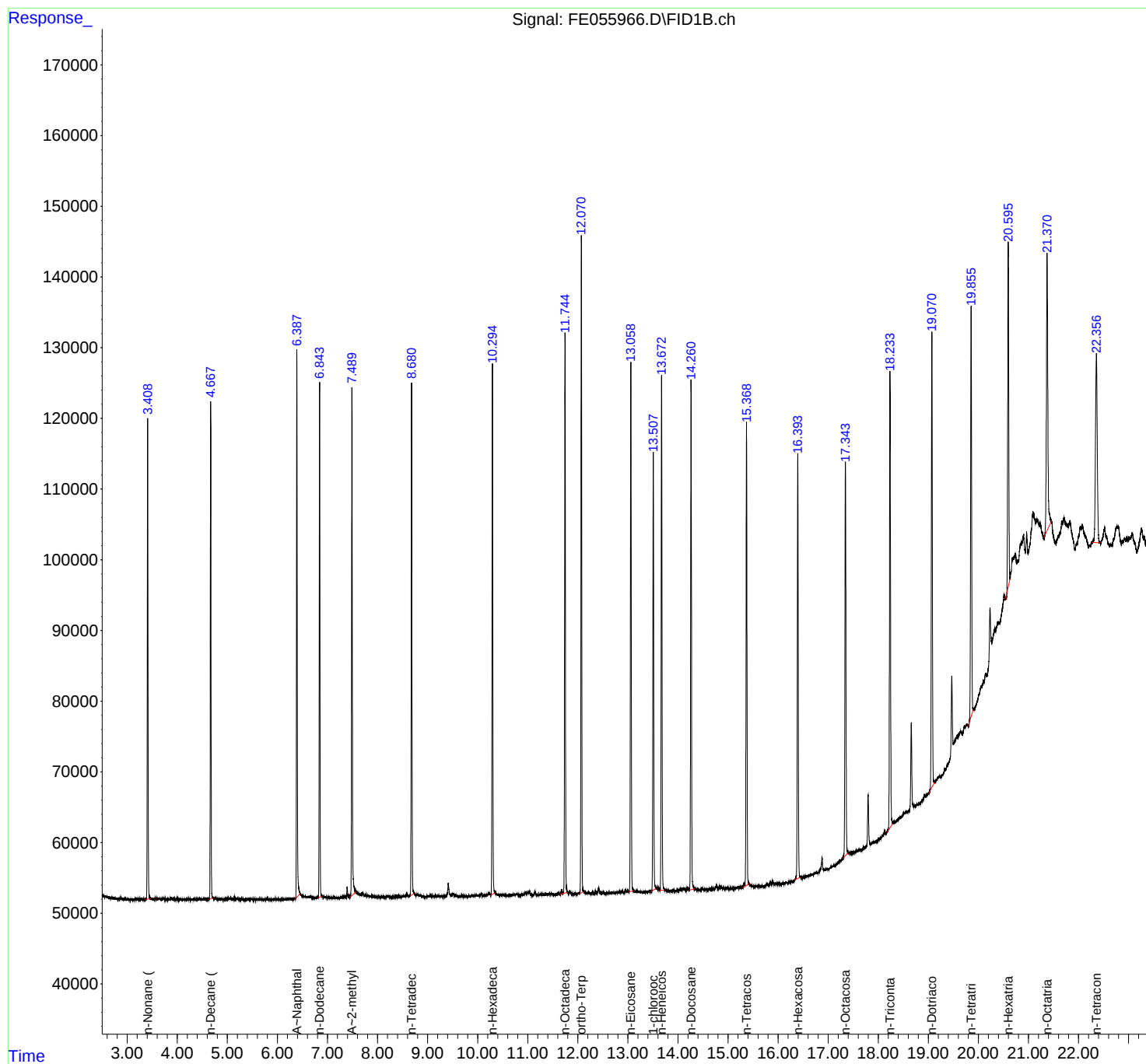
(m)=manual int.

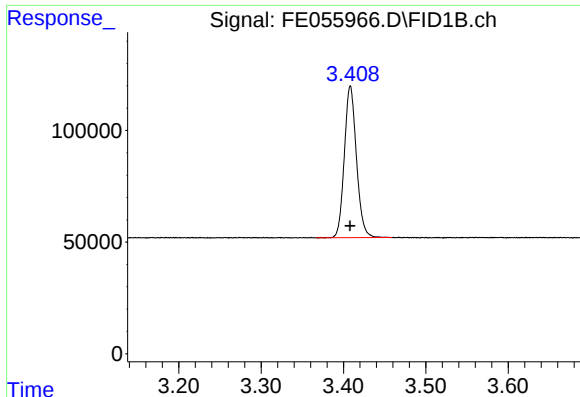
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055966.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 11:08
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 24 12:55:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:54:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

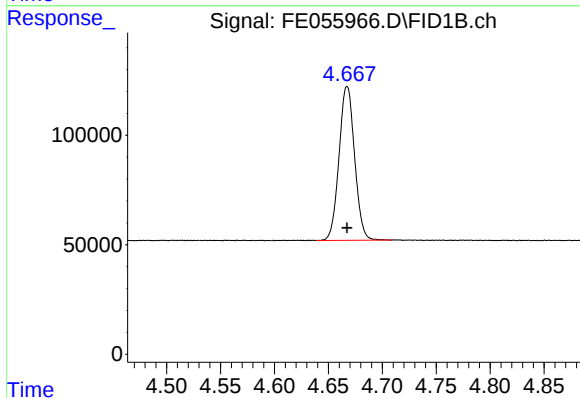




#1 n-Nonane (C9)

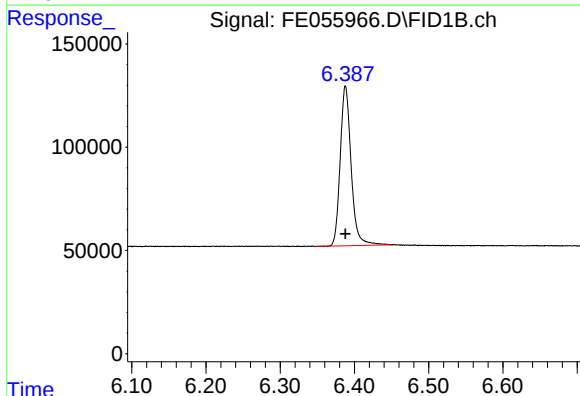
R.T.: 3.408 min
Delta R.T.: 0.000 min
Response: 693246
Conc: 5.06 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



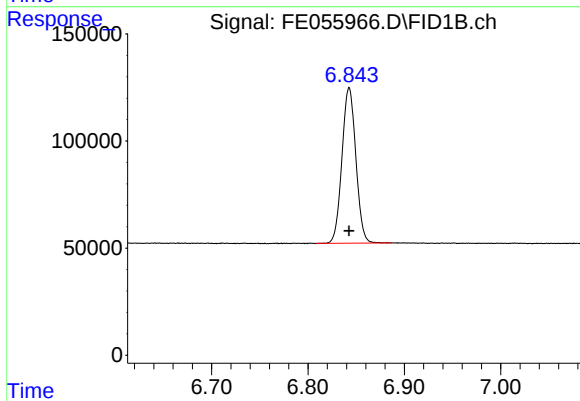
#2 n-Decane (C10)

R.T.: 4.667 min
Delta R.T.: 0.000 min
Response: 706292
Conc: 5.06 ug/ml



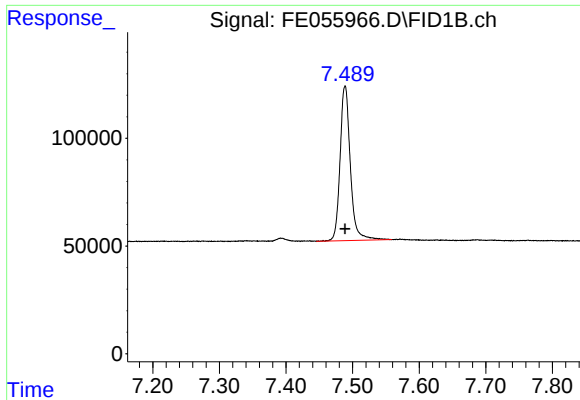
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 790843
Conc: 4.95 ug/ml



#4 n-Dodecane (C12)

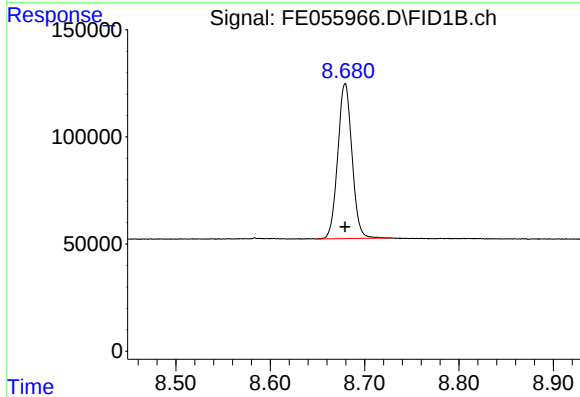
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 724977
Conc: 5.05 ug/ml



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

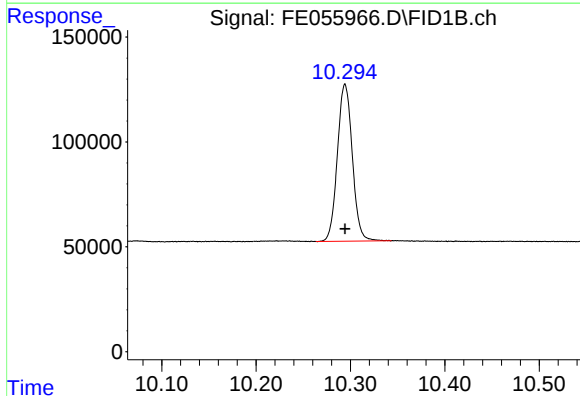
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 768994
Conc: 4.94 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



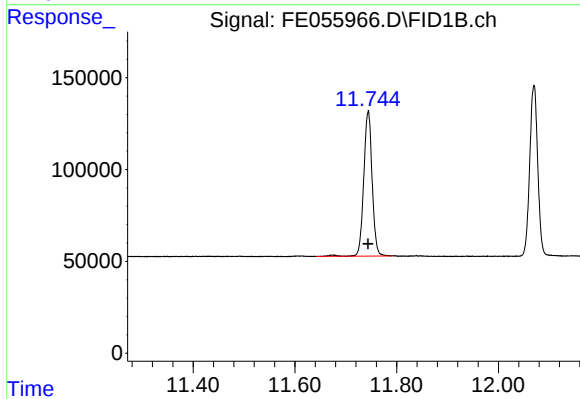
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 757520
Conc: 5.12 ug/ml



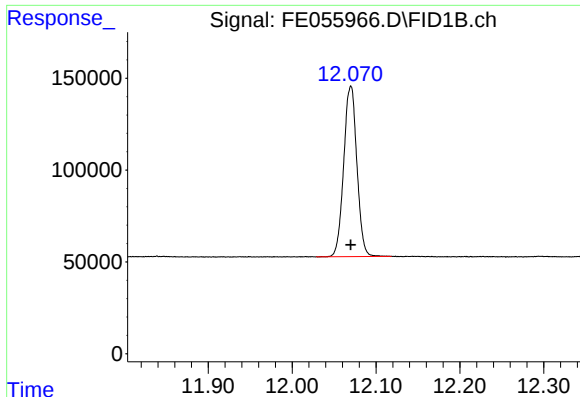
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 823386
Conc: 5.18 ug/ml



#8 n-Octadecane (C18)

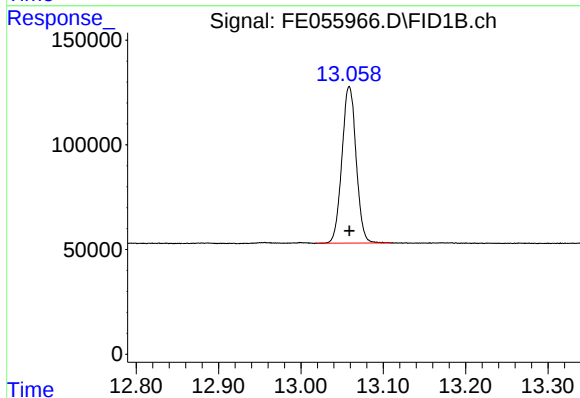
R.T.: 11.744 min
Delta R.T.: 0.000 min
Response: 903131
Conc: 5.33 ug/ml



#9 ortho-Terphenyl (SURR)

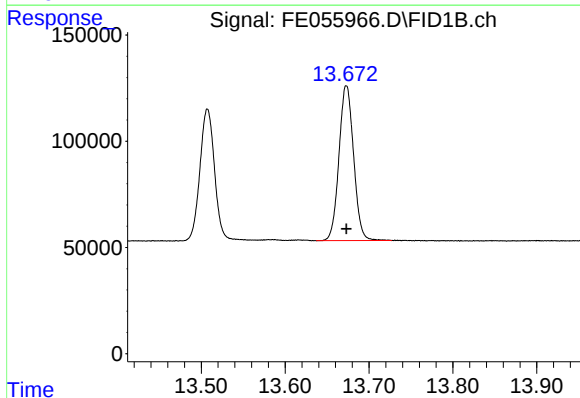
R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 1013713
Conc: 5.40 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



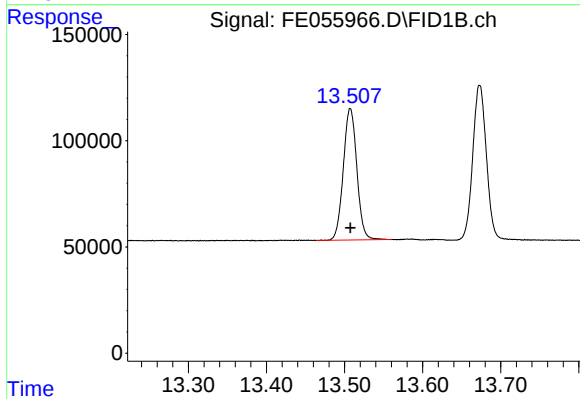
#10 n-Eicosane (C20)

R.T.: 13.059 min
Delta R.T.: 0.000 min
Response: 895641
Conc: 5.40 ug/ml



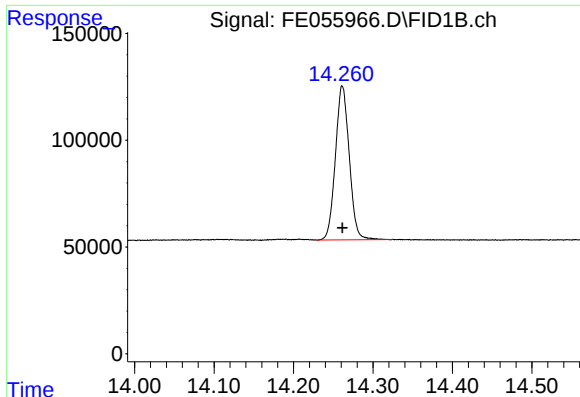
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: 0.000 min
Response: 885060
Conc: 5.45 ug/ml



#12 1-chlorooctadecane (SURR)

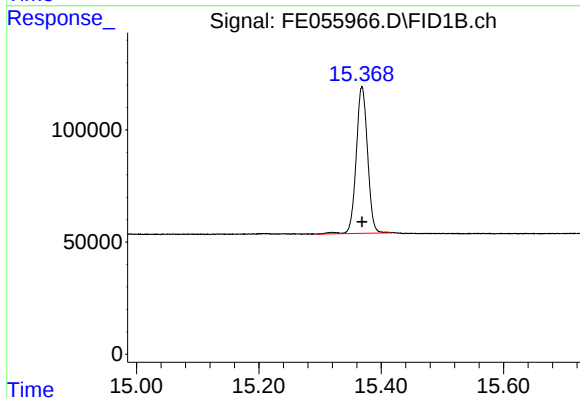
R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 745262
Conc: 5.34 ug/ml



#13 n-Docosane (C22)

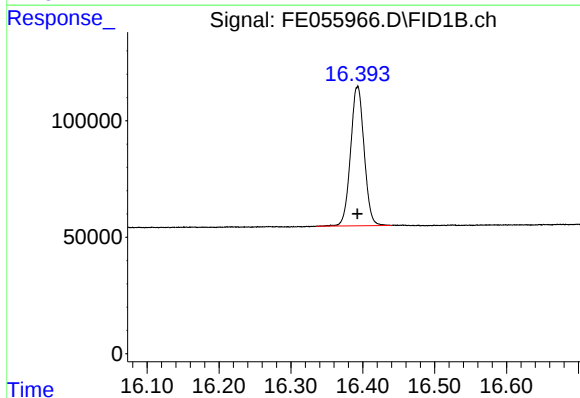
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 874093
Conc: 5.47 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



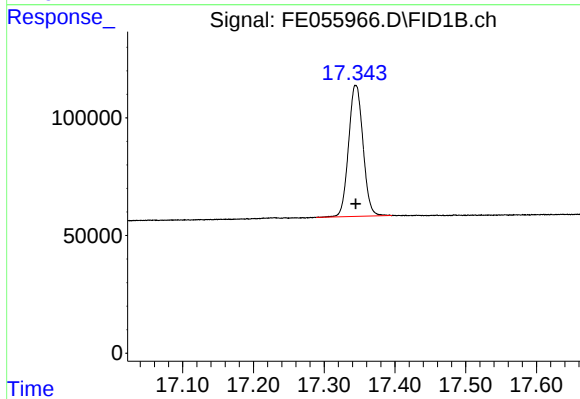
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 839256
Conc: 5.51 ug/ml



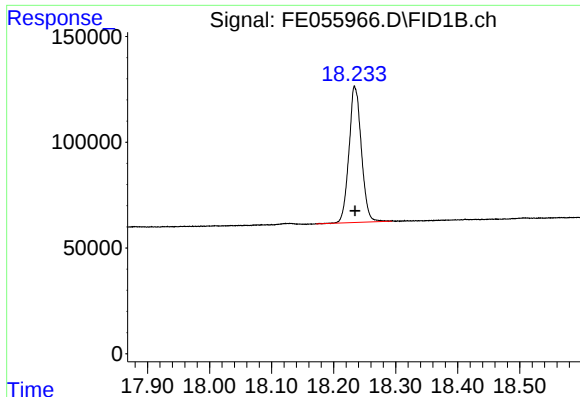
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 781387
Conc: 5.48 ug/ml



#16 n-Octacosane (C28)

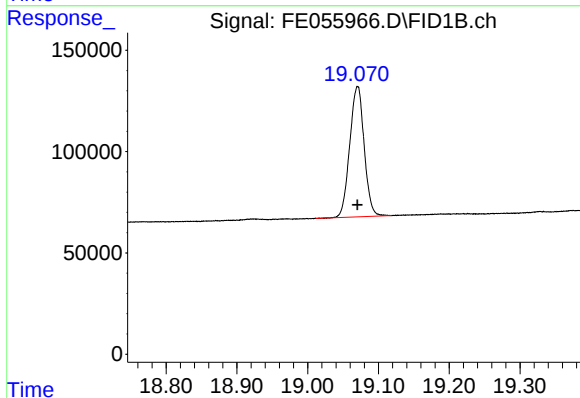
R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 788239
Conc: 5.66 ug/ml



#17 n-Tricontane (C30)

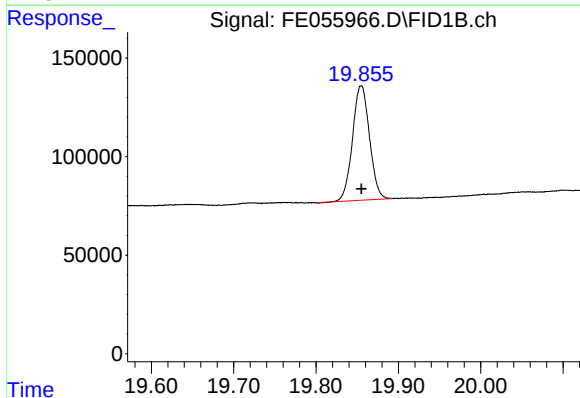
R.T.: 18.235 min
Delta R.T.: 0.000 min
Response: 889830
Conc: 6.01 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



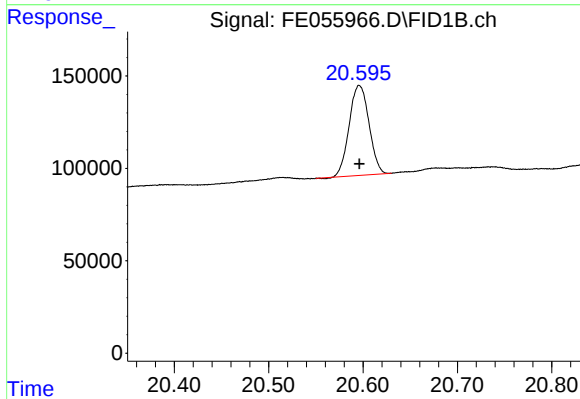
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 910224
Conc: 6.10 ug/ml



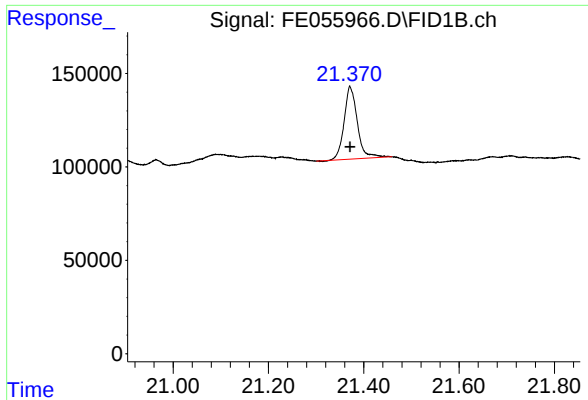
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 831525
Conc: 5.88 ug/ml



#20 n-Hexatriacontane (C36)

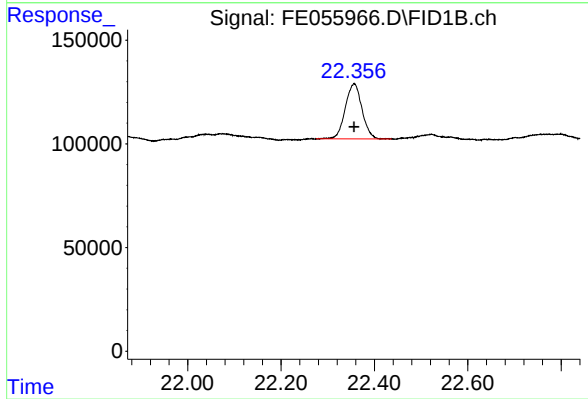
R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 709931
Conc: 5.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.372 min
Delta R.T.: 0.000 min
Response: 745994
Conc: 5.68 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.356 min
Delta R.T.: 0.000 min
Response: 657258
Conc: 5.52 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055966.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:08
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.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	3.408	3.367	3.459	BB	67953	693246	68.39%	3.909%
2	4.667	4.639	4.709	BB	70375	706292	69.67%	3.982%
3	6.388	6.349	6.450	BB	77149	790843	78.01%	4.459%
4	6.843	6.809	6.887	BB	72831	724977	71.52%	4.088%
5	7.489	7.445	7.559	BB	71709	768994	75.86%	4.336%
6	8.679	8.649	8.729	BB	72794	757520	74.73%	4.271%
7	10.294	10.264	10.344	BB	74847	823386	81.22%	4.643%
8	11.744	11.642	11.790	BB	78656	903131	89.09%	5.092%
9	12.070	12.029	12.119	BB	93200	1013713	100.00%	5.716%
10	13.059	13.019	13.110	BB	74727	895641	88.35%	5.050%
11	13.507	13.464	13.560	BB	62028	745262	73.52%	4.202%
12	13.673	13.637	13.727	BB	72909	885060	87.31%	4.990%
13	14.262	14.229	14.324	BB	71830	874093	86.23%	4.928%
14	15.369	15.294	15.417	BB	65352	839256	82.79%	4.732%
15	16.393	16.335	16.440	BB	60152	781387	77.08%	4.406%
16	17.345	17.289	17.395	BB	55612	788239	77.76%	4.444%
17	18.235	18.172	18.294	BB	63264	889830	87.78%	5.017%
18	19.070	19.012	19.119	BB	64493	910224	89.79%	5.132%
19	19.855	19.800	19.892	BB	58084	831525	82.03%	4.688%
20	20.596	20.550	20.630	BV	48579	709931	70.03%	4.003%
21	21.372	21.300	21.459	BB	38611	745994	73.59%	4.206%
22	22.356	22.275	22.437	BB	26685	657258	64.84%	3.706%
Sum of corrected areas:						17735802		

Aliphatic EPH 092425.M Wed Sep 24 15:38:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055967.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Sep 24 12:56:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.071	3668282	19.548 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
12) S 1-chlorooctadecane (S...	13.508	2728050	19.547 ug/ml
Spiked Amount 50.000		Recovery =	39.09%
Target Compounds			
1) T n-Nonane (C9)	3.411	2817872	20.570 ug/ml
2) T n-Decane (C10)	4.668	2859346	20.488 ug/ml
3) T A~Naphthalene (C11.7)	6.388	3249421	20.352 ug/ml
4) T n-Dodecane (C12)	6.843	2929821	20.413 ug/ml
5) T A~2-methylnaphthalene...	7.488	3143650	20.214 ug/ml
6) T n-Tetradecane (C14)	8.680	2980588	20.160 ug/ml
7) T n-Hexadecane (C16)	10.295	3166204	19.925 ug/ml
8) T n-Octadecane (C18)	11.745	3336057	19.695 ug/ml
10) T n-Eicosane (C20)	13.060	3245046	19.576 ug/ml
11) T n-Heneicosane (C21)	13.674	3169164	19.504 ug/ml
13) T n-Docosane (C22)	14.262	3099587	19.398 ug/ml
14) T n-Tetracosane (C24)	15.369	2928176	19.216 ug/ml
15) T n-Hexacosane (C26)	16.393	2744599	19.243 ug/ml
16) T n-Octacosane (C28)	17.346	2675215	19.204 ug/ml
17) T n-Tricontane (C30)	18.236	2835374	19.135 ug/ml
18) T n-Dotriacontane (C32)	19.070	2865562	19.206 ug/ml
19) T n-Tetratriacontane (C34)	19.855	2719117	19.223 ug/ml
20) T n-Hexatriacontane (C36)	20.597	2416072	18.821 ug/ml
21) T n-Octatriacontane (C38)	21.374	2366982	18.021 ug/ml
22) T n-Tetracontane (C40)	22.357	2042298	17.167 ug/ml

(f)=RT Delta > 1/2 Window

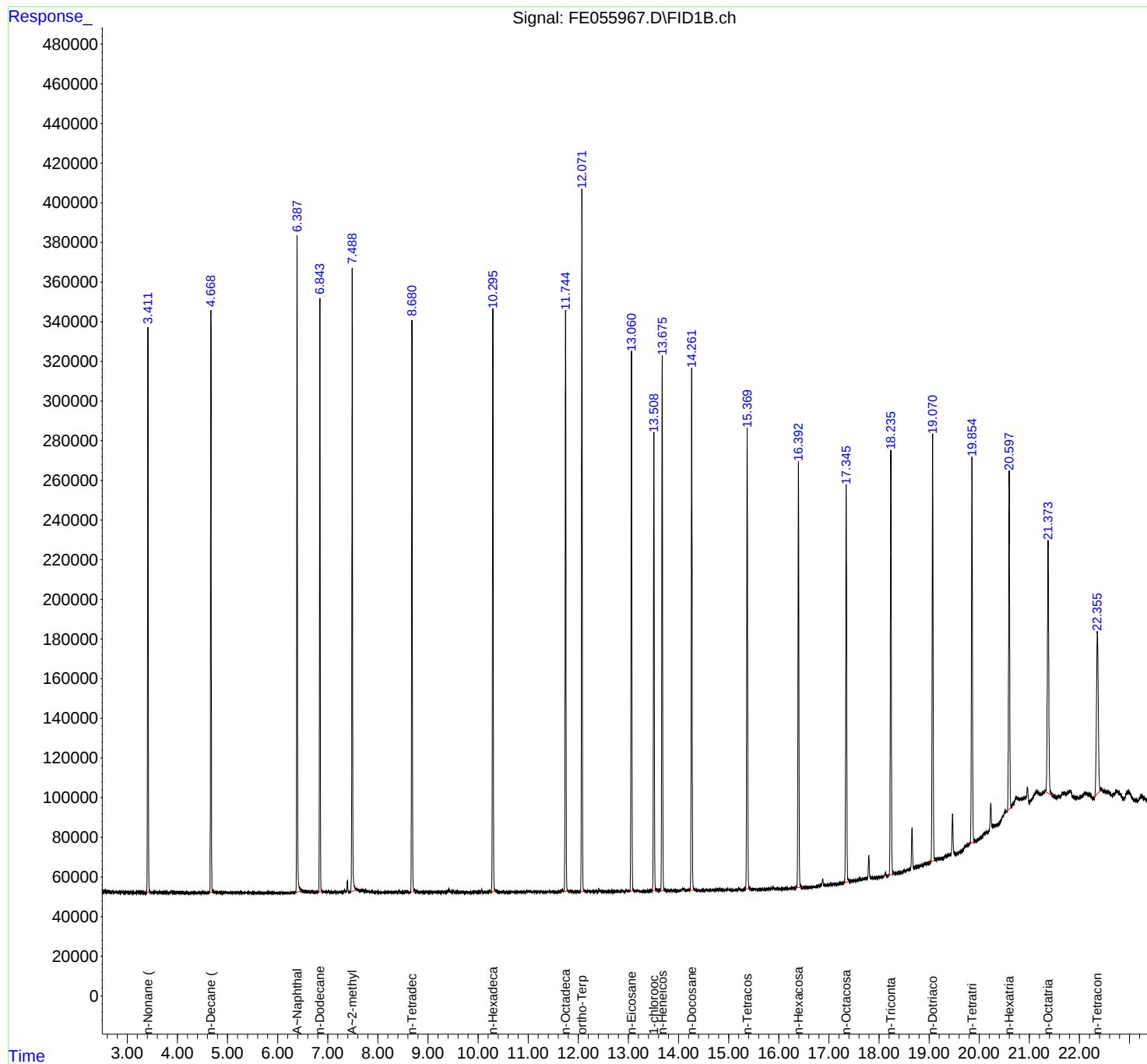
(m)=manual int.

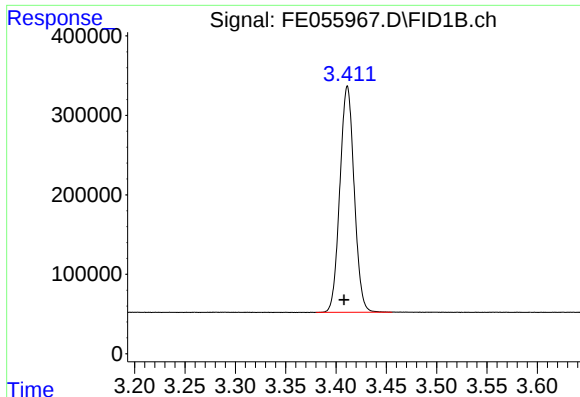
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055967.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 11:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 24 12:56:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 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)

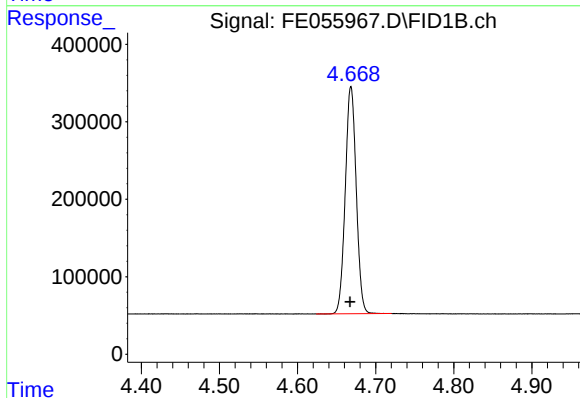
R.T.: 3.411 min
Delta R.T.: 0.003 min
Response: 2817872
Conc: 20.57 ug/ml

Instrument :

FID_E

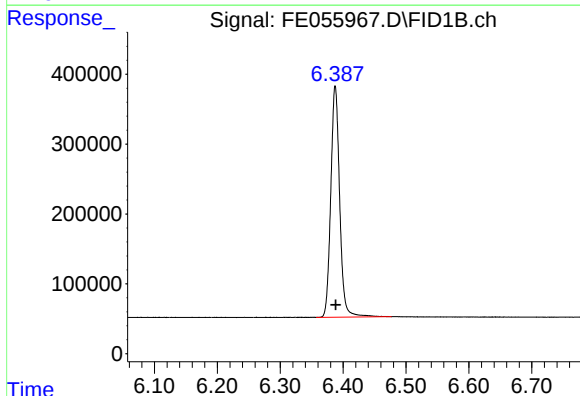
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



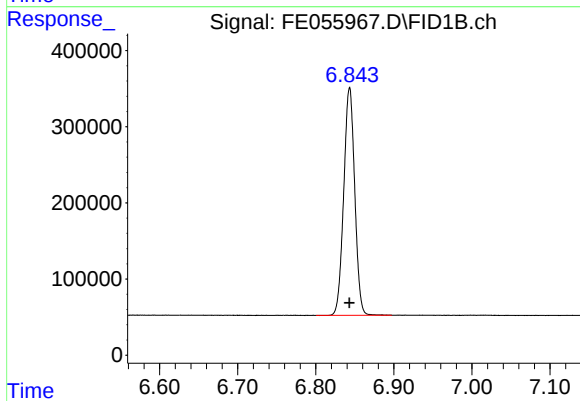
#2 n-Decane (C10)

R.T.: 4.668 min
Delta R.T.: 0.001 min
Response: 2859346
Conc: 20.49 ug/ml



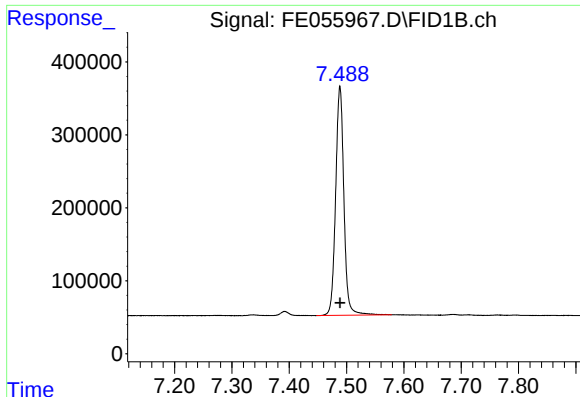
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 3249421
Conc: 20.35 ug/ml



#4 n-Dodecane (C12)

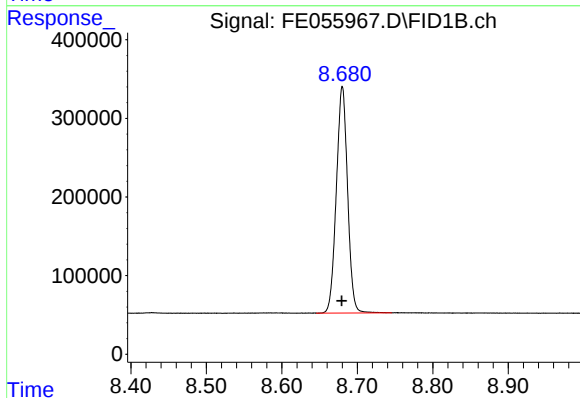
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 2929821
Conc: 20.41 ug/ml



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

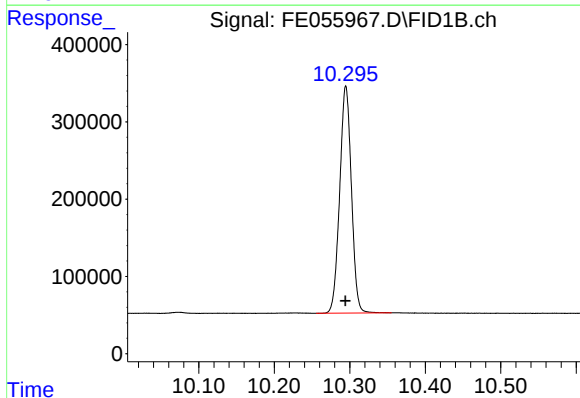
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 3143650
Conc: 20.21 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



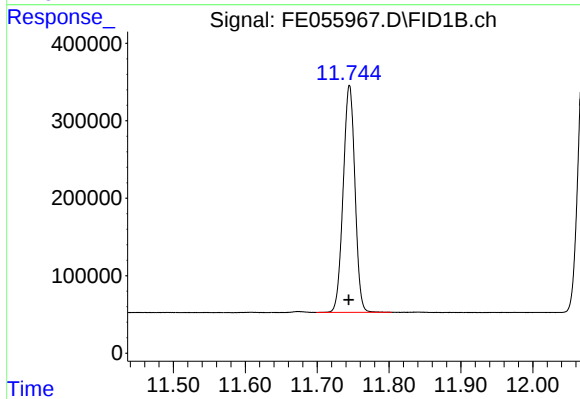
#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 2980588
Conc: 20.16 ug/ml



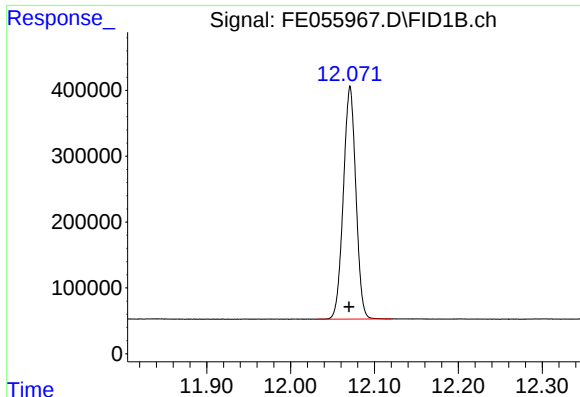
#7 n-Hexadecane (C16)

R.T.: 10.295 min
Delta R.T.: 0.000 min
Response: 3166204
Conc: 19.92 ug/ml



#8 n-Octadecane (C18)

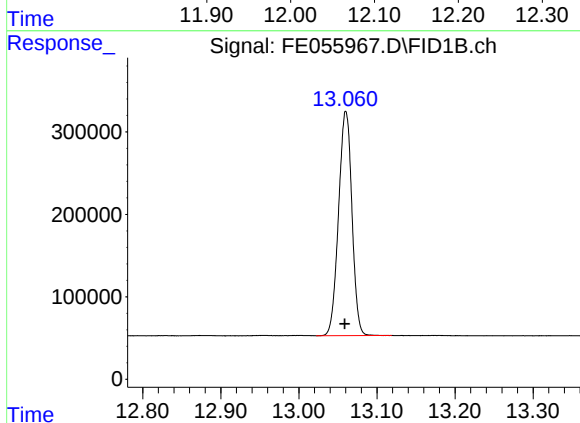
R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 3336057
Conc: 19.70 ug/ml



#9 ortho-Terphenyl (SURR)

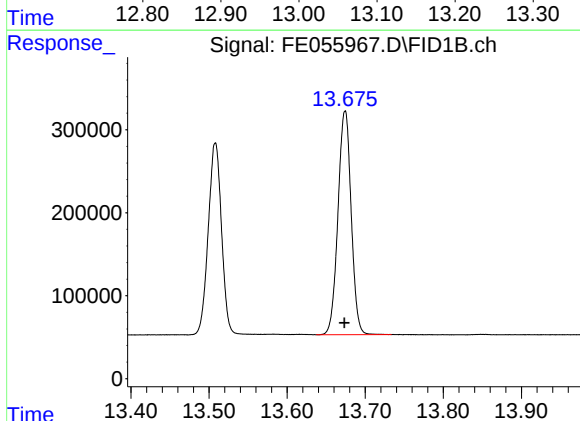
R.T.: 12.071 min
Delta R.T.: 0.001 min
Response: 3668282
Conc: 19.55 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



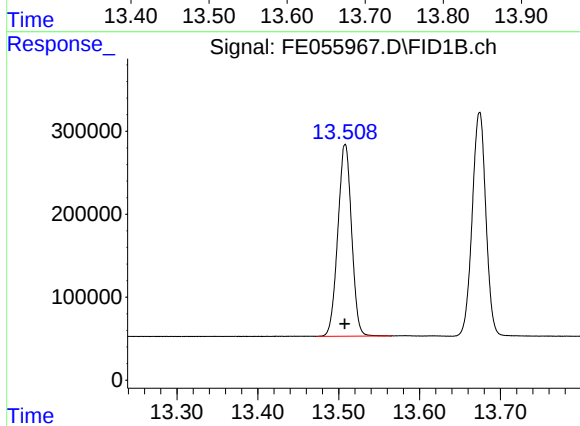
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: 0.001 min
Response: 3245046
Conc: 19.58 ug/ml



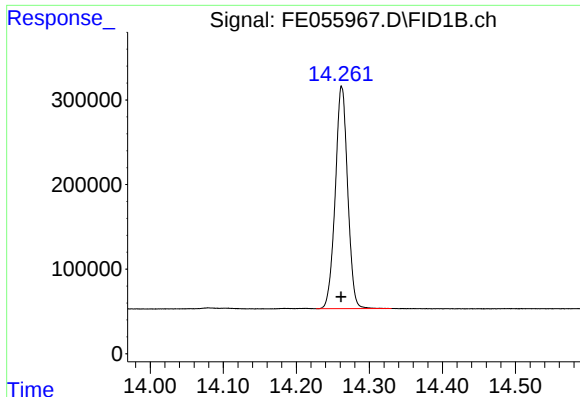
#11 n-Heneicosane (C21)

R.T.: 13.674 min
Delta R.T.: 0.000 min
Response: 3169164
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2728050
Conc: 19.55 ug/ml



#13 n-Docosane (C22)

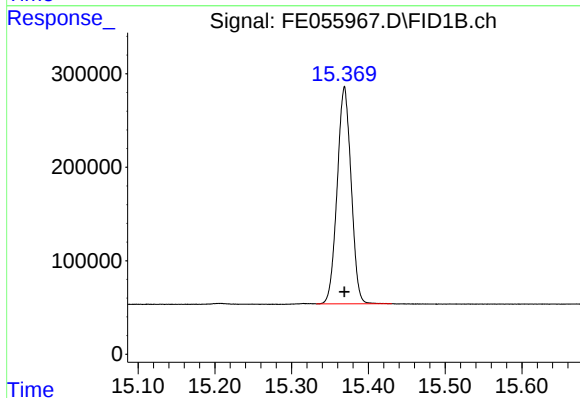
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 3099587
Conc: 19.40 ug/ml

Instrument :

FID_E

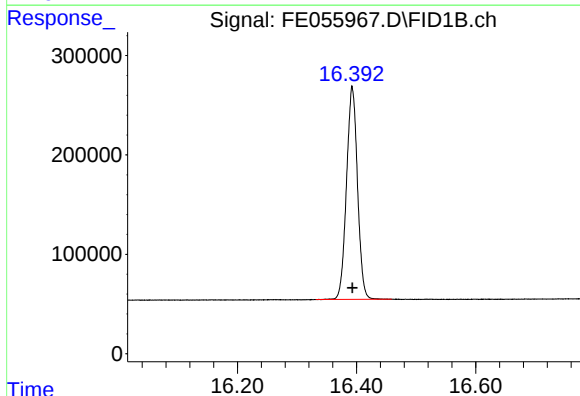
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



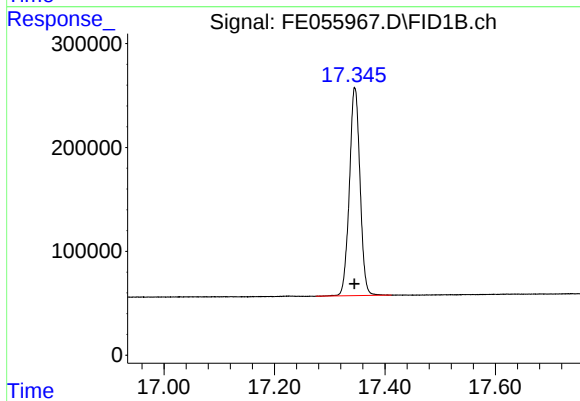
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 2928176
Conc: 19.22 ug/ml



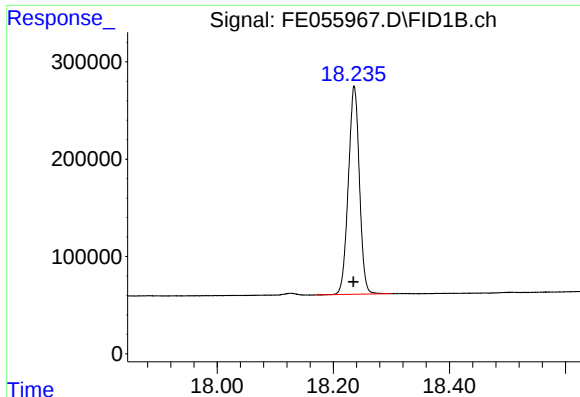
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 2744599
Conc: 19.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: 0.000 min
Response: 2675215
Conc: 19.20 ug/ml



#17 n-Tricontane (C30)

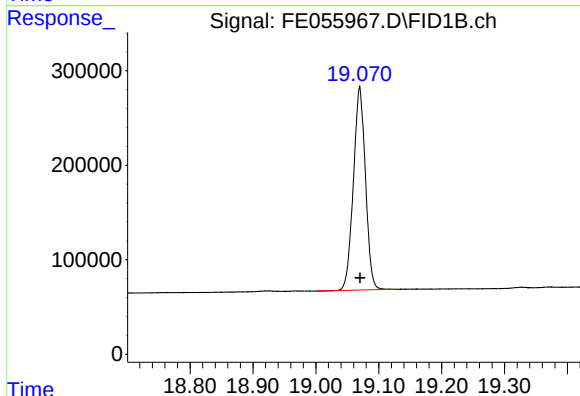
R.T.: 18.236 min
Delta R.T.: 0.002 min
Response: 2835374
Conc: 19.13 ug/ml

Instrument :

FID_E

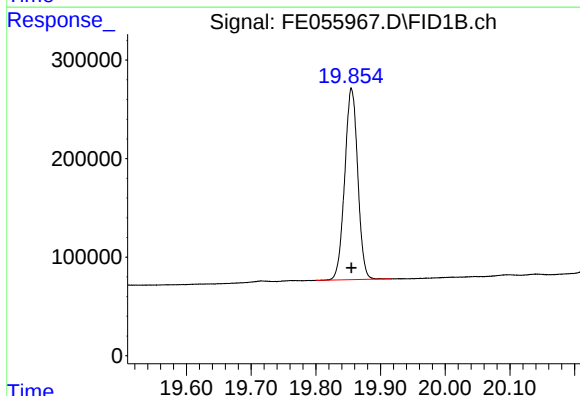
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



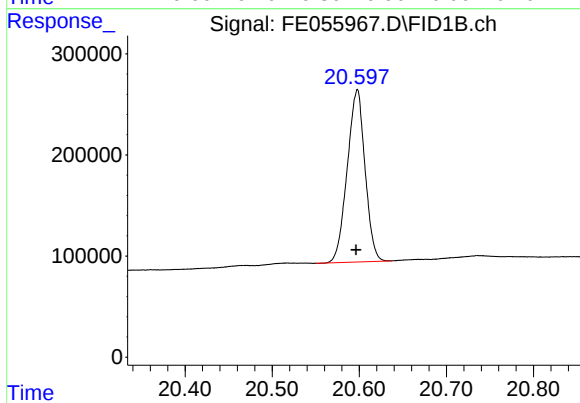
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 2865562
Conc: 19.21 ug/ml



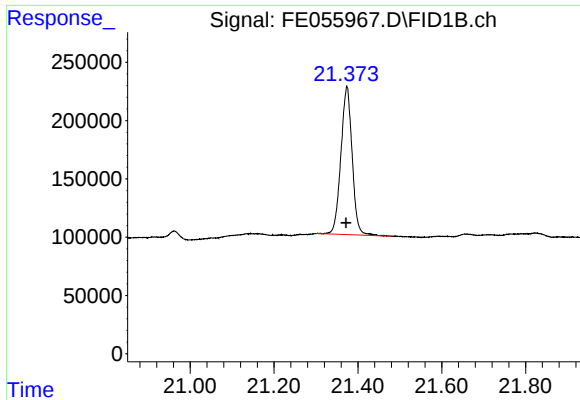
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 2719117
Conc: 19.22 ug/ml



#20 n-Hexatriacontane (C36)

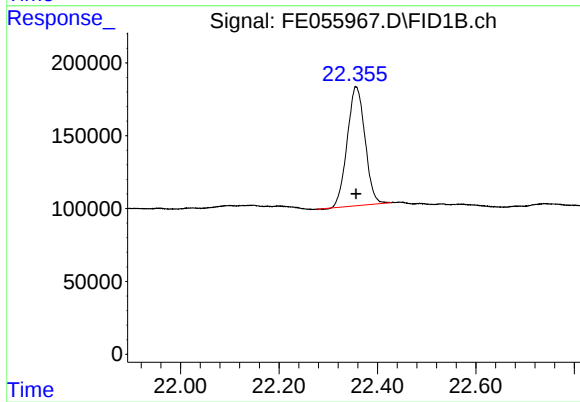
R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2416072
Conc: 18.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.374 min
Delta R.T.: 0.002 min
Response: 2366982
Conc: 18.02 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.357 min
Delta R.T.: 0.000 min
Response: 2042298
Conc: 17.17 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055967.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:39
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.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	3.411	3.380	3.455	BB	285220	2817872	76.82%	4.404%
2	4.668	4.624	4.720	BB	293455	2859346	77.95%	4.469%
3	6.388	6.357	6.477	BB	331697	3249421	88.58%	5.078%
4	6.843	6.800	6.897	BB	299925	2929821	79.87%	4.579%
5	7.488	7.447	7.579	BB	314271	3143650	85.70%	4.913%
6	8.680	8.645	8.745	BB	288401	2980588	81.25%	4.658%
7	10.295	10.255	10.355	BB	293683	3166204	86.31%	4.948%
8	11.745	11.699	11.804	BB	293541	3336057	90.94%	5.214%
9	12.071	12.030	12.120	BB	352970	3668282	100.00%	5.733%
10	13.060	13.022	13.119	BB	272237	3245046	88.46%	5.071%
11	13.508	13.472	13.565	BB	231703	2728050	74.37%	4.263%
12	13.674	13.637	13.734	BB	270029	3169164	86.39%	4.953%
13	14.262	14.227	14.330	BB	262720	3099587	84.50%	4.844%
14	15.369	15.332	15.430	BB	232304	2928176	79.82%	4.576%
15	16.393	16.332	16.459	BB	214476	2744599	74.82%	4.289%
16	17.346	17.275	17.412	BB	200293	2675215	72.93%	4.181%
17	18.236	18.170	18.300	BB	214339	2835374	77.29%	4.431%
18	19.070	19.000	19.120	BB	215278	2865562	78.12%	4.478%
19	19.855	19.800	19.917	BB	193722	2719117	74.13%	4.250%
20	20.597	20.550	20.637	BV	169926	2416072	65.86%	3.776%
21	21.374	21.300	21.480	BB	127571	2366982	64.53%	3.699%
22	22.357	22.275	22.429	BB	81304	2042298	55.67%	3.192%
Sum of corrected areas:							63986485	

Aliphatic EPH 092425.M Wed Sep 24 15:38:29 2025