

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC060421AL\  
 Data File : FC054015.D  
 Signal(s) : FID1A.CH  
 Acq On : 05 Jun 2021 4:44  
 Operator : DD\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
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Integration File: autoint1.e  
 Quant Time: Jun 05 06:37:02 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 052721.M  
 Quant Title : GC Extractables  
 QLast Update : Fri May 28 09:04:47 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

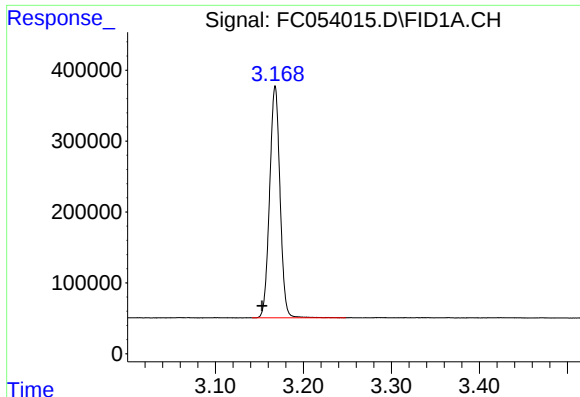
Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.374 | 2859423    | 20.479 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.96%        |
| 12) S 1-chlorooctadecane (S... | 12.818 | 2221406    | 19.813 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.63%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.168  | 2677143    | 22.660 ug/ml  |
| 2) T n-Decane (C10)            | 4.226  | 2714207    | 22.772 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.798  | 2990703    | 22.867 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.238  | 2768258    | 22.550 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.852  | 3057836    | 22.906 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.030  | 2771536    | 22.344 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.628  | 2710981    | 21.759 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.068 | 2765947    | 20.999 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.375 | 2709230    | 20.212 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.987 | 2668722    | 19.897 ug/ml  |
| 13) T n-Docosane (C22)         | 13.573 | 2623548    | 19.520 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.675 | 2560058    | 19.067 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.695 | 2467914    | 18.621 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.645 | 2429208    | 18.398 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.533 | 2390816    | 18.234 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.364 | 2341288    | 18.149 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.150 | 2311737    | 18.949 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.889 | 2207758    | 19.555 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.600 | 2206071    | 21.879 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.441 | 2075495    | 20.565 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.





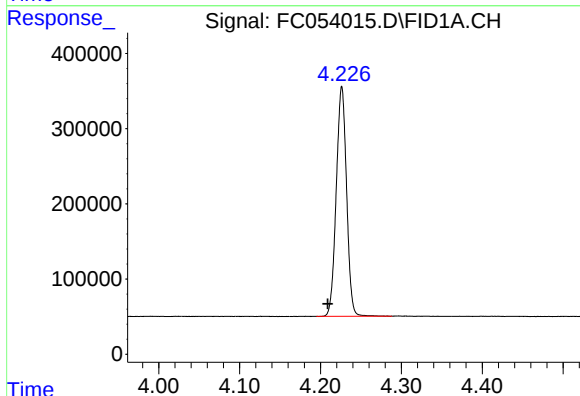
#1 n-Nonane (C9)

R.T.: 3.168 min  
Delta R.T.: 0.015 min  
Response: 2677143  
Conc: 22.66 ug/ml

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20 PPM ALIPHATIC HC STD

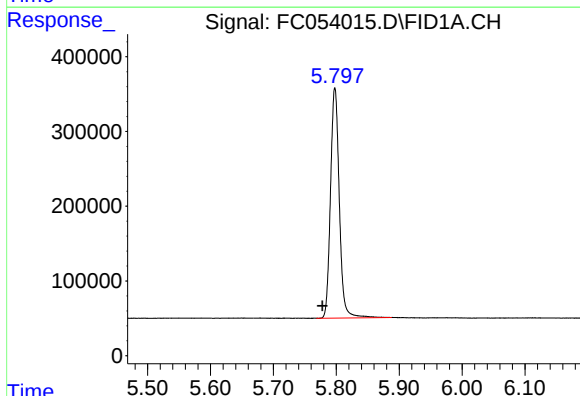
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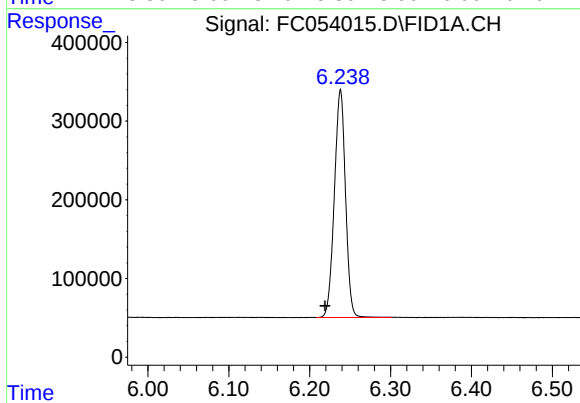
#2 n-Decane (C10)

R.T.: 4.226 min  
Delta R.T.: 0.017 min  
Response: 2714207  
Conc: 22.77 ug/ml



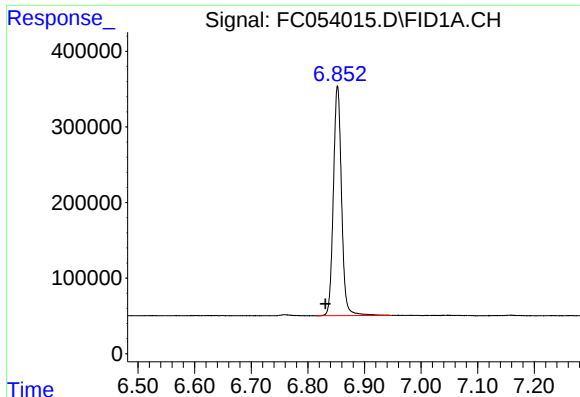
#3 A~Naphthalene (C11.7)

R.T.: 5.798 min  
Delta R.T.: 0.020 min  
Response: 2990703  
Conc: 22.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.238 min  
Delta R.T.: 0.019 min  
Response: 2768258  
Conc: 22.55 ug/ml



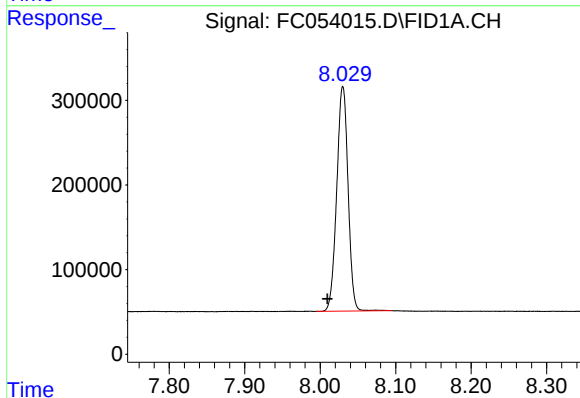
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.852 min  
Delta R.T.: 0.022 min  
Response: 3057836  
Conc: 22.91 ug/ml

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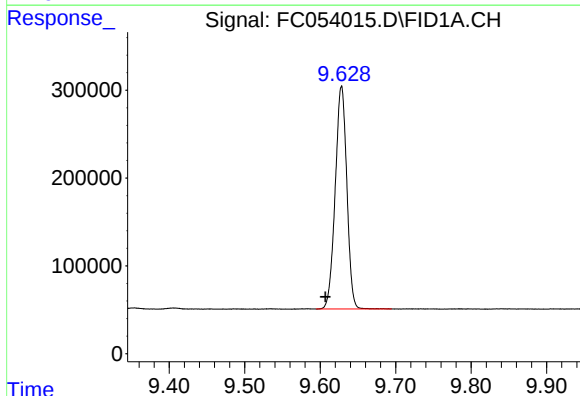
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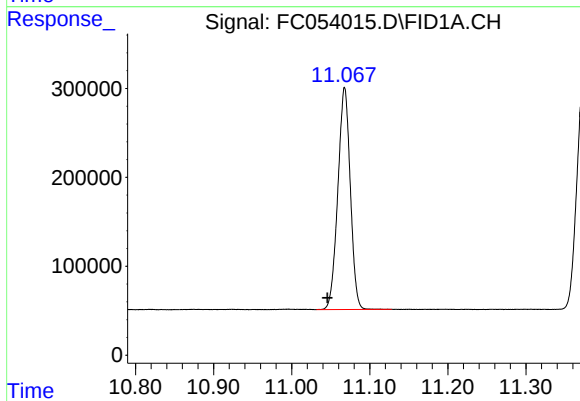
#6 n-Tetradecane (C14)

R.T.: 8.030 min  
Delta R.T.: 0.020 min  
Response: 2771536  
Conc: 22.34 ug/ml



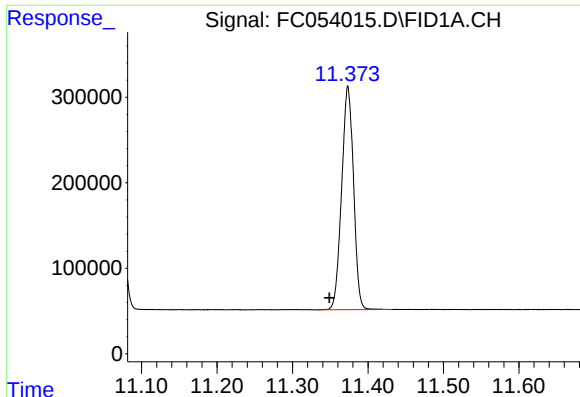
#7 n-Hexadecane (C16)

R.T.: 9.628 min  
Delta R.T.: 0.021 min  
Response: 2710981  
Conc: 21.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.068 min  
Delta R.T.: 0.022 min  
Response: 2765947  
Conc: 21.00 ug/ml



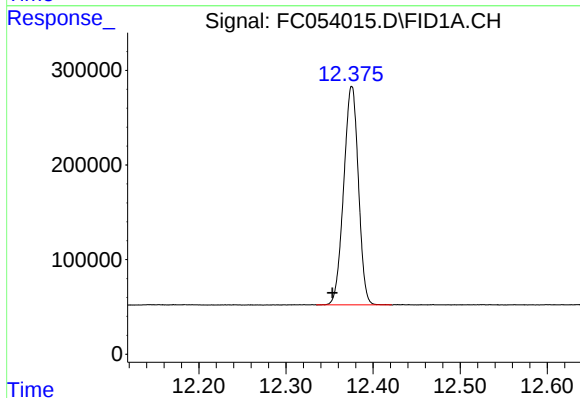
#9 ortho-Terphenyl (SURR)

R.T.: 11.374 min  
Delta R.T.: 0.024 min  
Response: 2859423  
Conc: 20.48 ug/ml

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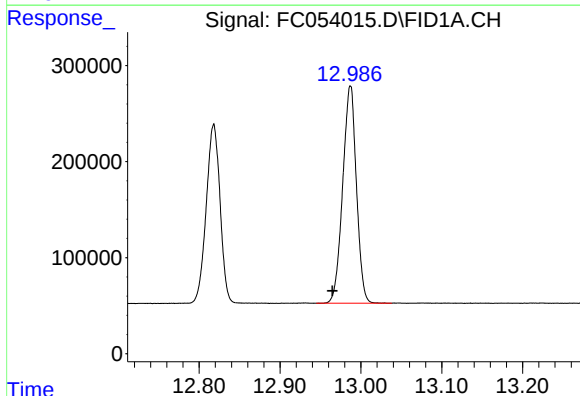
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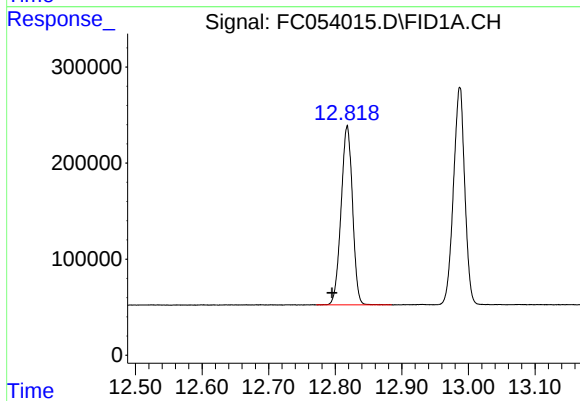
#10 n-Eicosane (C20)

R.T.: 12.375 min  
Delta R.T.: 0.022 min  
Response: 2709230  
Conc: 20.21 ug/ml



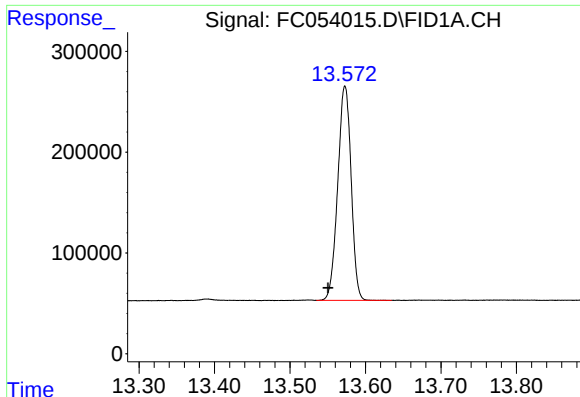
#11 n-Heneicosane (C21)

R.T.: 12.987 min  
Delta R.T.: 0.022 min  
Response: 2668722  
Conc: 19.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.818 min  
Delta R.T.: 0.023 min  
Response: 2221406  
Conc: 19.81 ug/ml



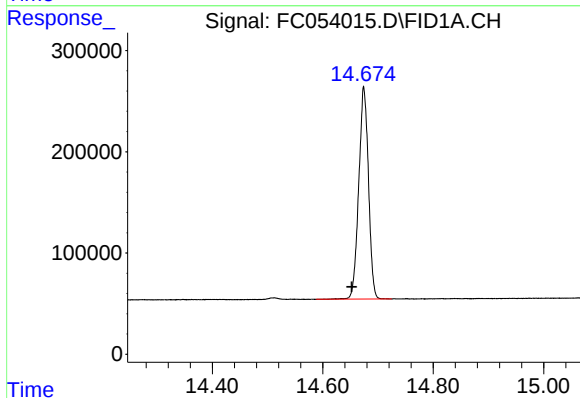
#13 n-Docosane (C22)

R.T.: 13.573 min  
Delta R.T.: 0.022 min  
Response: 2623548  
Conc: 19.52 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

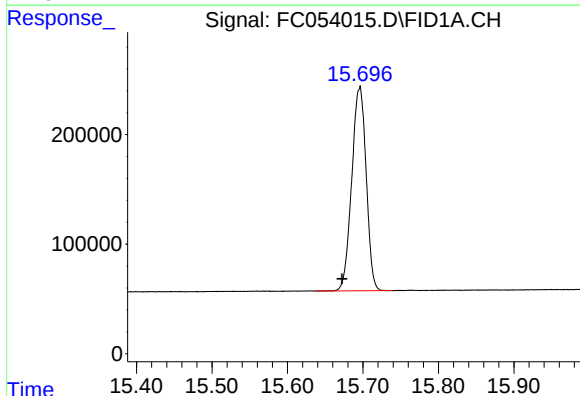
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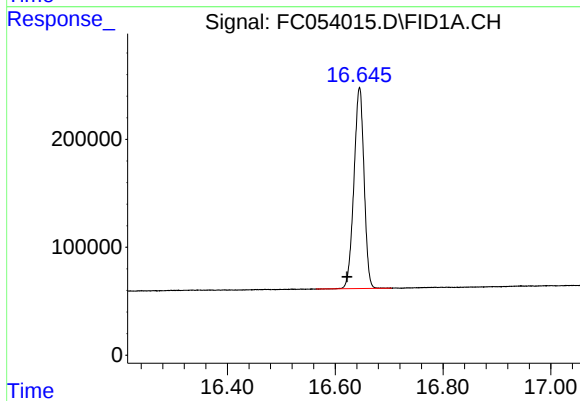
#14 n-Tetracosane (C24)

R.T.: 14.675 min  
Delta R.T.: 0.022 min  
Response: 2560058  
Conc: 19.07 ug/ml



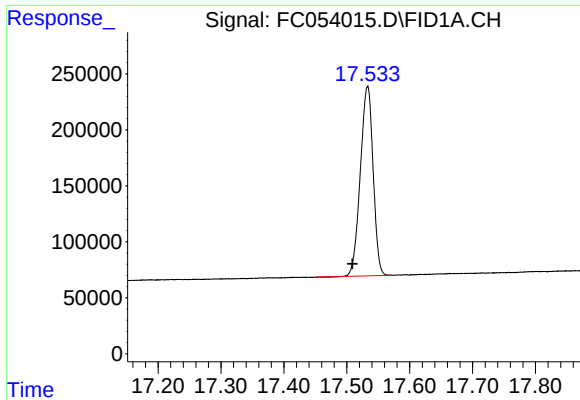
#15 n-Hexacosane (C26)

R.T.: 15.695 min  
Delta R.T.: 0.023 min  
Response: 2467914  
Conc: 18.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.645 min  
Delta R.T.: 0.023 min  
Response: 2429208  
Conc: 18.40 ug/ml



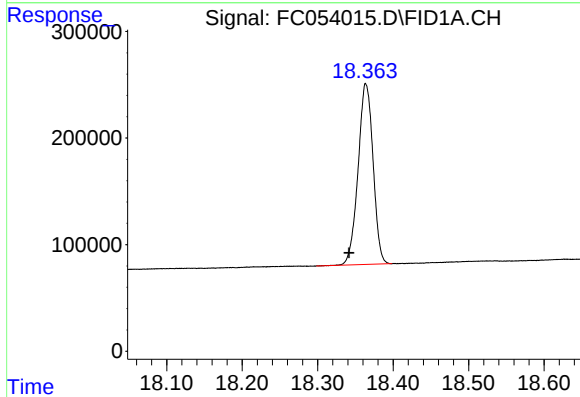
#17 n-Tricontane (C30)

R.T.: 17.533 min  
Delta R.T.: 0.024 min  
Response: 2390816  
Conc: 18.23 ug/ml

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20 PPM ALIPHATIC HC STD

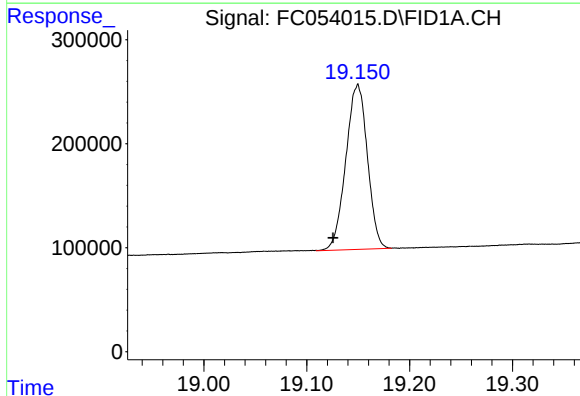
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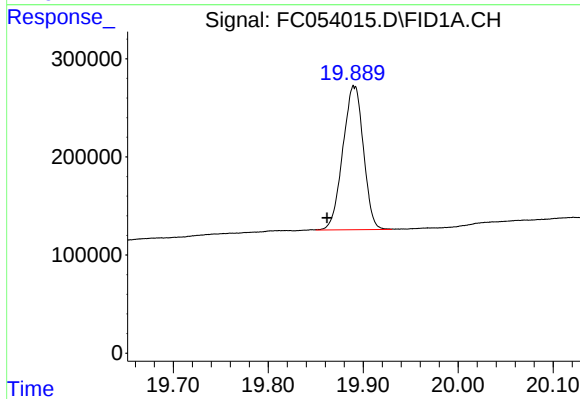
#18 n-Dotriacontane (C32)

R.T.: 18.364 min  
Delta R.T.: 0.023 min  
Response: 2341288  
Conc: 18.15 ug/ml



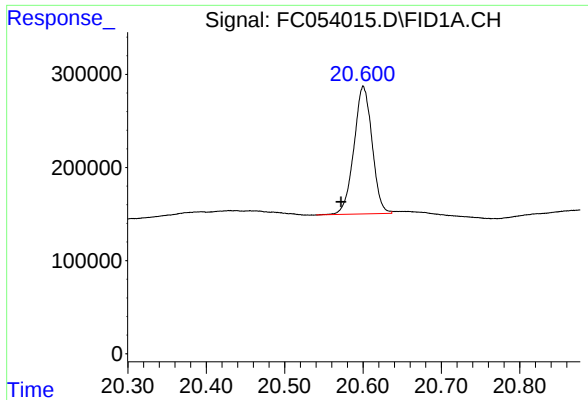
#19 n-Tetratriacontane (C34)

R.T.: 19.150 min  
Delta R.T.: 0.024 min  
Response: 2311737  
Conc: 18.95 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.889 min  
Delta R.T.: 0.027 min  
Response: 2207758  
Conc: 19.56 ug/ml m



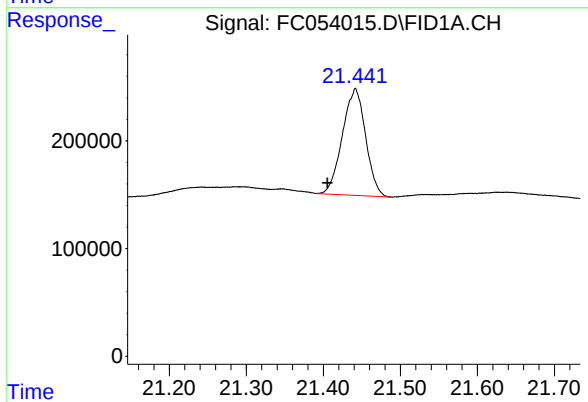
#21 n-Octatriacontane (C38)

R.T.: 20.600 min  
Delta R.T.: 0.028 min  
Response: 2206071  
Conc: 21.88 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.441 min  
Delta R.T.: 0.036 min  
Response: 2075495  
Conc: 20.57 ug/ml m