

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE020625AL\  
 Data File : FE052264.D  
 Signal(s) : FID1B.ch  
 Acq On : 06 Feb 2025 14:00  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/07/2025  
 Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e  
 Quant Time: Feb 07 05:21:44 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)    | 12.314 | 2389210    | 19.304 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.61%        |
| 12) S 1-chlorooctadecane (S... | 13.725 | 1868063    | 18.928 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.86%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.778  | 1787520    | 19.138 ug/ml  |
| 2) T n-Decane (C10)            | 5.006  | 1887850    | 19.659 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.710  | 2133811    | 19.966 ug/ml  |
| 4) T n-Dodecane (C12)          | 7.136  | 1955559    | 19.730 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.791  | 2092179    | 19.976 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.945  | 1992821    | 19.748 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.541 | 2116006    | 19.500 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.975 | 2184473    | 19.229 ug/ml  |
| 10) T n-Eicosane (C20)         | 13.278 | 2146038    | 19.016 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.887 | 2128949    | 18.905 ug/ml  |
| 13) T n-Docosane (C22)         | 14.470 | 2128302    | 18.803 ug/mlm |
| 14) T n-Tetracosane (C24)      | 15.569 | 2147212    | 18.675 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.585 | 2113906    | 18.433 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.531 | 2095710    | 18.522 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.415 | 2158980    | 18.947 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 19.245 | 2095026    | 19.216 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 20.025 | 1805699    | 19.033 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.762 | 1543577    | 18.681 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.578 | 1454220    | 19.575 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.622 | 1574107    | 21.113 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 : 3 Sample Multiplier: 1

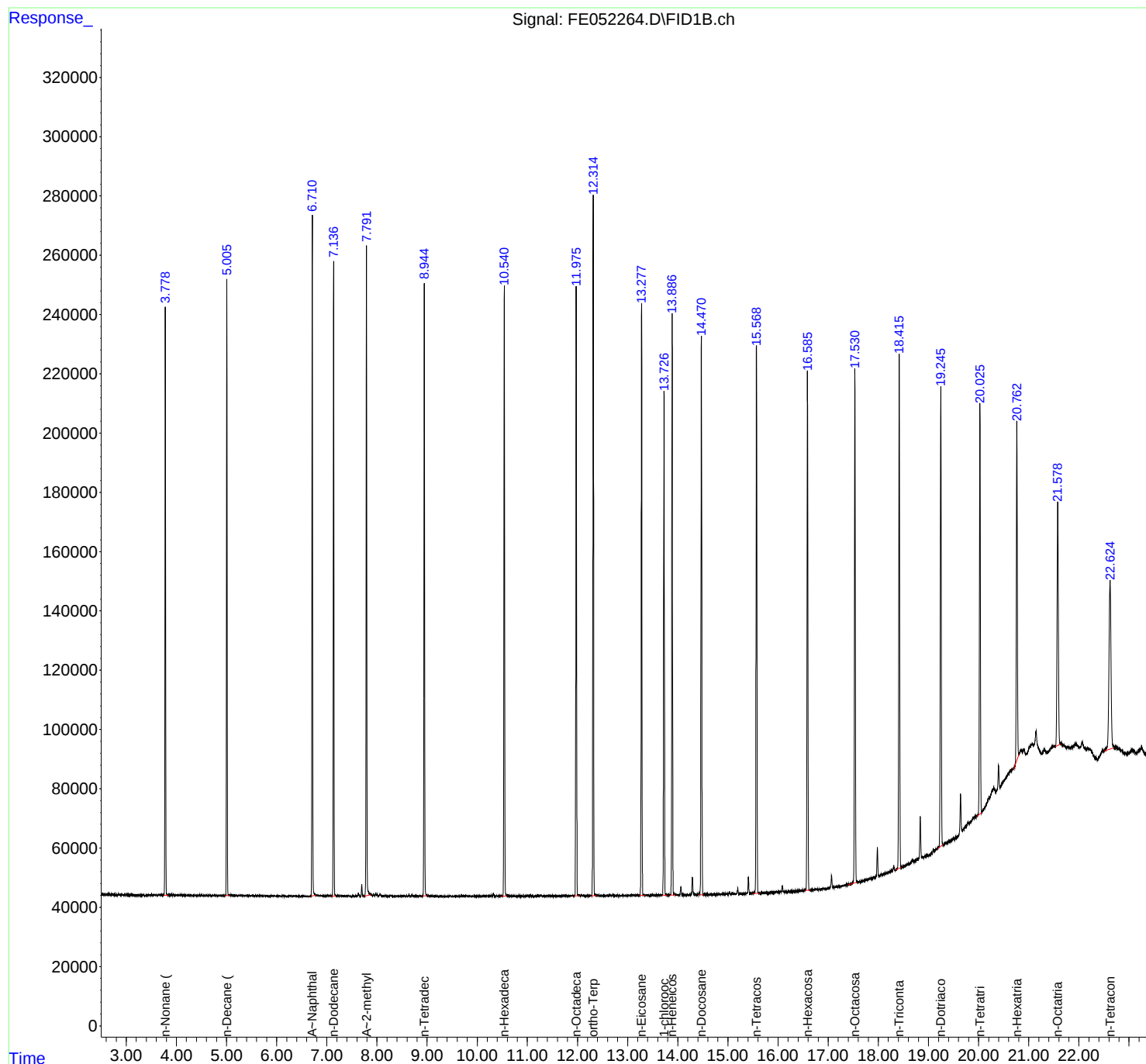
Instrument :  
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20 PPM ALIPHATIC HC STD

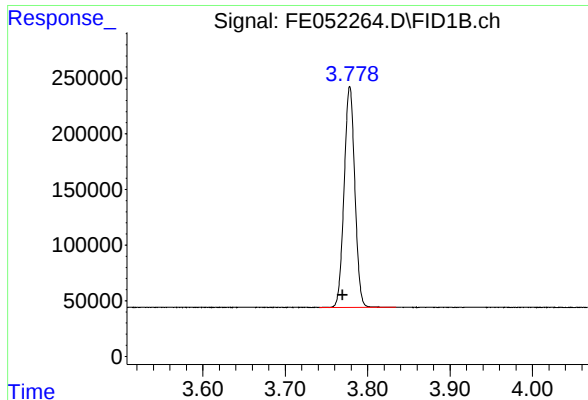
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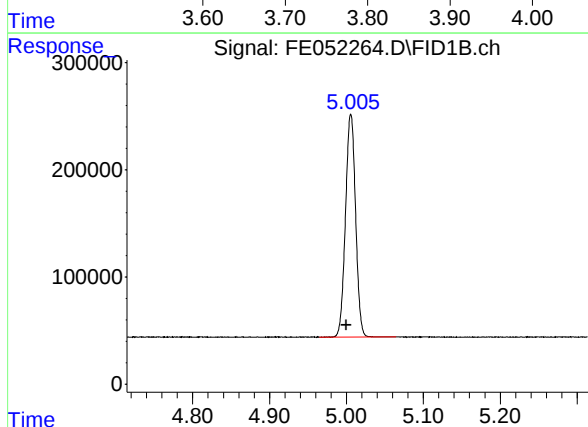
#1 n-Nonane (C9)

R.T.: 3.778 min  
Delta R.T.: 0.008 min  
Response: 1787520  
Conc: 19.14 ug/ml

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

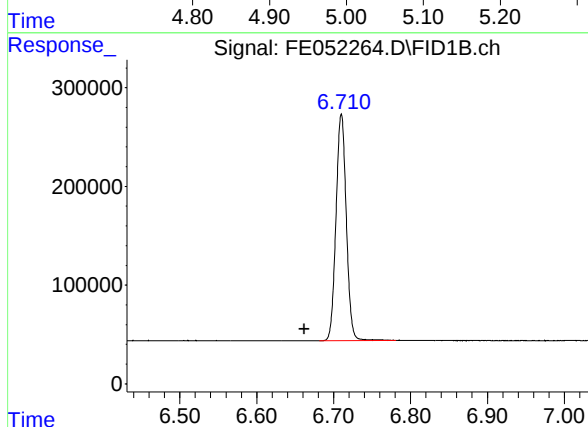
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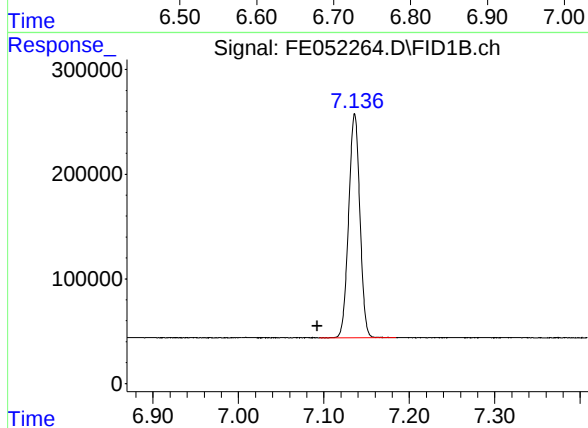
#2 n-Decane (C10)

R.T.: 5.006 min  
Delta R.T.: 0.006 min  
Response: 1887850  
Conc: 19.66 ug/ml



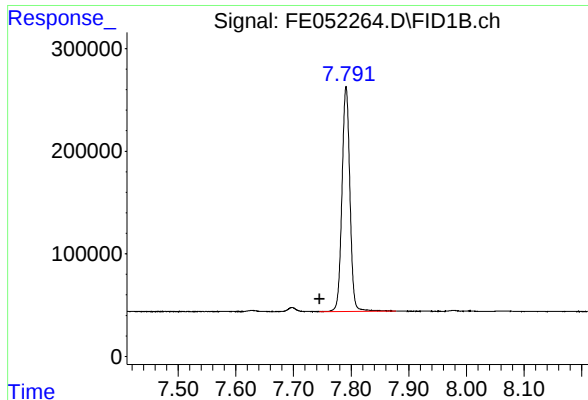
#3 A~Naphthalene (C11.7)

R.T.: 6.710 min  
Delta R.T.: 0.048 min  
Response: 2133811  
Conc: 19.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.136 min  
Delta R.T.: 0.044 min  
Response: 1955559  
Conc: 19.73 ug/ml



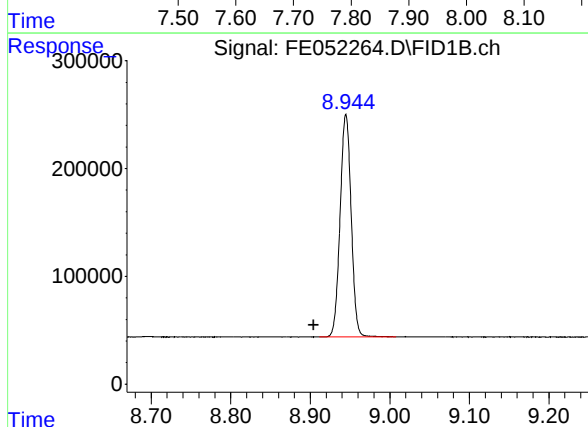
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.791 min  
Delta R.T.: 0.046 min  
Response: 2092179  
Conc: 19.98 ug/ml

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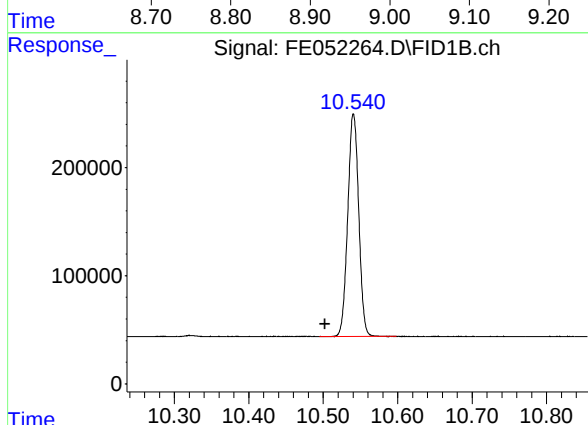
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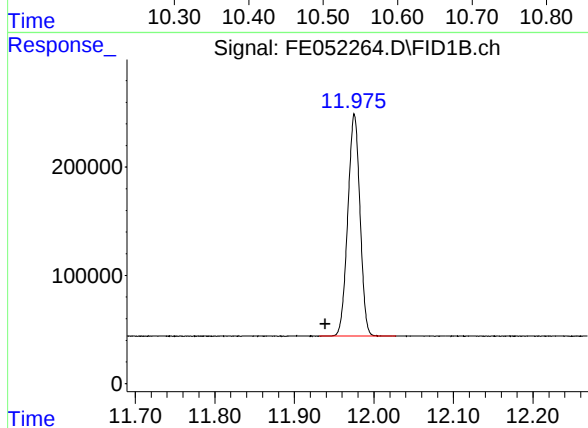
#6 n-Tetradecane (C14)

R.T.: 8.945 min  
Delta R.T.: 0.040 min  
Response: 1992821  
Conc: 19.75 ug/ml



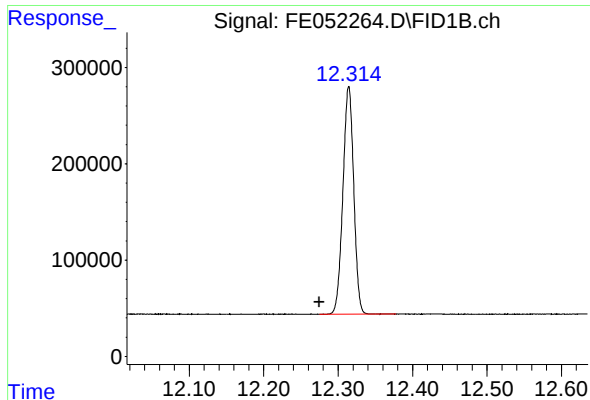
#7 n-Hexadecane (C16)

R.T.: 10.541 min  
Delta R.T.: 0.039 min  
Response: 2116006  
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.975 min  
Delta R.T.: 0.036 min  
Response: 2184473  
Conc: 19.23 ug/ml



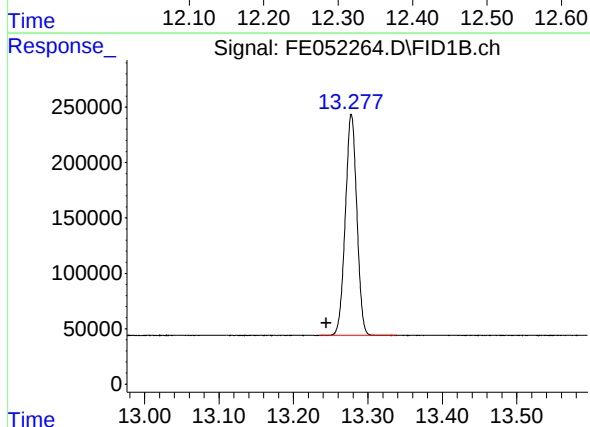
#9 ortho-Terphenyl (SURR)

R.T.: 12.314 min  
Delta R.T.: 0.040 min  
Response: 2389210  
Conc: 19.30 ug/ml

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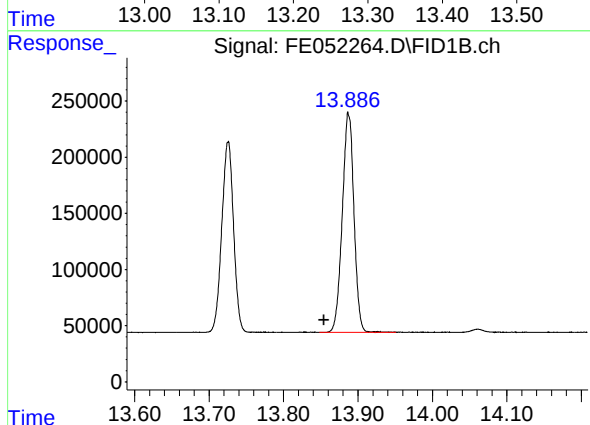
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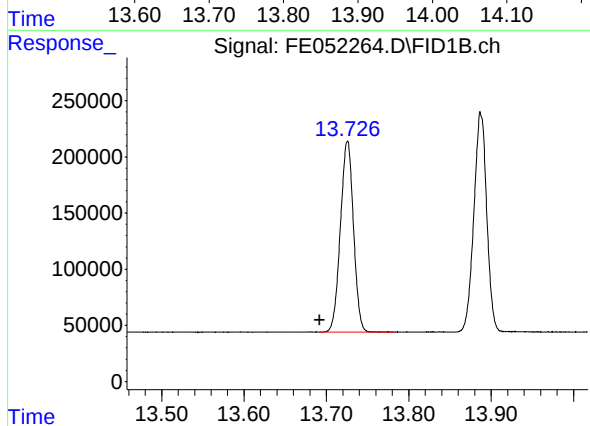
#10 n-Eicosane (C20)

R.T.: 13.278 min  
Delta R.T.: 0.034 min  
Response: 2146038  
Conc: 19.02 ug/ml



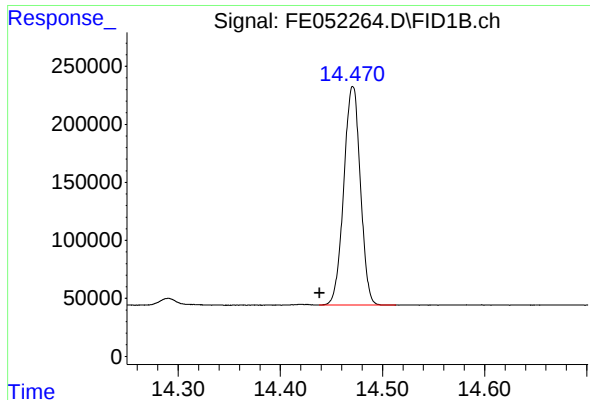
#11 n-Heneicosane (C21)

R.T.: 13.887 min  
Delta R.T.: 0.033 min  
Response: 2128949  
Conc: 18.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.725 min  
Delta R.T.: 0.034 min  
Response: 1868063  
Conc: 18.93 ug/ml



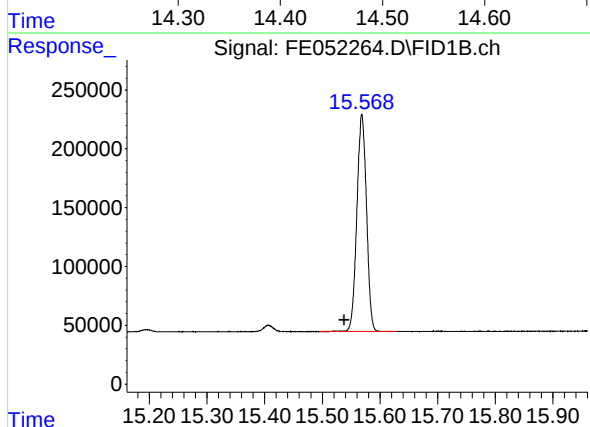
#13 n-Docosane (C22)

R.T.: 14.470 min  
Delta R.T.: 0.032 min  
Response: 2128302  
Conc: 18.80 ug/ml

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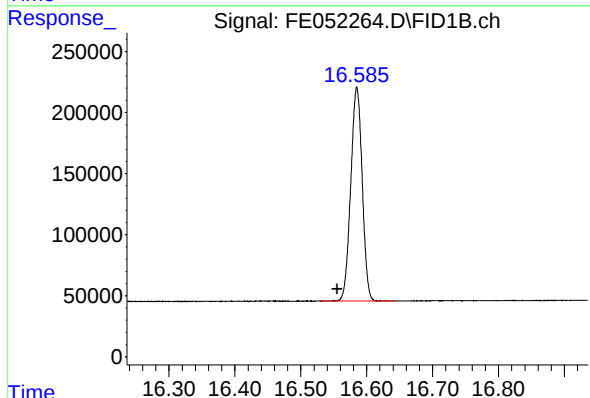
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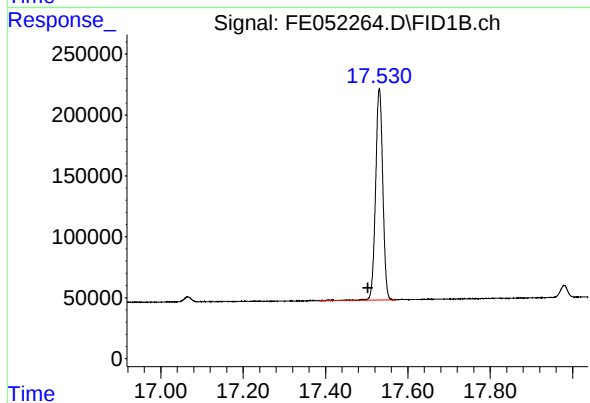
#14 n-Tetracosane (C24)

R.T.: 15.569 min  
Delta R.T.: 0.031 min  
Response: 2147212  
Conc: 18.67 ug/ml



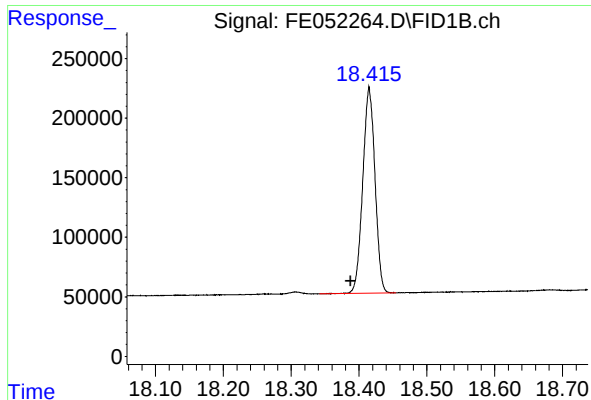
#15 n-Hexacosane (C26)

R.T.: 16.585 min  
Delta R.T.: 0.030 min  
Response: 2113906  
Conc: 18.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.531 min  
Delta R.T.: 0.027 min  
Response: 2095710  
Conc: 18.52 ug/ml



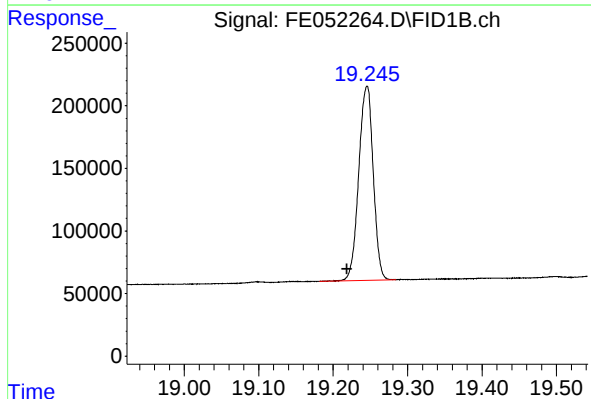
#17 n-Tricontane (C30)

R.T.: 18.415 min  
Delta R.T.: 0.027 min  
Response: 2158980  
Conc: 18.95 ug/ml

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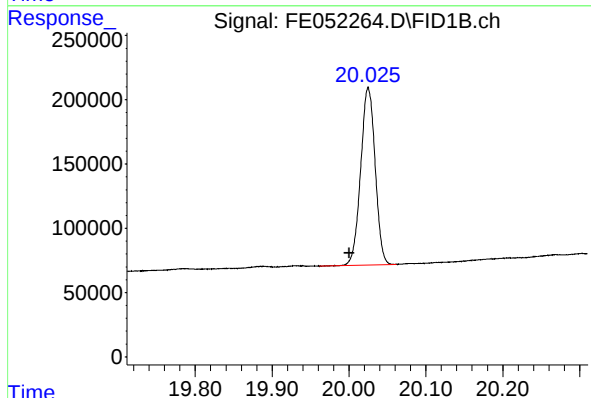
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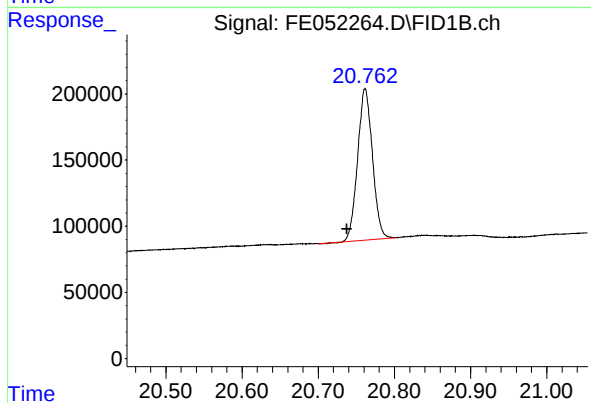
#18 n-Dotriacontane (C32)

R.T.: 19.245 min  
Delta R.T.: 0.027 min  
Response: 2095026  
Conc: 19.22 ug/ml



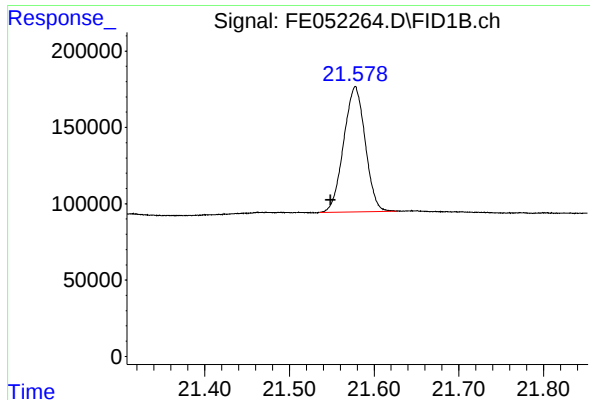
#19 n-Tetratriacontane (C34)

R.T.: 20.025 min  
Delta R.T.: 0.025 min  
Response: 1805699  
Conc: 19.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.762 min  
Delta R.T.: 0.024 min  
Response: 1543577  
Conc: 18.68 ug/ml



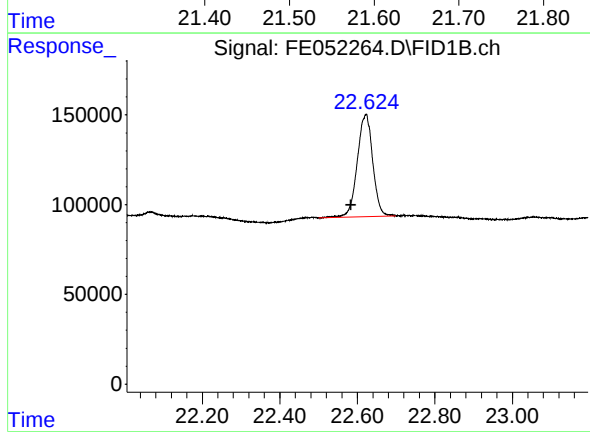
#21 n-Octatriacontane (C38)

R.T.: 21.578 min  
Delta R.T.: 0.029 min  
Response: 1454220  
Conc: 19.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.622 min  
Delta R.T.: 0.038 min  
Response: 1574107  
Conc: 21.11 ug/ml