

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC051122AL\  
 Data File : FC059692.D  
 Signal(s) : FID1A.CH  
 Acq On : 11 May 2022 13:26  
 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 05/12/2022  
 Supervised By :mohammad ahmed 05/12/2022

Integration File: sample.E  
 Quant Time: May 12 02:10:46 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)    | 10.659 | 2757455    | 18.778 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.56%        |
| 12) S 1-chlorooctadecane (S... | 12.028 | 2183998    | 18.978 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.96%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.636  | 2373155    | 18.583 ug/ml  |
| 2) T n-Decane (C10)            | 3.637  | 2415400    | 19.072 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.174  | 2758590    | 18.735 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.591  | 2492460    | 18.953 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.198  | 2822162    | 18.775 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.342  | 2538422    | 18.865 ug/ml  |
| 7) T n-Hexadecane (C16)        | 8.905  | 2579320    | 18.798 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.313 | 2595444    | 18.834 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.593 | 2548587    | 18.949 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.191 | 2526528    | 18.939 ug/ml  |
| 13) T n-Docosane (C22)         | 12.763 | 2530811    | 19.284 ug/ml  |
| 14) T n-Tetracosane (C24)      | 13.841 | 2512420    | 19.968 ug/ml  |
| 15) T n-Hexacosane (C26)       | 14.840 | 2354119    | 19.711 ug/ml  |
| 16) T n-Octacosane (C28)       | 15.767 | 2293372    | 20.145 ug/ml  |
| 17) T n-Tricontane (C30)       | 16.634 | 2290678    | 20.839 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.448 | 2182051    | 21.107 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 18.210 | 2014415    | 20.633 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 18.934 | 1862563    | 20.063 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 19.617 | 1809050    | 19.004 ug/mlm |
| 22) T n-Tetracontane (C40)     | 20.268 | 1809262    | 19.112 ug/mlm |
| -----                          |        |            |               |

(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

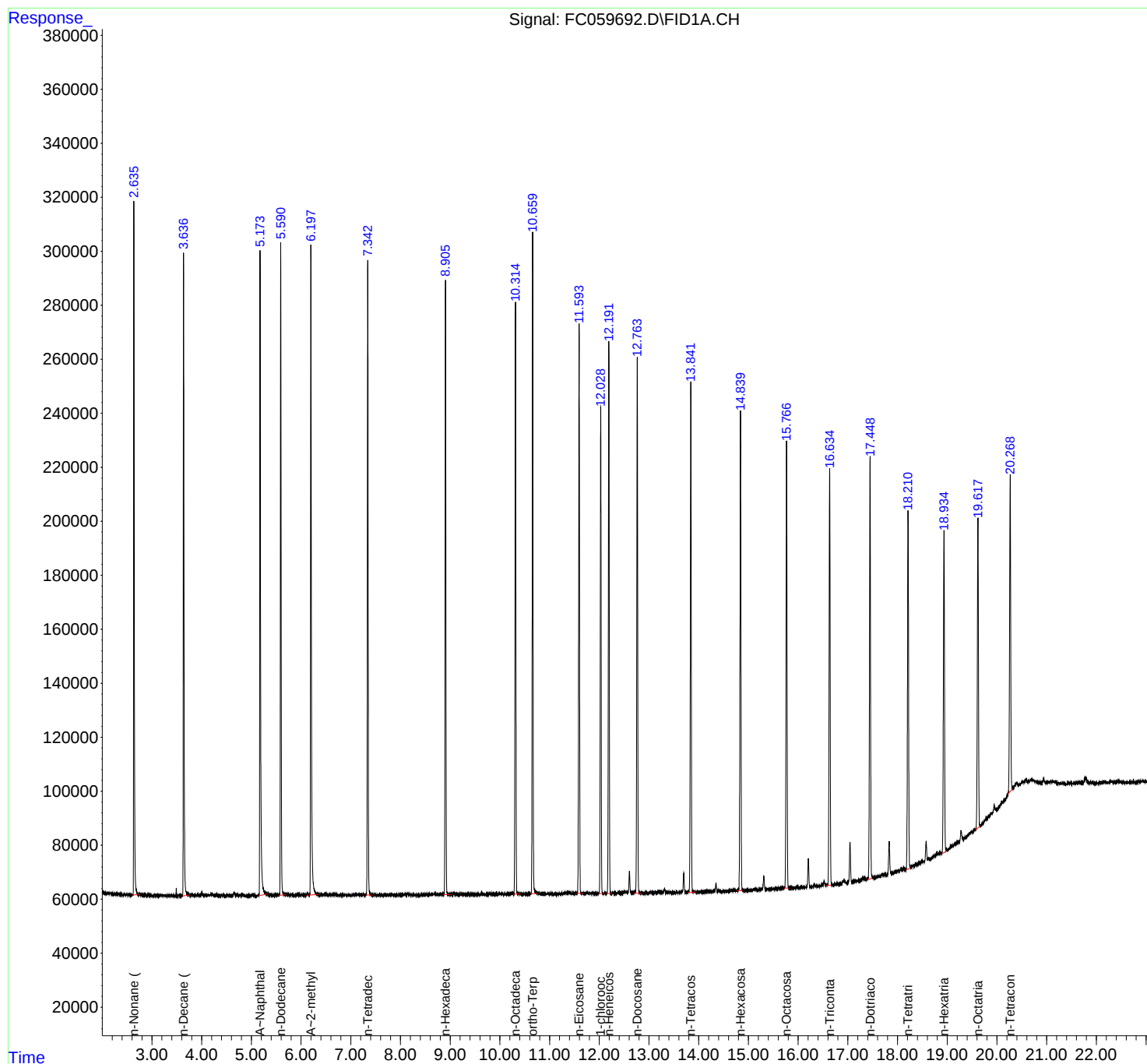
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

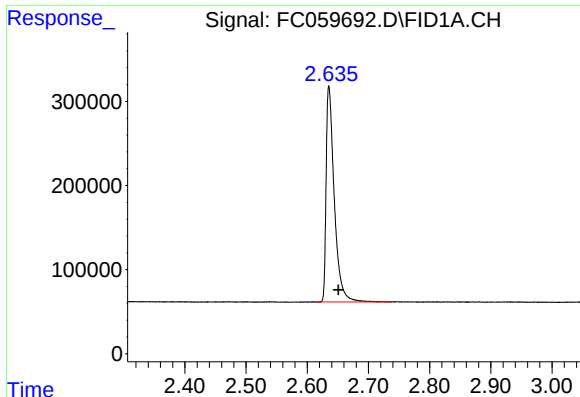
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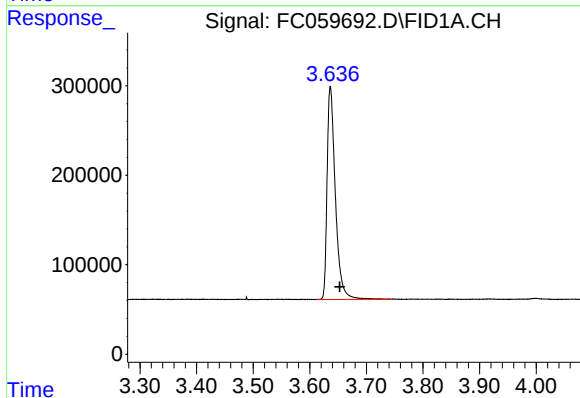
#1 n-Nonane (C9)

R.T.: 2.636 min  
Delta R.T.: -0.015 min  
Response: 2373155  
Conc: 18.58 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

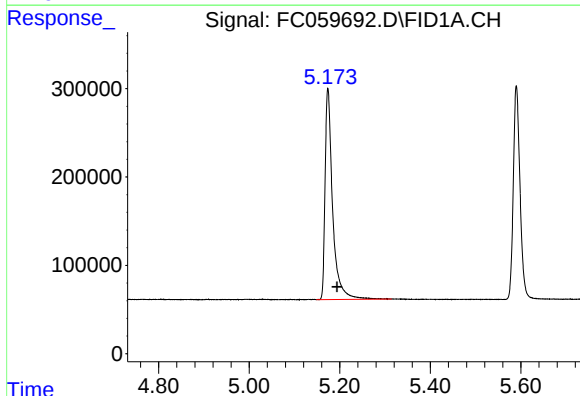
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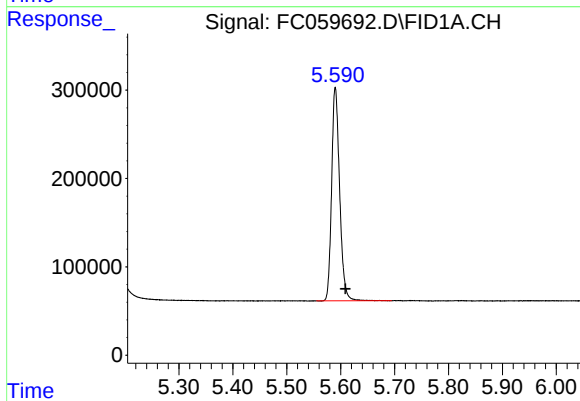
#2 n-Decane (C10)

R.T.: 3.637 min  
Delta R.T.: -0.016 min  
Response: 2415400  
Conc: 19.07 ug/ml



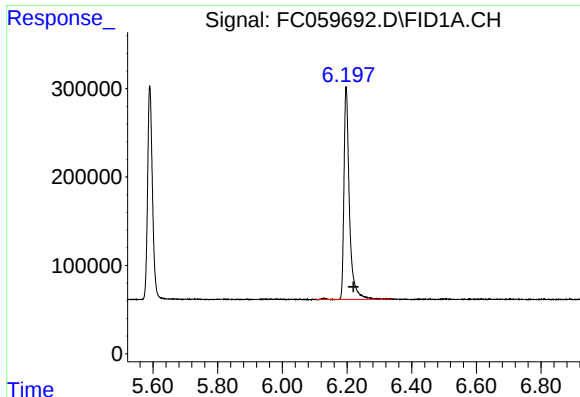
#3 A~Naphthalene (C11.7)

R.T.: 5.174 min  
Delta R.T.: -0.020 min  
Response: 2758590  
Conc: 18.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.591 min  
Delta R.T.: -0.018 min  
Response: 2492460  
Conc: 18.95 ug/ml



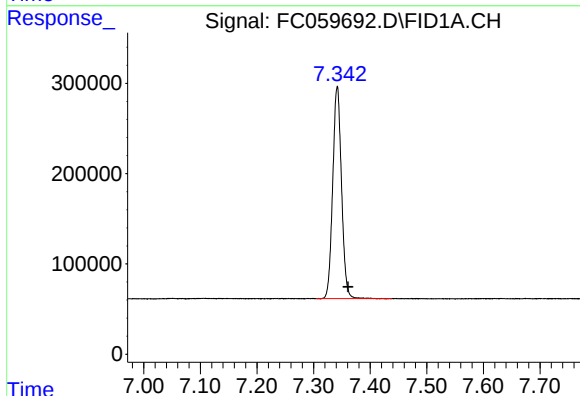
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.198 min  
Delta R.T.: -0.021 min  
Response: 2822162  
Conc: 18.77 ug/ml

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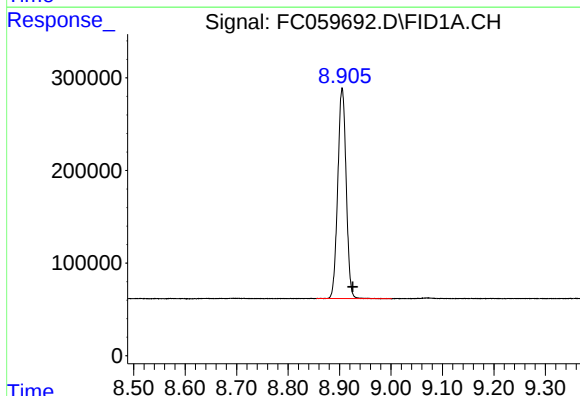
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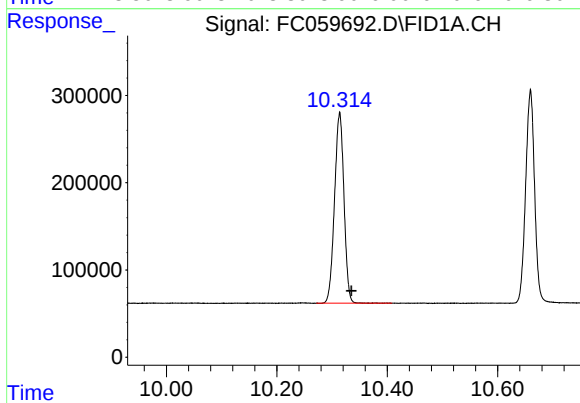
#6 n-Tetradecane (C14)

R.T.: 7.342 min  
Delta R.T.: -0.019 min  
Response: 2538422  
Conc: 18.86 ug/ml



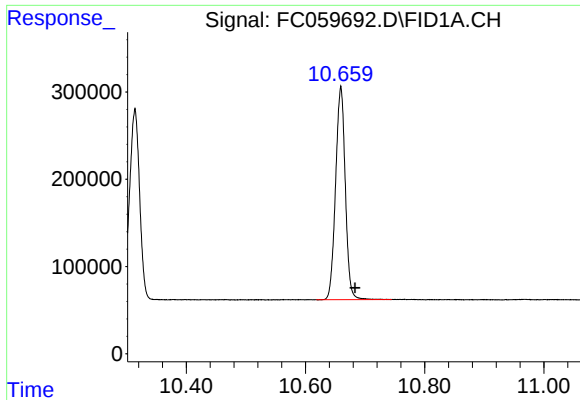
#7 n-Hexadecane (C16)

R.T.: 8.905 min  
Delta R.T.: -0.020 min  
Response: 2579320  
Conc: 18.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.313 min  
Delta R.T.: -0.022 min  
Response: 2595444  
Conc: 18.83 ug/ml



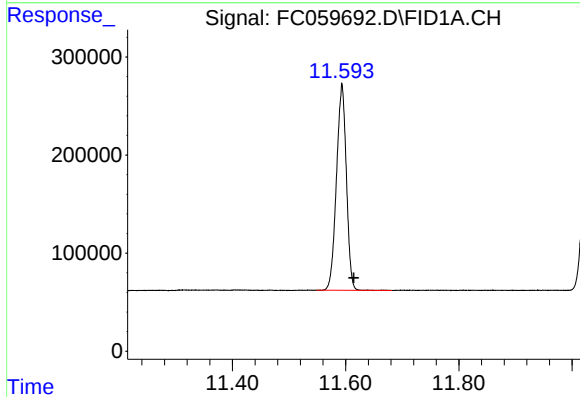
#9 ortho-Terphenyl (SURR)

R.T.: 10.659 min  
Delta R.T.: -0.024 min  
Response: 2757455  
Conc: 18.78 ug/ml

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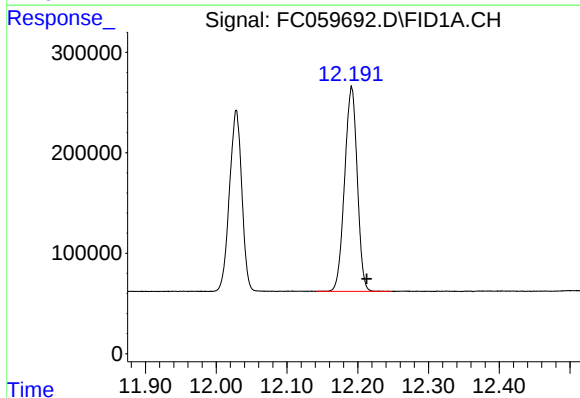
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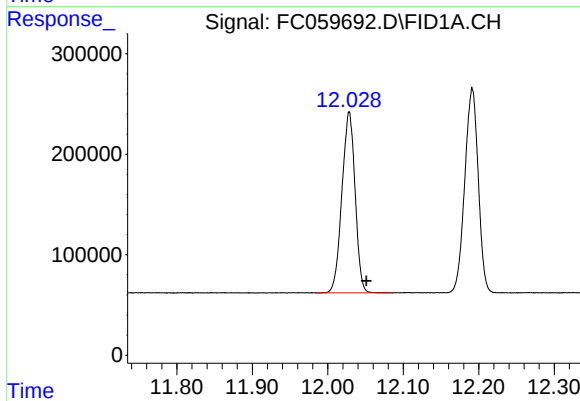
#10 n-Eicosane (C20)

R.T.: 11.593 min  
Delta R.T.: -0.021 min  
Response: 2548587  
Conc: 18.95 ug/ml



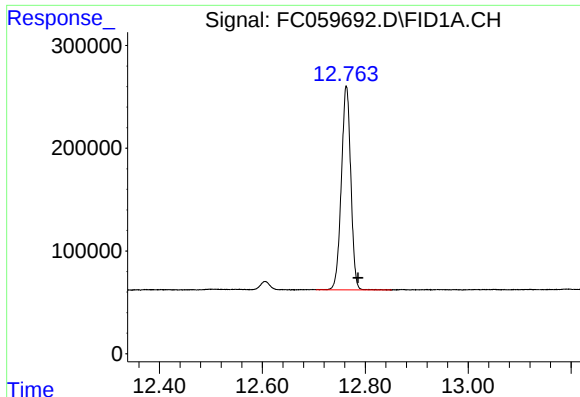
#11 n-Heneicosane (C21)

R.T.: 12.191 min  
Delta R.T.: -0.022 min  
Response: 2526528  
Conc: 18.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.028 min  
Delta R.T.: -0.023 min  
Response: 2183998  
Conc: 18.98 ug/ml



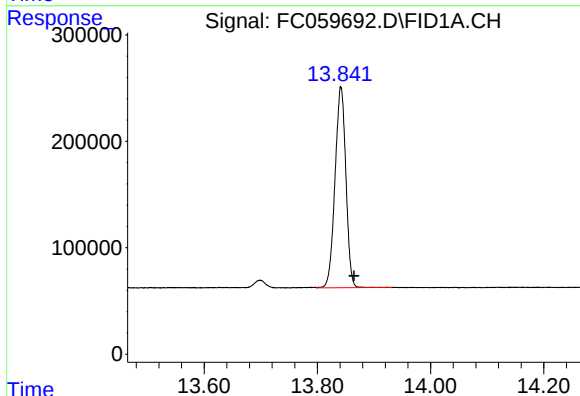
#13 n-Docosane (C22)

R.T.: 12.763 min  
Delta R.T.: -0.023 min  
Response: 2530811  
Conc: 19.28 ug/ml

Instrument :  
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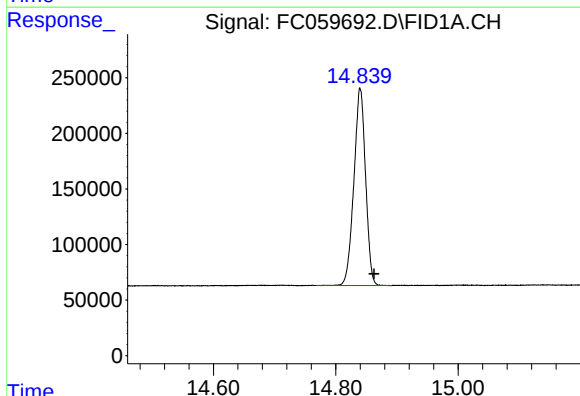
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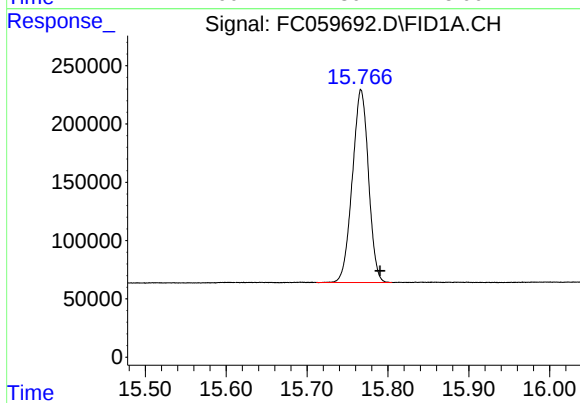
#14 n-Tetracosane (C24)

R.T.: 13.841 min  
Delta R.T.: -0.023 min  
Response: 2512420  
Conc: 19.97 ug/ml



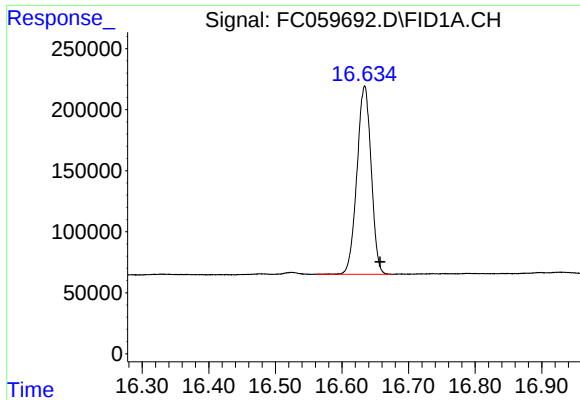
#15 n-Hexacosane (C26)

R.T.: 14.840 min  
Delta R.T.: -0.023 min  
Response: 2354119  
Conc: 19.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.767 min  
Delta R.T.: -0.024 min  
Response: 2293372  
Conc: 20.14 ug/ml



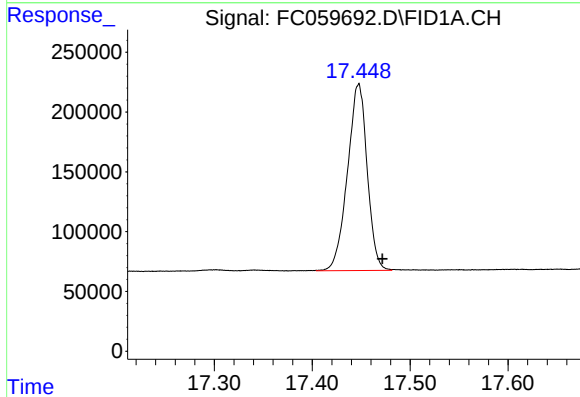
#17 n-Tricontane (C30)

R.T.: 16.634 min  
Delta R.T.: -0.024 min  
Response: 2290678  
Conc: 20.84 ug/ml

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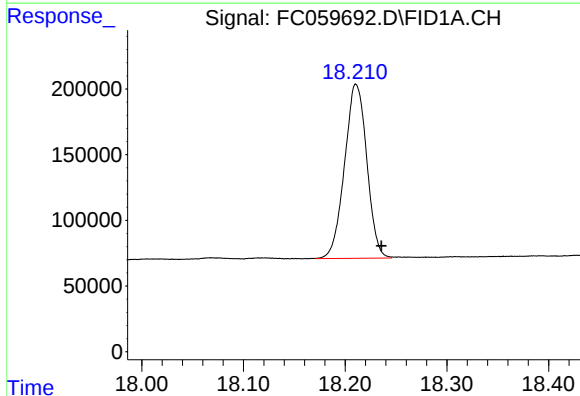
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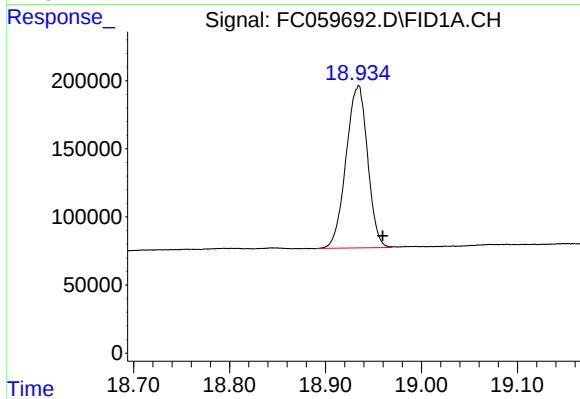
#18 n-Dotriacontane (C32)

R.T.: 17.448 min  
Delta R.T.: -0.024 min  
Response: 2182051  
Conc: 21.11 ug/ml m



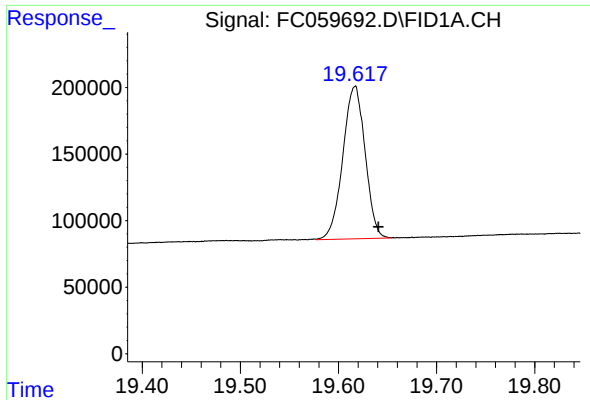
#19 n-Tetratriacontane (C34)

R.T.: 18.210 min  
Delta R.T.: -0.026 min  
Response: 2014415  
Conc: 20.63 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.934 min  
Delta R.T.: -0.026 min  
Response: 1862563  
Conc: 20.06 ug/ml m



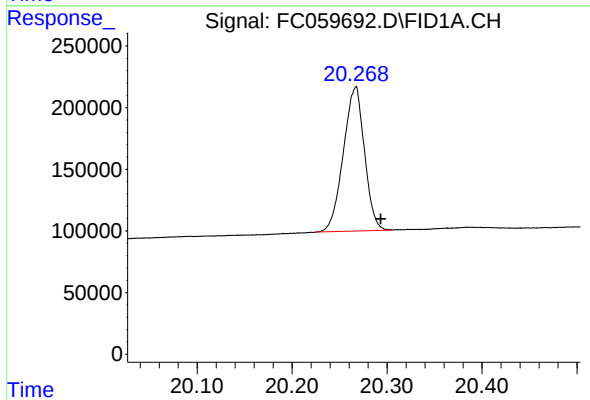
#21 n-Octatriacontane (C38)

R.T.: 19.617 min  
Delta R.T.: -0.023 min  
Response: 1809050  
Conc: 19.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.268 min  
Delta R.T.: -0.025 min  
Response: 1809262  
Conc: 19.11 ug/ml m