

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090321AL\
 Data File : FC055516.D
 Signal(s) : FID1A.CH
 Acq On : 03 Sep 2021 15:02
 Operator : AJ\MA
 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

mohammad
 9/7/2021 3:17:33 PM

Integration File: autoint1.e
 Quant Time: Sep 03 22:46:45 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 083021.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 31 01:45:39 2021
 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)	11.654	2502764	20.034 ug/ml
Spiked Amount 50.000		Recovery =	40.07%
12) S 1-chlorooctadecane (S...	13.088	1926525	19.466 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
Target Compounds			
1) T n-Nonane (C9)	3.401	2349392	21.735 ug/ml
2) T n-Decane (C10)	4.470	2409830	22.101 ug/ml
3) T A~Naphthalene (C11.7)	6.061	2718189	22.059 ug/ml
4) T n-Dodecane (C12)	6.491	2426119	22.157 ug/ml
5) T A~2-methylnaphthalene...	7.119	2735744	21.983 ug/ml
6) T n-Tetradecane (C14)	8.288	2448523	21.984 ug/ml
7) T n-Hexadecane (C16)	9.889	2441123	21.600 ug/ml
8) T n-Octadecane (C18)	11.332	2437741	20.938 ug/ml
10) T n-Eicosane (C20)	12.642	2328755	19.930 ug/ml
11) T n-Heneicosane (C21)	13.255	2302023	19.559 ug/ml
13) T n-Docosane (C22)	13.841	2230941	19.125 ug/ml
14) T n-Tetracosane (C24)	14.944	2124726	18.244 ug/ml
15) T n-Hexacosane (C26)	15.965	1990434	17.570 ug/ml
16) T n-Octacosane (C28)	16.914	1905245	17.218 ug/ml
17) T n-Tricontane (C30)	17.802	1872642	17.611 ug/ml
18) T n-Dotriacontane (C32)	18.635	1844215	18.402 ug/ml
19) T n-Tetratriacontane (C34)	19.417	1799439	19.066 ug/ml
20) T n-Hexatriacontane (C36)	20.153	1787019	20.582 ug/mlm
21) T n-Octatriacontane (C38)	20.903	1703126	20.895 ug/ml
22) T n-Tetracontane (C40)	21.839	1855279	23.100 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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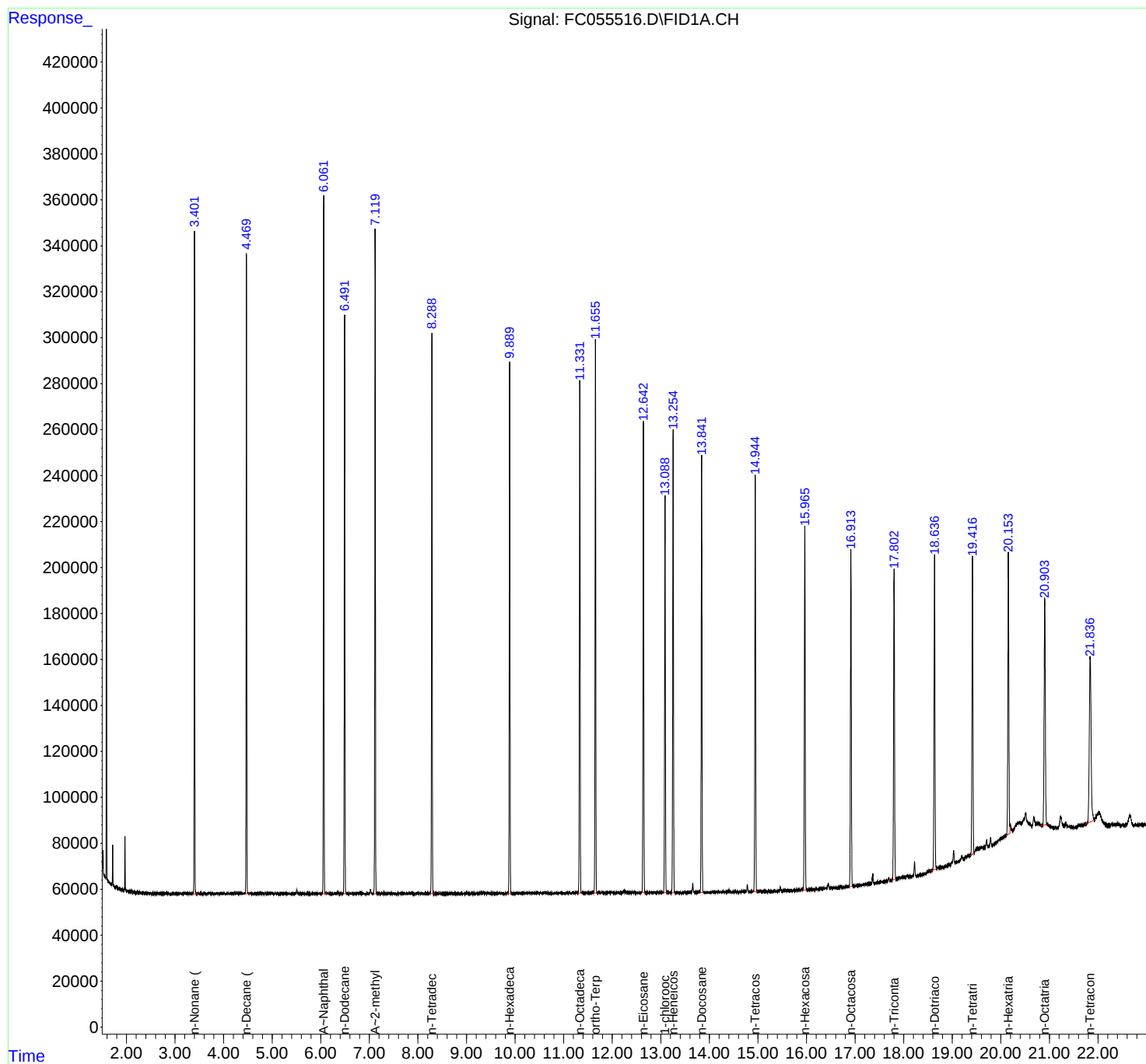
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20 PPM ALIPHATIC HC STD

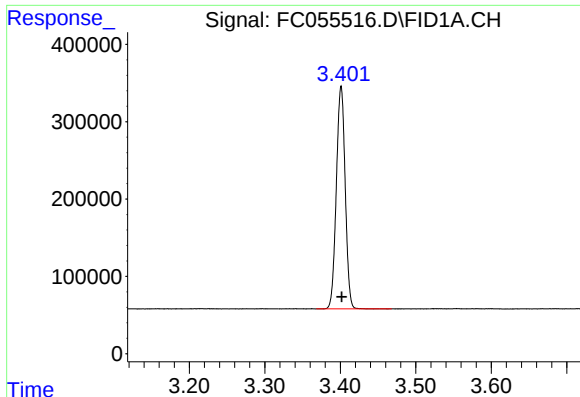
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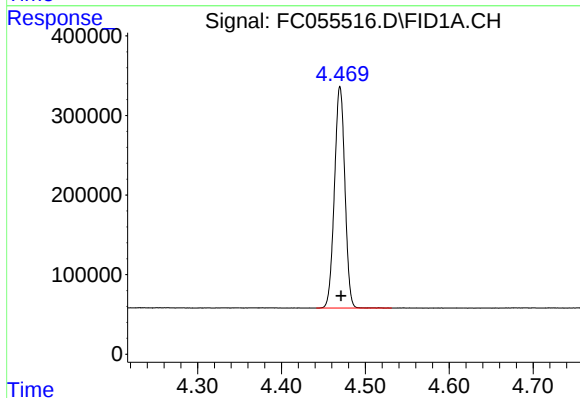
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 2349392
Conc: 21.73 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

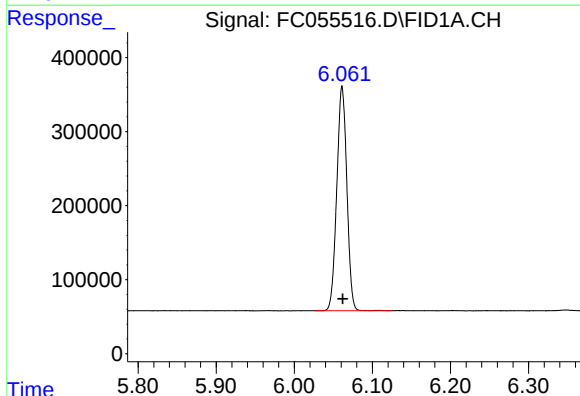
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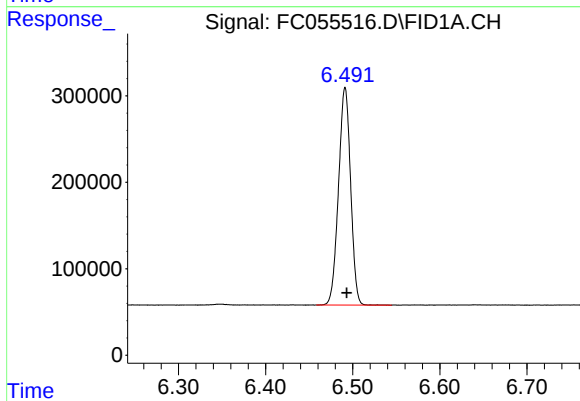
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: -0.001 min
Response: 2409830
Conc: 22.10 ug/ml



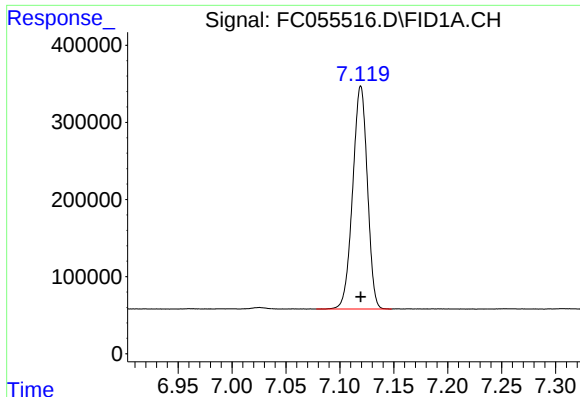
#3 A~Naphthalene (C11.7)

R.T.: 6.061 min
Delta R.T.: 0.000 min
Response: 2718189
Conc: 22.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.491 min
Delta R.T.: -0.002 min
Response: 2426119
Conc: 22.16 ug/ml



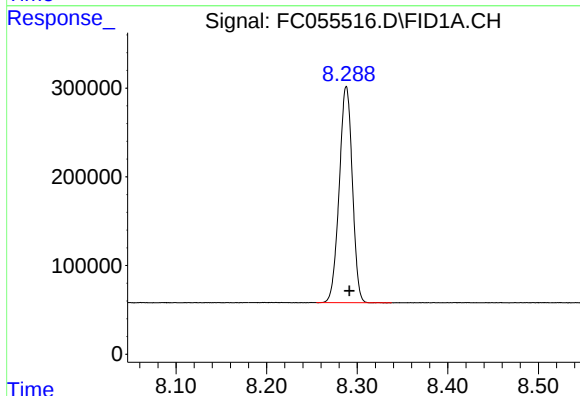
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 2735744
Conc: 21.98 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

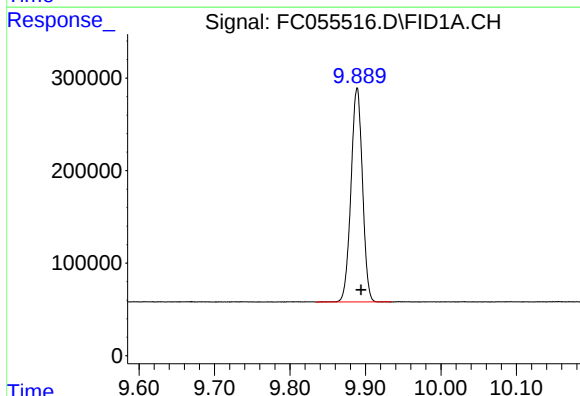
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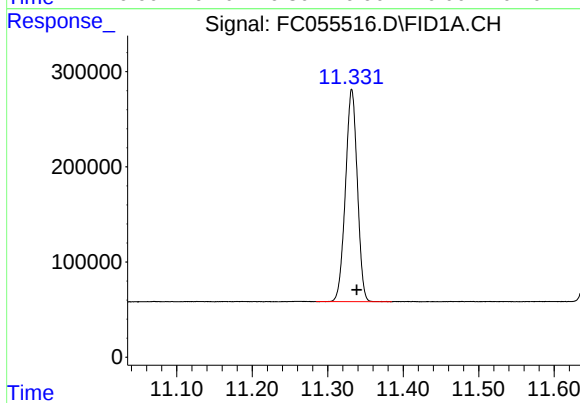
#6 n-Tetradecane (C14)

R.T.: 8.288 min
Delta R.T.: -0.003 min
Response: 2448523
Conc: 21.98 ug/ml



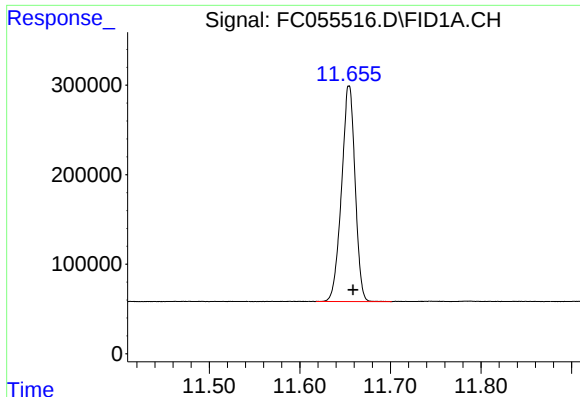
#7 n-Hexadecane (C16)

R.T.: 9.889 min
Delta R.T.: -0.005 min
Response: 2441123
Conc: 21.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.332 min
Delta R.T.: -0.006 min
Response: 2437741
Conc: 20.94 ug/ml



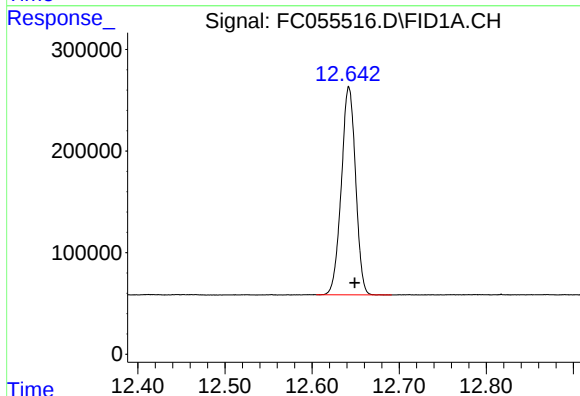
#9 ortho-Terphenyl (SURR)

R.T.: 11.654 min
Delta R.T.: -0.004 min
Response: 2502764
Conc: 20.03 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

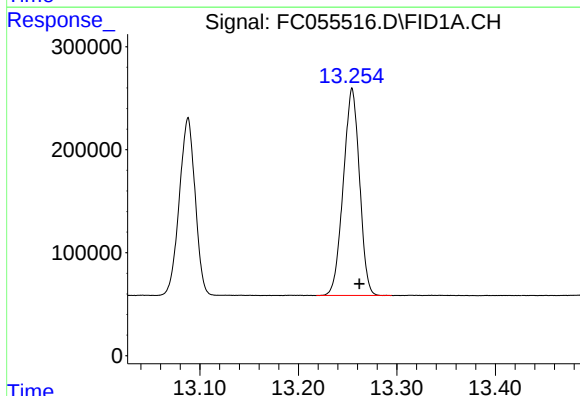
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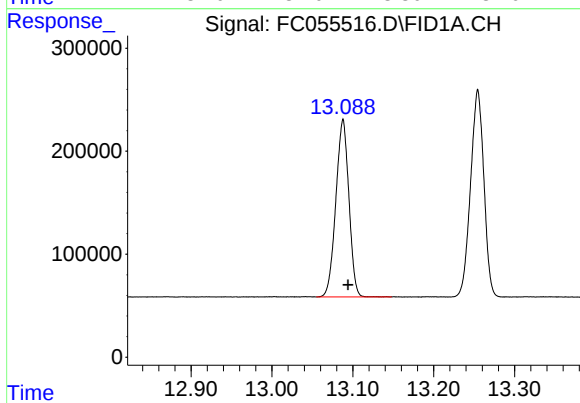
#10 n-Eicosane (C20)

R.T.: 12.642 min
Delta R.T.: -0.007 min
Response: 2328755
Conc: 19.93 ug/ml



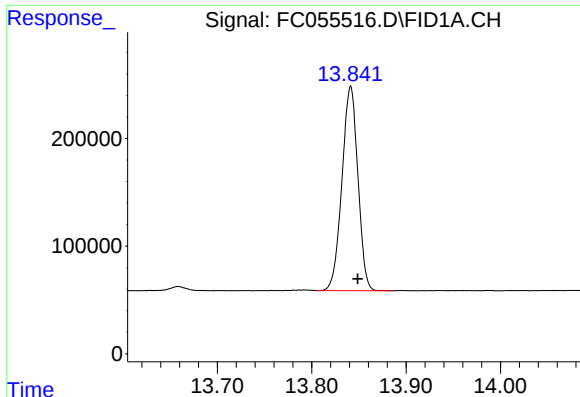
#11 n-Heneicosane (C21)

R.T.: 13.255 min
Delta R.T.: -0.007 min
Response: 2302023
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.088 min
Delta R.T.: -0.006 min
Response: 1926525
Conc: 19.47 ug/ml



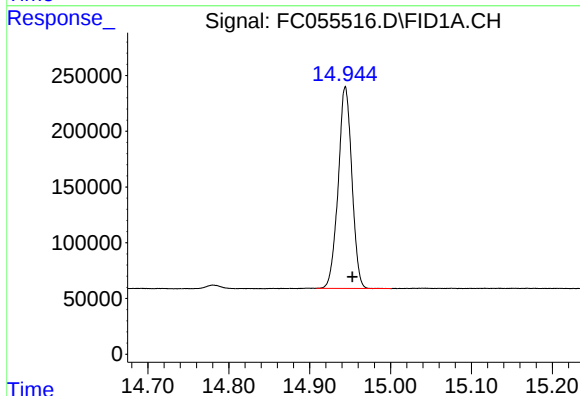
#13 n-Docosane (C22)

R.T.: 13.841 min
Delta R.T.: -0.008 min
Response: 2230941
Conc: 19.12 ug/ml

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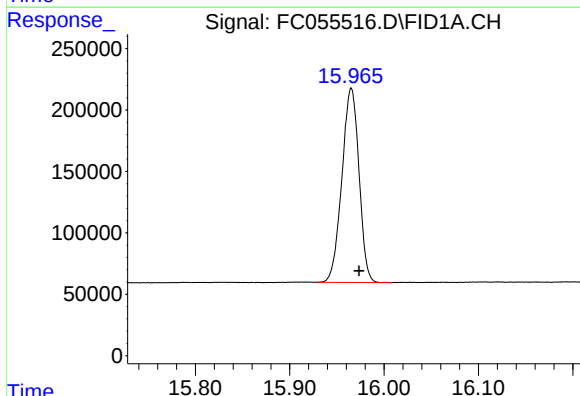
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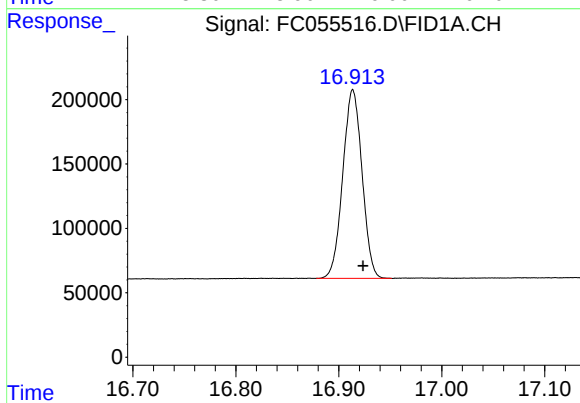
#14 n-Tetracosane (C24)

R.T.: 14.944 min
Delta R.T.: -0.009 min
Response: 2124726
Conc: 18.24 ug/ml



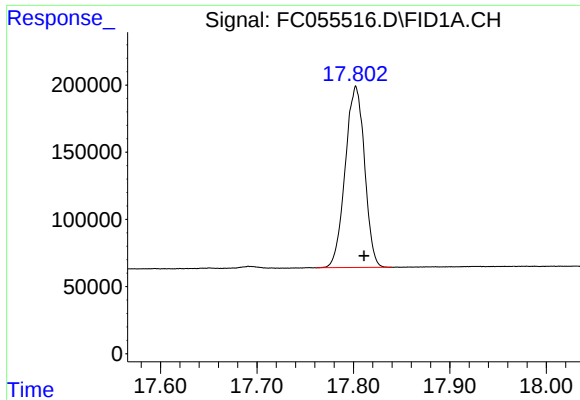
#15 n-Hexacosane (C26)

R.T.: 15.965 min
Delta R.T.: -0.008 min
Response: 1990434
Conc: 17.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.914 min
Delta R.T.: -0.010 min
Response: 1905245
Conc: 17.22 ug/ml



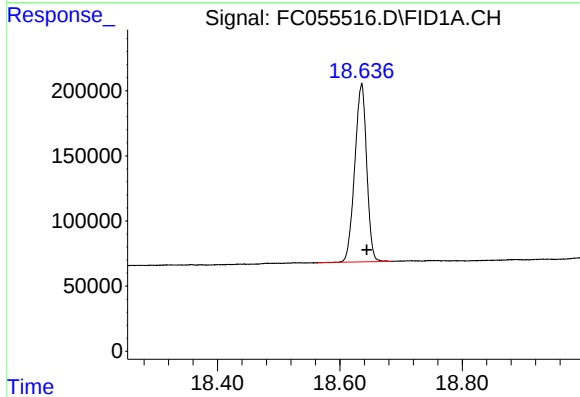
#17 n-Tricontane (C30)

R.T.: 17.802 min
Delta R.T.: -0.009 min
Response: 1872642
Conc: 17.61 ug/ml

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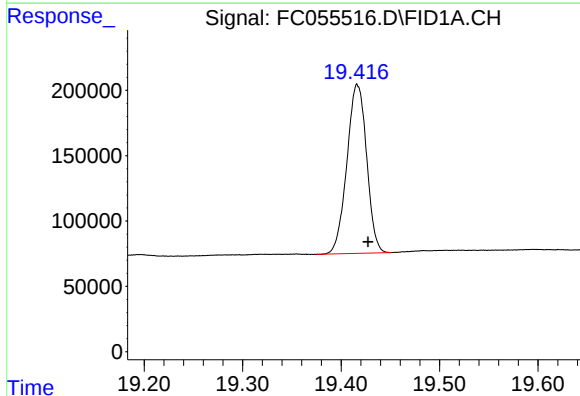
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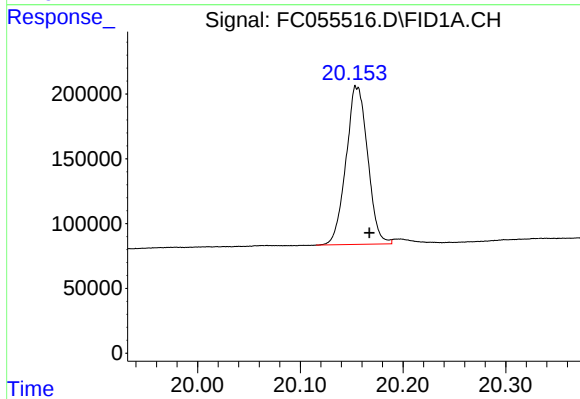
#18 n-Dotriacontane (C32)

R.T.: 18.635 min
Delta R.T.: -0.009 min
Response: 1844215
Conc: 18.40 ug/ml



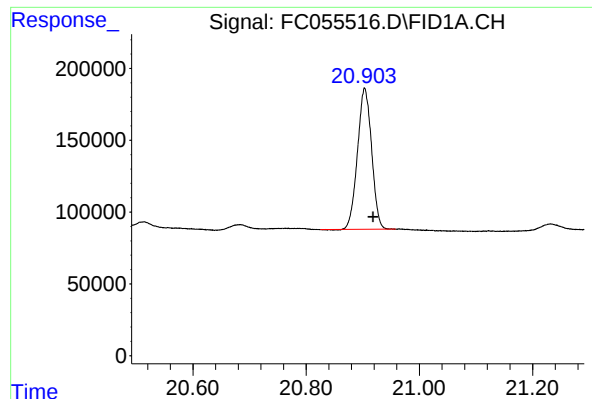
#19 n-Tetratriacontane (C34)

R.T.: 19.417 min
Delta R.T.: -0.011 min
Response: 1799439
Conc: 19.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.153 min
Delta R.T.: -0.014 min
Response: 1787019
Conc: 20.58 ug/ml m



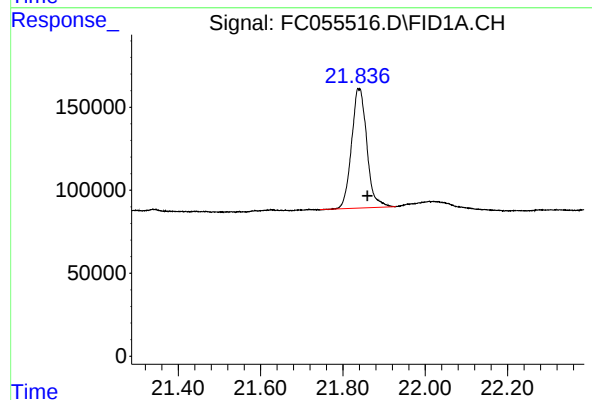
#21 n-Octatriacontane (C38)

R.T.: 20.903 min
Delta R.T.: -0.015 min
Response: 1703126
Conc: 20.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.839 min
Delta R.T.: -0.021 min
Response: 1855279
Conc: 23.10 ug/ml