

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072220AL\
 Data File : FC048614.D
 Signal(s) : FID1A.CH
 Acq On : 23 Jul 2020 00:36
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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 7/23/2020 1:08:33 PM

Integration File: autoint1.e
 Quant Time: Jul 23 01:54:10 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 070820.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 08 03:03:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.681	2616207	19.062 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
12) S 1-chlorooctadecane (S...	13.113	2121526	18.827 ug/ml
Spiked Amount 50.000		Recovery =	37.65%
Target Compounds			
1) T n-Nonane (C9)	3.416	2489521	20.884 ug/ml
2) T n-Decane (C10)	4.490	2535168	21.062 ug/ml
3) T A~Naphthalene (C11.7)	6.086	2820374	20.958 ug/ml
4) T n-Dodecane (C12)	6.515	2572704	21.029 ug/ml
5) T A~2-methylnaphthalene...	7.146	2868328	20.810 ug/ml
6) T n-Tetradecane (C14)	8.313	2552479	20.720 ug/ml
7) T n-Hexadecane (C16)	9.916	2497556	20.403 ug/ml
8) T n-Octadecane (C18)	11.359	2547133	19.902 ug/ml
10) T n-Eicosane (C20)	12.668	2505192	19.370 ug/ml
11) T n-Heneicosane (C21)	13.280	2464044	19.009 ug/ml
13) T n-Docosane (C22)	13.867	2436493	18.766 ug/ml
14) T n-Tetracosane (C24)	14.968	2342501	17.870 ug/ml
15) T n-Hexacosane (C26)	15.988	2237983	17.211 ug/ml
16) T n-Octacosane (C28)	16.936	2159147	16.524 ug/ml
17) T n-Tricontane (C30)	17.824	2062538	16.044 ug/ml
18) T n-Dotriacontane (C32)	18.654	1861466	15.756 ug/ml
19) T n-Tetratriacontane (C34)	19.435	1721250	15.420 ug/ml
20) T n-Hexatriacontane (C36)	20.174	1669988	15.878 ug/mlm
21) T n-Octatriacontane (C38)	20.927	1709988	17.419 ug/mlm
22) T n-Tetracontane (C40)	21.883	1596761	16.431 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 2 Sample Multiplier: 1

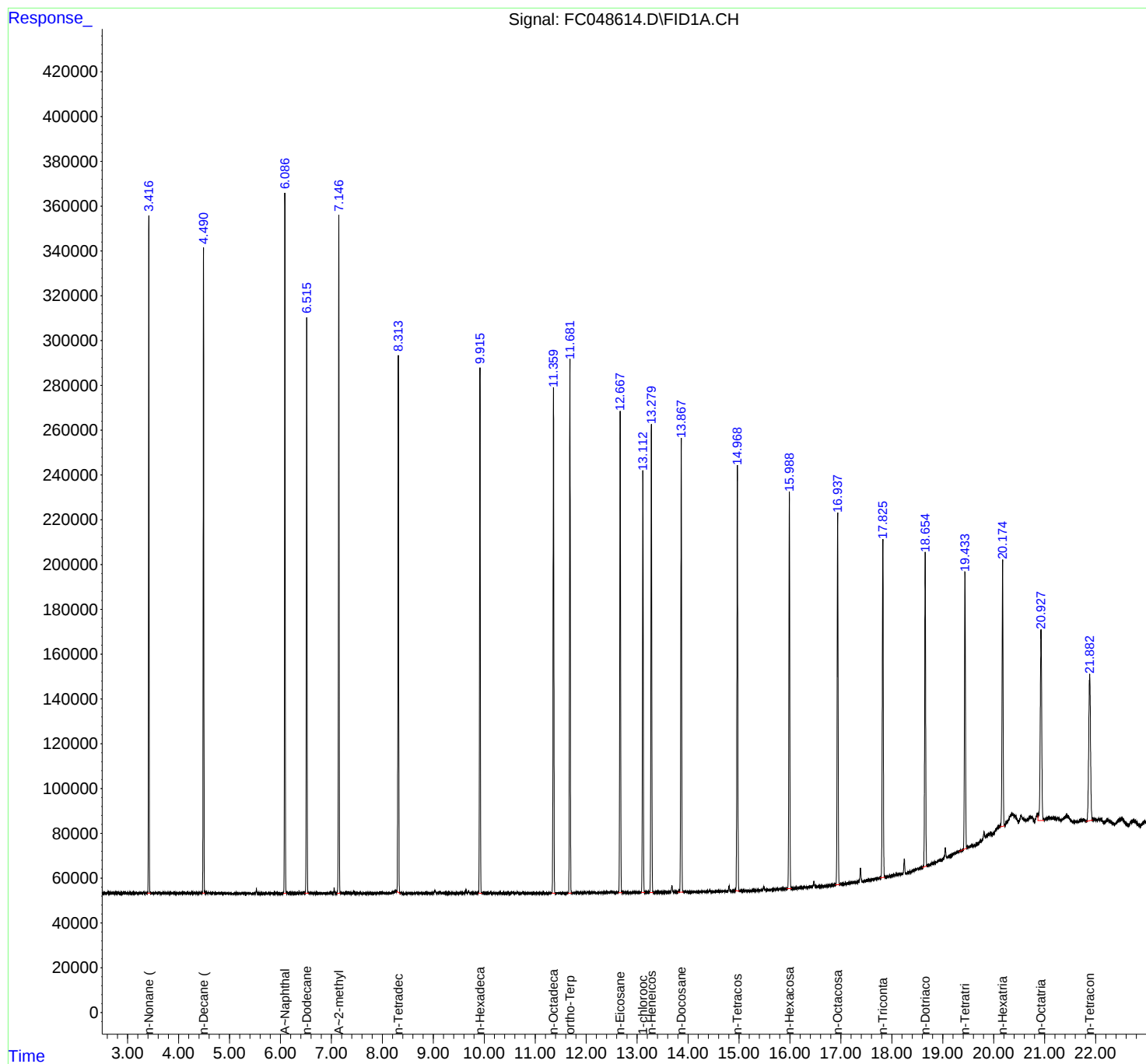
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

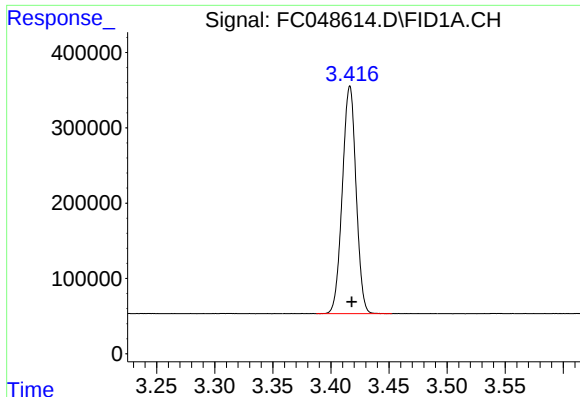
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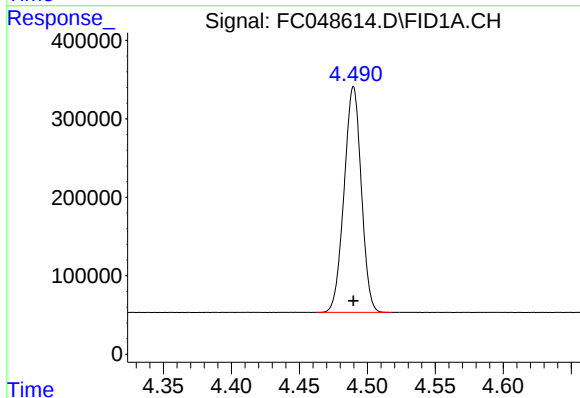
#1 n-Nonane (C9)

R.T.: 3.416 min
Delta R.T.: -0.002 min
Response: 2489521
Conc: 20.88 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

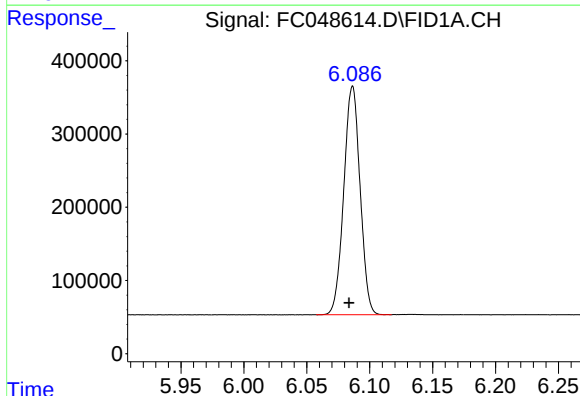
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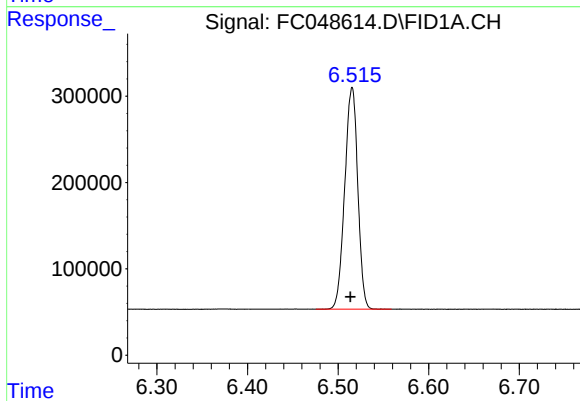
#2 n-Decane (C10)

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 2535168
Conc: 21.06 ug/ml



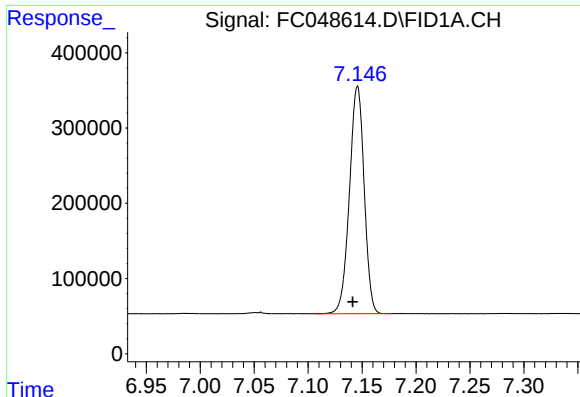
#3 A~Naphthalene (C11.7)

R.T.: 6.086 min
Delta R.T.: 0.003 min
Response: 2820374
Conc: 20.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.515 min
Delta R.T.: 0.002 min
Response: 2572704
Conc: 21.03 ug/ml



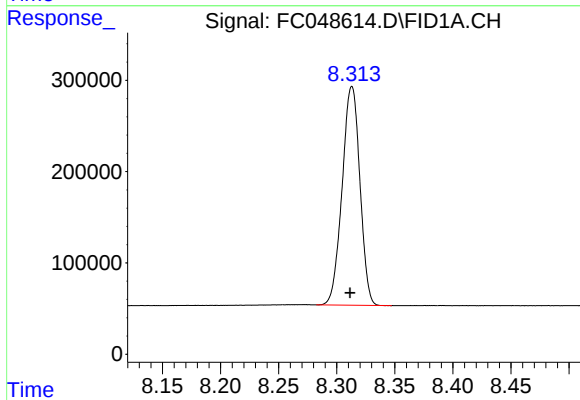
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.146 min
Delta R.T.: 0.004 min
Response: 2868328
Conc: 20.81 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

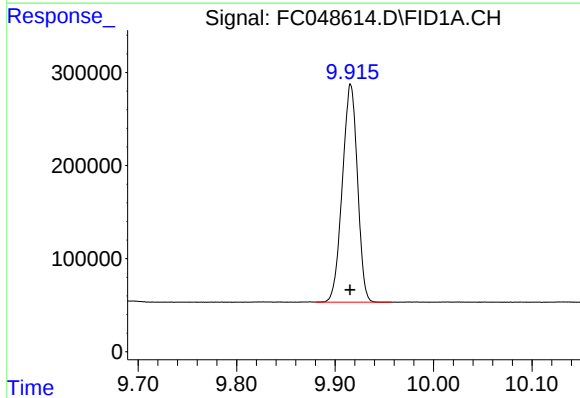
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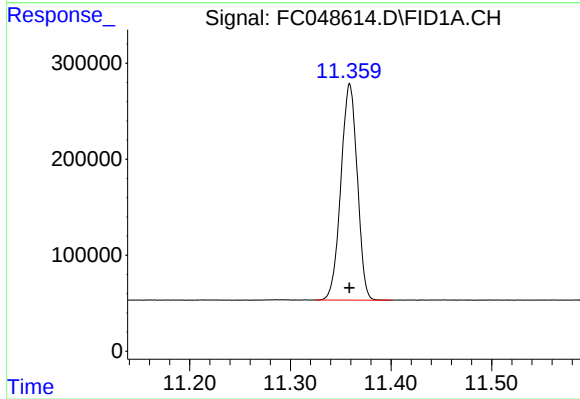
#6 n-Tetradecane (C14)

R.T.: 8.313 min
Delta R.T.: 0.002 min
Response: 2552479
Conc: 20.72 ug/ml



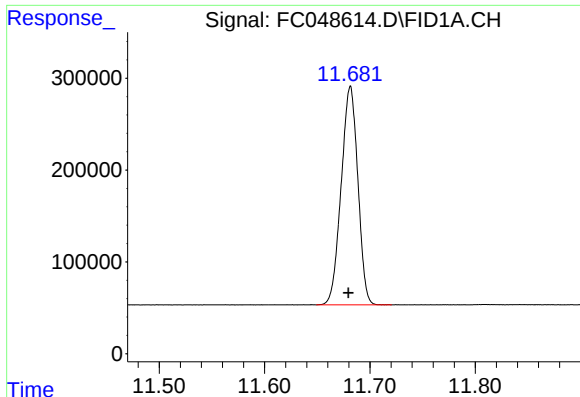
#7 n-Hexadecane (C16)

R.T.: 9.916 min
Delta R.T.: 0.000 min
Response: 2497556
Conc: 20.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.359 min
Delta R.T.: 0.000 min
Response: 2547133
Conc: 19.90 ug/ml



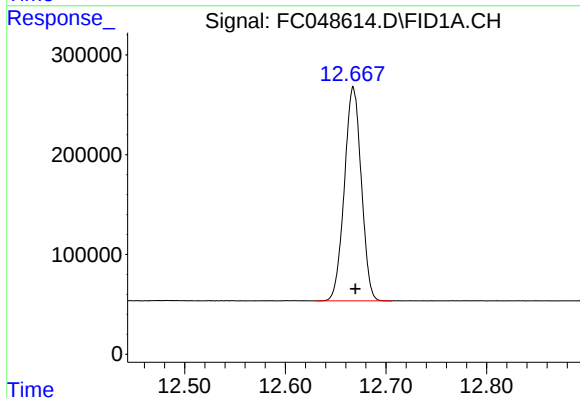
#9 ortho-Terphenyl (SURR)

R.T.: 11.681 min
Delta R.T.: 0.002 min
Response: 2616207
Conc: 19.06 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

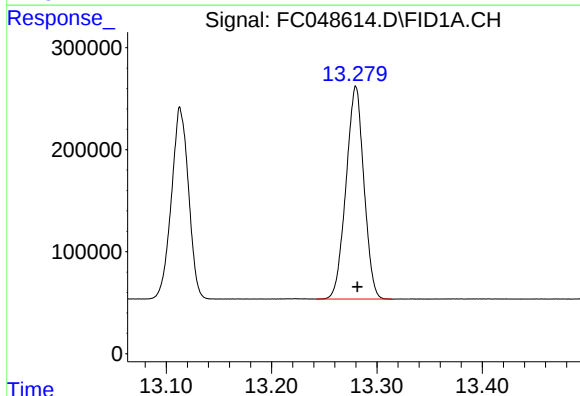
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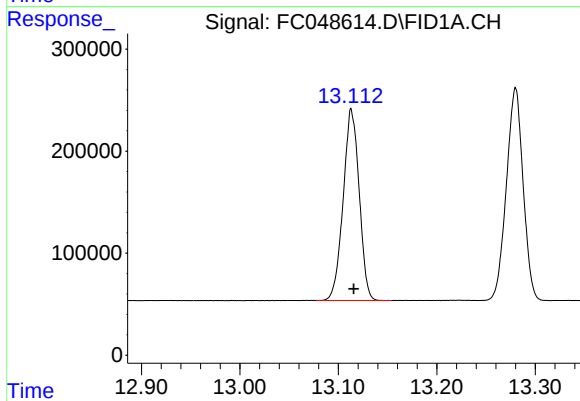
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: -0.002 min
Response: 2505192
Conc: 19.37 ug/ml



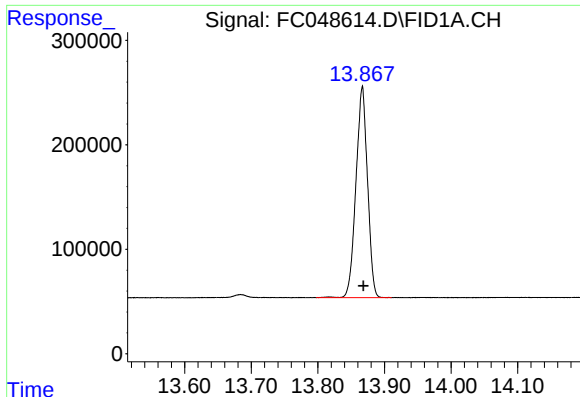
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.002 min
Response: 2464044
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.003 min
Response: 2121526
Conc: 18.83 ug/ml



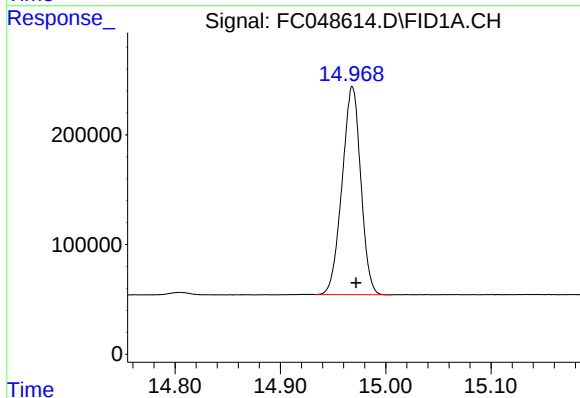
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.002 min
Response: 2436493
Conc: 18.77 ug/ml

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20 PPM ALIPHATIC HC STD

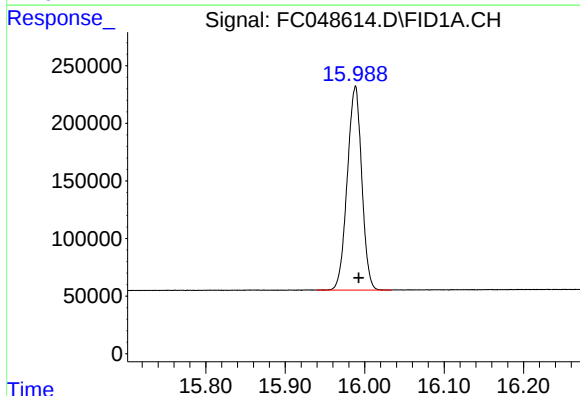
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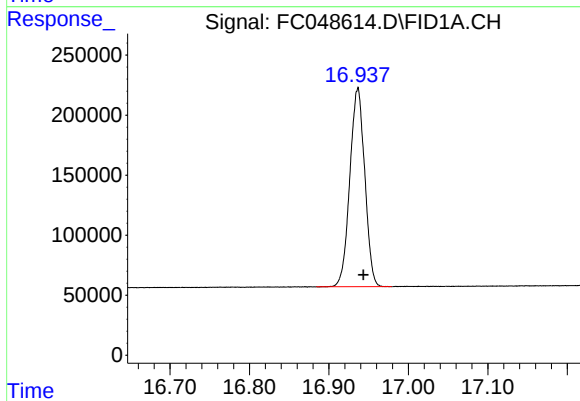
#14 n-Tetracosane (C24)

R.T.: 14.968 min
Delta R.T.: -0.003 min
Response: 2342501
Conc: 17.87 ug/ml



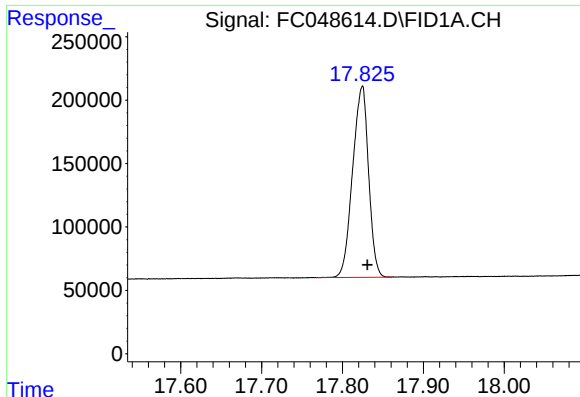
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: -0.004 min
Response: 2237983
Conc: 17.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.936 min
Delta R.T.: -0.007 min
Response: 2159147
Conc: 16.52 ug/ml



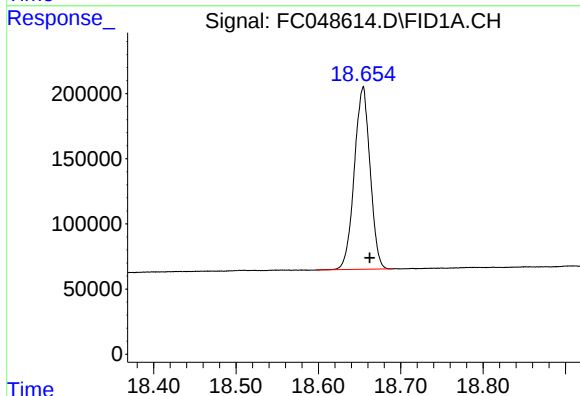
#17 n-Tricontane (C30)

R.T.: 17.824 min
Delta R.T.: -0.007 min
Response: 2062538
Conc: 16.04 ug/ml

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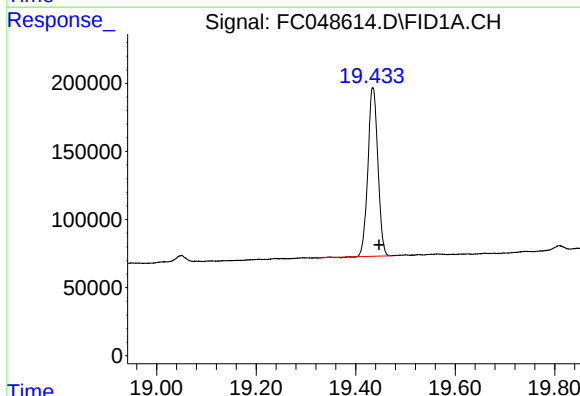
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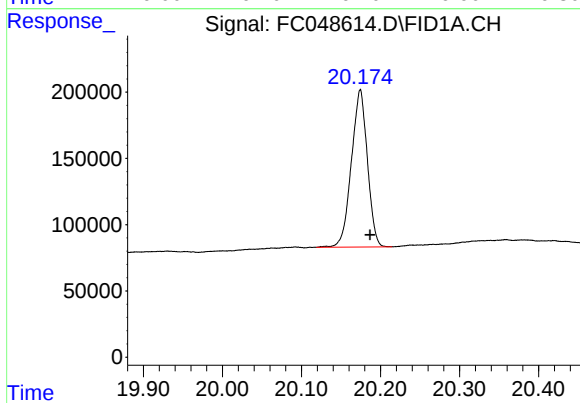
#18 n-Dotriacontane (C32)

R.T.: 18.654 min
Delta R.T.: -0.008 min
Response: 1861466
Conc: 15.76 ug/ml



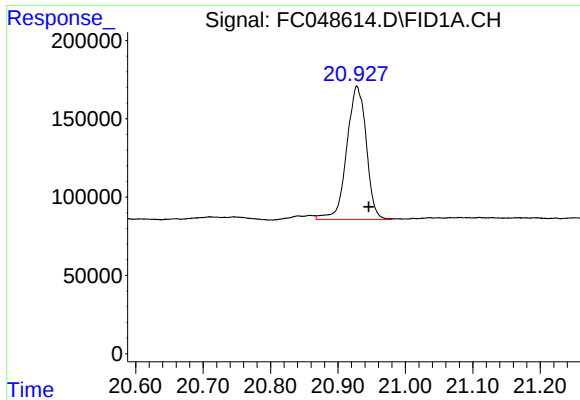
#19 n-Tetratriacontane (C34)

R.T.: 19.435 min
Delta R.T.: -0.012 min
Response: 1721250
Conc: 15.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.174 min
Delta R.T.: -0.012 min
Response: 1669988
Conc: 15.88 ug/ml m



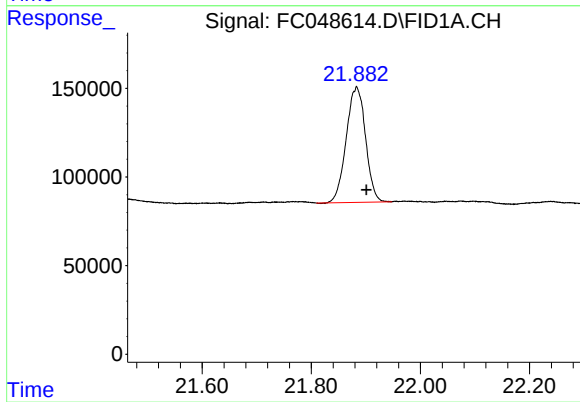
#21 n-Octatriacontane (C38)

R.T.: 20.927 min
Delta R.T.: -0.018 min
Response: 1709988
Conc: 17.42 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.883 min
Delta R.T.: -0.018 min
Response: 1596761
Conc: 16.43 ug/ml