

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090221AL\
 Data File : FC055513.D
 Signal(s) : FID1A.CH
 Acq On : 03 Sep 2021 10:21
 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 8:07:06 AM

Integration File: autoint1.e
 Quant Time: Sep 03 13:12:56 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)	11.656	2481431	19.863 ug/ml
Spiked Amount 50.000		Recovery =	39.73%
12) S 1-chlorooctadecane (S...	13.090	1909349	19.293 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
Target Compounds			
1) T n-Nonane (C9)	3.398	2341463	21.661 ug/ml
2) T n-Decane (C10)	4.469	2405433	22.060 ug/ml
3) T A~Naphthalene (C11.7)	6.062	2711269	22.003 ug/ml
4) T n-Dodecane (C12)	6.492	2424428	22.142 ug/ml
5) T A~2-methylnaphthalene...	7.120	2732415	21.956 ug/ml
6) T n-Tetradecane (C14)	8.289	2442122	21.927 ug/ml
7) T n-Hexadecane (C16)	9.891	2423198	21.441 ug/ml
8) T n-Octadecane (C18)	11.335	2416111	20.752 ug/ml
10) T n-Eicosane (C20)	12.645	2307504	19.748 ug/ml
11) T n-Heneicosane (C21)	13.257	2278964	19.363 ug/ml
13) T n-Docosane (C22)	13.843	2215544	18.993 ug/ml
14) T n-Tetracosane (C24)	14.945	2101600	18.046 ug/ml
15) T n-Hexacosane (C26)	15.966	1972218	17.410 ug/ml
16) T n-Octacosane (C28)	16.915	1896773	17.141 ug/ml
17) T n-Tricontane (C30)	17.803	1858019	17.474 ug/ml
18) T n-Dotriacontane (C32)	18.635	1821354	18.174 ug/ml
19) T n-Tetratriacontane (C34)	19.418	1900274	20.134 ug/ml
20) T n-Hexatriacontane (C36)	20.157	1740373	20.045 ug/mlm
21) T n-Octatriacontane (C38)	20.905	1706002	20.930 ug/mlm
22) T n-Tetracontane (C40)	21.842	1776880	22.124 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

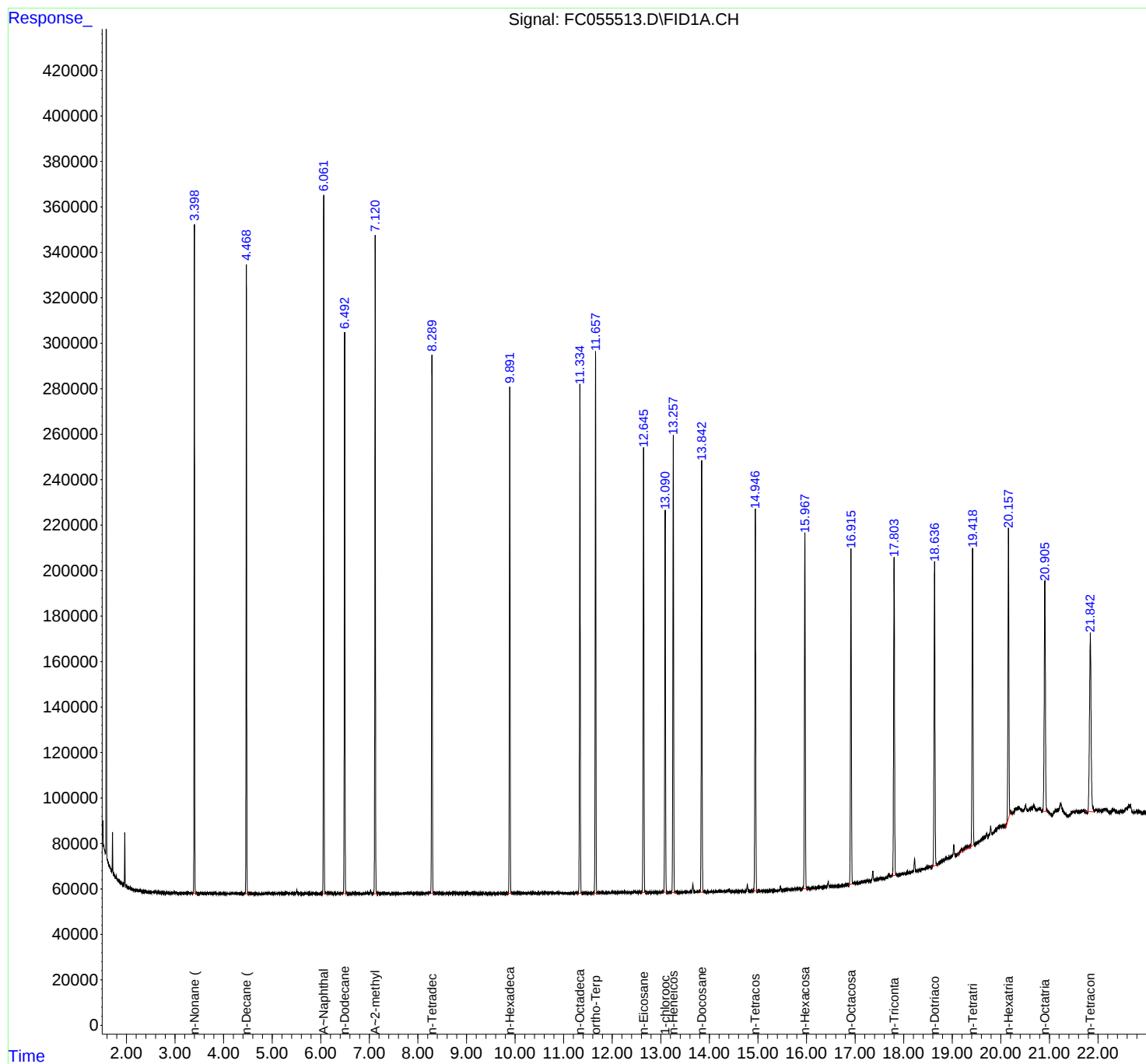
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

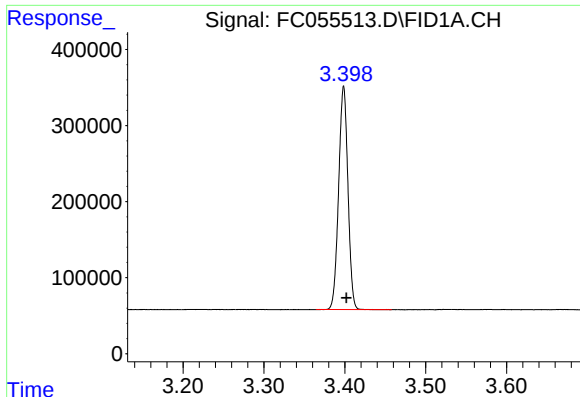
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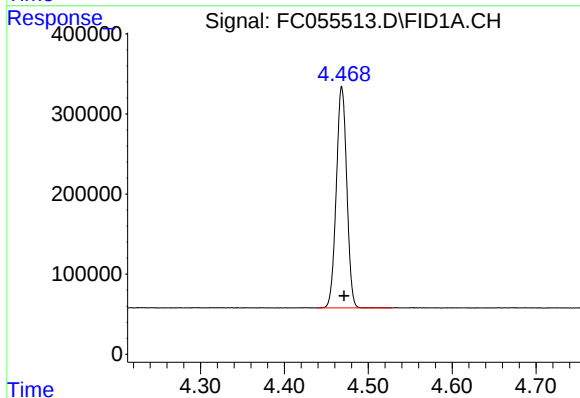
#1 n-Nonane (C9)

R.T.: 3.398 min
Delta R.T.: -0.004 min
Response: 2341463
Conc: 21.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

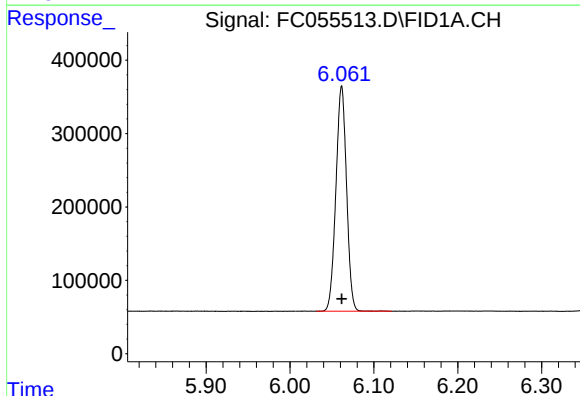
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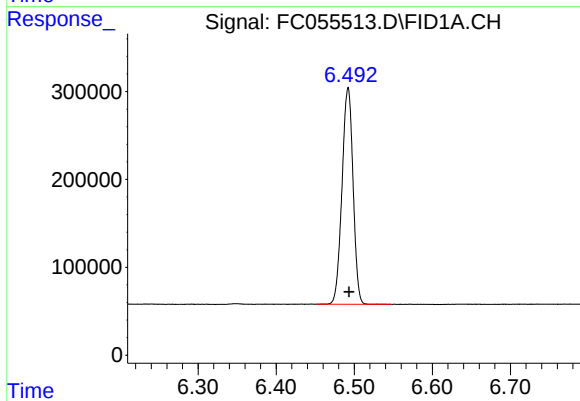
#2 n-Decane (C10)

R.T.: 4.469 min
Delta R.T.: -0.003 min
Response: 2405433
Conc: 22.06 ug/ml



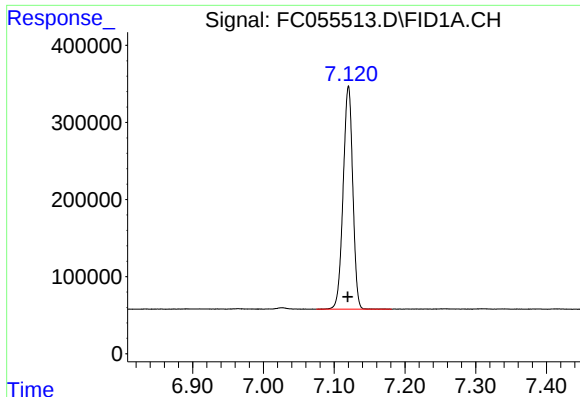
#3 A~Naphthalene (C11.7)

R.T.: 6.062 min
Delta R.T.: 0.000 min
Response: 2711269
Conc: 22.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.492 min
Delta R.T.: -0.001 min
Response: 2424428
Conc: 22.14 ug/ml



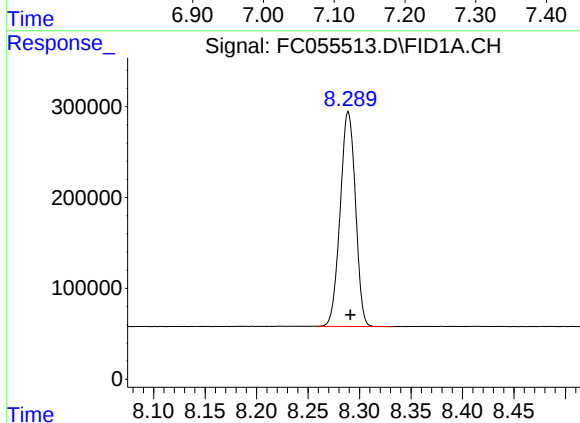
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 2732415
Conc: 21.96 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

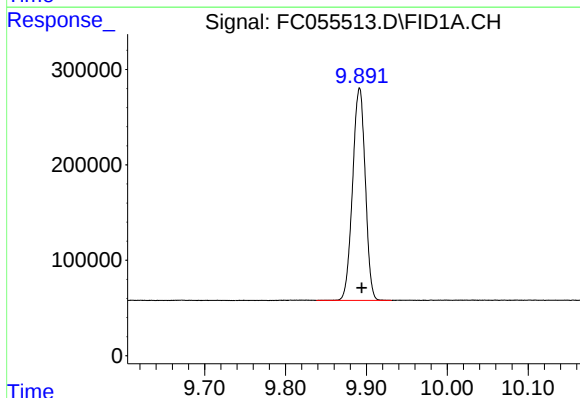
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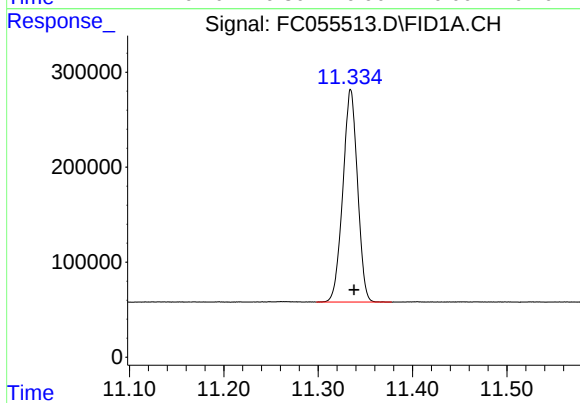
#6 n-Tetradecane (C14)

R.T.: 8.289 min
Delta R.T.: -0.002 min
Response: 2442122
Conc: 21.93 ug/ml



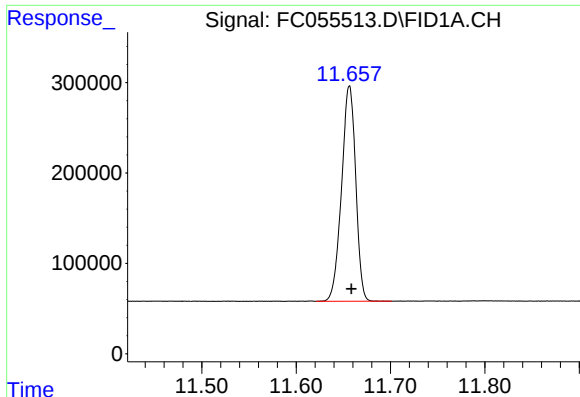
#7 n-Hexadecane (C16)

R.T.: 9.891 min
Delta R.T.: -0.003 min
Response: 2423198
Conc: 21.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.335 min
Delta R.T.: -0.004 min
Response: 2416111
Conc: 20.75 ug/ml



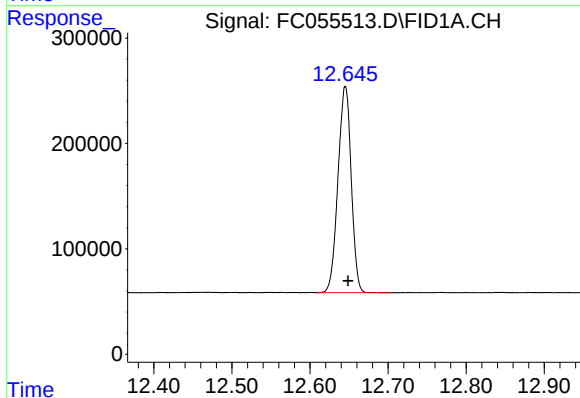
#9 ortho-Terphenyl (SURR)

R.T.: 11.656 min
Delta R.T.: -0.002 min
Response: 2481431
Conc: 19.86 ug/ml

Instrument :
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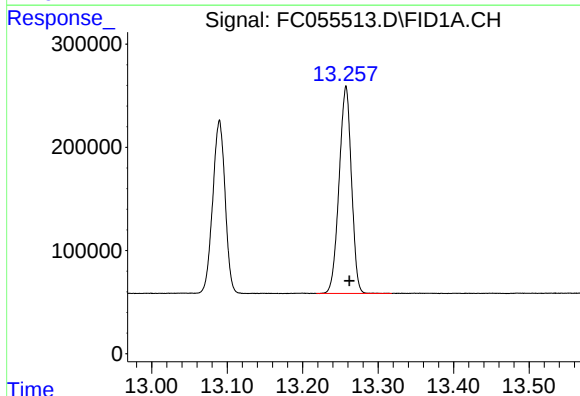
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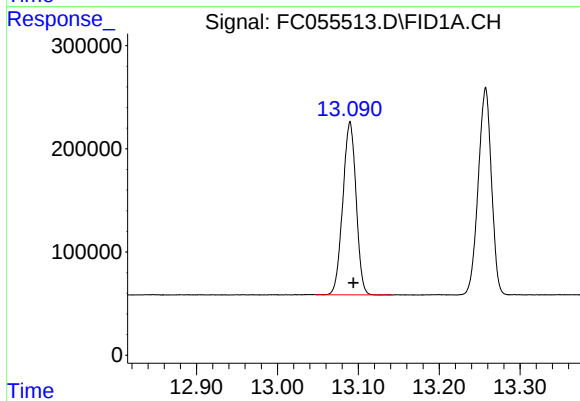
#10 n-Eicosane (C20)

R.T.: 12.645 min
Delta R.T.: -0.004 min
Response: 2307504
Conc: 19.75 ug/ml



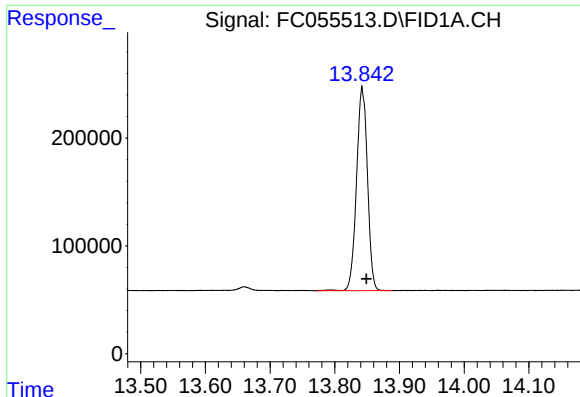
#11 n-Heneicosane (C21)

R.T.: 13.257 min
Delta R.T.: -0.005 min
Response: 2278964
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.090 min
Delta R.T.: -0.004 min
Response: 1909349
Conc: 19.29 ug/ml



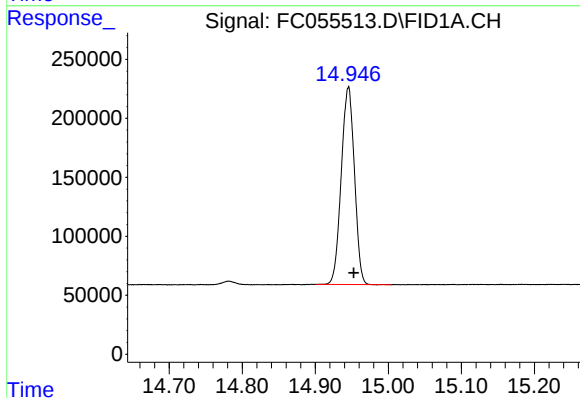
#13 n-Docosane (C22)

R.T.: 13.843 min
Delta R.T.: -0.006 min
Response: 2215544
Conc: 18.99 ug/ml

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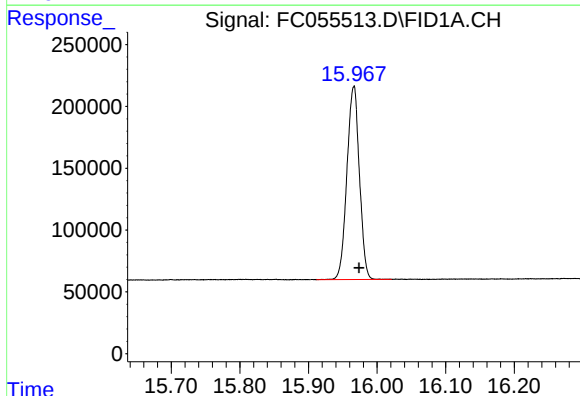
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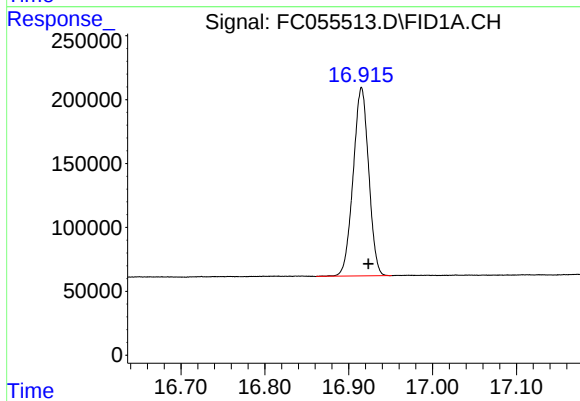
#14 n-Tetracosane (C24)

R.T.: 14.945 min
Delta R.T.: -0.008 min
Response: 2101600
Conc: 18.05 ug/ml



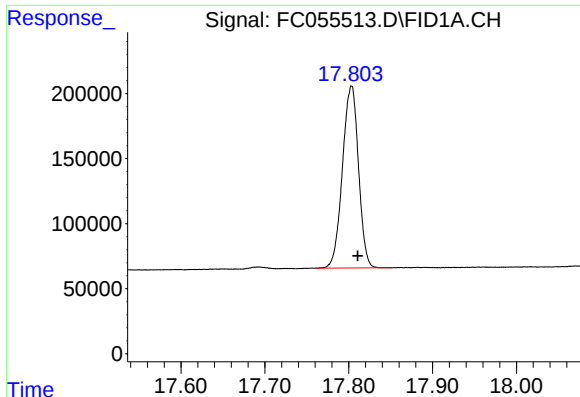
#15 n-Hexacosane (C26)

R.T.: 15.966 min
Delta R.T.: -0.008 min
Response: 1972218
Conc: 17.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.915 min
Delta R.T.: -0.008 min
Response: 1896773
Conc: 17.14 ug/ml



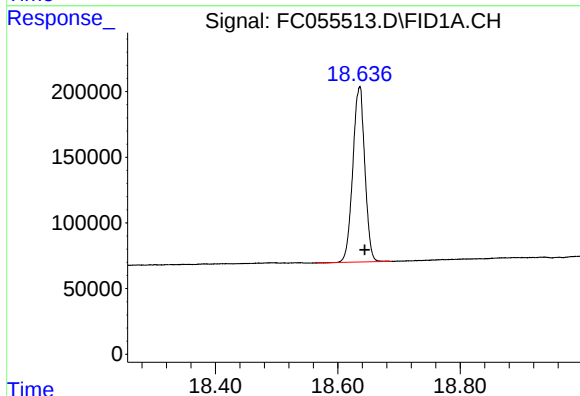
#17 n-Tricontane (C30)

R.T.: 17.803 min
Delta R.T.: -0.008 min
Response: 1858019
Conc: 17.47 ug/ml

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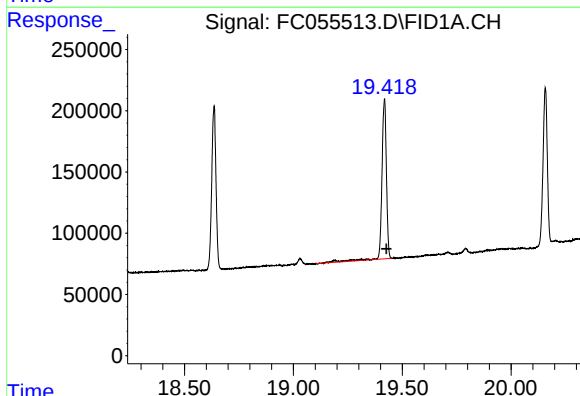
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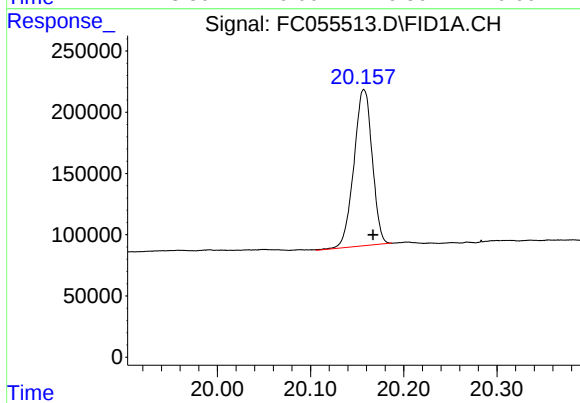
#18 n-Dotriacontane (C32)

R.T.: 18.635 min
Delta R.T.: -0.009 min
Response: 1821354
Conc: 18.17 ug/ml



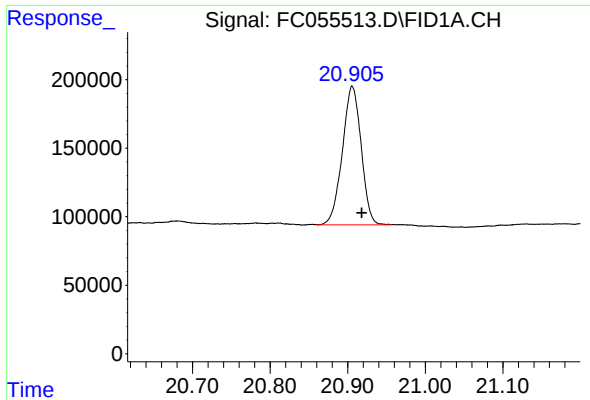
#19 n-Tetratriacontane (C34)

R.T.: 19.418 min
Delta R.T.: -0.009 min
Response: 1900274
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.157 min
Delta R.T.: -0.010 min
Response: 1740373
Conc: 20.04 ug/ml m



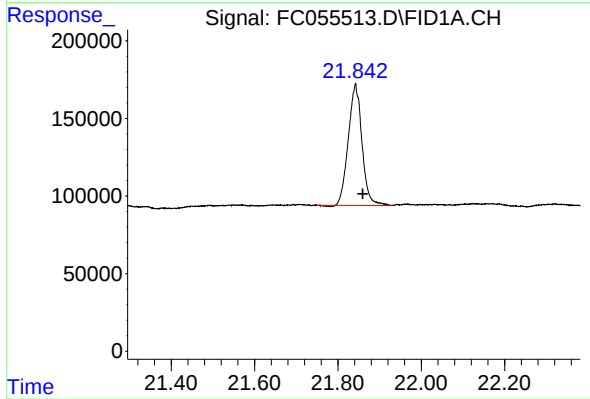
#21 n-Octatriacontane (C38)

R.T.: 20.905 min
Delta R.T.: -0.013 min
Response: 1706002
Conc: 20.93 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.842 min
Delta R.T.: -0.018 min
Response: 1776880
Conc: 22.12 ug/ml