Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080425AL\
Data File : FC069574.D
Signal(s) : FID1A.ch
Acq On : 04 Aug 2025 10:09
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 05 01:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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)	11.671	2554497	17.123 ug/ml
Spiked Amount	50.000		Recovery =	34.25%
12)	S 1-chlorooctadecane (S...	13.107	1893826	17.371 ug/ml
Spiked Amount	50.000		Recovery =	34.74%
	Target Compounds			
1)	T n-Nonane (C9)	3.402	2423603	17.011 ug/ml
2)	T n-Decane (C10)	4.474	2464978	16.955 ug/ml
3)	T A~Naphthalene (C11.7)	6.070	2647172	17.061 ug/ml
4)	T n-Dodecane (C12)	6.499	2482172	16.980 ug/ml
5)	T A~2-methylnaphthalene...	7.131	2515988	17.084 ug/ml
6)	T n-Tetradecane (C14)	8.299	2430786	17.033 ug/ml
7)	T n-Hexadecane (C16)	9.903	2468368	17.122 ug/ml
8)	T n-Octadecane (C18)	11.348	2433714	17.210 ug/ml
10)	T n-Eicosane (C20)	12.660	2265862	17.201 ug/ml
11)	T n-Heneicosane (C21)	13.273	2190686	17.176 ug/ml
13)	T n-Docosane (C22)	13.860	2143609	17.160 ug/ml
14)	T n-Tetracosane (C24)	14.965	2060021	17.071 ug/ml
15)	T n-Hexacosane (C26)	15.988	1961882	16.979 ug/ml
16)	T n-Octacosane (C28)	16.940	1867345	16.660 ug/ml
17)	T n-Tricontane (C30)	17.829	1836257	16.038 ug/ml
18)	T n-Dotriacontane (C32)	18.663	1742649	15.688 ug/ml
19)	T n-Tetratriacontane (C34)	19.448	1612262	15.834 ug/ml
20)	T n-Hexatriacontane (C36)	20.189	1442896	16.182 ug/ml
21)	T n-Octatriacontane (C38)	20.955	1323418	16.452 ug/ml
22)	T n-Tetracontane (C40)	21.921	1264977	16.893 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

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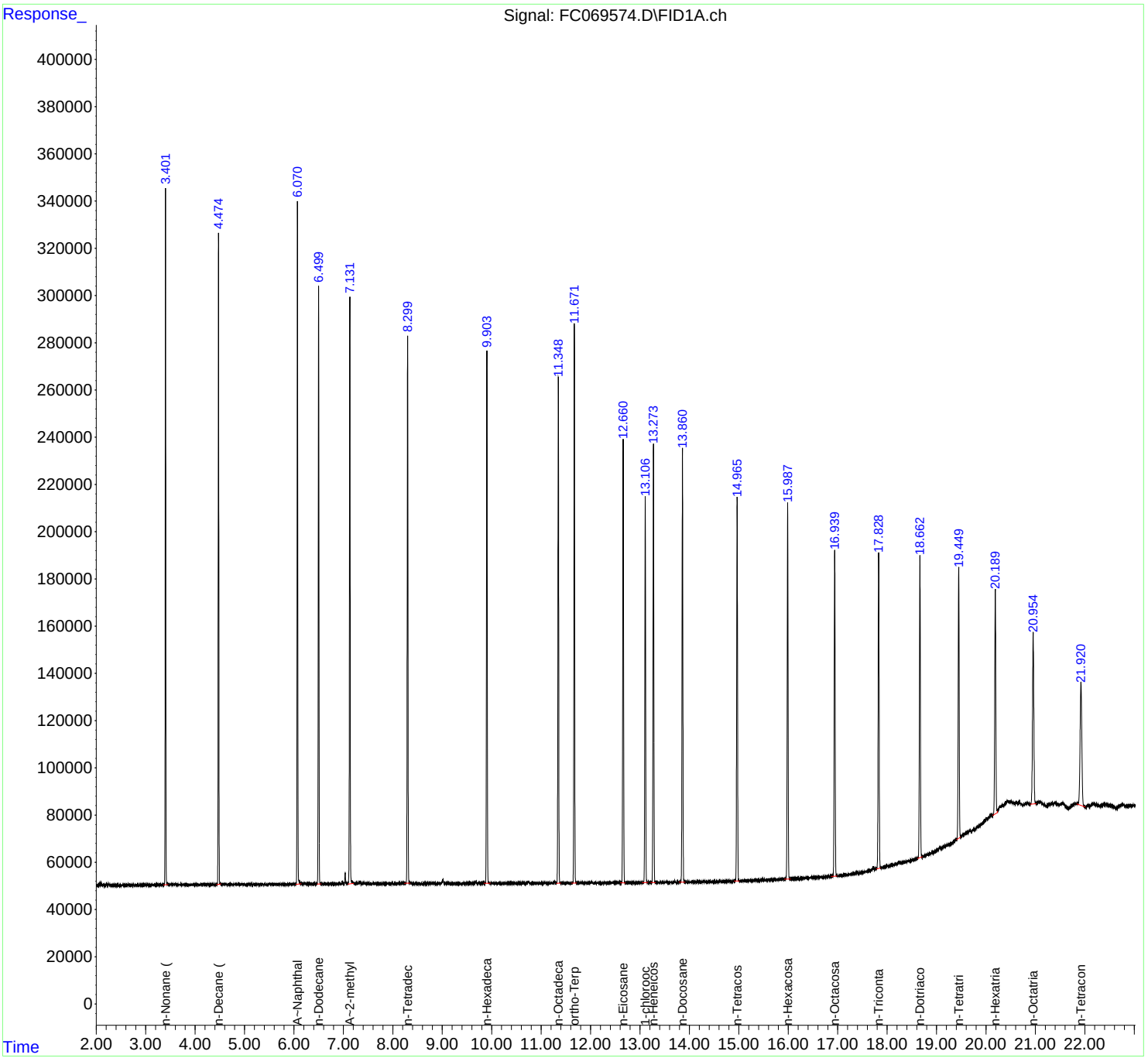
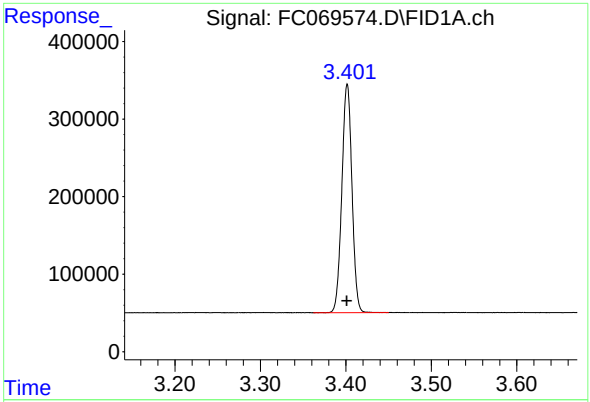
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

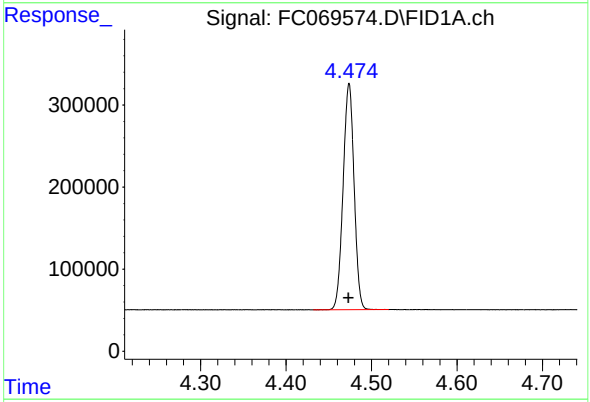




#1 n-Nonane (C9)

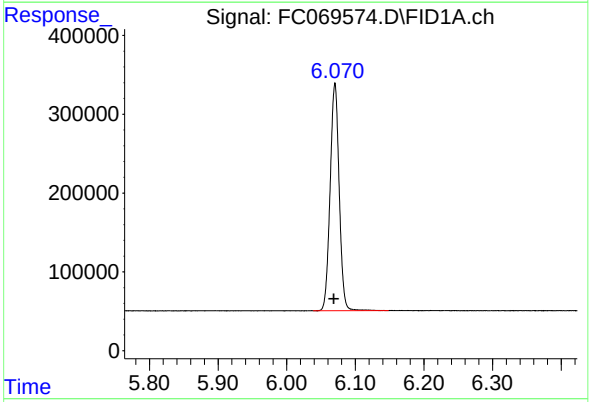
R.T.: 3.402 min
Delta R.T.: 0.000 min
Response: 2423603
Conc: 17.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



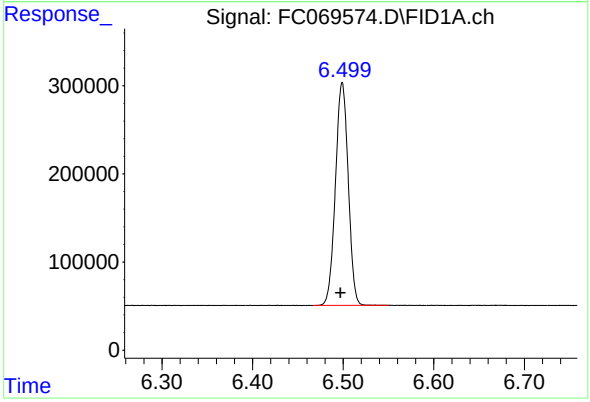
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.000 min
Response: 2464978
Conc: 16.96 ug/ml



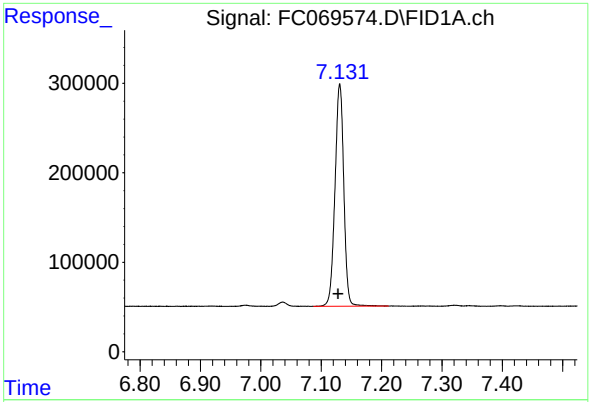
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: 0.002 min
Response: 2647172
Conc: 17.06 ug/ml



#4 n-Dodecane (C12)

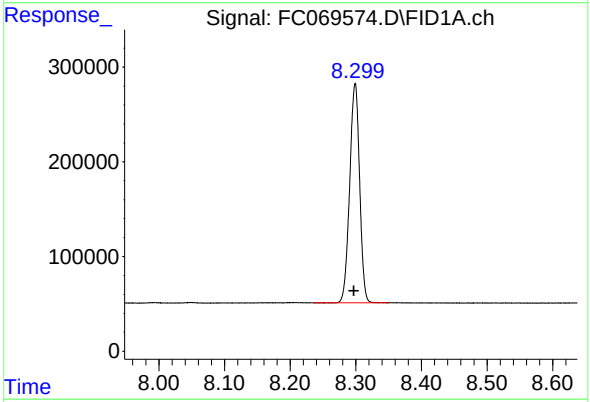
R.T.: 6.499 min
Delta R.T.: 0.002 min
Response: 2482172
Conc: 16.98 ug/ml



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

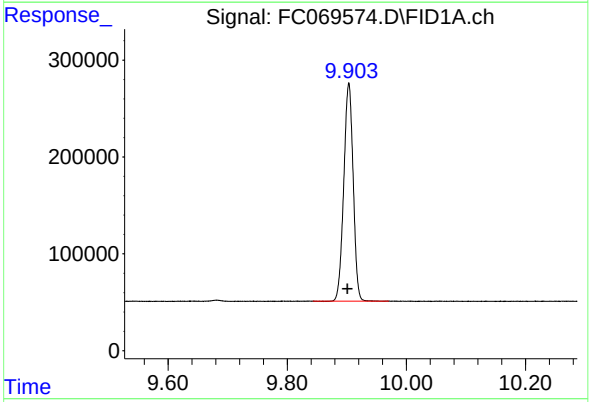
R.T.: 7.131 min
Delta R.T.: 0.003 min
Response: 2515988
Conc: 17.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



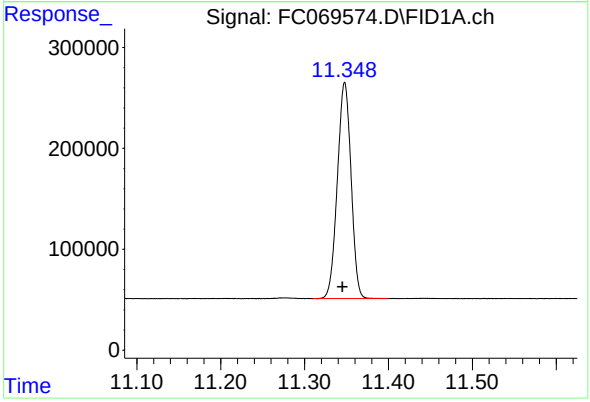
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: 0.002 min
Response: 2430786
Conc: 17.03 ug/ml



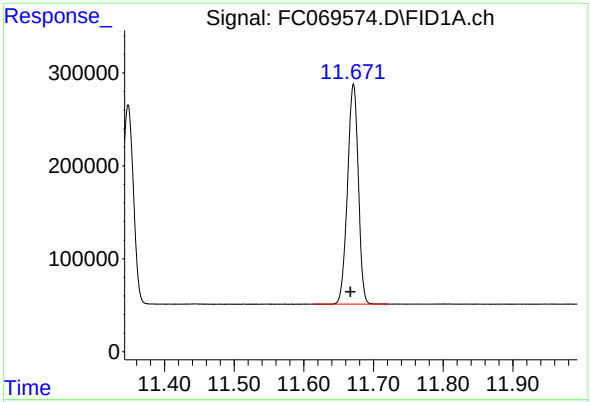
#7 n-Hexadecane (C16)

R.T.: 9.903 min
Delta R.T.: 0.002 min
Response: 2468368
Conc: 17.12 ug/ml



#8 n-Octadecane (C18)

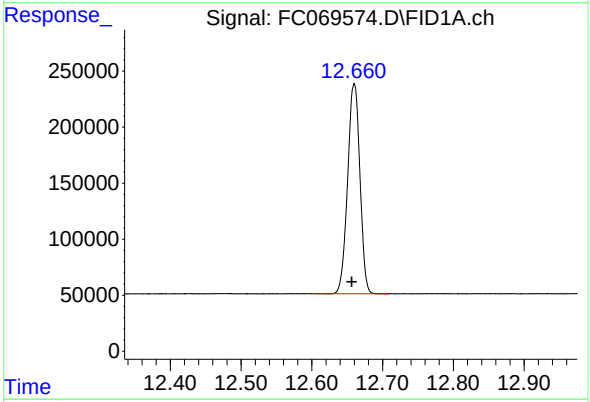
R.T.: 11.348 min
Delta R.T.: 0.003 min
Response: 2433714
Conc: 17.21 ug/ml



#9 ortho-Terphenyl (SURR)

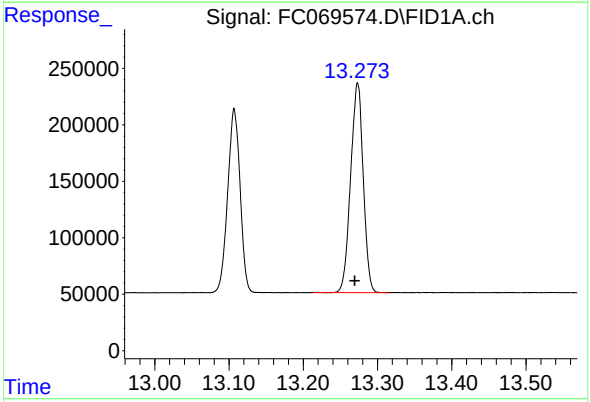
R.T.: 11.671 min
Delta R.T.: 0.004 min
Response: 2554497
Conc: 17.12 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



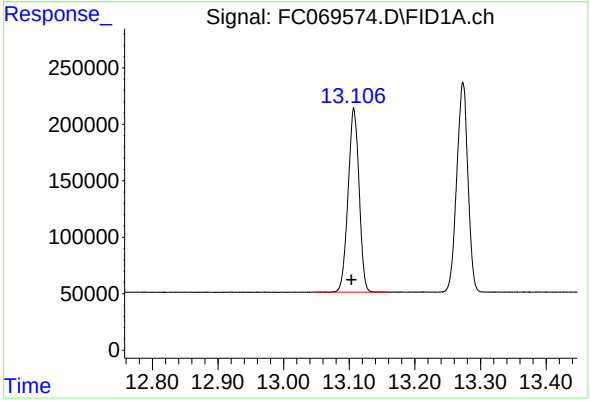
#10 n-Eicosane (C20)

R.T.: 12.660 min
Delta R.T.: 0.004 min
Response: 2265862
Conc: 17.20 ug/ml



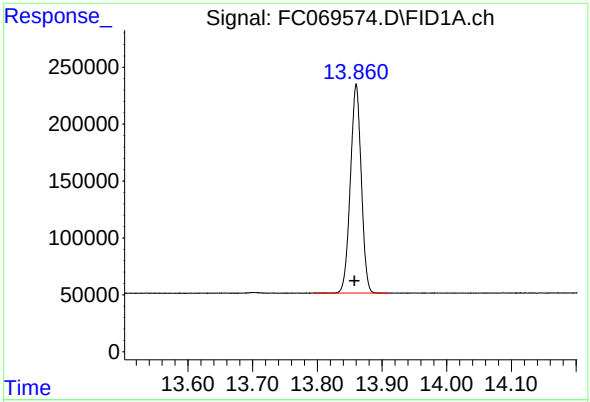
#11 n-Heneicosane (C21)

R.T.: 13.273 min
Delta R.T.: 0.004 min
Response: 2190686
Conc: 17.18 ug/ml



#12 1-chlorooctadecane (SURR)

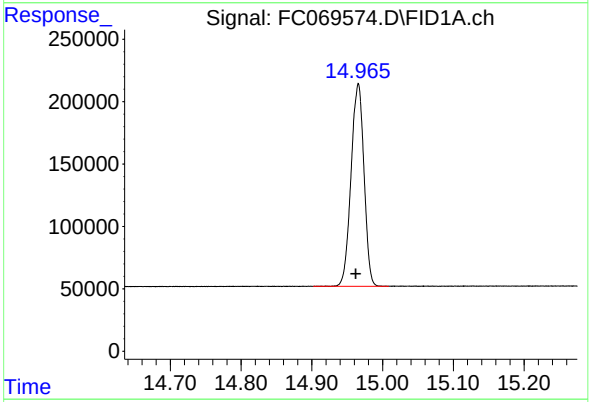
R.T.: 13.107 min
Delta R.T.: 0.004 min
Response: 1893826
Conc: 17.37 ug/ml



#13 n-Docosane (C22)

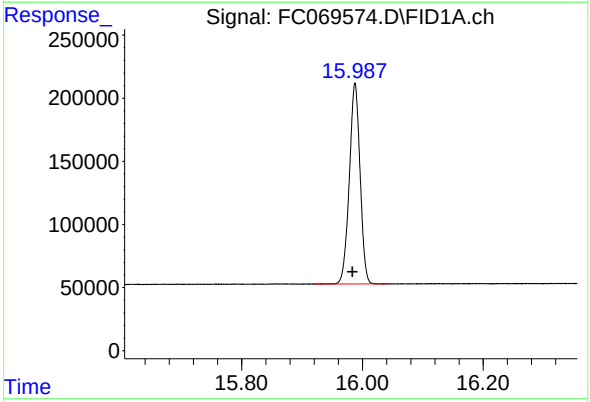
R.T.: 13.860 min
Delta R.T.: 0.003 min
Response: 2143609
Conc: 17.16 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



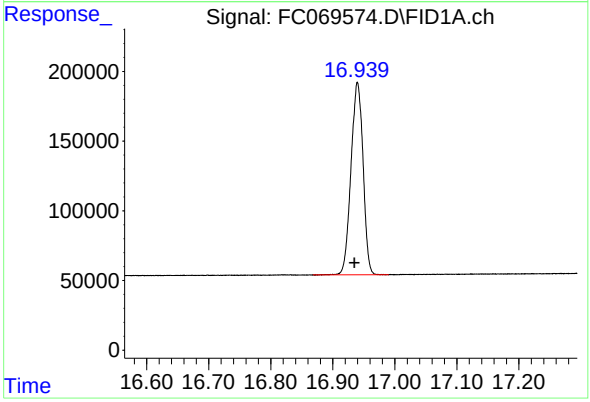
#14 n-Tetracosane (C24)

R.T.: 14.965 min
Delta R.T.: 0.003 min
Response: 2060021
Conc: 17.07 ug/ml



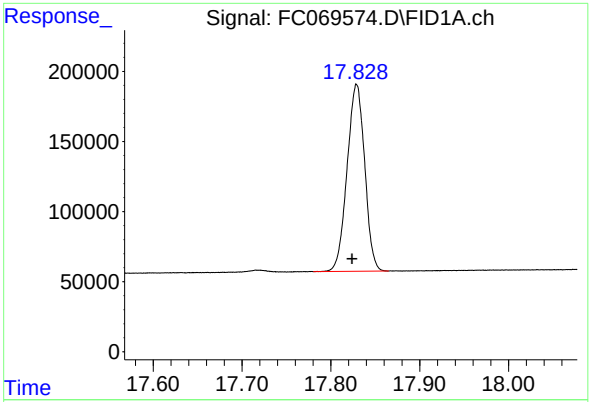
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: 0.004 min
Response: 1961882
Conc: 16.98 ug/ml



#16 n-Octacosane (C28)

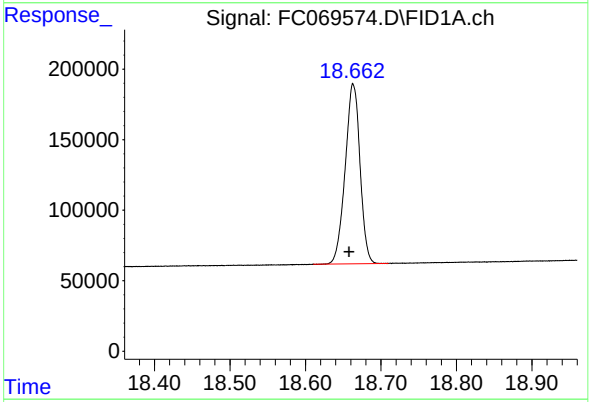
R.T.: 16.940 min
Delta R.T.: 0.005 min
Response: 1867345
Conc: 16.66 ug/ml



#17 n-Tricontane (C30)

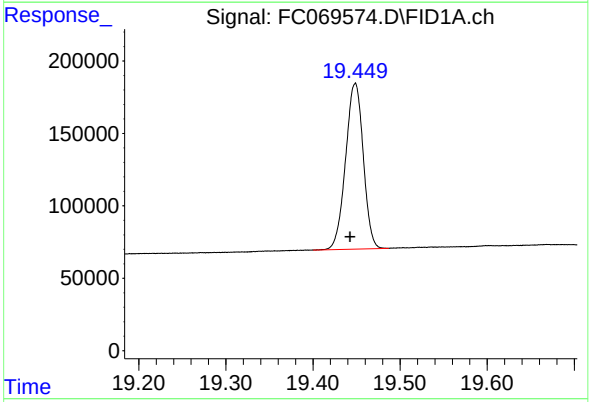
R.T.: 17.829 min
Delta R.T.: 0.005 min
Response: 1836257
Conc: 16.04 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



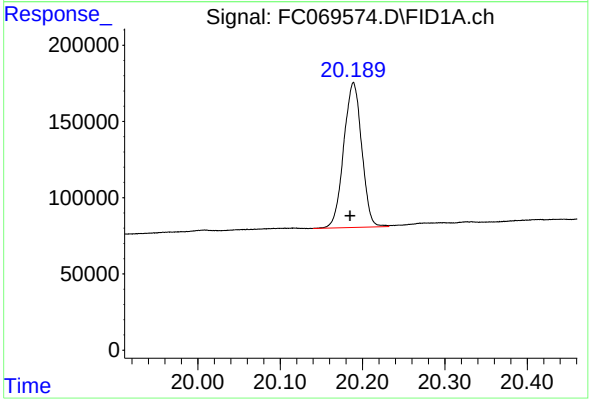
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: 0.006 min
Response: 1742649
Conc: 15.69 ug/ml



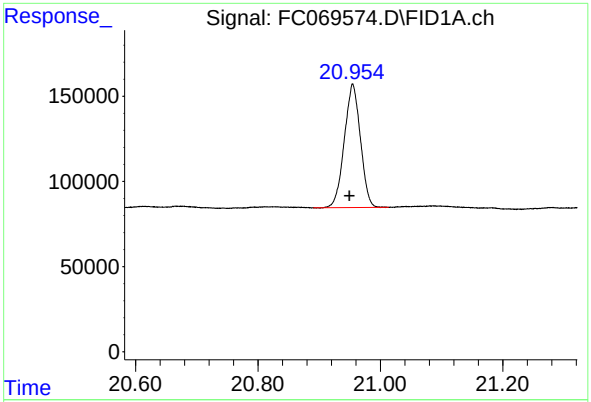
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min
Delta R.T.: 0.006 min
Response: 1612262
Conc: 15.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.189 min
Delta R.T.: 0.004 min
Response: 1442896
Conc: 16.18 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.955 min
Delta R.T.: 0.006 min
Response: 1323418
Conc: 16.45 ug/ml

Instrument :
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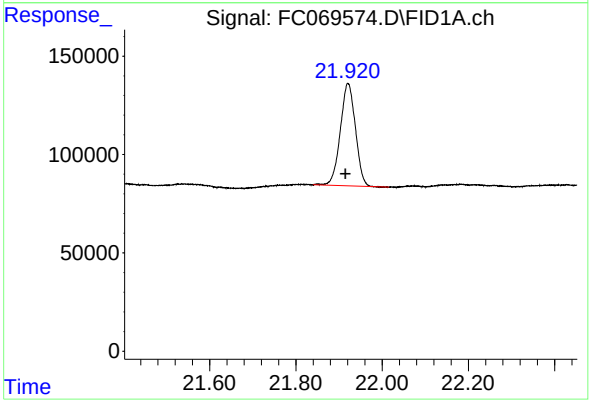

#22 n-Tetracontane (C40)

R.T.: 21.921 min
Delta R.T.: 0.006 min
Response: 1264977
Conc: 16.89 ug/ml