

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091421AL\
 Data File : FC055627.D
 Signal(s) : FID1A.CH
 Acq On : 14 Sep 2021 13:54
 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
 9/17/2021 3:10:10 PM

Integration File: sample.E
 Quant Time: Sep 15 01:21:25 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)	11.657	2289320	18.325 ug/ml
Spiked Amount 50.000		Recovery =	36.65%
12) S 1-chlorooctadecane (S...	13.091	1746184	17.644 ug/ml
Spiked Amount 50.000		Recovery =	35.29%
Target Compounds			
1) T n-Nonane (C9)	3.400	2432697	22.505 ug/ml
2) T n-Decane (C10)	4.470	2457627	22.539 ug/ml
3) T A~Naphthalene (C11.7)	6.064	2689861	21.829 ug/ml
4) T n-Dodecane (C12)	6.493	2437350	22.260 ug/ml
5) T A~2-methylnaphthalene...	7.123	2673693	21.485 ug/ml
6) T n-Tetradecane (C14)	8.290	2400380	21.552 ug/ml
7) T n-Hexadecane (C16)	9.892	2314234	20.477 ug/ml
8) T n-Octadecane (C18)	11.335	2259853	19.410 ug/ml
10) T n-Eicosane (C20)	12.645	2121517	18.156 ug/ml
11) T n-Heneicosane (C21)	13.257	2089559	17.754 ug/ml
13) T n-Docosane (C22)	13.843	2023553	17.347 ug/ml
14) T n-Tetracosane (C24)	14.945	1947719	16.725 ug/ml
15) T n-Hexacosane (C26)	15.965	1868924	16.498 ug/ml
16) T n-Octacosane (C28)	16.914	1853006	16.746 ug/ml
17) T n-Tricontane (C30)	17.801	1842458	17.327 ug/ml
18) T n-Dotriacontane (C32)	18.632	1815654	18.117 ug/ml
19) T n-Tetratriacontane (C34)	19.415	1806010	19.136 ug/ml
20) T n-Hexatriacontane (C36)	20.153	1771457	20.403 ug/mlm
21) T n-Octatriacontane (C38)	20.899	1739035	21.335 ug/mlm
22) T n-Tetracontane (C40)	21.836	1779749	22.159 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

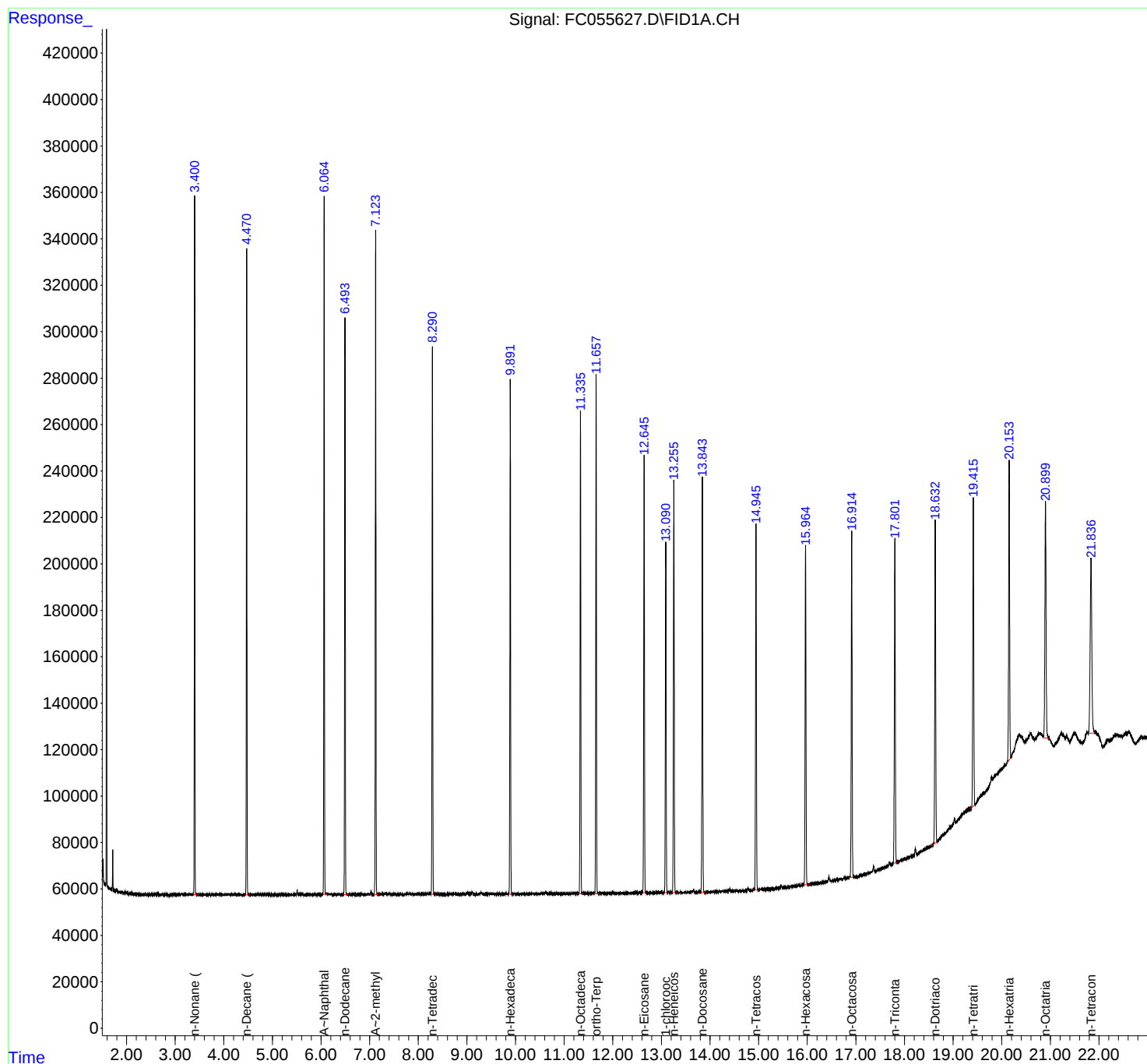
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20 PPM ALIPHATIC HC STD

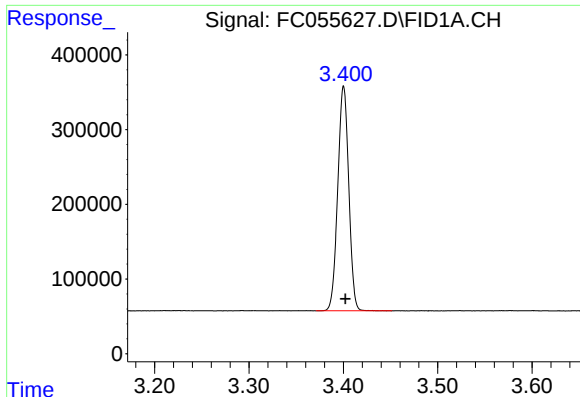
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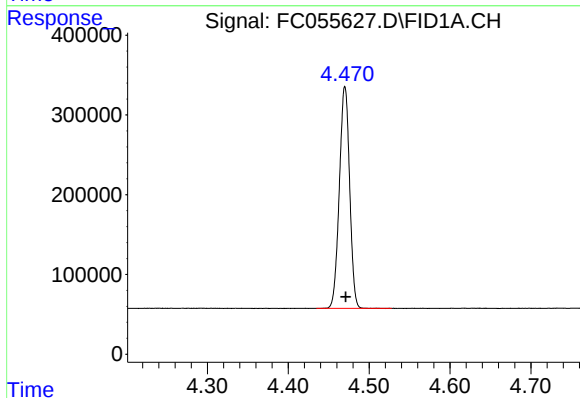
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.002 min
Response: 2432697
Conc: 22.51 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

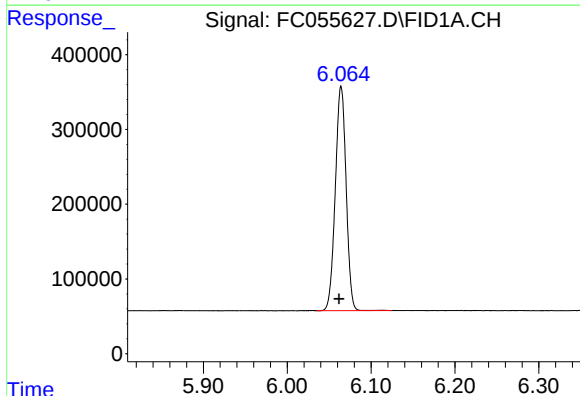
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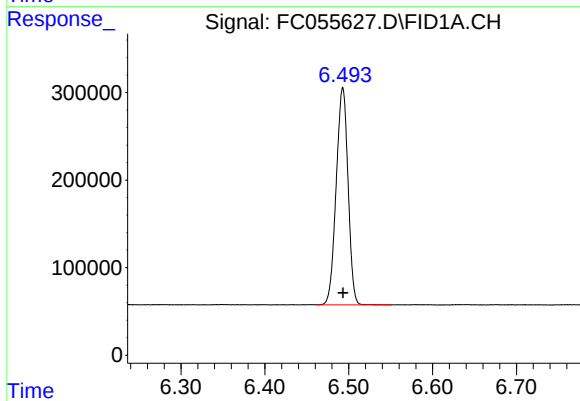
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: -0.001 min
Response: 2457627
Conc: 22.54 ug/ml



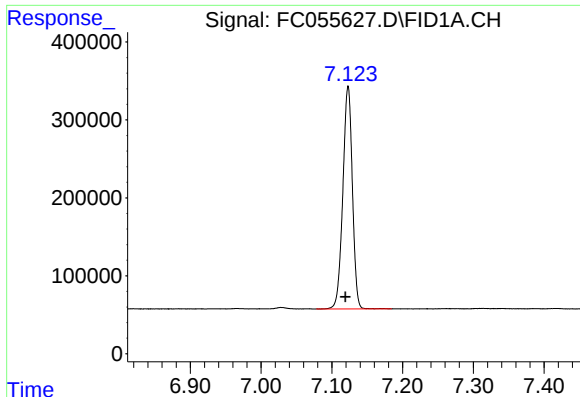
#3 A~Naphthalene (C11.7)

R.T.: 6.064 min
Delta R.T.: 0.002 min
Response: 2689861
Conc: 21.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 2437350
Conc: 22.26 ug/ml



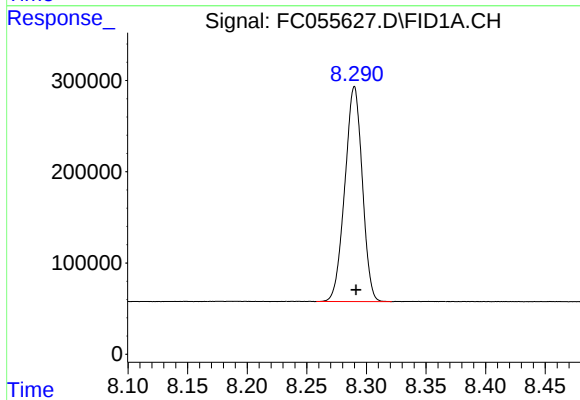
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.123 min
Delta R.T.: 0.004 min
Response: 2673693
Conc: 21.48 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

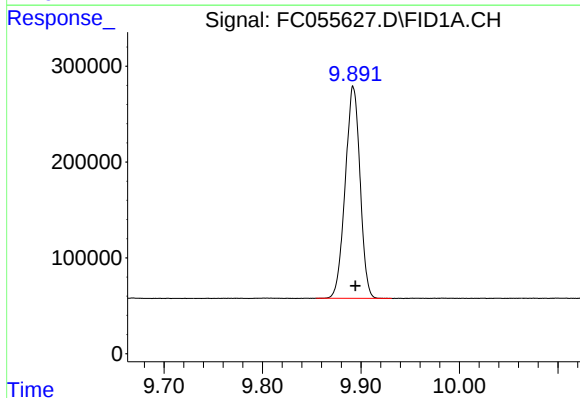
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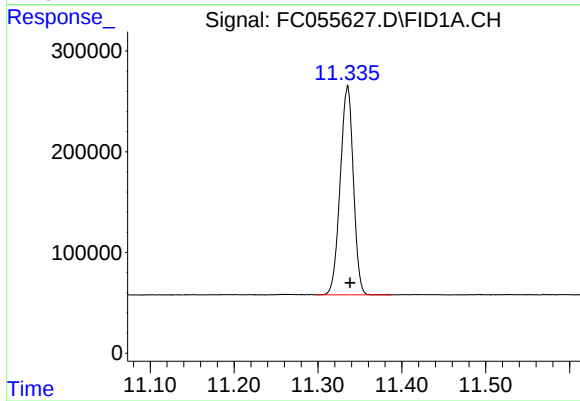
#6 n-Tetradecane (C14)

R.T.: 8.290 min
Delta R.T.: -0.001 min
Response: 2400380
Conc: 21.55 ug/ml



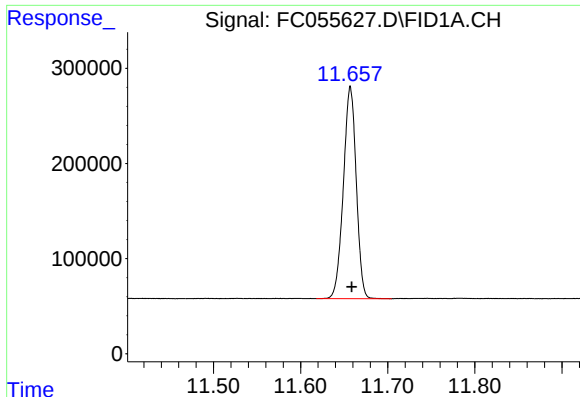
#7 n-Hexadecane (C16)

R.T.: 9.892 min
Delta R.T.: -0.002 min
Response: 2314234
Conc: 20.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.335 min
Delta R.T.: -0.003 min
Response: 2259853
Conc: 19.41 ug/ml



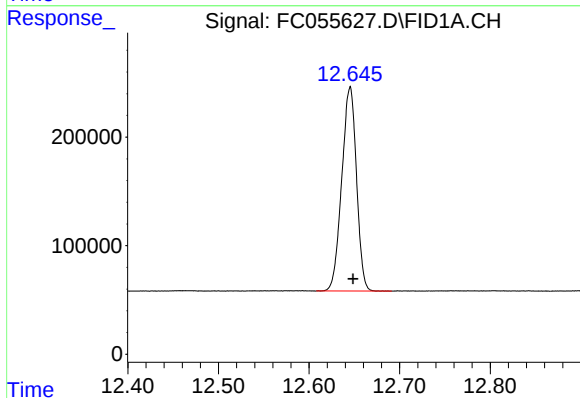
#9 ortho-Terphenyl (SURR)

R.T.: 11.657 min
Delta R.T.: -0.002 min
Response: 2289320
Conc: 18.33 ug/ml

Instrument :
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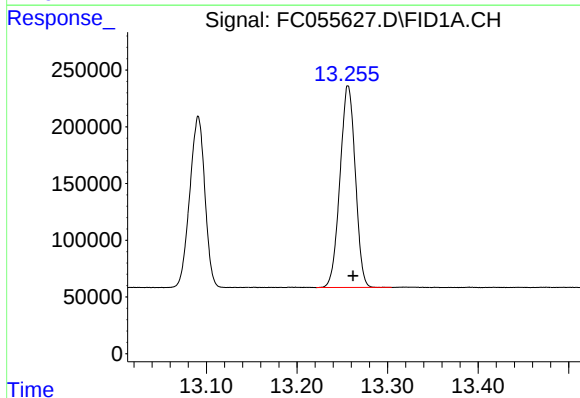
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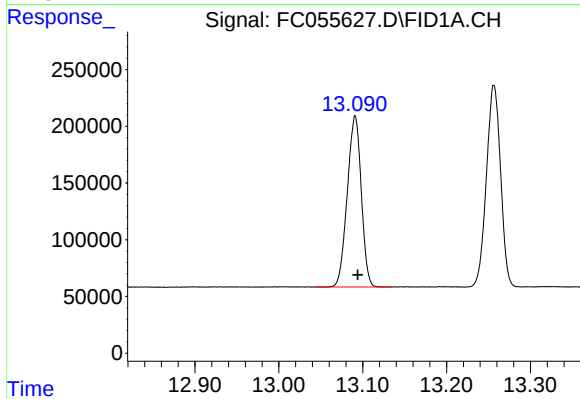
#10 n-Eicosane (C20)

R.T.: 12.645 min
Delta R.T.: -0.004 min
Response: 2121517
Conc: 18.16 ug/ml



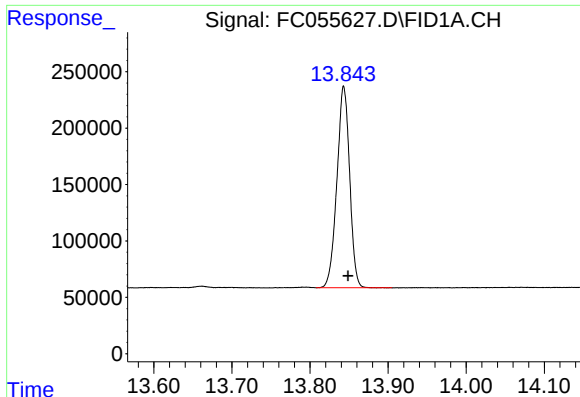
#11 n-Heneicosane (C21)

R.T.: 13.257 min
Delta R.T.: -0.005 min
Response: 2089559
Conc: 17.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.091 min
Delta R.T.: -0.003 min
Response: 1746184
Conc: 17.64 ug/ml



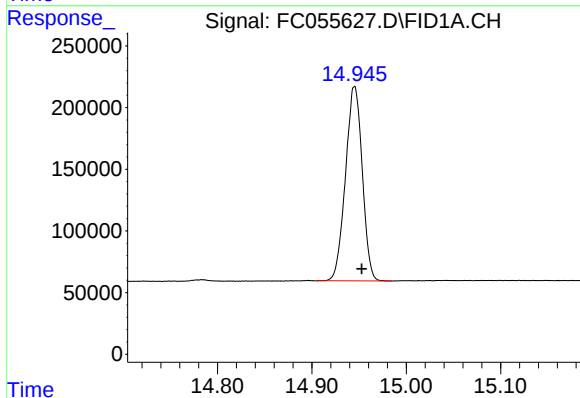
#13 n-Docosane (C22)

R.T.: 13.843 min
Delta R.T.: -0.006 min
Response: 2023553
Conc: 17.35 ug/ml

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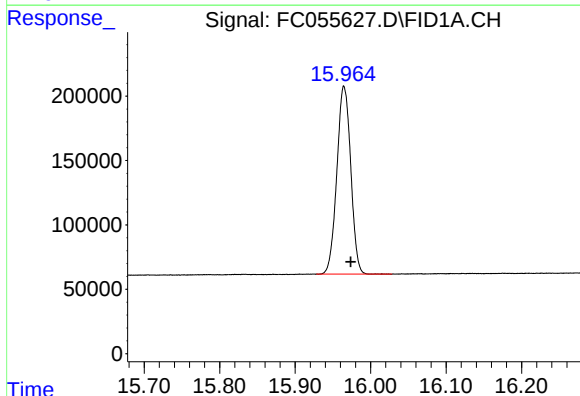
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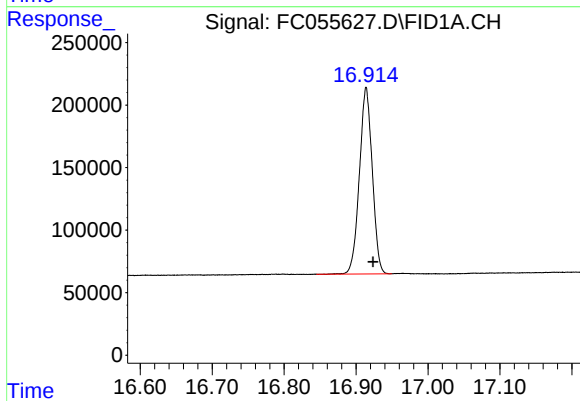
#14 n-Tetracosane (C24)

R.T.: 14.945 min
Delta R.T.: -0.008 min
Response: 1947719
Conc: 16.72 ug/ml



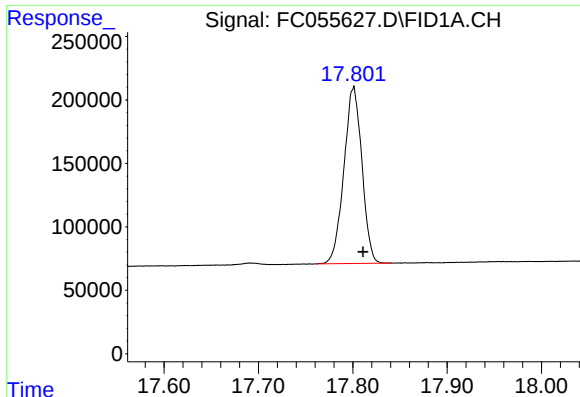
#15 n-Hexacosane (C26)

R.T.: 15.965 min
Delta R.T.: -0.009 min
Response: 1868924
Conc: 16.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.914 min
Delta R.T.: -0.009 min
Response: 1853006
Conc: 16.75 ug/ml



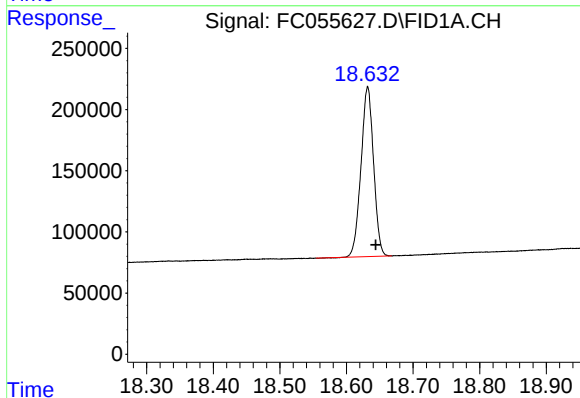
#17 n-Tricontane (C30)

R.T.: 17.801 min
Delta R.T.: -0.010 min
Response: 1842458
Conc: 17.33 ug/ml

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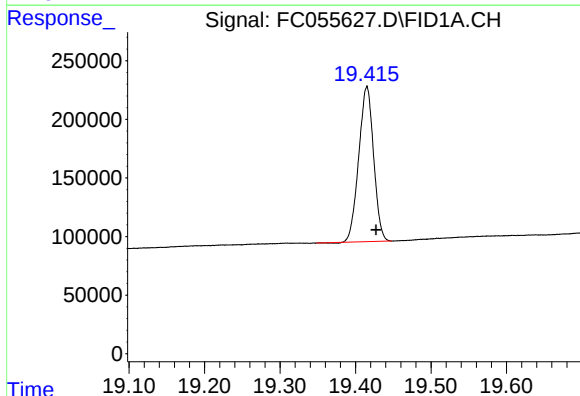
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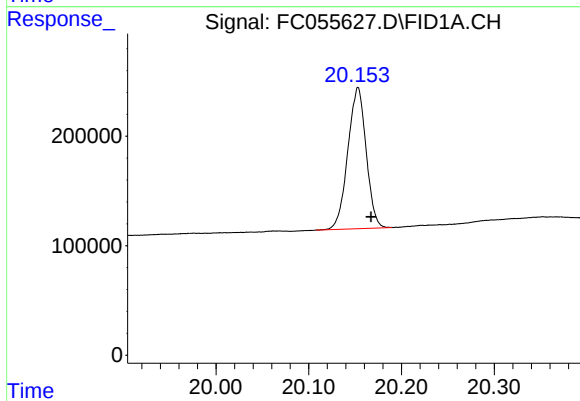
#18 n-Dotriacontane (C32)

R.T.: 18.632 min
Delta R.T.: -0.012 min
Response: 1815654
Conc: 18.12 ug/ml



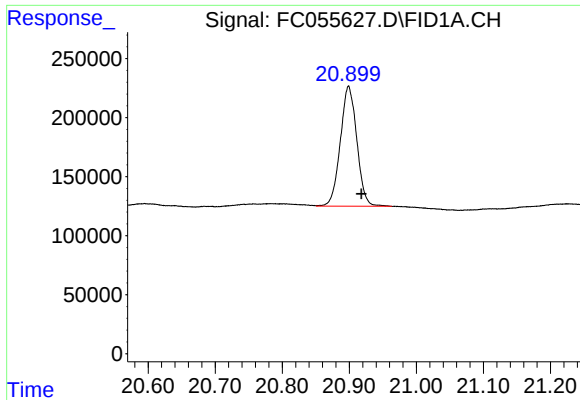
#19 n-Tetratriacontane (C34)

R.T.: 19.415 min
Delta R.T.: -0.012 min
Response: 1806010
Conc: 19.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.153 min
Delta R.T.: -0.015 min
Response: 1771457
Conc: 20.40 ug/ml m



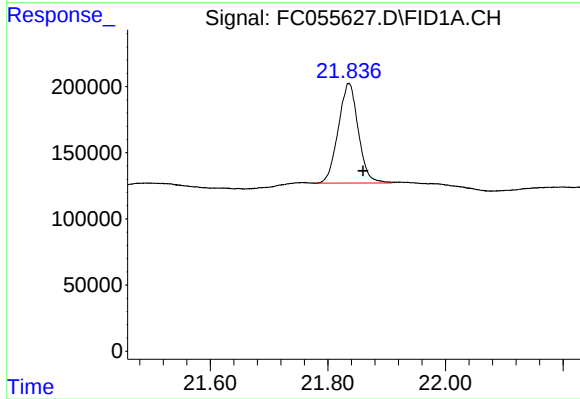
#21 n-Octatriacontane (C38)

R.T.: 20.899 min
Delta R.T.: -0.019 min
Response: 1739035
Conc: 21.34 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.836 min
Delta R.T.: -0.024 min
Response: 1779749
Conc: 22.16 ug/ml m