

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC050323AL\  
 Data File : FC063542.D  
 Signal(s) : FID1A.ch  
 Acq On : 04 May 2023 02:57  
 Operator : YP/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  
 APPROVED

Reviewed By :Yogesh Patel 05/04/2023  
 Supervised By :Ankita Jodhani 05/04/2023

Integration File: autoint1.e  
 Quant Time: May 04 05:29:38 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 050223.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 03 00:33:18 2023  
 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)    | 11.532 | 3455208    | 21.833 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 43.67%        |
| 12) S 1-chlorooctadecane (S... | 12.968 | 2527558    | 23.403 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 46.81%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.297  | 2940976    | 22.321 ug/ml  |
| 2) T n-Decane (C10)            | 4.365  | 2985307    | 22.499 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.949  | 3151313    | 23.115 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.383  | 2992528    | 22.583 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.007  | 3015037    | 23.534 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.178  | 2944965    | 22.941 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.778  | 3010285    | 22.671 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.216 | 3121575    | 22.925 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.525 | 3003635    | 22.848 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.135 | 2892776    | 22.331 ug/ml  |
| 13) T n-Docosane (C22)         | 13.720 | 2856424    | 22.138 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.822 | 2899177    | 22.167 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.840 | 2927184    | 22.718 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.788 | 2855668    | 22.434 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.673 | 2851582    | 21.915 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.504 | 2828409    | 21.950 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.283 | 2904190    | 23.175 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.019 | 2581991    | 21.805 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.749 | 2448220    | 20.951 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.642 | 2085909    | 18.395 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
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Misc :  
ALS Vial : 2 Sample Multiplier: 1

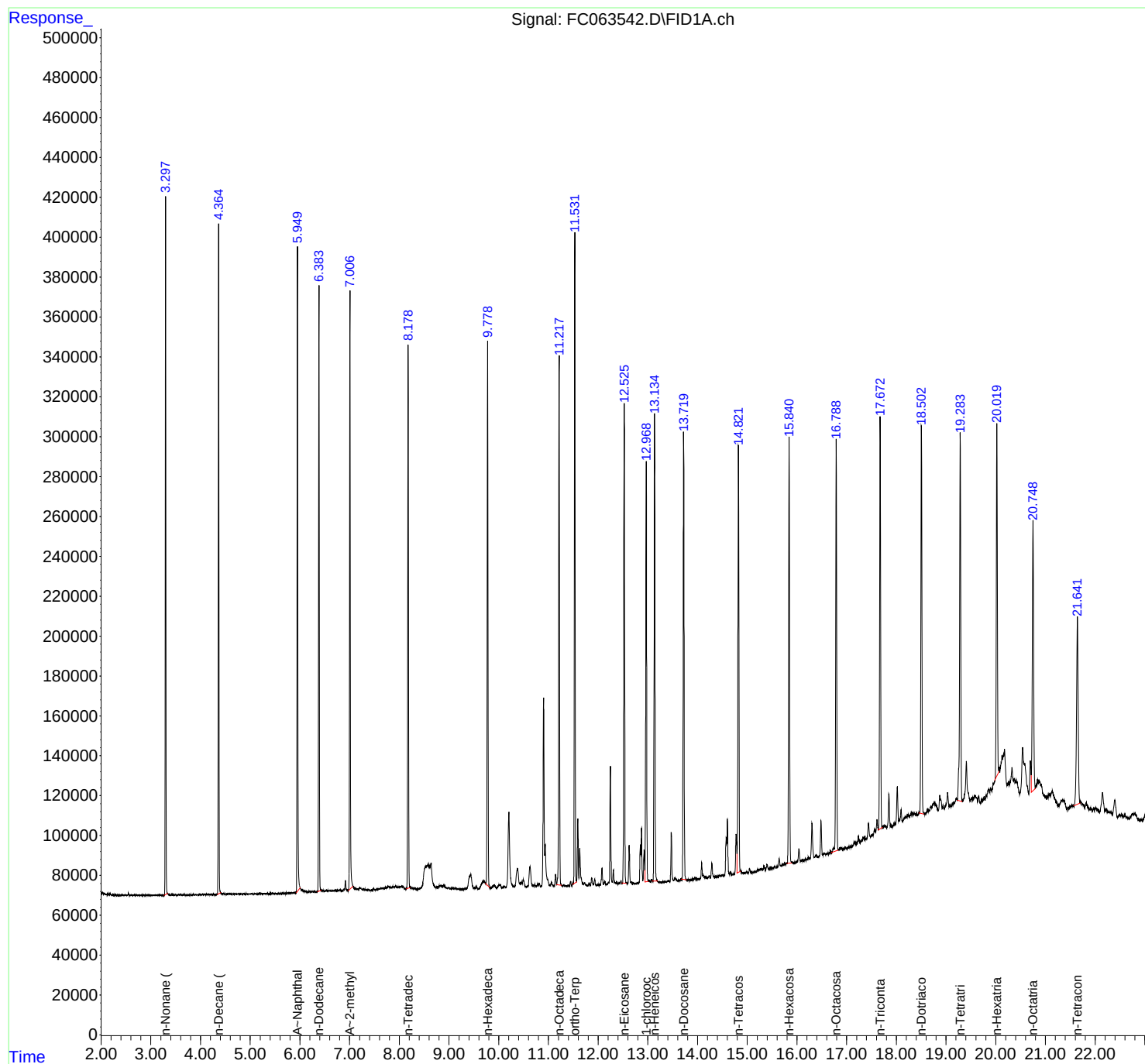
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

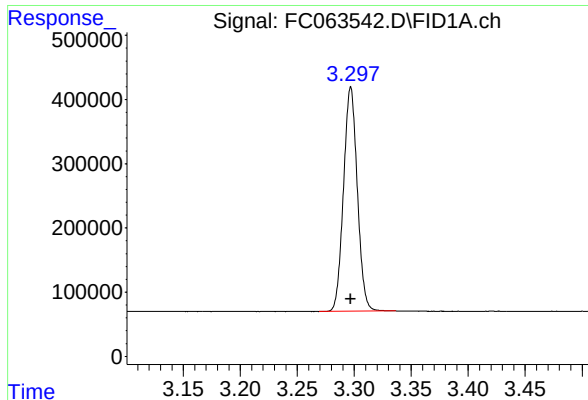
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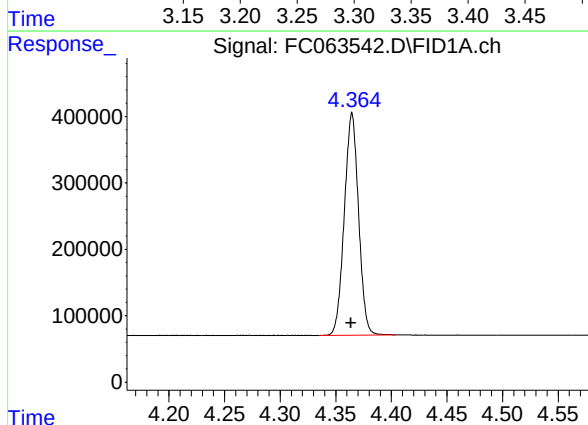
#1 n-Nonane (C9)

R.T.: 3.297 min  
Delta R.T.: 0.000 min  
Response: 2940976  
Conc: 22.32 ug/ml

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

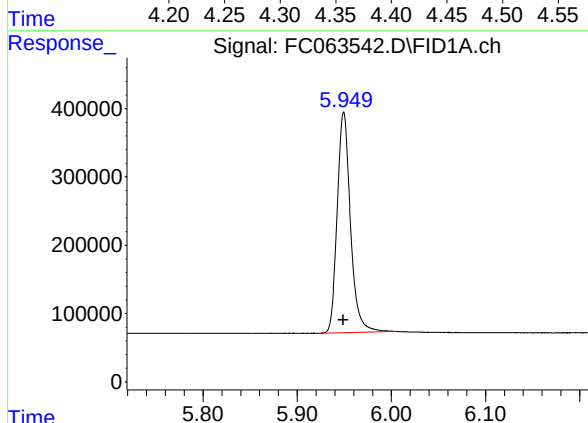
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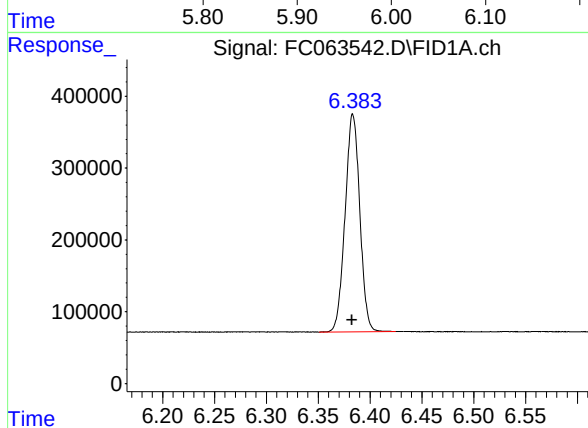
#2 n-Decane (C10)

R.T.: 4.365 min  
Delta R.T.: 0.000 min  
Response: 2985307  
Conc: 22.50 ug/ml



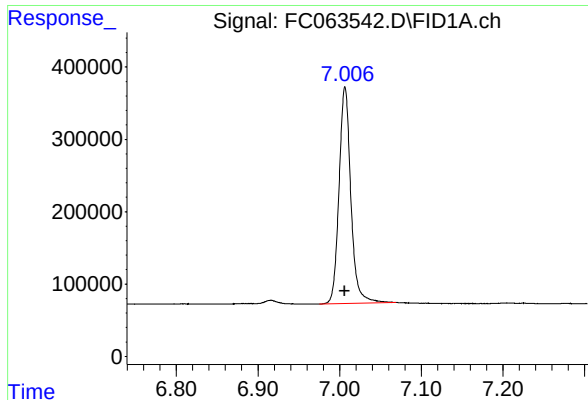
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min  
Delta R.T.: 0.000 min  
Response: 3151313  
Conc: 23.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.383 min  
Delta R.T.: 0.000 min  
Response: 2992528  
Conc: 22.58 ug/ml



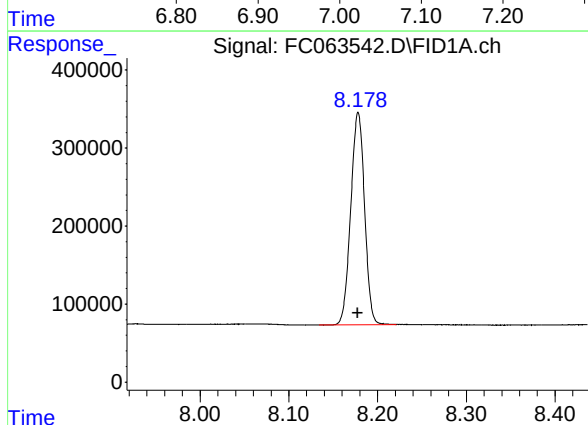
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.007 min  
Delta R.T.: 0.000 min  
Response: 3015037  
Conc: 23.53 ug/ml

Instrument :  
FID\_C  
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20 PPM ALIPHATIC HC STD

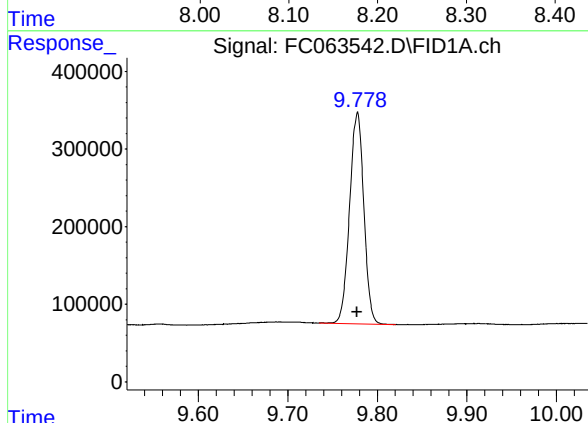
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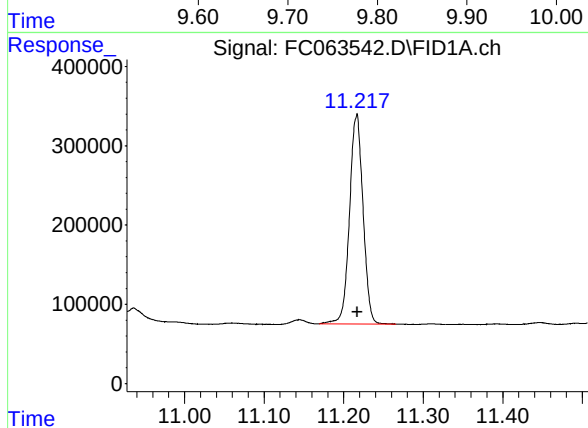
#6 n-Tetradecane (C14)

R.T.: 8.178 min  
Delta R.T.: 0.000 min  
Response: 2944965  
Conc: 22.94 ug/ml



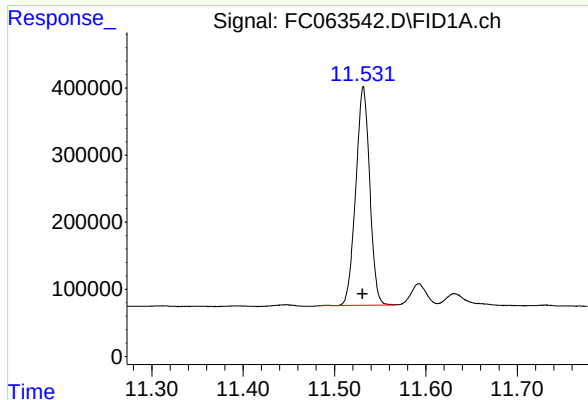
#7 n-Hexadecane (C16)

R.T.: 9.778 min  
Delta R.T.: 0.000 min  
Response: 3010285  
Conc: 22.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.216 min  
Delta R.T.: 0.000 min  
Response: 3121575  
Conc: 22.92 ug/ml



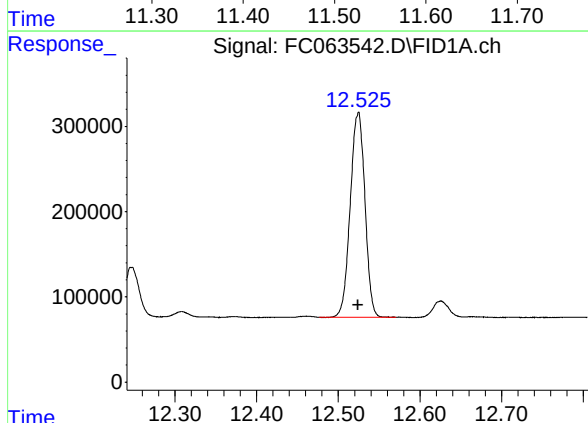
#9 ortho-Terphenyl (SURR)

R.T.: 11.532 min  
Delta R.T.: 0.000 min  
Response: 3455208  
Conc: 21.83 ug/ml

Instrument :  
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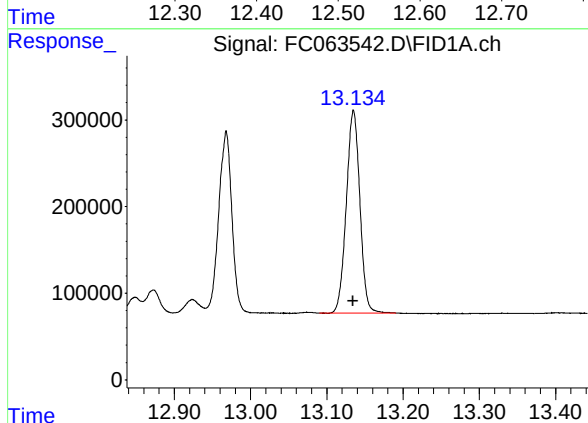
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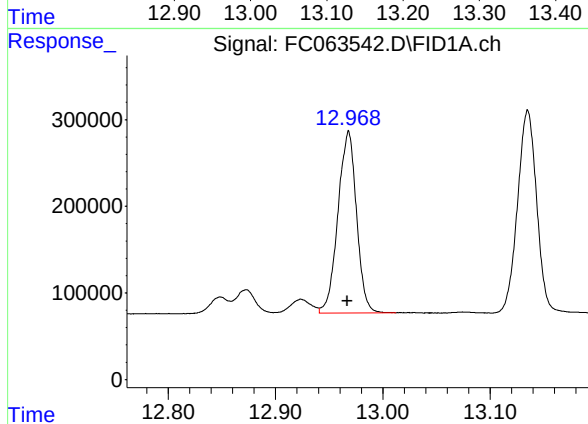
#10 n-Eicosane (C20)

R.T.: 12.525 min  
Delta R.T.: 0.000 min  
Response: 3003635  
Conc: 22.85 ug/ml



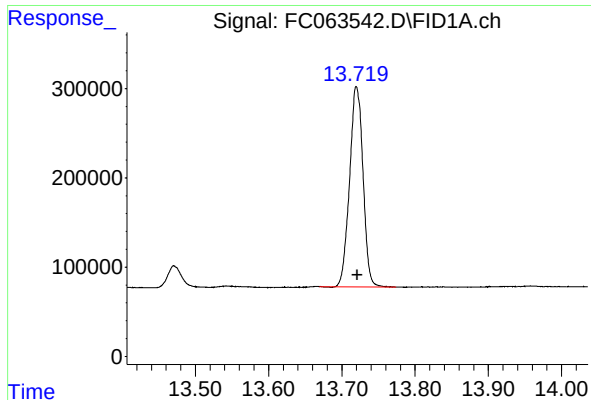
#11 n-Heneicosane (C21)

R.T.: 13.135 min  
Delta R.T.: 0.000 min  
Response: 2892776  
Conc: 22.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.968 min  
Delta R.T.: 0.001 min  
Response: 2527558  
Conc: 23.40 ug/ml



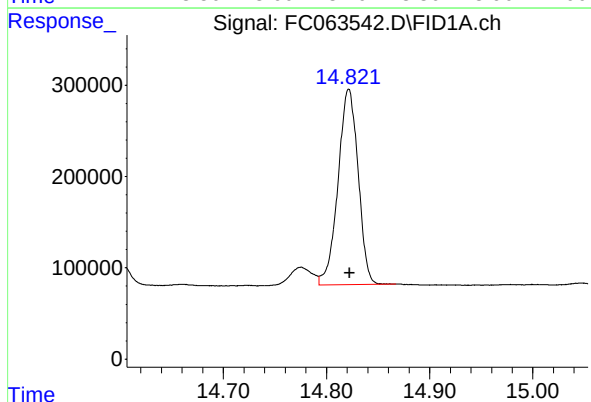
#13 n-Docosane (C22)

R.T.: 13.720 min  
Delta R.T.: -0.001 min  
Response: 2856424  
Conc: 22.14 ug/ml

Instrument :  
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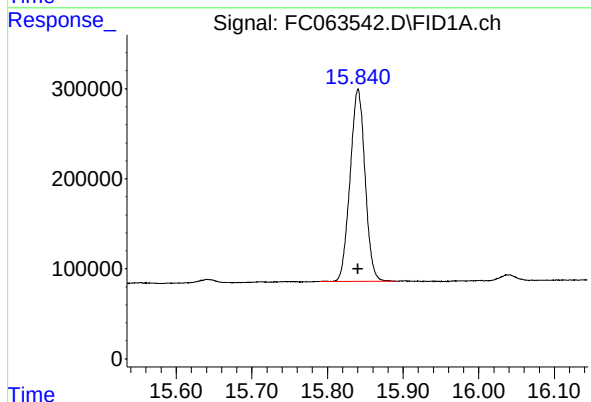
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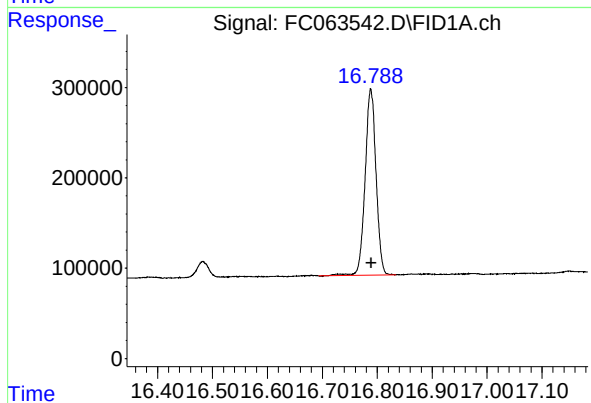
#14 n-Tetracosane (C24)

R.T.: 14.822 min  
Delta R.T.: 0.000 min  
Response: 2899177  
Conc: 22.17 ug/ml



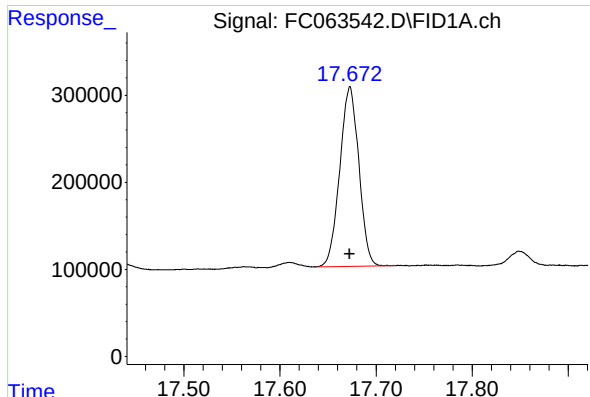
#15 n-Hexacosane (C26)

R.T.: 15.840 min  
Delta R.T.: 0.000 min  
Response: 2927184  
Conc: 22.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.788 min  
Delta R.T.: 0.000 min  
Response: 2855668  
Conc: 22.43 ug/ml



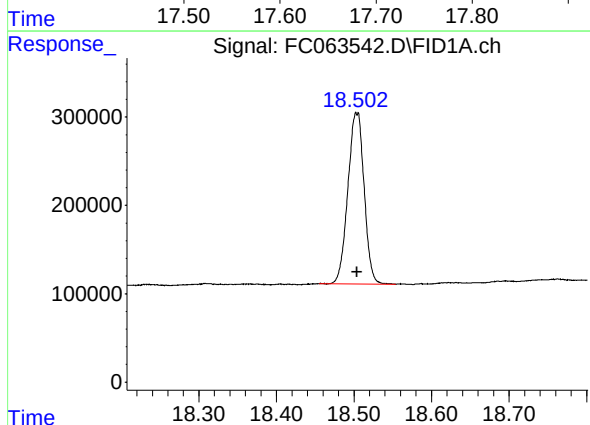
#17 n-Tricontane (C30)

R.T.: 17.673 min  
Delta R.T.: 0.000 min  
Response: 2851582  
Conc: 21.91 ug/ml

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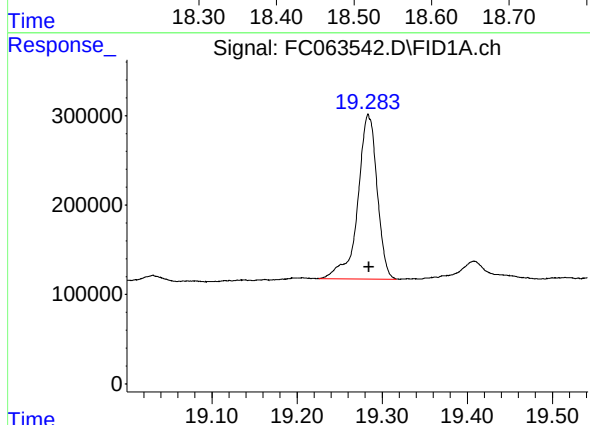
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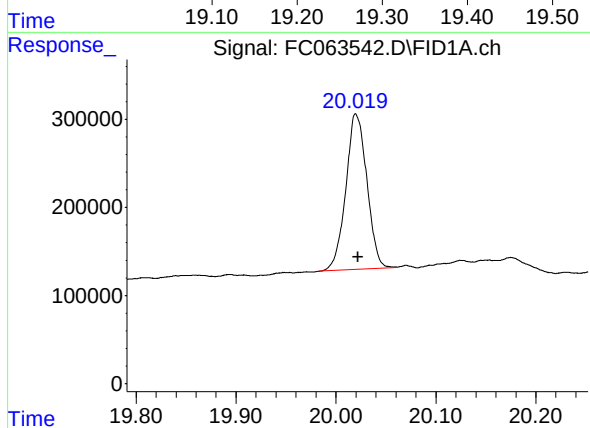
#18 n-Dotriacontane (C32)

R.T.: 18.504 min  
Delta R.T.: 0.000 min  
Response: 2828409  
Conc: 21.95 ug/ml



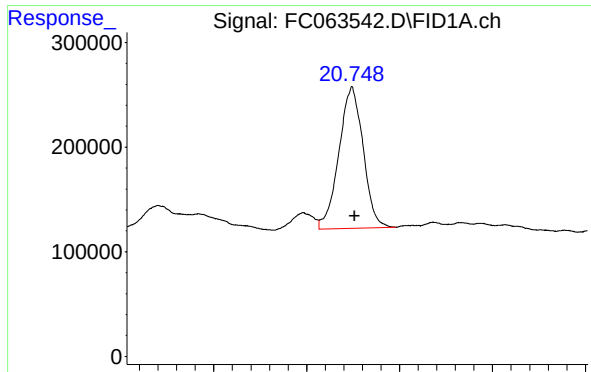
#19 n-Tetatriacontane (C34)

R.T.: 19.283 min  
Delta R.T.: -0.001 min  
Response: 2904190  
Conc: 23.17 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.019 min  
Delta R.T.: -0.003 min  
Response: 2581991  
Conc: 21.81 ug/ml m



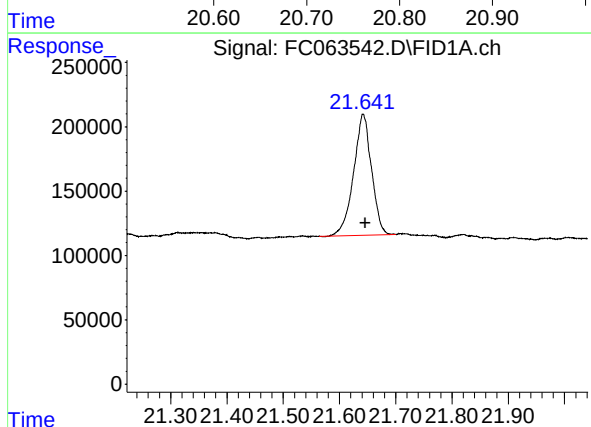
#21 n-Octatriacontane (C38)

R.T.: 20.749 min  
Delta R.T.: -0.003 min  
Response: 2448220  
Conc: 20.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.642 min  
Delta R.T.: -0.004 min  
Response: 2085909  
Conc: 18.40 ug/ml