

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102921AL\
 Data File : FC056515.D
 Signal(s) : FID1A.CH
 Acq On : 30 Oct 2021 00:14
 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

Reviewed By :Ankita Jodhani 11/01/2021
 Supervised By :mohammad ahmed 11/01/2021

Integration File: autoint1.e
 Quant Time: Oct 30 05:18:31 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102121.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 21 01:00:25 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)	11.621	2296280	18.546 ug/ml
Spiked Amount 50.000		Recovery =	37.09%
12) S 1-chlorooctadecane (S...	13.051	1762508	18.317 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
Target Compounds			
1) T n-Nonane (C9)	3.378	2273503	21.005 ug/ml
2) T n-Decane (C10)	4.445	2294130	21.297 ug/ml
3) T A~Naphthalene (C11.7)	6.036	2555448	20.960 ug/ml
4) T n-Dodecane (C12)	6.464	2330763	21.143 ug/ml
5) T A~2-methylnaphthalene...	7.093	2546033	20.791 ug/ml
6) T n-Tetradecane (C14)	8.259	2307711	20.555 ug/ml
7) T n-Hexadecane (C16)	9.859	2272995	19.993 ug/ml
8) T n-Octadecane (C18)	11.300	2272102	19.443 ug/ml
10) T n-Eicosane (C20)	12.606	2158389	18.780 ug/ml
11) T n-Heneicosane (C21)	13.218	2115564	18.409 ug/ml
13) T n-Docosane (C22)	13.802	2060687	18.303 ug/ml
14) T n-Tetracosane (C24)	14.902	2010113	18.240 ug/ml
15) T n-Hexacosane (C26)	15.920	1911807	18.114 ug/ml
16) T n-Octacosane (C28)	16.867	1932548	18.631 ug/ml
17) T n-Tricontane (C30)	17.750	1951355	18.834 ug/ml
18) T n-Dotriacontane (C32)	18.579	1900720	19.839 ug/ml
19) T n-Tetratriacontane (C34)	19.358	1887569	21.521 ug/mlm
20) T n-Hexatriacontane (C36)	20.095	1852755	22.636 ug/mlm
21) T n-Octatriacontane (C38)	20.831	1785113	22.321 ug/ml
22) T n-Tetracontane (C40)	21.748	1837084	22.297 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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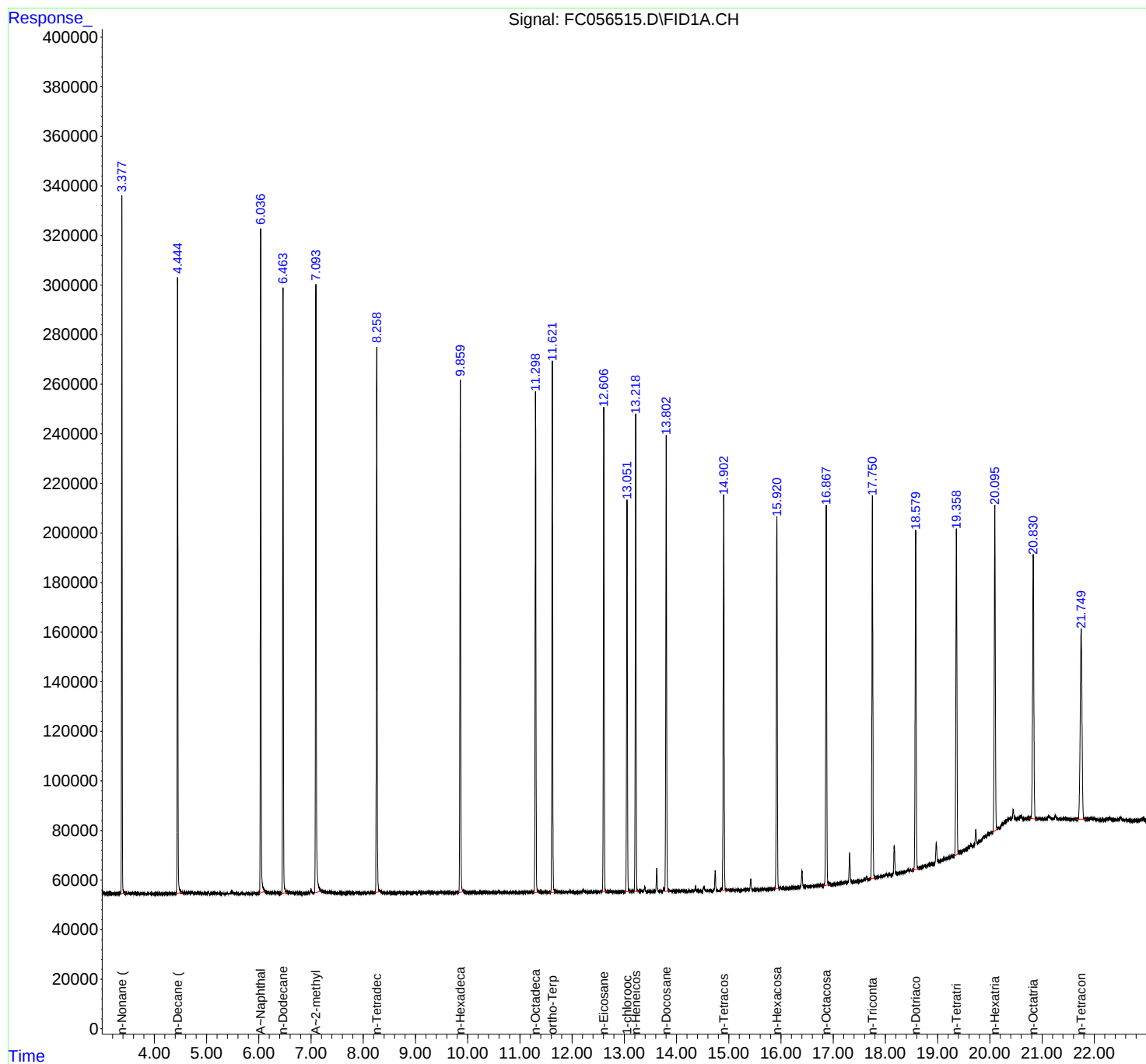
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20 PPM ALIPHATIC HC STD

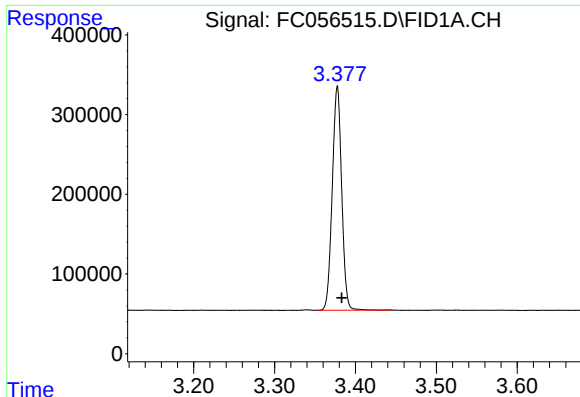
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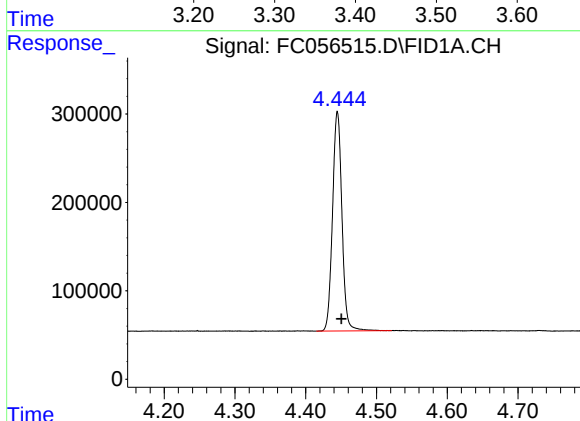
#1 n-Nonane (C9)

R.T.: 3.378 min
Delta R.T.: -0.005 min
Response: 2273503
Conc: 21.01 ug/ml

Instrument :
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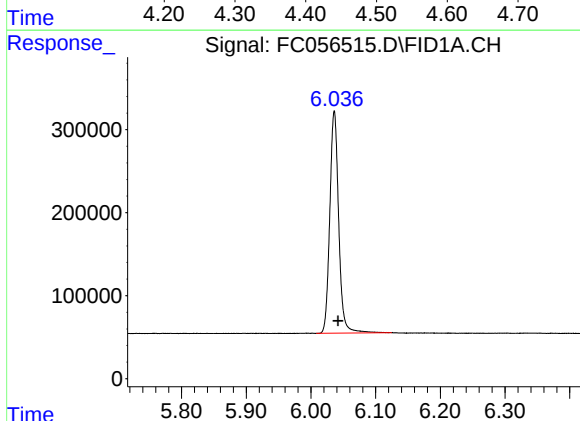
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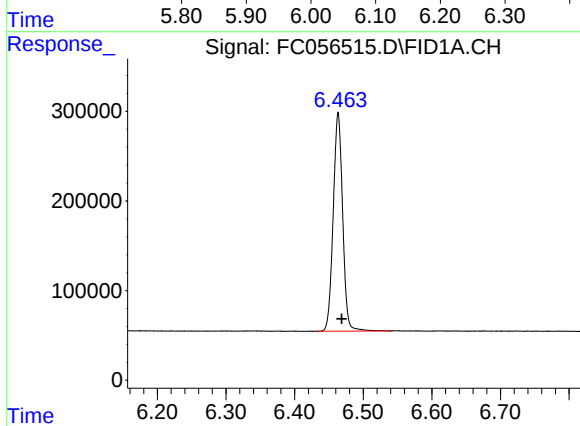
#2 n-Decane (C10)

R.T.: 4.445 min
Delta R.T.: -0.005 min
Response: 2294130
Conc: 21.30 ug/ml



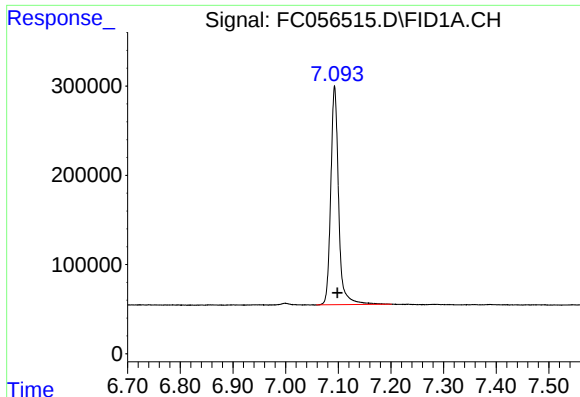
#3 A~Naphthalene (C11.7)

R.T.: 6.036 min
Delta R.T.: -0.006 min
Response: 2555448
Conc: 20.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.464 min
Delta R.T.: -0.005 min
Response: 2330763
Conc: 21.14 ug/ml



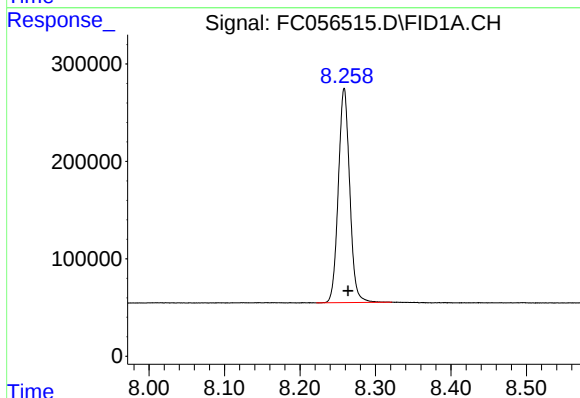
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.093 min
Delta R.T.: -0.005 min
Response: 2546033
Conc: 20.79 ug/ml

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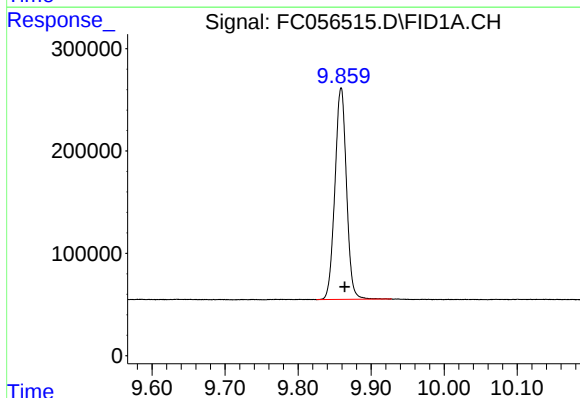
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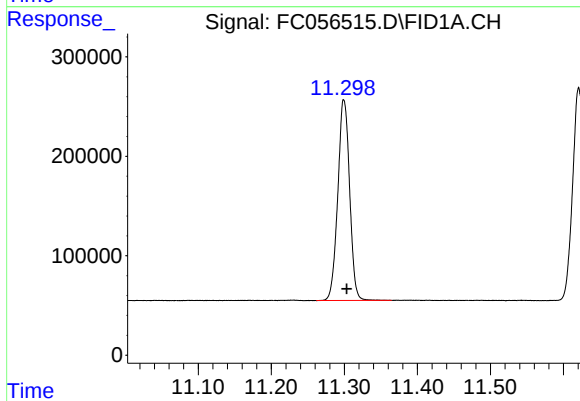
#6 n-Tetradecane (C14)

R.T.: 8.259 min
Delta R.T.: -0.005 min
Response: 2307711
Conc: 20.56 ug/ml



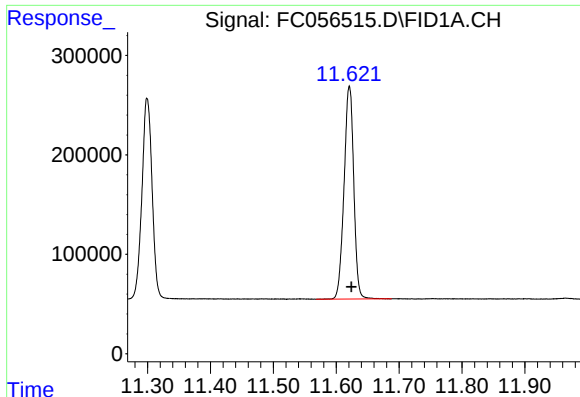
#7 n-Hexadecane (C16)

R.T.: 9.859 min
Delta R.T.: -0.005 min
Response: 2272995
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.300 min
Delta R.T.: -0.004 min
Response: 2272102
Conc: 19.44 ug/ml



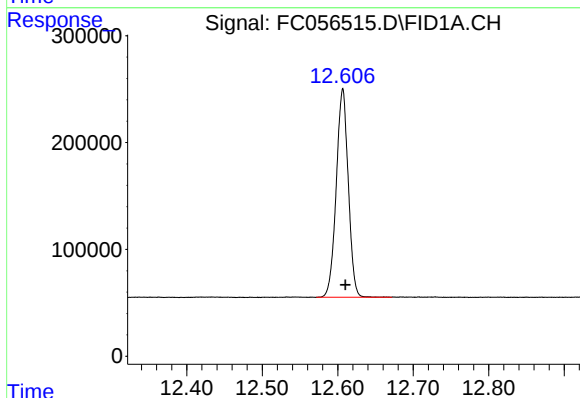
#9 ortho-Terphenyl (SURR)

R.T.: 11.621 min
Delta R.T.: -0.003 min
Response: 2296280
Conc: 18.55 ug/ml

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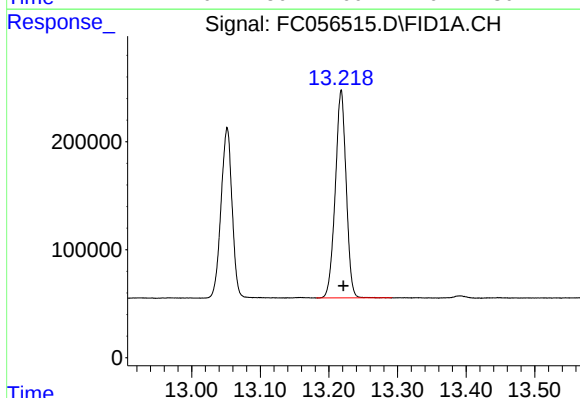
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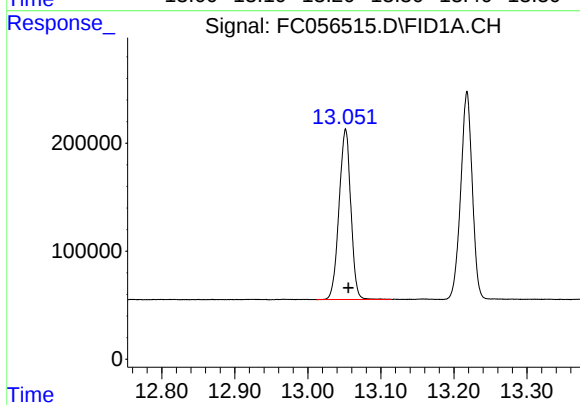
#10 n-Eicosane (C20)

R.T.: 12.606 min
Delta R.T.: -0.004 min
Response: 2158389
Conc: 18.78 ug/ml



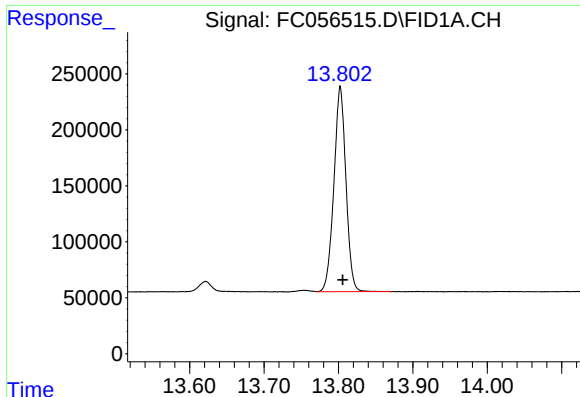
#11 n-Heneicosane (C21)

R.T.: 13.218 min
Delta R.T.: -0.003 min
Response: 2115564
Conc: 18.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.051 min
Delta R.T.: -0.004 min
Response: 1762508
Conc: 18.32 ug/ml



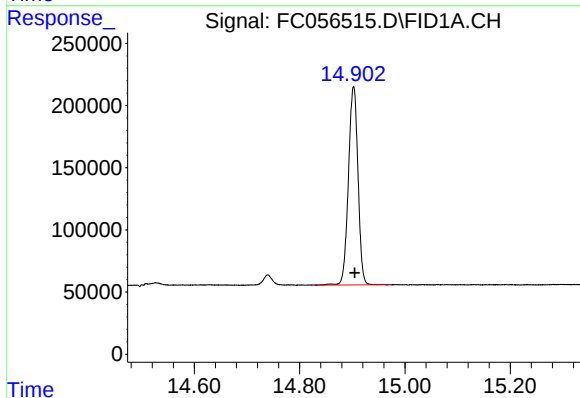
#13 n-Docosane (C22)

R.T.: 13.802 min
Delta R.T.: -0.003 min
Response: 2060687
Conc: 18.30 ug/ml

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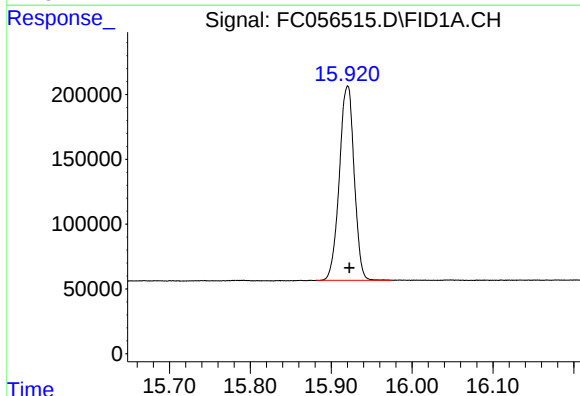
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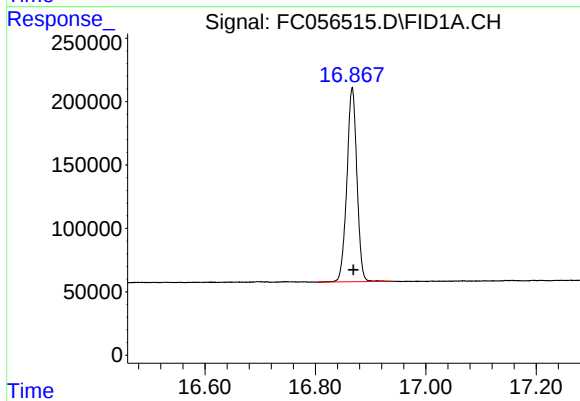
#14 n-Tetracosane (C24)

R.T.: 14.902 min
Delta R.T.: -0.003 min
Response: 2010113
Conc: 18.24 ug/ml



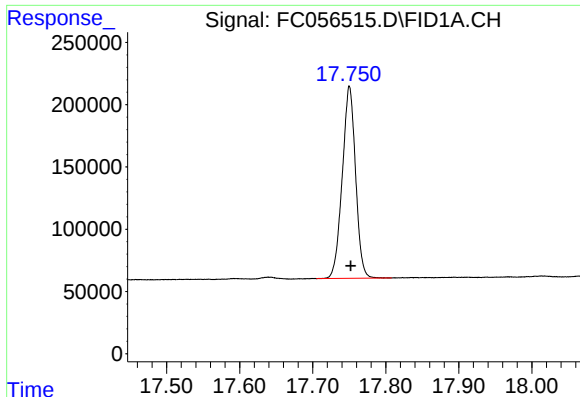
#15 n-Hexacosane (C26)

R.T.: 15.920 min
Delta R.T.: -0.003 min
Response: 1911807
Conc: 18.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.867 min
Delta R.T.: -0.002 min
Response: 1932548
Conc: 18.63 ug/ml



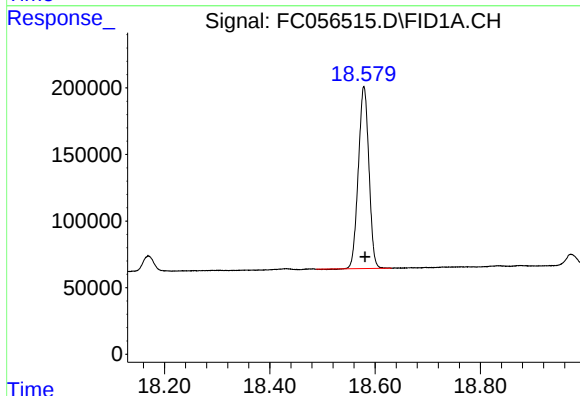
#17 n-Tricontane (C30)

R.T.: 17.750 min
Delta R.T.: -0.002 min
Response: 1951355
Conc: 18.83 ug/ml

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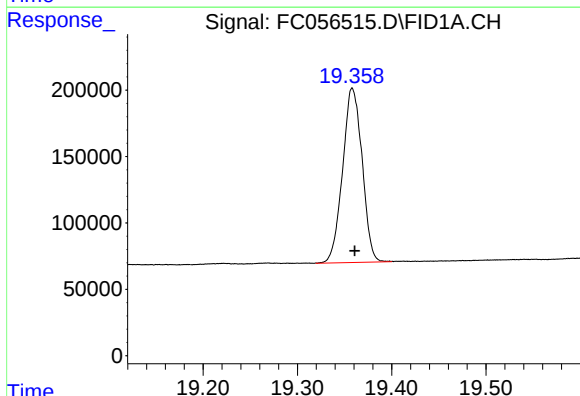
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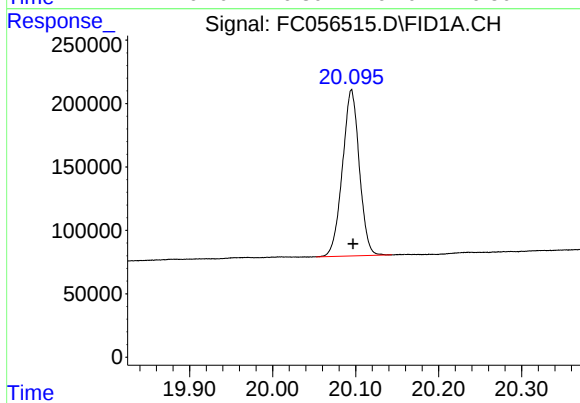
#18 n-Dotriacontane (C32)

R.T.: 18.579 min
Delta R.T.: -0.002 min
Response: 1900720
Conc: 19.84 ug/ml



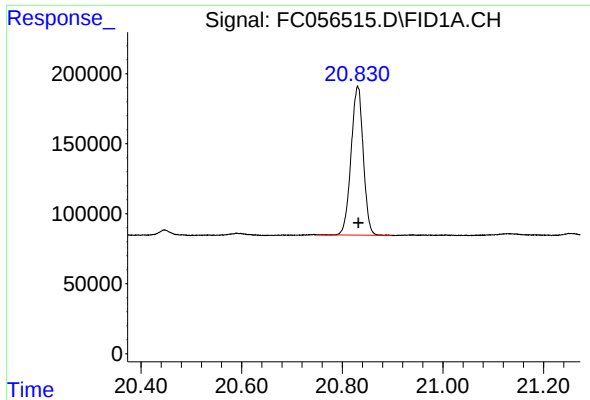
#19 n-Tetratriacontane (C34)

R.T.: 19.358 min
Delta R.T.: -0.003 min
Response: 1887569
Conc: 21.52 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.095 min
Delta R.T.: -0.002 min
Response: 1852755
Conc: 22.64 ug/ml m



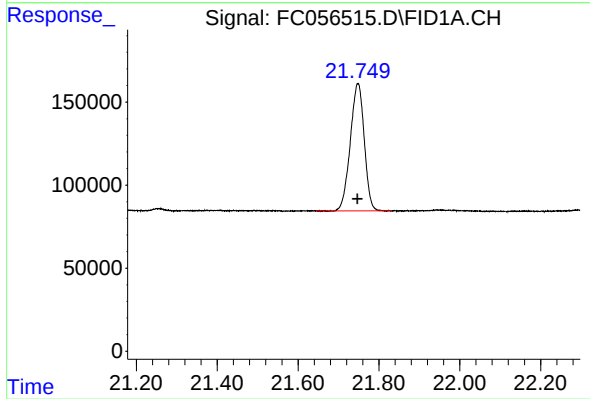
#21 n-Octatriacontane (C38)

R.T.: 20.831 min
Delta R.T.: -0.002 min
Response: 1785113
Conc: 22.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.748 min
Delta R.T.: 0.001 min
Response: 1837084
Conc: 22.30 ug/ml