

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC021519AL\  
 Data File : FC039198.D  
 Signal(s) : FID1A.CH  
 Acq On : 15 Feb 2019 10:51  
 Operator : AJ\SJ  
 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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 2/18/2019 4:24:41 PM

Integration File: autoint1.e  
 Quant Time: Feb 15 11:17:57 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 020619.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Feb 07 03:09:34 2019  
 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)    | 11.211 | 3108085    | 19.879 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.76%        |
| 12) S 1-chlorooctadecane (S... | 12.656 | 2258934    | 19.158 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.32%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.067  | 2178453    | 20.989 ug/ml  |
| 2) T n-Decane (C10)            | 4.119  | 2216105    | 21.500 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.674  | 2448076    | 21.817 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.119  | 2282165    | 21.600 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.720  | 2336859    | 21.015 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.899  | 2294963    | 21.075 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.487  | 2291374    | 20.372 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.918 | 2272386    | 19.410 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.219 | 2273820    | 19.093 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.826 | 2264783    | 19.244 ug/ml  |
| 13) T n-Docosane (C22)         | 13.410 | 2254492    | 19.127 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.507 | 2253285    | 19.107 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.522 | 2263603    | 19.468 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.467 | 2313807    | 19.854 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.350 | 2383563    | 20.537 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.178 | 2371580    | 21.807 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 18.961 | 2039696    | 22.023 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.694 | 1729803    | 21.778 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.394 | 1638709    | 22.313 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.170 | 1496986    | 20.063 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 15 Feb 2019 10:51  
Operator : AJ\SJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

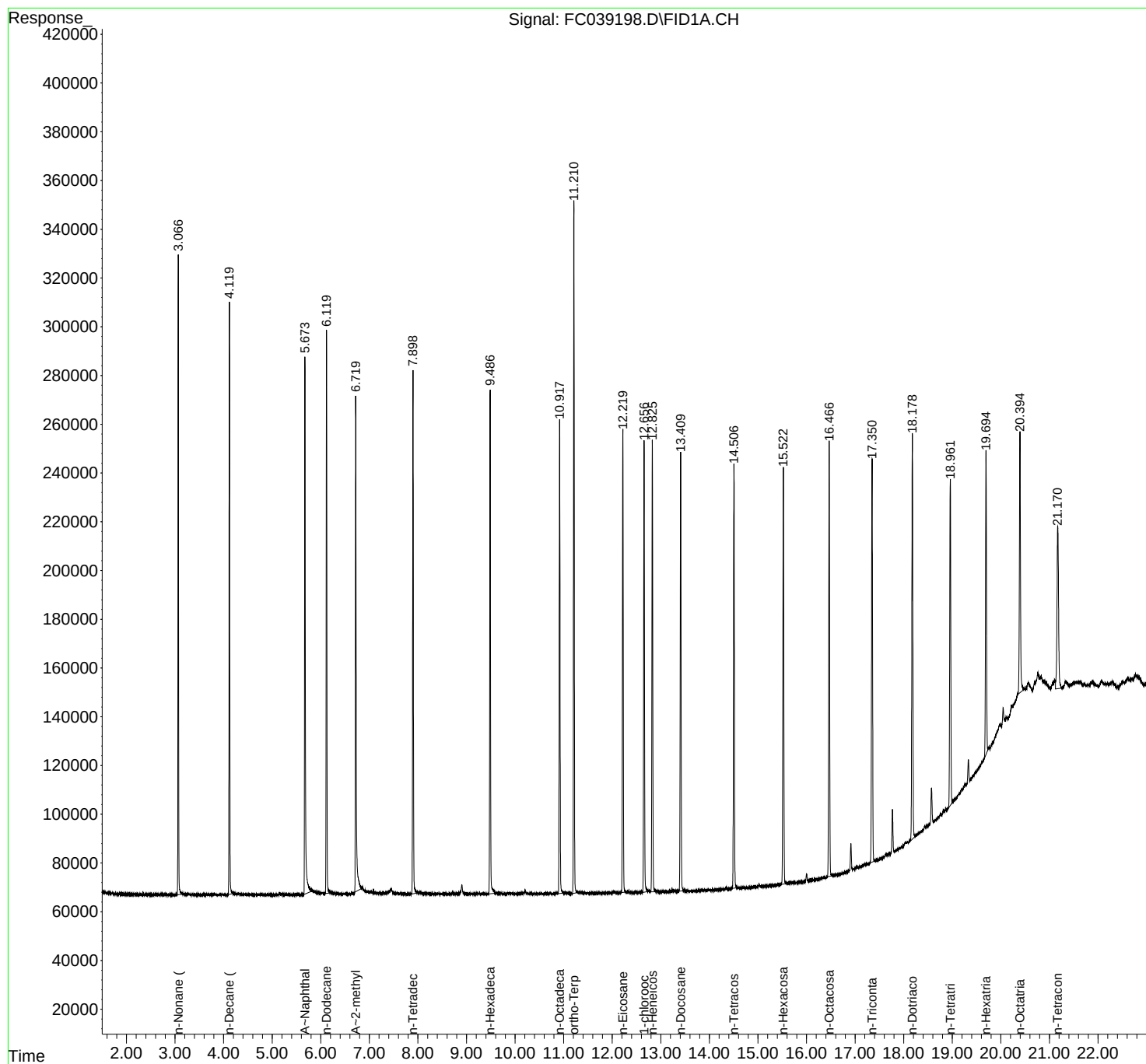
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

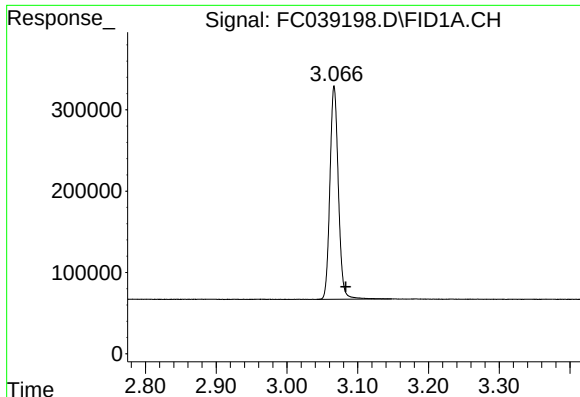
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Integration File: autoint1.e  
Quant Time: Feb 15 11:17:57 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 020619.M  
Quant Title : GC Extractables  
QLast Update : Thu Feb 07 03:09:34 2019  
Response via : Initial Calibration  
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





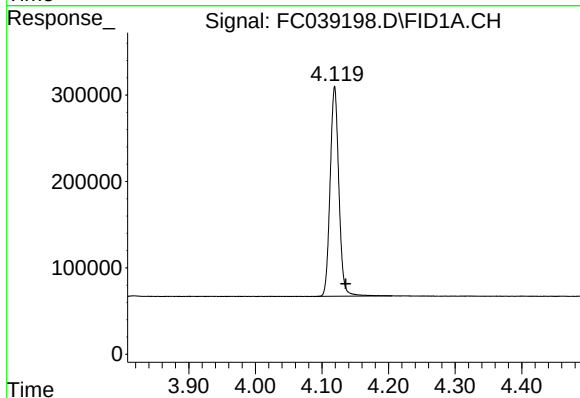
#1 n-Nonane (C9)

R.T.: 3.067 min  
Delta R.T.: -0.016 min  
Response: 2178453  
Conc: 20.99 ug/ml

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

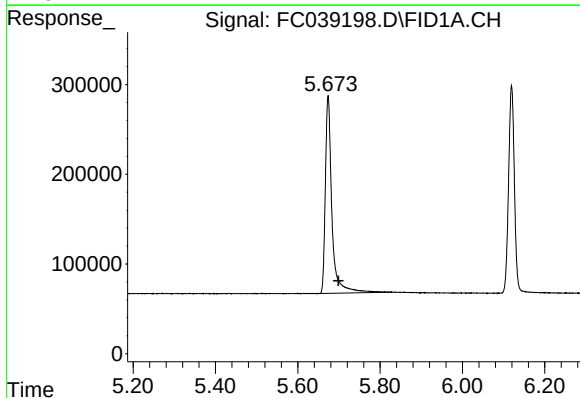
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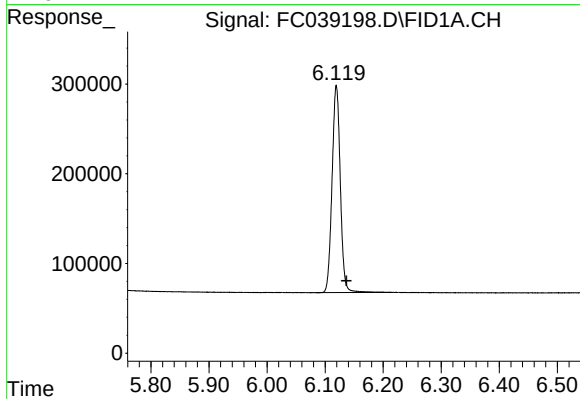
#2 n-Decane (C10)

R.T.: 4.119 min  
Delta R.T.: -0.017 min  
Response: 2216105  
Conc: 21.50 ug/ml



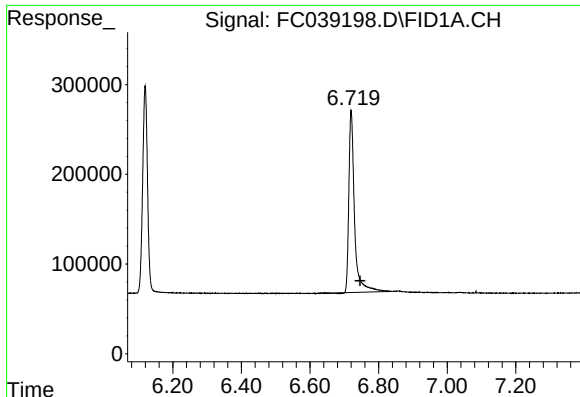
#3 A~Naphthalene (C11.7)

R.T.: 5.674 min  
Delta R.T.: -0.025 min  
Response: 2448076  
Conc: 21.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.119 min  
Delta R.T.: -0.018 min  
Response: 2282165  
Conc: 21.60 ug/ml



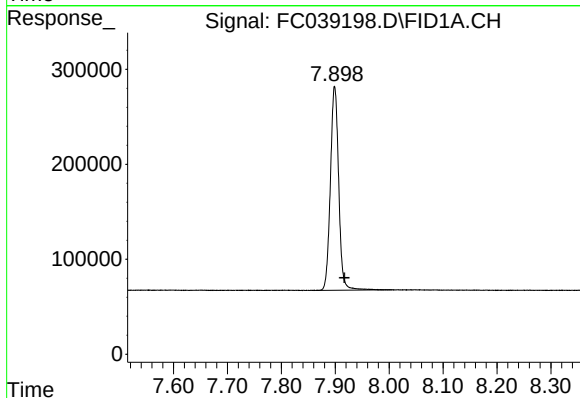
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.720 min  
Delta R.T.: -0.026 min  
Response: 2336859  
Conc: 21.02 ug/ml

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20 PPM ALIPHATIC HC STD

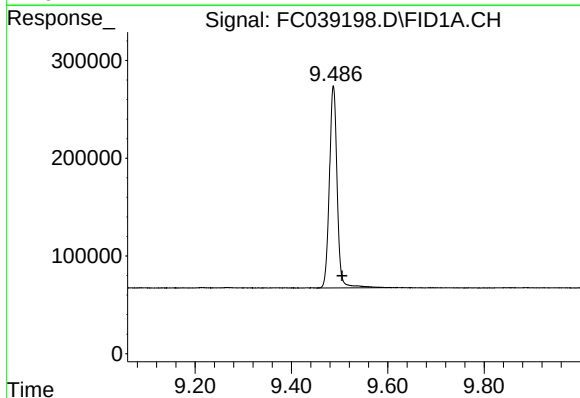
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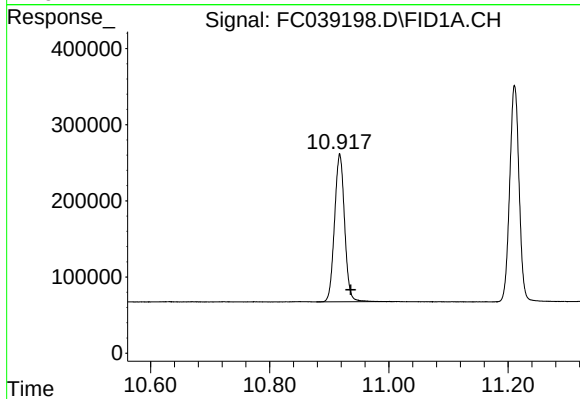
#6 n-Tetradecane (C14)

R.T.: 7.899 min  
Delta R.T.: -0.018 min  
Response: 2294963  
Conc: 21.08 ug/ml



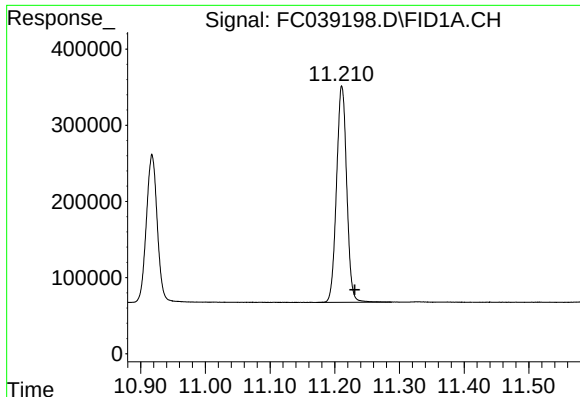
#7 n-Hexadecane (C16)

R.T.: 9.487 min  
Delta R.T.: -0.018 min  
Response: 2291374  
Conc: 20.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.918 min  
Delta R.T.: -0.018 min  
Response: 2272386  
Conc: 19.41 ug/ml



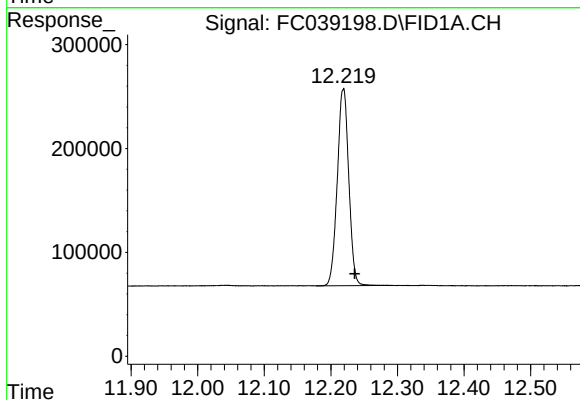
#9 ortho-Terphenyl (SURR)

R.T.: 11.211 min  
Delta R.T.: -0.020 min  
Response: 3108085  
Conc: 19.88 ug/ml

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20 PPM ALIPHATIC HC STD

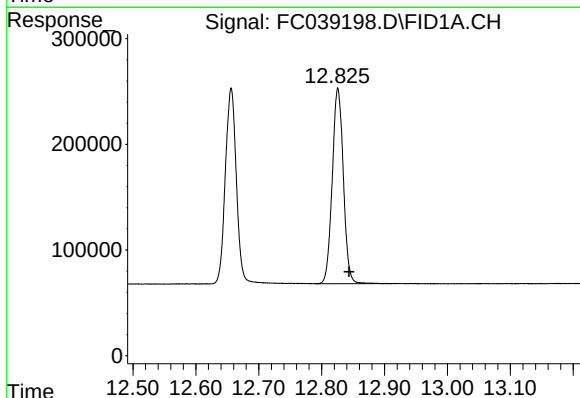
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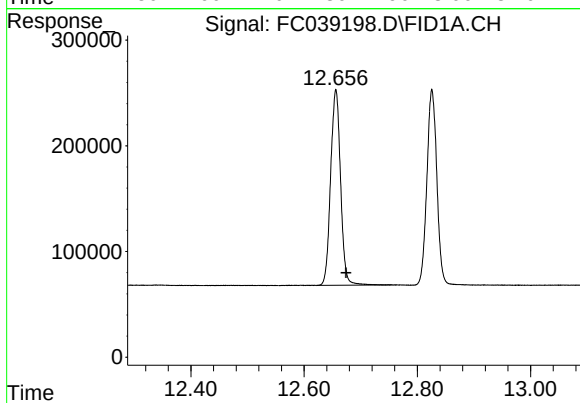
#10 n-Eicosane (C20)

R.T.: 12.219 min  
Delta R.T.: -0.017 min  
Response: 2273820  
Conc: 19.09 ug/ml



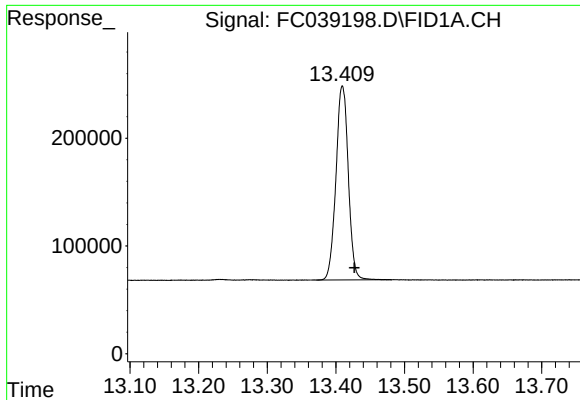
#11 n-Heneicosane (C21)

R.T.: 12.826 min  
Delta R.T.: -0.018 min  
Response: 2264783  
Conc: 19.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.656 min  
Delta R.T.: -0.018 min  
Response: 2258934  
Conc: 19.16 ug/ml



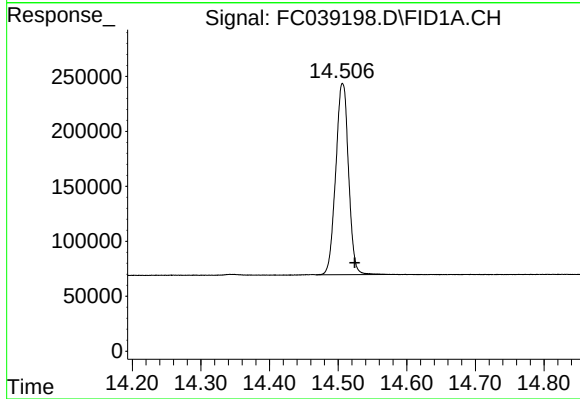
#13 n-Docosane (C22)

R.T.: 13.410 min  
Delta R.T.: -0.017 min  
Response: 2254492  
Conc: 19.13 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

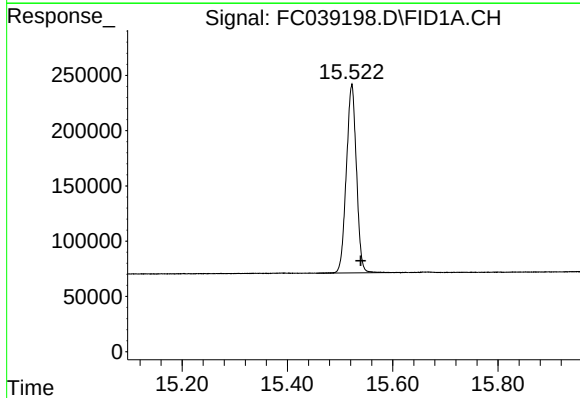
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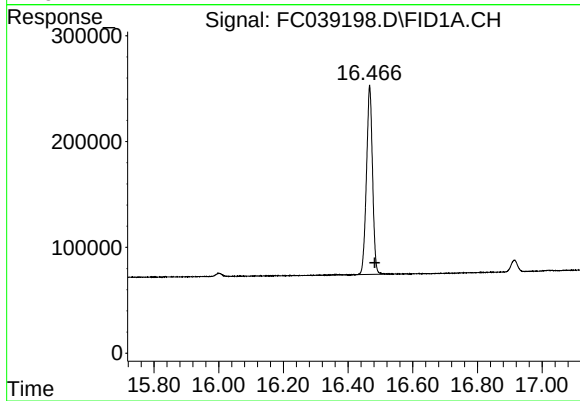
#14 n-Tetracosane (C24)

R.T.: 14.507 min  
Delta R.T.: -0.017 min  
Response: 2253285  
Conc: 19.11 ug/ml



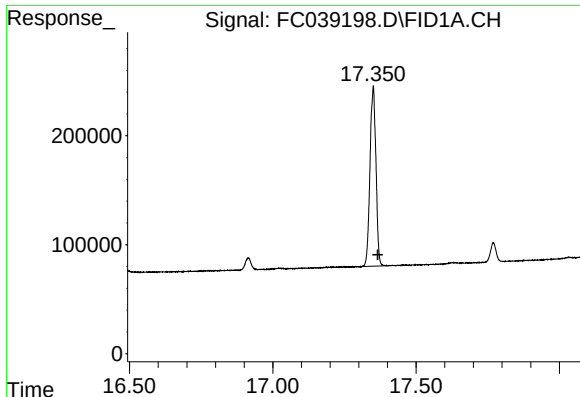
#15 n-Hexacosane (C26)

R.T.: 15.522 min  
Delta R.T.: -0.017 min  
Response: 2263603  
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.467 min  
Delta R.T.: -0.016 min  
Response: 2313807  
Conc: 19.85 ug/ml



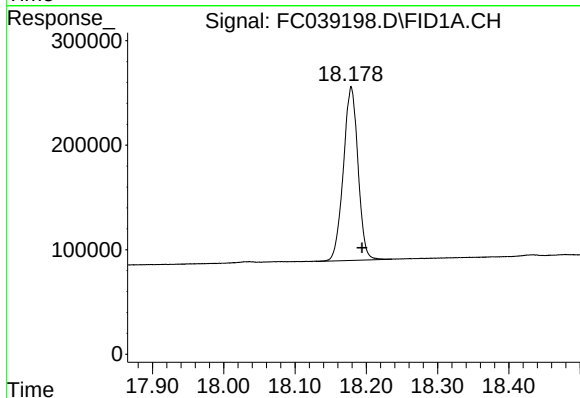
#17 n-Tricontane (C30)

R.T.: 17.350 min  
Delta R.T.: -0.016 min  
Response: 2383563  
Conc: 20.54 ug/ml

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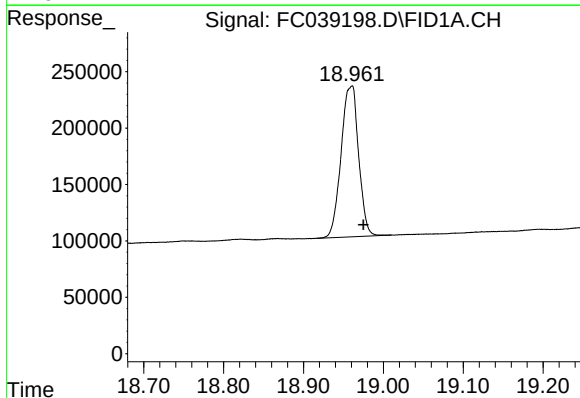
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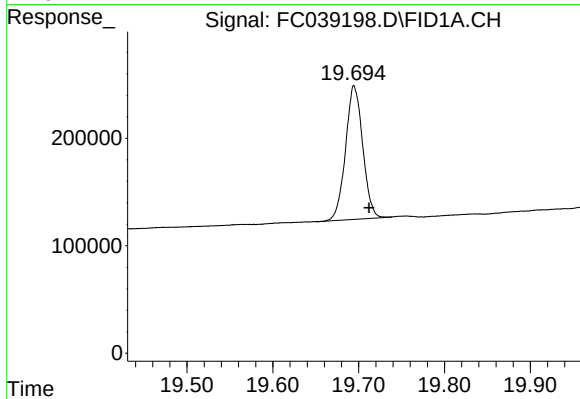
#18 n-Dotriacontane (C32)

R.T.: 18.178 min  
Delta R.T.: -0.016 min  
Response: 2371580  
Conc: 21.81 ug/ml m



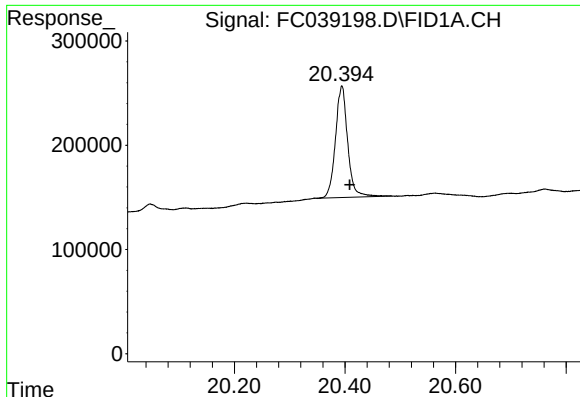
#19 n-Tetratriacontane (C34)

R.T.: 18.961 min  
Delta R.T.: -0.014 min  
Response: 2039696  
Conc: 22.02 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.694 min  
Delta R.T.: -0.018 min  
Response: 1729803  
Conc: 21.78 ug/ml m



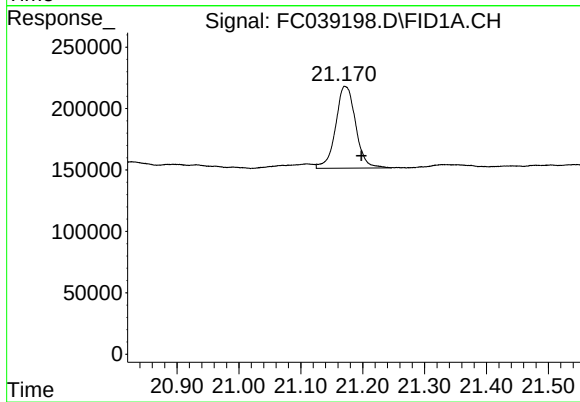
#21 n-Octatriacontane (C38)

R.T.: 20.394 min  
Delta R.T.: -0.015 min  
Response: 1638709  
Conc: 22.31 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.170 min  
Delta R.T.: -0.028 min  
Response: 1496986  
Conc: 20.06 ug/ml m