

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042822AL\
 Data File : FC059504.D
 Signal(s) : FID1A.CH
 Acq On : 28 Apr 2022 11:11
 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 04/29/2022
 Supervised By :mohammad ahmed 04/29/2022

Integration File: sample.E
 Quant Time: Apr 28 15:15:43 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Thu Apr 21 17:30:29 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)	11.095	3358328	20.899 ug/ml
Spiked Amount 50.000		Recovery =	41.80%
12) S 1-chlorooctadecane (S...	12.542	2630756	20.146 ug/ml
Spiked Amount 50.000		Recovery =	40.29%
Target Compounds			
1) T n-Nonane (C9)	2.961	2877529	22.960 ug/ml
2) T n-Decane (C10)	4.000	2990469	23.936 ug/ml
3) T A~Naphthalene (C11.7)	5.549	3253548	26.523 ug/ml
4) T n-Dodecane (C12)	5.997	3145622	23.854 ug/ml
5) T A~2-methylnaphthalene...	6.596	3112406	24.661 ug/mlm
6) T n-Tetradecane (C14)	7.779	3166306	23.408 ug/ml
7) T n-Hexadecane (C16)	9.370	3193806	22.741 ug/ml
8) T n-Octadecane (C18)	10.802	3174946	21.735 ug/ml
10) T n-Eicosane (C20)	12.104	3085180	20.572 ug/ml
11) T n-Heneicosane (C21)	12.713	3059345	20.113 ug/ml
13) T n-Docosane (C22)	13.295	3030622	19.779 ug/ml
14) T n-Tetracosane (C24)	14.392	2892536	18.681 ug/ml
15) T n-Hexacosane (C26)	15.409	2765199	17.942 ug/ml
16) T n-Octacosane (C28)	16.355	2677098	17.294 ug/ml
17) T n-Tricontane (C30)	17.239	2666468	17.555 ug/ml
18) T n-Dotriacontane (C32)	18.069	2427017	17.225 ug/mlm
19) T n-Tetratriacontane (C34)	18.848	2243929	17.754 ug/mlm
20) T n-Hexatriacontane (C36)	19.583	2057299	18.809 ug/mlm
21) T n-Octatriacontane (C38)	20.285	1902094	20.424 ug/mlm
22) T n-Tetracontane (C40)	21.024	1798922	21.537 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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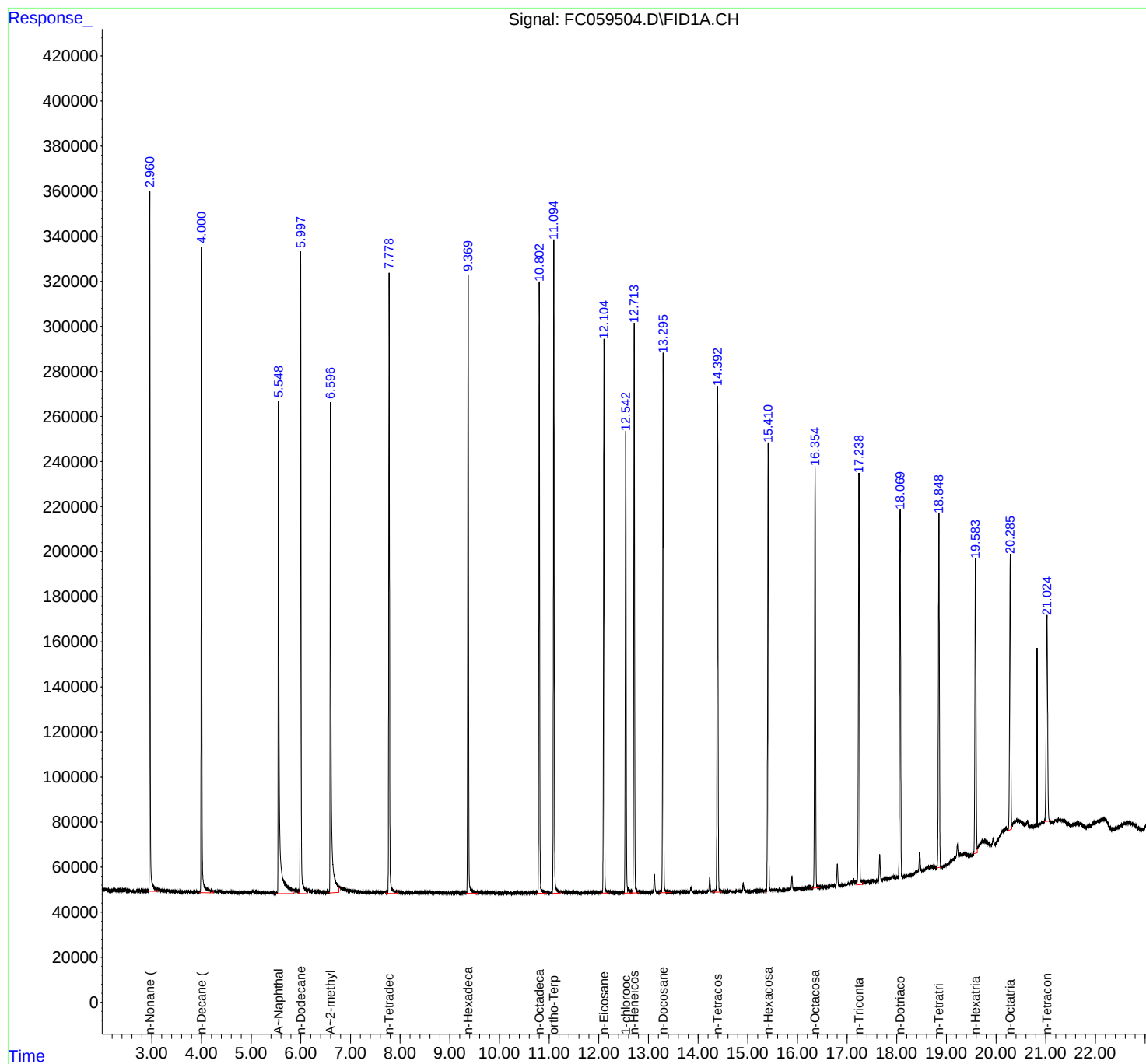
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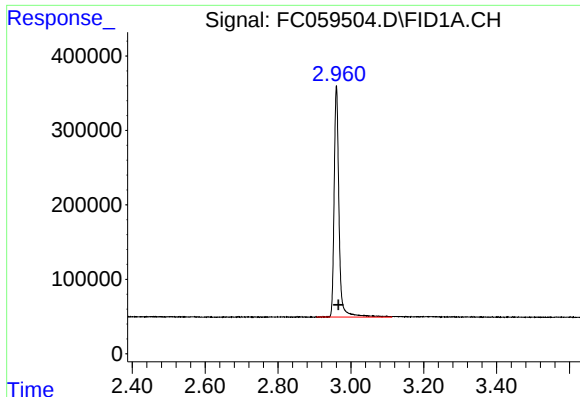
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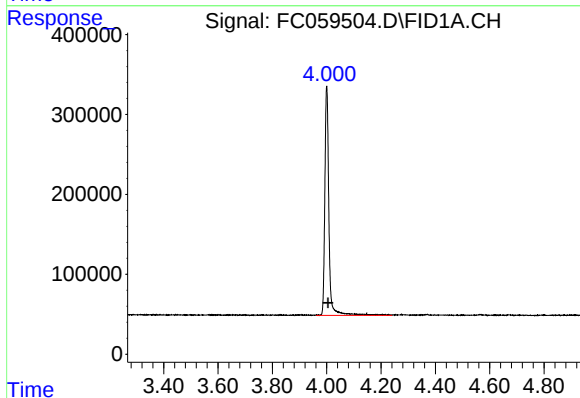
#1 n-Nonane (C9)

R.T.: 2.961 min
Delta R.T.: -0.005 min
Response: 2877529
Conc: 22.96 ug/ml

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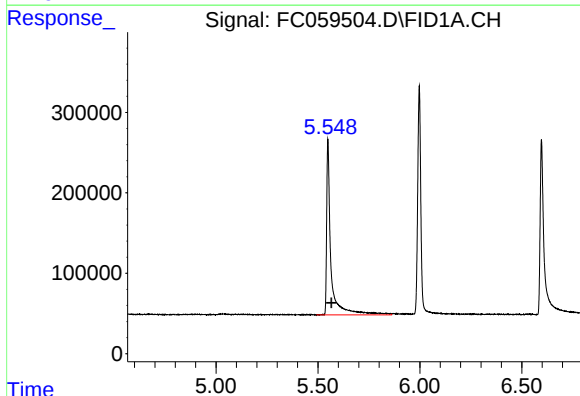
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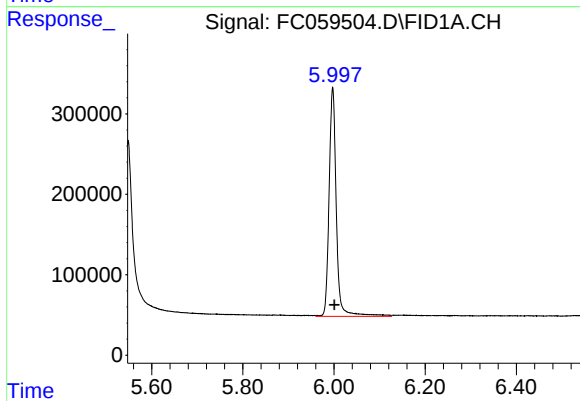
#2 n-Decane (C10)

R.T.: 4.000 min
Delta R.T.: -0.005 min
Response: 2990469
Conc: 23.94 ug/ml



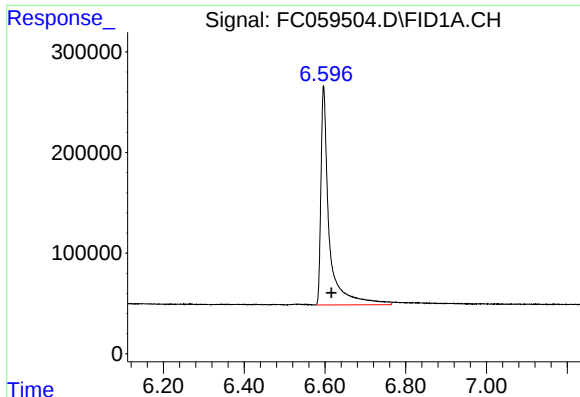
#3 A~Naphthalene (C11.7)

R.T.: 5.549 min
Delta R.T.: -0.018 min
Response: 3253548
Conc: 26.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 3145622
Conc: 23.85 ug/ml



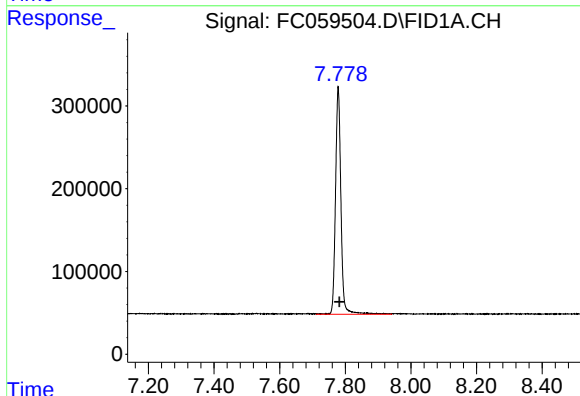
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.596 min
Delta R.T.: -0.020 min
Response: 3112406
Conc: 24.66 ug/ml

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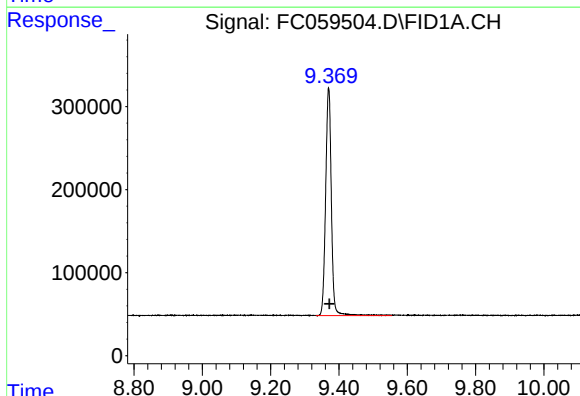
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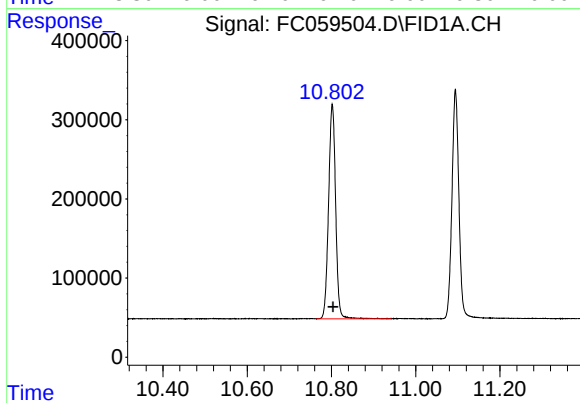
#6 n-Tetradecane (C14)

R.T.: 7.779 min
Delta R.T.: -0.003 min
Response: 3166306
Conc: 23.41 ug/ml



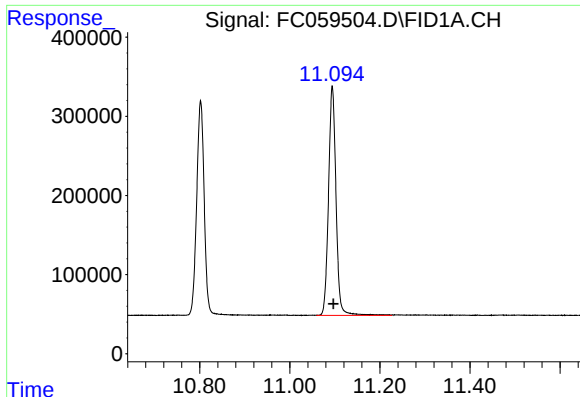
#7 n-Hexadecane (C16)

R.T.: 9.370 min
Delta R.T.: -0.002 min
Response: 3193806
Conc: 22.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.802 min
Delta R.T.: -0.002 min
Response: 3174946
Conc: 21.73 ug/ml



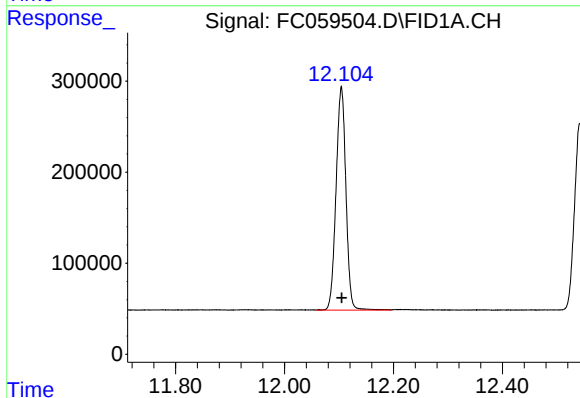
#9 ortho-Terphenyl (SURR)

R.T.: 11.095 min
Delta R.T.: -0.003 min
Response: 3358328
Conc: 20.90 ug/ml

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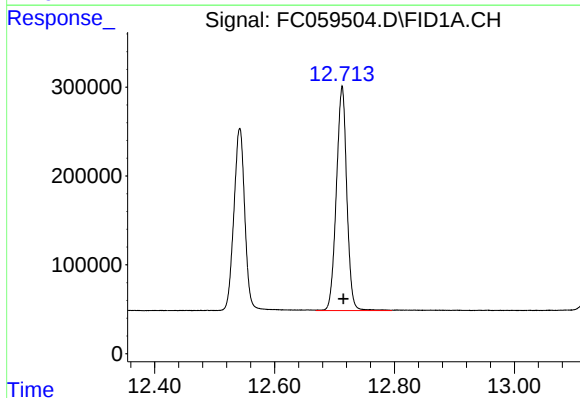
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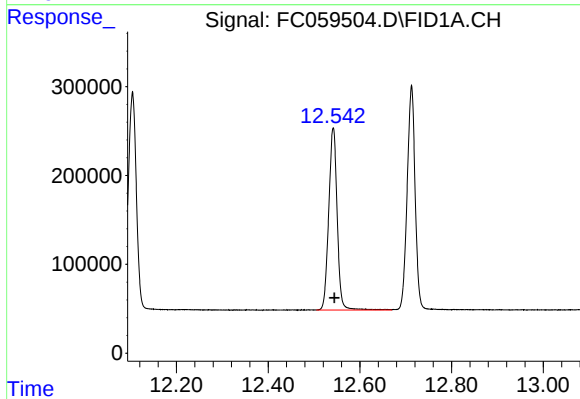
#10 n-Eicosane (C20)

R.T.: 12.104 min
Delta R.T.: -0.001 min
Response: 3085180
Conc: 20.57 ug/ml



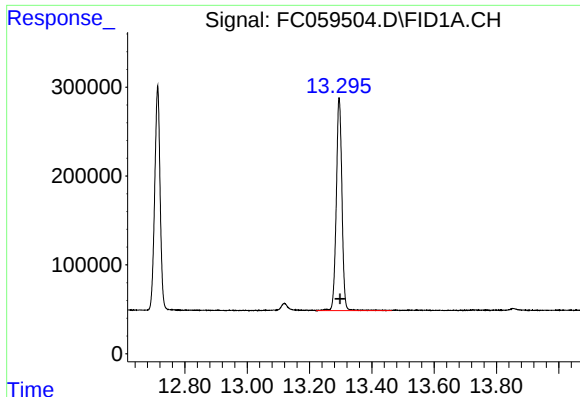
#11 n-Heneicosane (C21)

R.T.: 12.713 min
Delta R.T.: -0.002 min
Response: 3059345
Conc: 20.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.542 min
Delta R.T.: -0.003 min
Response: 2630756
Conc: 20.15 ug/ml



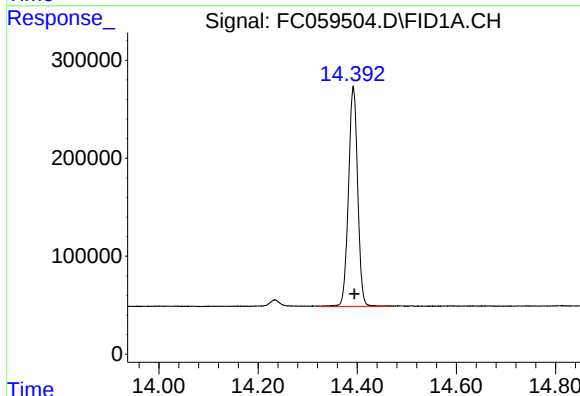
#13 n-Docosane (C22)

R.T.: 13.295 min
Delta R.T.: -0.003 min
Response: 3030622
Conc: 19.78 ug/ml

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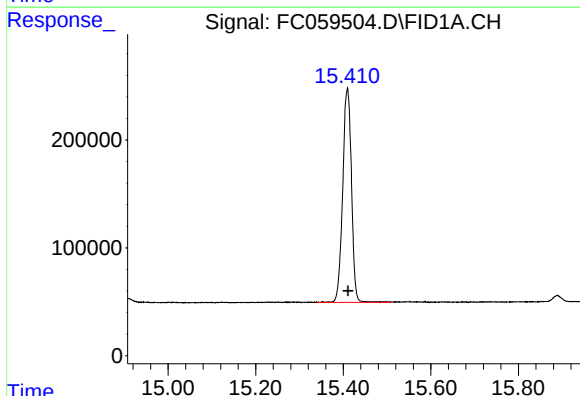
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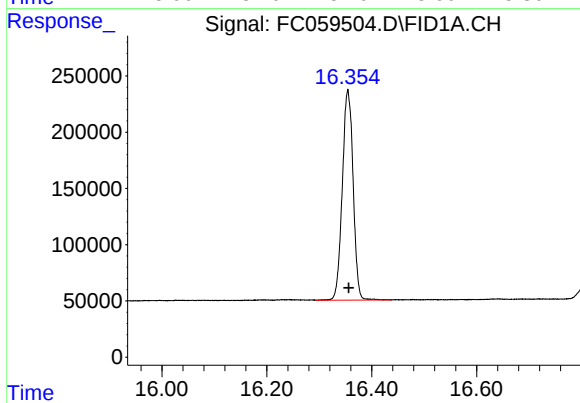
#14 n-Tetracosane (C24)

R.T.: 14.392 min
Delta R.T.: -0.002 min
Response: 2892536
Conc: 18.68 ug/ml



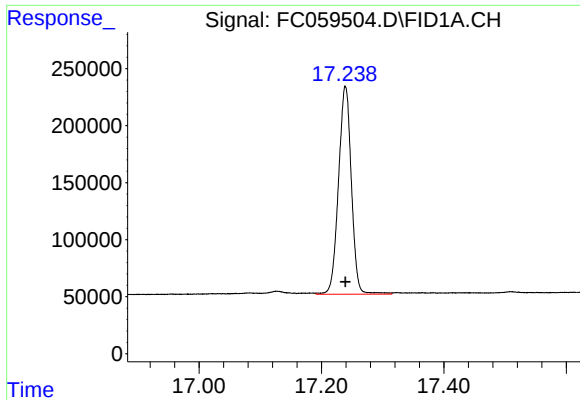
#15 n-Hexacosane (C26)

R.T.: 15.409 min
Delta R.T.: -0.002 min
Response: 2765199
Conc: 17.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.355 min
Delta R.T.: -0.001 min
Response: 2677098
Conc: 17.29 ug/ml



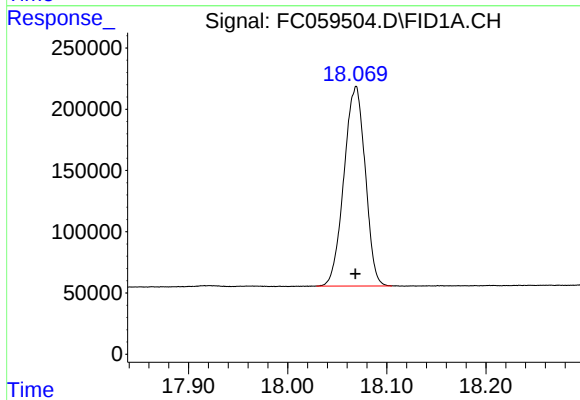
#17 n-Tricontane (C30)

R.T.: 17.239 min
Delta R.T.: 0.000 min
Response: 2666468
Conc: 17.56 ug/ml

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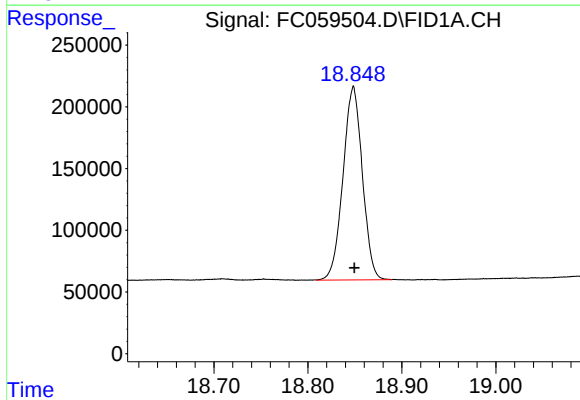
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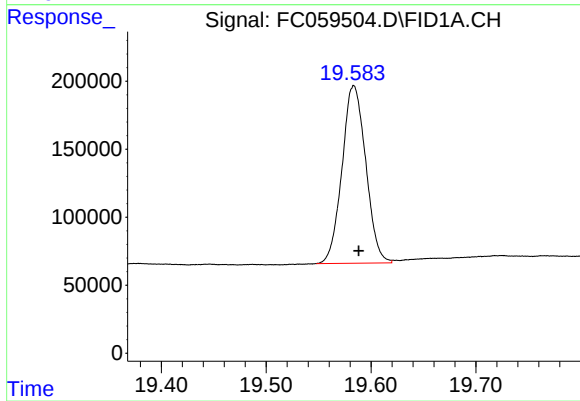
#18 n-Dotriacontane (C32)

R.T.: 18.069 min
Delta R.T.: 0.000 min
Response: 2427017
Conc: 17.23 ug/ml m



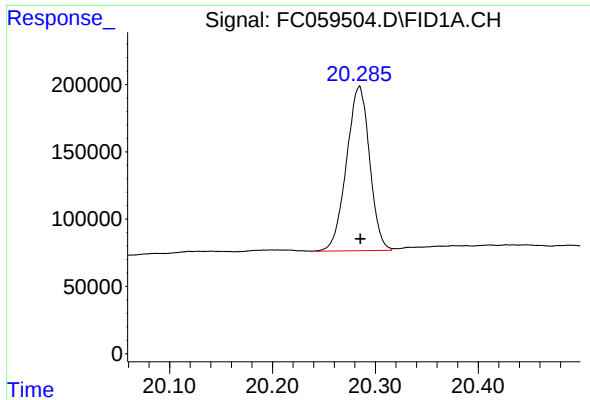
#19 n-Tetratriacontane (C34)

R.T.: 18.848 min
Delta R.T.: -0.001 min
Response: 2243929
Conc: 17.75 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.583 min
Delta R.T.: -0.006 min
Response: 2057299
Conc: 18.81 ug/ml m



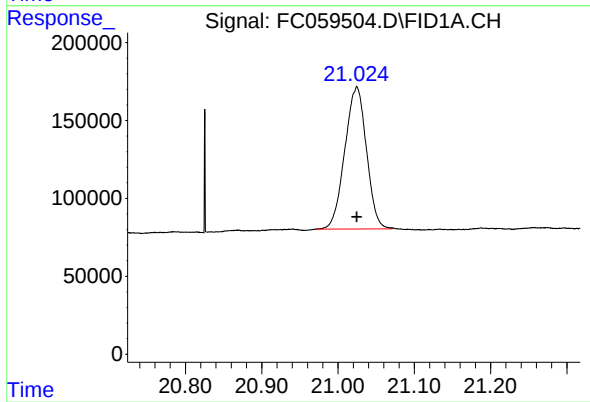
#21 n-Octatriacontane (C38)

R.T.: 20.285 min
Delta R.T.: 0.000 min
Response: 1902094
Conc: 20.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.024 min
Delta R.T.: 0.000 min
Response: 1798922
Conc: 21.54 ug/ml m