

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102822AL\  
 Data File : FE038441.D  
 Signal(s) : FID1B.ch  
 Acq On : 29 Oct 2022 21:55  
 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 10/31/2022  
 Supervised By :Ankita Jodhani 10/31/2022

Integration File: autoint1.e  
 Quant Time: Oct 30 00:40:35 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 102522.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Oct 26 04:49:29 2022  
 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)    | 11.968 | 3424697    | 19.903 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.81%        |
| 12) S 1-chlorooctadecane (S... | 13.401 | 2688740    | 19.640 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.28%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.368  | 3282734    | 21.315 ug/ml  |
| 2) T n-Decane (C10)            | 4.615  | 3303194    | 21.280 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.316  | 3536654    | 20.883 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.776  | 3310250    | 21.190 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.409  | 3452924    | 20.604 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.601  | 3288123    | 21.025 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.207 | 3283222    | 20.781 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.647 | 3274528    | 20.443 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.956 | 3226624    | 20.025 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.566 | 3198816    | 19.803 ug/ml  |
| 13) T n-Docosane (C22)         | 14.152 | 3159524    | 19.571 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.253 | 3077388    | 19.186 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.272 | 2991378    | 18.833 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.221 | 2914145    | 18.574 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.107 | 2942636    | 18.442 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.937 | 2960599    | 18.777 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.719 | 2860949    | 19.406 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.459 | 2874075    | 20.115 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.200 | 2894573    | 21.431 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.127 | 2955610    | 23.415 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 29 Oct 2022 21:55  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

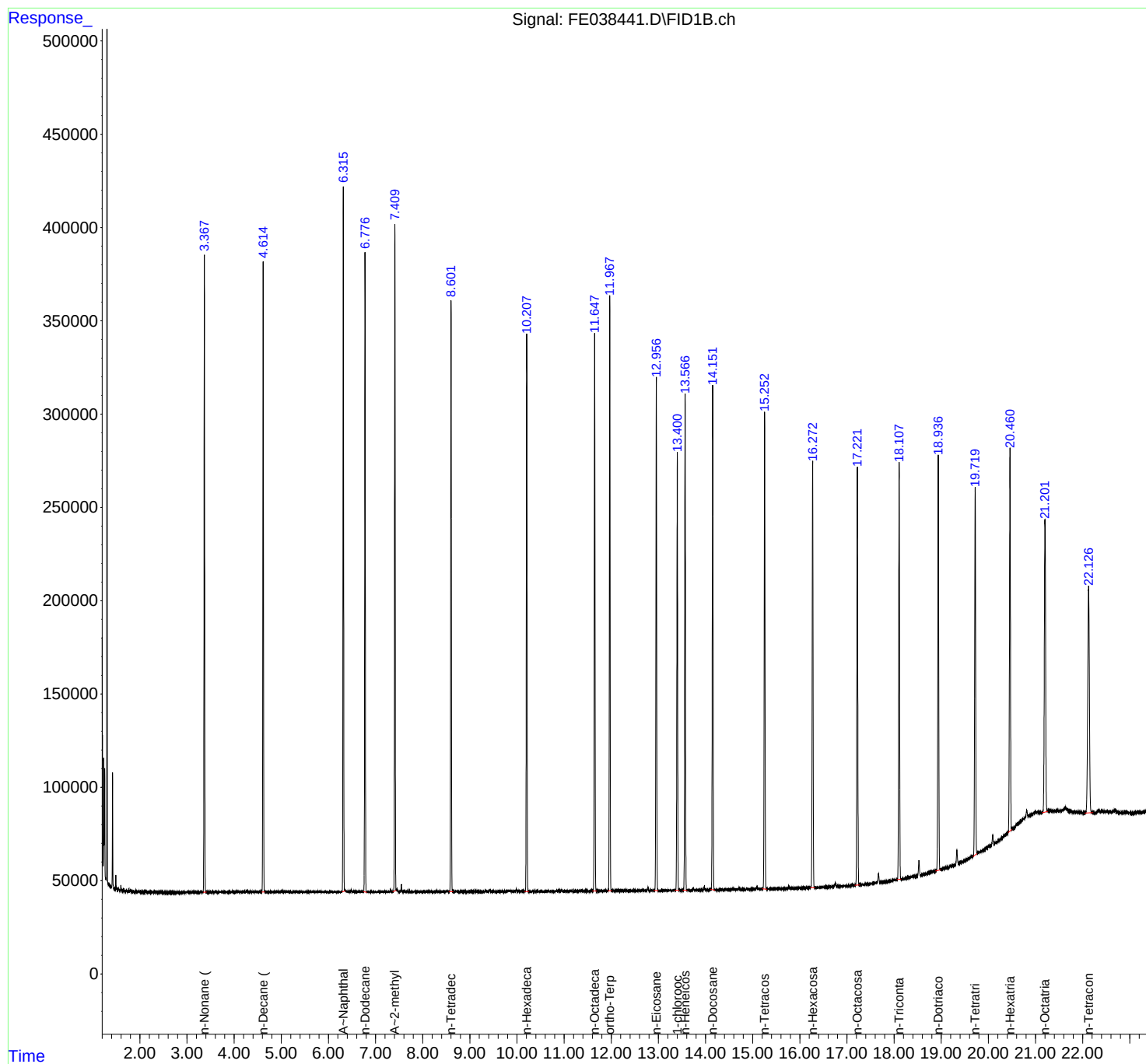
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

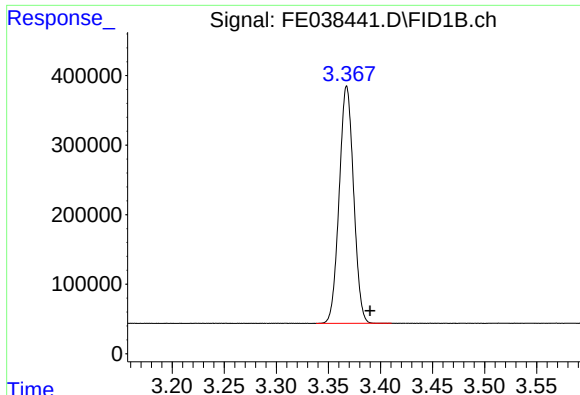
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Integration File: autoint1.e  
Quant Time: Oct 30 00:40:35 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 102522.M  
Quant Title : GC Extractables  
QLast Update : Wed Oct 26 04:49:29 2022  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
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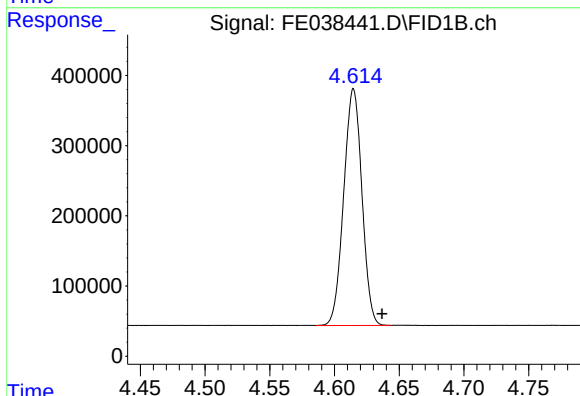
#1 n-Nonane (C9)

R.T.: 3.368 min  
Delta R.T.: -0.022 min  
Response: 3282734  
Conc: 21.31 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

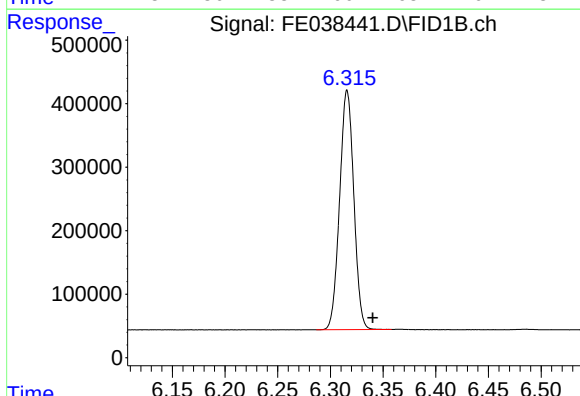
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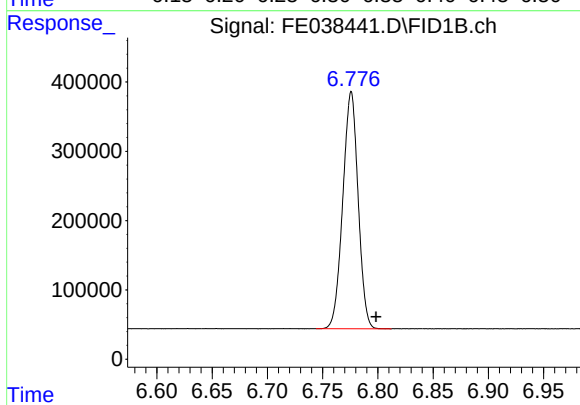
#2 n-Decane (C10)

R.T.: 4.615 min  
Delta R.T.: -0.022 min  
Response: 3303194  
Conc: 21.28 ug/ml



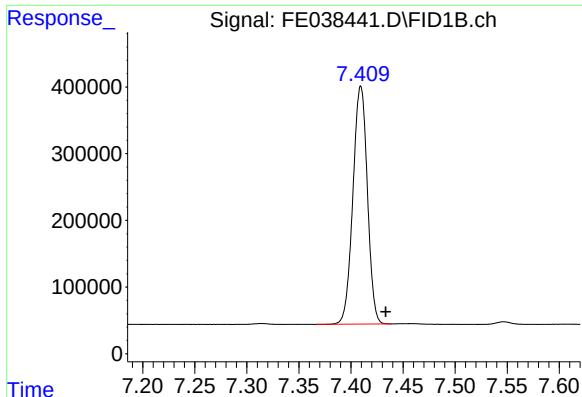
#3 A~Naphthalene (C11.7)

R.T.: 6.316 min  
Delta R.T.: -0.024 min  
Response: 3536654  
Conc: 20.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.776 min  
Delta R.T.: -0.022 min  
Response: 3310250  
Conc: 21.19 ug/ml



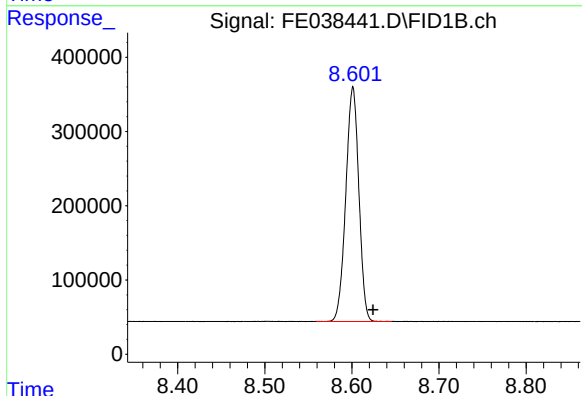
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.409 min  
Delta R.T.: -0.024 min  
Response: 3452924  
Conc: 20.60 ug/ml

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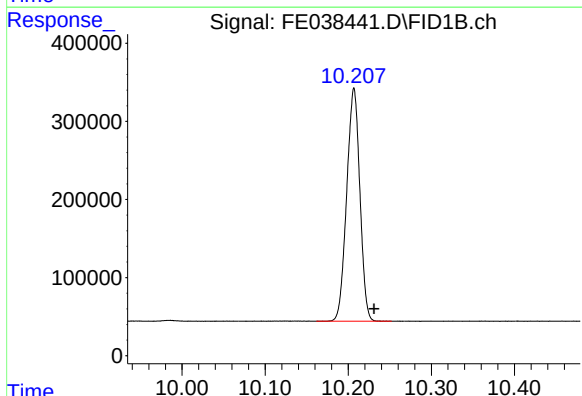
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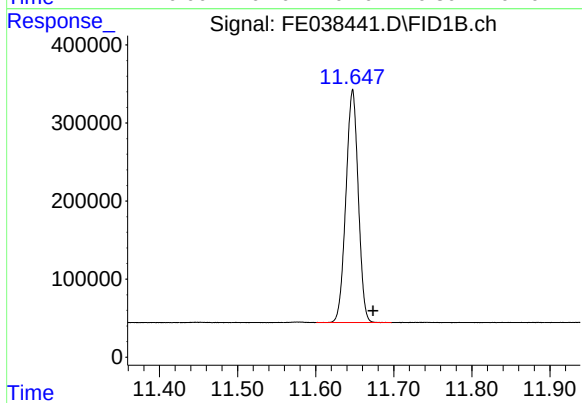
#6 n-Tetradecane (C14)

R.T.: 8.601 min  
Delta R.T.: -0.023 min  
Response: 3288123  
Conc: 21.03 ug/ml



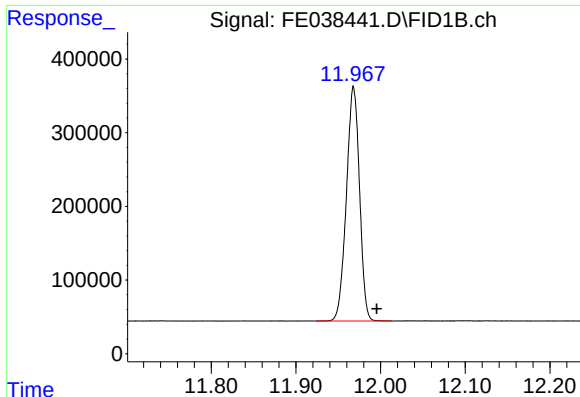
#7 n-Hexadecane (C16)

R.T.: 10.207 min  
Delta R.T.: -0.024 min  
Response: 3283222  
Conc: 20.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.647 min  
Delta R.T.: -0.026 min  
Response: 3274528  
Conc: 20.44 ug/ml



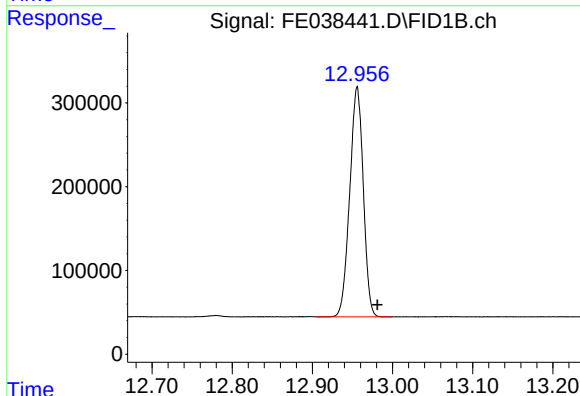
#9 ortho-Terphenyl (SURR)

R.T.: 11.968 min  
Delta R.T.: -0.027 min  
Response: 3424697  
Conc: 19.90 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

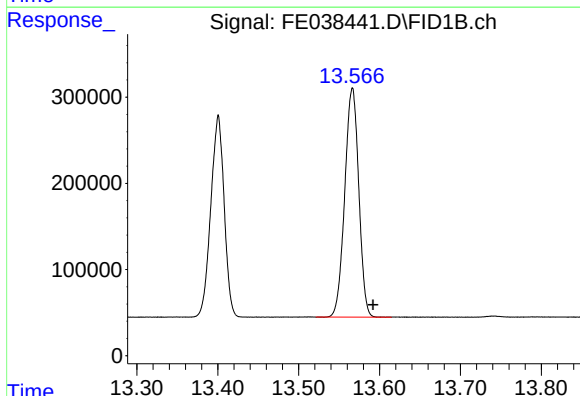
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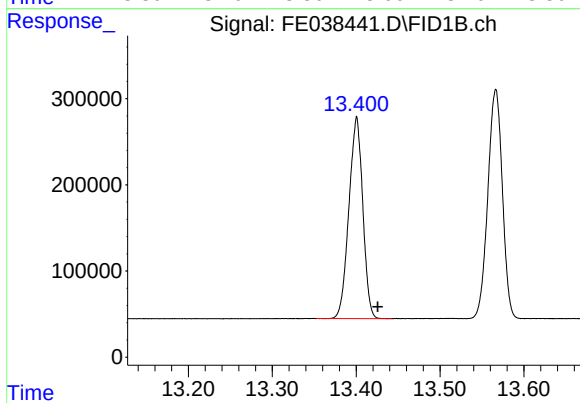
#10 n-Eicosane (C20)

R.T.: 12.956 min  
Delta R.T.: -0.025 min  
Response: 3226624  
Conc: 20.03 ug/ml



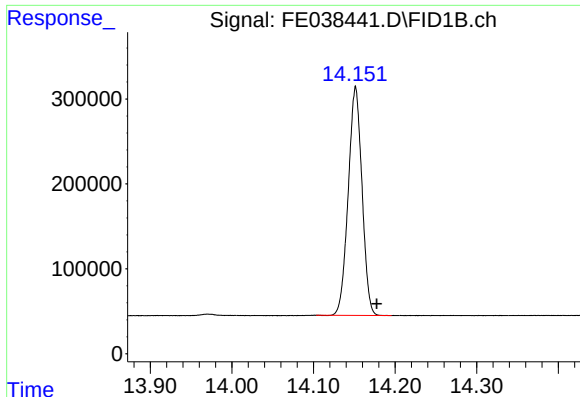
#11 n-Heneicosane (C21)

R.T.: 13.566 min  
Delta R.T.: -0.026 min  
Response: 3198816  
Conc: 19.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.401 min  
Delta R.T.: -0.025 min  
Response: 2688740  
Conc: 19.64 ug/ml



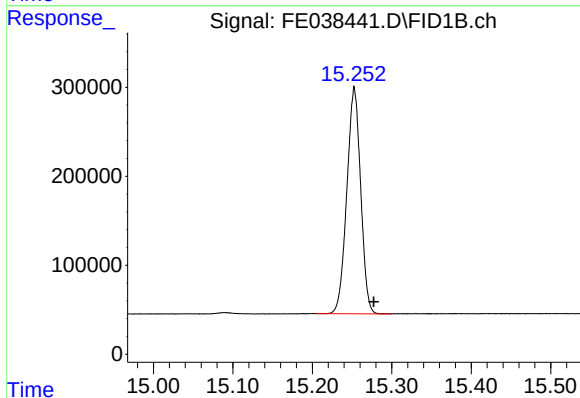
#13 n-Docosane (C22)

R.T.: 14.152 min  
Delta R.T.: -0.026 min  
Response: 3159524  
Conc: 19.57 ug/ml

Instrument :  
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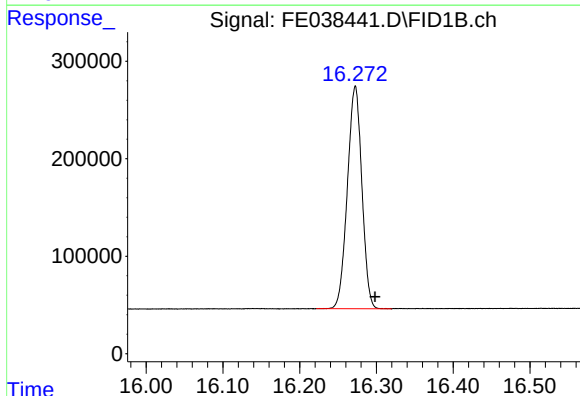
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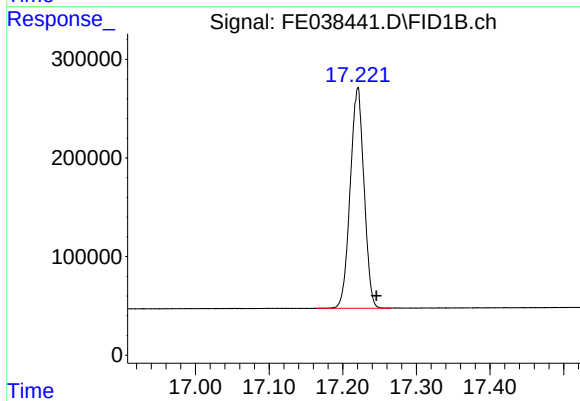
#14 n-Tetracosane (C24)

R.T.: 15.253 min  
Delta R.T.: -0.024 min  
Response: 3077388  
Conc: 19.19 ug/ml



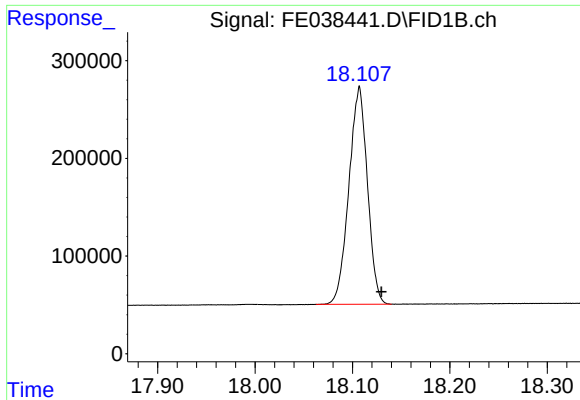
#15 n-Hexacosane (C26)

R.T.: 16.272 min  
Delta R.T.: -0.026 min  
Response: 2991378  
Conc: 18.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.221 min  
Delta R.T.: -0.025 min  
Response: 2914145  
Conc: 18.57 ug/ml



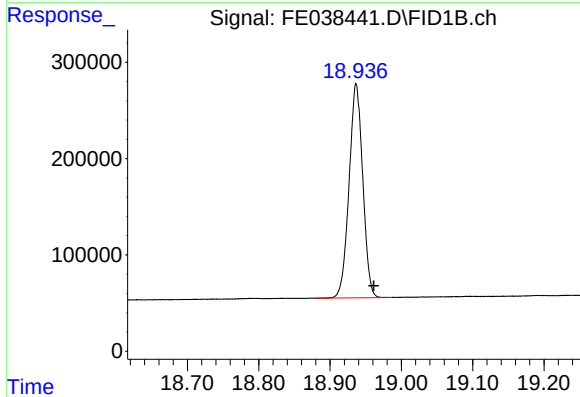
#17 n-Tricontane (C30)

R.T.: 18.107 min  
Delta R.T.: -0.023 min  
Response: 2942636  
Conc: 18.44 ug/ml

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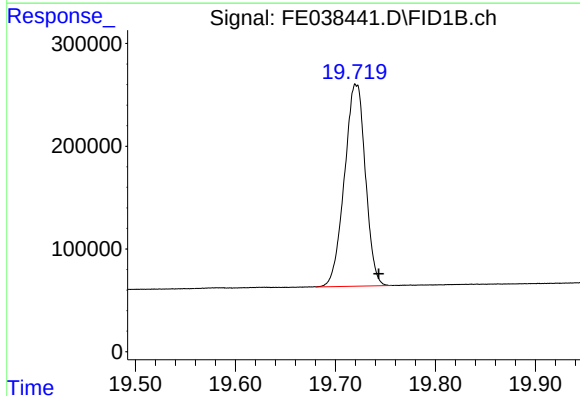
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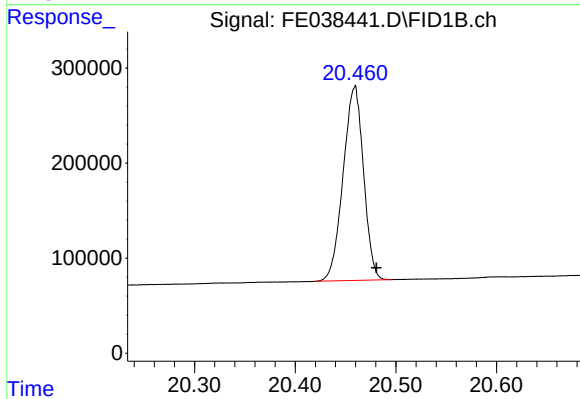
#18 n-Dotriacontane (C32)

R.T.: 18.937 min  
Delta R.T.: -0.025 min  
Response: 2960599  
Conc: 18.78 ug/ml



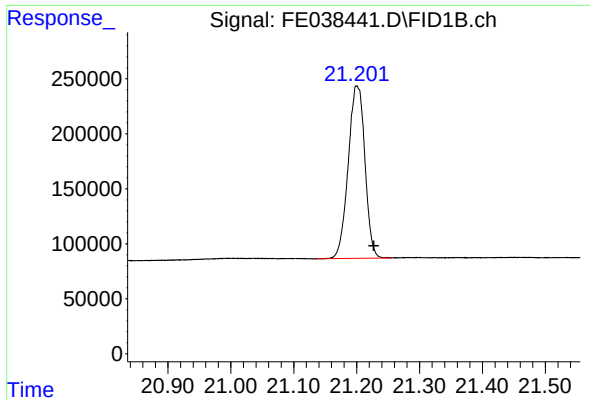
#19 n-Tetratriacontane (C34)

R.T.: 19.719 min  
Delta R.T.: -0.024 min  
Response: 2860949  
Conc: 19.41 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.459 min  
Delta R.T.: -0.021 min  
Response: 2874075  
Conc: 20.11 ug/ml



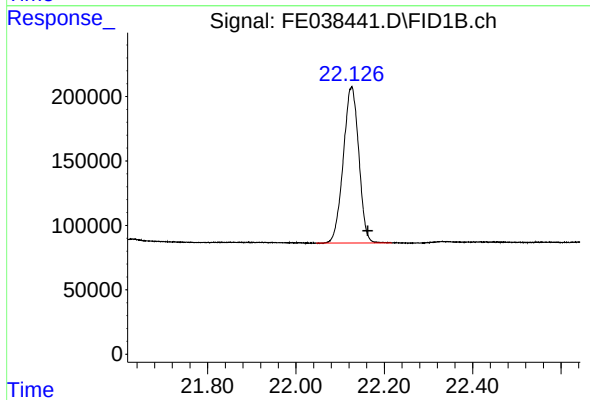
#21 n-Octatriacontane (C38)

R.T.: 21.200 min  
Delta R.T.: -0.027 min  
Response: 2894573  
Conc: 21.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.127 min  
Delta R.T.: -0.036 min  
Response: 2955610  
Conc: 23.41 ug/ml