

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE091724AL\  
 Data File : FE050148.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Sep 2024 14:13  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/18/2024  
 Supervised By :Ankita Jodhani 09/18/2024

Integration File: autoint1.e  
 Quant Time: Sep 18 01:27:13 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 091024.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:11:47 2024  
 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)    | 11.874 | 2808227    | 18.875 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.75%        |
| 12) S 1-chlorooctadecane (S... | 13.309 | 2105804    | 18.747 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.49%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.262  | 2511977    | 18.532 ug/mlm |
| 2) T n-Decane (C10)            | 4.513  | 2572034    | 18.636 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.223  | 2646156    | 18.905 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.681  | 2576539    | 18.632 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.319  | 2484312    | 18.901 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.508  | 2550866    | 18.733 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.114 | 2619990    | 18.862 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.555 | 2648464    | 18.904 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.863 | 2536150    | 18.906 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.475 | 2496216    | 18.997 ug/ml  |
| 13) T n-Docosane (C22)         | 14.059 | 2468477    | 18.957 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.161 | 2472188    | 18.931 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.181 | 2435332    | 19.035 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.130 | 2474678    | 19.212 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.017 | 2644227    | 19.774 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.848 | 2695667    | 20.229 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.632 | 2506539    | 20.286 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.371 | 2263766    | 20.403 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.096 | 2153672    | 19.529 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.987 | 1996958    | 18.352 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 17 Sep 2024 14:13  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

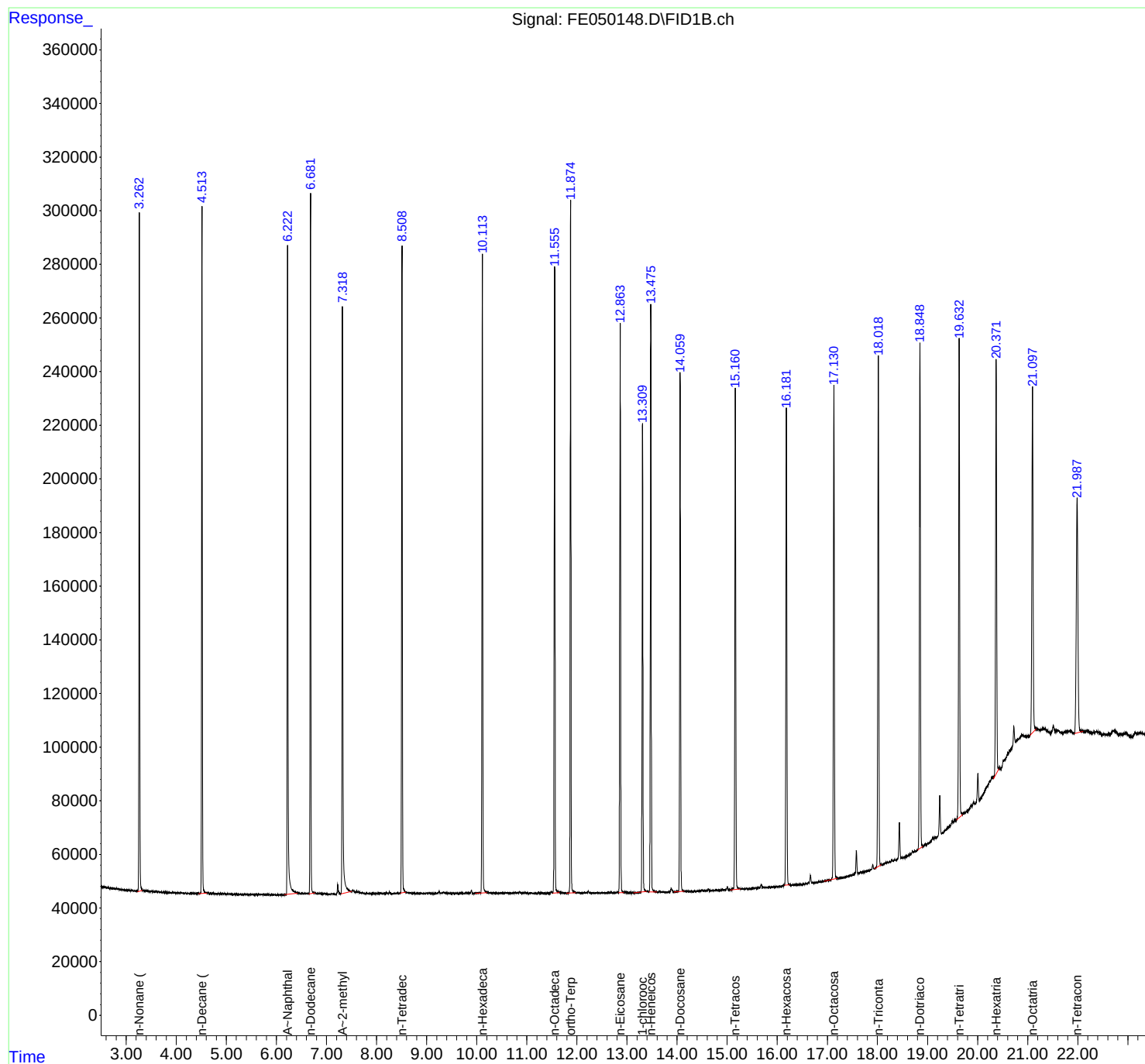
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

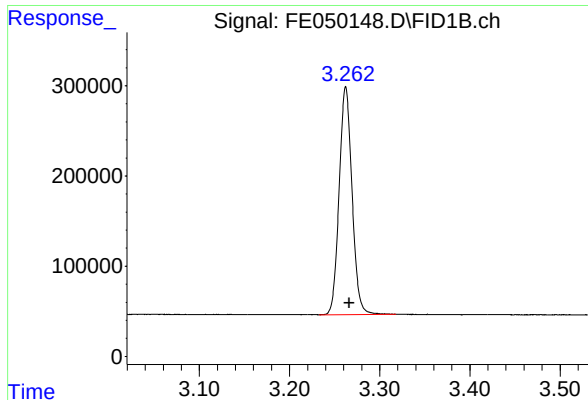
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Quant Time: Sep 18 01:27:13 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 091024.  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
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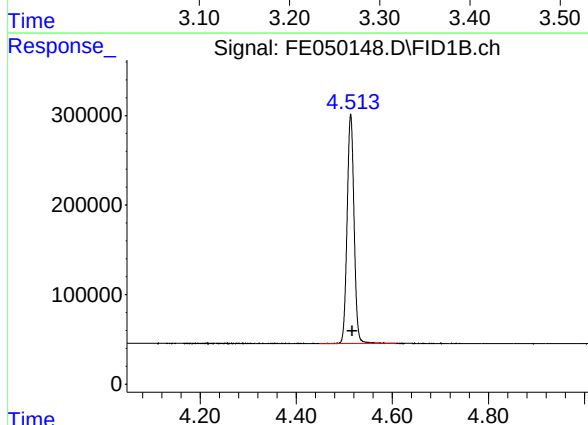
#1 n-Nonane (C9)

R.T.: 3.262 min  
Delta R.T.: -0.004 min  
Response: 2511977  
Conc: 18.53 ug/ml

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

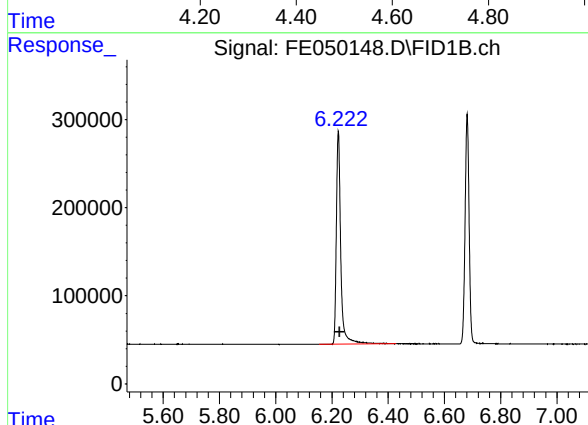
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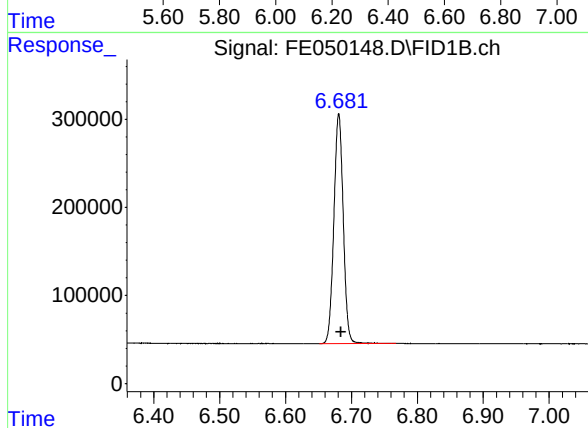
#2 n-Decane (C10)

R.T.: 4.513 min  
Delta R.T.: -0.003 min  
Response: 2572034  
Conc: 18.64 ug/ml



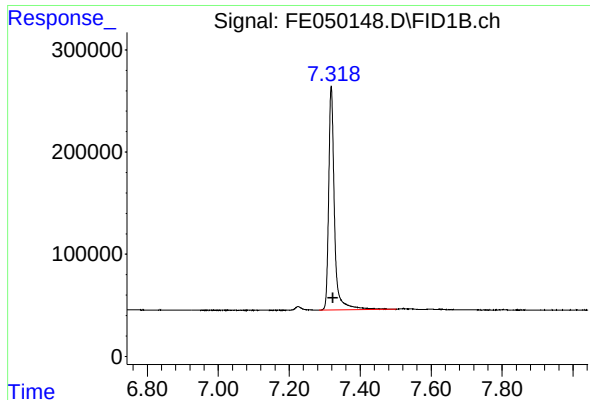
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min  
Delta R.T.: -0.004 min  
Response: 2646156  
Conc: 18.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.681 min  
Delta R.T.: -0.003 min  
Response: 2576539  
Conc: 18.63 ug/ml



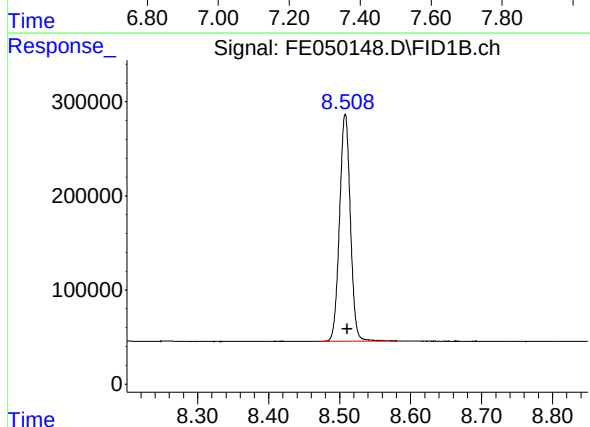
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min  
Delta R.T.: -0.004 min  
Response: 2484312  
Conc: 18.90 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

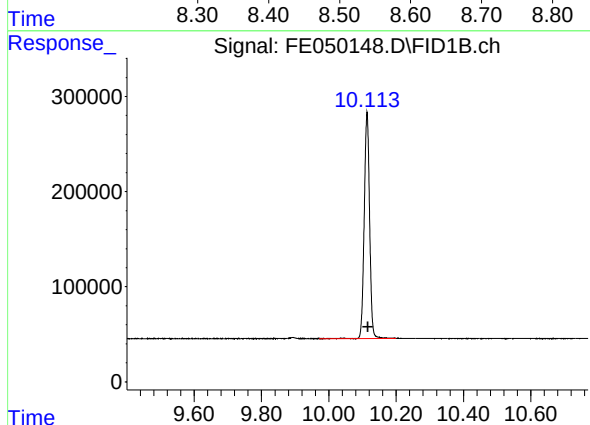
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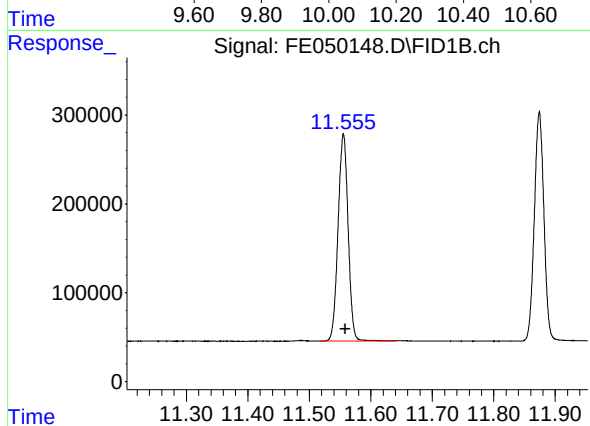
#6 n-Tetradecane (C14)

R.T.: 8.508 min  
Delta R.T.: -0.003 min  
Response: 2550866  
Conc: 18.73 ug/ml



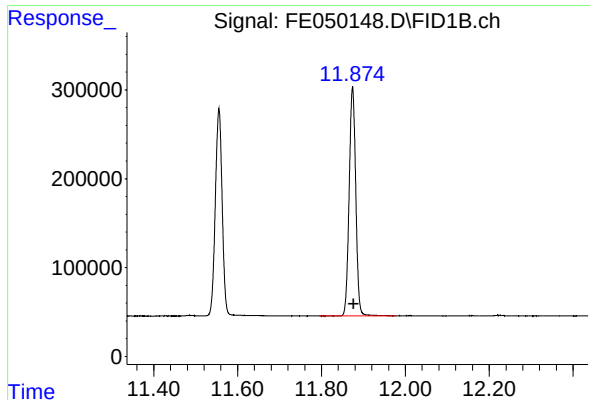
#7 n-Hexadecane (C16)

R.T.: 10.114 min  
Delta R.T.: -0.003 min  
Response: 2619990  
Conc: 18.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.555 min  
Delta R.T.: -0.003 min  
Response: 2648464  
Conc: 18.90 ug/ml



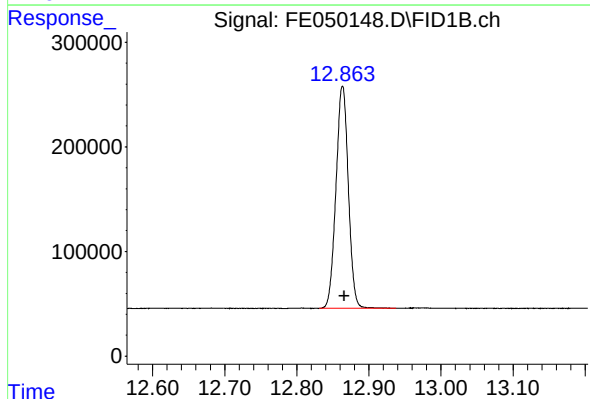
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min  
Delta R.T.: -0.002 min  
Response: 2808227  
Conc: 18.88 ug/ml

Instrument :  
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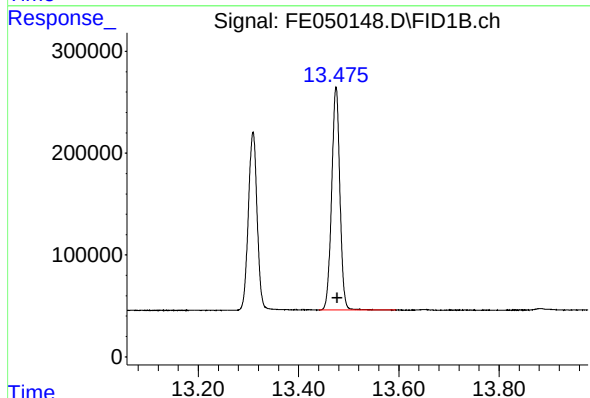
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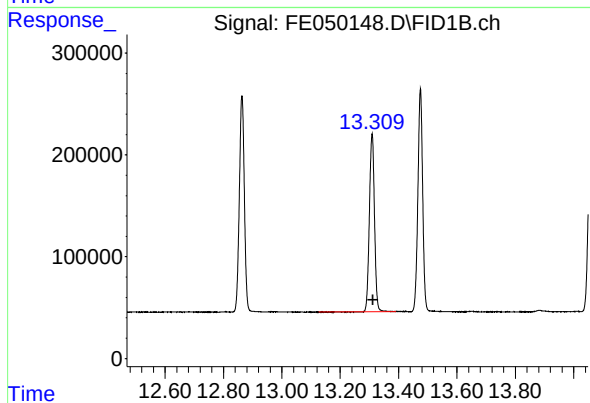
#10 n-Eicosane (C20)

R.T.: 12.863 min  
Delta R.T.: -0.002 min  
Response: 2536150  
Conc: 18.91 ug/ml



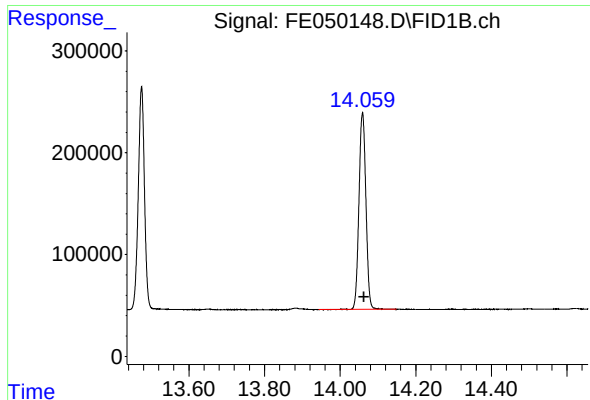
#11 n-Heneicosane (C21)

R.T.: 13.475 min  
Delta R.T.: -0.003 min  
Response: 2496216  
Conc: 19.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min  
Delta R.T.: -0.002 min  
Response: 2105804  
Conc: 18.75 ug/ml



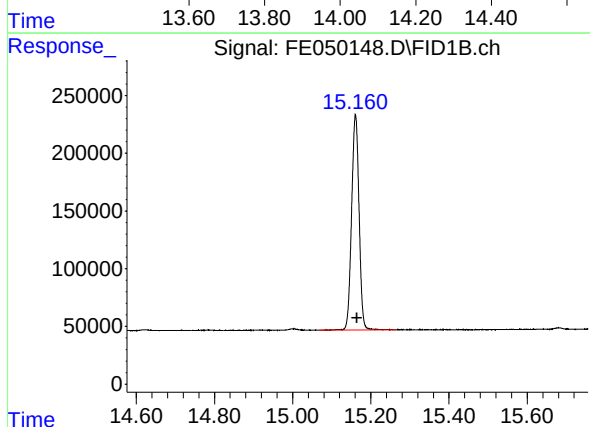
#13 n-Docosane (C22)

R.T.: 14.059 min  
Delta R.T.: -0.004 min  
Response: 2468477  
Conc: 18.96 ug/ml

Instrument :  
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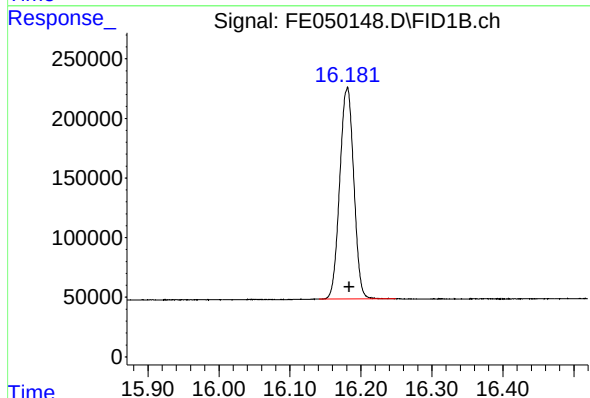
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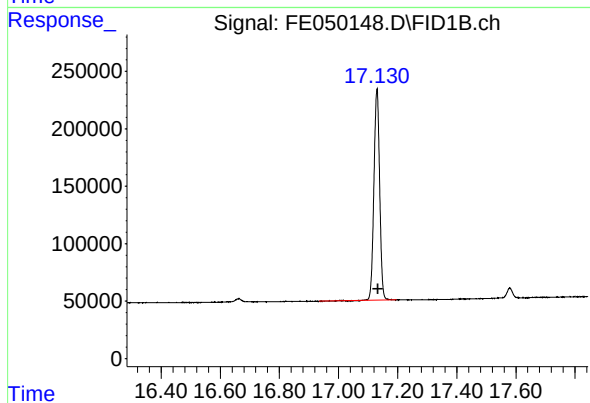
#14 n-Tetracosane (C24)

R.T.: 15.161 min  
Delta R.T.: -0.003 min  
Response: 2472188  
Conc: 18.93 ug/ml



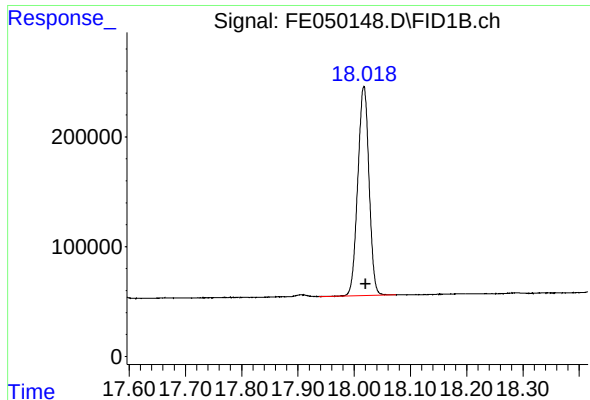
#15 n-Hexacosane (C26)

R.T.: 16.181 min  
Delta R.T.: -0.003 min  
Response: 2435332  
Conc: 19.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min  
Delta R.T.: -0.003 min  
Response: 2474678  
Conc: 19.21 ug/ml



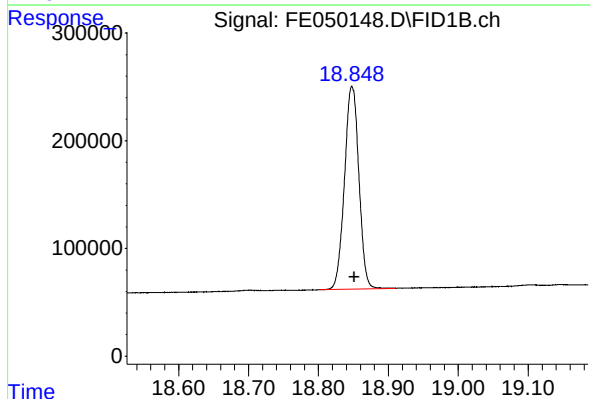
#17 n-Tricontane (C30)

R.T.: 18.017 min  
Delta R.T.: -0.003 min  
Response: 2644227  
Conc: 19.77 ug/ml

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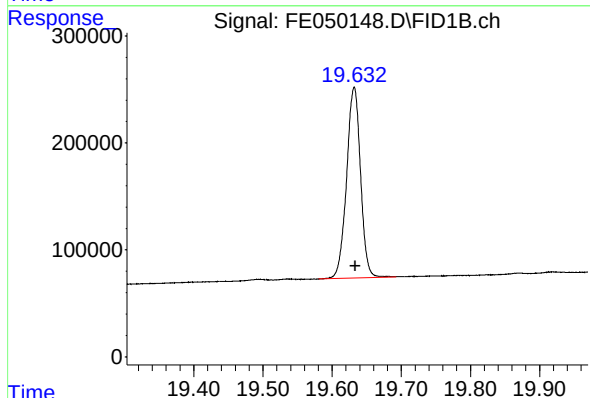
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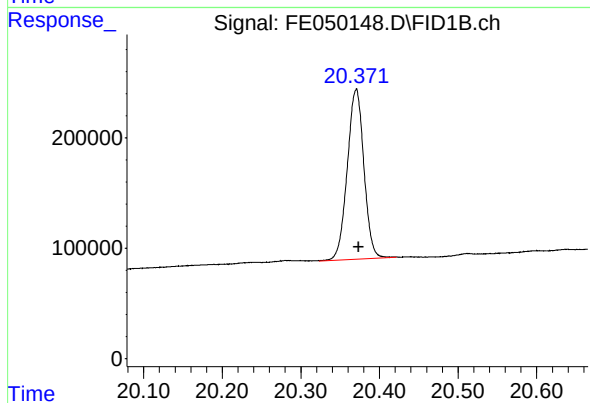
#18 n-Dotriacontane (C32)

R.T.: 18.848 min  
Delta R.T.: -0.003 min  
Response: 2695667  
Conc: 20.23 ug/ml



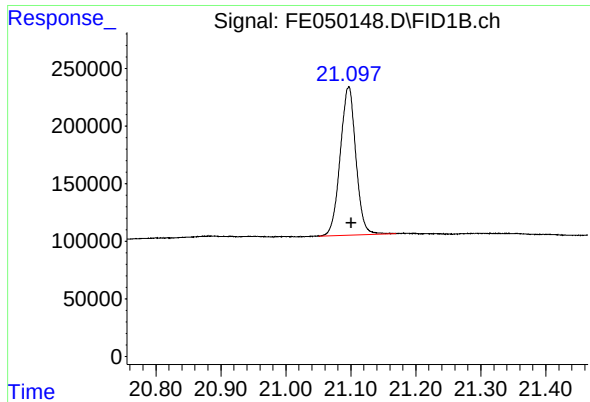
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min  
Delta R.T.: -0.002 min  
Response: 2506539  
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min  
Delta R.T.: -0.003 min  
Response: 2263766  
Conc: 20.40 ug/ml m



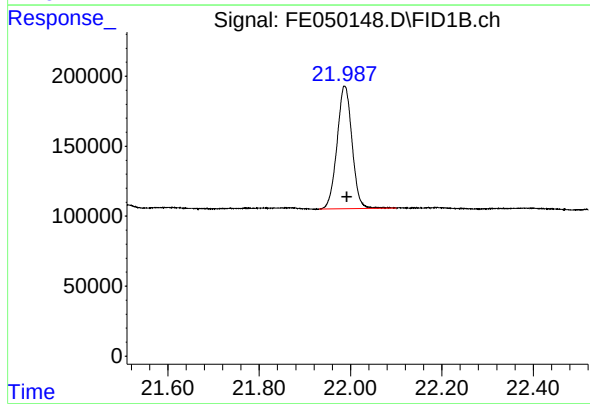
#21 n-Octatriacontane (C38)

R.T.: 21.096 min  
Delta R.T.: -0.004 min  
Response: 2153672  
Conc: 19.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min  
Delta R.T.: -0.005 min  
Response: 1996958  
Conc: 18.35 ug/ml