

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081621AL\
 Data File : FC055222.D
 Signal(s) : FID1A.CH
 Acq On : 17 Aug 2021 6:12
 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
 8/17/2021 3:47:01 PM

Integration File: autoint1.e
 Quant Time: Aug 17 07:05:53 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 02:08:31 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)	11.303	2384891	18.943 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
12) S 1-chlorooctadecane (S...	12.743	1875079	18.920 ug/ml
Spiked Amount 50.000		Recovery =	37.84%
Target Compounds			
1) T n-Nonane (C9)	3.140	2141866	20.483 ug/ml
2) T n-Decane (C10)	4.190	2182038	20.721 ug/ml
3) T A~Naphthalene (C11.7)	5.756	2276536	20.951 ug/ml
4) T n-Dodecane (C12)	6.190	2254232	20.759 ug/ml
5) T A~2-methylnaphthalene...	6.806	2297595	21.052 ug/ml
6) T n-Tetradecane (C14)	7.974	2291937	20.530 ug/ml
7) T n-Hexadecane (C16)	9.565	2302298	20.186 ug/ml
8) T n-Octadecane (C18)	11.000	2337384	19.821 ug/ml
10) T n-Eicosane (C20)	12.303	2268292	19.320 ug/ml
11) T n-Heneicosane (C21)	12.912	2253848	19.088 ug/ml
13) T n-Docosane (C22)	13.495	2192060	18.768 ug/ml
14) T n-Tetracosane (C24)	14.594	2111880	18.245 ug/mlm
15) T n-Hexacosane (C26)	15.610	1998270	17.830 ug/ml
16) T n-Octacosane (C28)	16.557	1925079	17.731 ug/ml
17) T n-Tricontane (C30)	17.442	1866459	17.876 ug/ml
18) T n-Dotriacontane (C32)	18.271	1822910	18.407 ug/ml
19) T n-Tetratriacontane (C34)	19.051	1817526	19.176 ug/ml
20) T n-Hexatriacontane (C36)	19.789	1784668	19.750 ug/ml
21) T n-Octatriacontane (C38)	20.490	1795022	20.775 ug/ml
22) T n-Tetracontane (C40)	21.292	1831474	20.566 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA
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ALS Vial : 2 Sample Multiplier: 1

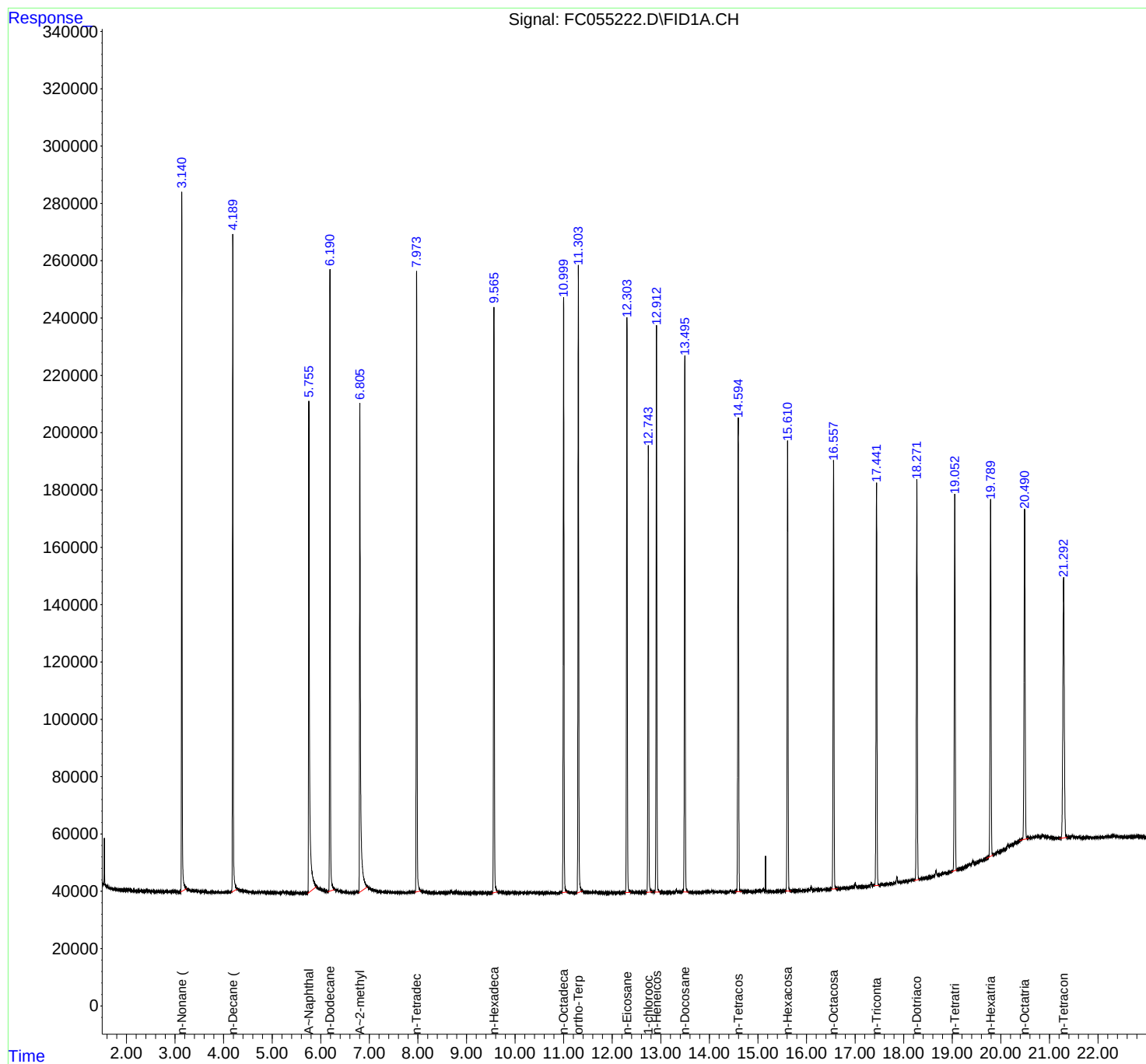
Instrument :
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20 PPM ALIPHATIC HC STD

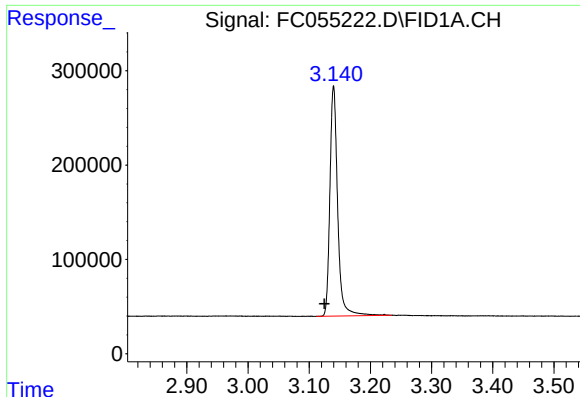
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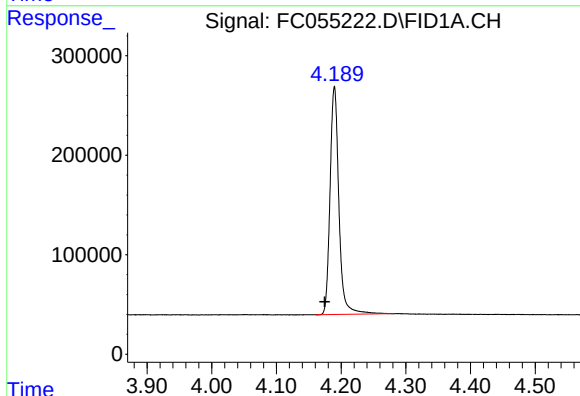
#1 n-Nonane (C9)

R.T.: 3.140 min
Delta R.T.: 0.015 min
Response: 2141866
Conc: 20.48 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

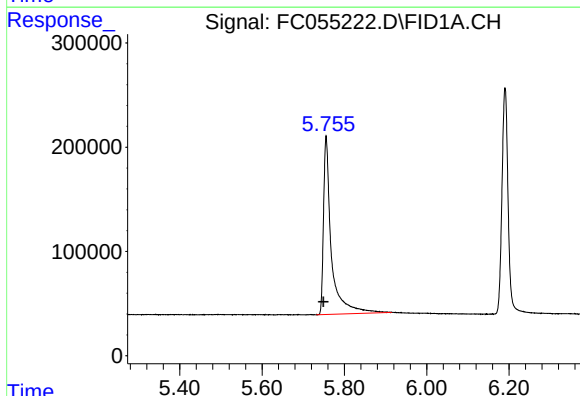
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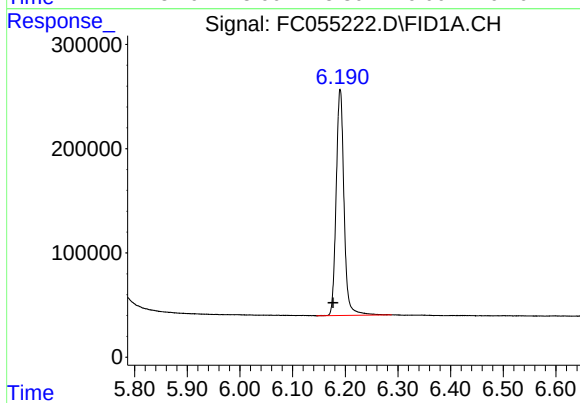
#2 n-Decane (C10)

R.T.: 4.190 min
Delta R.T.: 0.015 min
Response: 2182038
Conc: 20.72 ug/ml



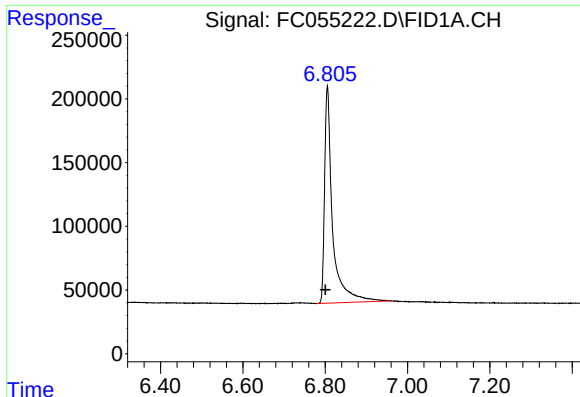
#3 A~Naphthalene (C11.7)

R.T.: 5.756 min
Delta R.T.: 0.007 min
Response: 2276536
Conc: 20.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.190 min
Delta R.T.: 0.013 min
Response: 2254232
Conc: 20.76 ug/ml



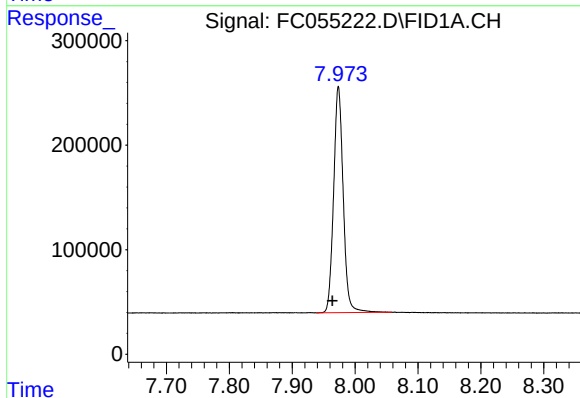
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.806 min
Delta R.T.: 0.005 min
Response: 2297595
Conc: 21.05 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

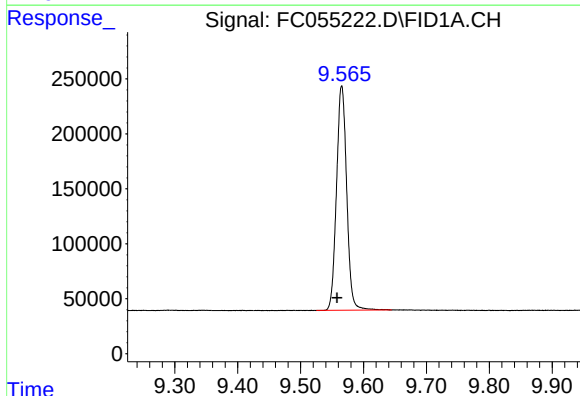
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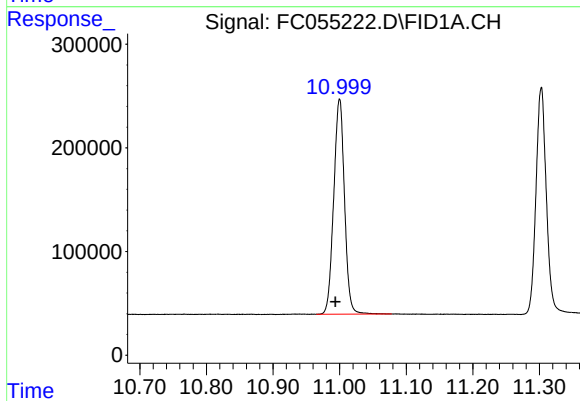
#6 n-Tetradecane (C14)

R.T.: 7.974 min
Delta R.T.: 0.010 min
Response: 2291937
Conc: 20.53 ug/ml



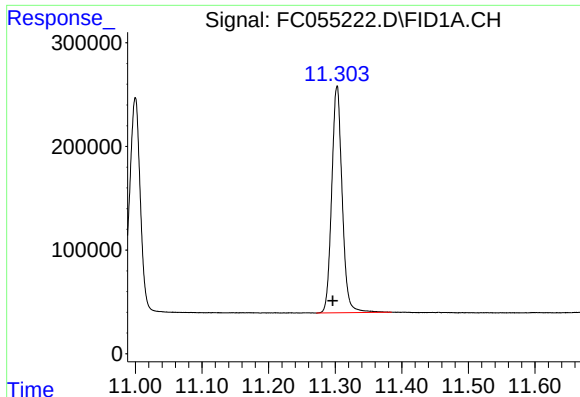
#7 n-Hexadecane (C16)

R.T.: 9.565 min
Delta R.T.: 0.008 min
Response: 2302298
Conc: 20.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.000 min
Delta R.T.: 0.006 min
Response: 2337384
Conc: 19.82 ug/ml



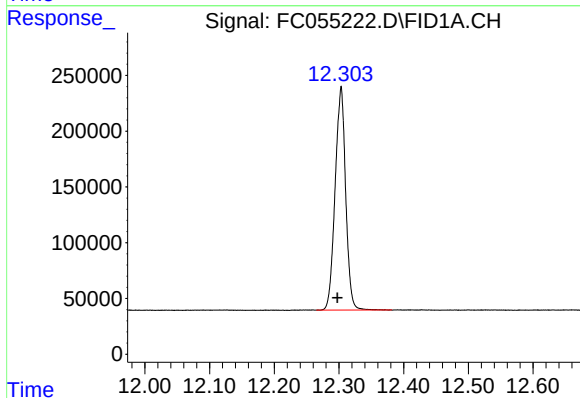
#9 ortho-Terphenyl (SURR)

R.T.: 11.303 min
Delta R.T.: 0.006 min
Response: 2384891
Conc: 18.94 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

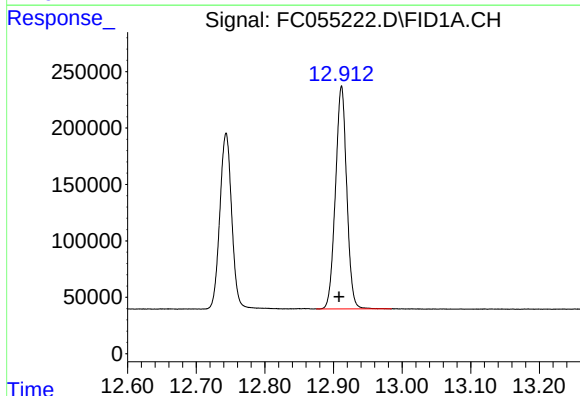
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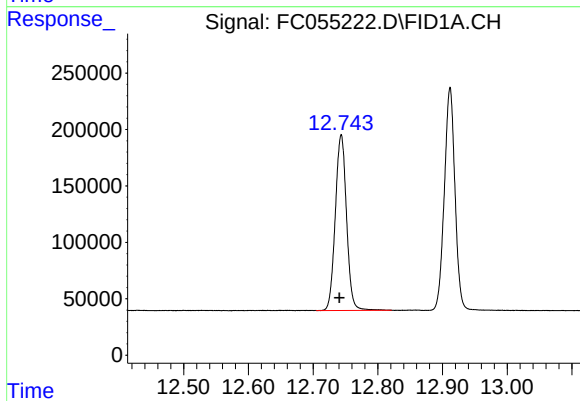
#10 n-Eicosane (C20)

R.T.: 12.303 min
Delta R.T.: 0.005 min
Response: 2268292
Conc: 19.32 ug/ml



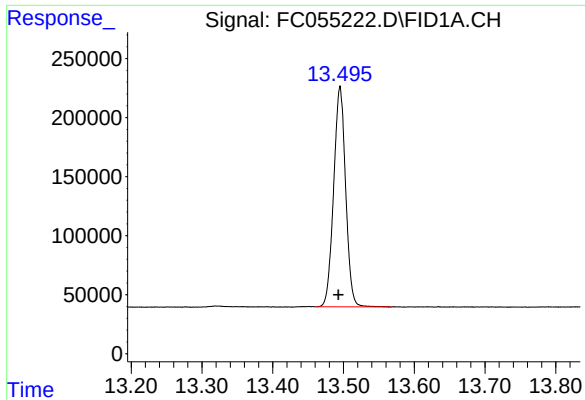
#11 n-Heneicosane (C21)

R.T.: 12.912 min
Delta R.T.: 0.004 min
Response: 2253848
Conc: 19.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.743 min
Delta R.T.: 0.003 min
Response: 1875079
Conc: 18.92 ug/ml



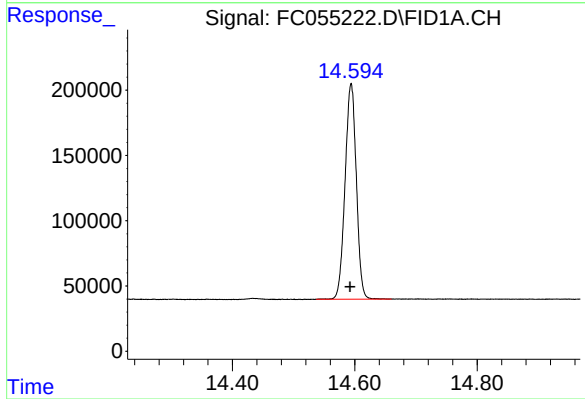
#13 n-Docosane (C22)

R.T.: 13.495 min
Delta R.T.: 0.002 min
Response: 2192060
Conc: 18.77 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

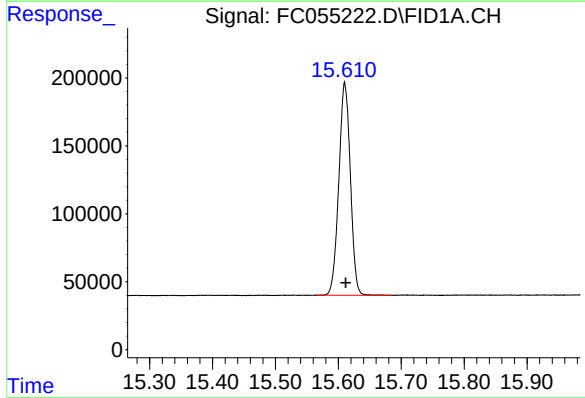
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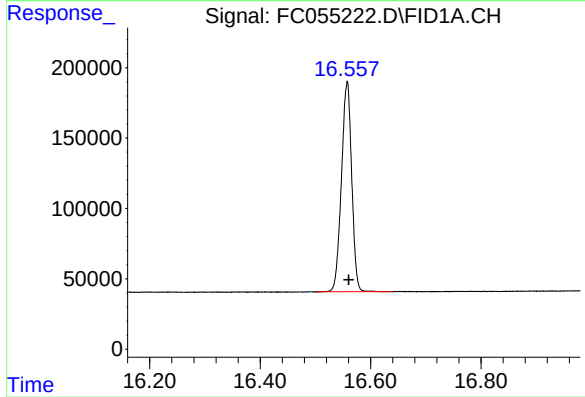
#14 n-Tetracosane (C24)

R.T.: 14.594 min
Delta R.T.: 0.001 min
Response: 2111880
Conc: 18.25 ug/ml m



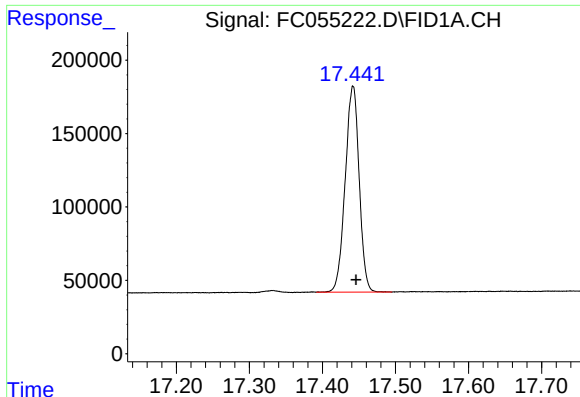
#15 n-Hexacosane (C26)

R.T.: 15.610 min
Delta R.T.: -0.001 min
Response: 1998270
Conc: 17.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.557 min
Delta R.T.: -0.003 min
Response: 1925079
Conc: 17.73 ug/ml



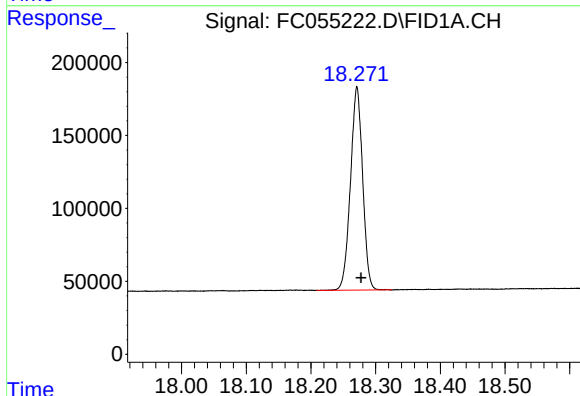
#17 n-Tricontane (C30)

R.T.: 17.442 min
Delta R.T.: -0.005 min
Response: 1866459
Conc: 17.88 ug/ml

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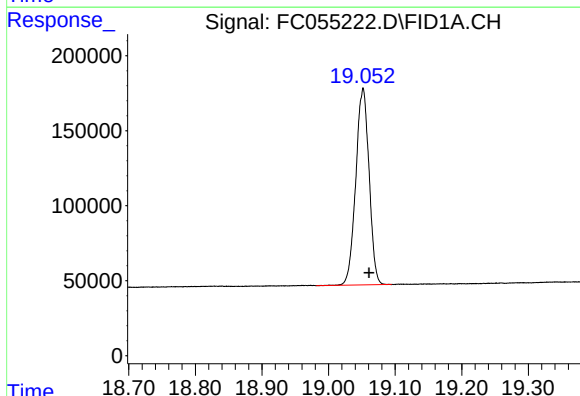
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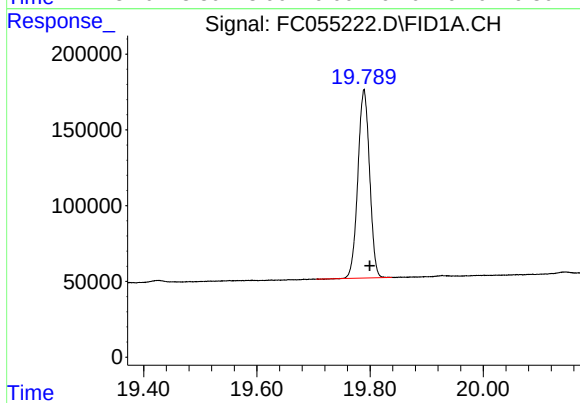
#18 n-Dotriacontane (C32)

R.T.: 18.271 min
Delta R.T.: -0.006 min
Response: 1822910
Conc: 18.41 ug/ml



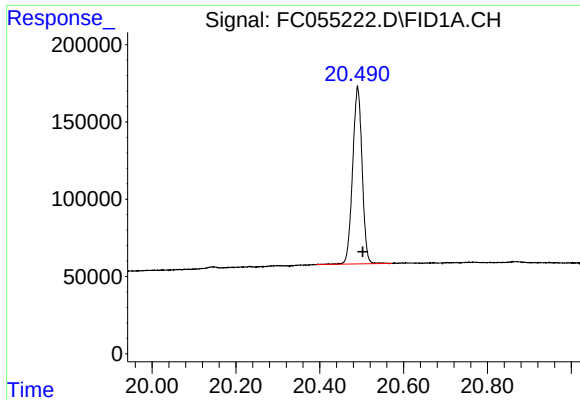
#19 n-Tetratriacontane (C34)

R.T.: 19.051 min
Delta R.T.: -0.009 min
Response: 1817526
Conc: 19.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.789 min
Delta R.T.: -0.010 min
Response: 1784668
Conc: 19.75 ug/ml



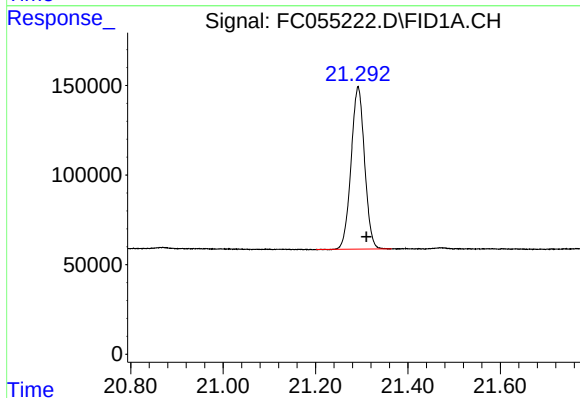
#21 n-Octatriacontane (C38)

R.T.: 20.490 min
Delta R.T.: -0.012 min
Response: 1795022
Conc: 20.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.292 min
Delta R.T.: -0.018 min
Response: 1831474
Conc: 20.57 ug/ml