

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC041922AL\  
 Data File : FC059313.D  
 Signal(s) : FID1A.CH  
 Acq On : 19 Apr 2022 23:40  
 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 04/20/2022  
 Supervised By :mohammad ahmed 04/20/2022

Integration File: autoint1.e  
 Quant Time: Apr 20 01:09:58 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 032522.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 25 23:18:46 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)    | 11.102 | 2767632    | 19.209 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.42%        |
| 12) S 1-chlorooctadecane (S... | 12.551 | 2166120    | 19.324 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.65%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.960  | 2496983    | 20.376 ug/ml  |
| 2) T n-Decane (C10)            | 4.003  | 2535057    | 20.687 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.554  | 2605598    | 20.753 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.002  | 2619889    | 20.512 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.602  | 2568122    | 20.032 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.785  | 2614024    | 20.105 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.376  | 2624484    | 19.764 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.810 | 2596566    | 19.530 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.113 | 2528943    | 19.301 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.722 | 2511531    | 19.249 ug/ml  |
| 13) T n-Docosane (C22)         | 13.305 | 2509047    | 19.368 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.403 | 2465646    | 19.518 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.419 | 2410585    | 19.956 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.366 | 2446001    | 20.657 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.250 | 2514359    | 22.041 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.080 | 2469538    | 23.052 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.861 | 2283958    | 22.605 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.599 | 2094953    | 21.926 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.296 | 2197801    | 23.884 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.042 | 1930780    | 20.775 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : UA/NP  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

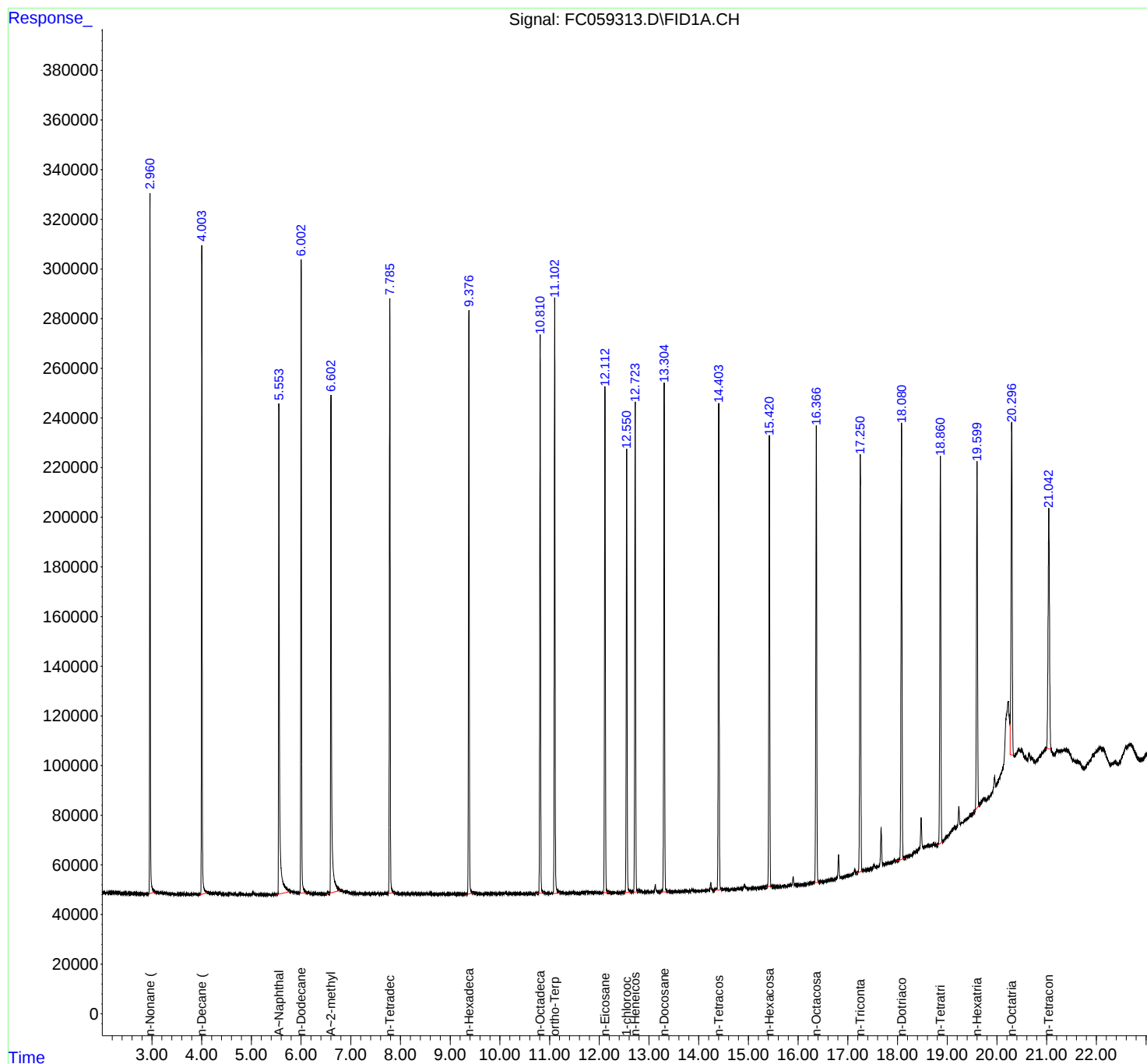
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

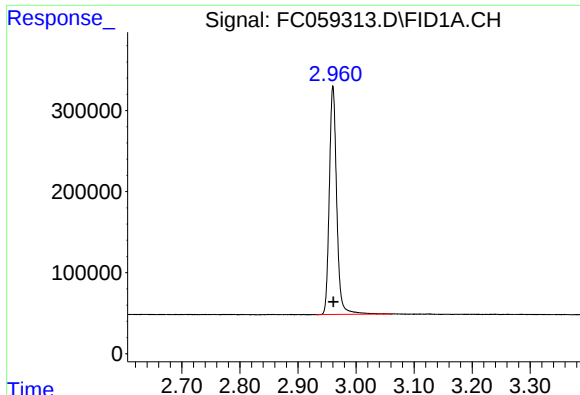
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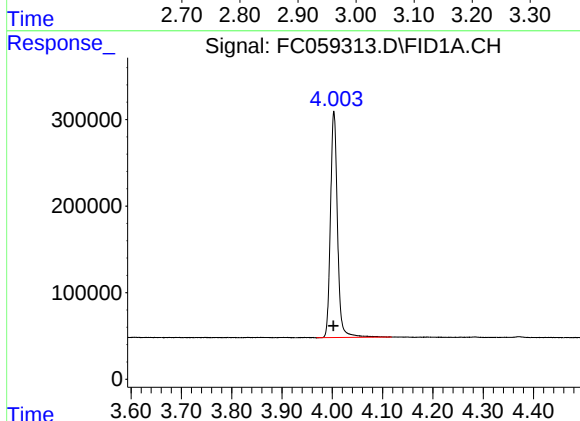
#1 n-Nonane (C9)

R.T.: 2.960 min  
Delta R.T.: 0.000 min  
Response: 2496983  
Conc: 20.38 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

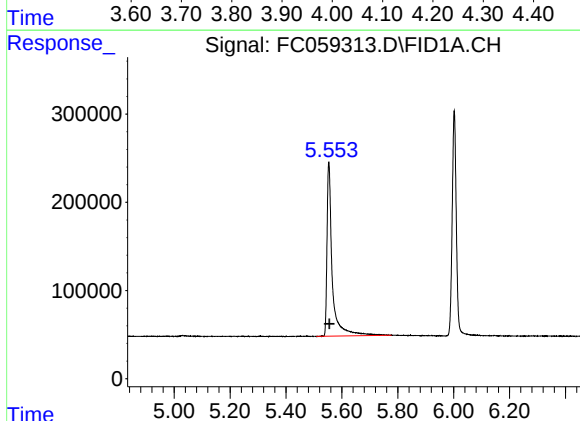
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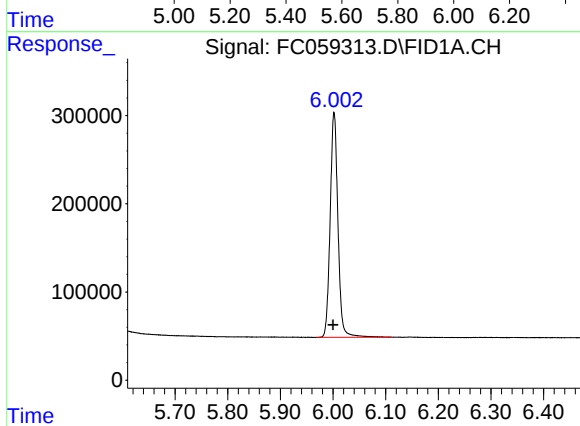
#2 n-Decane (C10)

R.T.: 4.003 min  
Delta R.T.: 0.002 min  
Response: 2535057  
Conc: 20.69 ug/ml



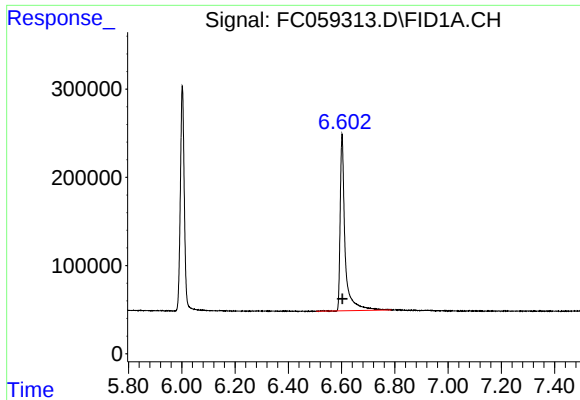
#3 A~Naphthalene (C11.7)

R.T.: 5.554 min  
Delta R.T.: -0.002 min  
Response: 2605598  
Conc: 20.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.002 min  
Delta R.T.: 0.002 min  
Response: 2619889  
Conc: 20.51 ug/ml



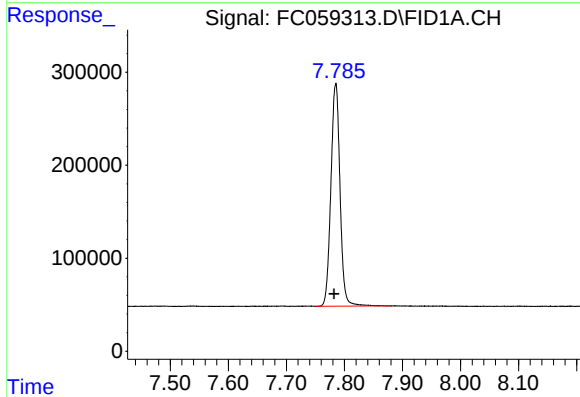
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.602 min  
Delta R.T.: 0.000 min  
Response: 2568122  
Conc: 20.03 ug/ml

Instrument :  
FID\_C  
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20 PPM ALIPHATIC HC STD

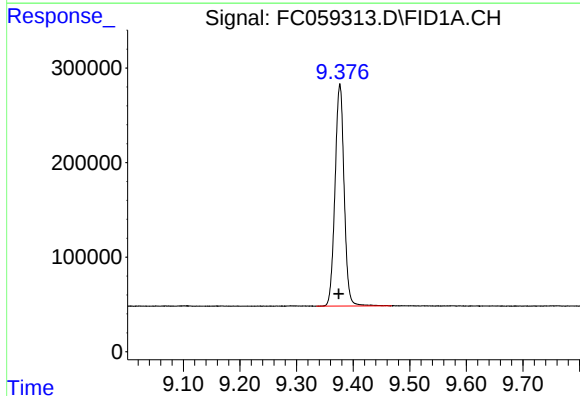
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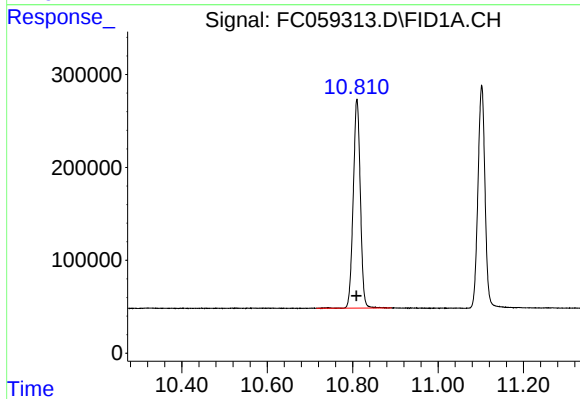
#6 n-Tetradecane (C14)

R.T.: 7.785 min  
Delta R.T.: 0.003 min  
Response: 2614024  
Conc: 20.10 ug/ml



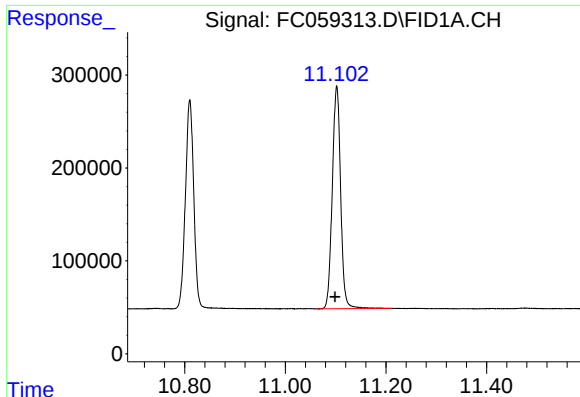
#7 n-Hexadecane (C16)

R.T.: 9.376 min  
Delta R.T.: 0.002 min  
Response: 2624484  
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.810 min  
Delta R.T.: 0.002 min  
Response: 2596566  
Conc: 19.53 ug/ml



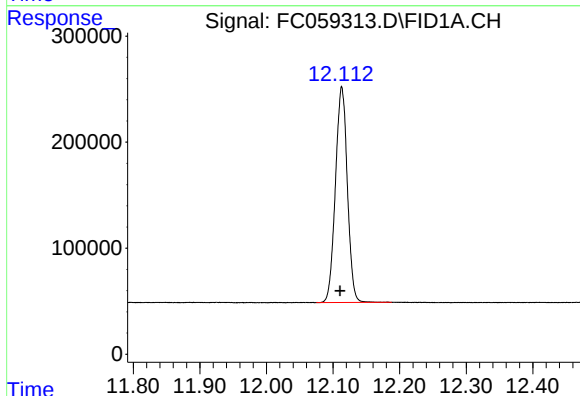
#9 ortho-Terphenyl (SURR)

R.T.: 11.102 min  
Delta R.T.: 0.003 min  
Response: 2767632  
Conc: 19.21 ug/ml

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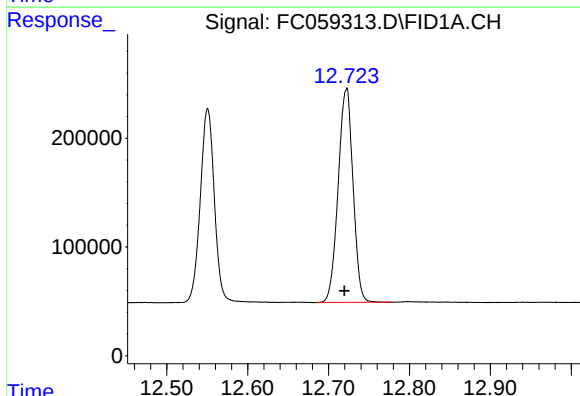
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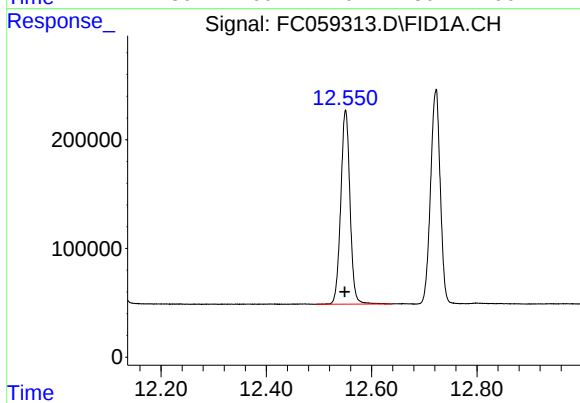
#10 n-Eicosane (C20)

R.T.: 12.113 min  
Delta R.T.: 0.003 min  
Response: 2528943  
Conc: 19.30 ug/ml



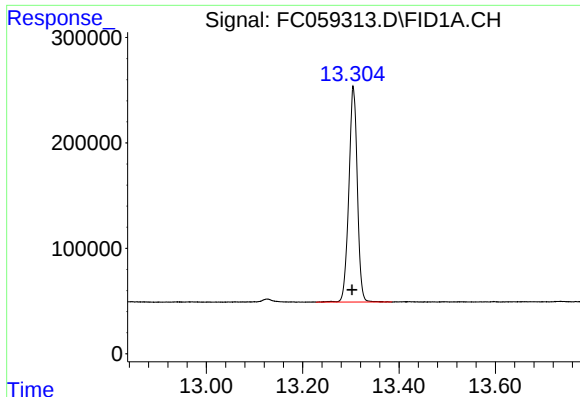
#11 n-Heneicosane (C21)

R.T.: 12.722 min  
Delta R.T.: 0.002 min  
Response: 2511531  
Conc: 19.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.551 min  
Delta R.T.: 0.002 min  
Response: 2166120  
Conc: 19.32 ug/ml



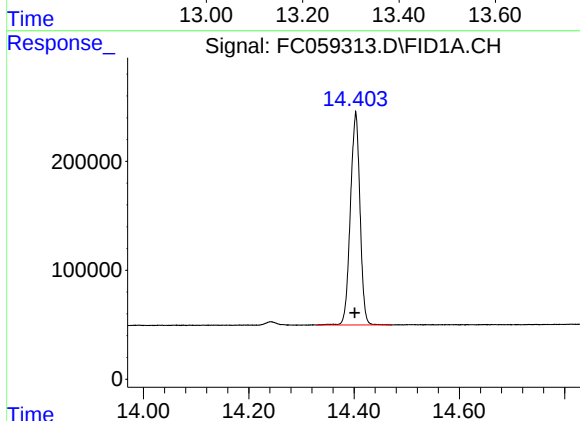
#13 n-Docosane (C22)

R.T.: 13.305 min  
Delta R.T.: 0.003 min  
Response: 2509047  
Conc: 19.37 ug/ml

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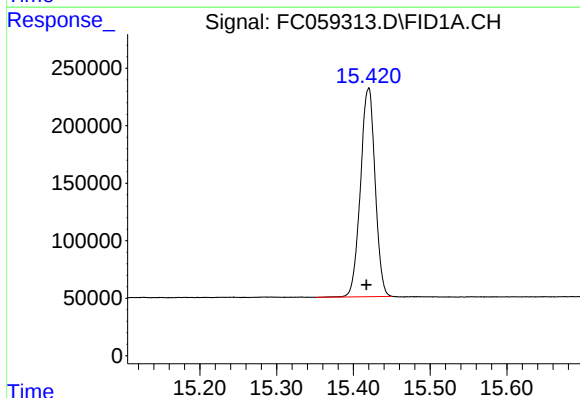
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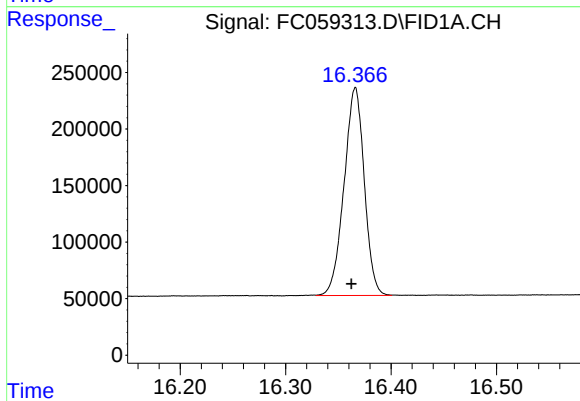
#14 n-Tetracosane (C24)

R.T.: 14.403 min  
Delta R.T.: 0.002 min  
Response: 2465646  
Conc: 19.52 ug/ml



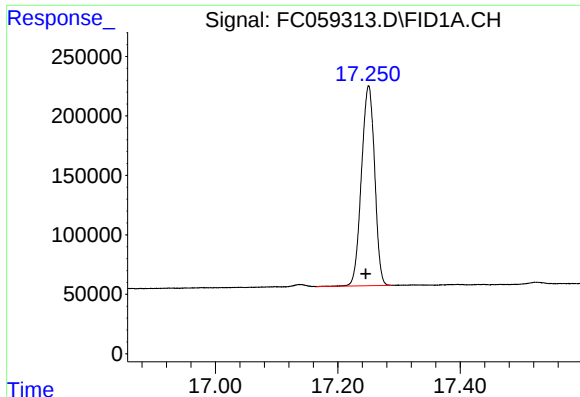
#15 n-Hexacosane (C26)

R.T.: 15.419 min  
Delta R.T.: 0.002 min  
Response: 2410585  
Conc: 19.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.366 min  
Delta R.T.: 0.003 min  
Response: 2446001  
Conc: 20.66 ug/ml m



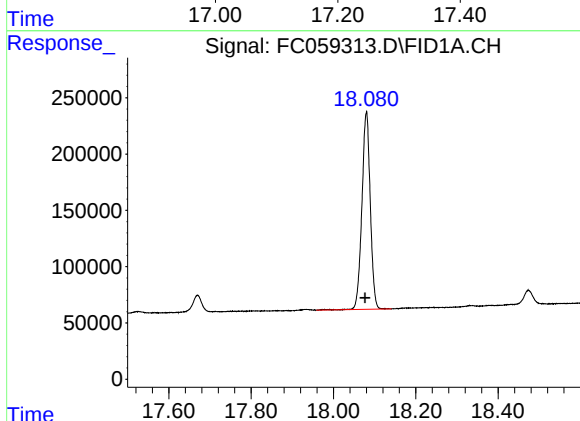
#17 n-Tricontane (C30)

R.T.: 17.250 min  
Delta R.T.: 0.004 min  
Response: 2514359  
Conc: 22.04 ug/ml

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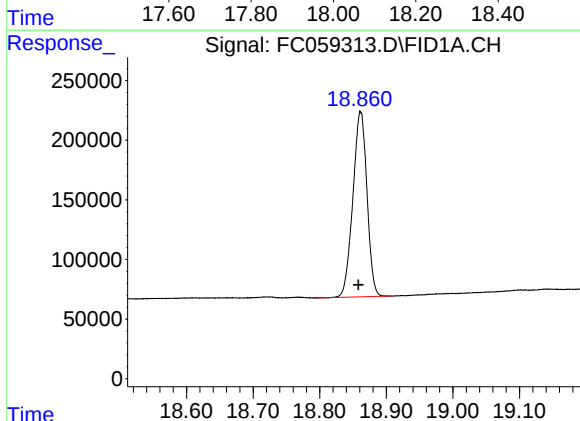
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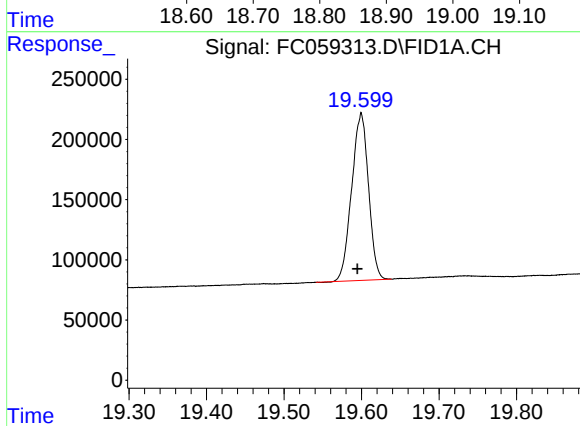
#18 n-Dotriacontane (C32)

R.T.: 18.080 min  
Delta R.T.: 0.003 min  
Response: 2469538  
Conc: 23.05 ug/ml



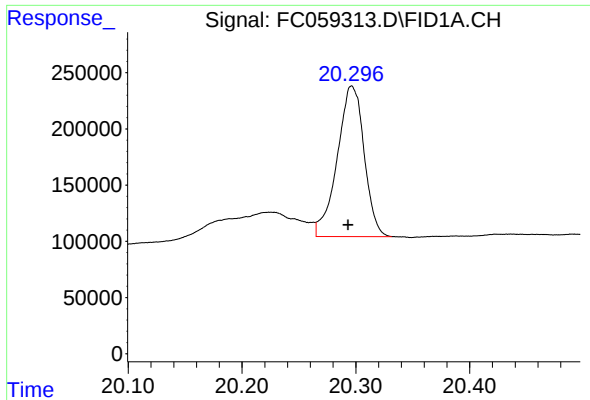
#19 n-Tetratriacontane (C34)

R.T.: 18.861 min  
Delta R.T.: 0.003 min  
Response: 2283958  
Conc: 22.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.599 min  
Delta R.T.: 0.004 min  
Response: 2094953  
Conc: 21.93 ug/ml



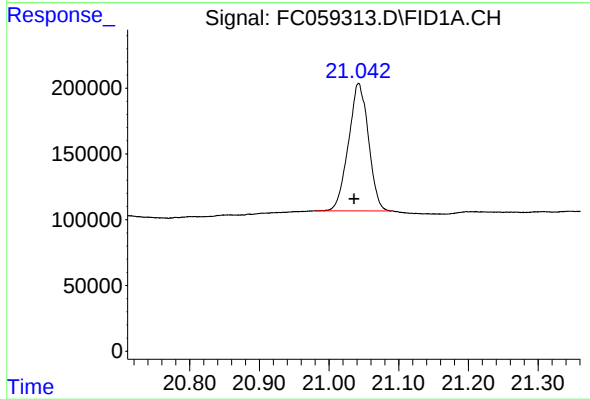
#21 n-Octatriacontane (C38)

R.T.: 20.296 min  
Delta R.T.: 0.003 min  
Response: 2197801  
Conc: 23.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.042 min  
Delta R.T.: 0.007 min  
Response: 1930780  
Conc: 20.77 ug/ml