

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102921AL\
 Data File : FC056536.D
 Signal(s) : FID1A.CH
 Acq On : 30 Oct 2021 14:28
 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: Nov 01 02:02:44 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)	11.619	2335771	18.864 ug/ml
Spiked Amount 50.000		Recovery =	37.73%
12) S 1-chlorooctadecane (S...	13.051	1793013	18.634 ug/ml
Spiked Amount 50.000		Recovery =	37.27%
Target Compounds			
1) T n-Nonane (C9)	3.377	2315001	21.389 ug/ml
2) T n-Decane (C10)	4.444	2344932	21.769 ug/ml
3) T A~Naphthalene (C11.7)	6.035	2616033	21.457 ug/ml
4) T n-Dodecane (C12)	6.463	2367690	21.478 ug/ml
5) T A~2-methylnaphthalene...	7.092	2605934	21.280 ug/ml
6) T n-Tetradecane (C14)	8.258	2360210	21.023 ug/ml
7) T n-Hexadecane (C16)	9.858	2332680	20.518 ug/ml
8) T n-Octadecane (C18)	11.298	2316197	19.821 ug/ml
10) T n-Eicosane (C20)	12.605	2199654	19.140 ug/ml
11) T n-Heneicosane (C21)	13.216	2158665	18.784 ug/ml
13) T n-Docosane (C22)	13.801	2119511	18.826 ug/ml
14) T n-Tetracosane (C24)	14.902	2052384	18.624 ug/ml
15) T n-Hexacosane (C26)	15.918	1948169	18.458 ug/ml
16) T n-Octacosane (C28)	16.864	1935756	18.662 ug/ml
17) T n-Tricontane (C30)	17.749	1942745	18.751 ug/ml
18) T n-Dotriacontane (C32)	18.577	1936929	20.217 ug/ml
19) T n-Tetratriacontane (C34)	19.358	1923215	21.927 ug/ml
20) T n-Hexatriacontane (C36)	20.094	1904671	23.270 ug/mlm
21) T n-Octatriacontane (C38)	20.828	1842112	23.033 ug/ml
22) T n-Tetracontane (C40)	21.745	1876620	22.777 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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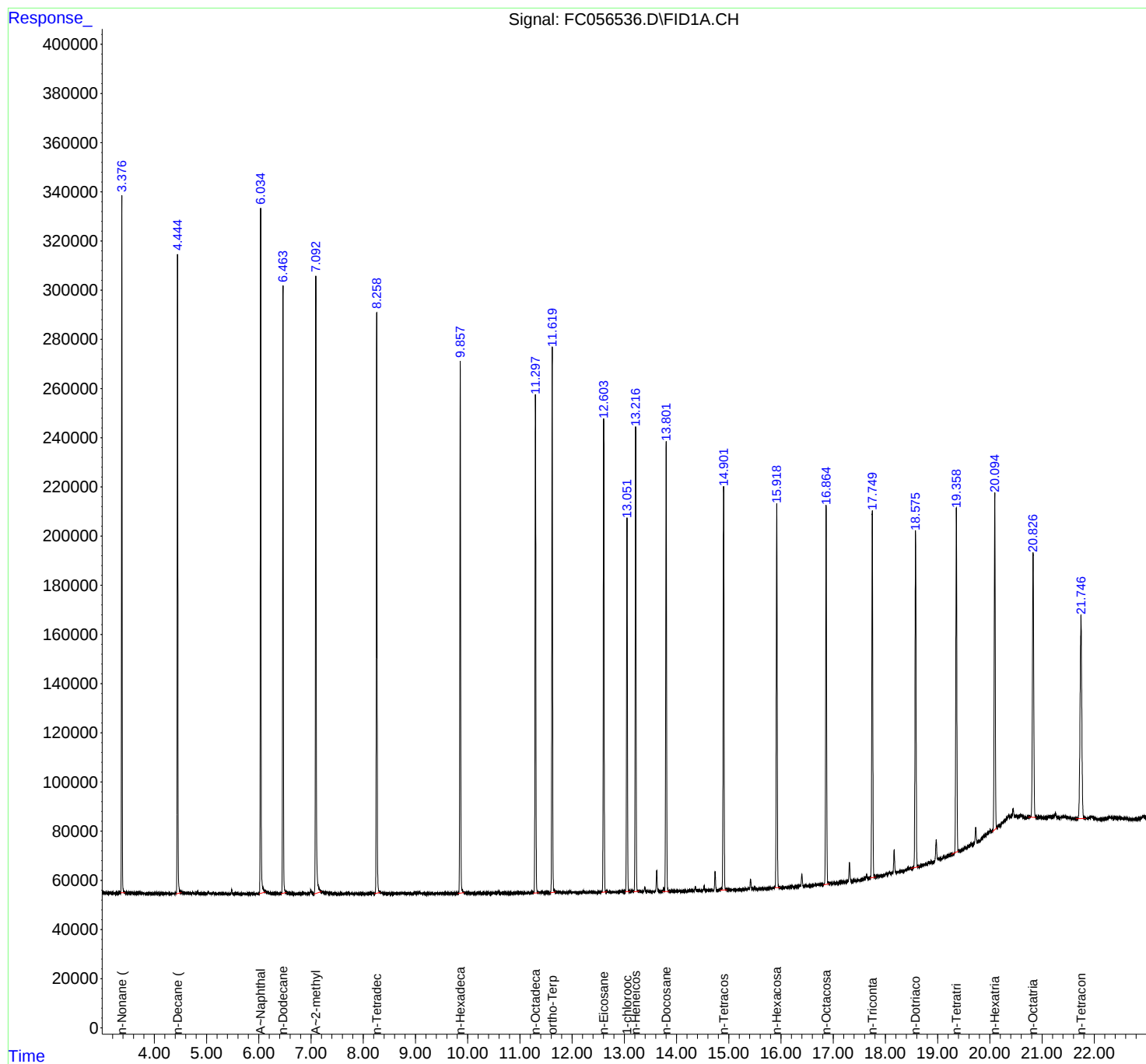
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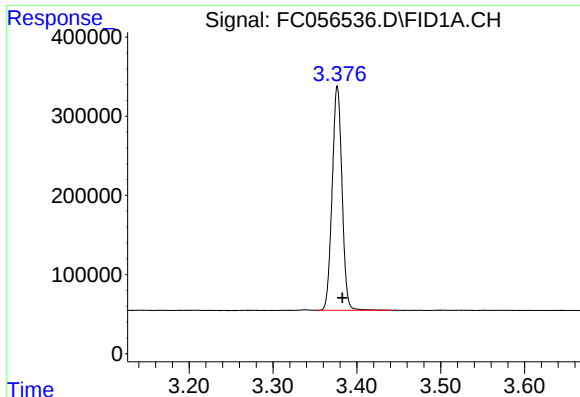
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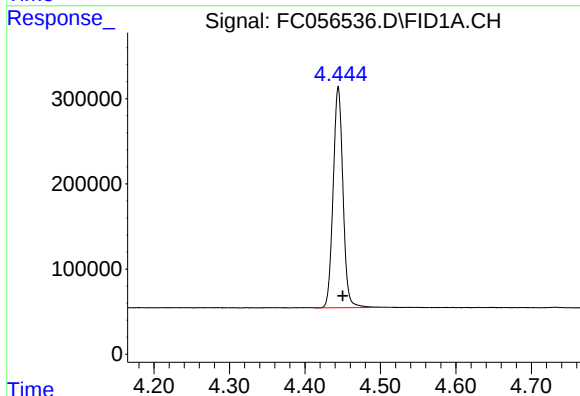
#1 n-Nonane (C9)

R.T.: 3.377 min
Delta R.T.: -0.006 min
Response: 2315001
Conc: 21.39 ug/ml

Instrument :
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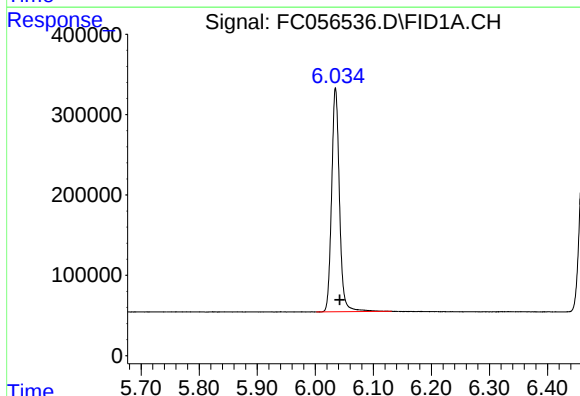
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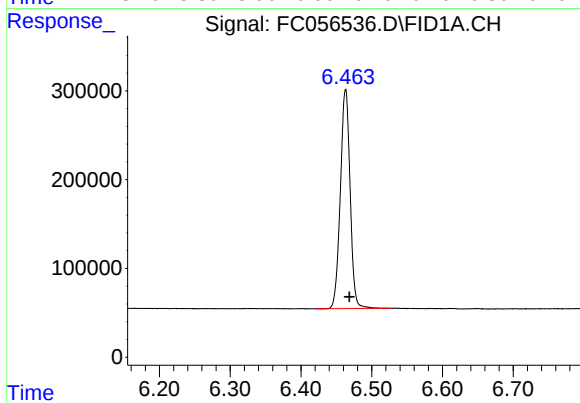
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: -0.006 min
Response: 2344932
Conc: 21.77 ug/ml



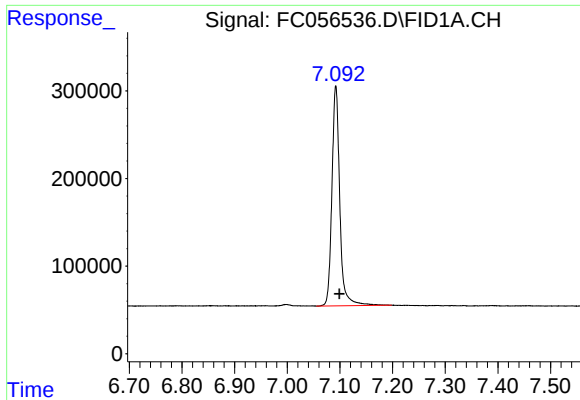
#3 A~Naphthalene (C11.7)

R.T.: 6.035 min
Delta R.T.: -0.007 min
Response: 2616033
Conc: 21.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.463 min
Delta R.T.: -0.006 min
Response: 2367690
Conc: 21.48 ug/ml



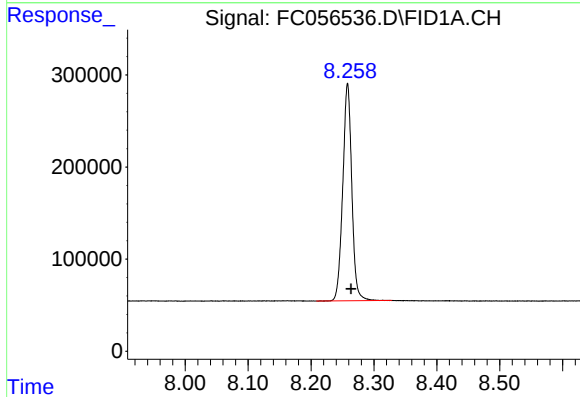
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.092 min
Delta R.T.: -0.006 min
Response: 2605934
Conc: 21.28 ug/ml

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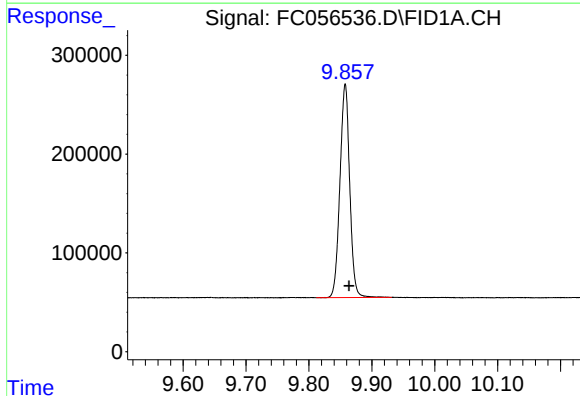
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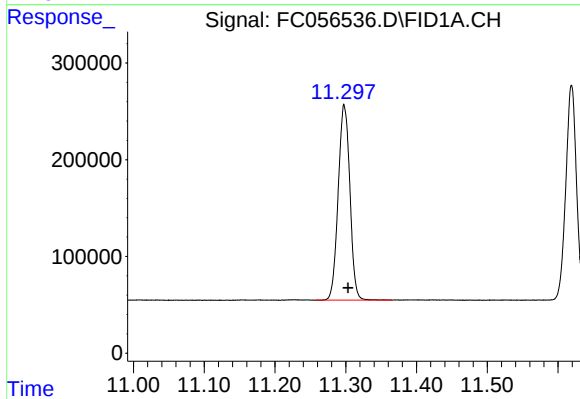
#6 n-Tetradecane (C14)

R.T.: 8.258 min
Delta R.T.: -0.006 min
Response: 2360210
Conc: 21.02 ug/ml



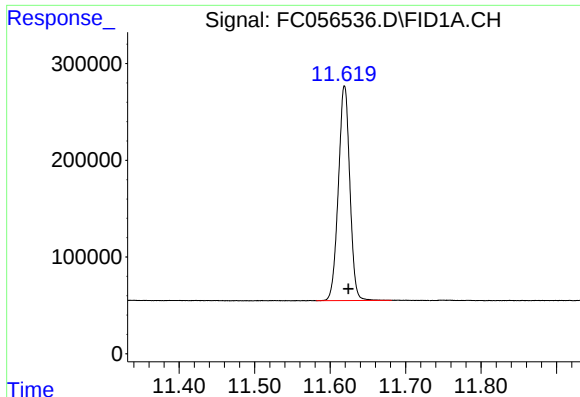
#7 n-Hexadecane (C16)

R.T.: 9.858 min
Delta R.T.: -0.006 min
Response: 2332680
Conc: 20.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.298 min
Delta R.T.: -0.005 min
Response: 2316197
Conc: 19.82 ug/ml



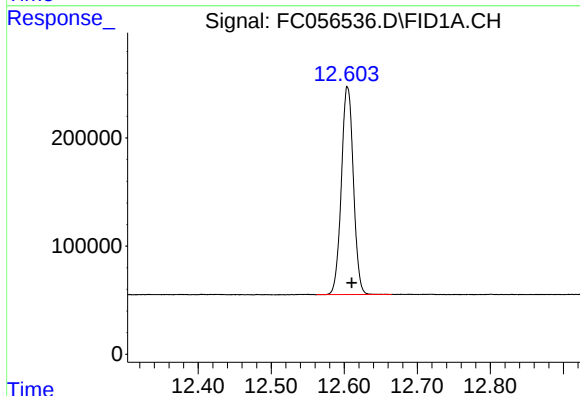
#9 ortho-Terphenyl (SURR)

R.T.: 11.619 min
Delta R.T.: -0.005 min
Response: 2335771
Conc: 18.86 ug/ml

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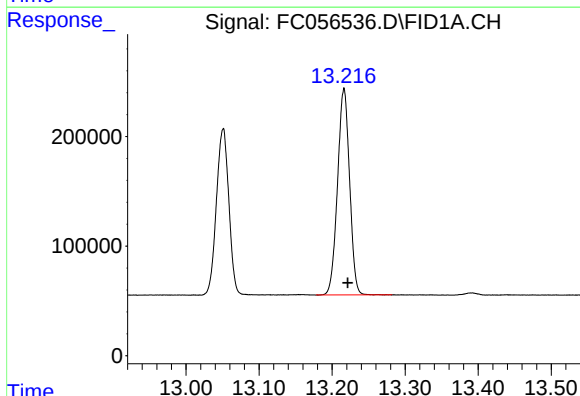
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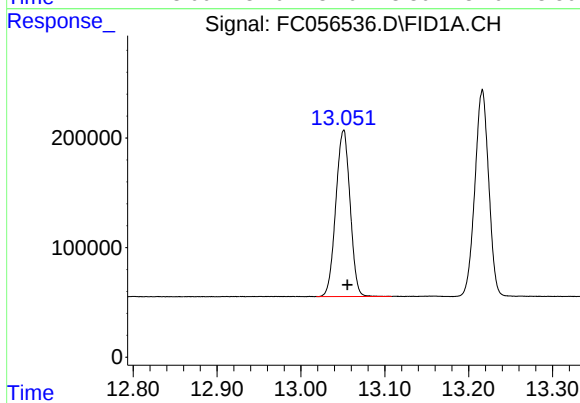
#10 n-Eicosane (C20)

R.T.: 12.605 min
Delta R.T.: -0.006 min
Response: 2199654
Conc: 19.14 ug/ml



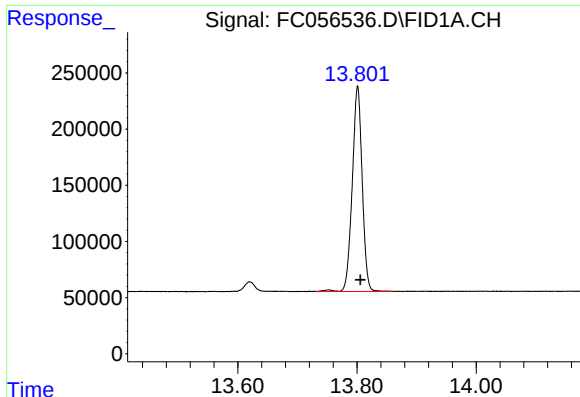
#11 n-Heneicosane (C21)

R.T.: 13.216 min
Delta R.T.: -0.005 min
Response: 2158665
Conc: 18.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.051 min
Delta R.T.: -0.005 min
Response: 1793013
Conc: 18.63 ug/ml



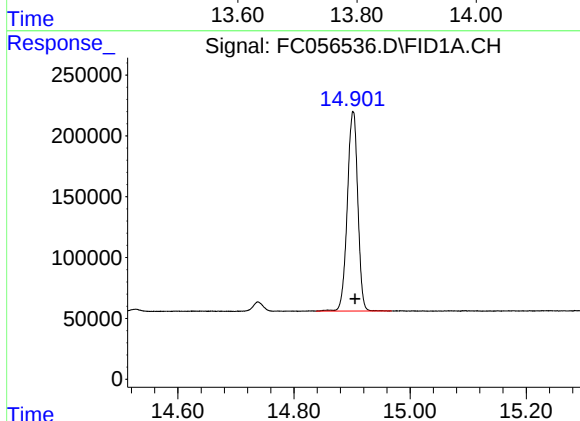
#13 n-Docosane (C22)

R.T.: 13.801 min
Delta R.T.: -0.005 min
Response: 2119511
Conc: 18.83 ug/ml

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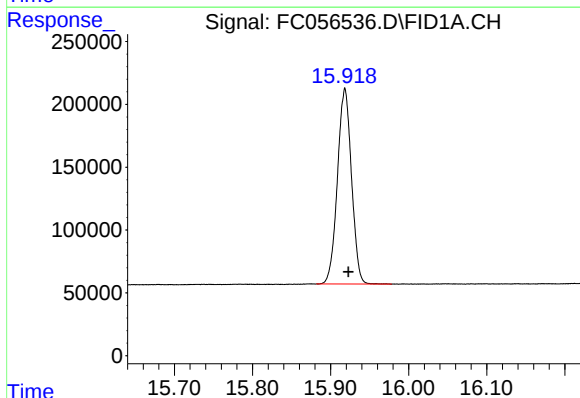
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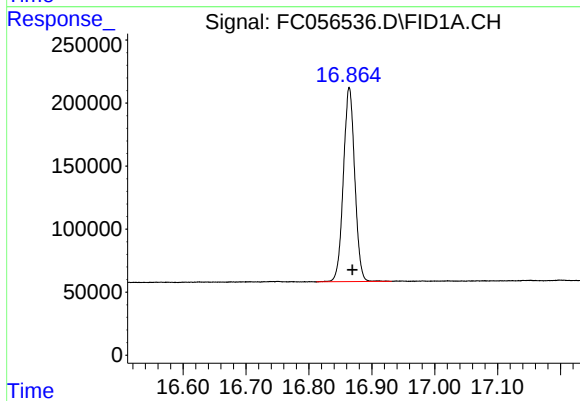
#14 n-Tetracosane (C24)

R.T.: 14.902 min
Delta R.T.: -0.003 min
Response: 2052384
Conc: 18.62 ug/ml



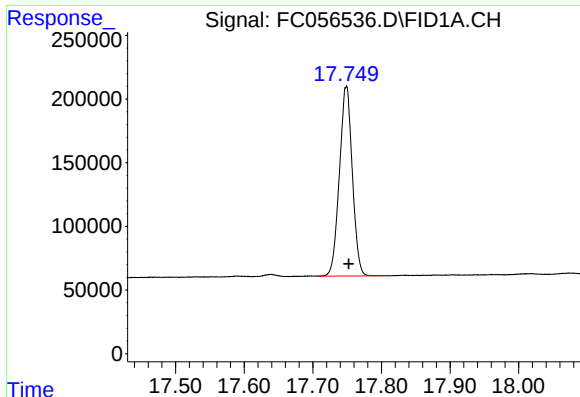
#15 n-Hexacosane (C26)

R.T.: 15.918 min
Delta R.T.: -0.005 min
Response: 1948169
Conc: 18.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.864 min
Delta R.T.: -0.005 min
Response: 1935756
Conc: 18.66 ug/ml



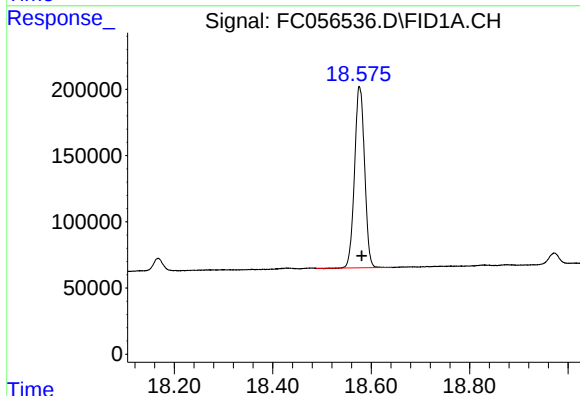
#17 n-Tricontane (C30)

R.T.: 17.749 min
Delta R.T.: -0.003 min
Response: 1942745
Conc: 18.75 ug/ml

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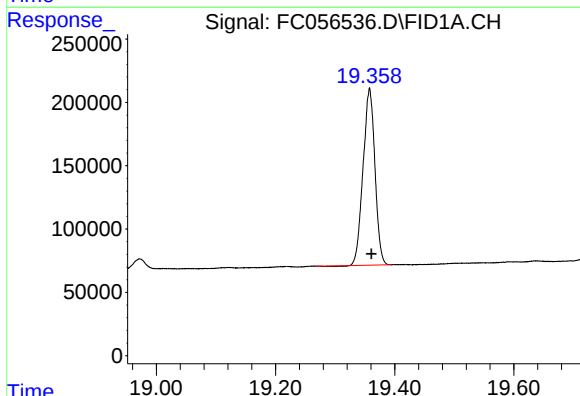
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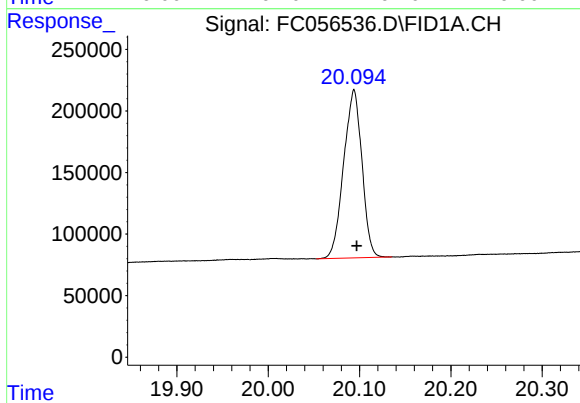
#18 n-Dotriacontane (C32)

R.T.: 18.577 min
Delta R.T.: -0.004 min
Response: 1936929
Conc: 20.22 ug/ml



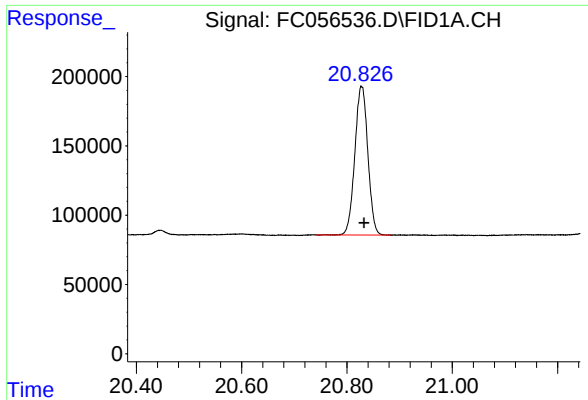
#19 n-Tetratriacontane (C34)

R.T.: 19.358 min
Delta R.T.: -0.003 min
Response: 1923215
Conc: 21.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.094 min
Delta R.T.: -0.003 min
Response: 1904671
Conc: 23.27 ug/ml m



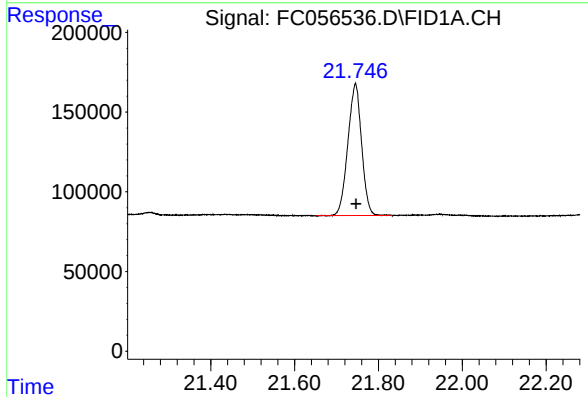
#21 n-Octatriacontane (C38)

R.T.: 20.828 min
Delta R.T.: -0.004 min
Response: 1842112
Conc: 23.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.745 min
Delta R.T.: -0.002 min
Response: 1876620
Conc: 22.78 ug/ml