

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091820AL\
 Data File : FC049628.D
 Signal(s) : FID1A.CH
 Acq On : 18 Sep 2020 9:54
 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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 9/21/2020 12:27:24 PM

Integration File: autoint1.e
 Quant Time: Sep 19 03:00:05 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 090820.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 09 05:58:47 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)	11.668	2022271	17.601 ug/ml
Spiked Amount 50.000		Recovery =	35.20%
12) S 1-chlorooctadecane (S...	13.101	1550941	17.412 ug/ml
Spiked Amount 50.000		Recovery =	34.82%
Target Compounds			
1) T n-Nonane (C9)	3.401	2022862	19.554 ug/ml
2) T n-Decane (C10)	4.475	2042127	19.661 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2204134	19.170 ug/ml
4) T n-Dodecane (C12)	6.500	2079222	19.670 ug/mlm
5) T A~2-methylnaphthalene...	7.133	2186094	18.698 ug/ml
6) T n-Tetradecane (C14)	8.299	1992346	18.886 ug/ml
7) T n-Hexadecane (C16)	9.902	1913073	18.383 ug/ml
8) T n-Octadecane (C18)	11.345	1937205	18.025 ug/ml
10) T n-Eicosane (C20)	12.654	1896461	17.711 ug/ml
11) T n-Heneicosane (C21)	13.266	1862343	17.500 ug/ml
13) T n-Docosane (C22)	13.851	1841569	17.402 ug/ml
14) T n-Tetracosane (C24)	14.954	1804487	17.244 ug/ml
15) T n-Hexacosane (C26)	15.975	1783025	17.442 ug/ml
16) T n-Octacosane (C28)	16.926	1785772	17.769 ug/ml
17) T n-Tricontane (C30)	17.811	1793770	18.423 ug/ml
18) T n-Dotriacontane (C32)	18.644	1714049	18.969 ug/ml
19) T n-Tetratriacontane (C34)	19.427	1669277	19.500 ug/ml
20) T n-Hexatriacontane (C36)	20.165	1604316	19.913 ug/mlm
21) T n-Octatriacontane (C38)	20.919	1565143	20.674 ug/ml
22) T n-Tetracontane (C40)	21.868	1578030	20.280 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

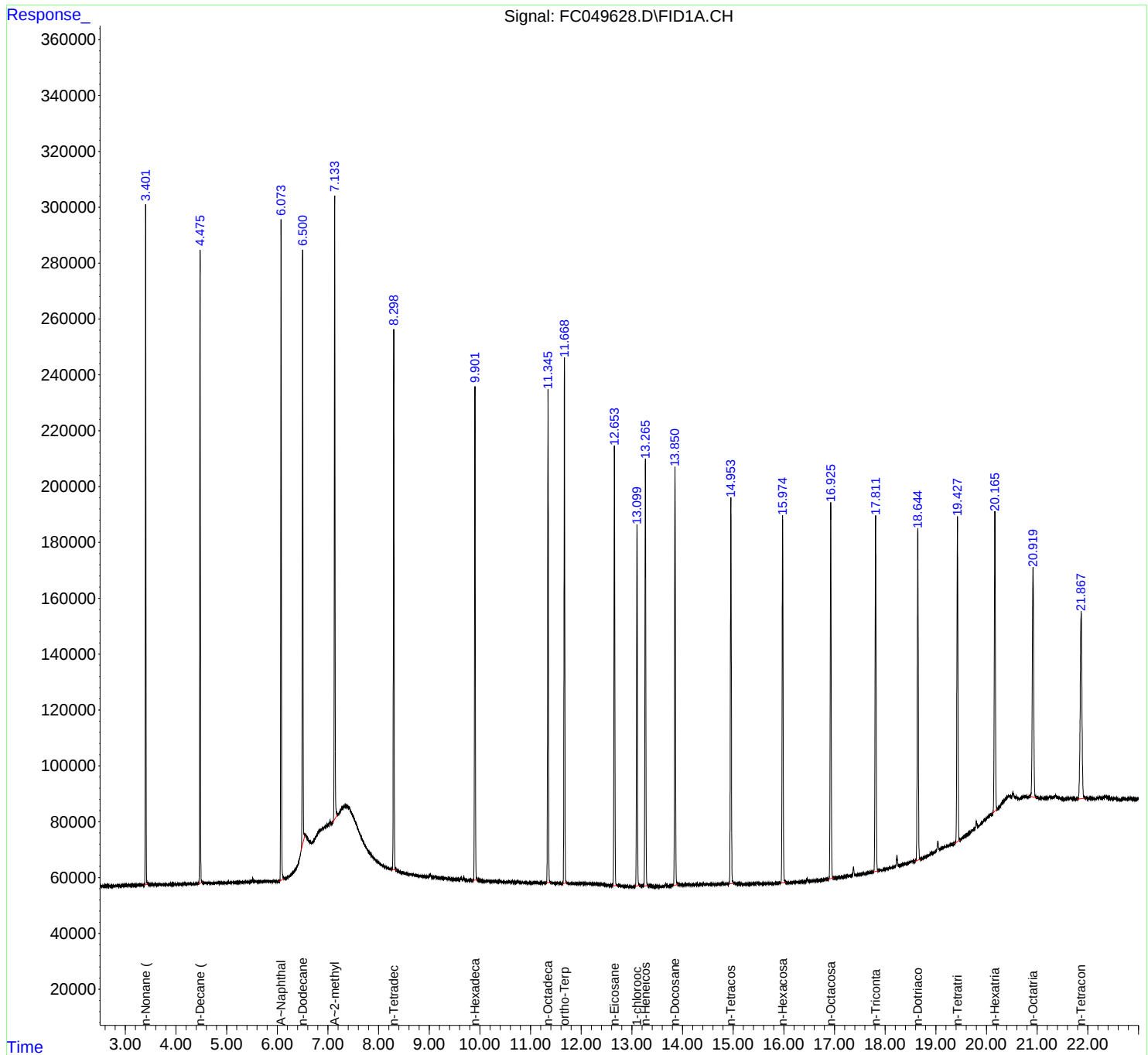
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

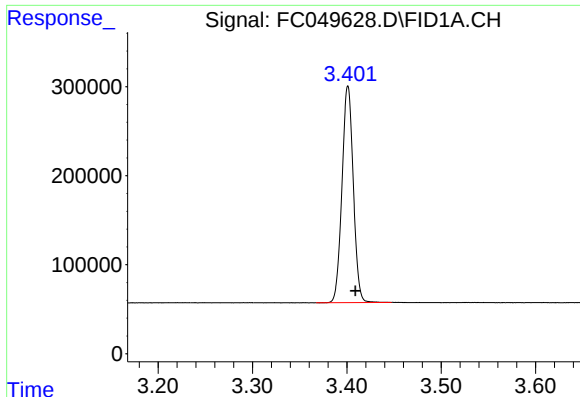
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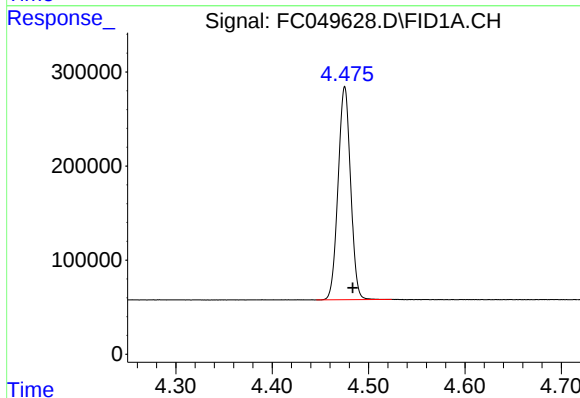
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.008 min
Response: 2022862
Conc: 19.55 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

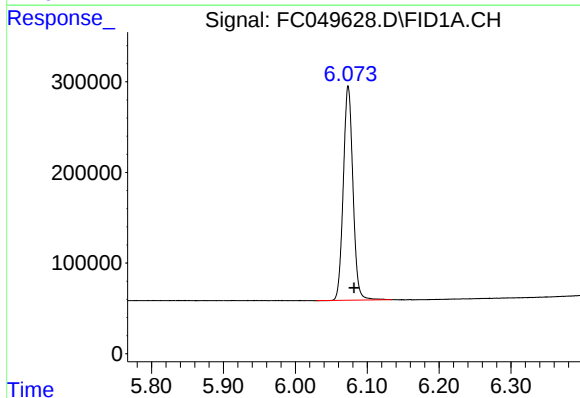
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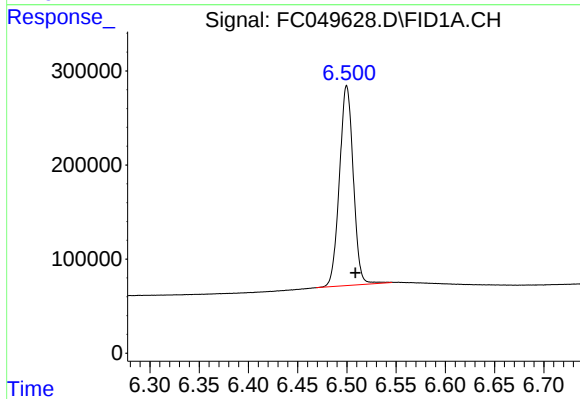
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.008 min
Response: 2042127
Conc: 19.66 ug/ml



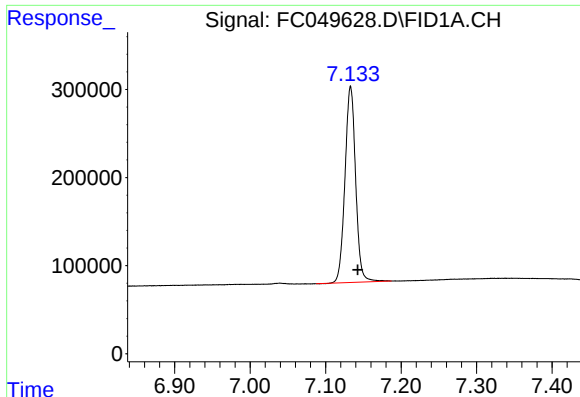
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.008 min
Response: 2204134
Conc: 19.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.500 min
Delta R.T.: -0.009 min
Response: 2079222
Conc: 19.67 ug/ml m



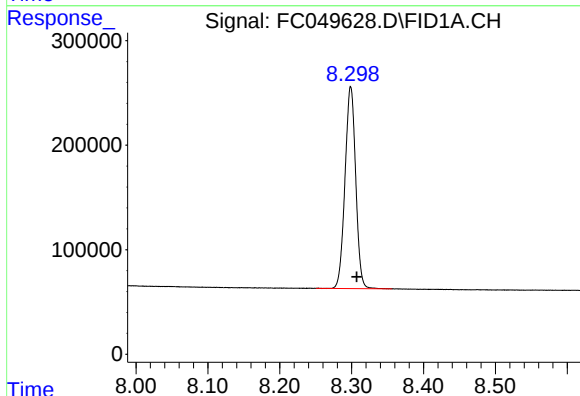
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.009 min
Response: 2186094
Conc: 18.70 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

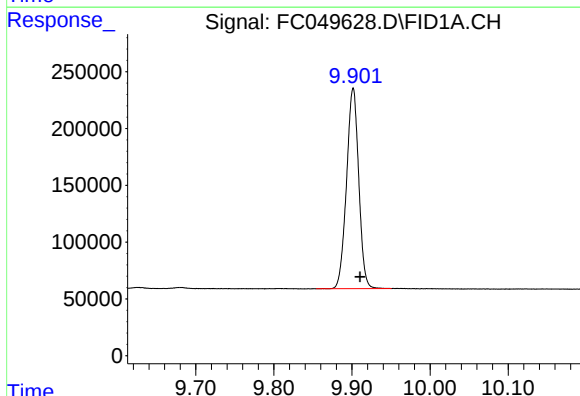
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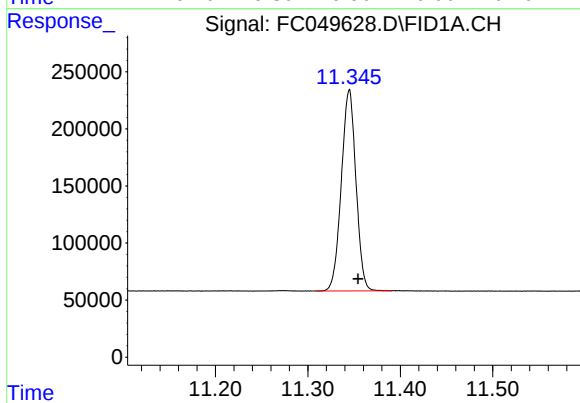
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: -0.008 min
Response: 1992346
Conc: 18.89 ug/ml



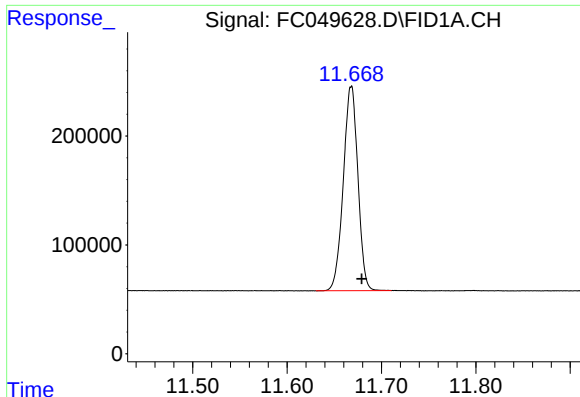
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: -0.009 min
Response: 1913073
Conc: 18.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.345 min
Delta R.T.: -0.010 min
Response: 1937205
Conc: 18.03 ug/ml



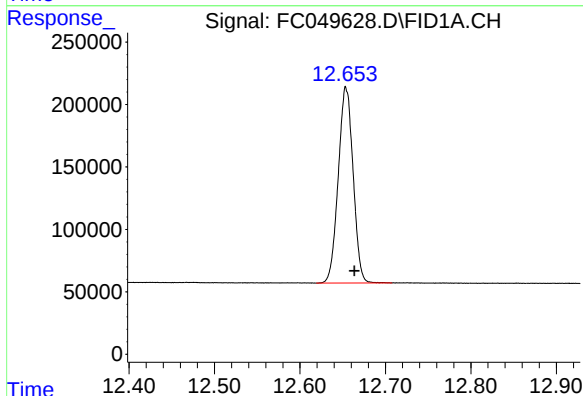
#9 ortho-Terphenyl (SURR)

R.T.: 11.668 min
Delta R.T.: -0.011 min
Response: 2022271
Conc: 17.60 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

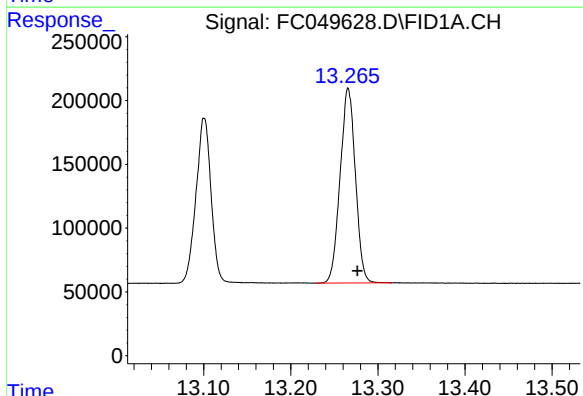
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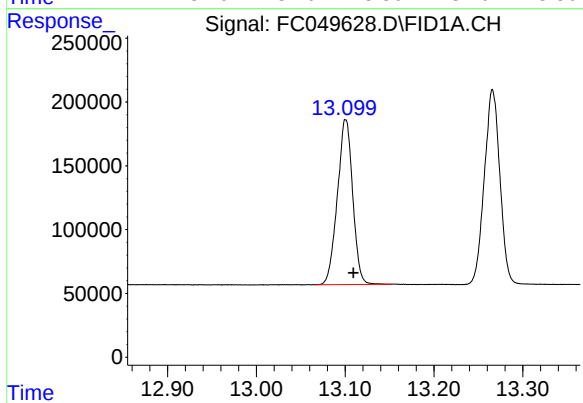
#10 n-Eicosane (C20)

R.T.: 12.654 min
Delta R.T.: -0.010 min
Response: 1896461
Conc: 17.71 ug/ml



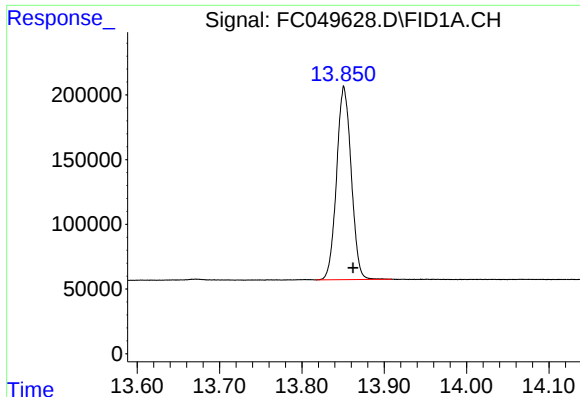
#11 n-Heneicosane (C21)

R.T.: 13.266 min
Delta R.T.: -0.011 min
Response: 1862343
Conc: 17.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.101 min
Delta R.T.: -0.009 min
Response: 1550941
Conc: 17.41 ug/ml



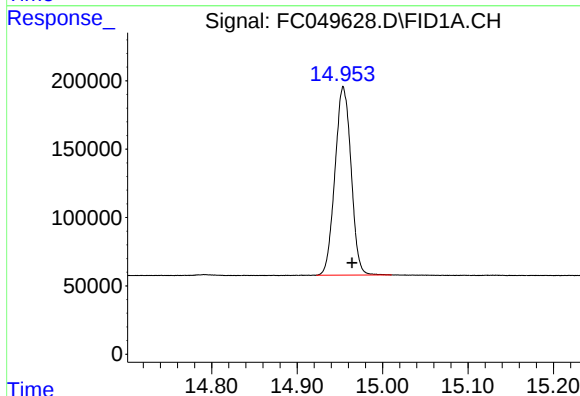
#13 n-Docosane (C22)

R.T.: 13.851 min
Delta R.T.: -0.011 min
Response: 1841569
Conc: 17.40 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

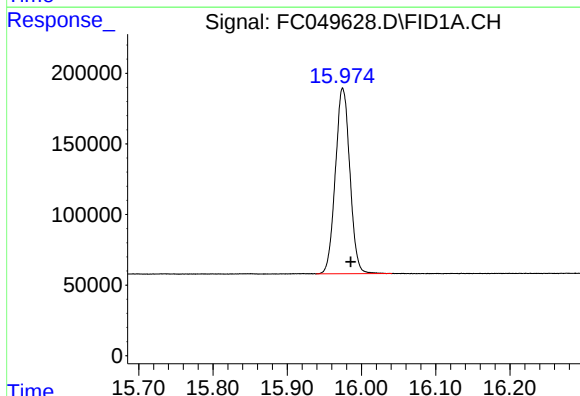
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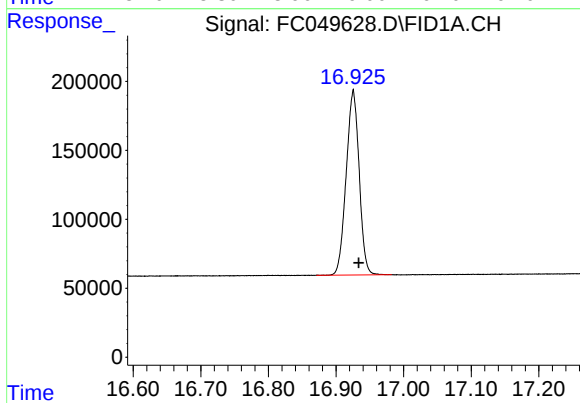
#14 n-Tetracosane (C24)

R.T.: 14.954 min
Delta R.T.: -0.010 min
Response: 1804487
Conc: 17.24 ug/ml



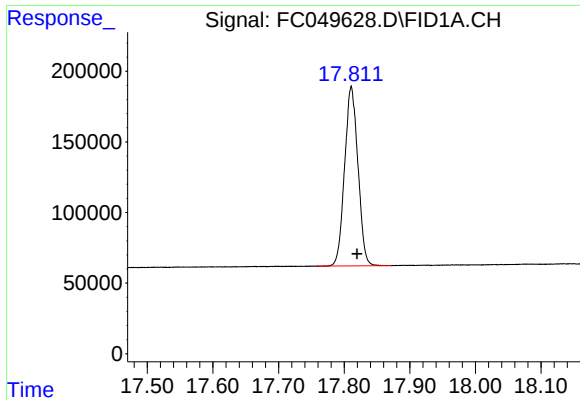
#15 n-Hexacosane (C26)

R.T.: 15.975 min
Delta R.T.: -0.011 min
Response: 1783025
Conc: 17.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.926 min
Delta R.T.: -0.008 min
Response: 1785772
Conc: 17.77 ug/ml



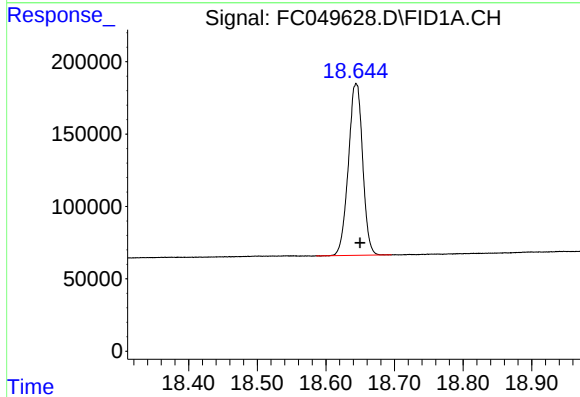
#17 n-Tricontane (C30)

R.T.: 17.811 min
Delta R.T.: -0.009 min
Response: 1793770
Conc: 18.42 ug/ml

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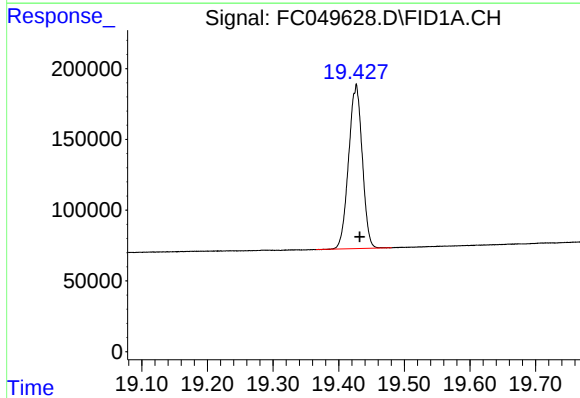
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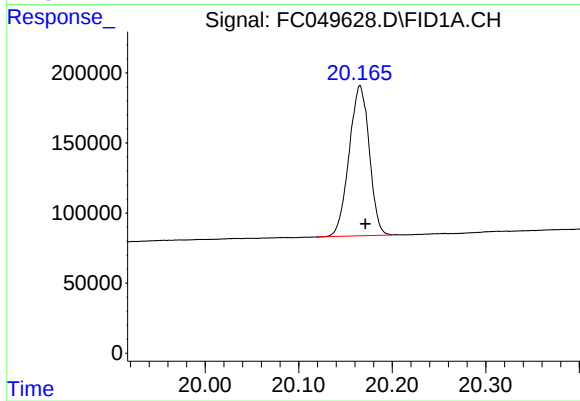
#18 n-Dotriacontane (C32)

R.T.: 18.644 min
Delta R.T.: -0.006 min
Response: 1714049
Conc: 18.97 ug/ml



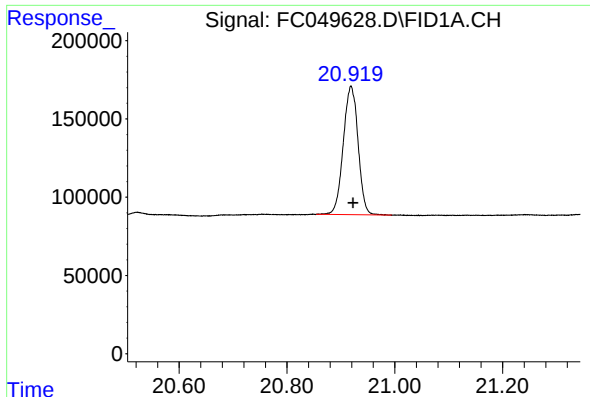
#19 n-Tetratriacontane (C34)

R.T.: 19.427 min
Delta R.T.: -0.005 min
Response: 1669277
Conc: 19.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.165 min
Delta R.T.: -0.006 min
Response: 1604316
Conc: 19.91 ug/ml m



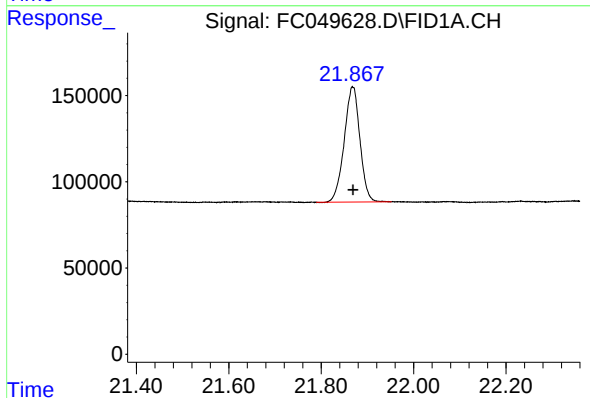
#21 n-Octatriacontane (C38)

R.T.: 20.919 min
Delta R.T.: -0.004 min
Response: 1565143
Conc: 20.67 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.868 min
Delta R.T.: 0.000 min
Response: 1578030
Conc: 20.28 ug/ml