

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE020425AL\  
 Data File : FE052229.D  
 Signal(s) : FID1B.ch  
 Acq On : 04 Feb 2025 20:08  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025  
 Supervised By :Ankita Jodhani 02/05/2025

Integration File: autoint1.e  
 Quant Time: Feb 05 00:53:00 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 020325.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Feb 03 15:16:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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)    | 12.291 | 2424696    | 19.590 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.18%        |
| 12) S 1-chlorooctadecane (S... | 13.705 | 1893427    | 19.185 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.37%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.748  | 1865754    | 19.975 ug/ml  |
| 2) T n-Decane (C10)            | 4.978  | 1933137    | 20.130 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.682  | 2176571    | 20.366 ug/ml  |
| 4) T n-Dodecane (C12)          | 7.111  | 2002675    | 20.205 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.765  | 2142200    | 20.454 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.922  | 2036205    | 20.178 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.518 | 2158781    | 19.894 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.954 | 2221277    | 19.553 ug/ml  |
| 10) T n-Eicosane (C20)         | 13.258 | 2173903    | 19.263 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.868 | 2158716    | 19.169 ug/ml  |
| 13) T n-Docosane (C22)         | 14.451 | 2151579    | 19.009 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.550 | 2145510    | 18.660 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.567 | 2103055    | 18.338 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.514 | 2044508    | 18.070 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.399 | 2045237    | 17.949 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 19.229 | 2005493    | 18.395 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 20.008 | 1750364    | 18.450 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.746 | 1625104    | 19.668 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.556 | 1510481    | 20.332 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.596 | 1653301    | 22.176 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

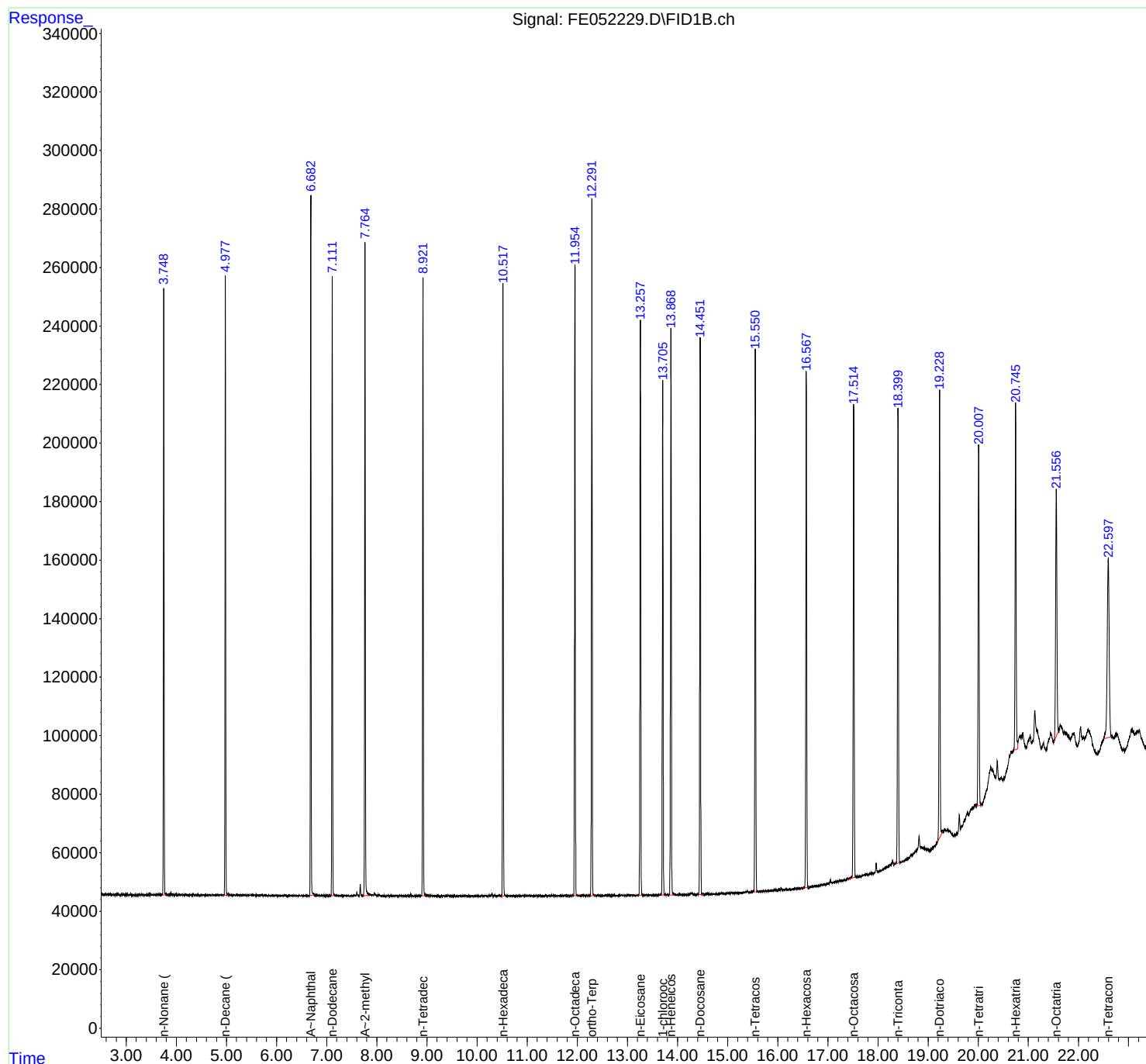
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

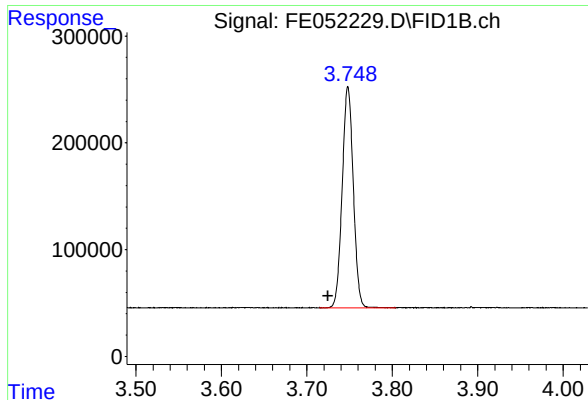
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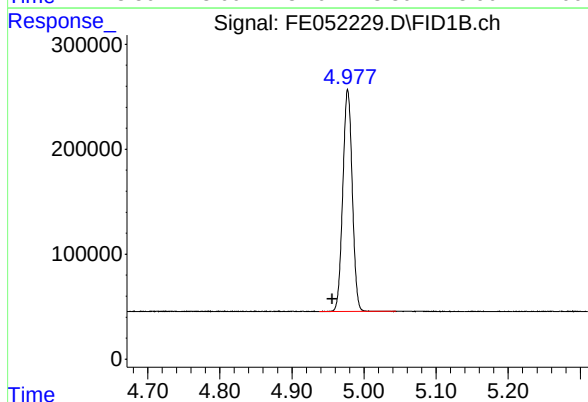
#1 n-Nonane (C9)

R.T.: 3.748 min  
Delta R.T.: 0.023 min  
Response: 1865754  
Conc: 19.98 ug/ml

Instrument : FID\_E  
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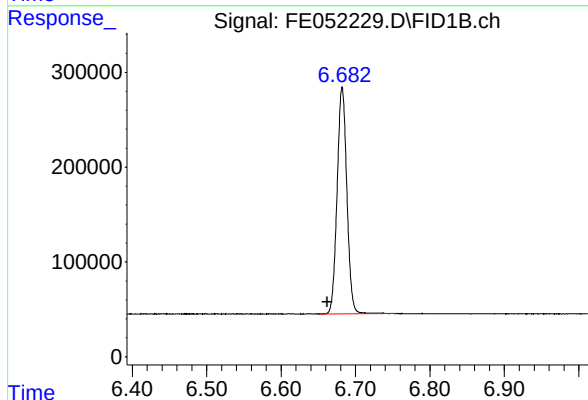
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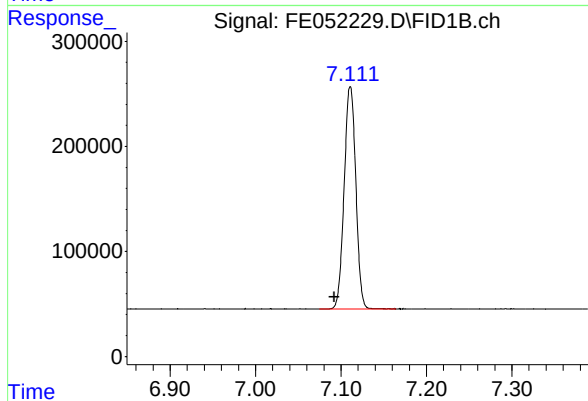
#2 n-Decane (C10)

R.T.: 4.978 min  
Delta R.T.: 0.022 min  
Response: 1933137  
Conc: 20.13 ug/ml



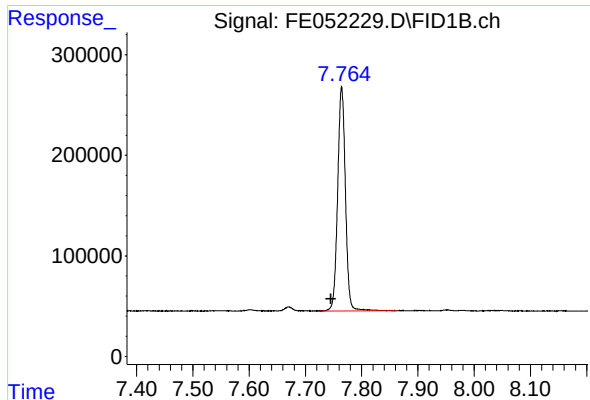
#3 A~Naphthalene (C11.7)

R.T.: 6.682 min  
Delta R.T.: 0.020 min  
Response: 2176571  
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.111 min  
Delta R.T.: 0.019 min  
Response: 2002675  
Conc: 20.21 ug/ml



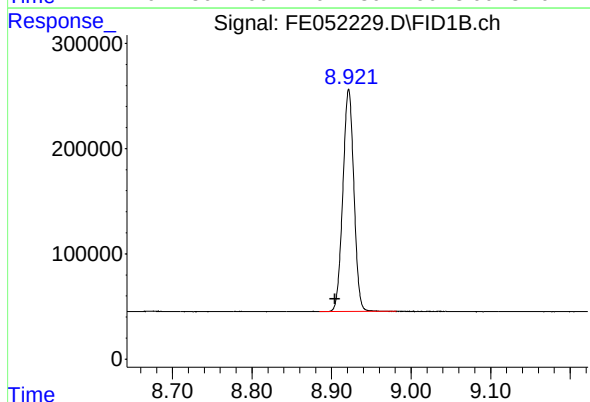
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.765 min  
Delta R.T.: 0.019 min  
Response: 2142200  
Conc: 20.45 ug/ml

Instrument : FID\_E  
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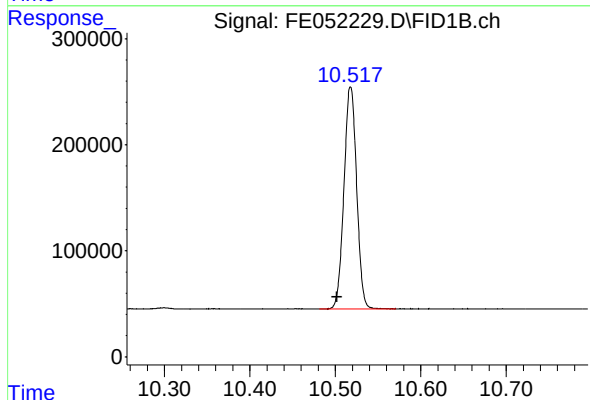
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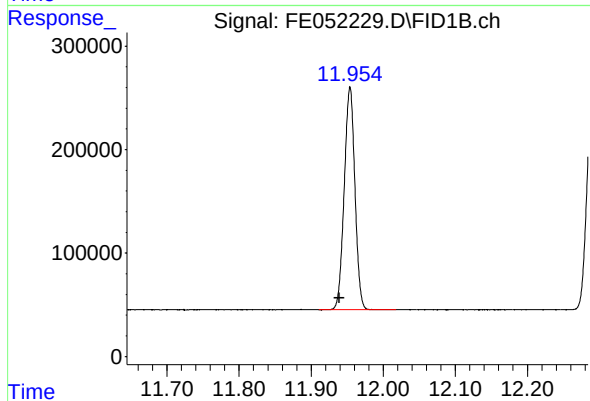
#6 n-Tetradecane (C14)

R.T.: 8.922 min  
Delta R.T.: 0.017 min  
Response: 2036205  
Conc: 20.18 ug/ml



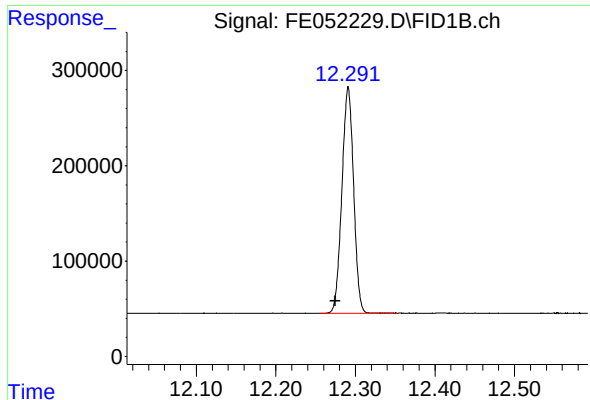
#7 n-Hexadecane (C16)

R.T.: 10.518 min  
Delta R.T.: 0.016 min  
Response: 2158781  
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.954 min  
Delta R.T.: 0.015 min  
Response: 2221277  
Conc: 19.55 ug/ml



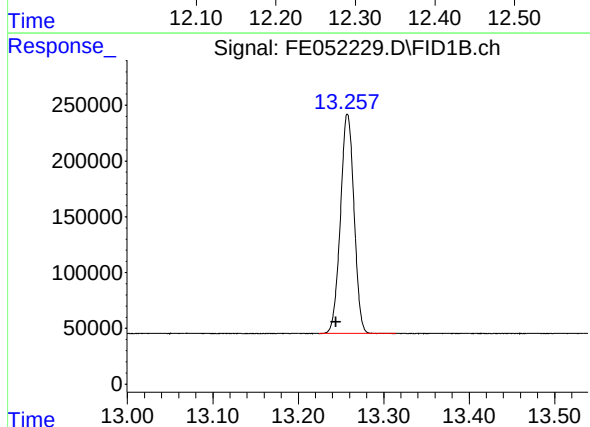
#9 ortho-Terphenyl (SURR)

R.T.: 12.291 min  
Delta R.T.: 0.016 min  
Response: 2424696  
Conc: 19.59 ug/ml

Instrument :  
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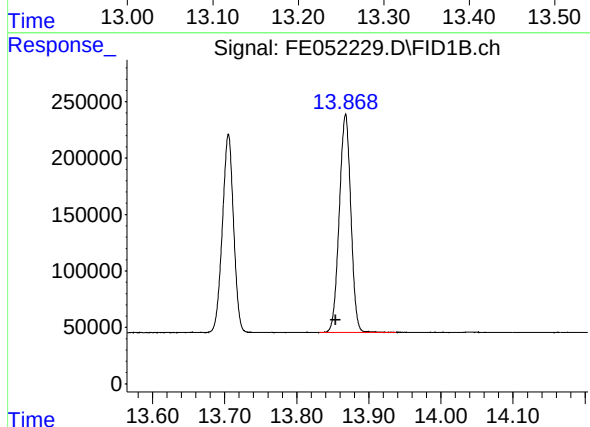
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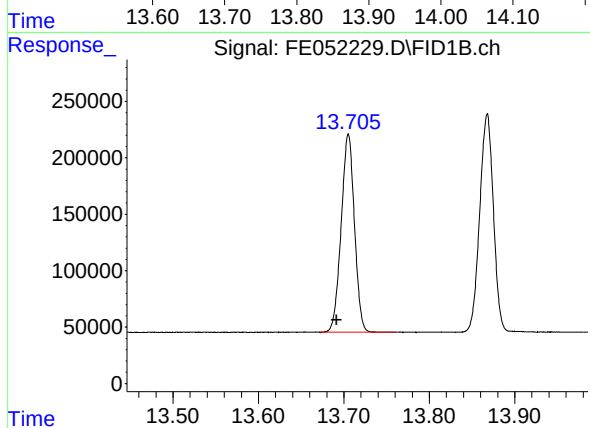
#10 n-Eicosane (C20)

R.T.: 13.258 min  
Delta R.T.: 0.014 min  
Response: 2173903  
Conc: 19.26 ug/ml



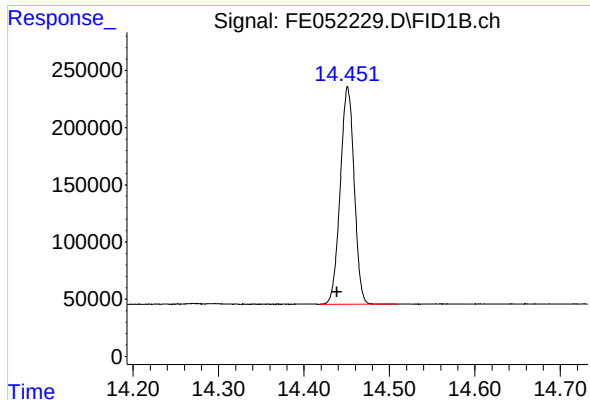
#11 n-Heneicosane (C21)

R.T.: 13.868 min  
Delta R.T.: 0.014 min  
Response: 2158716  
Conc: 19.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.705 min  
Delta R.T.: 0.013 min  
Response: 1893427  
Conc: 19.19 ug/ml



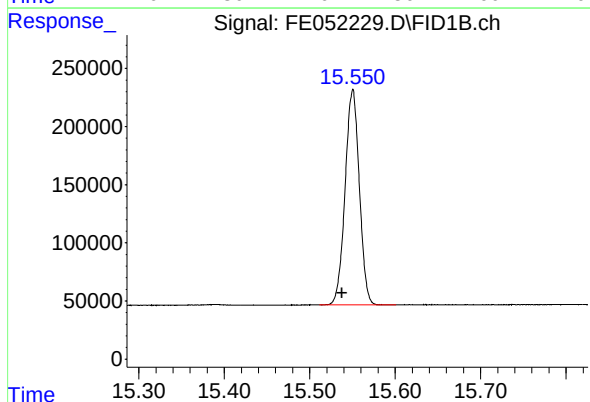
#13 n-Docosane (C22)

R.T.: 14.451 min  
Delta R.T.: 0.013 min  
Response: 2151579  
Conc: 19.01 ug/ml

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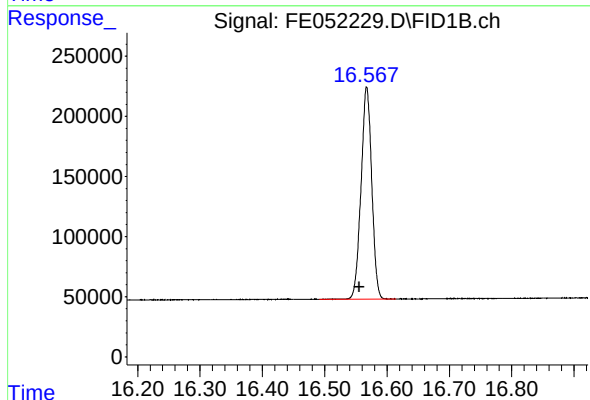
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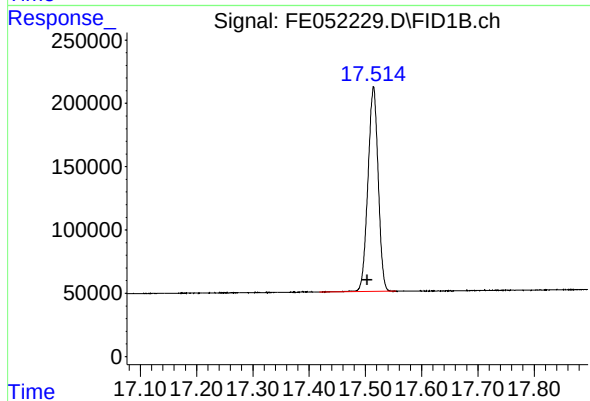
#14 n-Tetracosane (C24)

R.T.: 15.550 min  
Delta R.T.: 0.012 min  
Response: 2145510  
Conc: 18.66 ug/ml



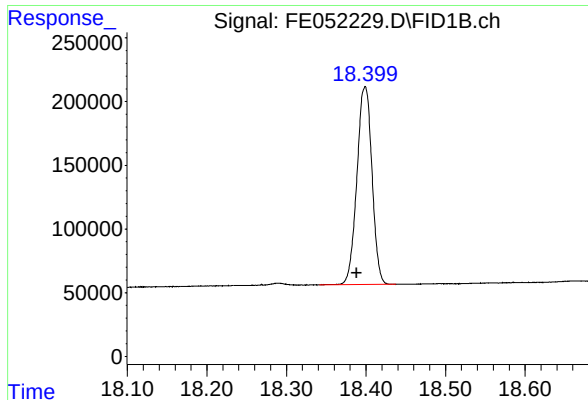
#15 n-Hexacosane (C26)

R.T.: 16.567 min  
Delta R.T.: 0.012 min  
Response: 2103055  
Conc: 18.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.514 min  
Delta R.T.: 0.011 min  
Response: 2044508  
Conc: 18.07 ug/ml



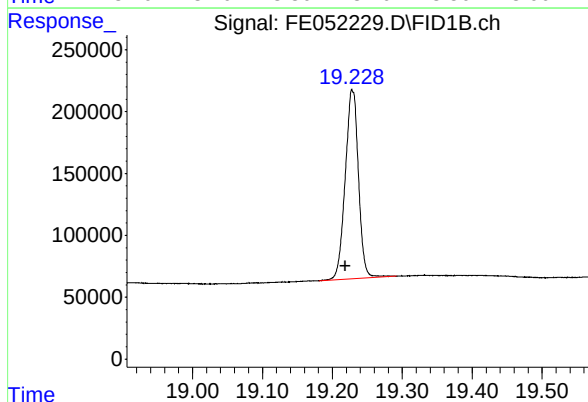
#17 n-Tricontane (C30)

R.T.: 18.399 min  
Delta R.T.: 0.011 min  
Response: 2045237  
Conc: 17.95 ug/ml

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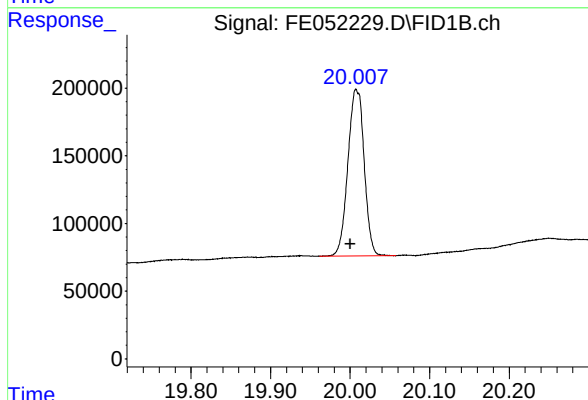
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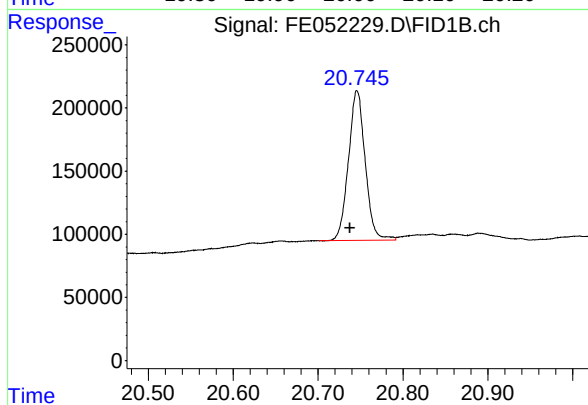
#18 n-Dotriacontane (C32)

R.T.: 19.229 min  
Delta R.T.: 0.010 min  
Response: 2005493  
Conc: 18.39 ug/ml



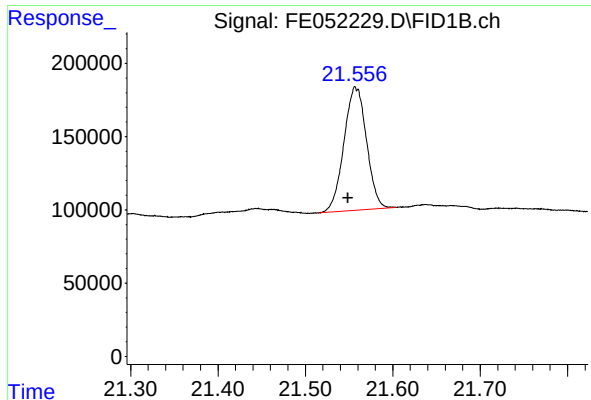
#19 n-Tetratriacontane (C34)

R.T.: 20.008 min  
Delta R.T.: 0.008 min  
Response: 1750364  
Conc: 18.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.746 min  
Delta R.T.: 0.008 min  
Response: 1625104  
Conc: 19.67 ug/ml



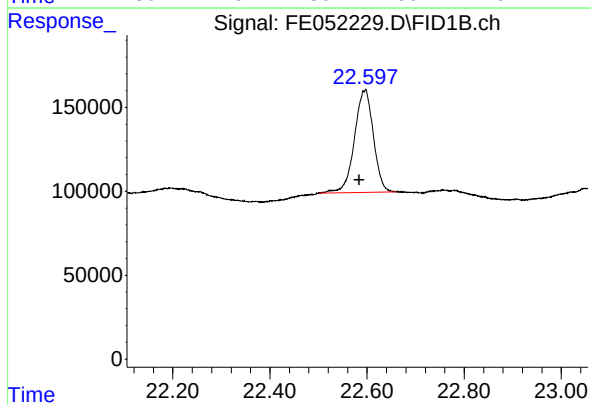
#21 n-Octatriacontane (C38)

R.T.: 21.556 min  
Delta R.T.: 0.007 min  
Response: 1510481  
Conc: 20.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.596 min  
Delta R.T.: 0.012 min  
Response: 1653301  
Conc: 22.18 ug/ml