

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC050420AL\  
 Data File : FC047224.D  
 Signal(s) : FID1A.CH  
 Acq On : 04 May 2020 8:49  
 Operator : DD\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

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 5/5/2020 7:52:17 AM

Integration File: sample.E  
 Quant Time: May 04 12:44:43 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 042320.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 23 16:30:34 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)    | 11.756 | 2375498    | 21.348 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.70%        |
| 12) S 1-chlorooctadecane (S... | 13.170 | 1868066    | 20.918 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.84%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.552  | 2148899    | 22.258 ug/ml  |
| 2) T n-Decane (C10)            | 4.618  | 2172523    | 22.522 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.218  | 2253190    | 22.367 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.621  | 2218691    | 22.566 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.266  | 2251681    | 22.574 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.401  | 2225977    | 22.539 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.990  | 2236010    | 22.178 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.422 | 2249331    | 21.788 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.723 | 2227686    | 21.230 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.331 | 2231048    | 20.975 ug/ml  |
| 13) T n-Docosane (C22)         | 13.914 | 2206915    | 20.740 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.011 | 2174917    | 20.223 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.026 | 2119338    | 19.643 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.970 | 2043374    | 19.117 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.853 | 1876337    | 18.751 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.681 | 1403603    | 18.420 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.460 | 1019407    | 18.141 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.196 | 873314     | 17.452 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.951 | 764913     | 16.868 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.910 | 790990     | 16.862 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Signal(s) : FID1A.CH  
Acq On : 04 May 2020 8:49  
Operator : DD\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

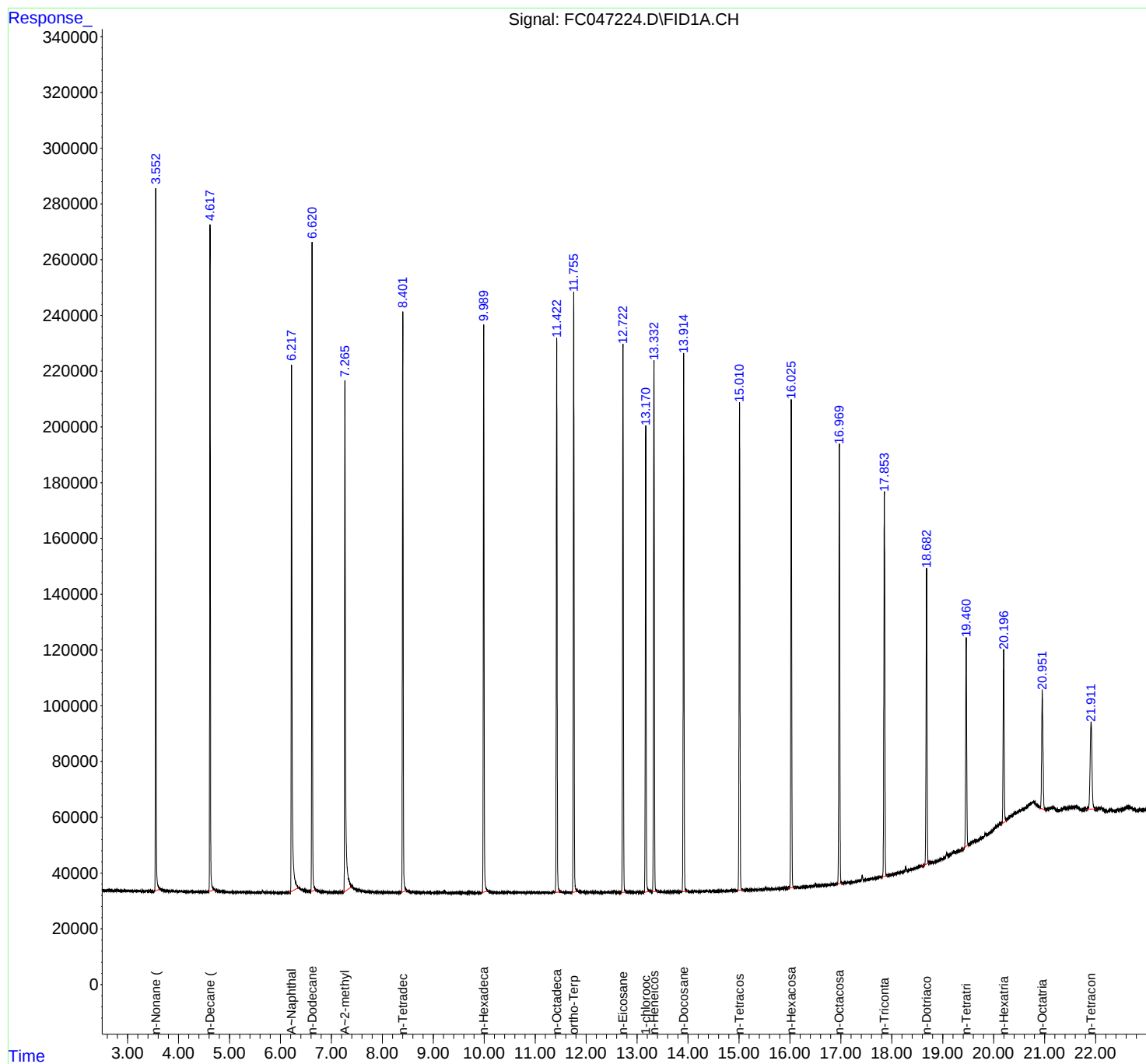
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

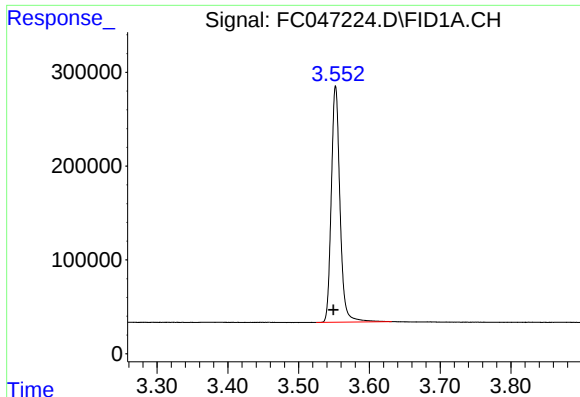
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Integration File: sample.E  
Quant Time: May 04 12:44:43 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042320.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 23 16:30:34 2020  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





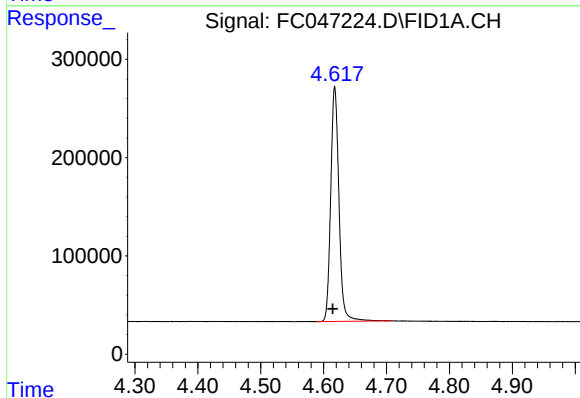
#1 n-Nonane (C9)

R.T.: 3.552 min  
Delta R.T.: 0.003 min  
Response: 2148899  
Conc: 22.26 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

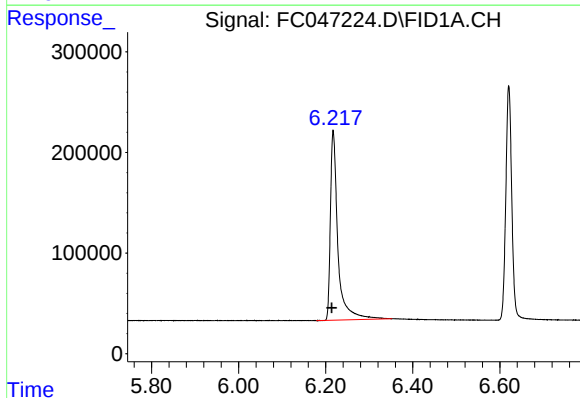
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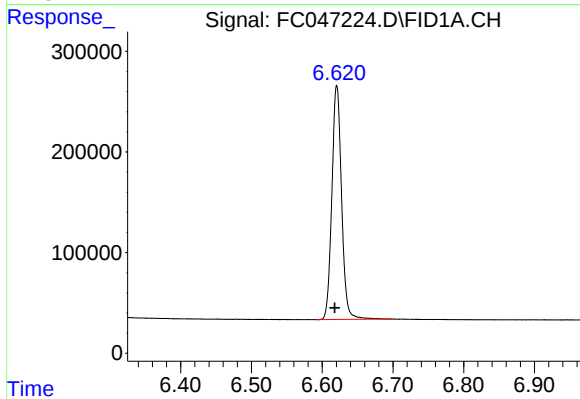
#2 n-Decane (C10)

R.T.: 4.618 min  
Delta R.T.: 0.004 min  
Response: 2172523  
Conc: 22.52 ug/ml



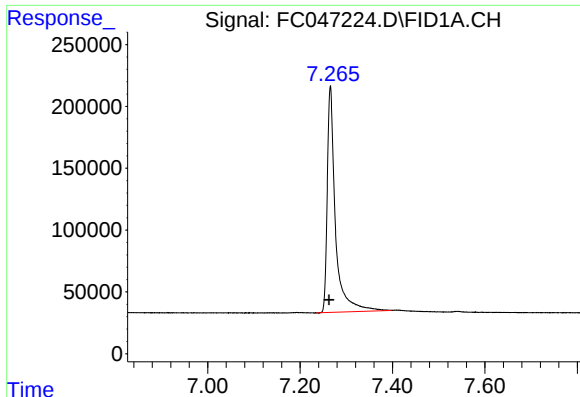
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min  
Delta R.T.: 0.004 min  
Response: 2253190  
Conc: 22.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.621 min  
Delta R.T.: 0.003 min  
Response: 2218691  
Conc: 22.57 ug/ml



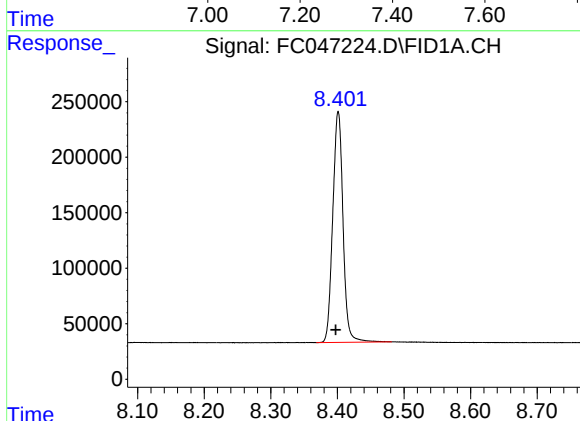
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.266 min  
Delta R.T.: 0.003 min  
Response: 2251681  
Conc: 22.57 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

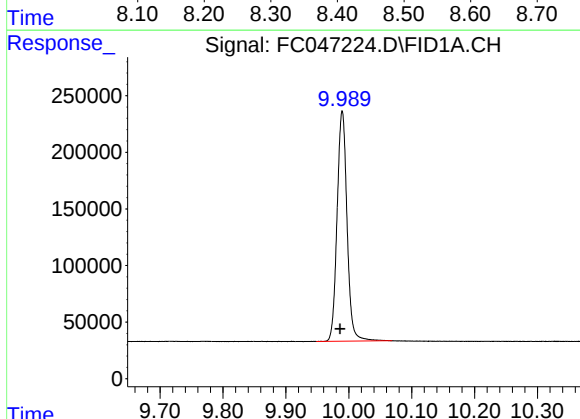
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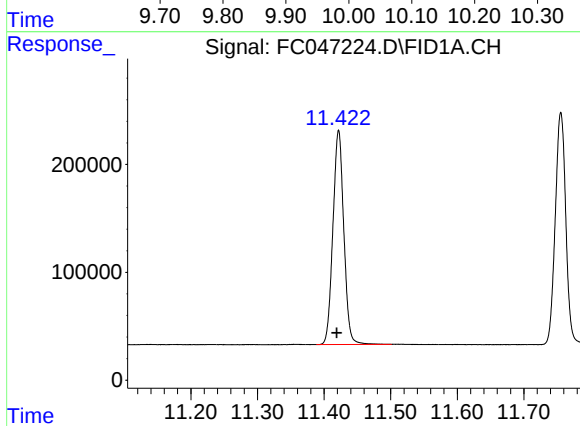
#6 n-Tetradecane (C14)

R.T.: 8.401 min  
Delta R.T.: 0.004 min  
Response: 2225977  
Conc: 22.54 ug/ml



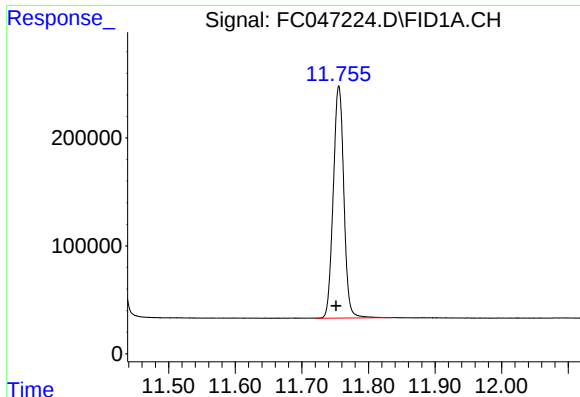
#7 n-Hexadecane (C16)

R.T.: 9.990 min  
Delta R.T.: 0.003 min  
Response: 2236010  
Conc: 22.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.422 min  
Delta R.T.: 0.003 min  
Response: 2249331  
Conc: 21.79 ug/ml



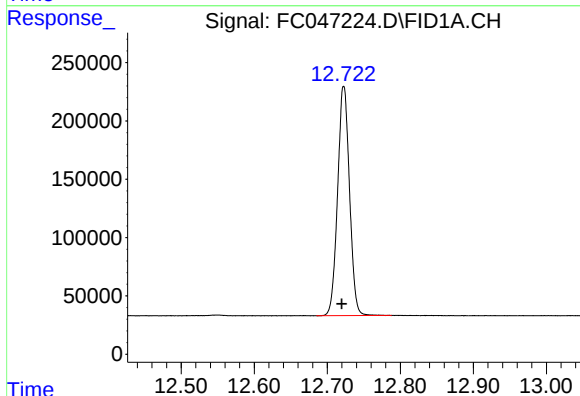
#9 ortho-Terphenyl (SURR)

R.T.: 11.756 min  
Delta R.T.: 0.004 min  
Response: 2375498  
Conc: 21.35 ug/ml

Instrument :  
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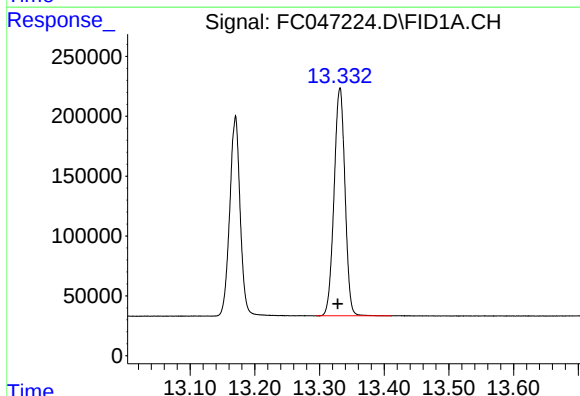
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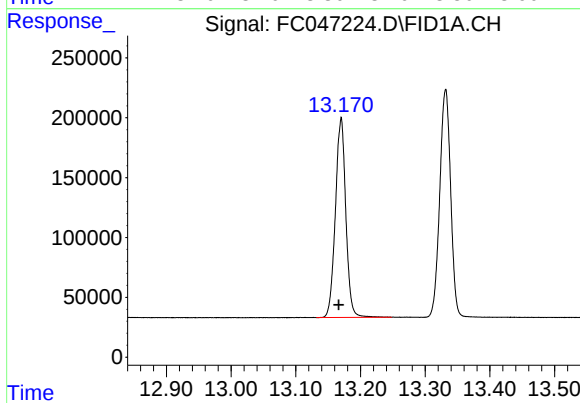
#10 n-Eicosane (C20)

R.T.: 12.723 min  
Delta R.T.: 0.003 min  
Response: 2227686  
Conc: 21.23 ug/ml



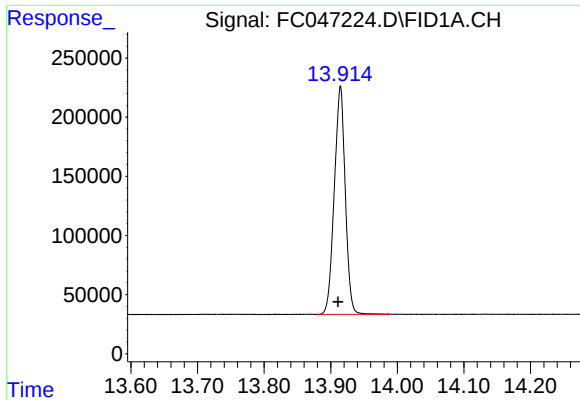
#11 n-Heneicosane (C21)

R.T.: 13.331 min  
Delta R.T.: 0.003 min  
Response: 2231048  
Conc: 20.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.170 min  
Delta R.T.: 0.003 min  
Response: 1868066  
Conc: 20.92 ug/ml



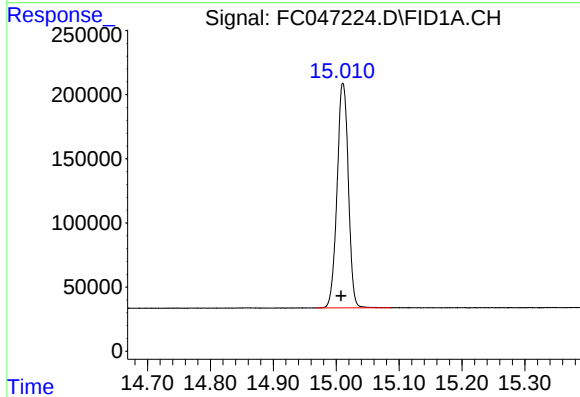
#13 n-Docosane (C22)

R.T.: 13.914 min  
Delta R.T.: 0.003 min  
Response: 2206915  
Conc: 20.74 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

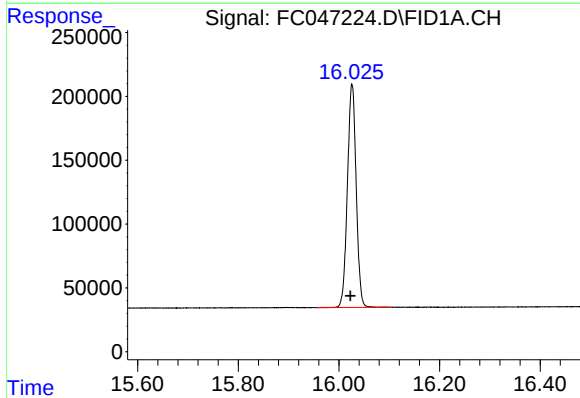
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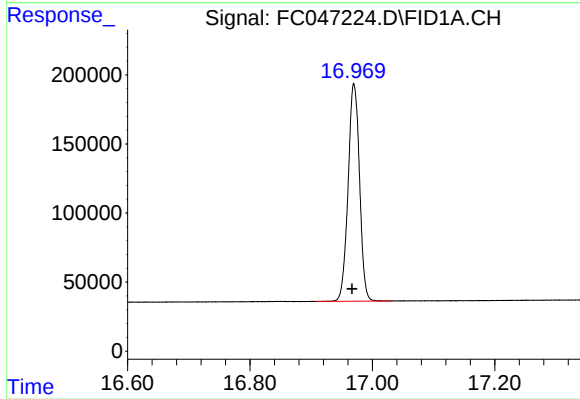
#14 n-Tetracosane (C24)

R.T.: 15.011 min  
Delta R.T.: 0.003 min  
Response: 2174917  
Conc: 20.22 ug/ml



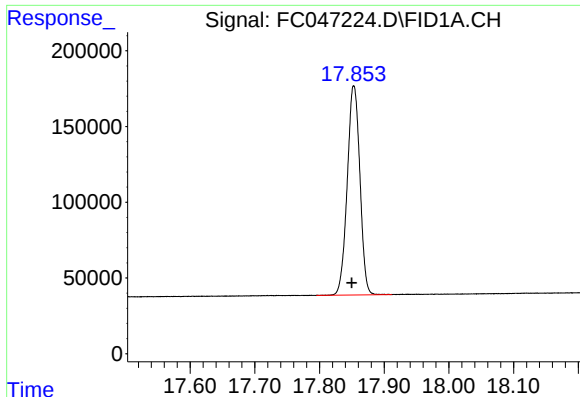
#15 n-Hexacosane (C26)

R.T.: 16.026 min  
Delta R.T.: 0.003 min  
Response: 2119338  
Conc: 19.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min  
Delta R.T.: 0.003 min  
Response: 2043374  
Conc: 19.12 ug/ml



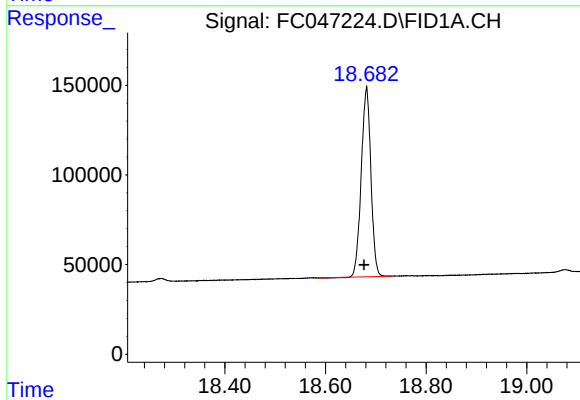
#17 n-Tricontane (C30)

R.T.: 17.853 min  
Delta R.T.: 0.003 min  
Response: 1876337  
Conc: 18.75 ug/ml

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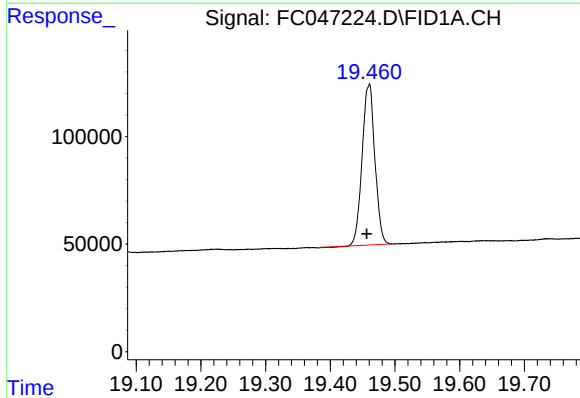
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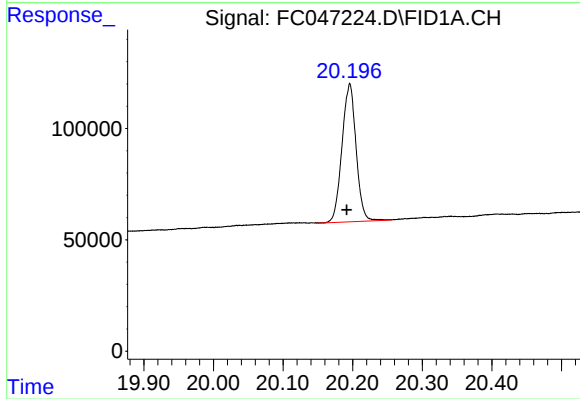
#18 n-Dotriacontane (C32)

R.T.: 18.681 min  
Delta R.T.: 0.005 min  
Response: 1403603  
Conc: 18.42 ug/ml



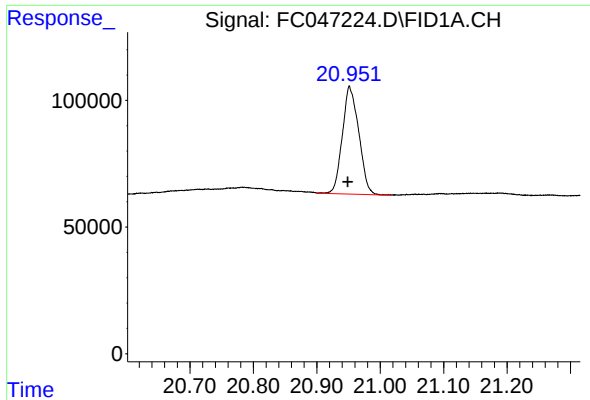
#19 n-Tetratriacontane (C34)

R.T.: 19.460 min  
Delta R.T.: 0.003 min  
Response: 1019407  
Conc: 18.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.196 min  
Delta R.T.: 0.004 min  
Response: 873314  
Conc: 17.45 ug/ml m



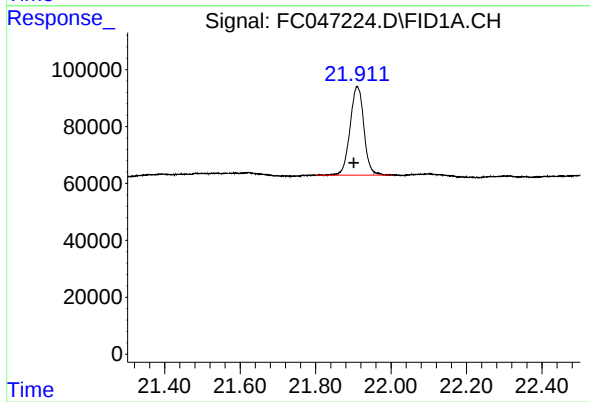
#21 n-Octatriacontane (C38)

R.T.: 20.951 min  
Delta R.T.: 0.002 min  
Response: 764913  
Conc: 16.87 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.910 min  
Delta R.T.: 0.009 min  
Response: 790990  
Conc: 16.86 ug/ml