

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031422AL\
 Data File : FC058712.D
 Signal(s) : FID1A.CH
 Acq On : 14 Mar 2022 16:17
 Operator : UA/NP
 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 :Yogesh Patel 03/15/2022
 Supervised By :Ankita Jodhani 03/15/2022

Integration File: autoint1.e
 Quant Time: Mar 15 03:07:18 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 23 17:15:11 2022
 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)	11.402	2687484	18.451 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	12.834	2056140	18.140 ug/ml
Spiked Amount 50.000		Recovery =	36.28%
Target Compounds			
1) T n-Nonane (C9)	3.255	2421599	20.137 ug/ml
2) T n-Decane (C10)	4.306	2415752	20.301 ug/ml
3) T A~Naphthalene (C11.7)	5.869	2549443	19.644 ug/ml
4) T n-Dodecane (C12)	6.300	2484999	20.200 ug/ml
5) T A~2-methylnaphthalene...	6.914	2556618	19.610 ug/ml
6) T n-Tetradecane (C14)	8.078	2509236	20.025 ug/ml
7) T n-Hexadecane (C16)	9.665	2515044	19.530 ug/ml
8) T n-Octadecane (C18)	11.094	2520830	19.156 ug/ml
10) T n-Eicosane (C20)	12.394	2452181	18.648 ug/ml
11) T n-Heneicosane (C21)	13.001	2431513	18.398 ug/ml
13) T n-Docosane (C22)	13.585	2395296	18.373 ug/ml
14) T n-Tetracosane (C24)	14.680	2340581	18.125 ug/ml
15) T n-Hexacosane (C26)	15.695	2261791	18.284 ug/ml
16) T n-Octacosane (C28)	16.638	2222401	18.670 ug/mlm
17) T n-Tricontane (C30)	17.522	2203229	19.573 ug/ml
18) T n-Dotriacontane (C32)	18.350	2179089	20.265 ug/mlm
19) T n-Tetratriacontane (C34)	19.131	2012962	20.776 ug/ml
20) T n-Hexatriacontane (C36)	19.865	2045005	22.668 ug/mlm
21) T n-Octatriacontane (C38)	20.571	1985984	22.821 ug/mlm
22) T n-Tetracontane (C40)	21.395	2158818	25.726 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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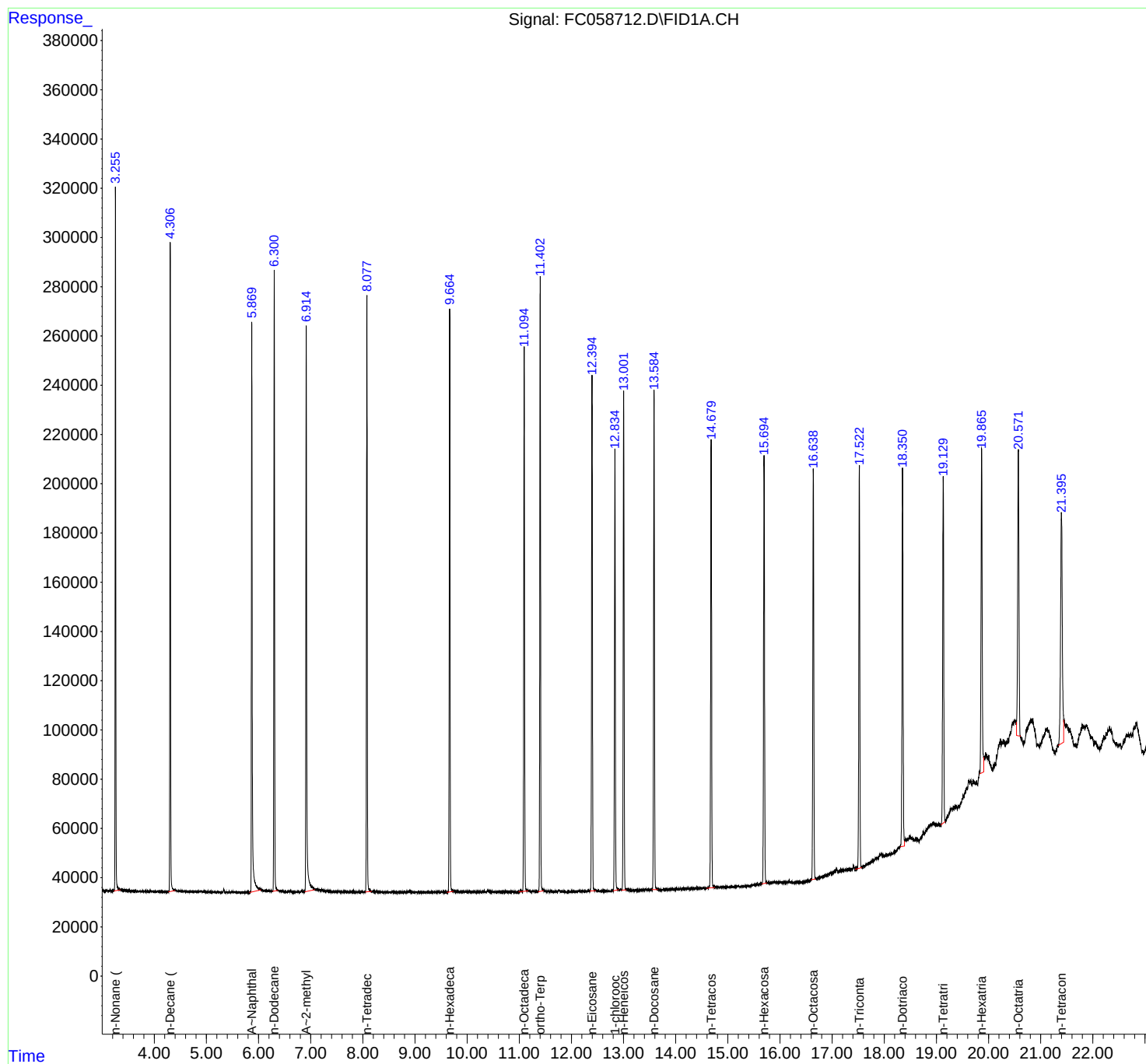
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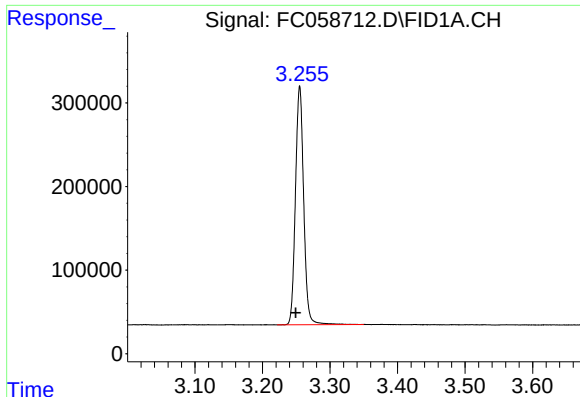
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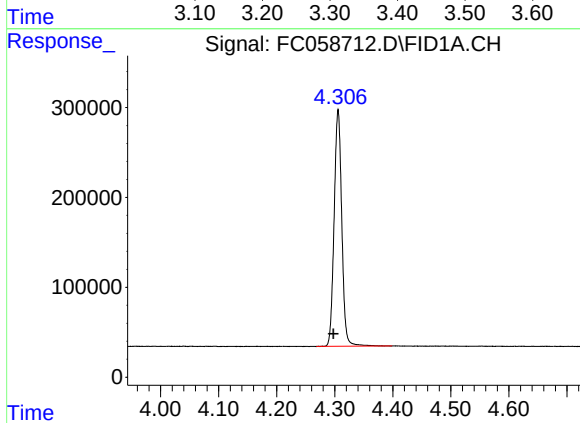
#1 n-Nonane (C9)

R.T.: 3.255 min
Delta R.T.: 0.006 min
Response: 2421599
Conc: 20.14 ug/ml

Instrument :
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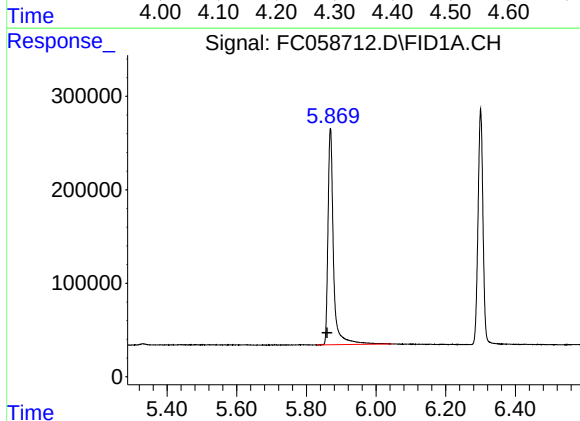
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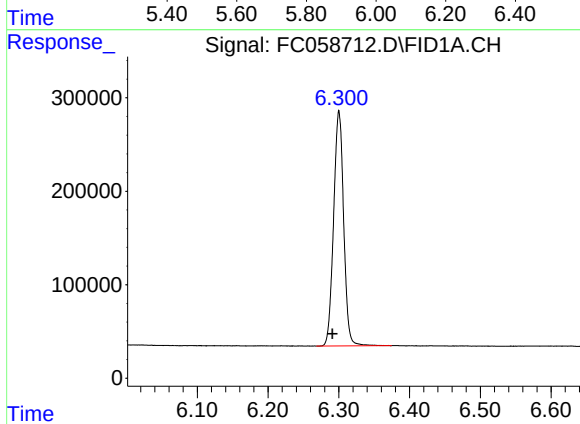
#2 n-Decane (C10)

R.T.: 4.306 min
Delta R.T.: 0.008 min
Response: 2415752
Conc: 20.30 ug/ml



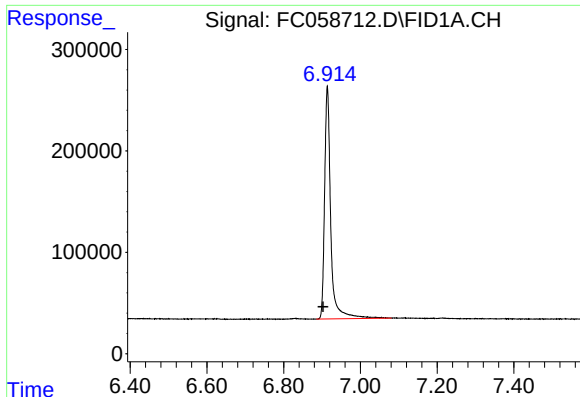
#3 A~Naphthalene (C11.7)

R.T.: 5.869 min
Delta R.T.: 0.010 min
Response: 2549443
Conc: 19.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.300 min
Delta R.T.: 0.009 min
Response: 2484999
Conc: 20.20 ug/ml



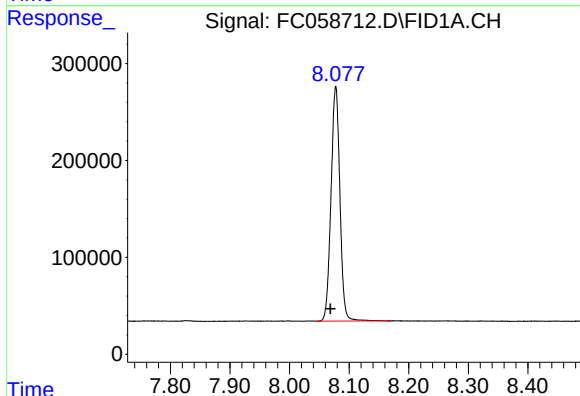
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.914 min
Delta R.T.: 0.011 min
Response: 2556618
Conc: 19.61 ug/ml

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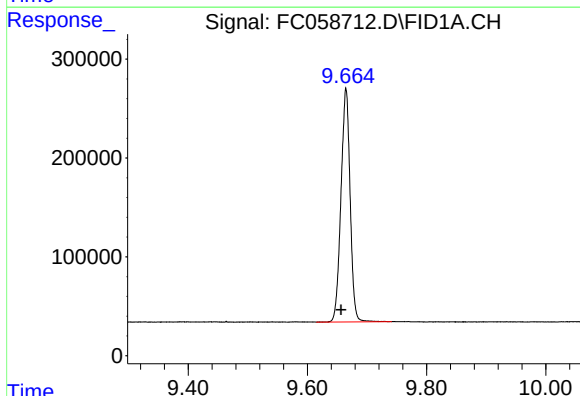
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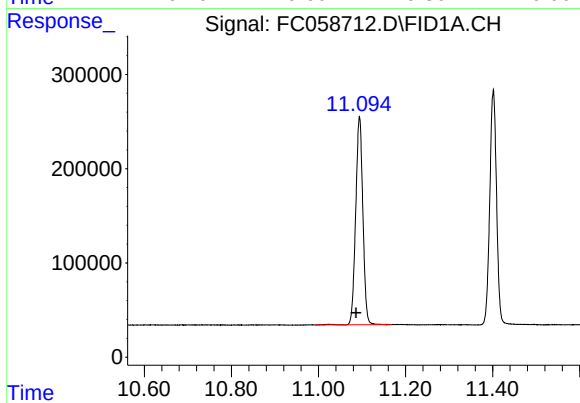
#6 n-Tetradecane (C14)

R.T.: 8.078 min
Delta R.T.: 0.009 min
Response: 2509236
Conc: 20.02 ug/ml



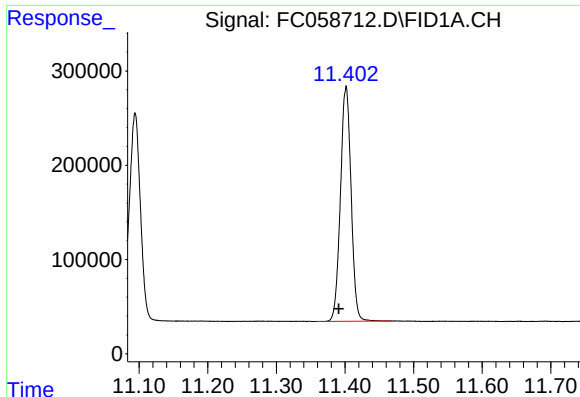
#7 n-Hexadecane (C16)

R.T.: 9.665 min
Delta R.T.: 0.008 min
Response: 2515044
Conc: 19.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.094 min
Delta R.T.: 0.008 min
Response: 2520830
Conc: 19.16 ug/ml



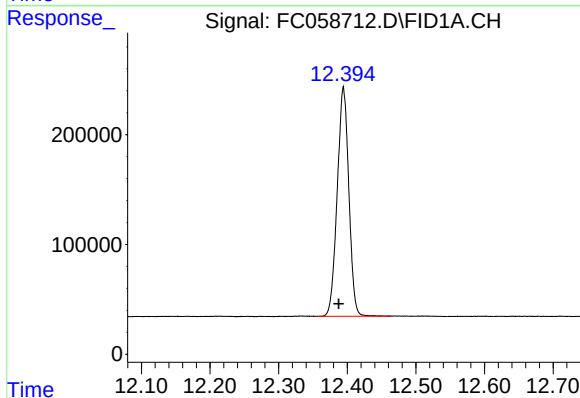
#9 ortho-Terphenyl (SURR)

R.T.: 11.402 min
Delta R.T.: 0.010 min
Response: 2687484
Conc: 18.45 ug/ml

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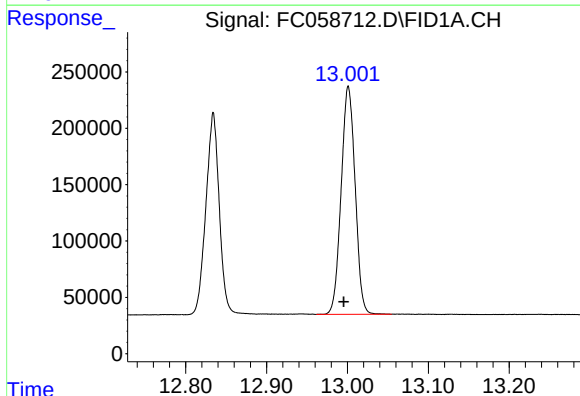
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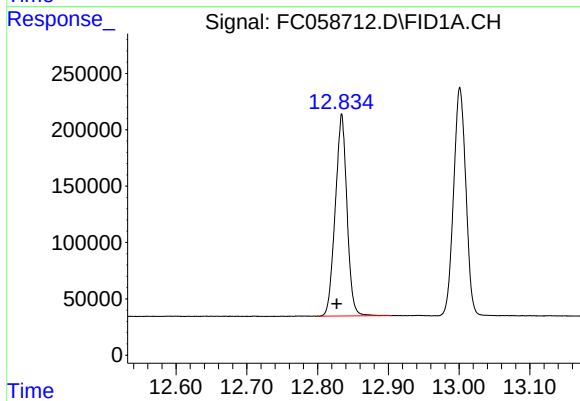
#10 n-Eicosane (C20)

R.T.: 12.394 min
Delta R.T.: 0.007 min
Response: 2452181
Conc: 18.65 ug/ml



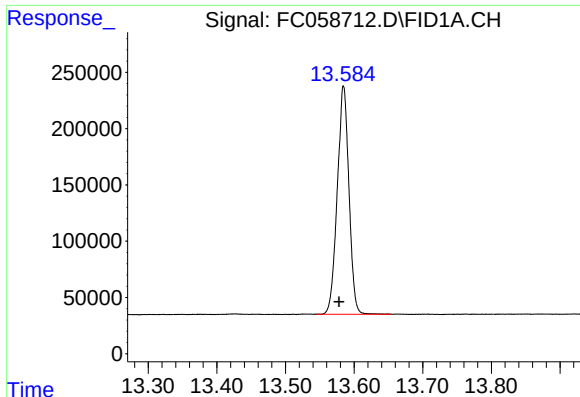
#11 n-Heneicosane (C21)

R.T.: 13.001 min
Delta R.T.: 0.006 min
Response: 2431513
Conc: 18.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.834 min
Delta R.T.: 0.007 min
Response: 2056140
Conc: 18.14 ug/ml



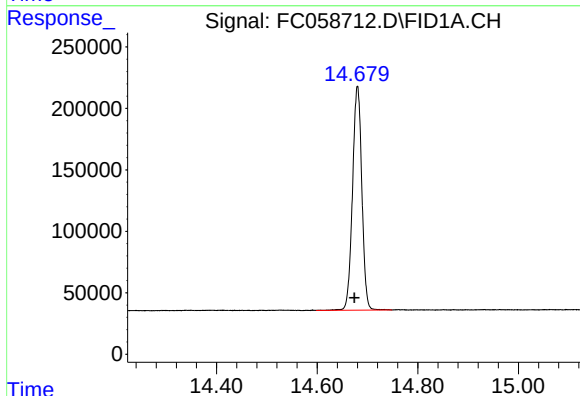
#13 n-Docosane (C22)

R.T.: 13.585 min
Delta R.T.: 0.007 min
Response: 2395296
Conc: 18.37 ug/ml

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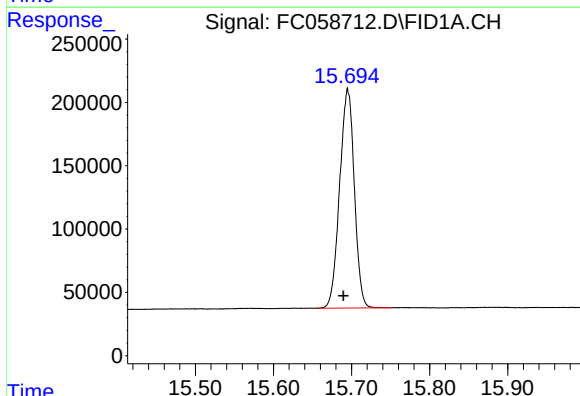
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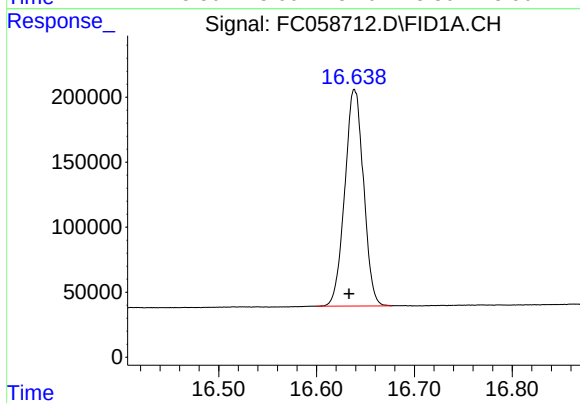
#14 n-Tetracosane (C24)

R.T.: 14.680 min
Delta R.T.: 0.006 min
Response: 2340581
Conc: 18.13 ug/ml



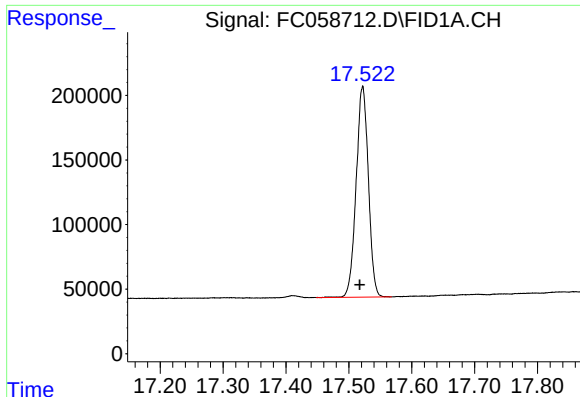
#15 n-Hexacosane (C26)

R.T.: 15.695 min
Delta R.T.: 0.006 min
Response: 2261791
Conc: 18.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.638 min
Delta R.T.: 0.005 min
Response: 2222401
Conc: 18.67 ug/ml m



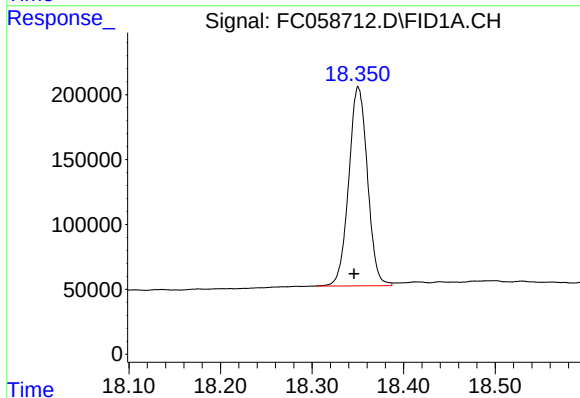
#17 n-Tricontane (C30)

R.T.: 17.522 min
Delta R.T.: 0.005 min
Response: 2203229
Conc: 19.57 ug/ml

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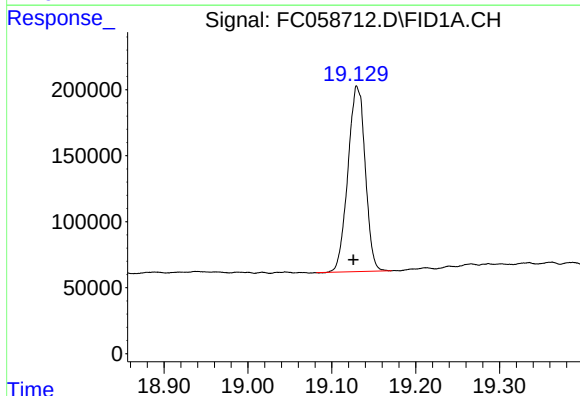
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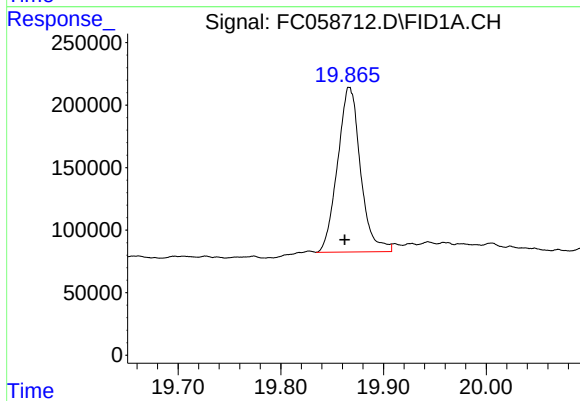
#18 n-Dotriacontane (C32)

R.T.: 18.350 min
Delta R.T.: 0.004 min
Response: 2179089
Conc: 20.26 ug/ml m



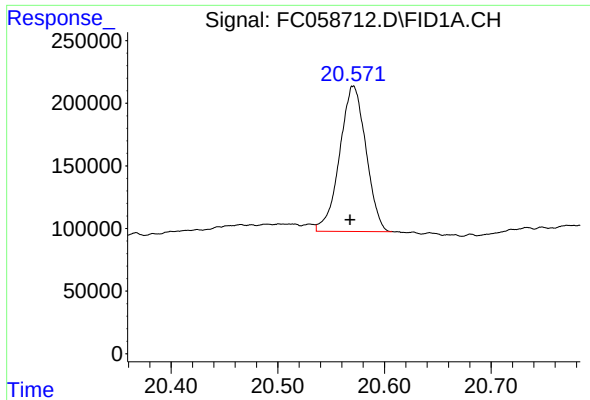
#19 n-Tetratriacontane (C34)

R.T.: 19.131 min
Delta R.T.: 0.005 min
Response: 2012962
Conc: 20.78 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.865 min
Delta R.T.: 0.003 min
Response: 2045005
Conc: 22.67 ug/ml m



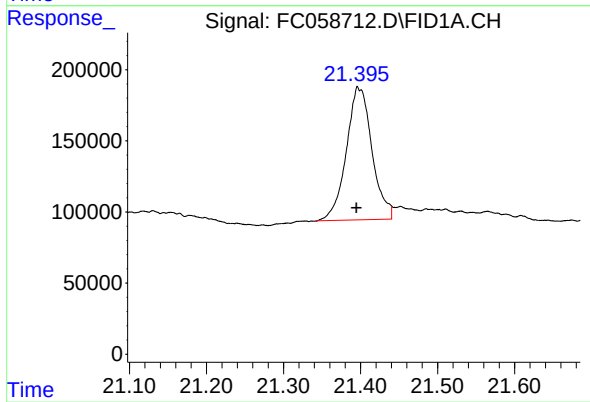
#21 n-Octatriacontane (C38)

R.T.: 20.571 min
Delta R.T.: 0.003 min
Response: 1985984
Conc: 22.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.395 min
Delta R.T.: 0.000 min
Response: 2158818
Conc: 25.73 ug/ml m