

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050922AL\
 Data File : FC059649.D
 Signal(s) : FID1A.CH
 Acq On : 10 May 2022 3:28
 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 05/10/2022
 Supervised By :mohammad ahmed 05/10/2022

Integration File: sample.E
 Quant Time: May 10 04:02:13 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050522.M
 Quant Title : GC Extractables
 QLast Update : Mon May 09 11:12:42 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)	10.673	3188949	21.716 ug/ml
Spiked Amount 50.000		Recovery =	43.43%
12) S 1-chlorooctadecane (S...	12.041	2507411	21.788 ug/ml
Spiked Amount 50.000		Recovery =	43.58%
Target Compounds			
1) T n-Nonane (C9)	2.644	2773414	21.718 ug/ml
2) T n-Decane (C10)	3.645	2817777	22.249 ug/ml
3) T A~Naphthalene (C11.7)	5.185	3249531	22.069 ug/ml
4) T n-Dodecane (C12)	5.600	2908563	22.117 ug/ml
5) T A~2-methylnaphthalene...	6.209	3304089	21.981 ug/ml
6) T n-Tetradecane (C14)	7.353	2972546	22.091 ug/ml
7) T n-Hexadecane (C16)	8.916	3023695	22.036 ug/ml
8) T n-Octadecane (C18)	10.325	3028305	21.975 ug/ml
10) T n-Eicosane (C20)	11.605	2946790	21.910 ug/ml
11) T n-Heneicosane (C21)	12.204	2894971	21.701 ug/ml
13) T n-Docosane (C22)	12.776	2858289	21.779 ug/ml
14) T n-Tetracosane (C24)	13.854	2733920	21.729 ug/ml
15) T n-Hexacosane (C26)	14.851	2596413	21.740 ug/ml
16) T n-Octacosane (C28)	15.780	2557749	22.467 ug/ml
17) T n-Tricontane (C30)	16.646	2461653	22.394 ug/ml
18) T n-Dotriacontane (C32)	17.460	2333570	22.572 ug/ml
19) T n-Tetratriacontane (C34)	18.226	2188582	22.417 ug/mlm
20) T n-Hexatriacontane (C36)	18.946	2088261	22.495 ug/mlm
21) T n-Octatriacontane (C38)	19.631	2032619	21.352 ug/mlm
22) T n-Tetracontane (C40)	20.279	2058225	21.742 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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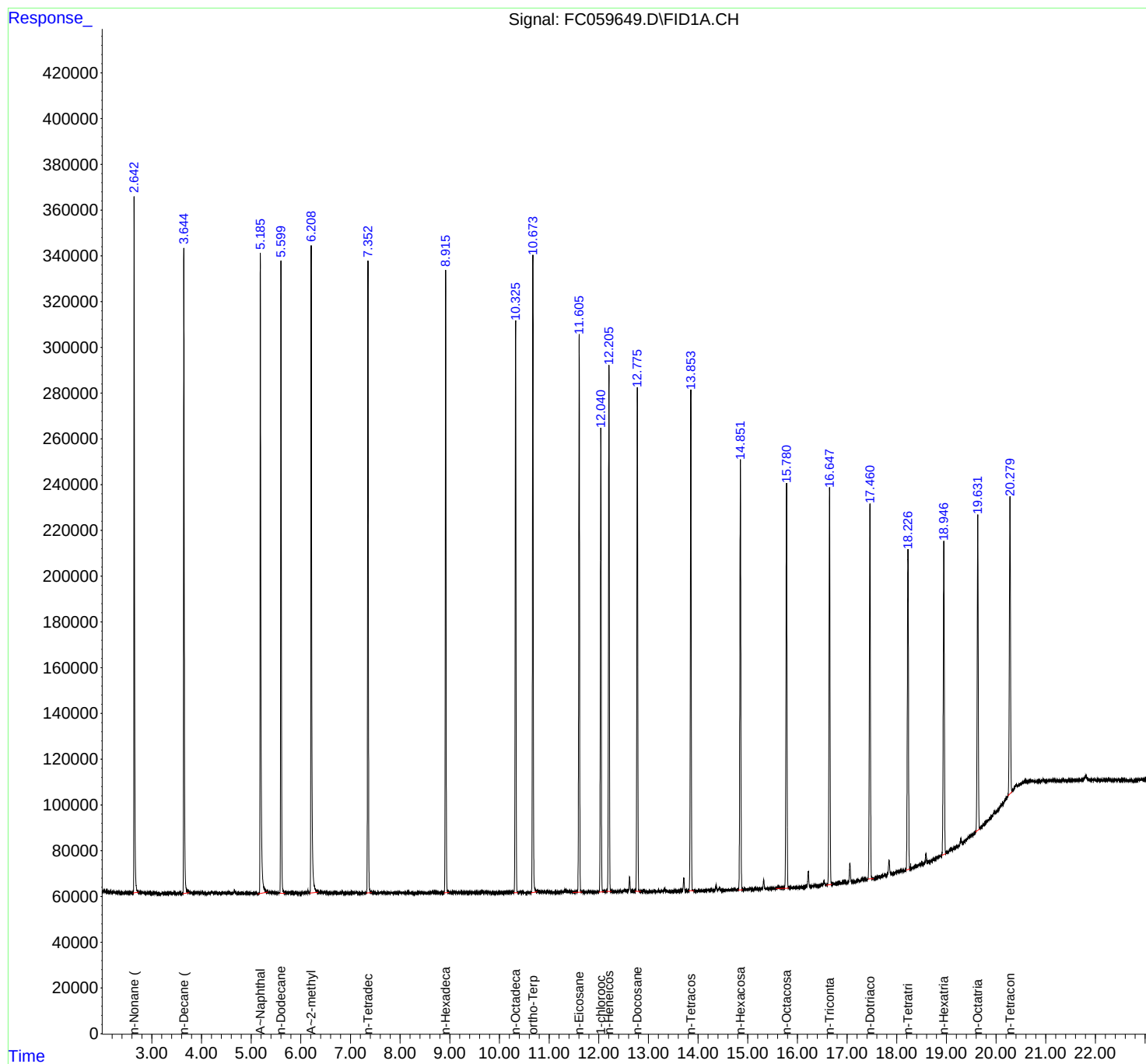
Instrument :
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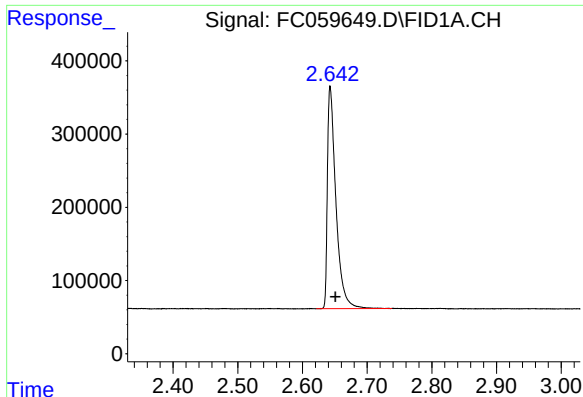
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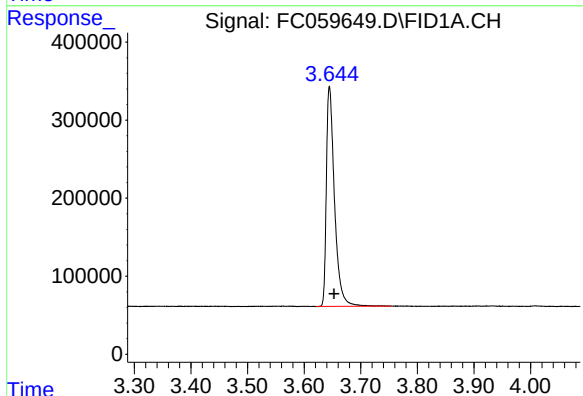
#1 n-Nonane (C9)

R.T.: 2.644 min
Delta R.T.: -0.007 min
Response: 2773414
Conc: 21.72 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

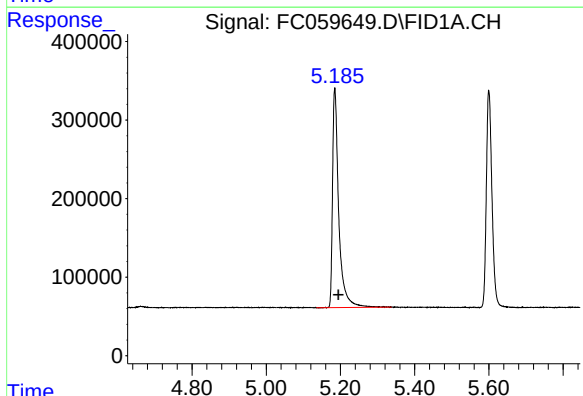
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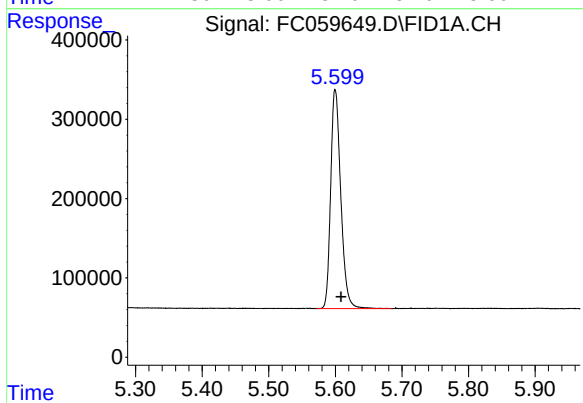
#2 n-Decane (C10)

R.T.: 3.645 min
Delta R.T.: -0.007 min
Response: 2817777
Conc: 22.25 ug/ml



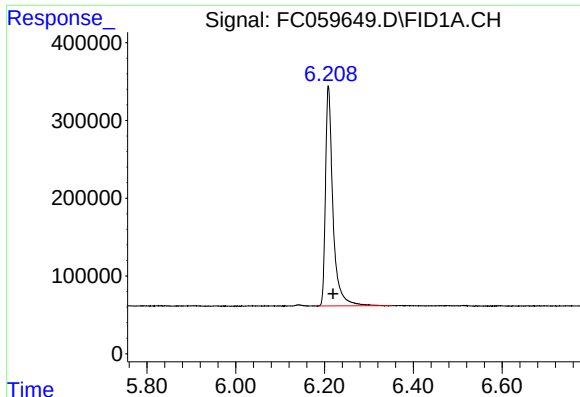
#3 A~Naphthalene (C11.7)

R.T.: 5.185 min
Delta R.T.: -0.009 min
Response: 3249531
Conc: 22.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.600 min
Delta R.T.: -0.008 min
Response: 2908563
Conc: 22.12 ug/ml



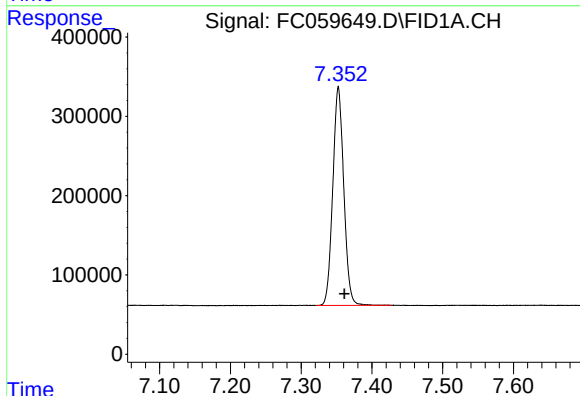
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.209 min
Delta R.T.: -0.010 min
Response: 3304089
Conc: 21.98 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

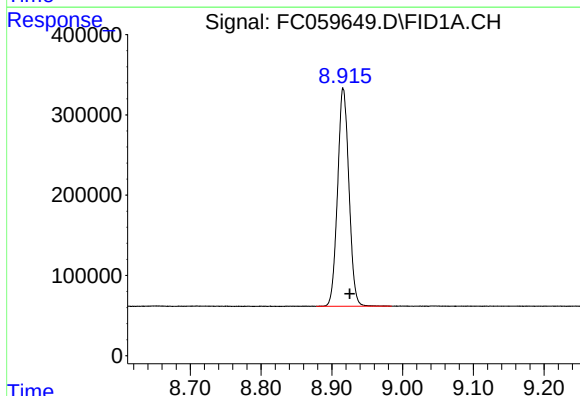
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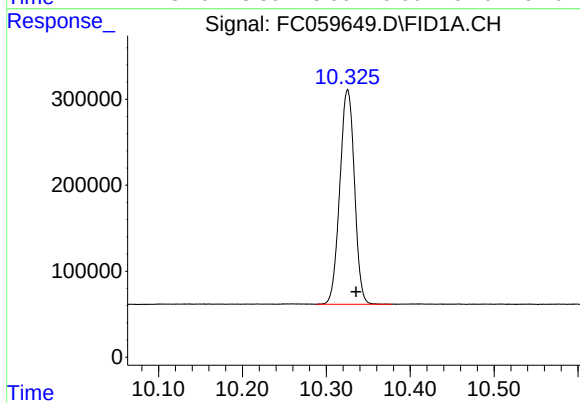
#6 n-Tetradecane (C14)

R.T.: 7.353 min
Delta R.T.: -0.008 min
Response: 2972546
Conc: 22.09 ug/ml



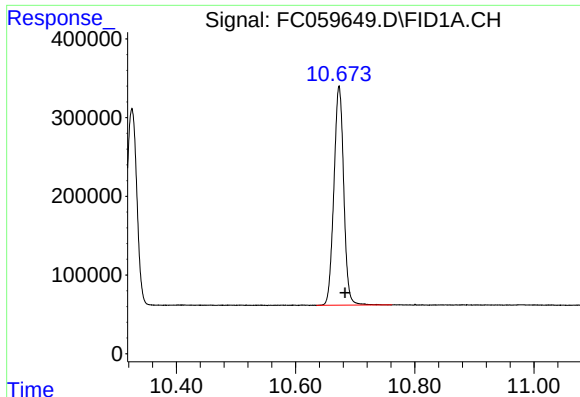
#7 n-Hexadecane (C16)

R.T.: 8.916 min
Delta R.T.: -0.009 min
Response: 3023695
Conc: 22.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.325 min
Delta R.T.: -0.010 min
Response: 3028305
Conc: 21.97 ug/ml



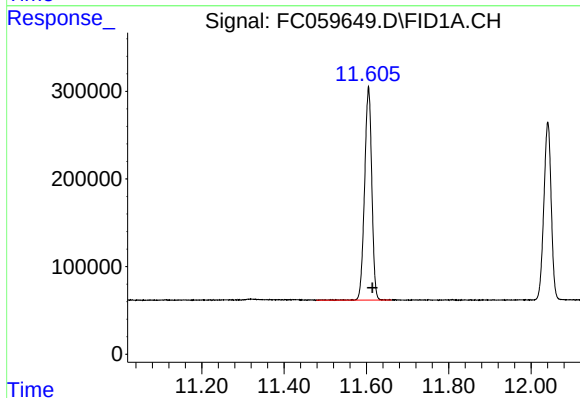
#9 ortho-Terphenyl (SURR)

R.T.: 10.673 min
Delta R.T.: -0.010 min
Response: 3188949
Conc: 21.72 ug/ml

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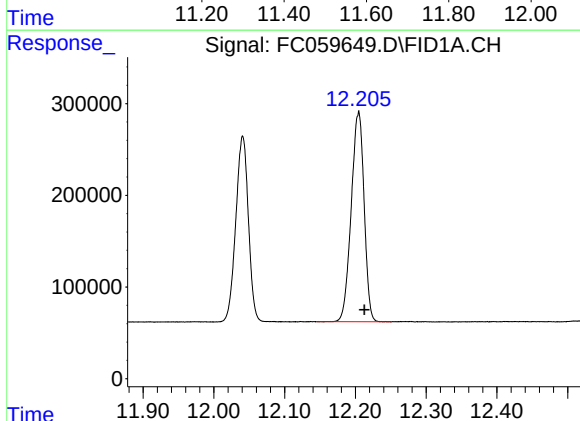
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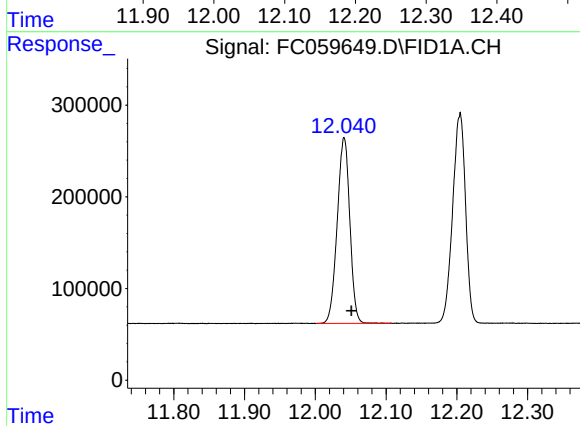
#10 n-Eicosane (C20)

R.T.: 11.605 min
Delta R.T.: -0.009 min
Response: 2946790
Conc: 21.91 ug/ml



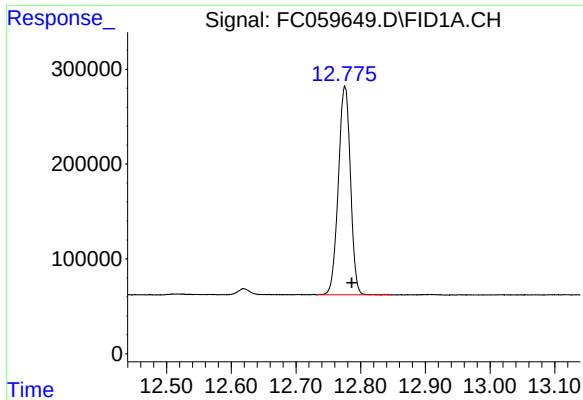
#11 n-Heneicosane (C21)

R.T.: 12.204 min
Delta R.T.: -0.009 min
Response: 2894971
Conc: 21.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.041 min
Delta R.T.: -0.010 min
Response: 2507411
Conc: 21.79 ug/ml



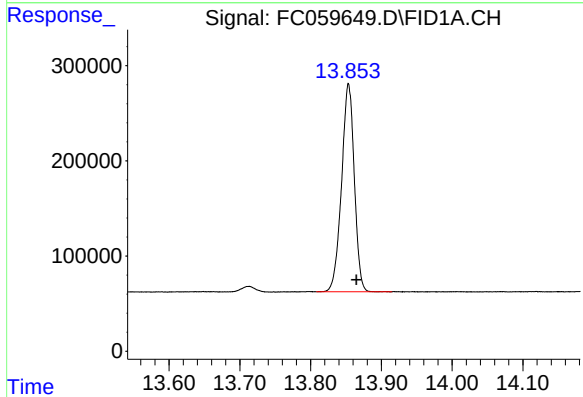
#13 n-Docosane (C22)

R.T.: 12.776 min
Delta R.T.: -0.011 min
Response: 2858289
Conc: 21.78 ug/ml

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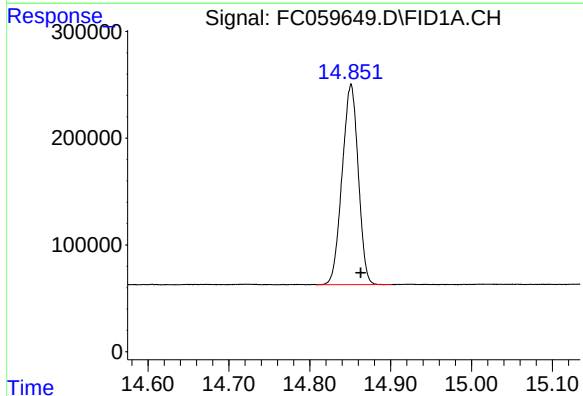
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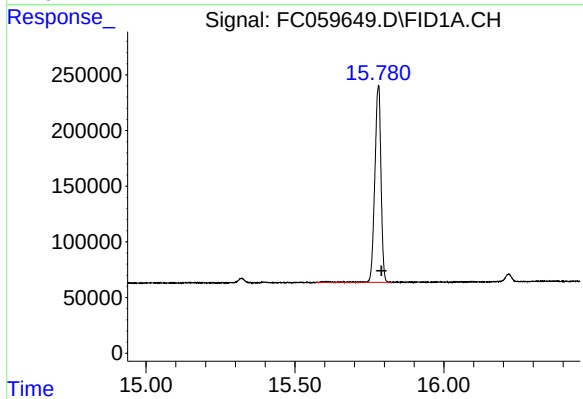
#14 n-Tetracosane (C24)

R.T.: 13.854 min
Delta R.T.: -0.011 min
Response: 2733920
Conc: 21.73 ug/ml



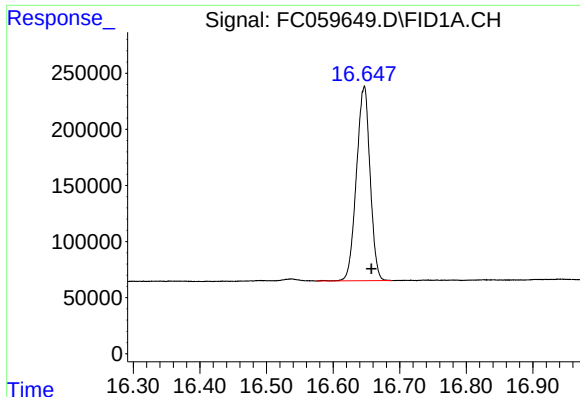
#15 n-Hexacosane (C26)

R.T.: 14.851 min
Delta R.T.: -0.012 min
Response: 2596413
Conc: 21.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.780 min
Delta R.T.: -0.010 min
Response: 2557749
Conc: 22.47 ug/ml



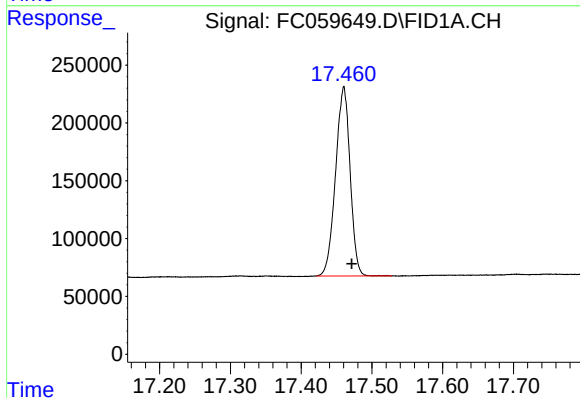
#17 n-Tricontane (C30)

R.T.: 16.646 min
Delta R.T.: -0.011 min
Response: 2461653
Conc: 22.39 ug/ml

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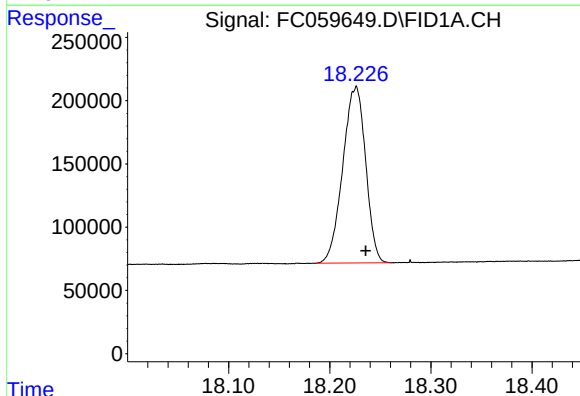
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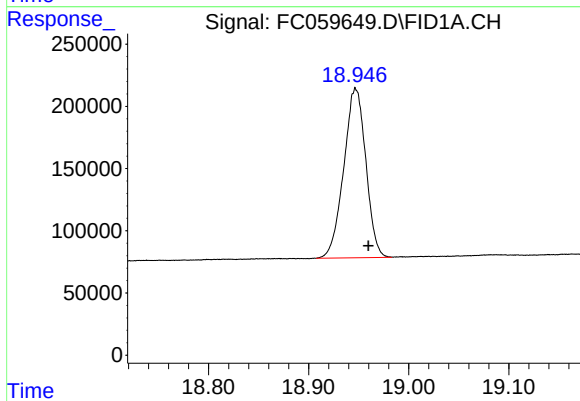
#18 n-Dotriacontane (C32)

R.T.: 17.460 min
Delta R.T.: -0.012 min
Response: 2333570
Conc: 22.57 ug/ml



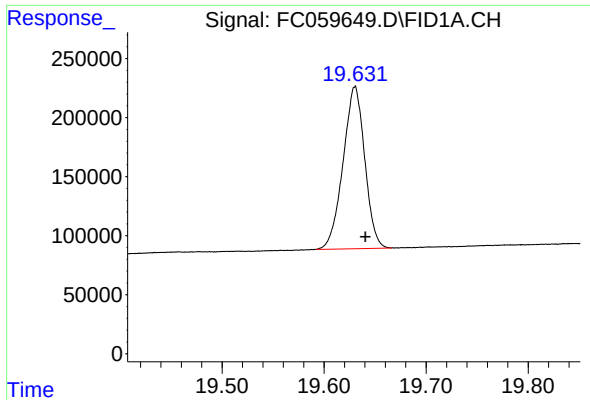
#19 n-Tetratriacontane (C34)

R.T.: 18.226 min
Delta R.T.: -0.010 min
Response: 2188582
Conc: 22.42 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.946 min
Delta R.T.: -0.014 min
Response: 2088261
Conc: 22.49 ug/ml m



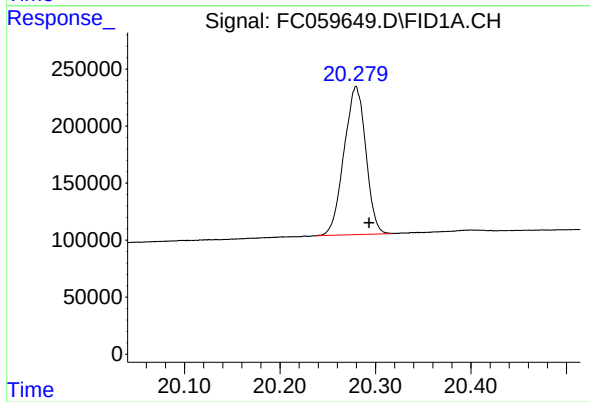
#21 n-Octatriacontane (C38)

R.T.: 19.631 min
Delta R.T.: -0.010 min
Response: 2032619
Conc: 21.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.279 min
Delta R.T.: -0.014 min
Response: 2058225
Conc: 21.74 ug/ml m