

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030722AL\
 Data File : FC058607.D
 Signal(s) : FID1A.CH
 Acq On : 08 Mar 2022 5:06
 Operator : UA/NP
 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

Reviewed By :Yogesh Patel 03/08/2022
 Supervised By :Ankita Jodhani 03/08/2022

Integration File: autoint1.e
 Quant Time: Mar 08 05:38:58 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 23 17:15:11 2022
 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)	11.401	2683967	18.427 ug/ml
Spiked Amount 50.000		Recovery =	36.85%
12) S 1-chlorooctadecane (S...	12.834	2048858	18.075 ug/ml
Spiked Amount 50.000		Recovery =	36.15%
Target Compounds			
1) T n-Nonane (C9)	3.252	2441330	20.302 ug/ml
2) T n-Decane (C10)	4.302	2431757	20.435 ug/ml
3) T A~Naphthalene (C11.7)	5.864	2621065	20.196 ug/ml
4) T n-Dodecane (C12)	6.298	2515163	20.446 ug/ml
5) T A~2-methylnaphthalene...	6.910	2637406	20.230 ug/ml
6) T n-Tetradecane (C14)	8.076	2512354	20.050 ug/ml
7) T n-Hexadecane (C16)	9.664	2514778	19.528 ug/ml
8) T n-Octadecane (C18)	11.094	2482949	18.868 ug/ml
10) T n-Eicosane (C20)	12.395	2423819	18.432 ug/ml
11) T n-Heneicosane (C21)	13.003	2400875	18.167 ug/ml
13) T n-Docosane (C22)	13.585	2367649	18.161 ug/ml
14) T n-Tetracosane (C24)	14.681	2297003	17.788 ug/ml
15) T n-Hexacosane (C26)	15.697	2213458	17.894 ug/ml
16) T n-Octacosane (C28)	16.641	2177500	18.293 ug/ml
17) T n-Tricontane (C30)	17.524	2141164	19.022 ug/ml
18) T n-Dotriacontane (C32)	18.353	2050624	19.070 ug/ml
19) T n-Tetratriacontane (C34)	19.134	1966548	20.297 ug/ml
20) T n-Hexatriacontane (C36)	19.870	1860841	20.626 ug/ml
21) T n-Octatriacontane (C38)	20.575	1866700	21.451 ug/mlm
22) T n-Tetracontane (C40)	21.405	1886249	22.477 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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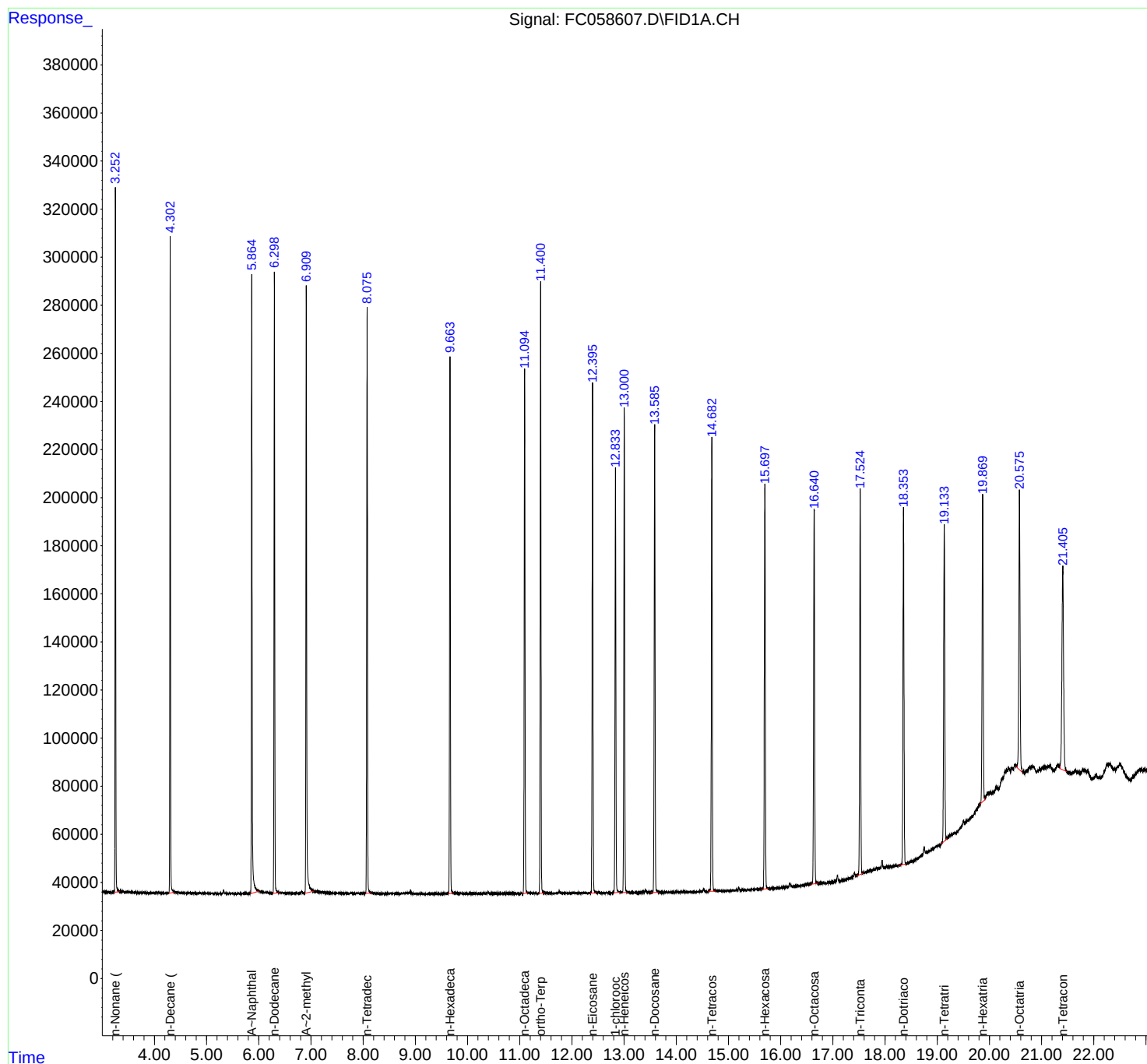
Instrument :
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20 PPM ALIPHATIC HC STD

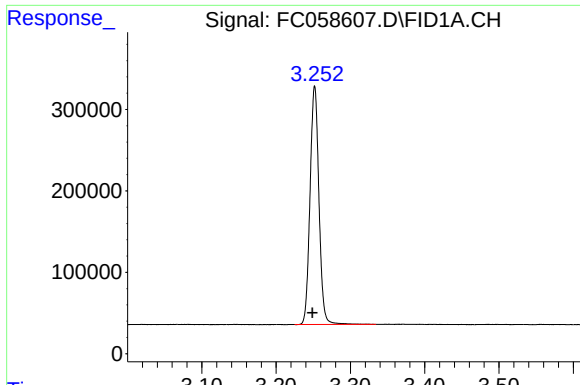
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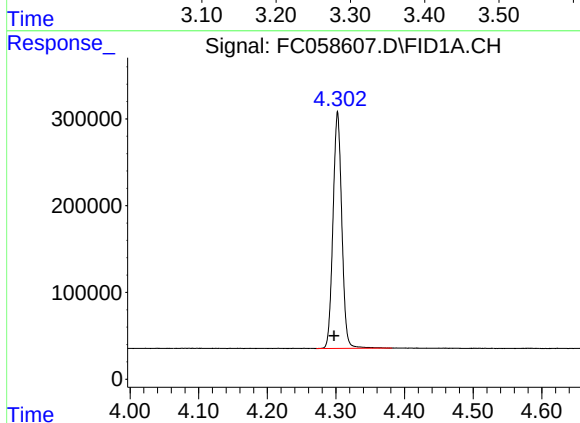
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: 0.003 min
Response: 2441330
Conc: 20.30 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

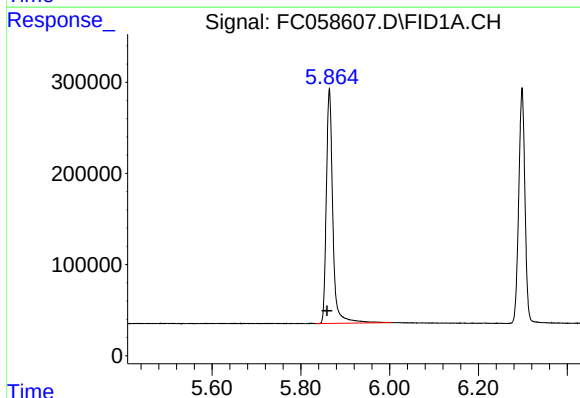
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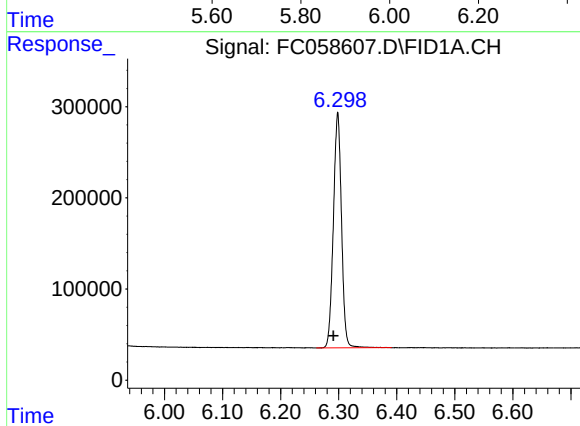
#2 n-Decane (C10)

R.T.: 4.302 min
Delta R.T.: 0.005 min
Response: 2431757
Conc: 20.44 ug/ml



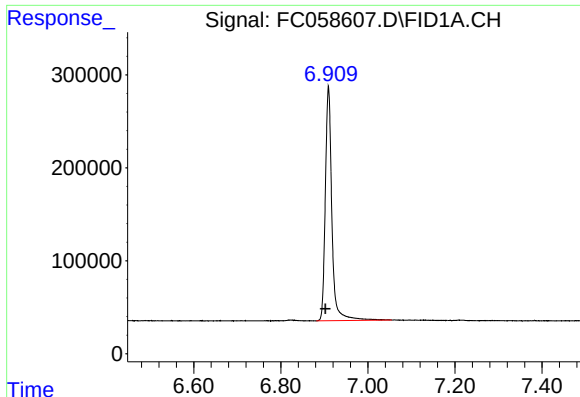
#3 A~Naphthalene (C11.7)

R.T.: 5.864 min
Delta R.T.: 0.005 min
Response: 2621065
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.298 min
Delta R.T.: 0.007 min
Response: 2515163
Conc: 20.45 ug/ml



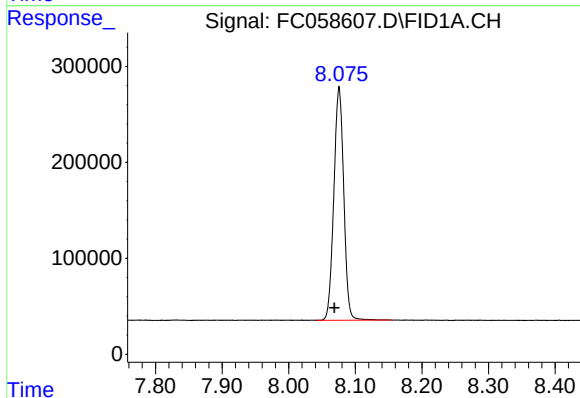
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.910 min
Delta R.T.: 0.007 min
Response: 2637406
Conc: 20.23 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

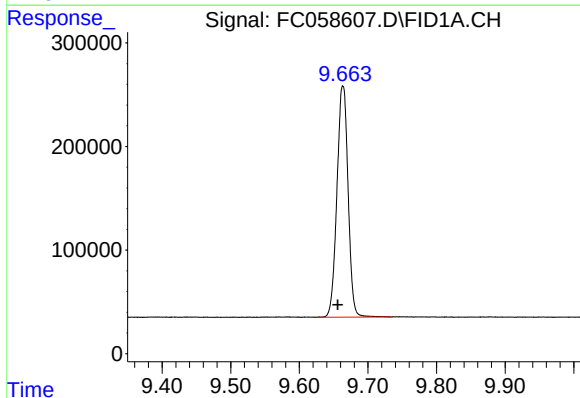
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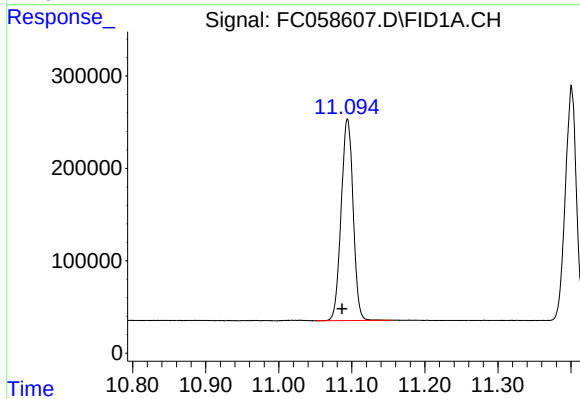
#6 n-Tetradecane (C14)

R.T.: 8.076 min
Delta R.T.: 0.007 min
Response: 2512354
Conc: 20.05 ug/ml



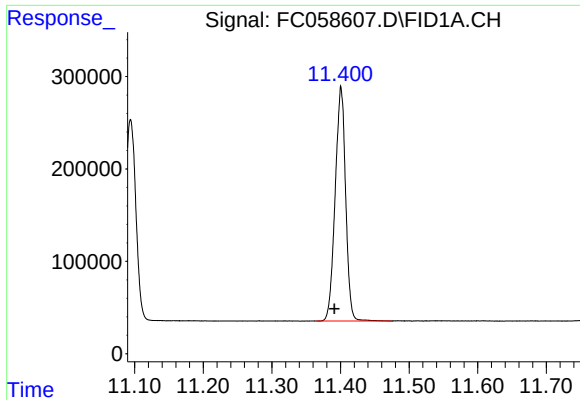
#7 n-Hexadecane (C16)

R.T.: 9.664 min
Delta R.T.: 0.007 min
Response: 2514778
Conc: 19.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.094 min
Delta R.T.: 0.008 min
Response: 2482949
Conc: 18.87 ug/ml



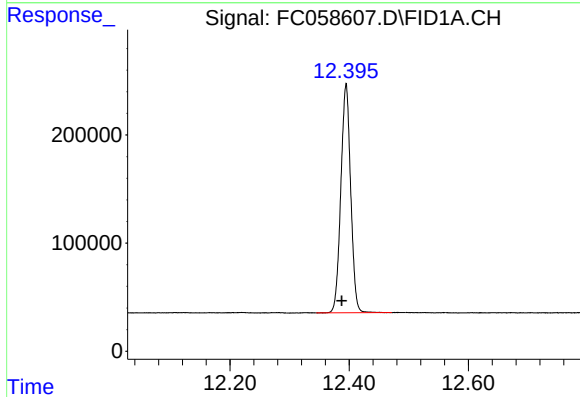
#9 ortho-Terphenyl (SURR)

R.T.: 11.401 min
Delta R.T.: 0.010 min
Response: 2683967
Conc: 18.43 ug/ml

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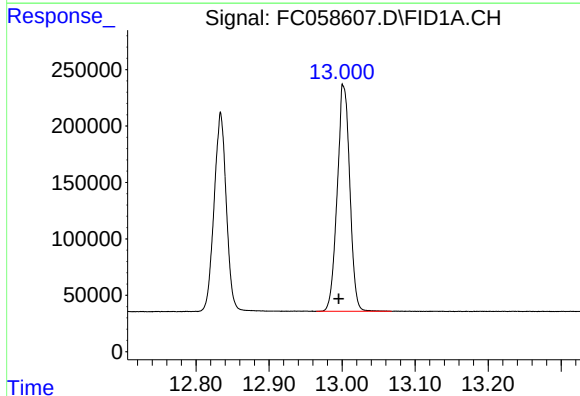
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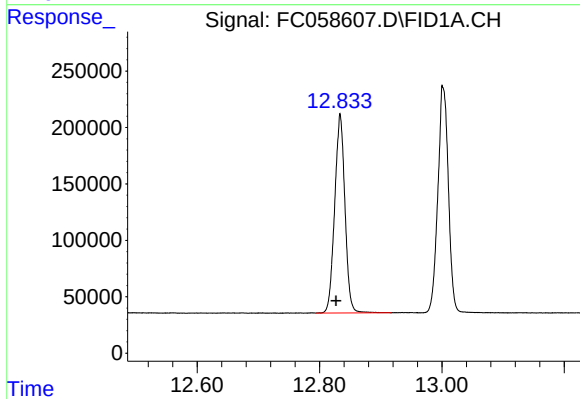
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.007 min
Response: 2423819
Conc: 18.43 ug/ml



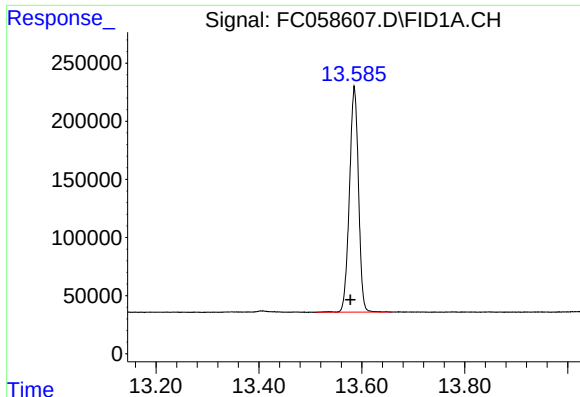
#11 n-Heneicosane (C21)

R.T.: 13.003 min
Delta R.T.: 0.007 min
Response: 2400875
Conc: 18.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.834 min
Delta R.T.: 0.007 min
Response: 2048858
Conc: 18.08 ug/ml



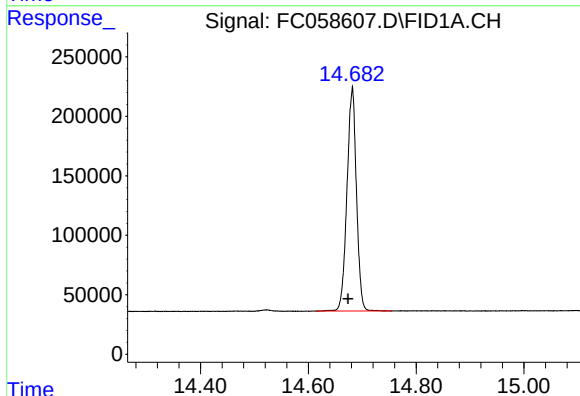
#13 n-Docosane (C22)

R.T.: 13.585 min
Delta R.T.: 0.007 min
Response: 2367649
Conc: 18.16 ug/ml

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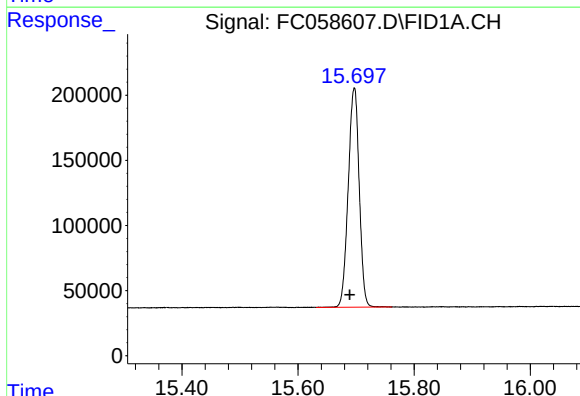
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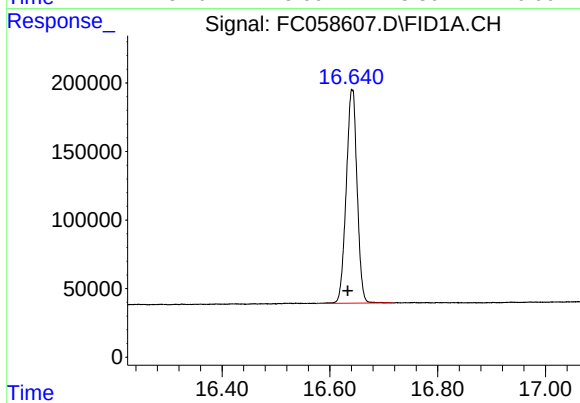
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: 0.007 min
Response: 2297003
Conc: 17.79 ug/ml



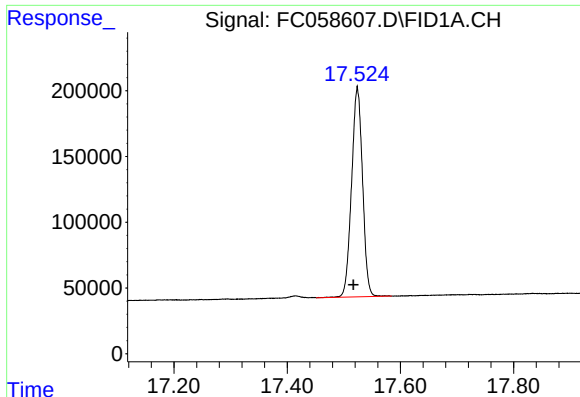
#15 n-Hexacosane (C26)

R.T.: 15.697 min
Delta R.T.: 0.007 min
Response: 2213458
Conc: 17.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.641 min
Delta R.T.: 0.008 min
Response: 2177500
Conc: 18.29 ug/ml



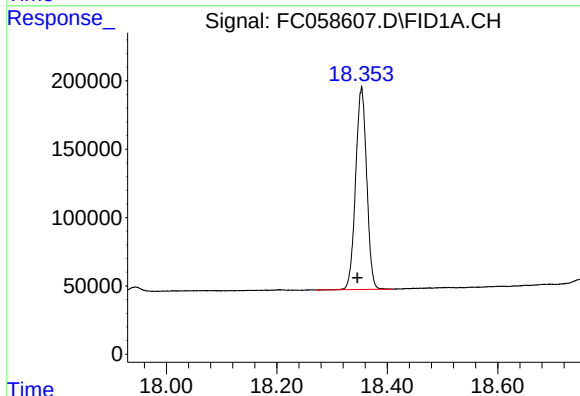
#17 n-Tricontane (C30)

R.T.: 17.524 min
Delta R.T.: 0.007 min
Response: 2141164
Conc: 19.02 ug/ml

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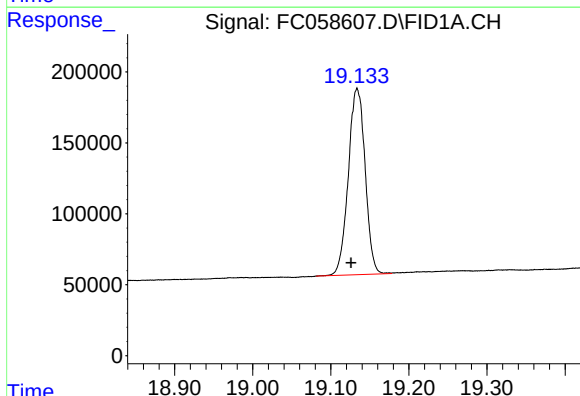
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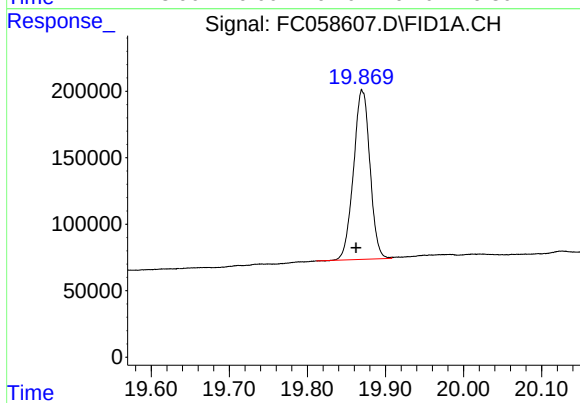
#18 n-Dotriacontane (C32)

R.T.: 18.353 min
Delta R.T.: 0.007 min
Response: 2050624
Conc: 19.07 ug/ml



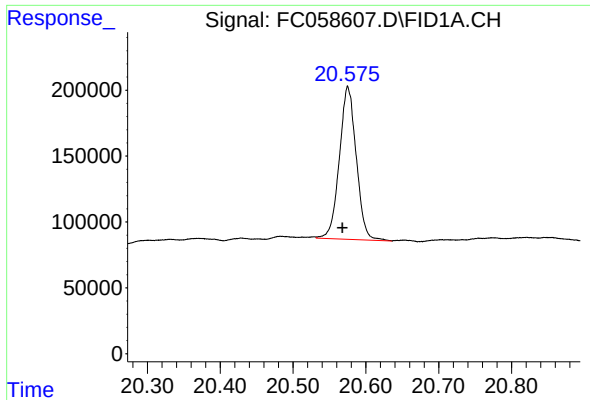
#19 n-Tetratriacontane (C34)

R.T.: 19.134 min
Delta R.T.: 0.008 min
Response: 1966548
Conc: 20.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.870 min
Delta R.T.: 0.008 min
Response: 1860841
Conc: 20.63 ug/ml



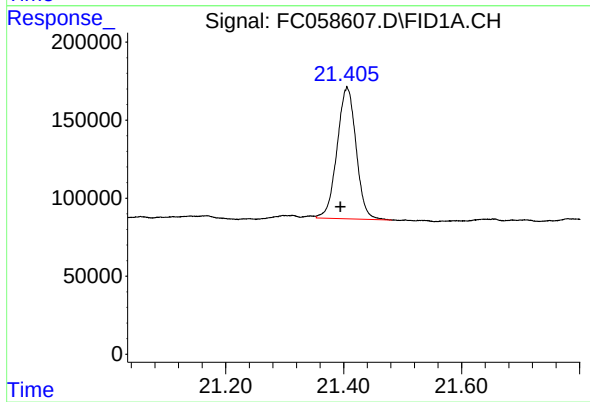
#21 n-Octatriacontane (C38)

R.T.: 20.575 min
Delta R.T.: 0.007 min
Response: 1866700
Conc: 21.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.405 min
Delta R.T.: 0.011 min
Response: 1886249
Conc: 22.48 ug/ml m