

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF100923AL\  
 Data File : FF013580.D  
 Signal(s) : FID2B.ch  
 Acq On : 09 Oct 2023 11:23  
 Operator : YP\AJ  
 Sample : 04699-01  
 Misc : 2.5PPM SOIL LOD  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023  
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e  
 Quant Time: Oct 09 23:48:59 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 100623.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Oct 07 07:01:38 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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.314 | 3662356    | 30.559 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 61.12%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.272  | 182318     | 1.433 ug/ml  |
| 2) T n-Decane (C10)            | 4.521  | 236394     | 1.829 ug/mlm |
| 4) T n-Dodecane (C12)          | 6.684  | 287267     | 2.213 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.510  | 256931     | 2.018 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.116 | 253404     | 1.919 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.558 | 263878     | 1.928 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.868 | 301306     | 2.213 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.481 | 284192     | 2.108 ug/ml  |
| 13) T n-Docosane (C22)         | 14.067 | 284921     | 2.113 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.170 | 291030     | 2.130 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.191 | 290467     | 2.134 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.141 | 298577     | 2.233 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.030 | 309562     | 2.234 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.862 | 324946     | 2.365 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.645 | 284223     | 2.195 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.384 | 267867     | 2.148 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.113 | 236733     | 2.015 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.002 | 213573     | 1.857 ug/mlm |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 04699-01  
Misc : 2.5PPM SOIL LOD  
ALS Vial : 65 Sample Multiplier: 1

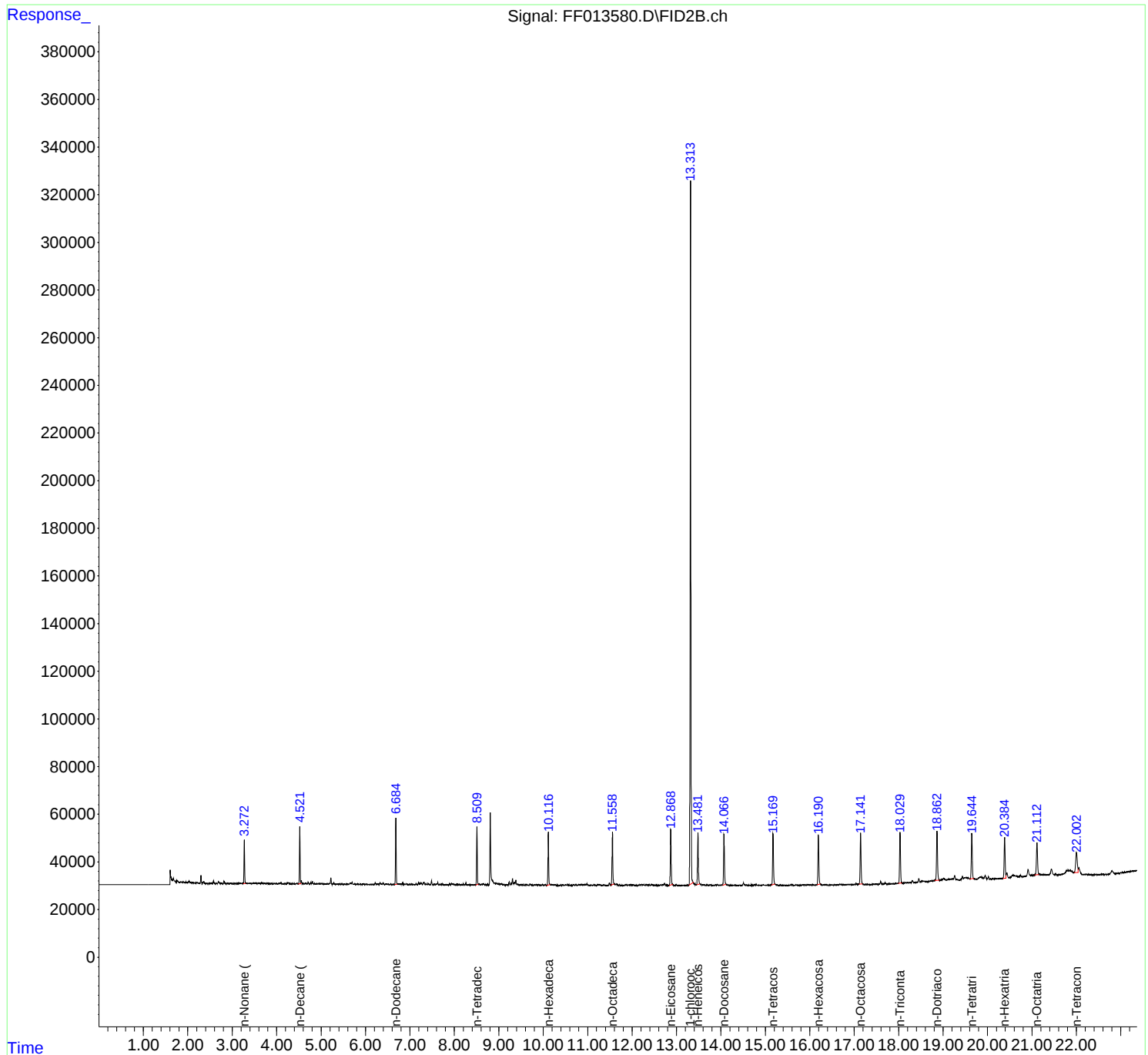
Instrument :  
FID\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

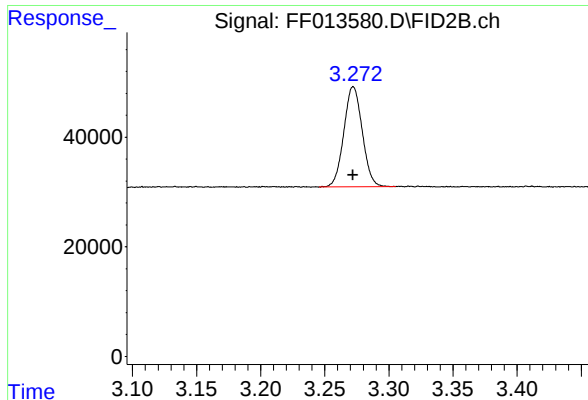
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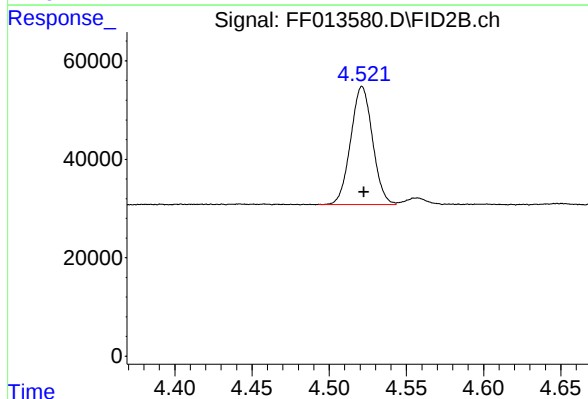
#1 n-Nonane (C9)

R.T.: 3.272 min  
Delta R.T.: 0.000 min  
Response: 182318  
Conc: 1.43 ug/ml

Instrument :  
FID\_F  
ClientSampleId :  
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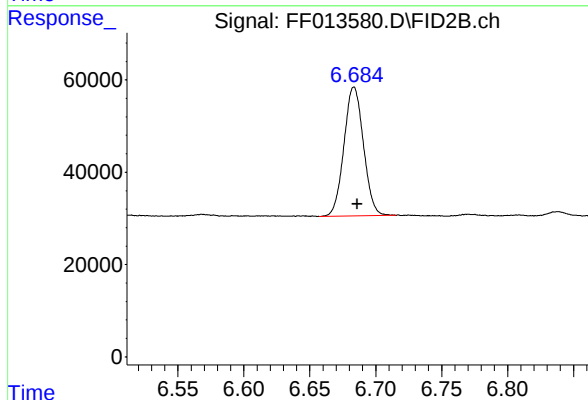
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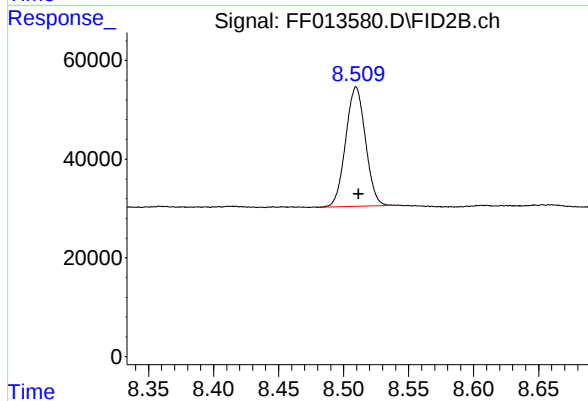
#2 n-Decane (C10)

R.T.: 4.521 min  
Delta R.T.: -0.002 min  
Response: 236394  
Conc: 1.83 ug/ml m



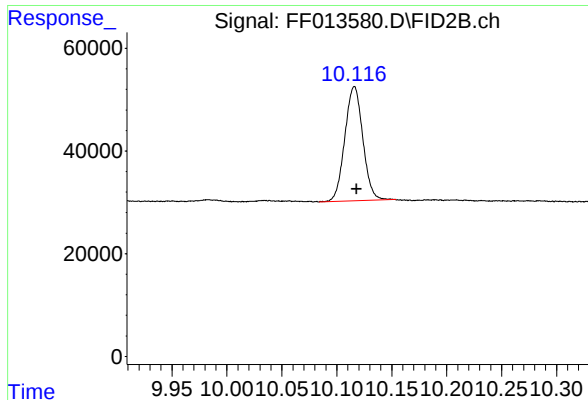
#4 n-Dodecane (C12)

R.T.: 6.684 min  
Delta R.T.: -0.002 min  
Response: 287267  
Conc: 2.21 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.510 min  
Delta R.T.: -0.002 min  
Response: 256931  
Conc: 2.02 ug/ml



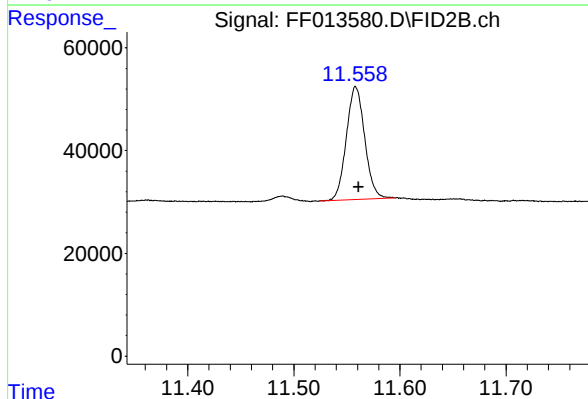
#7 n-Hexadecane (C16)

R.T.: 10.116 min  
Delta R.T.: -0.002 min  
Response: 253404  
Conc: 1.92 ug/ml

Instrument : FID\_F  
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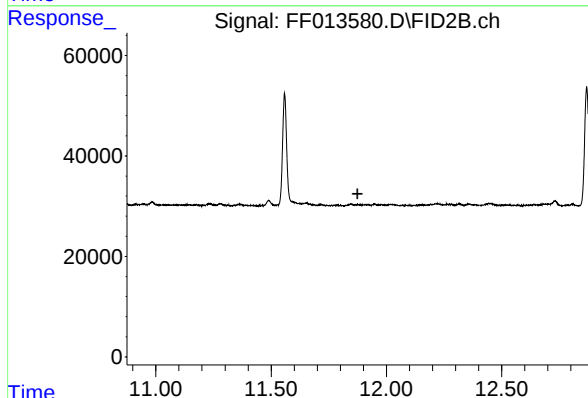
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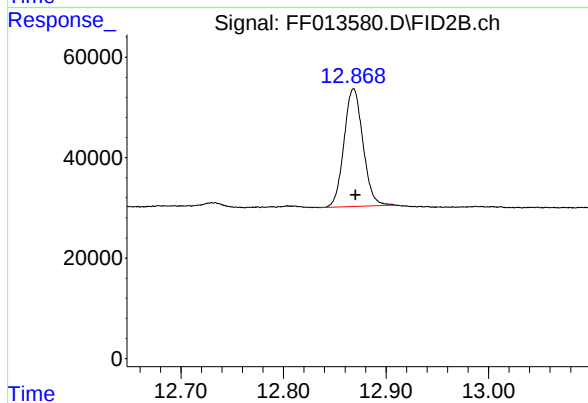
#8 n-Octadecane (C18)

R.T.: 11.558 min  
Delta R.T.: -0.003 min  
Response: 263878  
Conc: 1.93 ug/ml



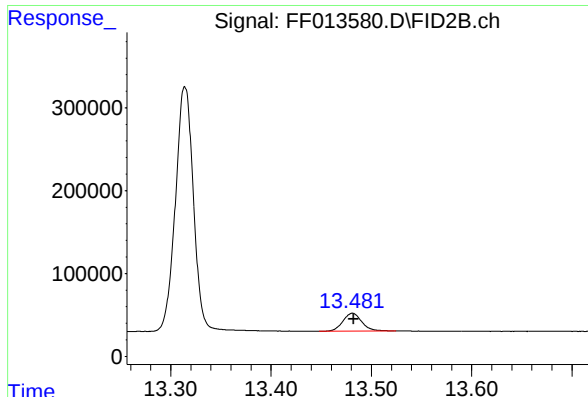
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.875 min  
Response: 0  
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.868 min  
Delta R.T.: -0.002 min  
Response: 301306  
Conc: 2.21 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.481 min  
Delta R.T.: -0.001 min  
Response: 284192  
Conc: 2.11 ug/ml

Instrument :

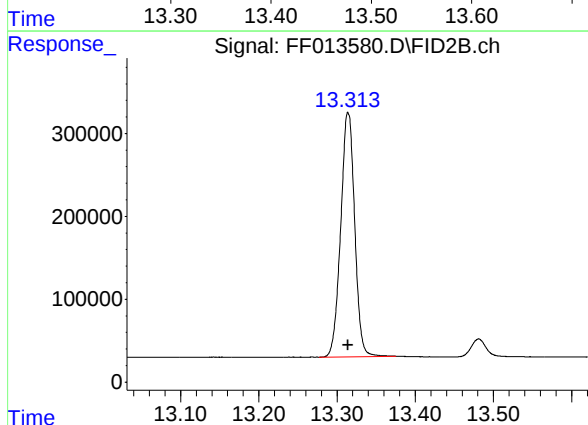
FID\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

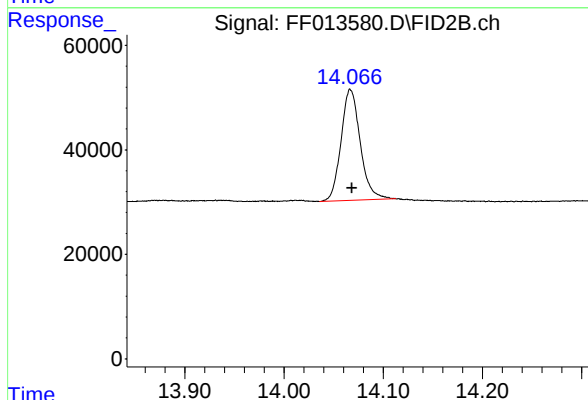
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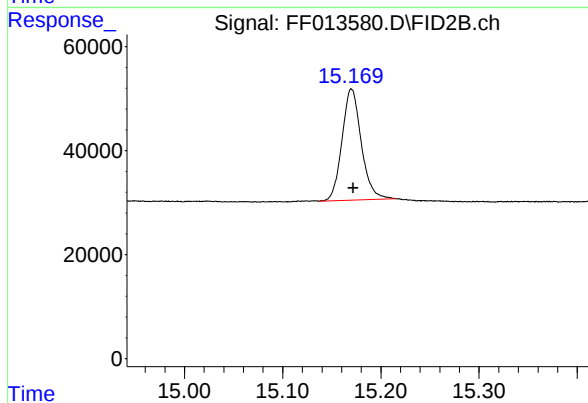
#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min  
Delta R.T.: 0.000 min  
Response: 3662356  
Conc: 30.56 ug/ml



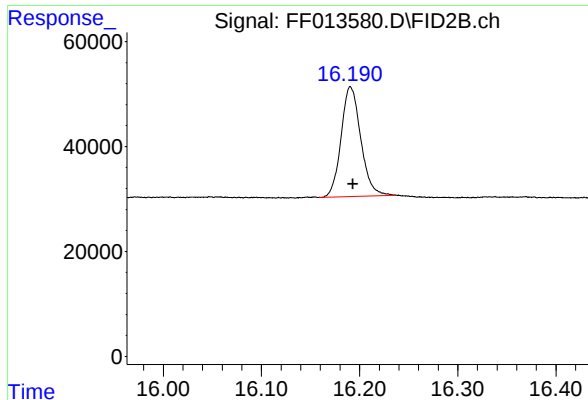
#13 n-Docosane (C22)

R.T.: 14.067 min  
Delta R.T.: -0.002 min  
Response: 284921  
Conc: 2.11 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.170 min  
Delta R.T.: -0.002 min  
Response: 291030  
Conc: 2.13 ug/ml



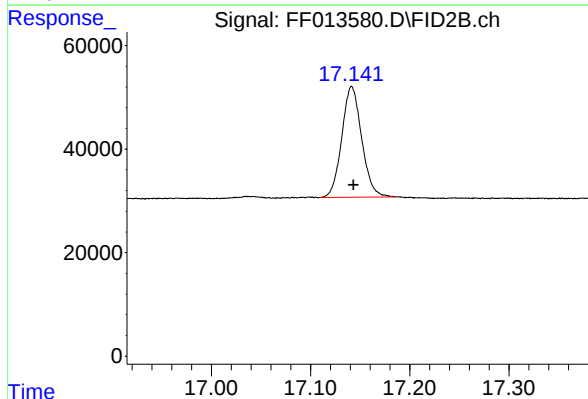
#15 n-Hexacosane (C26)

R.T.: 16.191 min  
Delta R.T.: -0.003 min  
Response: 290467  
Conc: 2.13 ug/ml

Instrument : FID\_F  
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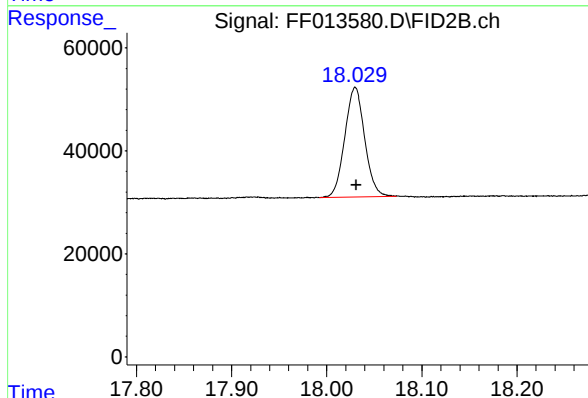
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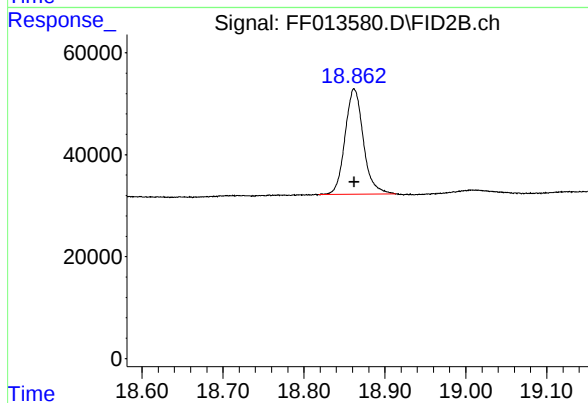
#16 n-Octacosane (C28)

R.T.: 17.141 min  
Delta R.T.: -0.002 min  
Response: 298577  
Conc: 2.23 ug/ml



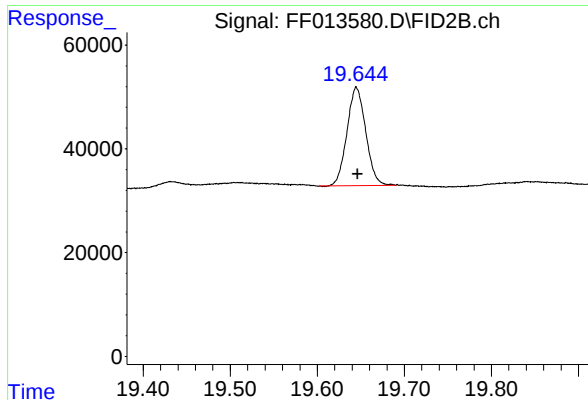
#17 n-Tricontane (C30)

R.T.: 18.030 min  
Delta R.T.: -0.001 min  
Response: 309562  
Conc: 2.23 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.862 min  
Delta R.T.: 0.000 min  
Response: 324946  
Conc: 2.37 ug/ml



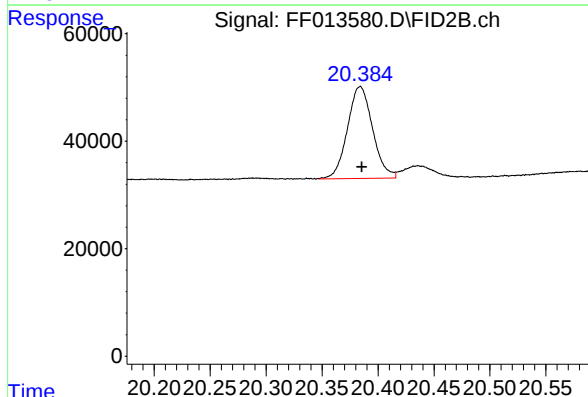
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min  
Delta R.T.: -0.002 min  
Response: 284223  
Conc: 2.19 ug/ml

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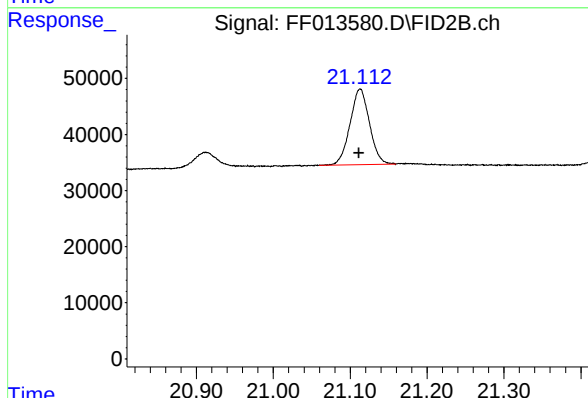
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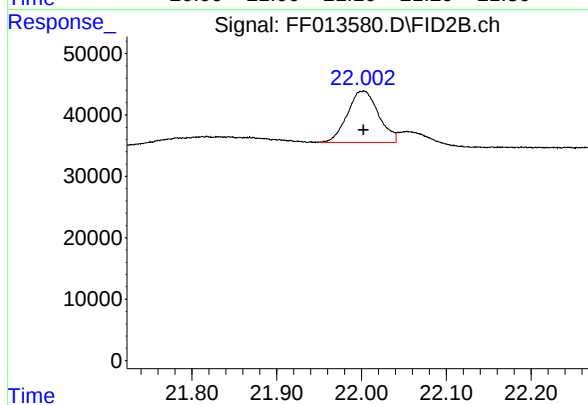
#20 n-Hexatriacontane (C36)

R.T.: 20.384 min  
Delta R.T.: -0.001 min  
Response: 267867  
Conc: 2.15 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.113 min  
Delta R.T.: 0.001 min  
Response: 236733  
Conc: 2.01 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.002 min  
Delta R.T.: 0.000 min  
Response: 213573  
Conc: 1.86 ug/ml m