

Initial Calibration Report for SequenceID : FC071524AL

**AreaCount**

| Parameter Range   | FC066790.D    | FC066791.D    | FC066792.D   | FC066793.D   | FC066794.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 47089635.000  | 21348429.000  | 8769951.000  | 4094121.000  | 2262106.000  |  |
| Aliphatic C12-C16 | 32916862.000  | 14175149.000  | 5877765.000  | 2744553.000  | 1494409.000  |  |
| Aliphatic C16-C21 | 46895549.000  | 20402682.000  | 8418396.000  | 3933005.000  | 2143647.000  |  |
| Aliphatic C21-C28 | 57369312.000  | 25255581.000  | 10344575.000 | 4848236.000  | 2685803.000  |  |
| Aliphatic C28-C40 | 77972979.000  | 33812067.000  | 14241981.000 | 6712525.000  | 3662074.000  |  |
| Aliphatic EPH     | 262244337.000 | 114993908.000 | 47652668.000 | 22332440.000 | 12248039.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 146546.3853332 | 5.354 |  |  |  |  |
| Aliphatic C12-C16 | 147989.695     | 7.033 |  |  |  |  |
| Aliphatic C16-C21 | 141330.5886664 | 6.722 |  |  |  |  |
| Aliphatic C21-C28 | 130900.8845    | 6.462 |  |  |  |  |
| Aliphatic C28-C40 | 119057.9159998 | 6.227 |  |  |  |  |
| Aliphatic EPH     | 133197.8525552 | 6.258 |  |  |  |  |

**Concentration**

| Parameter Range   | FC066790.D | FC066791.D | FC066792.D | FC066793.D | FC066794.D |  |
|-------------------|------------|------------|------------|------------|------------|--|
| Aliphatic C9-C12  | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C12-C16 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aliphatic C16-C21 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C21-C28 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aliphatic C28-C40 | 600.000    | 300.000    | 120.000    | 60.000     | 30.000     |  |
| Aliphatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range   | FC066790.D    | FC066791.D    | FC066792.D    | FC066793.D    | FC066794.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 156965.450000 | 142322.860000 | 146165.850000 | 136470.700000 | 150807.066666 |  |
| Aliphatic C12-C16 | 164584.310000 | 141751.490000 | 146944.125000 | 137227.650000 | 149440.900000 |  |
| Aliphatic C16-C21 | 156318.496666 | 136017.880000 | 140306.600000 | 131100.166666 | 142909.800000 |  |

Initial Calibration Report for SequenceID : FC071524AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 143423.280000 | 126277.905000 | 129307.187500 | 121205.900000 | 134290.150000 |  |
| Aliphatic C28-C40 | 129954.965000 | 112706.890000 | 118683.175000 | 111875.416666 | 122069.133333 |  |
| Aliphatic EPH     | 145691.298333 | 127771.008888 | 132368.522222 | 124069.111111 | 136089.322222 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
 Data File : FC066790.D  
 Signal(s) : FID1A.ch  
 Acq On : 15 Jul 2024 10:02  
 Operator : YP/AJ  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
 Quant Time: Jul 15 13:53:00 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 13:49:40 2024  
 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)    | 11.535 | 16949104   | 105.490 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 210.98%       |
| 12) S 1-chlorooctadecane (S... | 12.971 | 12582826   | 106.164 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 212.33%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.290  | 14444009   | 100.383 ug/ml |
| 2) T n-Decane (C10)            | 4.359  | 15960387   | 104.052 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 5.943  | 17413456   | 104.616 ug/ml |
| 4) T n-Dodecane (C12)          | 6.380  | 16685239   | 105.992 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.002  | 17252949   | 106.208 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.176  | 16316109   | 105.893 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.778  | 16600753   | 105.437 ug/ml |
| 8) T n-Octadecane (C18)        | 11.222 | 16442356   | 105.422 ug/ml |
| 10) T n-Eicosane (C20)         | 12.529 | 15436773   | 105.460 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.141 | 15016420   | 105.308 ug/ml |
| 13) T n-Docosane (C22)         | 13.727 | 14804898   | 105.378 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.828 | 14525999   | 105.096 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.849 | 14173283   | 105.030 ug/ml |
| 16) T n-Octacosane (C28)       | 16.799 | 13865132   | 105.193 ug/ml |
| 17) T n-Tricontane (C30)       | 17.687 | 14101661   | 105.143 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.519 | 13785992   | 104.819 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.302 | 13399880   | 103.790 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.041 | 12758150   | 104.802 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.772 | 12318489   | 105.155 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.674 | 11608807   | 103.386 ug/ml |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

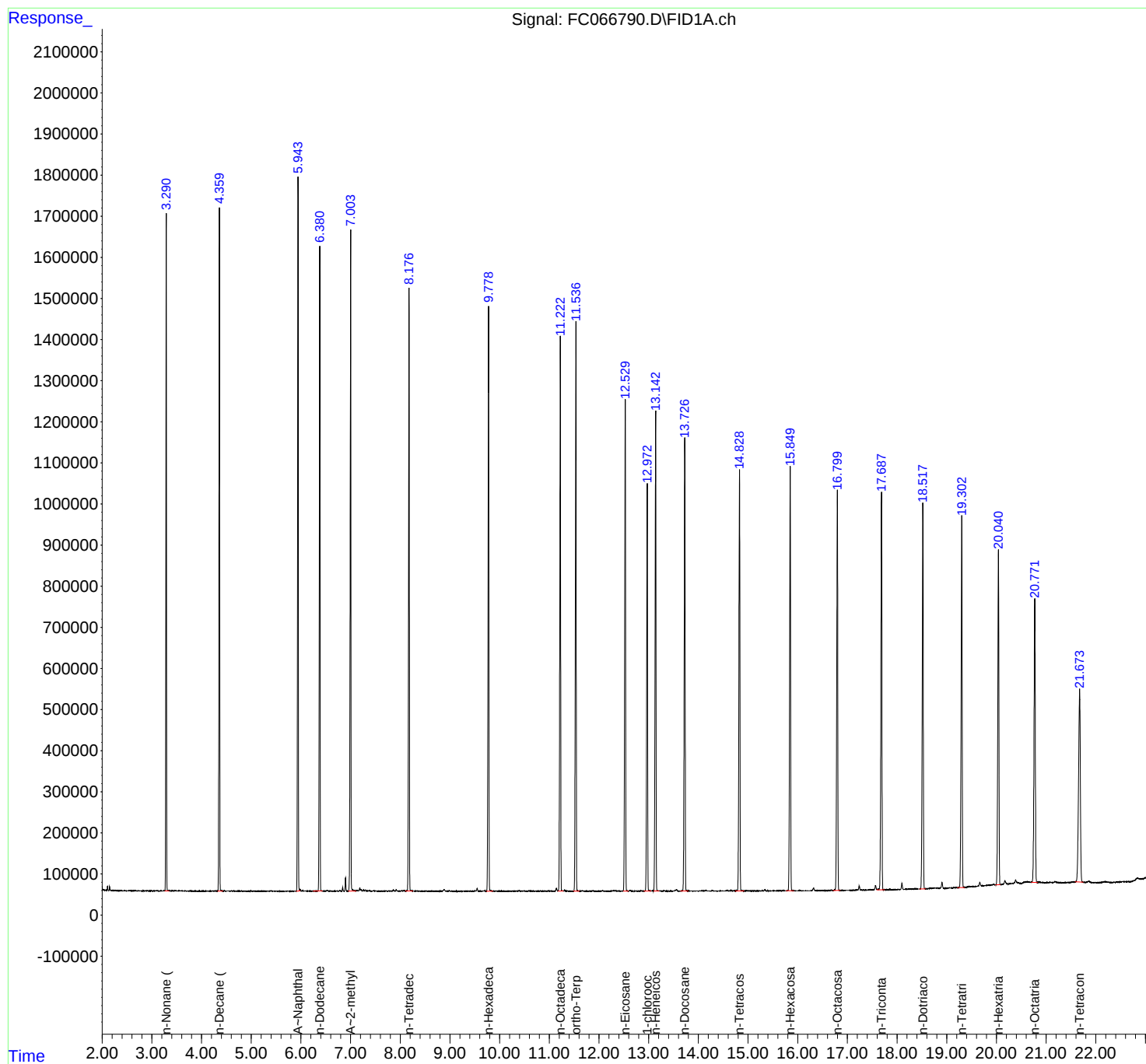
(m)=manual int.

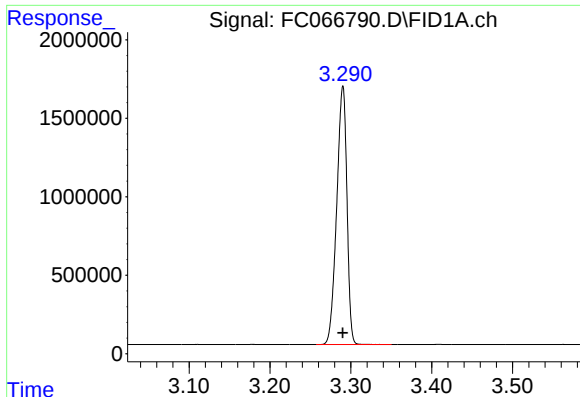
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066790.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 10:02  
Operator : YP/AJ  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
Quant Time: Jul 15 13:53:00 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 13:49:40 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

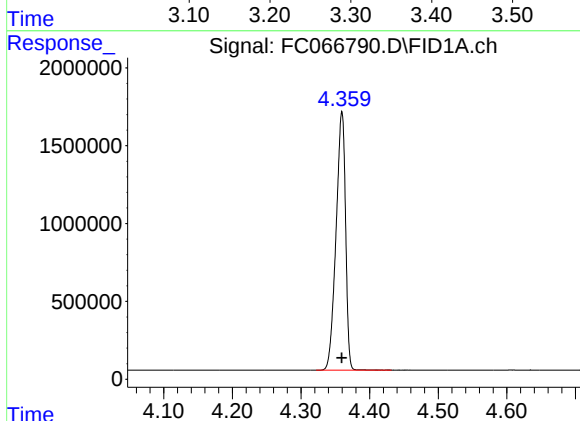




#1 n-Nonane (C9)

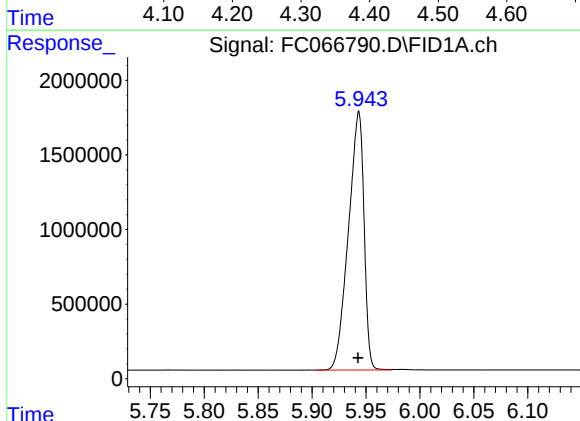
R.T.: 3.290 min  
Delta R.T.: 0.000 min  
Response: 14444009  
Conc: 100.38 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



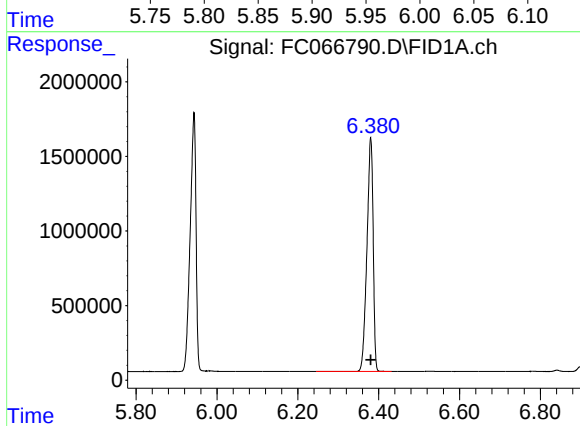
#2 n-Decane (C10)

R.T.: 4.359 min  
Delta R.T.: 0.000 min  
Response: 15960387  
Conc: 104.05 ug/ml



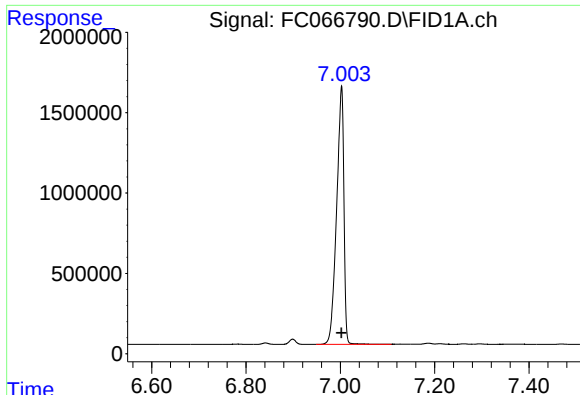
#3 A~Naphthalene (C11.7)

R.T.: 5.943 min  
Delta R.T.: 0.000 min  
Response: 17413456  
Conc: 104.62 ug/ml



#4 n-Dodecane (C12)

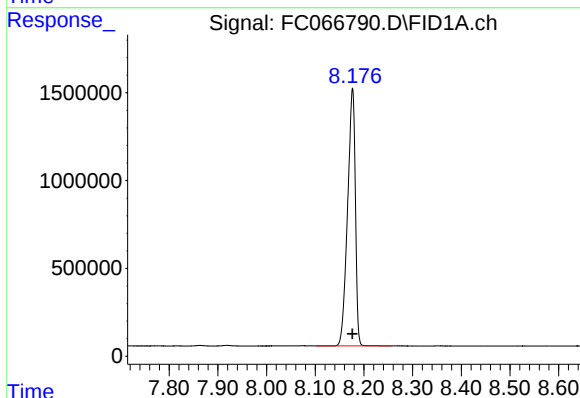
R.T.: 6.380 min  
Delta R.T.: 0.000 min  
Response: 16685239  
Conc: 105.99 ug/ml



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

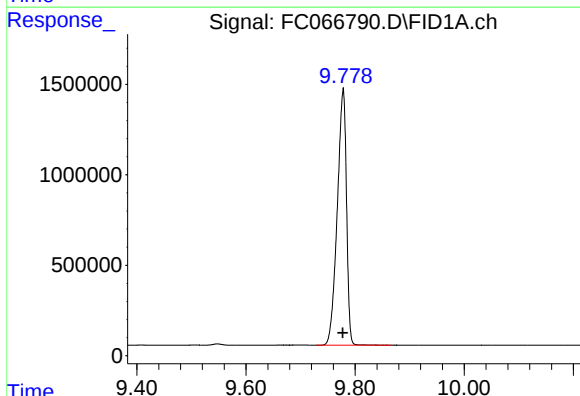
R.T.: 7.002 min  
Delta R.T.: 0.000 min  
Response: 17252949  
Conc: 106.21 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



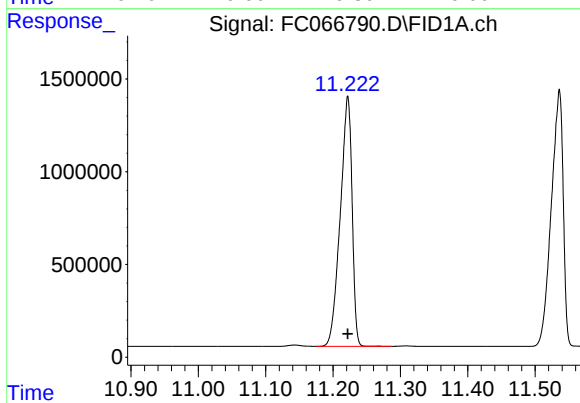
#6 n-Tetradecane (C14)

R.T.: 8.176 min  
Delta R.T.: 0.000 min  
Response: 16316109  
Conc: 105.89 ug/ml



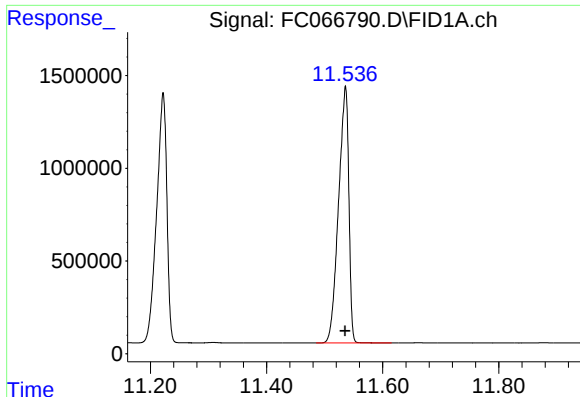
#7 n-Hexadecane (C16)

R.T.: 9.778 min  
Delta R.T.: 0.000 min  
Response: 16600753  
Conc: 105.44 ug/ml



#8 n-Octadecane (C18)

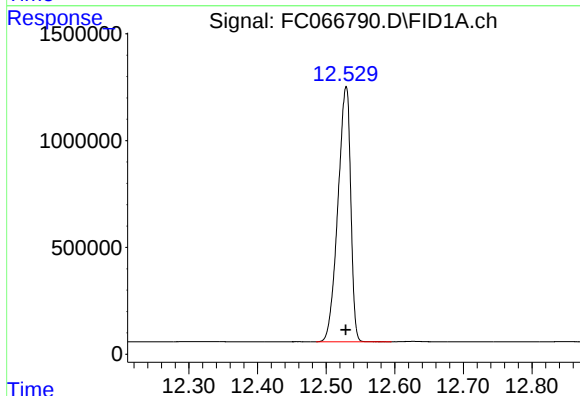
R.T.: 11.222 min  
Delta R.T.: 0.000 min  
Response: 16442356  
Conc: 105.42 ug/ml



#9 ortho-Terphenyl (SURR)

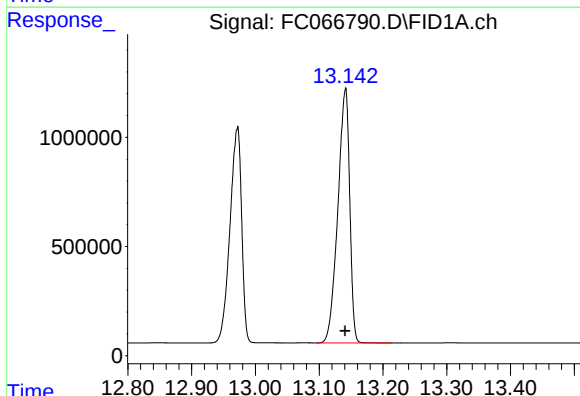
R.T.: 11.535 min  
Delta R.T.: 0.000 min  
Response: 16949104  
Conc: 105.49 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



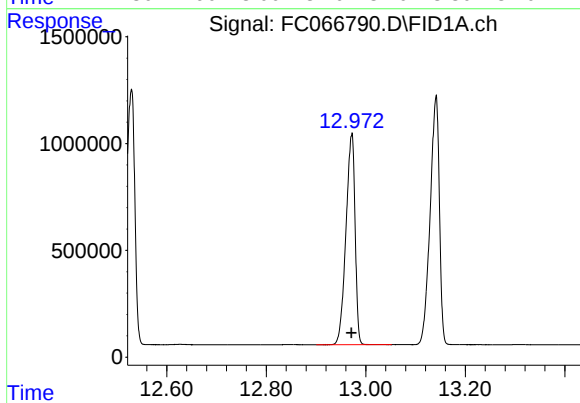
#10 n-Eicosane (C20)

R.T.: 12.529 min  
Delta R.T.: 0.000 min  
Response: 15436773  
Conc: 105.46 ug/ml



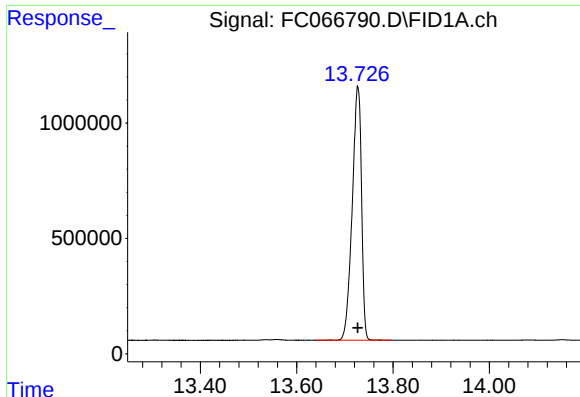
#11 n-Heneicosane (C21)

R.T.: 13.141 min  
Delta R.T.: 0.000 min  
Response: 15016420  
Conc: 105.31 ug/ml



#12 1-chlorooctadecane (SURR)

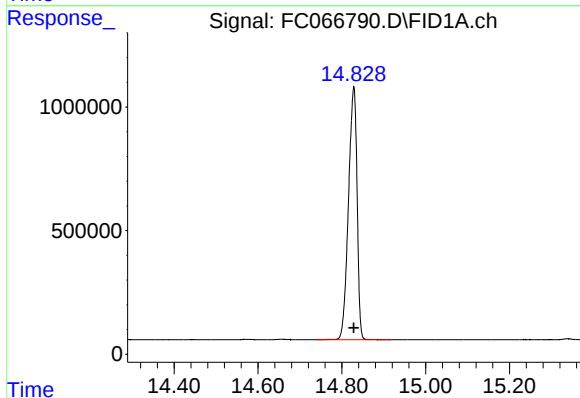
R.T.: 12.971 min  
Delta R.T.: 0.000 min  
Response: 12582826  
Conc: 106.16 ug/ml



#13 n-Docosane (C22)

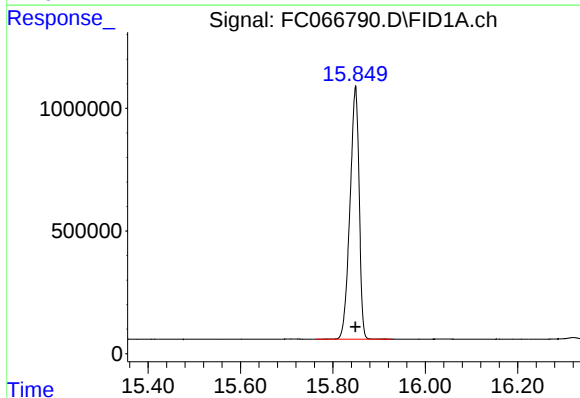
R.T.: 13.727 min  
Delta R.T.: 0.000 min  
Response: 14804898  
Conc: 105.38 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



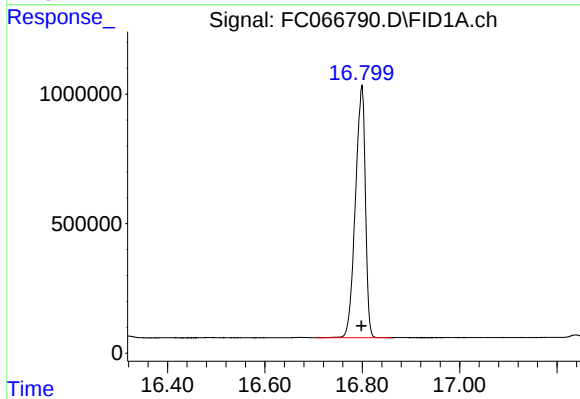
#14 n-Tetracosane (C24)

R.T.: 14.828 min  
Delta R.T.: 0.000 min  
Response: 14525999  
Conc: 105.10 ug/ml



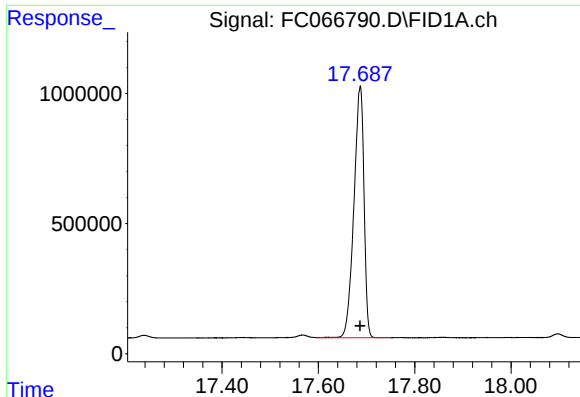
#15 n-Hexacosane (C26)

R.T.: 15.849 min  
Delta R.T.: 0.000 min  
Response: 14173283  
Conc: 105.03 ug/ml



#16 n-Octacosane (C28)

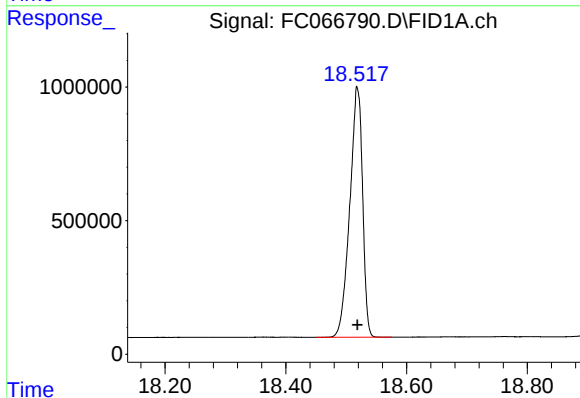
R.T.: 16.799 min  
Delta R.T.: 0.000 min  
Response: 13865132  
Conc: 105.19 ug/ml



#17 n-Tricontane (C30)

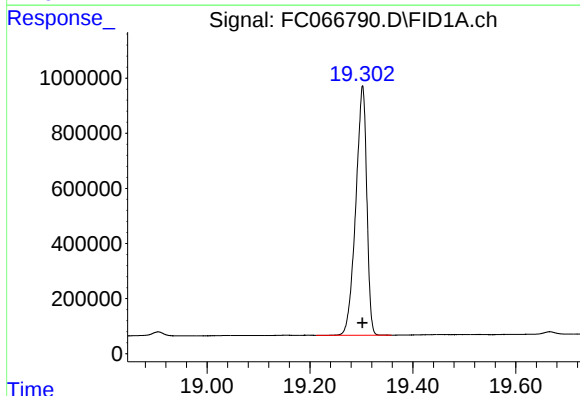
R.T.: 17.687 min  
Delta R.T.: 0.000 min  
Response: 14101661  
Conc: 105.14 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



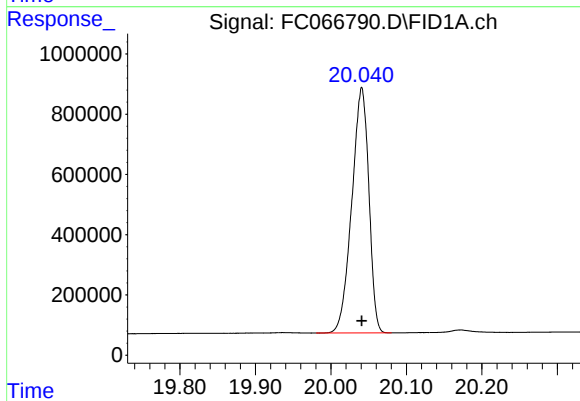
#18 n-Dotriacontane (C32)

R.T.: 18.519 min  
Delta R.T.: 0.000 min  
Response: 13785992  
Conc: 104.82 ug/ml



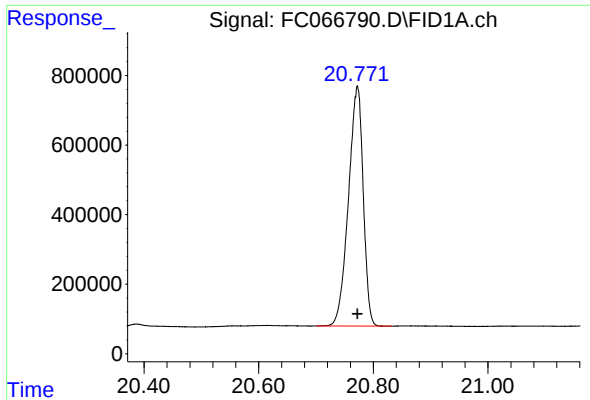
#19 n-Tetratriacontane (C34)

R.T.: 19.302 min  
Delta R.T.: 0.000 min  
Response: 13399880  
Conc: 103.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.041 min  
Delta R.T.: 0.000 min  
Response: 12758150  
Conc: 104.80 ug/ml



#21 n-Octatriacontane (C38)

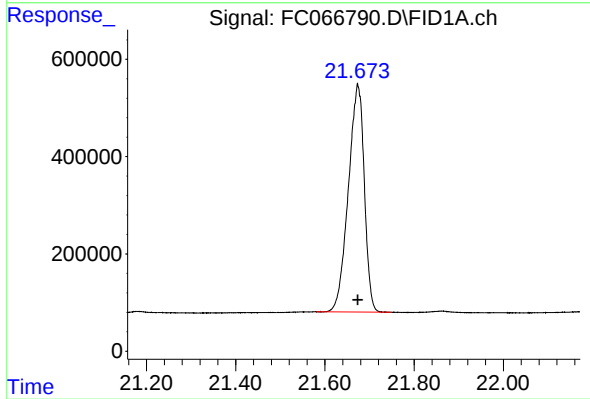
R.T.: 20.772 min  
Delta R.T.: 0.000 min  
Response: 12318489  
Conc: 105.16 ug/ml

Instrument :

FID\_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.674 min  
Delta R.T.: 0.000 min  
Response: 11608807  
Conc: 103.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066790.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 10:02  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.290       | 3.257        | 3.350      | BB       | 1659048        | 14444009     | 82.95%         | 4.425%        |
| 2                       | 4.359       | 4.322        | 4.432      | BB       | 1656428        | 15960387     | 91.66%         | 4.889%        |
| 3                       | 5.943       | 5.904        | 5.974      | BV       | 1707198        | 17413456     | 100.00%        | 5.334%        |
| 4                       | 6.380       | 6.245        | 6.432      | BB       | 1569548        | 16685239     | 95.82%         | 5.111%        |
| 5                       | 7.002       | 6.949        | 7.109      | BV       | 1595659        | 17252949     | 99.08%         | 5.285%        |
| 6                       | 8.176       | 8.102        | 8.257      | BB       | 1476461        | 16316109     | 93.70%         | 4.998%        |
| 7                       | 9.778       | 9.729        | 9.867      | PB       | 1401848        | 16600753     | 95.33%         | 5.085%        |
| 8                       | 11.222      | 11.175       | 11.287     | VV       | 1355105        | 16442356     | 94.42%         | 5.037%        |
| 9                       | 11.535      | 11.485       | 11.615     | BB       | 1384421        | 16949104     | 97.33%         | 5.192%        |
| 10                      | 12.529      | 12.485       | 12.595     | BB       | 1195485        | 15436773     | 88.65%         | 4.729%        |
| 11                      | 12.971      | 12.900       | 13.052     | BB       | 987925         | 12582826     | 72.26%         | 3.855%        |
| 12                      | 13.141      | 13.095       | 13.214     | PB       | 1156931        | 15016420     | 86.23%         | 4.600%        |
| 13                      | 13.727      | 13.640       | 13.797     | BB       | 1100056        | 14804898     | 85.02%         | 4.535%        |
| 14                      | 14.828      | 14.739       | 14.919     | BB       | 1026980        | 14525999     | 83.42%         | 4.450%        |
| 15                      | 15.849      | 15.764       | 15.927     | BB       | 1030805        | 14173283     | 81.39%         | 4.342%        |
| 16                      | 16.799      | 16.705       | 16.860     | BV       | 969459         | 13865132     | 79.62%         | 4.247%        |
| 17                      | 17.687      | 17.595       | 17.752     | VB       | 967042         | 14101661     | 80.98%         | 4.320%        |
| 18                      | 18.519      | 18.450       | 18.575     | BB       | 931237         | 13785992     | 79.17%         | 4.223%        |
| 19                      | 19.302      | 19.212       | 19.359     | BV       | 906755         | 13399880     | 76.95%         | 4.105%        |
| 20                      | 20.041      | 19.980       | 20.080     | BV       | 816193         | 12758150     | 73.27%         | 3.908%        |
| 21                      | 20.772      | 20.700       | 20.832     | BV       | 692441         | 12318489     | 70.74%         | 3.774%        |
| 22                      | 21.674      | 21.580       | 21.750     | BBA      | 467081         | 11608807     | 66.67%         | 3.556%        |
| Sum of corrected areas: |             |              |            |          |                | 326442669    |                |               |

Aliphatic EPH 071524.M Mon Jul 15 17:19:01 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
 Data File : FC066791.D  
 Signal(s) : FID1A.ch  
 Acq On : 15 Jul 2024 10:40  
 Operator : YP/AJ  
 Sample : 50 PPM ALIPHATIC HC STD2  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
 Quant Time: Jul 15 13:54:39 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 13:49:40 2024  
 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)    | 11.527 | 7442069    | 47.484 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 94.97%       |
| 12) S 1-chlorooctadecane (S... | 12.965 | 5492623    | 47.501 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 95.00%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.288  | 6994952    | 49.067 ug/ml |
| 2) T n-Decane (C10)            | 4.355  | 7168795    | 47.776 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 5.937  | 7739223    | 47.608 ug/ml |
| 4) T n-Dodecane (C12)          | 6.375  | 7184682    | 47.007 ug/ml |
| 5) T A~2-methylnaphthalene...  | 6.995  | 7410057    | 46.989 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.170  | 7019423    | 46.947 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.772  | 7155726    | 46.871 ug/ml |
| 8) T n-Octadecane (C18)        | 11.214 | 7112328    | 46.979 ug/ml |
| 10) T n-Eicosane (C20)         | 12.523 | 6719851    | 47.196 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.134 | 6570503    | 47.315 ug/ml |
| 13) T n-Docosane (C22)         | 13.720 | 6490838    | 47.401 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.822 | 6409722    | 47.523 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.842 | 6259504    | 47.531 ug/ml |
| 16) T n-Octacosane (C28)       | 16.792 | 6095517    | 47.433 ug/ml |
| 17) T n-Tricontane (C30)       | 17.679 | 6142405    | 47.118 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.511 | 5985299    | 46.913 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.296 | 5782662    | 46.402 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.034 | 5542069    | 46.925 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.764 | 5289429    | 46.660 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.663 | 5070203    | 46.662 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

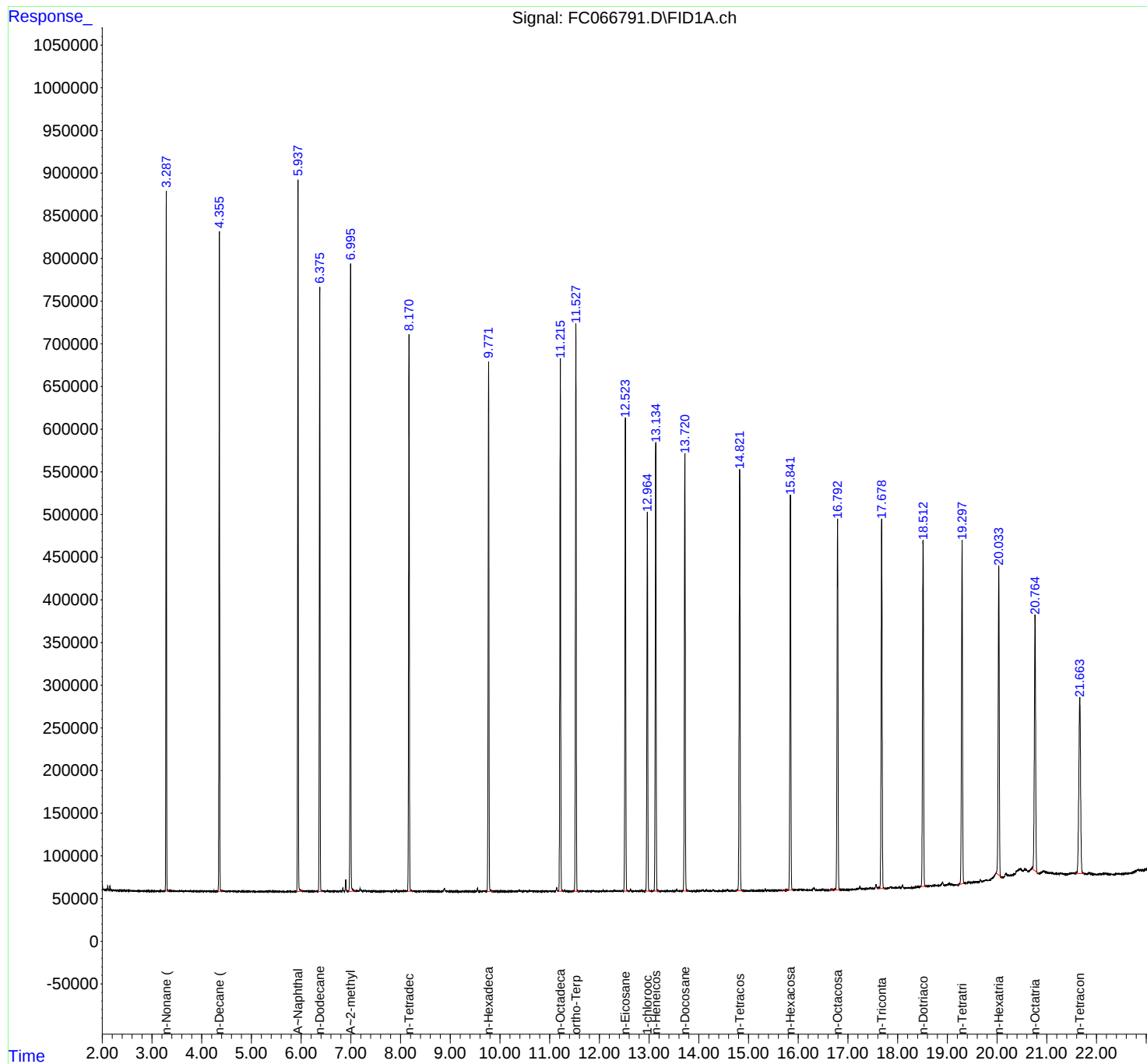
(m)=manual int.

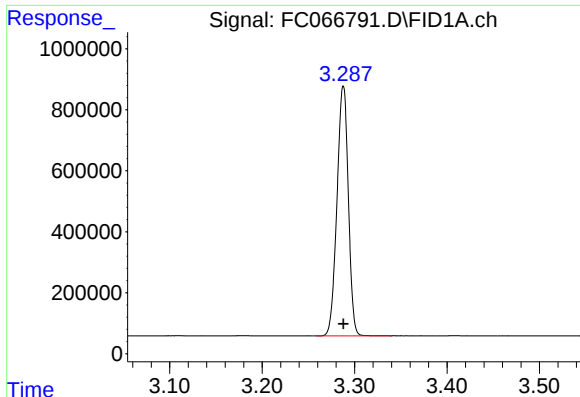
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066791.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 10:40  
Operator : YP/AJ  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
Quant Time: Jul 15 13:54:39 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 13:49:40 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

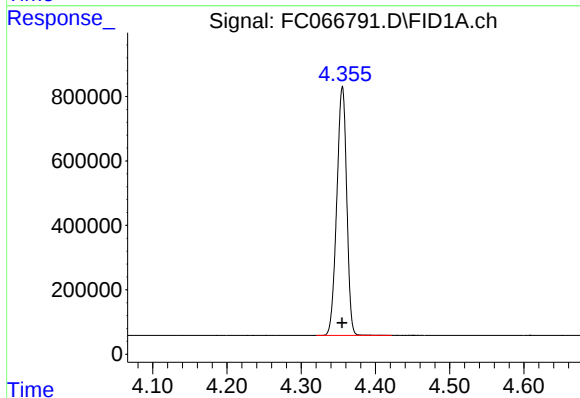




#1 n-Nonane (C9)

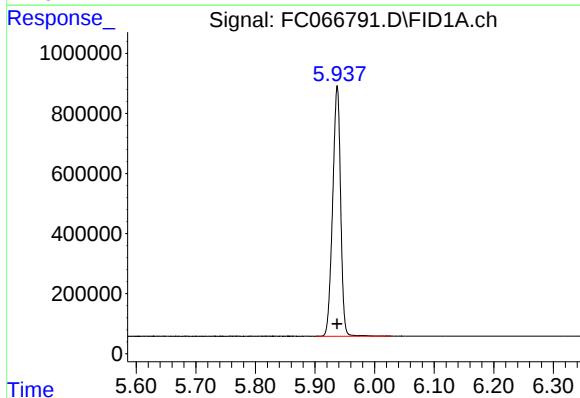
R.T.: 3.288 min  
Delta R.T.: 0.000 min  
Response: 6994952  
Conc: 49.07 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



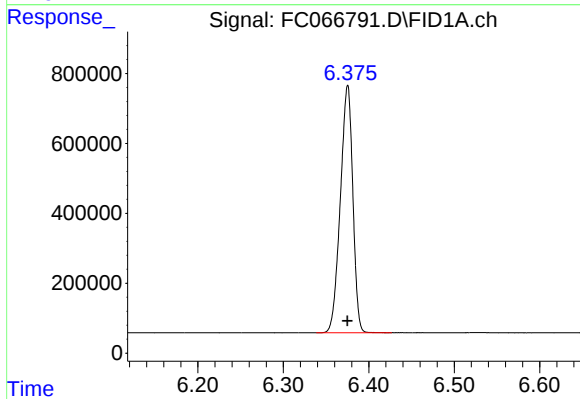
#2 n-Decane (C10)

R.T.: 4.355 min  
Delta R.T.: 0.000 min  
Response: 7168795  
Conc: 47.78 ug/ml



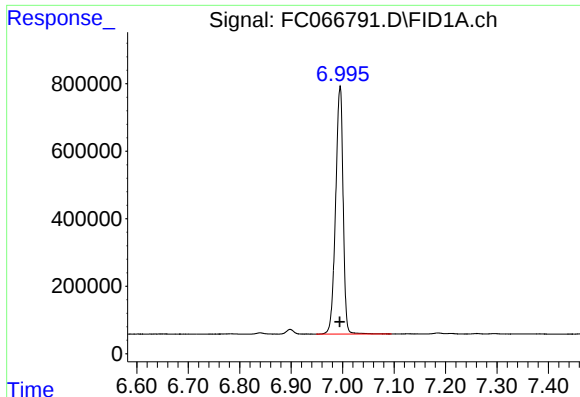
#3 A~Naphthalene (C11.7)

R.T.: 5.937 min  
Delta R.T.: 0.000 min  
Response: 7739223  
Conc: 47.61 ug/ml



#4 n-Dodecane (C12)

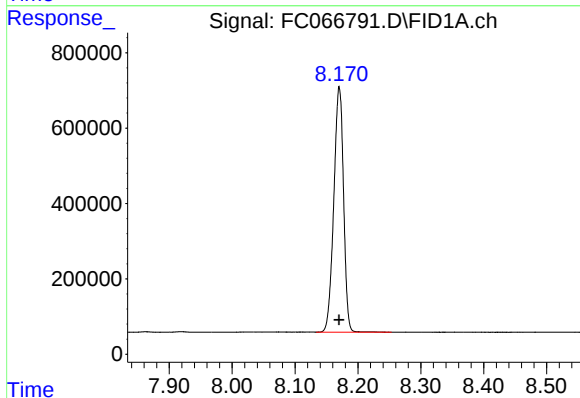
R.T.: 6.375 min  
Delta R.T.: 0.000 min  
Response: 7184682  
Conc: 47.01 ug/ml



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

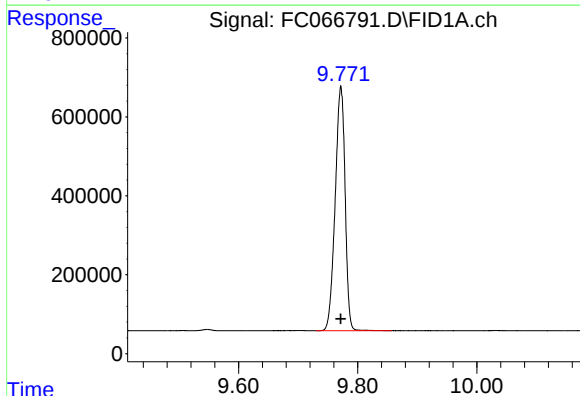
R.T.: 6.995 min  
Delta R.T.: 0.000 min  
Response: 7410057  
Conc: 46.99 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



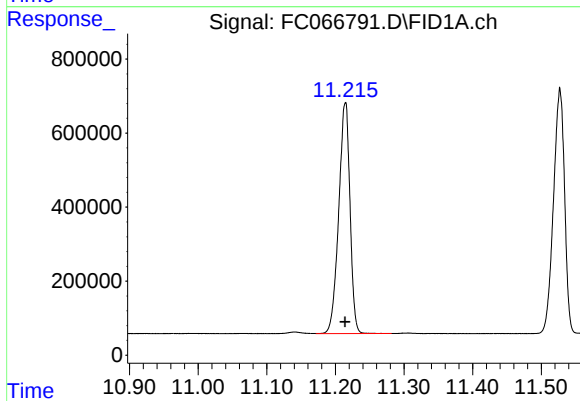
#6 n-Tetradecane (C14)

R.T.: 8.170 min  
Delta R.T.: 0.000 min  
Response: 7019423  
Conc: 46.95 ug/ml



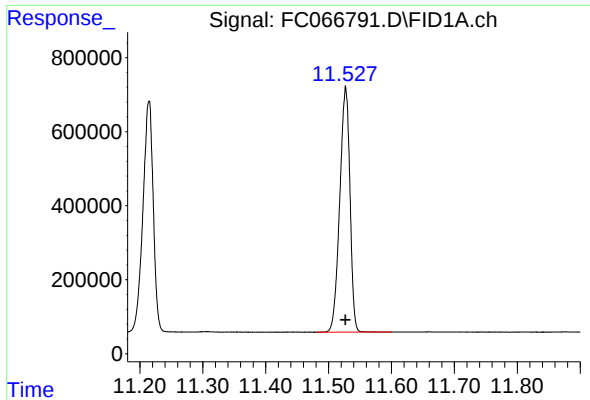
#7 n-Hexadecane (C16)

R.T.: 9.772 min  
Delta R.T.: 0.000 min  
Response: 7155726  
Conc: 46.87 ug/ml



#8 n-Octadecane (C18)

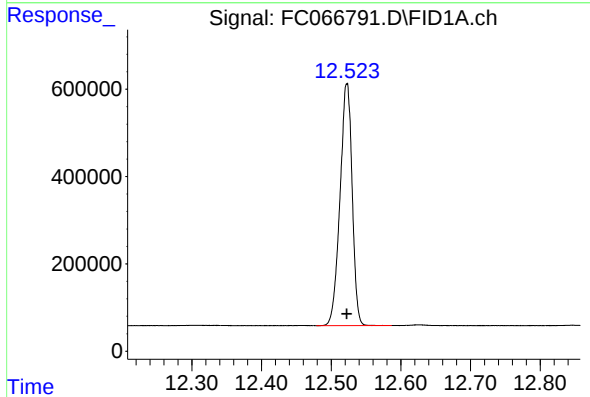
R.T.: 11.214 min  
Delta R.T.: 0.000 min  
Response: 7112328  
Conc: 46.98 ug/ml



#9 ortho-Terphenyl (SURR)

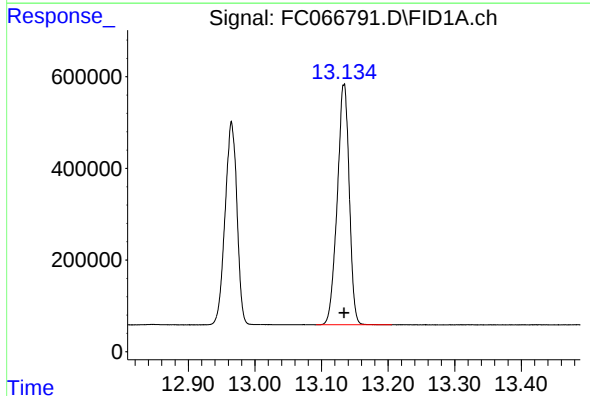
R.T.: 11.527 min  
Delta R.T.: 0.000 min  
Response: 7442069  
Conc: 47.48 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



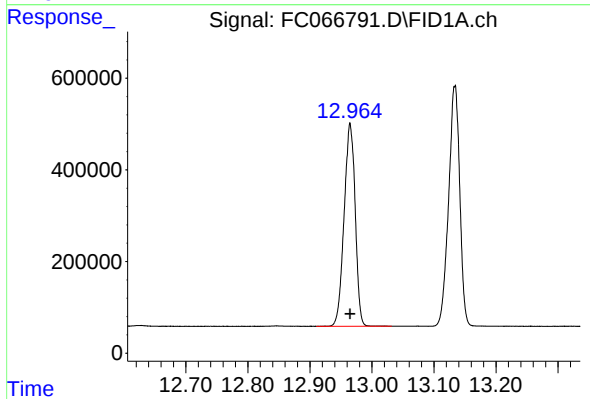
#10 n-Eicosane (C20)

R.T.: 12.523 min  
Delta R.T.: 0.000 min  
Response: 6719851  
Conc: 47.20 ug/ml



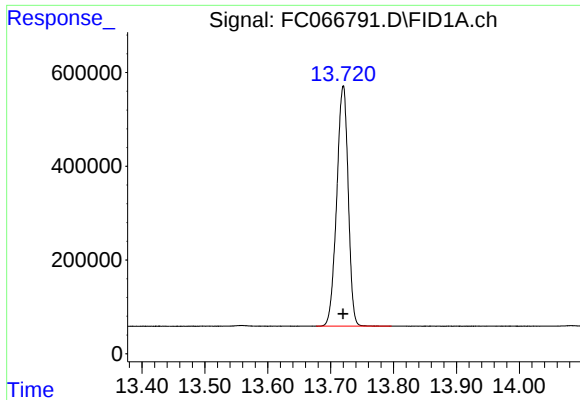
#11 n-Heneicosane (C21)

R.T.: 13.134 min  
Delta R.T.: 0.000 min  
Response: 6570503  
Conc: 47.32 ug/ml



#12 1-chlorooctadecane (SURR)

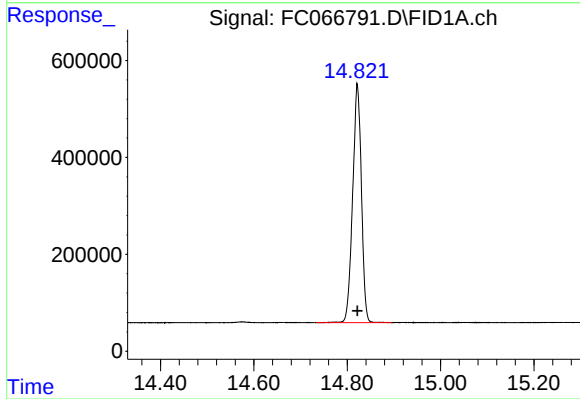
R.T.: 12.965 min  
Delta R.T.: 0.000 min  
Response: 5492623  
Conc: 47.50 ug/ml



#13 n-Docosane (C22)

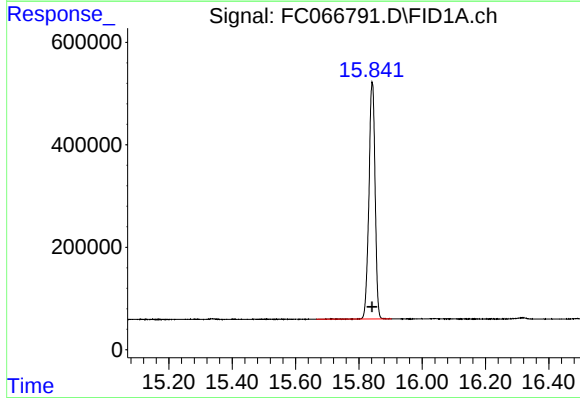
R.T.: 13.720 min  
Delta R.T.: 0.000 min  
Response: 6490838  
Conc: 47.40 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



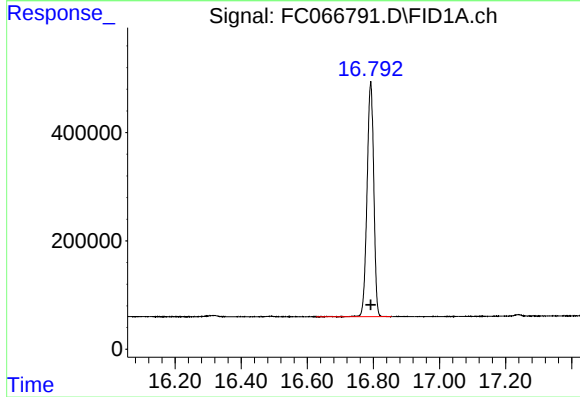
#14 n-Tetracosane (C24)

R.T.: 14.822 min  
Delta R.T.: 0.000 min  
Response: 6409722  
Conc: 47.52 ug/ml



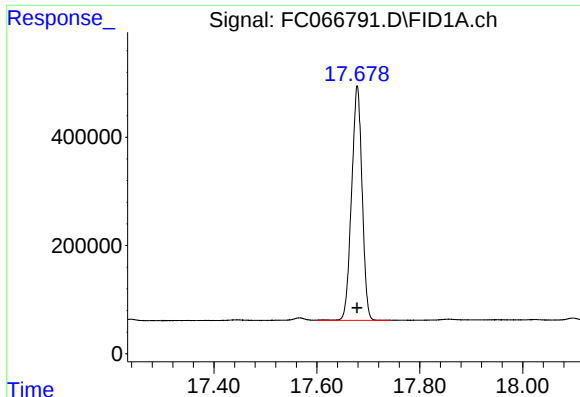
#15 n-Hexacosane (C26)

R.T.: 15.842 min  
Delta R.T.: 0.000 min  
Response: 6259504  
Conc: 47.53 ug/ml



#16 n-Octacosane (C28)

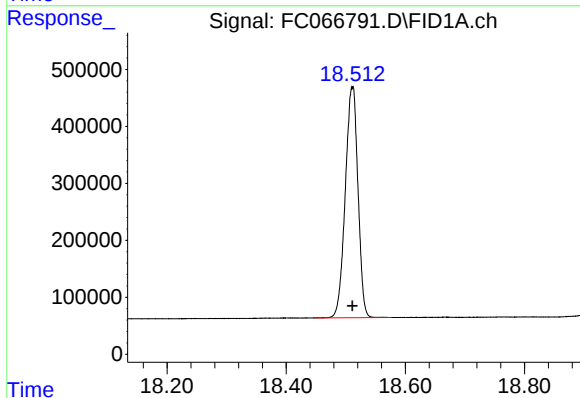
R.T.: 16.792 min  
Delta R.T.: 0.000 min  
Response: 6095517  
Conc: 47.43 ug/ml



#17 n-Tricontane (C30)

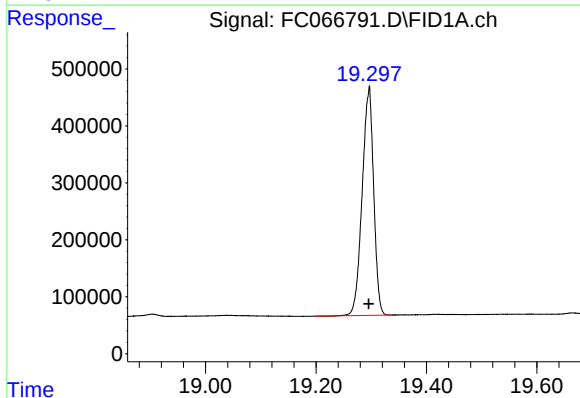
R.T.: 17.679 min  
Delta R.T.: 0.000 min  
Response: 6142405  
Conc: 47.12 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



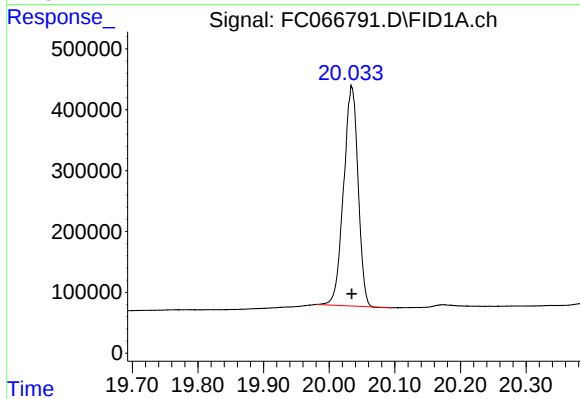
#18 n-Dotriacontane (C32)

R.T.: 18.511 min  
Delta R.T.: 0.000 min  
Response: 5985299  
Conc: 46.91 ug/ml



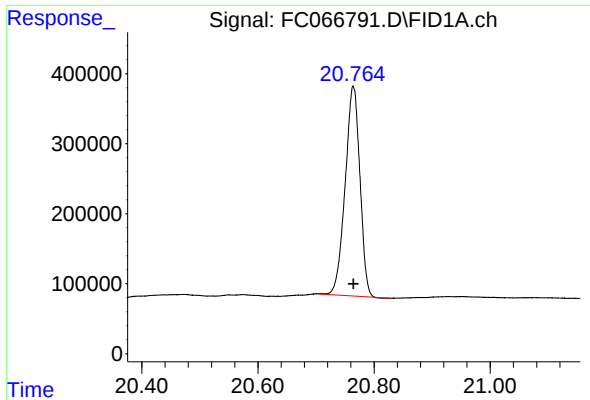
#19 n-Tetratriacontane (C34)

R.T.: 19.296 min  
Delta R.T.: 0.000 min  
Response: 5782662  
Conc: 46.40 ug/ml



#20 n-Hexatriacontane (C36)

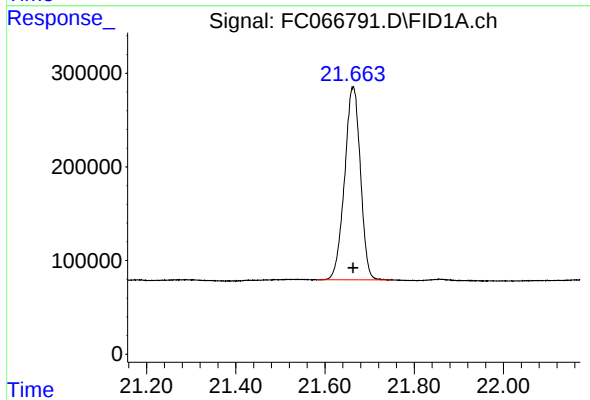
R.T.: 20.034 min  
Delta R.T.: 0.000 min  
Response: 5542069  
Conc: 46.93 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.764 min  
Delta R.T.: 0.000 min  
Response: 5289429  
Conc: 46.66 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.663 min  
Delta R.T.: 0.000 min  
Response: 5070203  
Conc: 46.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066791.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 10:40  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.288       | 3.259        | 3.340      | BB       | 824489         | 6994952      | 90.38%         | 4.889%        |
| 2         | 4.355       | 4.320        | 4.422      | BB       | 771960         | 7168795      | 92.63%         | 5.010%        |
| 3         | 5.937       | 5.902        | 6.029      | BB       | 833540         | 7739223      | 100.00%        | 5.409%        |
| 4         | 6.375       | 6.339        | 6.427      | BB       | 709740         | 7184682      | 92.83%         | 5.022%        |
| 5         | 6.995       | 6.949        | 7.095      | BB       | 735569         | 7410057      | 95.75%         | 5.179%        |
| 6         | 8.170       | 8.133        | 8.254      | BB       | 652062         | 7019423      | 90.70%         | 4.906%        |
| 7         | 9.772       | 9.730        | 9.857      | BB       | 620742         | 7155726      | 92.46%         | 5.001%        |
| 8         | 11.214      | 11.172       | 11.282     | VV       | 623187         | 7112328      | 91.90%         | 4.971%        |
| 9         | 11.527      | 11.480       | 11.600     | BB       | 663362         | 7442069      | 96.16%         | 5.201%        |
| 10        | 12.523      | 12.479       | 12.587     | BB       | 554690         | 6719851      | 86.83%         | 4.697%        |
| 11        | 12.965      | 12.910       | 13.032     | BB       | 441768         | 5492623      | 70.97%         | 3.839%        |
| 12        | 13.134      | 13.092       | 13.205     | BB       | 523880         | 6570503      | 84.90%         | 4.592%        |
| 13        | 13.720      | 13.677       | 13.797     | BB       | 513659         | 6490838      | 83.87%         | 4.537%        |
| 14        | 14.822      | 14.734       | 14.895     | BB       | 490487         | 6409722      | 82.82%         | 4.480%        |
| 15        | 15.842      | 15.665       | 15.904     | BB       | 463090         | 6259504      | 80.88%         | 4.375%        |
| 16        | 16.792      | 16.627       | 16.855     | BB       | 432647         | 6095517      | 78.76%         | 4.260%        |
| 17        | 17.679      | 17.599       | 17.745     | VB       | 432973         | 6142405      | 79.37%         | 4.293%        |
| 18        | 18.511      | 18.450       | 18.577     | BB       | 404738         | 5985299      | 77.34%         | 4.183%        |
| 19        | 19.296      | 19.200       | 19.337     | BB       | 393397         | 5782662      | 74.72%         | 4.042%        |
| 20        | 20.034      | 19.980       | 20.095     | BB       | 361949         | 5542069      | 71.61%         | 3.873%        |
| 21        | 20.764      | 20.700       | 20.830     | BV       | 299910         | 5289429      | 68.35%         | 3.697%        |
| 22        | 21.663      | 21.580       | 21.749     | BBA      | 206702         | 5070203      | 65.51%         | 3.544%        |

Sum of corrected areas: 143077880

Aliphatic EPH 071524.M Mon Jul 15 17:19:42 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
 Data File : FC066792.D  
 Signal(s) : FID1A.ch  
 Acq On : 15 Jul 2024 11:19  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
 Quant Time: Jul 15 13:51:00 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 13:49:40 2024  
 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)    | 11.523 | 3036979    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| 12) S 1-chlorooctadecane (S... | 12.962 | 2224318    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.286  | 2866735    | 20.000 ug/ml |
| 2) T n-Decane (C10)            | 4.353  | 2943486    | 20.000 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 5.935  | 3175386    | 20.000 ug/ml |
| 4) T n-Dodecane (C12)          | 6.373  | 2959730    | 20.000 ug/ml |
| 5) T A~2-methylnaphthalene...  | 6.992  | 3047187    | 20.000 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.168  | 2900023    | 20.000 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.769  | 2977742    | 20.000 ug/ml |
| 8) T n-Octadecane (C18)        | 11.210 | 2950229    | 20.000 ug/ml |
| 10) T n-Eicosane (C20)         | 12.519 | 2767651    | 20.000 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.130 | 2700516    | 20.000 ug/ml |
| 13) T n-Docosane (C22)         | 13.717 | 2658759    | 20.000 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.819 | 2623445    | 20.000 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.840 | 2563156    | 20.000 ug/ml |
| 16) T n-Octacosane (C28)       | 16.788 | 2499215    | 20.000 ug/ml |
| 17) T n-Tricontane (C30)       | 17.676 | 2544442    | 20.000 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.507 | 2503675    | 20.000 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.291 | 2484251    | 20.000 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.031 | 2317791    | 20.000 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.760 | 2222127    | 20.000 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.658 | 2169695    | 20.000 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

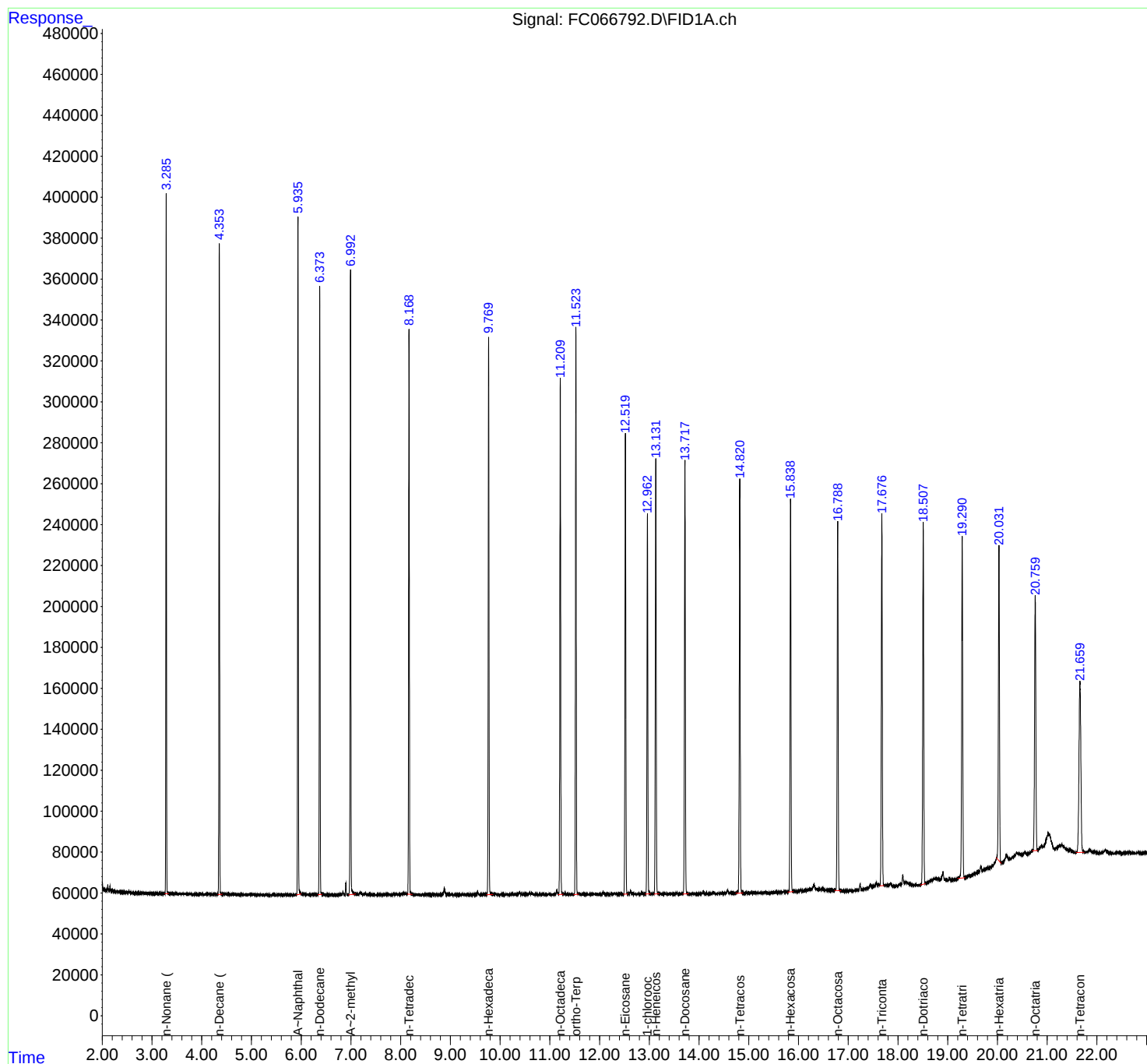
(m)=manual int.

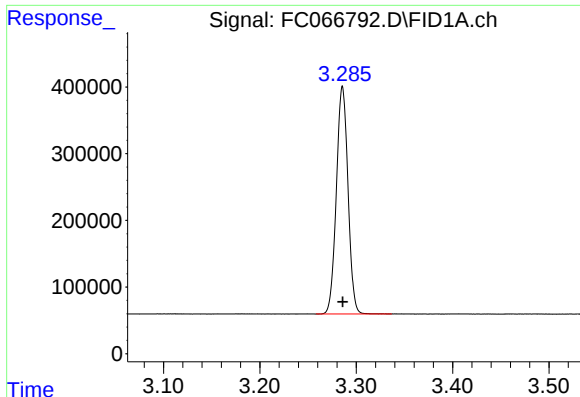
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066792.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 11:19  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
Quant Time: Jul 15 13:51:00 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 13:49:40 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

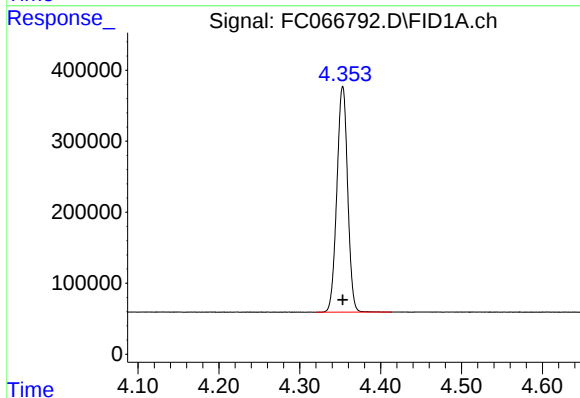




#1 n-Nonane (C9)

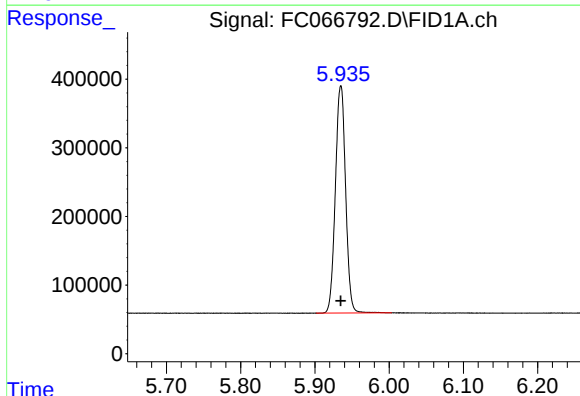
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 2866735  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



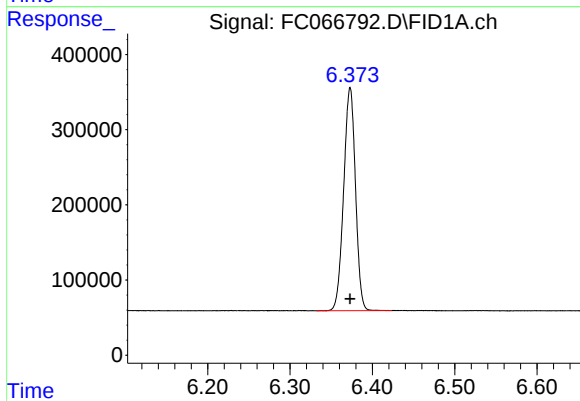
#2 n-Decane (C10)

R.T.: 4.353 min  
Delta R.T.: 0.000 min  
Response: 2943486  
Conc: 20.00 ug/ml



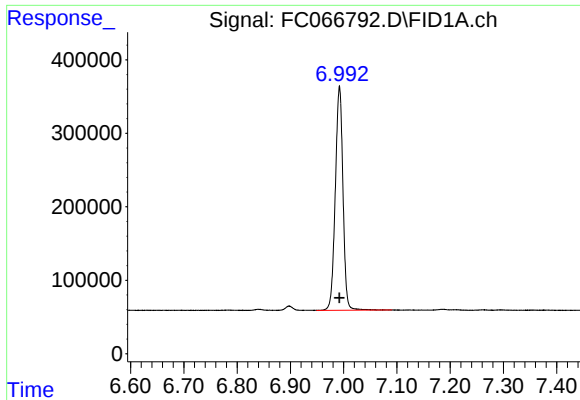
#3 A~Naphthalene (C11.7)

R.T.: 5.935 min  
Delta R.T.: 0.000 min  
Response: 3175386  
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

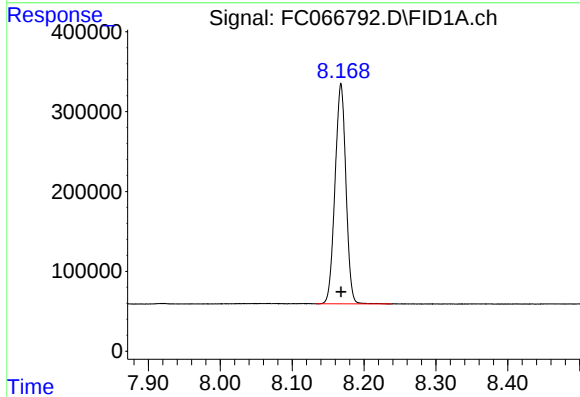
R.T.: 6.373 min  
Delta R.T.: 0.000 min  
Response: 2959730  
Conc: 20.00 ug/ml



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

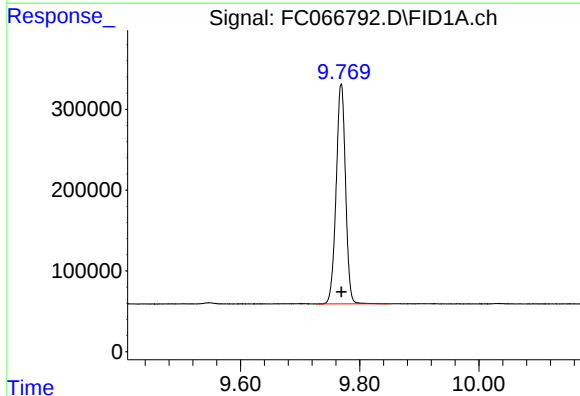
R.T.: 6.992 min  
Delta R.T.: 0.000 min  
Response: 3047187  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



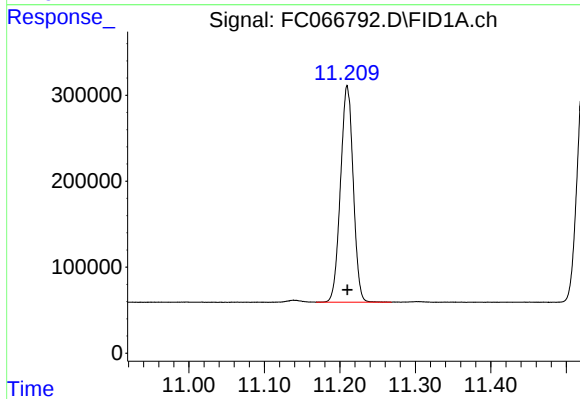
#6 n-Tetradecane (C14)

R.T.: 8.168 min  
Delta R.T.: 0.000 min  
Response: 2900023  
Conc: 20.00 ug/ml



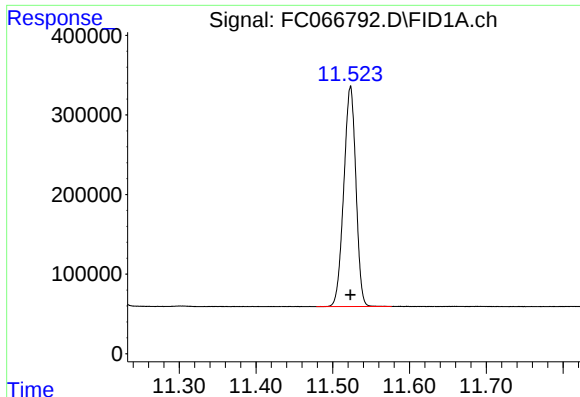
#7 n-Hexadecane (C16)

R.T.: 9.769 min  
Delta R.T.: 0.000 min  
Response: 2977742  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

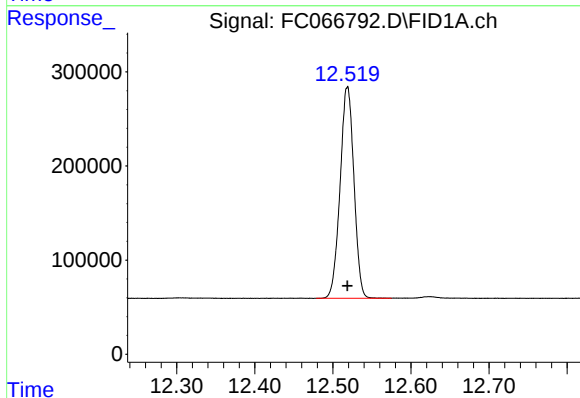
R.T.: 11.210 min  
Delta R.T.: 0.000 min  
Response: 2950229  
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

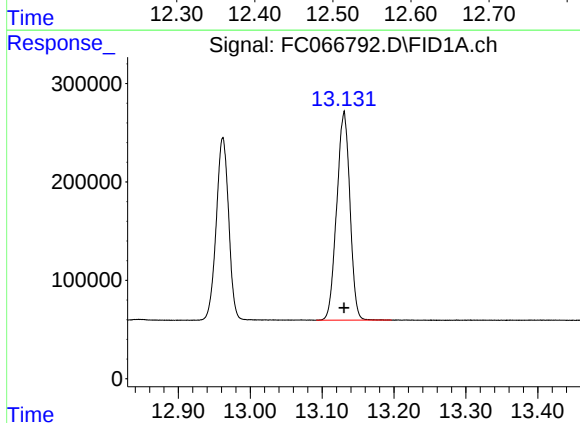
R.T.: 11.523 min  
Delta R.T.: 0.000 min  
Response: 3036979  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



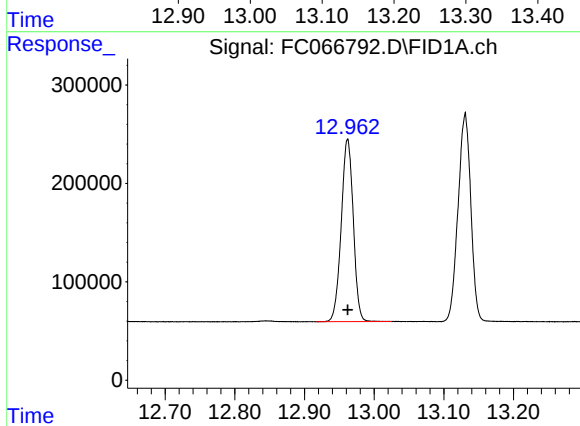
#10 n-Eicosane (C20)

R.T.: 12.519 min  
Delta R.T.: 0.000 min  
Response: 2767651  
Conc: 20.00 ug/ml



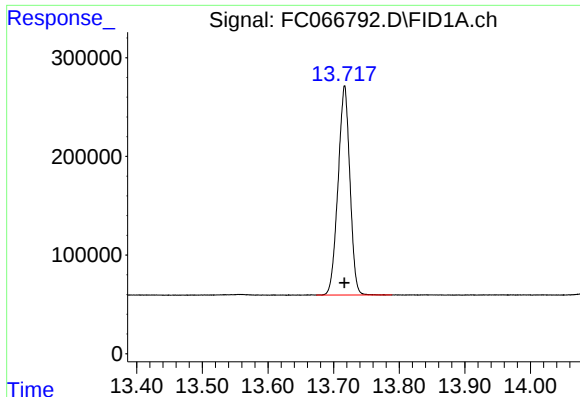
#11 n-Heneicosane (C21)

R.T.: 13.130 min  
Delta R.T.: 0.000 min  
Response: 2700516  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

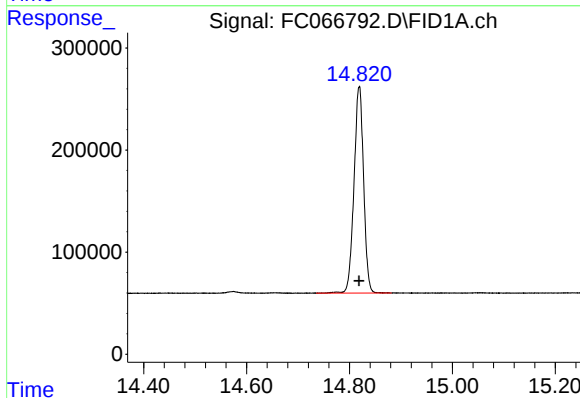
R.T.: 12.962 min  
Delta R.T.: 0.000 min  
Response: 2224318  
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

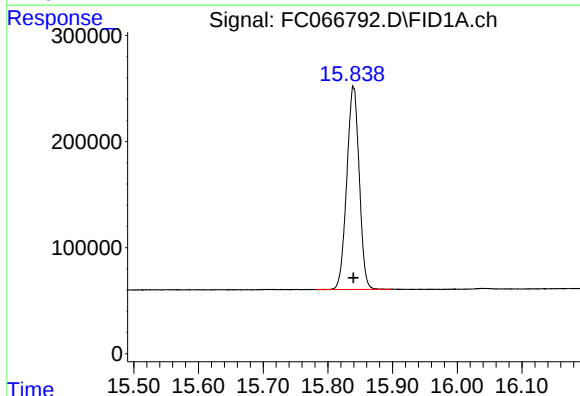
R.T.: 13.717 min  
Delta R.T.: 0.000 min  
Response: 2658759  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



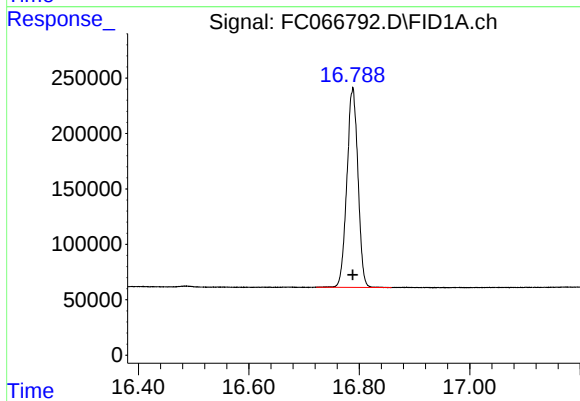
#14 n-Tetracosane (C24)

R.T.: 14.819 min  
Delta R.T.: 0.000 min  
Response: 2623445  
Conc: 20.00 ug/ml



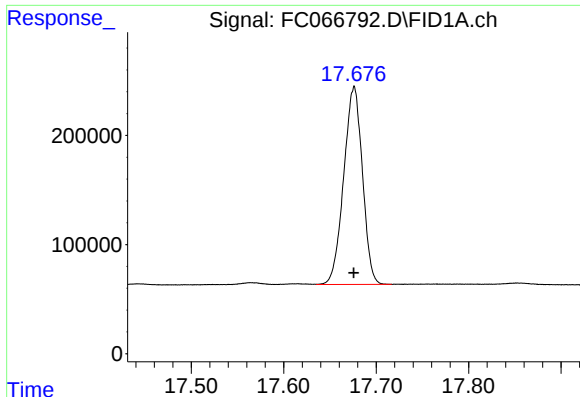
#15 n-Hexacosane (C26)

R.T.: 15.840 min  
Delta R.T.: 0.000 min  
Response: 2563156  
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

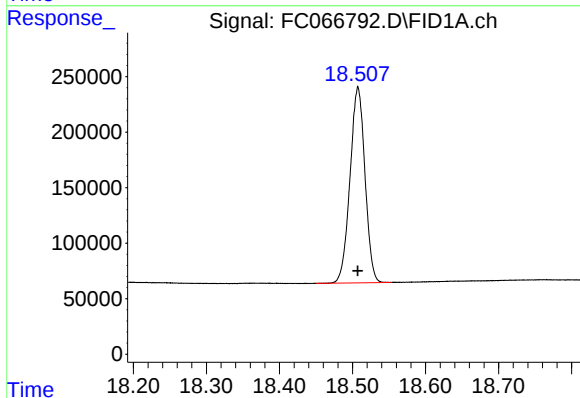
R.T.: 16.788 min  
Delta R.T.: 0.000 min  
Response: 2499215  
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

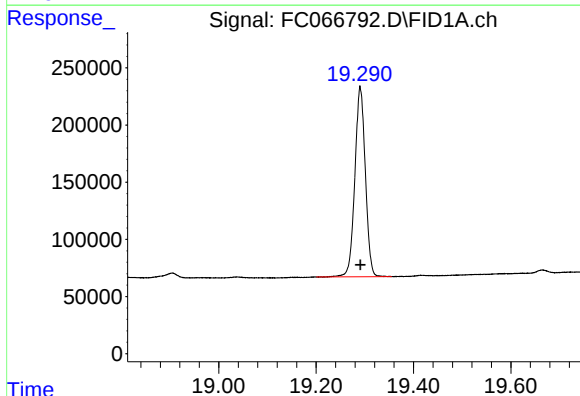
R.T.: 17.676 min  
Delta R.T.: 0.000 min  
Response: 2544442  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



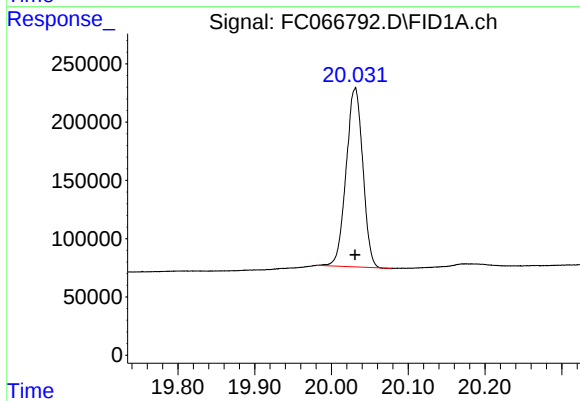
#18 n-Dotriacontane (C32)

R.T.: 18.507 min  
Delta R.T.: 0.000 min  
Response: 2503675  
Conc: 20.00 ug/ml



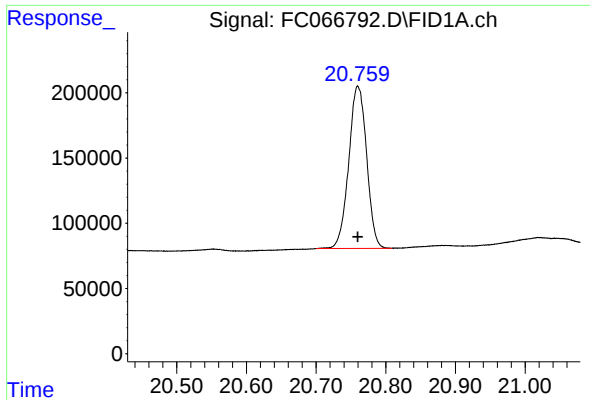
#19 n-Tetratriacontane (C34)

R.T.: 19.291 min  
Delta R.T.: 0.000 min  
Response: 2484251  
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

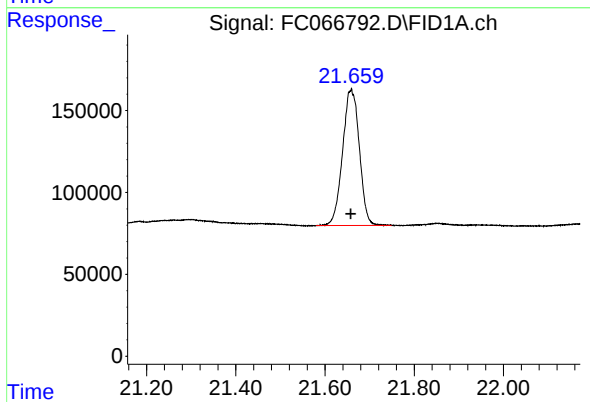
R.T.: 20.031 min  
Delta R.T.: 0.000 min  
Response: 2317791  
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.760 min  
Delta R.T.: 0.000 min  
Response: 2222127  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.658 min  
Delta R.T.: 0.000 min  
Response: 2169695  
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066792.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 11:19  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.286       | 3.258        | 3.337      | BB       | 340633         | 2866735      | 90.28%         | 4.848%        |
| 2                       | 4.353       | 4.320        | 4.413      | BB       | 318828         | 2943486      | 92.70%         | 4.977%        |
| 3                       | 5.935       | 5.902        | 6.003      | BB       | 332053         | 3175386      | 100.00%        | 5.370%        |
| 4                       | 6.373       | 6.332        | 6.423      | BB       | 297847         | 2959730      | 93.21%         | 5.005%        |
| 5                       | 6.992       | 6.948        | 7.090      | BB       | 304882         | 3047187      | 95.96%         | 5.153%        |
| 6                       | 8.168       | 8.133        | 8.238      | BB       | 276476         | 2900023      | 91.33%         | 4.904%        |
| 7                       | 9.769       | 9.727        | 9.853      | BB       | 272160         | 2977742      | 93.78%         | 5.035%        |
| 8                       | 11.210      | 11.168       | 11.268     | VB       | 251220         | 2950229      | 92.91%         | 4.989%        |
| 9                       | 11.523      | 11.478       | 11.577     | BB       | 277246         | 3036979      | 95.64%         | 5.136%        |
| 10                      | 12.519      | 12.478       | 12.575     | BB       | 224022         | 2767651      | 87.16%         | 4.680%        |
| 11                      | 12.962      | 12.917       | 13.025     | BB       | 185326         | 2224318      | 70.05%         | 3.761%        |
| 12                      | 13.130      | 13.092       | 13.197     | BB       | 210801         | 2700516      | 85.05%         | 4.567%        |
| 13                      | 13.717      | 13.673       | 13.788     | BB       | 212759         | 2658759      | 83.73%         | 4.496%        |
| 14                      | 14.819      | 14.735       | 14.882     | BB       | 202211         | 2623445      | 82.62%         | 4.436%        |
| 15                      | 15.840      | 15.782       | 15.898     | BB       | 189755         | 2563156      | 80.72%         | 4.334%        |
| 16                      | 16.788      | 16.722       | 16.858     | BB       | 180533         | 2499215      | 78.71%         | 4.226%        |
| 17                      | 17.676      | 17.635       | 17.717     | VB       | 179944         | 2544442      | 80.13%         | 4.303%        |
| 18                      | 18.507      | 18.450       | 18.553     | BB       | 176099         | 2503675      | 78.85%         | 4.234%        |
| 19                      | 19.291      | 19.200       | 19.355     | BB       | 166376         | 2484251      | 78.23%         | 4.201%        |
| 20                      | 20.031      | 19.980       | 20.078     | BB       | 152850         | 2317791      | 72.99%         | 3.919%        |
| 21                      | 20.760      | 20.700       | 20.808     | BV       | 124313         | 2222127      | 69.98%         | 3.758%        |
| 22                      | 21.658      | 21.580       | 21.749     | BBA      | 82846          | 2169695      | 68.33%         | 3.669%        |
| Sum of corrected areas: |             |              |            |          |                | 59136535     |                |               |

Aliphatic EPH 071524.M Mon Jul 15 17:20:13 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
 Data File : FC066793.D  
 Signal(s) : FID1A.ch  
 Acq On : 15 Jul 2024 11:59  
 Operator : YP/AJ  
 Sample : 10 PPM ALIPHATIC HC STD4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e  
 Quant Time: Jul 15 13:56:18 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 13:49:40 2024  
 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)    | 11.522 | 1425423    | 9.305 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 18.61%      |
| 12) S 1-chlorooctadecane (S... | 12.961 | 1019730    | 9.087 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 18.17%      |
| Target Compounds               |        |            |             |
| 1) T n-Nonane (C9)             | 3.287  | 1327198    | 9.473 ug/ml |
| 2) T n-Decane (C10)            | 4.354  | 1375812    | 9.363 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 5.935  | 1485557    | 9.340 ug/ml |
| 4) T n-Dodecane (C12)          | 6.372  | 1391111    | 9.311 ug/ml |
| 5) T A~2-methylnaphthalene...  | 6.992  | 1416943    | 9.219 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.167  | 1353773    | 9.274 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.768  | 1390780    | 9.317 ug/ml |
| 8) T n-Octadecane (C18)        | 11.209 | 1376183    | 9.302 ug/ml |
| 10) T n-Eicosane (C20)         | 12.518 | 1293642    | 9.298 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.129 | 1263180    | 9.307 ug/ml |
| 13) T n-Docosane (C22)         | 13.716 | 1241568    | 9.283 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.819 | 1230214    | 9.326 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.838 | 1207821    | 9.365 ug/ml |
| 16) T n-Octacosane (C28)       | 16.788 | 1168633    | 9.305 ug/ml |
| 17) T n-Tricontane (C30)       | 17.675 | 1203440    | 9.412 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.507 | 1183734    | 9.449 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.290 | 1170684    | 9.538 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.029 | 1091393    | 9.420 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.759 | 1037128    | 9.348 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.655 | 1026146    | 9.577 ug/ml |
| -----                          |        |            |             |

(f)=RT Delta > 1/2 Window

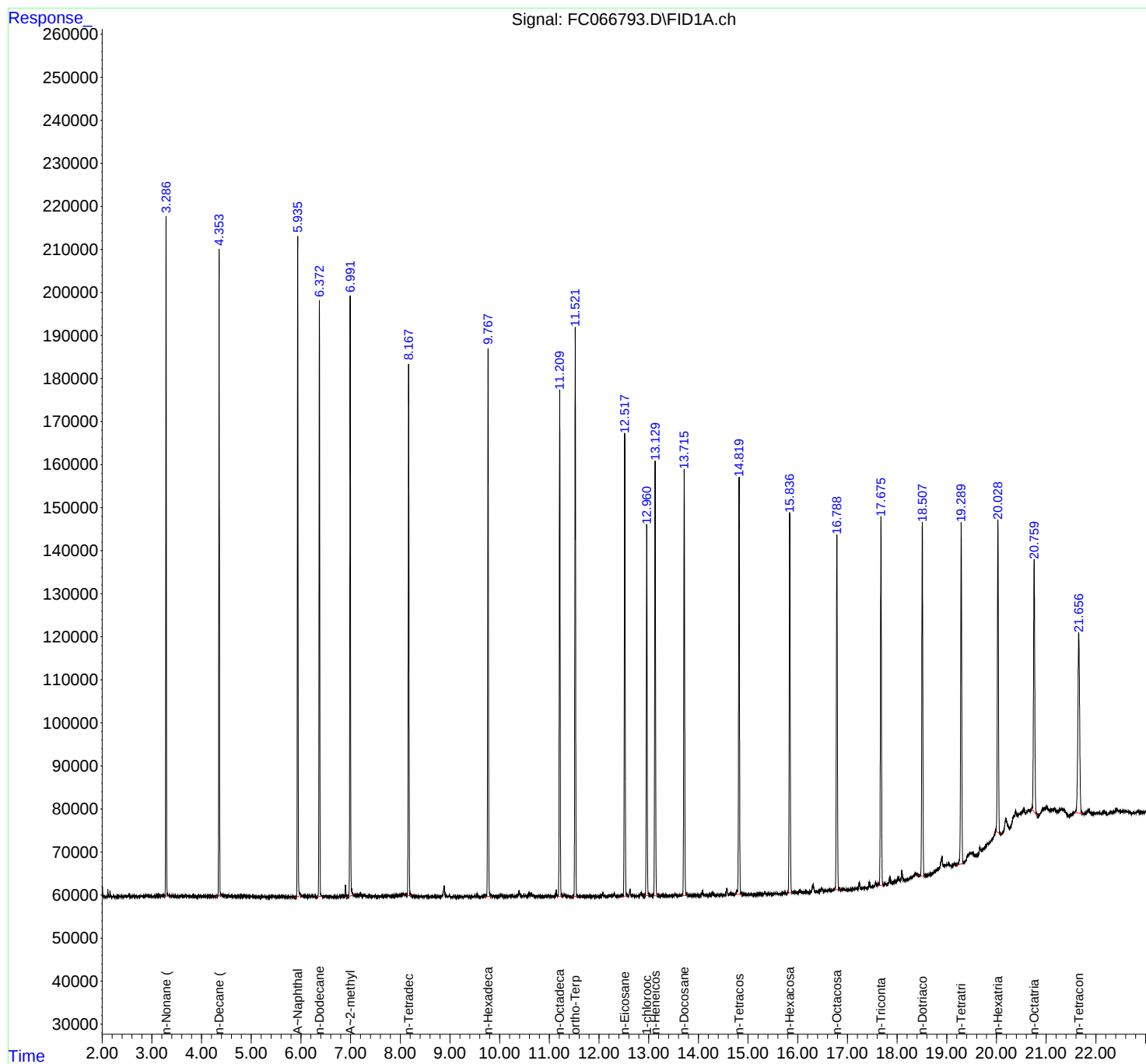
(m)=manual int.

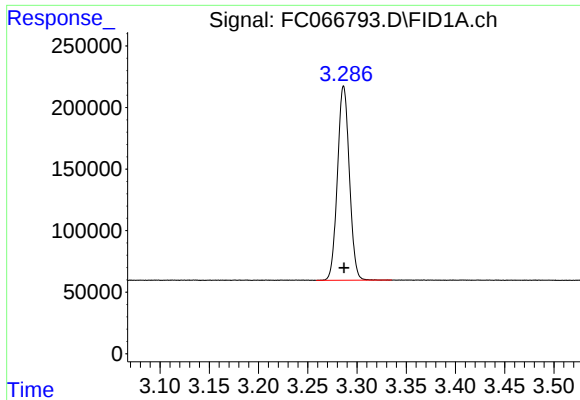
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066793.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 11:59  
Operator : YP/AJ  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e  
Quant Time: Jul 15 13:56:18 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 13:49:40 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

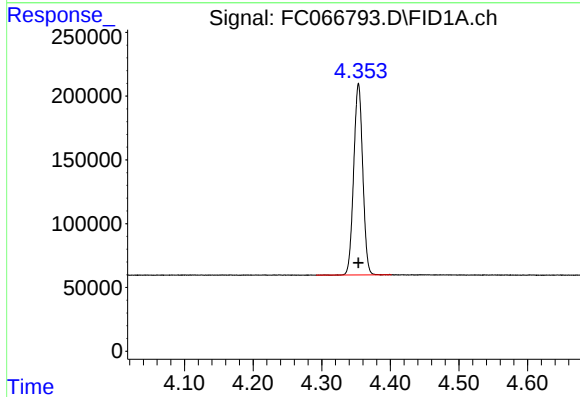




#1 n-Nonane (C9)

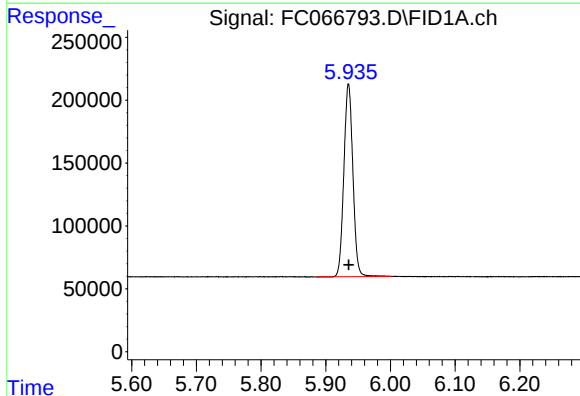
R.T.: 3.287 min  
Delta R.T.: 0.000 min  
Response: 1327198  
Conc: 9.47 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



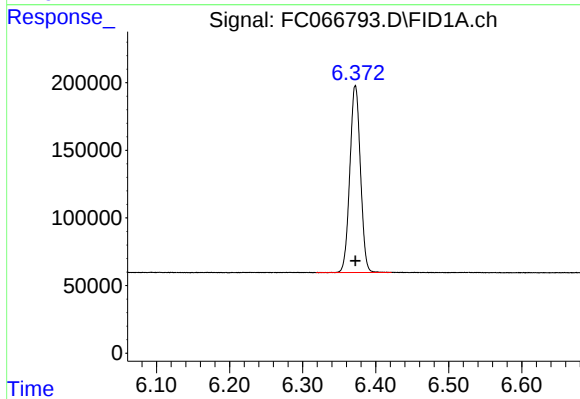
#2 n-Decane (C10)

R.T.: 4.354 min  
Delta R.T.: 0.000 min  
Response: 1375812  
Conc: 9.36 ug/ml



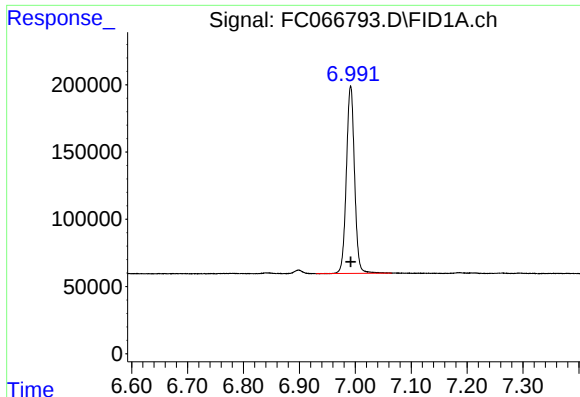
#3 A~Naphthalene (C11.7)

R.T.: 5.935 min  
Delta R.T.: 0.000 min  
Response: 1485557  
Conc: 9.34 ug/ml



#4 n-Dodecane (C12)

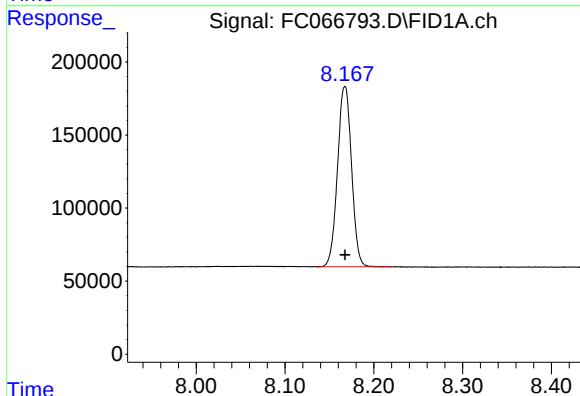
R.T.: 6.372 min  
Delta R.T.: 0.000 min  
Response: 1391111  
Conc: 9.31 ug/ml



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

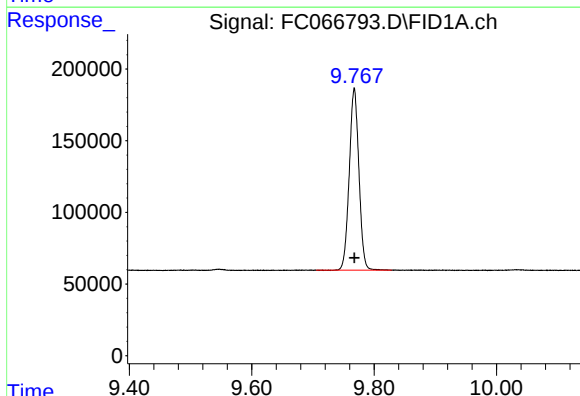
R.T.: 6.992 min  
Delta R.T.: 0.000 min  
Response: 1416943  
Conc: 9.22 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



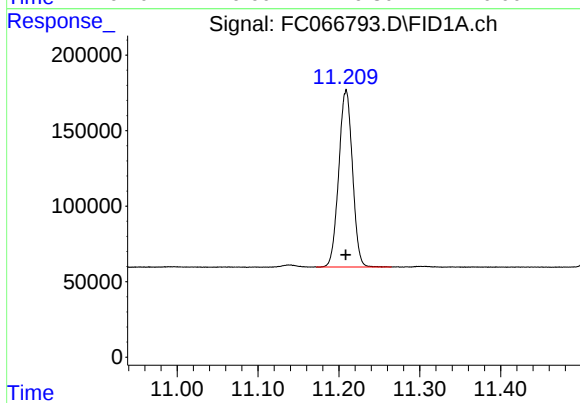
#6 n-Tetradecane (C14)

R.T.: 8.167 min  
Delta R.T.: 0.000 min  
Response: 1353773  
Conc: 9.27 ug/ml



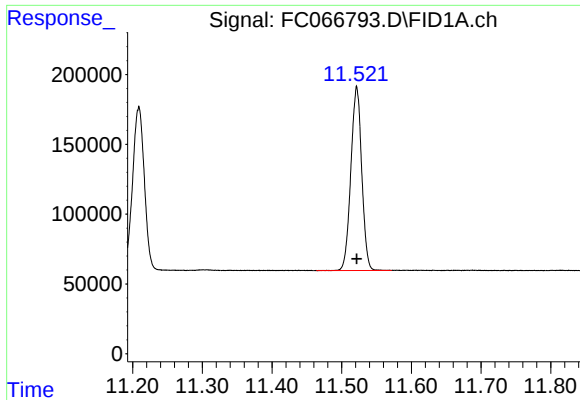
#7 n-Hexadecane (C16)

R.T.: 9.768 min  
Delta R.T.: 0.000 min  
Response: 1390780  
Conc: 9.32 ug/ml



#8 n-Octadecane (C18)

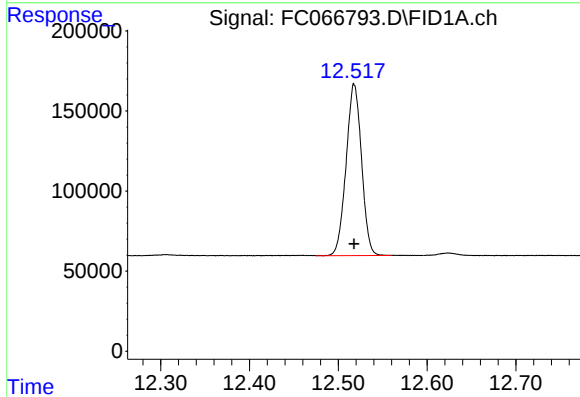
R.T.: 11.209 min  
Delta R.T.: 0.000 min  
Response: 1376183  
Conc: 9.30 ug/ml



#9 ortho-Terphenyl (SURR)

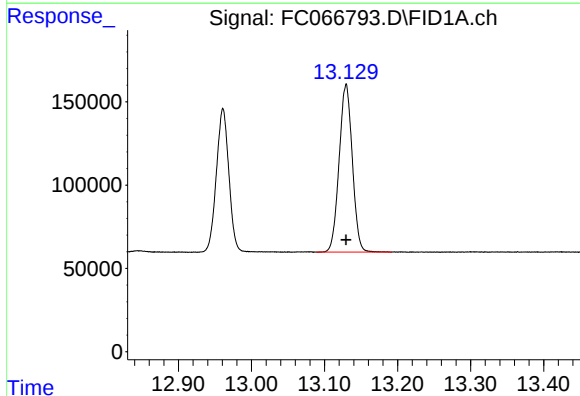
R.T.: 11.522 min  
Delta R.T.: 0.000 min  
Response: 1425423  
Conc: 9.31 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



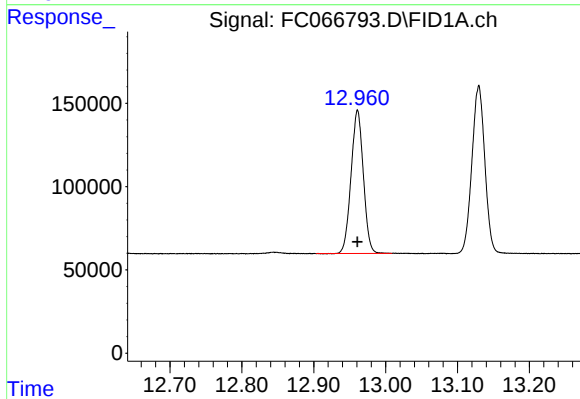
#10 n-Eicosane (C20)

R.T.: 12.518 min  
Delta R.T.: 0.000 min  
Response: 1293642  
Conc: 9.30 ug/ml



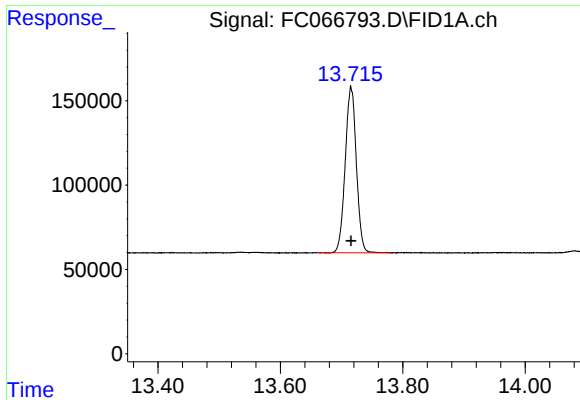
#11 n-Heneicosane (C21)

R.T.: 13.129 min  
Delta R.T.: 0.000 min  
Response: 1263180  
Conc: 9.31 ug/ml



#12 1-chlorooctadecane (SURR)

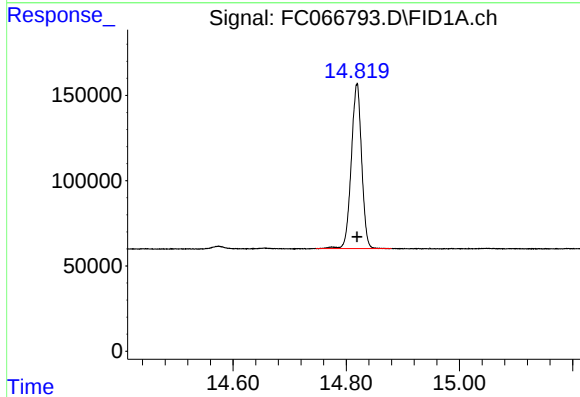
R.T.: 12.961 min  
Delta R.T.: 0.000 min  
Response: 1019730  
Conc: 9.09 ug/ml



#13 n-Docosane (C22)

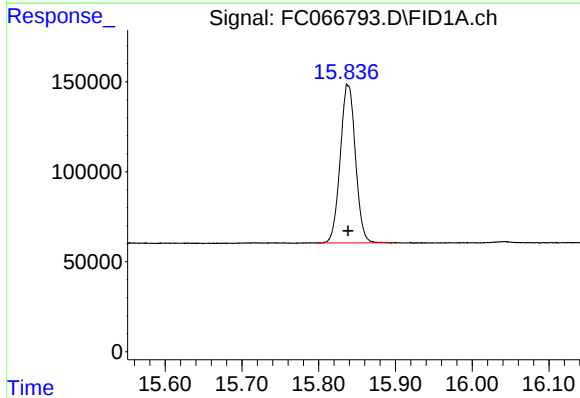
R.T.: 13.716 min  
Delta R.T.: 0.000 min  
Response: 1241568  
Conc: 9.28 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



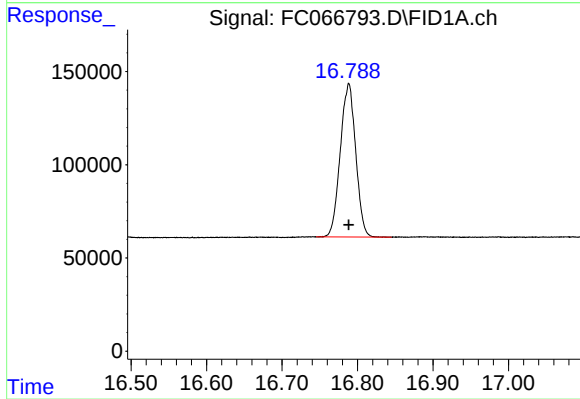
#14 n-Tetracosane (C24)

R.T.: 14.819 min  
Delta R.T.: 0.000 min  
Response: 1230214  
Conc: 9.33 ug/ml



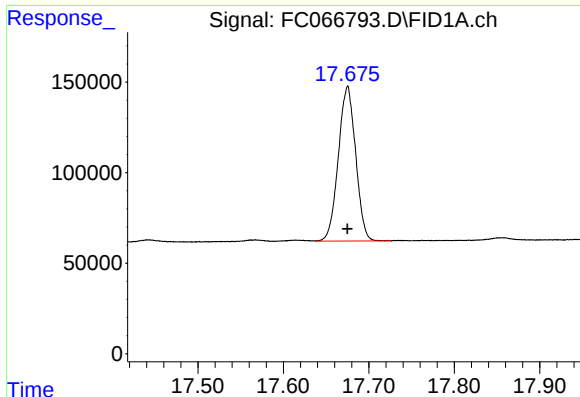
#15 n-Hexacosane (C26)

R.T.: 15.838 min  
Delta R.T.: 0.000 min  
Response: 1207821  
Conc: 9.37 ug/ml



#16 n-Octacosane (C28)

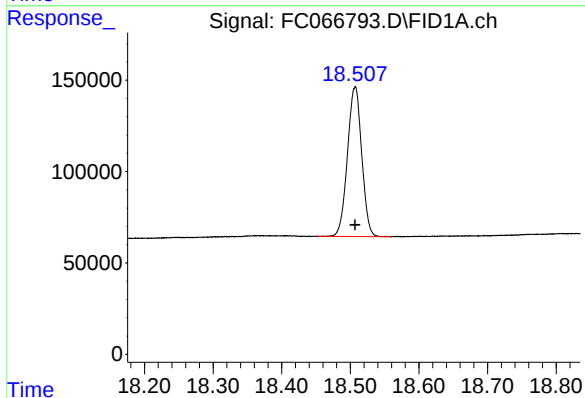
R.T.: 16.788 min  
Delta R.T.: 0.000 min  
Response: 1168633  
Conc: 9.30 ug/ml



#17 n-Tricontane (C30)

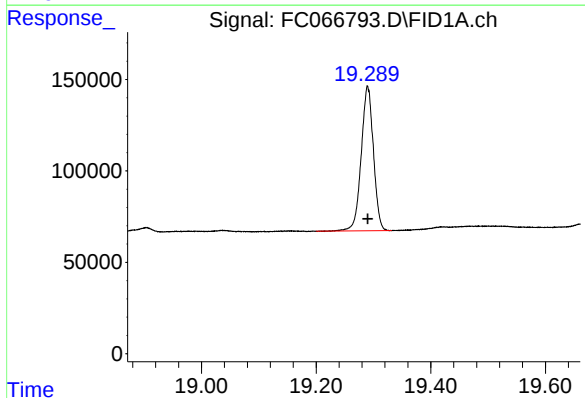
R.T.: 17.675 min  
Delta R.T.: 0.000 min  
Response: 1203440  
Conc: 9.41 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



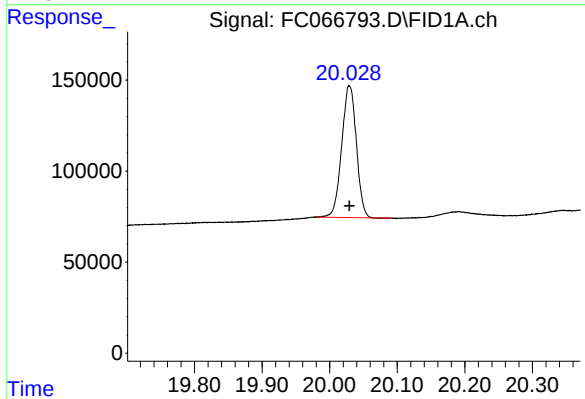
#18 n-Dotriacontane (C32)

R.T.: 18.507 min  
Delta R.T.: 0.000 min  
Response: 1183734  
Conc: 9.45 ug/ml



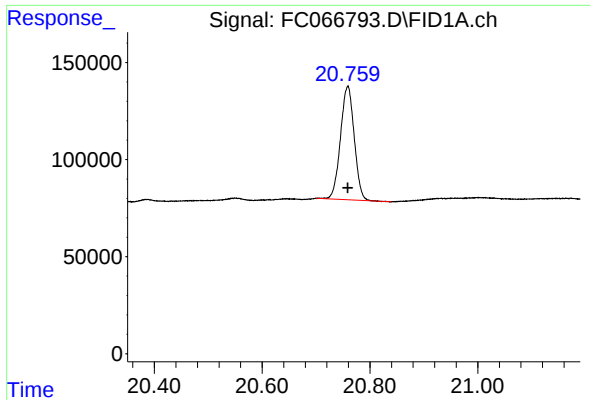
#19 n-Tetratriacontane (C34)

R.T.: 19.290 min  
Delta R.T.: 0.000 min  
Response: 1170684  
Conc: 9.54 ug/ml



#20 n-Hexatriacontane (C36)

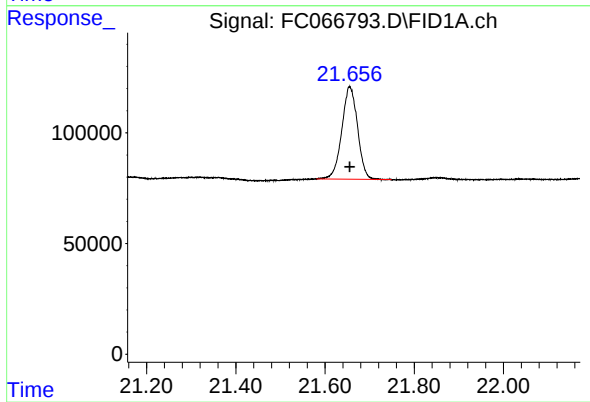
R.T.: 20.029 min  
Delta R.T.: 0.000 min  
Response: 1091393  
Conc: 9.42 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.759 min  
Delta R.T.: 0.000 min  
Response: 1037128  
Conc: 9.35 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.655 min  
Delta R.T.: 0.000 min  
Response: 1026146  
Conc: 9.58 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066793.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 11:59  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.287       | 3.258        | 3.335      | BB       | 157634         | 1327198      | 89.34%         | 4.795%        |
| 2                       | 4.354       | 4.292        | 4.402      | BB       | 150234         | 1375812      | 92.61%         | 4.970%        |
| 3                       | 5.935       | 5.885        | 6.002      | BB       | 153555         | 1485557      | 100.00%        | 5.367%        |
| 4                       | 6.372       | 6.318        | 6.422      | BB       | 138222         | 1391111      | 93.64%         | 5.026%        |
| 5                       | 6.992       | 6.930        | 7.065      | BB       | 139510         | 1416943      | 95.38%         | 5.119%        |
| 6                       | 8.167       | 8.135        | 8.220      | BB       | 123526         | 1353773      | 91.13%         | 4.891%        |
| 7                       | 9.768       | 9.705        | 9.828      | BB       | 126460         | 1390780      | 93.62%         | 5.024%        |
| 8                       | 11.209      | 11.172       | 11.265     | BB       | 116516         | 1376183      | 92.64%         | 4.972%        |
| 9                       | 11.522      | 11.463       | 11.572     | BB       | 131979         | 1425423      | 95.95%         | 5.150%        |
| 10                      | 12.518      | 12.475       | 12.560     | BB       | 106608         | 1293642      | 87.08%         | 4.674%        |
| 11                      | 12.961      | 12.903       | 13.008     | BB       | 86181          | 1019730      | 68.64%         | 3.684%        |
| 12                      | 13.129      | 13.088       | 13.192     | BB       | 101454         | 1263180      | 85.03%         | 4.563%        |
| 13                      | 13.716      | 13.658       | 13.782     | BB       | 98559          | 1241568      | 83.58%         | 4.485%        |
| 14                      | 14.819      | 14.747       | 14.880     | BB       | 96602          | 1230214      | 82.81%         | 4.444%        |
| 15                      | 15.838      | 15.797       | 15.895     | BB       | 87072          | 1207821      | 81.30%         | 4.363%        |
| 16                      | 16.788      | 16.745       | 16.845     | BB       | 82717          | 1168633      | 78.67%         | 4.222%        |
| 17                      | 17.675      | 17.638       | 17.727     | VB       | 85680          | 1203440      | 81.01%         | 4.348%        |
| 18                      | 18.507      | 18.450       | 18.560     | BB       | 81774          | 1183734      | 79.68%         | 4.276%        |
| 19                      | 19.290      | 19.200       | 19.332     | BB       | 79135          | 1170684      | 78.80%         | 4.229%        |
| 20                      | 20.029      | 19.980       | 20.092     | BB       | 72133          | 1091393      | 73.47%         | 3.943%        |
| 21                      | 20.759      | 20.700       | 20.840     | BB       | 58439          | 1037128      | 69.81%         | 3.747%        |
| 22                      | 21.655      | 21.580       | 21.749     | BBA      | 41650          | 1026146      | 69.07%         | 3.707%        |
| Sum of corrected areas: |             |              |            |          |                | 27680093     |                |               |

Aliphatic EPH 071524.M Mon Jul 15 17:20:34 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
 Data File : FC066794.D  
 Signal(s) : FID1A.ch  
 Acq On : 15 Jul 2024 12:39  
 Operator : YP/AJ  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
 Quant Time: Jul 15 13:57:56 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 13:49:40 2024  
 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)    | 11.521 | 785209     | 5.100 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 10.20%      |
| 12) S 1-chlorooctadecane (S... | 12.961 | 551048     | 4.928 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 9.86%       |
| Target Compounds               |        |            |             |
| 1) T n-Nonane (C9)             | 3.286  | 745362     | 5.253 ug/ml |
| 2) T n-Decane (C10)            | 4.353  | 757029     | 5.121 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 5.935  | 811161     | 5.079 ug/ml |
| 4) T n-Dodecane (C12)          | 6.372  | 759715     | 5.068 ug/ml |
| 5) T A~2-methylnaphthalene...  | 6.991  | 758630     | 4.949 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.167  | 738155     | 5.045 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.767  | 756254     | 5.053 ug/ml |
| 8) T n-Octadecane (C18)        | 11.209 | 750938     | 5.060 ug/ml |
| 10) T n-Eicosane (C20)         | 12.518 | 702061     | 5.037 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.129 | 690648     | 5.070 ug/ml |
| 13) T n-Docosane (C22)         | 13.715 | 683204     | 5.086 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.818 | 687074     | 5.165 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.838 | 673608     | 5.177 ug/ml |
| 16) T n-Octacosane (C28)       | 16.787 | 641917     | 5.088 ug/ml |
| 17) T n-Tricontane (C30)       | 17.674 | 657699     | 5.115 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.507 | 641719     | 5.097 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.290 | 638202     | 5.159 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.029 | 590861     | 5.079 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.758 | 558703     | 5.029 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.654 | 574890     | 5.288 ug/ml |
| -----                          |        |            |             |

(f)=RT Delta > 1/2 Window

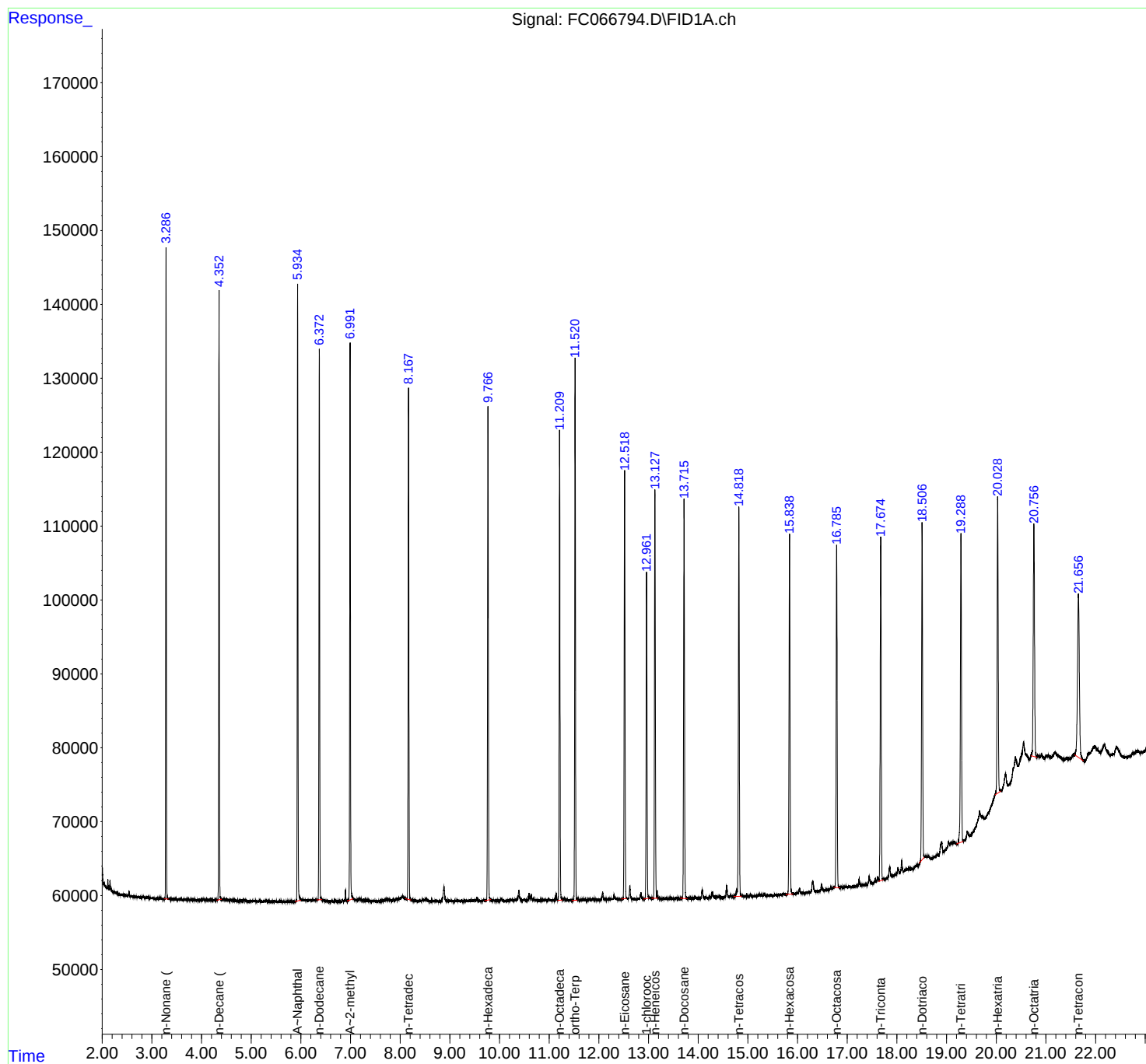
(m)=manual int.

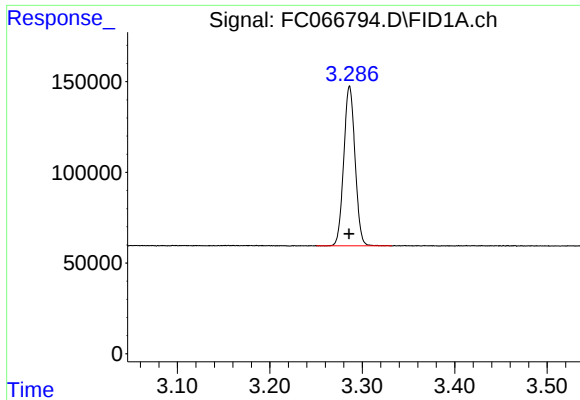
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066794.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 12:39  
Operator : YP/AJ  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
Quant Time: Jul 15 13:57:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 13:49:40 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

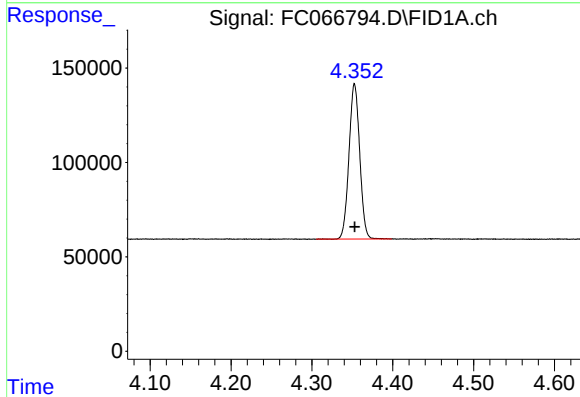




#1 n-Nonane (C9)

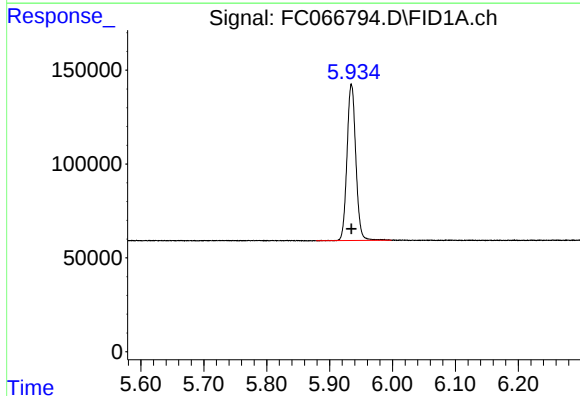
R.T.: 3.286 min  
Delta R.T.: 0.000 min  
Response: 745362  
Conc: 5.25 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



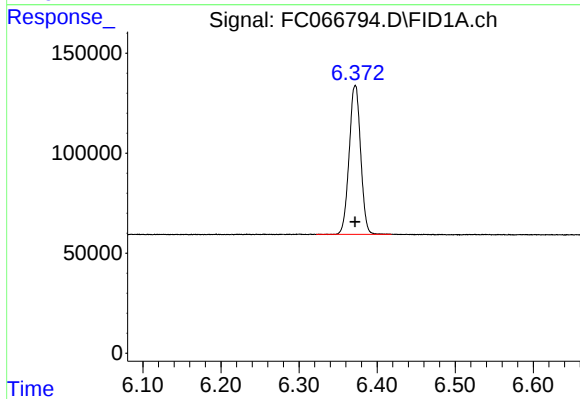
#2 n-Decane (C10)

R.T.: 4.353 min  
Delta R.T.: 0.000 min  
Response: 757029  
Conc: 5.12 ug/ml



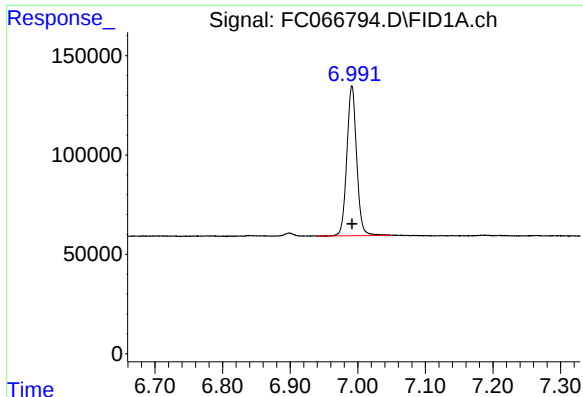
#3 A~Naphthalene (C11.7)

R.T.: 5.935 min  
Delta R.T.: 0.000 min  
Response: 811161  
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

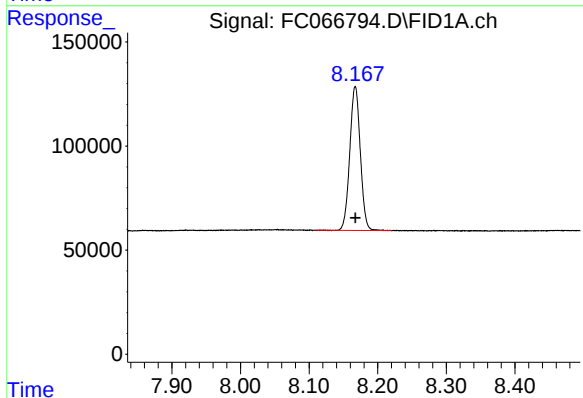
R.T.: 6.372 min  
Delta R.T.: 0.000 min  
Response: 759715  
Conc: 5.07 ug/ml



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

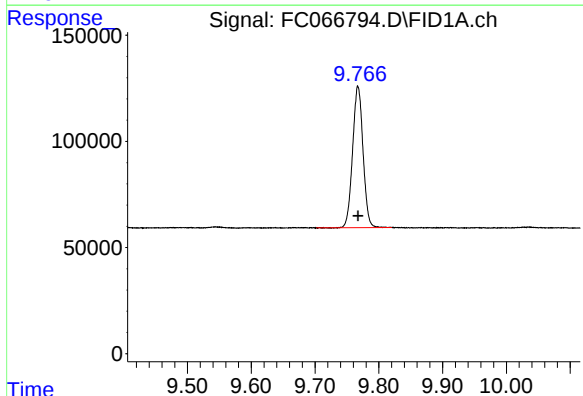
R.T.: 6.991 min  
Delta R.T.: 0.000 min  
Response: 758630  
Conc: 4.95 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



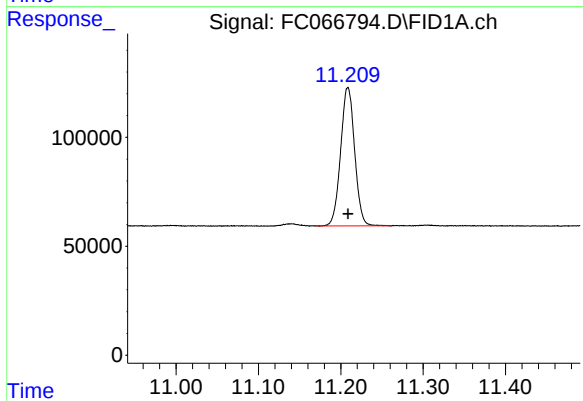
#6 n-Tetradecane (C14)

R.T.: 8.167 min  
Delta R.T.: 0.000 min  
Response: 738155  
Conc: 5.05 ug/ml



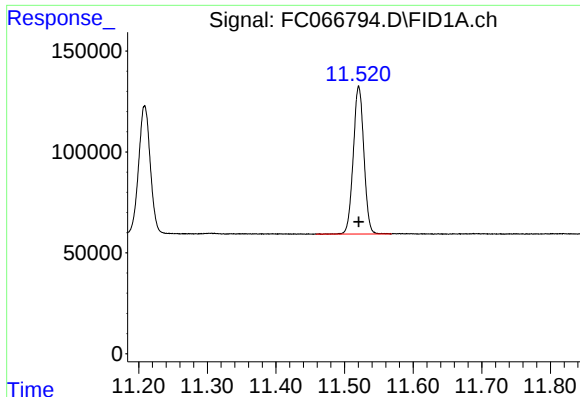
#7 n-Hexadecane (C16)

R.T.: 9.767 min  
Delta R.T.: 0.000 min  
Response: 756254  
Conc: 5.05 ug/ml



#8 n-Octadecane (C18)

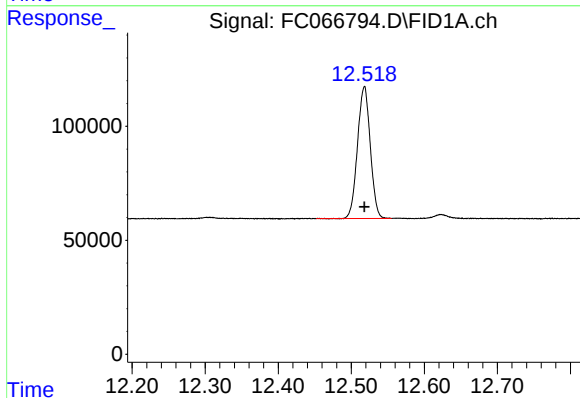
R.T.: 11.209 min  
Delta R.T.: 0.000 min  
Response: 750938  
Conc: 5.06 ug/ml



#9 ortho-Terphenyl (SURR)

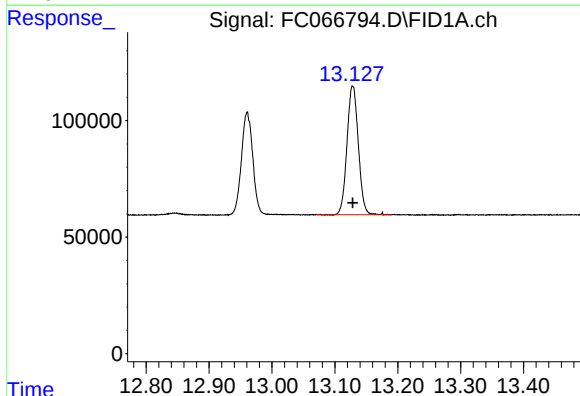
R.T.: 11.521 min  
Delta R.T.: 0.000 min  
Response: 785209  
Conc: 5.10 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



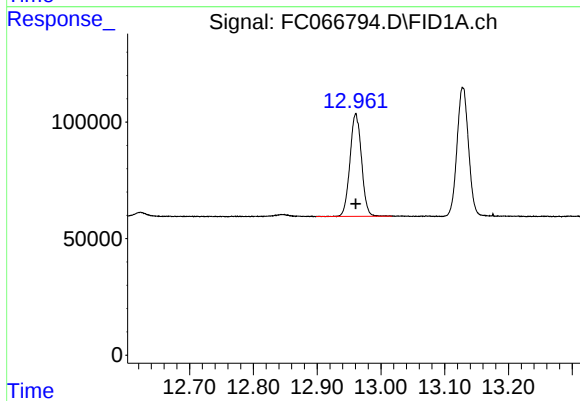
#10 n-Eicosane (C20)

R.T.: 12.518 min  
Delta R.T.: 0.000 min  
Response: 702061  
Conc: 5.04 ug/ml



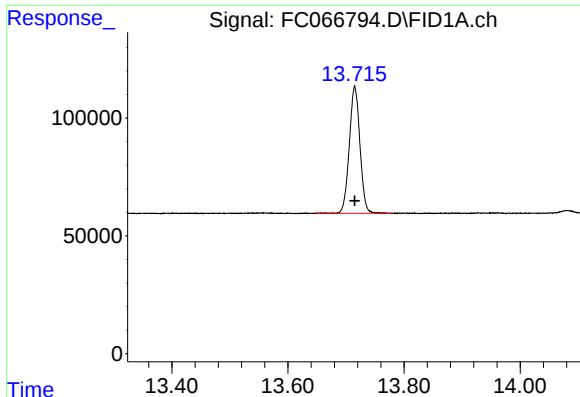
#11 n-Heneicosane (C21)

R.T.: 13.129 min  
Delta R.T.: 0.000 min  
Response: 690648  
Conc: 5.07 ug/ml



#12 1-chlorooctadecane (SURR)

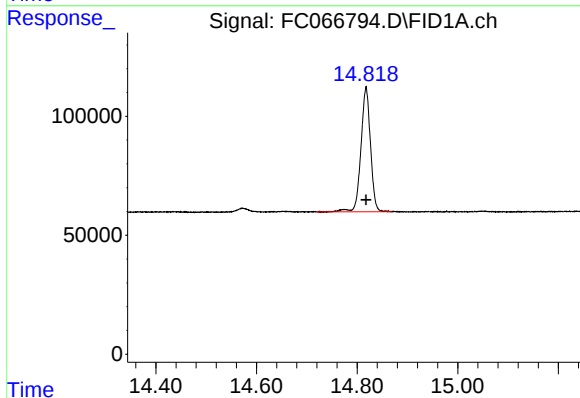
R.T.: 12.961 min  
Delta R.T.: 0.000 min  
Response: 551048  
Conc: 4.93 ug/ml



#13 n-Docosane (C22)

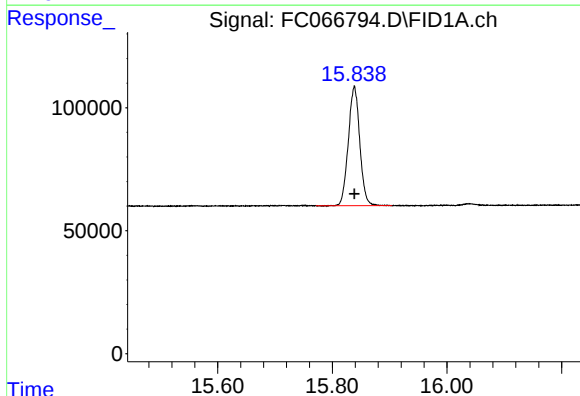
R.T.: 13.715 min  
Delta R.T.: 0.000 min  
Response: 683204  
Conc: 5.09 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



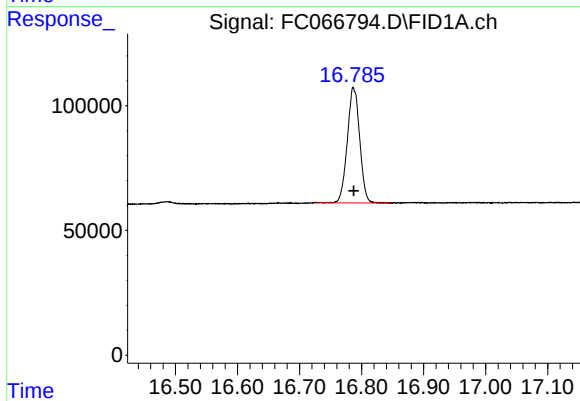
#14 n-Tetracosane (C24)

R.T.: 14.818 min  
Delta R.T.: 0.000 min  
Response: 687074  
Conc: 5.17 ug/ml



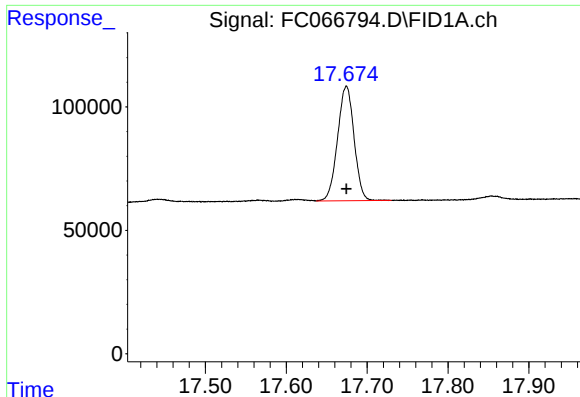
#15 n-Hexacosane (C26)

R.T.: 15.838 min  
Delta R.T.: 0.000 min  
Response: 673608  
Conc: 5.18 ug/ml



#16 n-Octacosane (C28)

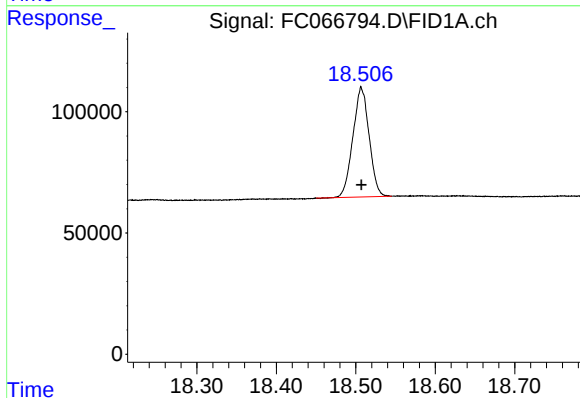
R.T.: 16.787 min  
Delta R.T.: 0.000 min  
Response: 641917  
Conc: 5.09 ug/ml



#17 n-Tricontane (C30)

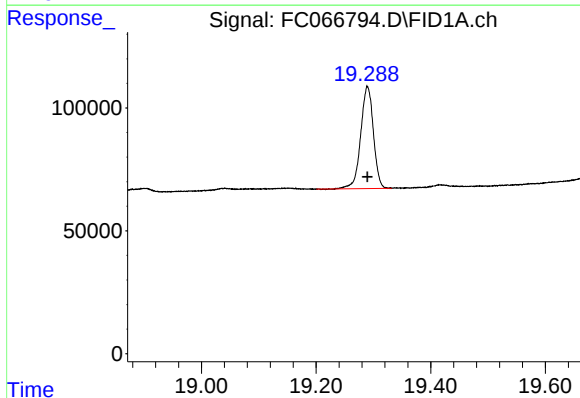
R.T.: 17.674 min  
Delta R.T.: 0.000 min  
Response: 657699  
Conc: 5.11 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



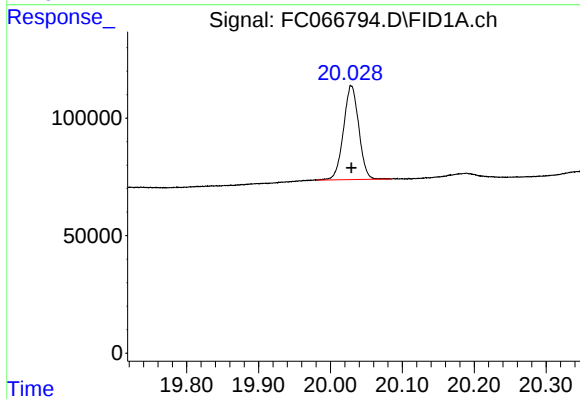
#18 n-Dotriacontane (C32)

R.T.: 18.507 min  
Delta R.T.: 0.000 min  
Response: 641719  
Conc: 5.10 ug/ml



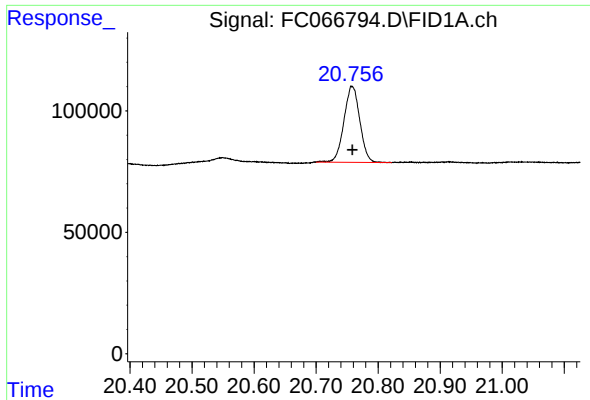
#19 n-Tetratriacontane (C34)

R.T.: 19.290 min  
Delta R.T.: 0.000 min  
Response: 638202  
Conc: 5.16 ug/ml



#20 n-Hexatriacontane (C36)

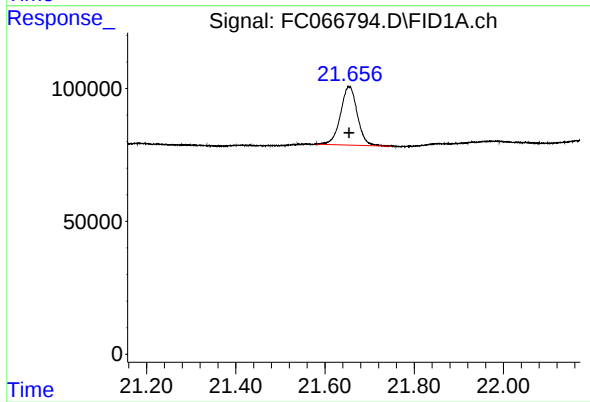
R.T.: 20.029 min  
Delta R.T.: 0.000 min  
Response: 590861  
Conc: 5.08 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.758 min  
Delta R.T.: 0.000 min  
Response: 558703  
Conc: 5.03 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.654 min  
Delta R.T.: 0.000 min  
Response: 574890  
Conc: 5.29 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066794.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 12:39  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.286       | 3.250        | 3.332      | BB       | 87985          | 745362       | 91.89%         | 4.919%        |
| 2                       | 4.353       | 4.305        | 4.399      | BB       | 81784          | 757029       | 93.33%         | 4.996%        |
| 3                       | 5.935       | 5.879        | 5.999      | BB       | 82991          | 811161       | 100.00%        | 5.353%        |
| 4                       | 6.372       | 6.322        | 6.419      | BB       | 74351          | 759715       | 93.66%         | 5.013%        |
| 5                       | 6.991       | 6.939        | 7.050      | BB       | 75597          | 758630       | 93.52%         | 5.006%        |
| 6                       | 8.167       | 8.110        | 8.220      | BB       | 69261          | 738155       | 91.00%         | 4.871%        |
| 7                       | 9.767       | 9.702        | 9.820      | BB       | 66851          | 756254       | 93.23%         | 4.990%        |
| 8                       | 11.209      | 11.170       | 11.262     | BB       | 63389          | 750938       | 92.58%         | 4.955%        |
| 9                       | 11.521      | 11.459       | 11.569     | BB       | 73200          | 785209       | 96.80%         | 5.181%        |
| 10                      | 12.518      | 12.452       | 12.555     | BB       | 58287          | 702061       | 86.55%         | 4.633%        |
| 11                      | 12.961      | 12.899       | 13.017     | BB       | 43940          | 551048       | 67.93%         | 3.636%        |
| 12                      | 13.129      | 13.070       | 13.190     | BB       | 55119          | 690648       | 85.14%         | 4.558%        |
| 13                      | 13.715      | 13.649       | 13.779     | BB       | 53850          | 683204       | 84.23%         | 4.508%        |
| 14                      | 14.818      | 14.719       | 14.869     | BB       | 52640          | 687074       | 84.70%         | 4.534%        |
| 15                      | 15.838      | 15.772       | 15.904     | BB       | 48665          | 673608       | 83.04%         | 4.445%        |
| 16                      | 16.787      | 16.727       | 16.849     | BB       | 45900          | 641917       | 79.14%         | 4.236%        |
| 17                      | 17.674      | 17.637       | 17.730     | VB       | 46305          | 657699       | 81.08%         | 4.340%        |
| 18                      | 18.507      | 18.450       | 18.545     | BB       | 45259          | 641719       | 79.11%         | 4.235%        |
| 19                      | 19.290      | 19.200       | 19.332     | BB       | 41421          | 638202       | 78.68%         | 4.211%        |
| 20                      | 20.029      | 19.980       | 20.085     | BB       | 39992          | 590861       | 72.84%         | 3.899%        |
| 21                      | 20.758      | 20.700       | 20.822     | BB       | 31164          | 558703       | 68.88%         | 3.687%        |
| 22                      | 21.654      | 21.580       | 21.749     | BBA      | 21745          | 574890       | 70.87%         | 3.794%        |
| Sum of corrected areas: |             |              |            |          |                | 15154088     |                |               |

Aliphatic EPH 071524.M Mon Jul 15 17:20:51 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
 Data File : FC066795.D  
 Signal(s) : FID1A.ch  
 Acq On : 15 Jul 2024 13:20  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD ICV  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 15 13:59:22 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 13:58:41 2024  
 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)    | 11.523 | 3054285    | 19.839 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 39.68%       |
| 12) S 1-chlorooctadecane (S... | 12.962 | 2220187    | 19.856 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 39.71%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.289  | 2907421    | 20.490 ug/ml |
| 2) T n-Decane (C10)            | 4.355  | 2979252    | 20.153 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 5.936  | 3208077    | 20.089 ug/ml |
| 4) T n-Dodecane (C12)          | 6.373  | 2984290    | 19.906 ug/ml |
| 5) T A~2-methylnaphthalene...  | 6.993  | 3058487    | 19.951 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.169  | 2899308    | 19.816 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.769  | 2961204    | 19.785 ug/ml |
| 8) T n-Octadecane (C18)        | 11.210 | 2930189    | 19.746 ug/ml |
| 10) T n-Eicosane (C20)         | 12.519 | 2758404    | 19.790 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.131 | 2694048    | 19.779 ug/ml |
| 13) T n-Docosane (C22)         | 13.716 | 2658664    | 19.793 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.819 | 2639993    | 19.848 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.840 | 2576079    | 19.798 ug/ml |
| 16) T n-Octacosane (C28)       | 16.789 | 2519386    | 19.971 ug/ml |
| 17) T n-Tricontane (C30)       | 17.675 | 2573923    | 20.016 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.508 | 2518170    | 20.002 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.291 | 2469853    | 19.964 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.031 | 2334488    | 20.069 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.758 | 2189753    | 19.709 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.657 | 2084596    | 19.175 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

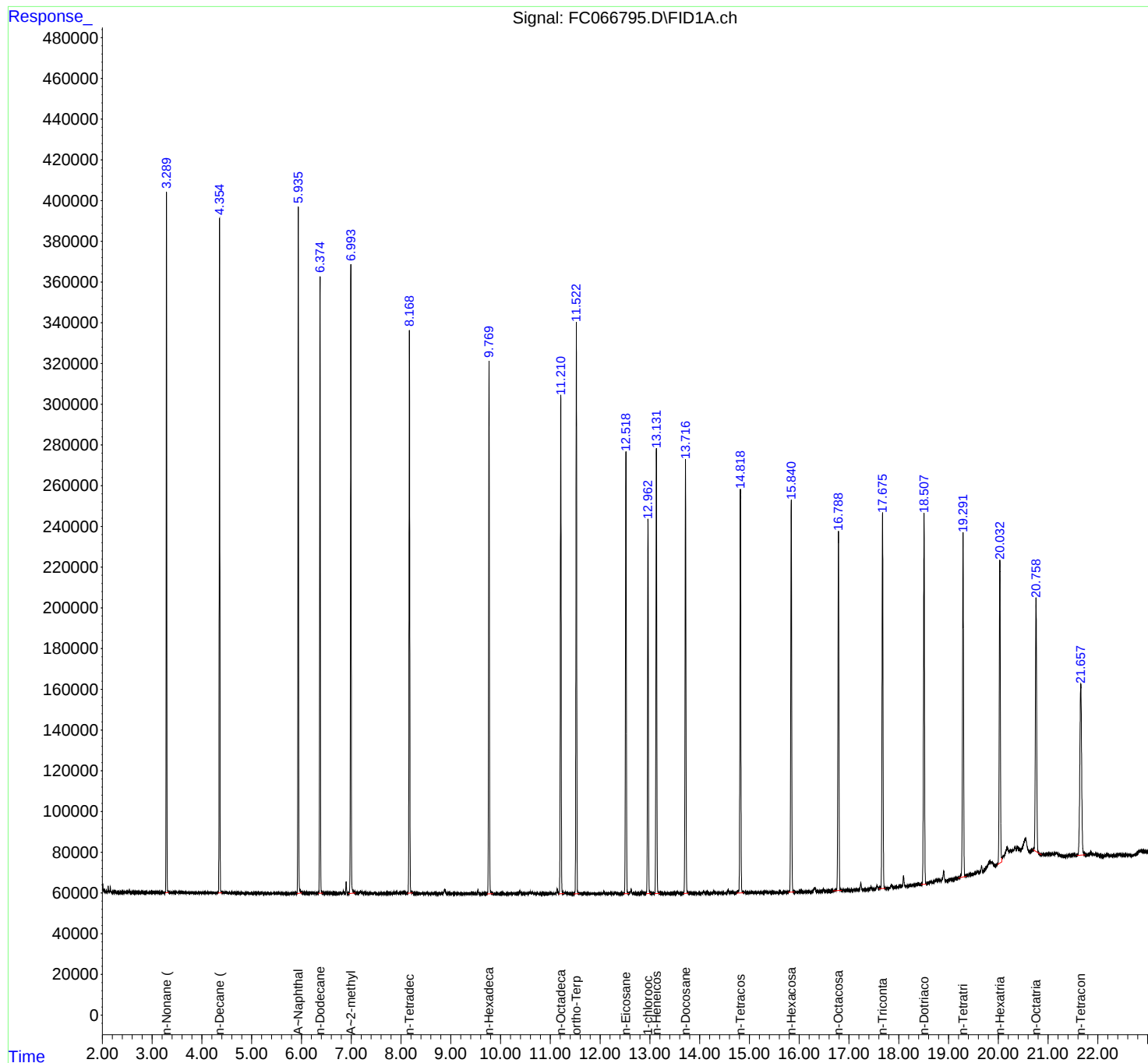
(m)=manual int.

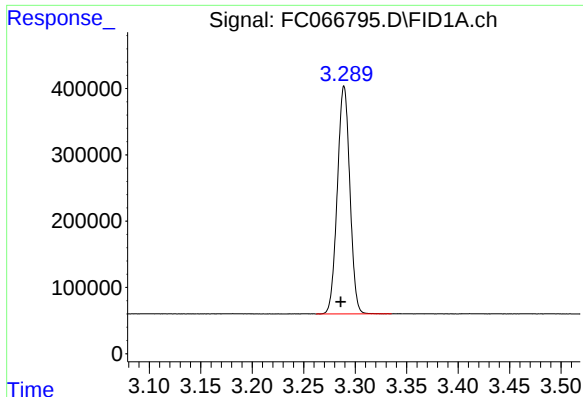
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066795.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 13:20  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jul 15 13:59:22 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 13:58:41 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





#1 n-Nonane (C9)

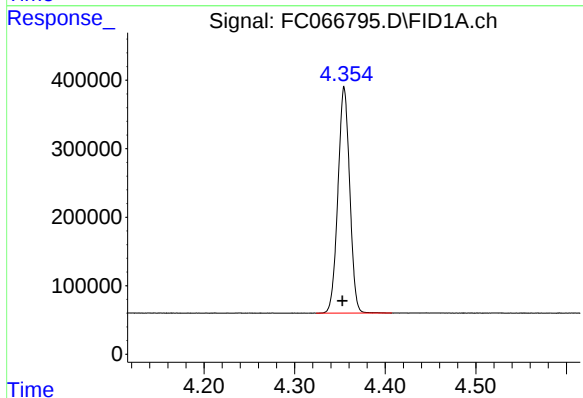
R.T.: 3.289 min  
Delta R.T.: 0.003 min  
Response: 2907421  
Conc: 20.49 ug/ml

Instrument :

FID\_C

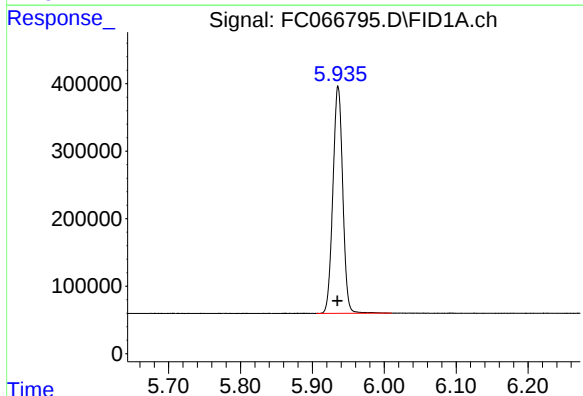
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



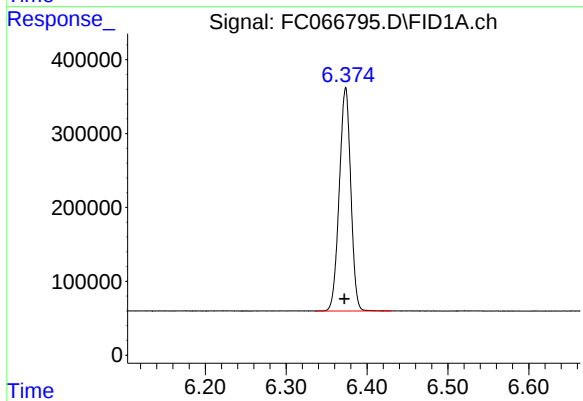
#2 n-Decane (C10)

R.T.: 4.355 min  
Delta R.T.: 0.002 min  
Response: 2979252  
Conc: 20.15 ug/ml



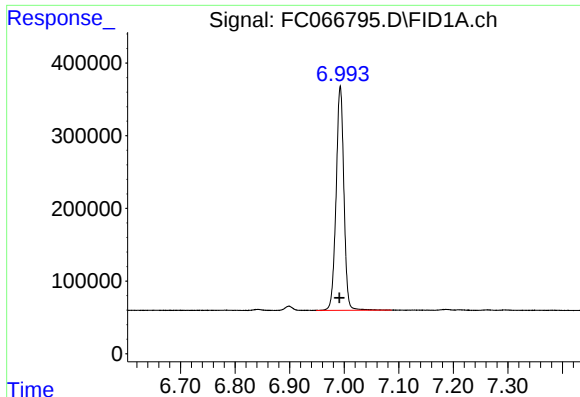
#3 A~Naphthalene (C11.7)

R.T.: 5.936 min  
Delta R.T.: 0.001 min  
Response: 3208077  
Conc: 20.09 ug/ml



#4 n-Dodecane (C12)

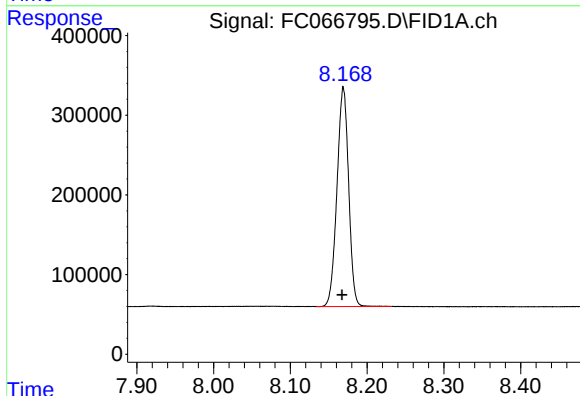
R.T.: 6.373 min  
Delta R.T.: 0.001 min  
Response: 2984290  
Conc: 19.91 ug/ml



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

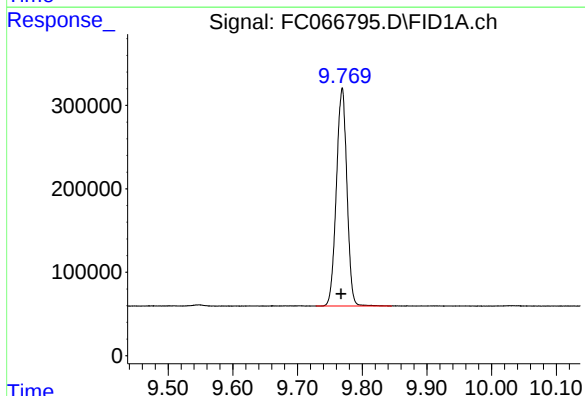
R.T.: 6.993 min  
Delta R.T.: 0.001 min  
Response: 3058487  
Conc: 19.95 ug/ml

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



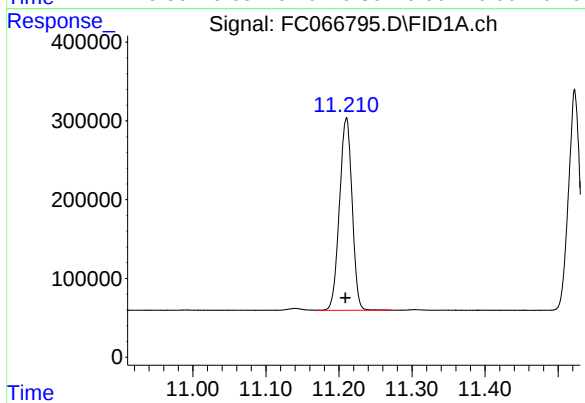
#6 n-Tetradecane (C14)

R.T.: 8.169 min  
Delta R.T.: 0.002 min  
Response: 2899308  
Conc: 19.82 ug/ml



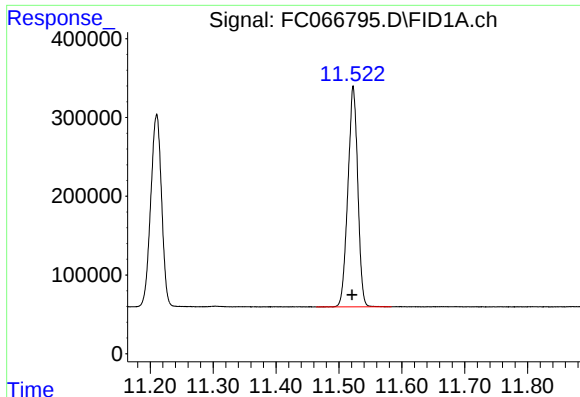
#7 n-Hexadecane (C16)

R.T.: 9.769 min  
Delta R.T.: 0.001 min  
Response: 2961204  
Conc: 19.79 ug/ml



#8 n-Octadecane (C18)

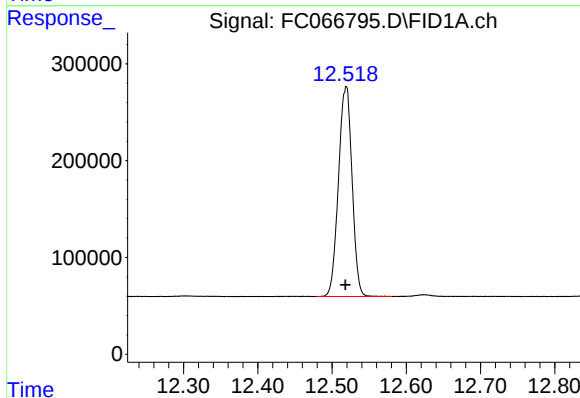
R.T.: 11.210 min  
Delta R.T.: 0.001 min  
Response: 2930189  
Conc: 19.75 ug/ml



#9 ortho-Terphenyl (SURR)

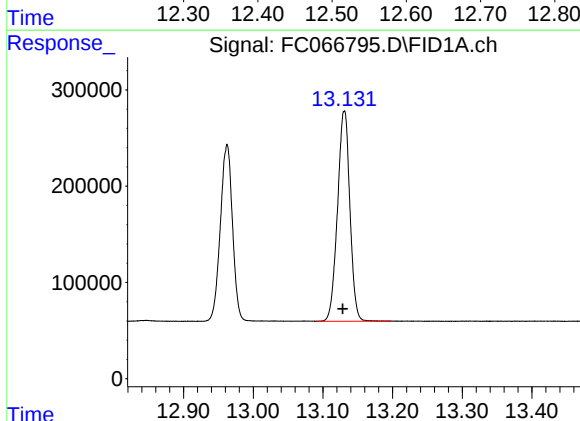
R.T.: 11.523 min  
Delta R.T.: 0.002 min  
Response: 3054285  
Conc: 19.84 ug/ml

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



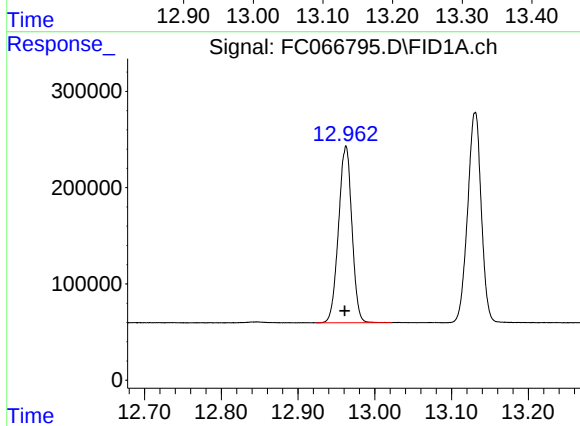
#10 n-Eicosane (C20)

R.T.: 12.519 min  
Delta R.T.: 0.000 min  
Response: 2758404  
Conc: 19.79 ug/ml



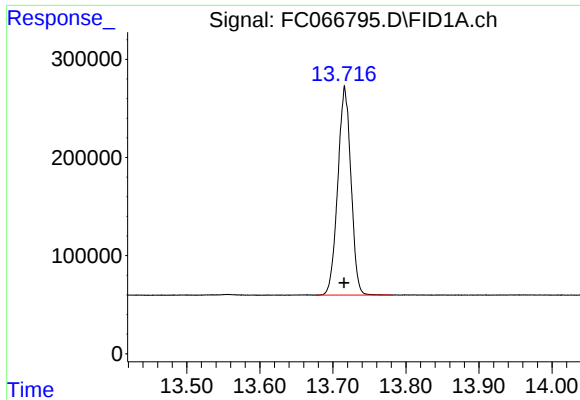
#11 n-Heneicosane (C21)

R.T.: 13.131 min  
Delta R.T.: 0.002 min  
Response: 2694048  
Conc: 19.78 ug/ml



#12 1-chlorooctadecane (SURR)

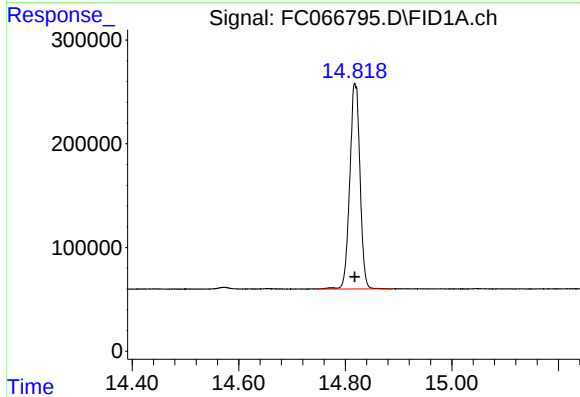
R.T.: 12.962 min  
Delta R.T.: 0.001 min  
Response: 2220187  
Conc: 19.86 ug/ml



#13 n-Docosane (C22)

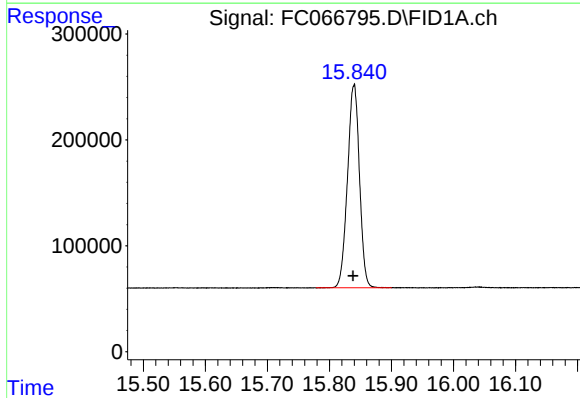
R.T.: 13.716 min  
Delta R.T.: 0.001 min  
Response: 2658664  
Conc: 19.79 ug/ml

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



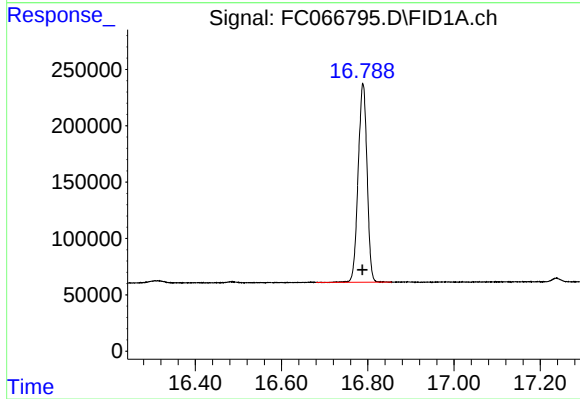
#14 n-Tetracosane (C24)

R.T.: 14.819 min  
Delta R.T.: 0.000 min  
Response: 2639993  
Conc: 19.85 ug/ml



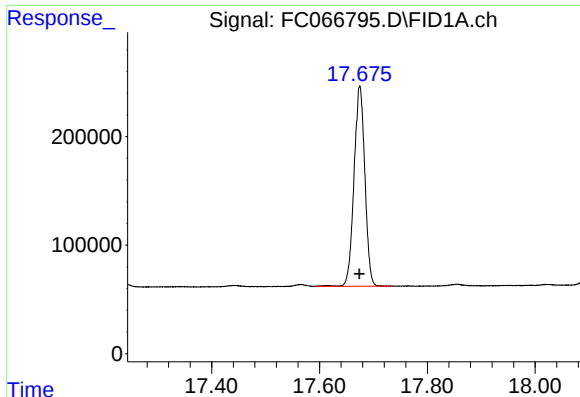
#15 n-Hexacosane (C26)

R.T.: 15.840 min  
Delta R.T.: 0.001 min  
Response: 2576079  
Conc: 19.80 ug/ml



#16 n-Octacosane (C28)

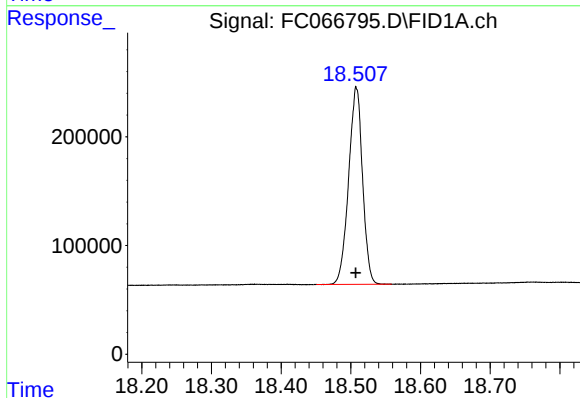
R.T.: 16.789 min  
Delta R.T.: 0.002 min  
Response: 2519386  
Conc: 19.97 ug/ml



#17 n-Tricontane (C30)

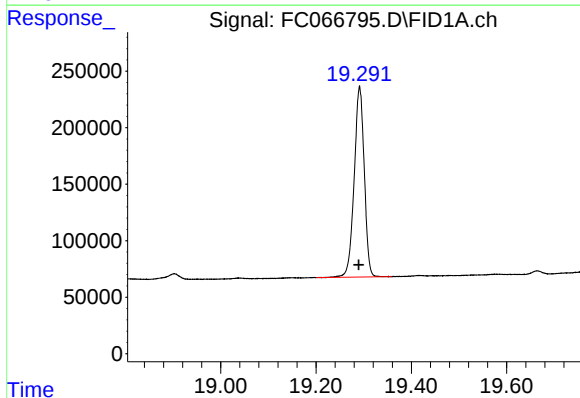
R.T.: 17.675 min  
Delta R.T.: 0.000 min  
Response: 2573923  
Conc: 20.02 ug/ml

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



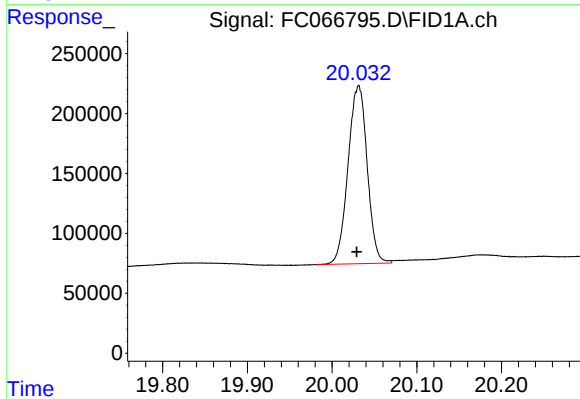
#18 n-Dotriacontane (C32)

R.T.: 18.508 min  
Delta R.T.: 0.000 min  
Response: 2518170  
Conc: 20.00 ug/ml



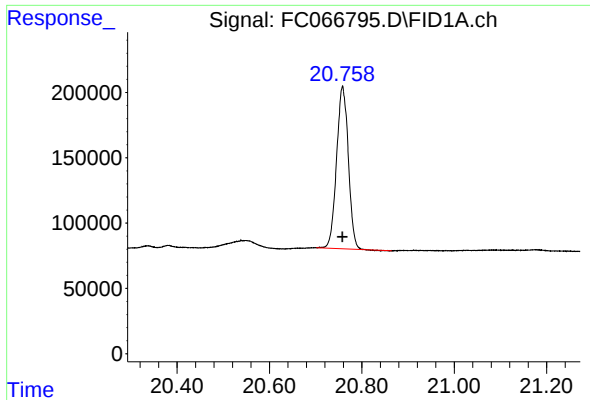
#19 n-Tetratriacontane (C34)

R.T.: 19.291 min  
Delta R.T.: 0.002 min  
Response: 2469853  
Conc: 19.96 ug/ml



#20 n-Hexatriacontane (C36)

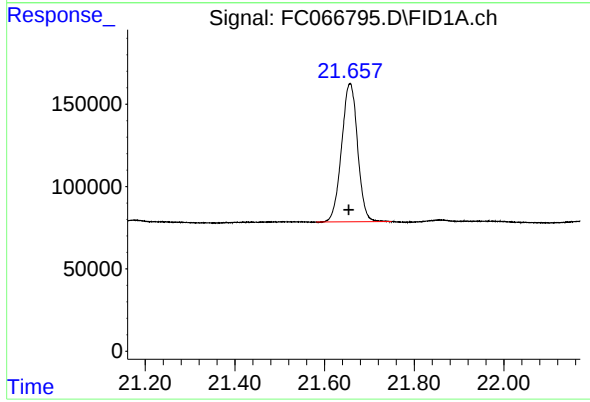
R.T.: 20.031 min  
Delta R.T.: 0.002 min  
Response: 2334488  
Conc: 20.07 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.758 min  
Delta R.T.: 0.000 min  
Response: 2189753  
Conc: 19.71 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 21.657 min  
Delta R.T.: 0.003 min  
Response: 2084596  
Conc: 19.18 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071524AL\  
Data File : FC066795.D  
Signal(s) : FID1A.ch  
Acq On : 15 Jul 2024 13:20  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 071524.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.289       | 3.262        | 3.335      | BB       | 343946         | 2907421      | 90.63%         | 4.910%        |
| 2                       | 4.355       | 4.324        | 4.407      | BB       | 328768         | 2979252      | 92.87%         | 5.031%        |
| 3                       | 5.936       | 5.905        | 6.010      | BB       | 337292         | 3208077      | 100.00%        | 5.417%        |
| 4                       | 6.373       | 6.337        | 6.430      | BB       | 303052         | 2984290      | 93.02%         | 5.039%        |
| 5                       | 6.993       | 6.949        | 7.087      | BB       | 307178         | 3058487      | 95.34%         | 5.165%        |
| 6                       | 8.169       | 8.134        | 8.232      | BB       | 275906         | 2899308      | 90.38%         | 4.896%        |
| 7                       | 9.769       | 9.729        | 9.845      | BB       | 261199         | 2961204      | 92.30%         | 5.000%        |
| 8                       | 11.210      | 11.169       | 11.272     | PB       | 244871         | 2930189      | 91.34%         | 4.948%        |
| 9                       | 11.523      | 11.464       | 11.584     | BB       | 277135         | 3054285      | 95.21%         | 5.158%        |
| 10                      | 12.519      | 12.479       | 12.580     | BB       | 217249         | 2758404      | 85.98%         | 4.658%        |
| 11                      | 12.962      | 12.924       | 13.022     | BB       | 183427         | 2220187      | 69.21%         | 3.749%        |
| 12                      | 13.131      | 13.090       | 13.199     | BB       | 218423         | 2694048      | 83.98%         | 4.549%        |
| 13                      | 13.716      | 13.677       | 13.780     | BB       | 209543         | 2658664      | 82.87%         | 4.489%        |
| 14                      | 14.819      | 14.745       | 14.887     | BB       | 197017         | 2639993      | 82.29%         | 4.458%        |
| 15                      | 15.840      | 15.779       | 15.900     | BB       | 193008         | 2576079      | 80.30%         | 4.350%        |
| 16                      | 16.789      | 16.680       | 16.855     | BB       | 176199         | 2519386      | 78.53%         | 4.254%        |
| 17                      | 17.675      | 17.594       | 17.734     | VB       | 184677         | 2573923      | 80.23%         | 4.346%        |
| 18                      | 18.508      | 18.450       | 18.559     | BB       | 180076         | 2518170      | 78.49%         | 4.252%        |
| 19                      | 19.291      | 19.200       | 19.359     | BB       | 168647         | 2469853      | 76.99%         | 4.171%        |
| 20                      | 20.031      | 19.981       | 20.070     | BV       | 148415         | 2334488      | 72.77%         | 3.942%        |
| 21                      | 20.758      | 20.701       | 20.865     | BV       | 124000         | 2189753      | 68.26%         | 3.698%        |
| 22                      | 21.657      | 21.581       | 21.750     | BBA      | 84146          | 2084596      | 64.98%         | 3.520%        |
| Sum of corrected areas: |             |              |            |          |                | 59220056     |                |               |

Aliphatic EPH 071524.M Mon Jul 15 17:21:19 2024