

Initial Calibration Report for SequenceID : FE071724AL

**AreaCount**

| Parameter Range   | FE049169.D    | FE049170.D    | FE049171.D   | FE049172.D   | FE049173.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 49090912.000  | 22273391.000  | 9262861.000  | 4275714.000  | 2335059.000  |  |
| Aliphatic C12-C16 | 33073391.000  | 14640942.000  | 6110546.000  | 2807021.000  | 1536841.000  |  |
| Aliphatic C16-C21 | 47881863.000  | 21146738.000  | 8836382.000  | 4049228.000  | 2213695.000  |  |
| Aliphatic C21-C28 | 61225396.000  | 27065131.000  | 11304040.000 | 5196275.000  | 2828922.000  |  |
| Aliphatic C28-C40 | 94942246.000  | 42032860.000  | 17853707.000 | 8235738.000  | 4561632.000  |  |
| Aliphatic EPH     | 286213808.000 | 127159062.000 | 53367536.000 | 24563976.000 | 13476149.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 152940.2126664 | 5.192 |  |  |  |  |
| Aliphatic C12-C16 | 151715.035     | 6.154 |  |  |  |  |
| Aliphatic C16-C21 | 146082.2859996 | 6.274 |  |  |  |  |
| Aliphatic C21-C28 | 140208.524     | 6.155 |  |  |  |  |
| Aliphatic C28-C40 | 147288.840333  | 5.849 |  |  |  |  |
| Aliphatic EPH     | 146948.0391106 | 5.862 |  |  |  |  |

**Concentration**

| Parameter Range   | FE049169.D | FE049170.D | FE049171.D | FE049172.D | FE049173.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   | FE049169.D    | FE049170.D    | FE049171.D    | FE049172.D    | FE049173.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 163636.373333 | 148489.273333 | 154381.016666 | 142523.800000 | 155670.600000 |  |
| Aliphatic C12-C16 | 165366.955000 | 146409.420000 | 152763.650000 | 140351.050000 | 153684.100000 |  |
| Aliphatic C16-C21 | 159606.210000 | 140978.253333 | 147273.033333 | 134974.266666 | 147579.666666 |  |

Initial Calibration Report for SequenceID : FE071724AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 153063.490000 | 135325.655000 | 141300.500000 | 129906.875000 | 141446.100000 |  |
| Aliphatic C28-C40 | 158237.076666 | 140109.533333 | 148780.891666 | 137262.300000 | 152054.400000 |  |
| Aliphatic EPH     | 159007.671111 | 141287.846666 | 148243.155555 | 136466.533333 | 149734.988888 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
 Data File : FE049169.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Jul 2024 11:52  
 Operator : YP\AJ  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 17 13:22:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 17 13:18:30 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)    | 11.924 | 17013016   | 104.167 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 208.33%       |
| 12) S 1-chlorooctadecane (S... | 13.356 | 13117889   | 105.154 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 210.31%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.306  | 15601455   | 100.981 ug/ml |
| 2) T n-Decane (C10)            | 4.557  | 16630751   | 103.283 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.263  | 17426086   | 104.955 ug/ml |
| 4) T n-Dodecane (C12)          | 6.725  | 16858706   | 104.385 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.361  | 16762023   | 106.164 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.552  | 16434948   | 103.872 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.160 | 16638443   | 104.051 ug/ml |
| 8) T n-Octadecane (C18)        | 11.605 | 16583398   | 103.959 ug/ml |
| 10) T n-Eicosane (C20)         | 12.911 | 15786430   | 104.008 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.523 | 15512035   | 104.093 ug/ml |
| 13) T n-Docosane (C22)         | 14.109 | 15387340   | 104.088 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.212 | 15378658   | 104.335 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.232 | 15274157   | 103.896 ug/ml |
| 16) T n-Octacosane (C28)       | 17.181 | 15185241   | 103.663 ug/ml |
| 17) T n-Tricontane (C30)       | 18.068 | 15574749   | 102.598 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.899 | 15506094   | 102.047 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.683 | 15514186   | 102.416 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.422 | 15712635   | 103.019 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.158 | 16224685   | 104.021 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.069 | 16409897   | 104.307 ug/ml |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

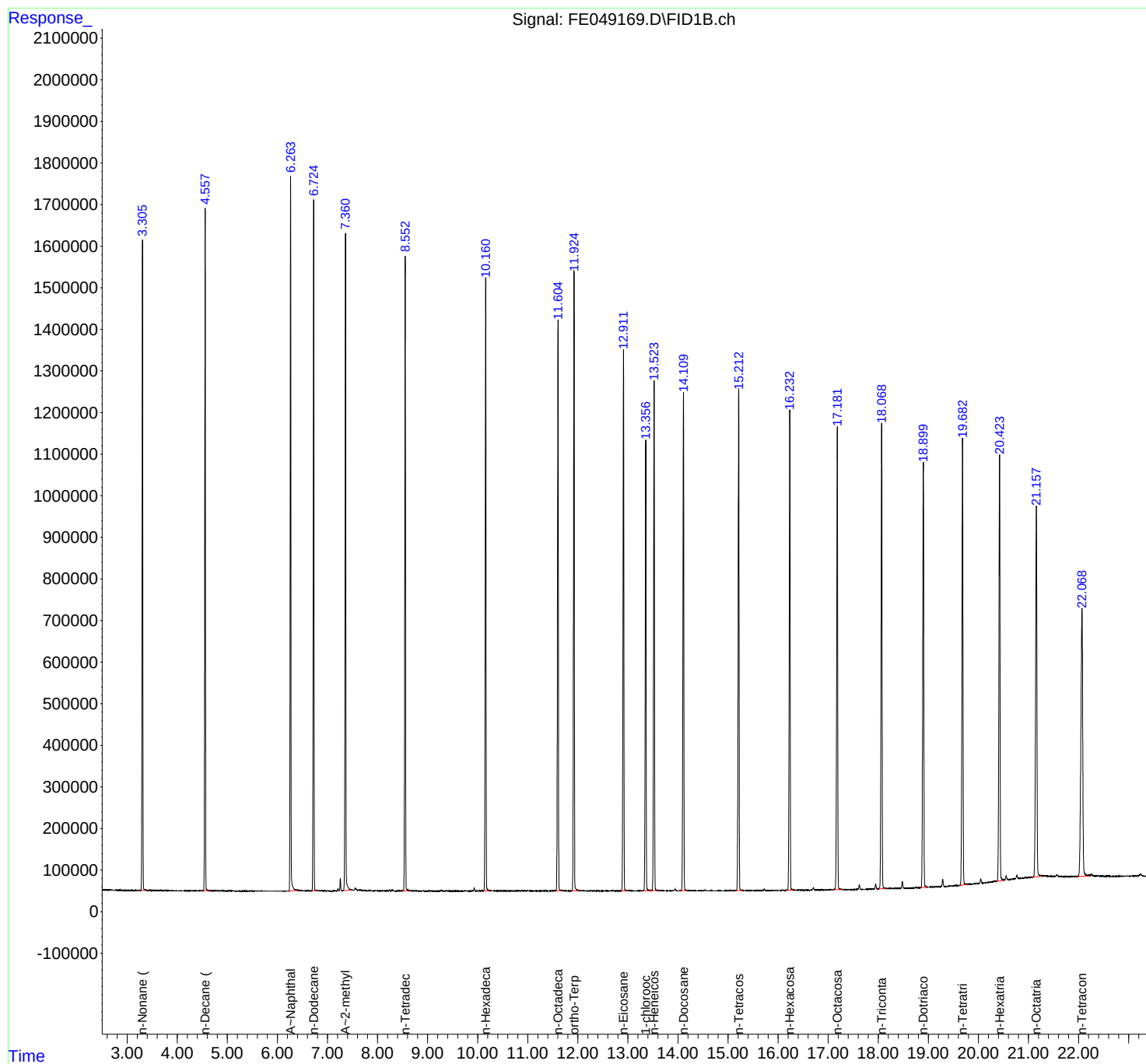
(m)=manual int.

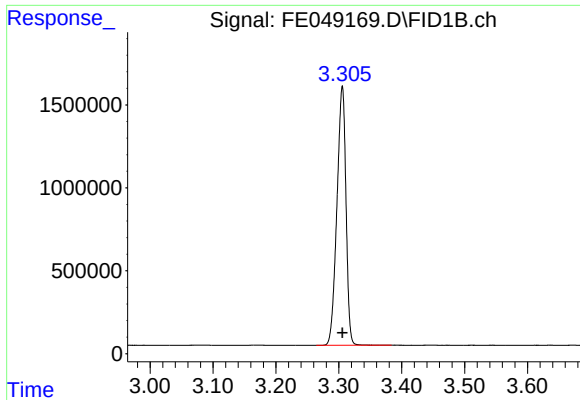
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049169.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 11:52  
Operator : YP\AJ  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jul 17 13:22:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 17 13:18:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

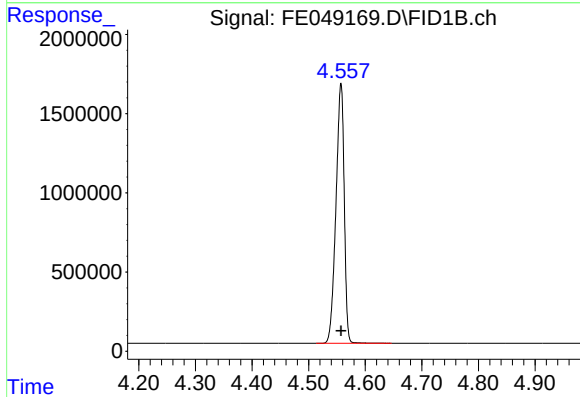




#1 n-Nonane (C9)

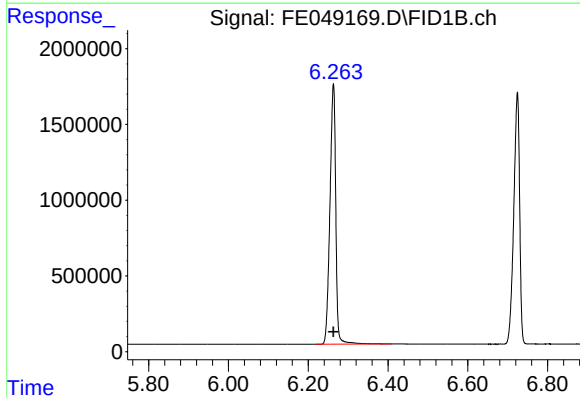
R.T.: 3.306 min  
Delta R.T.: 0.000 min  
Response: 15601455  
Conc: 100.98 ug/ml

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



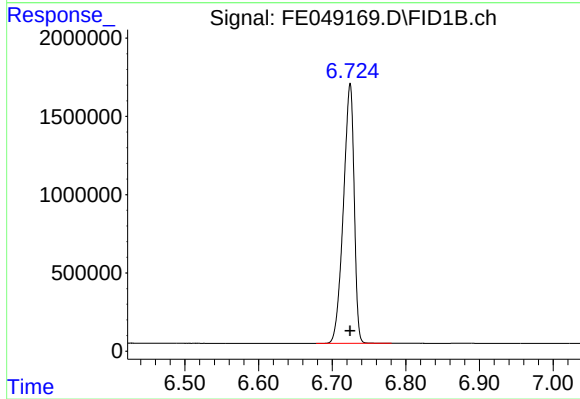
#2 n-Decane (C10)

R.T.: 4.557 min  
Delta R.T.: 0.000 min  
Response: 16630751  
Conc: 103.28 ug/ml



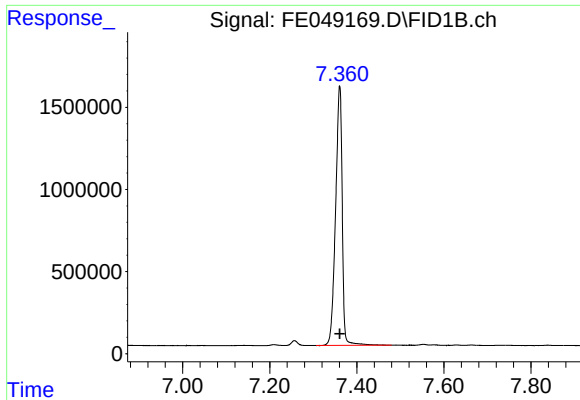
#3 A~Naphthalene (C11.7)

R.T.: 6.263 min  
Delta R.T.: 0.000 min  
Response: 17426086  
Conc: 104.95 ug/ml



#4 n-Dodecane (C12)

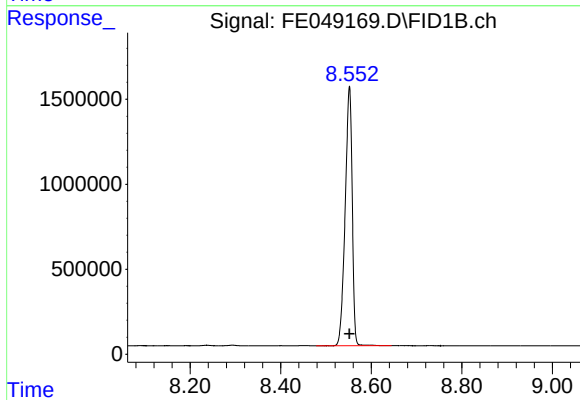
R.T.: 6.725 min  
Delta R.T.: 0.000 min  
Response: 16858706  
Conc: 104.38 ug/ml



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

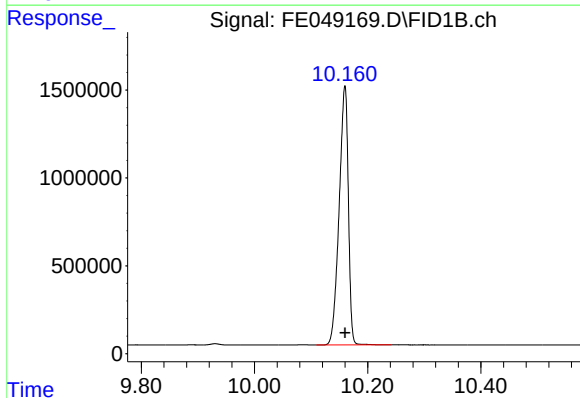
R.T.: 7.361 min  
Delta R.T.: 0.000 min  
Response: 16762023  
Conc: 106.16 ug/ml

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



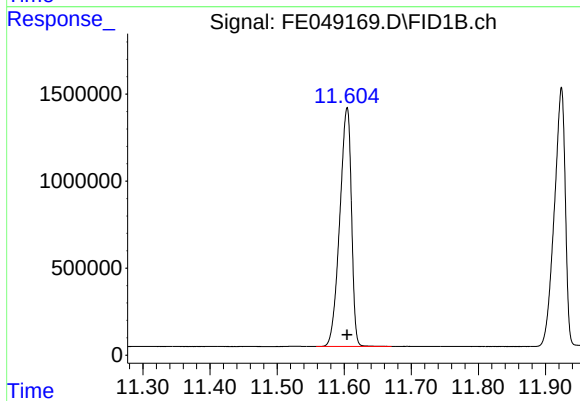
#6 n-Tetradecane (C14)

R.T.: 8.552 min  
Delta R.T.: 0.000 min  
Response: 16434948  
Conc: 103.87 ug/ml



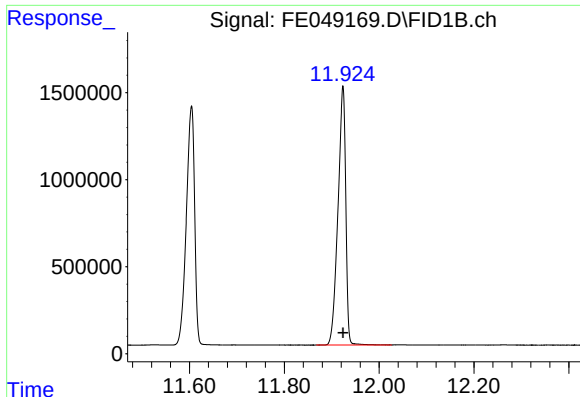
#7 n-Hexadecane (C16)

R.T.: 10.160 min  
Delta R.T.: 0.000 min  
Response: 16638443  
Conc: 104.05 ug/ml



#8 n-Octadecane (C18)

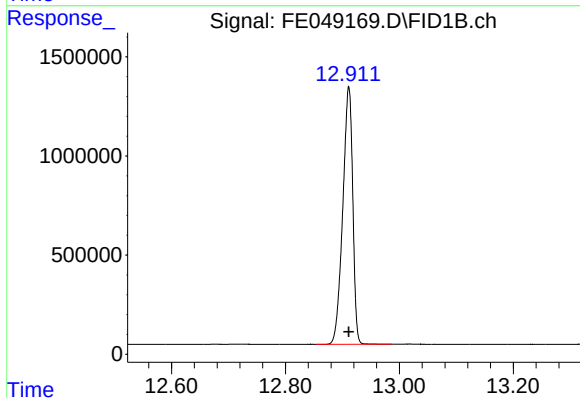
R.T.: 11.605 min  
Delta R.T.: 0.000 min  
Response: 16583398  
Conc: 103.96 ug/ml



#9 ortho-Terphenyl (SURR)

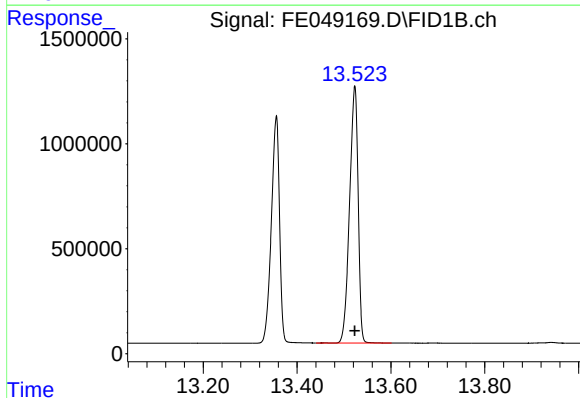
R.T.: 11.924 min  
Delta R.T.: 0.000 min  
Response: 17013016  
Conc: 104.17 ug/ml

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



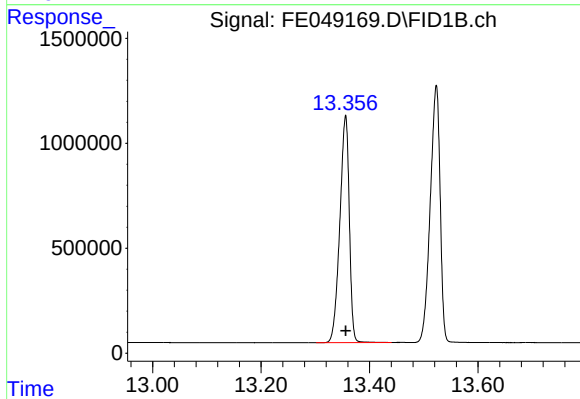
#10 n-Eicosane (C20)

R.T.: 12.911 min  
Delta R.T.: 0.000 min  
Response: 15786430  
Conc: 104.01 ug/ml



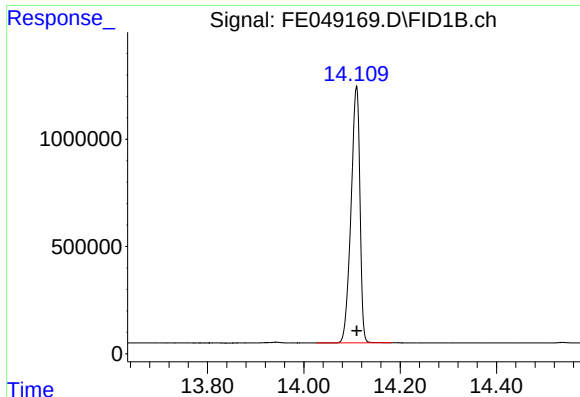
#11 n-Heneicosane (C21)

R.T.: 13.523 min  
Delta R.T.: 0.000 min  
Response: 15512035  
Conc: 104.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.356 min  
Delta R.T.: 0.000 min  
Response: 13117889  
Conc: 105.15 ug/ml



#13 n-Docosane (C22)

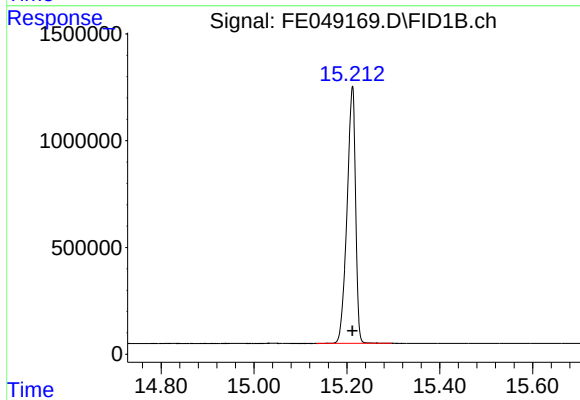
R.T.: 14.109 min  
Delta R.T.: 0.000 min  
Response: 15387340  
Conc: 104.09 ug/ml

Instrument :

FID\_E

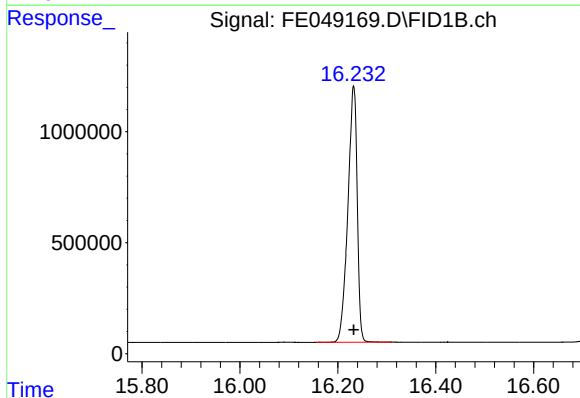
ClientSampleId :

100 PPM ALIPHATIC HC STD1



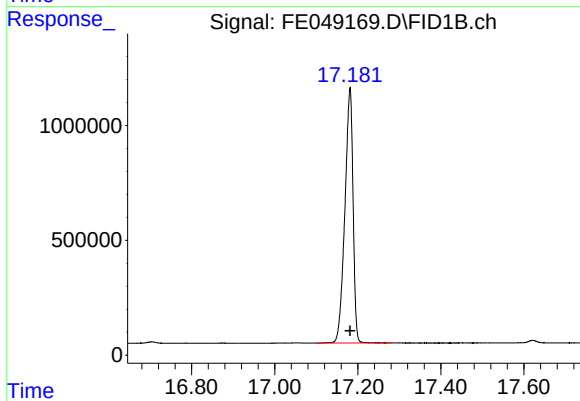
#14 n-Tetracosane (C24)

R.T.: 15.212 min  
Delta R.T.: 0.000 min  
Response: 15378658  
Conc: 104.33 ug/ml



#15 n-Hexacosane (C26)

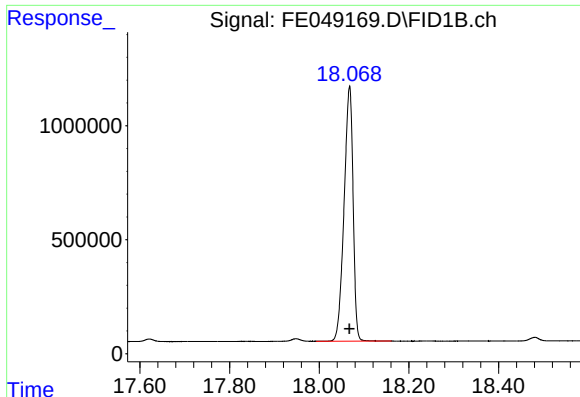
R.T.: 16.232 min  
Delta R.T.: 0.000 min  
Response: 15274157  
Conc: 103.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.181 min  
Delta R.T.: 0.000 min  
Response: 15185241  
Conc: 103.66 ug/ml

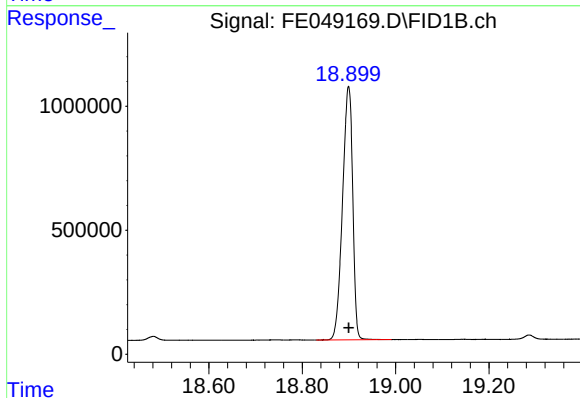




#17 n-Tricontane (C30)

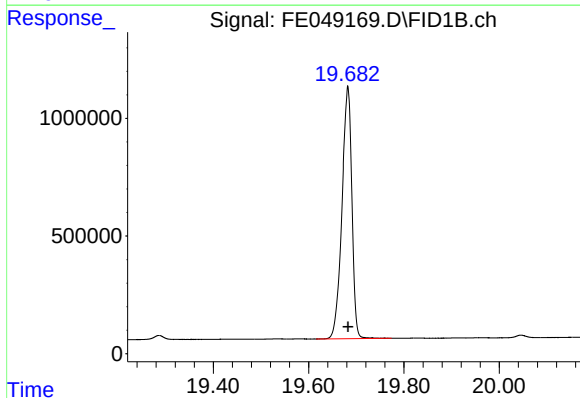
R.T.: 18.068 min  
Delta R.T.: 0.000 min  
Response: 15574749  
Conc: 102.60 ug/ml

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



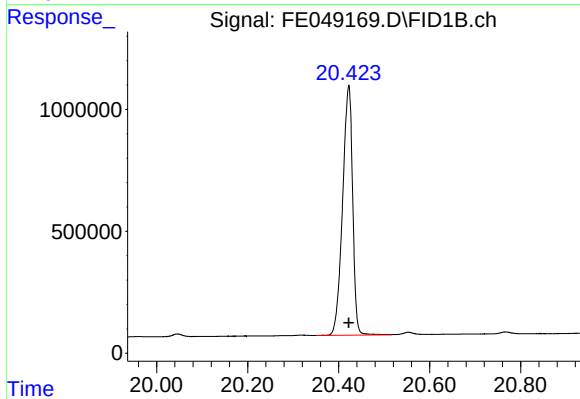
#18 n-Dotriacontane (C32)

R.T.: 18.899 min  
Delta R.T.: 0.000 min  
Response: 15506094  
Conc: 102.05 ug/ml



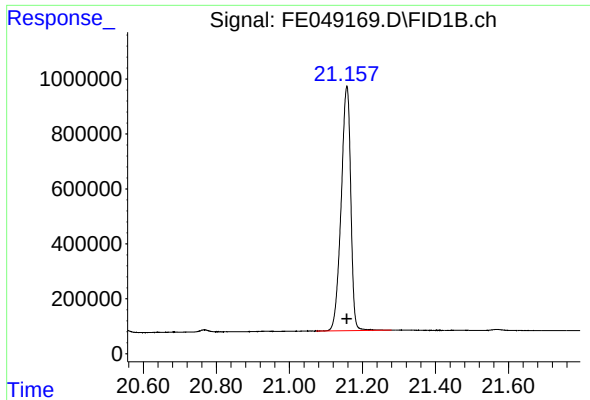
#19 n-Tetratriacontane (C34)

R.T.: 19.683 min  
Delta R.T.: 0.000 min  
Response: 15514186  
Conc: 102.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.422 min  
Delta R.T.: 0.000 min  
Response: 15712635  
Conc: 103.02 ug/ml



#21 n-Octatriacontane (C38)

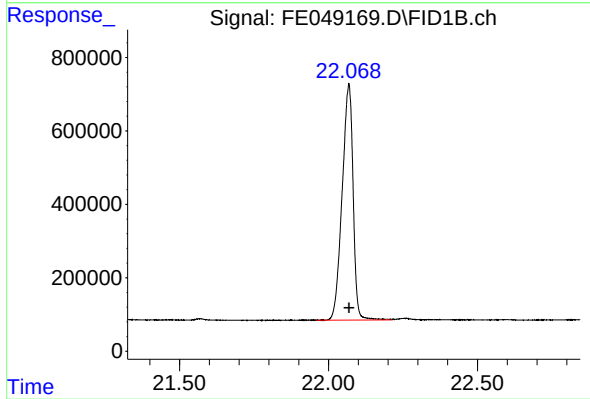
R.T.: 21.158 min  
Delta R.T.: 0.000 min  
Response: 16224685  
Conc: 104.02 ug/ml

Instrument :

FID\_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.069 min  
Delta R.T.: 0.000 min  
Response: 16409897  
Conc: 104.31 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049169.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 11:52  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Title : GC Extractables

Signal : FID1B.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                       | 3.306       | 3.264        | 3.384      | BB       | 1562856        | 15601455     | 89.53%         | 4.451%        |
| 2                       | 4.557       | 4.513        | 4.646      | BB       | 1640013        | 16630751     | 95.44%         | 4.744%        |
| 3                       | 6.263       | 6.220        | 6.409      | BB       | 1718267        | 17426086     | 100.00%        | 4.971%        |
| 4                       | 6.725       | 6.678        | 6.781      | BV       | 1661188        | 16858706     | 96.74%         | 4.809%        |
| 5                       | 7.361       | 7.306        | 7.480      | BV       | 1579803        | 16762023     | 96.19%         | 4.782%        |
| 6                       | 8.552       | 8.478        | 8.645      | BB       | 1526332        | 16434948     | 94.31%         | 4.689%        |
| 7                       | 10.160      | 10.109       | 10.242     | BB       | 1474741        | 16638443     | 95.48%         | 4.747%        |
| 8                       | 11.605      | 11.558       | 11.671     | BB       | 1373697        | 16583398     | 95.16%         | 4.731%        |
| 9                       | 11.924      | 11.867       | 12.026     | BV       | 1488545        | 17013016     | 97.63%         | 4.853%        |
| 10                      | 12.911      | 12.854       | 12.986     | BB       | 1300069        | 15786430     | 90.59%         | 4.504%        |
| 11                      | 13.356      | 13.301       | 13.441     | BV       | 1084132        | 13117889     | 75.28%         | 3.742%        |
| 12                      | 13.523      | 13.441       | 13.601     | VB       | 1226081        | 15512035     | 89.02%         | 4.425%        |
| 13                      | 14.109      | 14.026       | 14.182     | BB       | 1199149        | 15387340     | 88.30%         | 4.390%        |
| 14                      | 15.212      | 15.134       | 15.296     | BB       | 1204573        | 15378658     | 88.25%         | 4.387%        |
| 15                      | 16.232      | 16.156       | 16.310     | BB       | 1153422        | 15274157     | 87.65%         | 4.357%        |
| 16                      | 17.181      | 17.100       | 17.281     | BB       | 1111962        | 15185241     | 87.14%         | 4.332%        |
| 17                      | 18.068      | 17.993       | 18.161     | BB       | 1115861        | 15574749     | 89.38%         | 4.443%        |
| 18                      | 18.899      | 18.830       | 18.991     | BB       | 1022108        | 15506094     | 88.98%         | 4.424%        |
| 19                      | 19.683      | 19.616       | 19.774     | BB       | 1073801        | 15514186     | 89.03%         | 4.426%        |
| 20                      | 20.422      | 20.351       | 20.516     | BV       | 1023483        | 15712635     | 90.17%         | 4.483%        |
| 21                      | 21.158      | 21.073       | 21.280     | BB       | 891187         | 16224685     | 93.11%         | 4.629%        |
| 22                      | 22.069      | 21.959       | 22.212     | BV       | 644802         | 16409897     | 94.17%         | 4.681%        |
| Sum of corrected areas: |             |              |            |          |                | 350532822    |                |               |

Aliphatic EPH 071724.M Wed Jul 17 15:41:34 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
 Data File : FE049170.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Jul 2024 12:22  
 Operator : YP\AJ  
 Sample : 50 PPM ALIPHATIC HC STD2  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 17 13:28:29 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 17 13:18:30 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)    | 11.916 | 7515081    | 47.269 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 94.54%       |
| 12) S 1-chlorooctadecane (S... | 13.350 | 5751312    | 47.333 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 94.67%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.302  | 7347472    | 48.344 ug/ml |
| 2) T n-Decane (C10)            | 4.552  | 7486594    | 47.607 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.258  | 7718362    | 47.602 ug/ml |
| 4) T n-Dodecane (C12)          | 6.719  | 7439325    | 47.304 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.354  | 7292378    | 47.392 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.546  | 7280211    | 47.269 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.154 | 7360731    | 47.282 ug/ml |
| 8) T n-Octadecane (C18)        | 11.597 | 7331231    | 47.231 ug/ml |
| 10) T n-Eicosane (C20)         | 12.906 | 6972684    | 47.218 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.517 | 6842823    | 47.203 ug/ml |
| 13) T n-Docosane (C22)         | 14.103 | 6795115    | 47.236 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.205 | 6802682    | 47.367 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.225 | 6758100    | 47.239 ug/ml |
| 16) T n-Octacosane (C28)       | 17.173 | 6709234    | 47.120 ug/ml |
| 17) T n-Tricontane (C30)       | 18.061 | 6868220    | 46.726 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.893 | 6858695    | 46.650 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.675 | 6868946    | 46.797 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.416 | 7019749    | 47.278 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.149 | 7171299    | 47.244 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.057 | 7245951    | 47.301 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

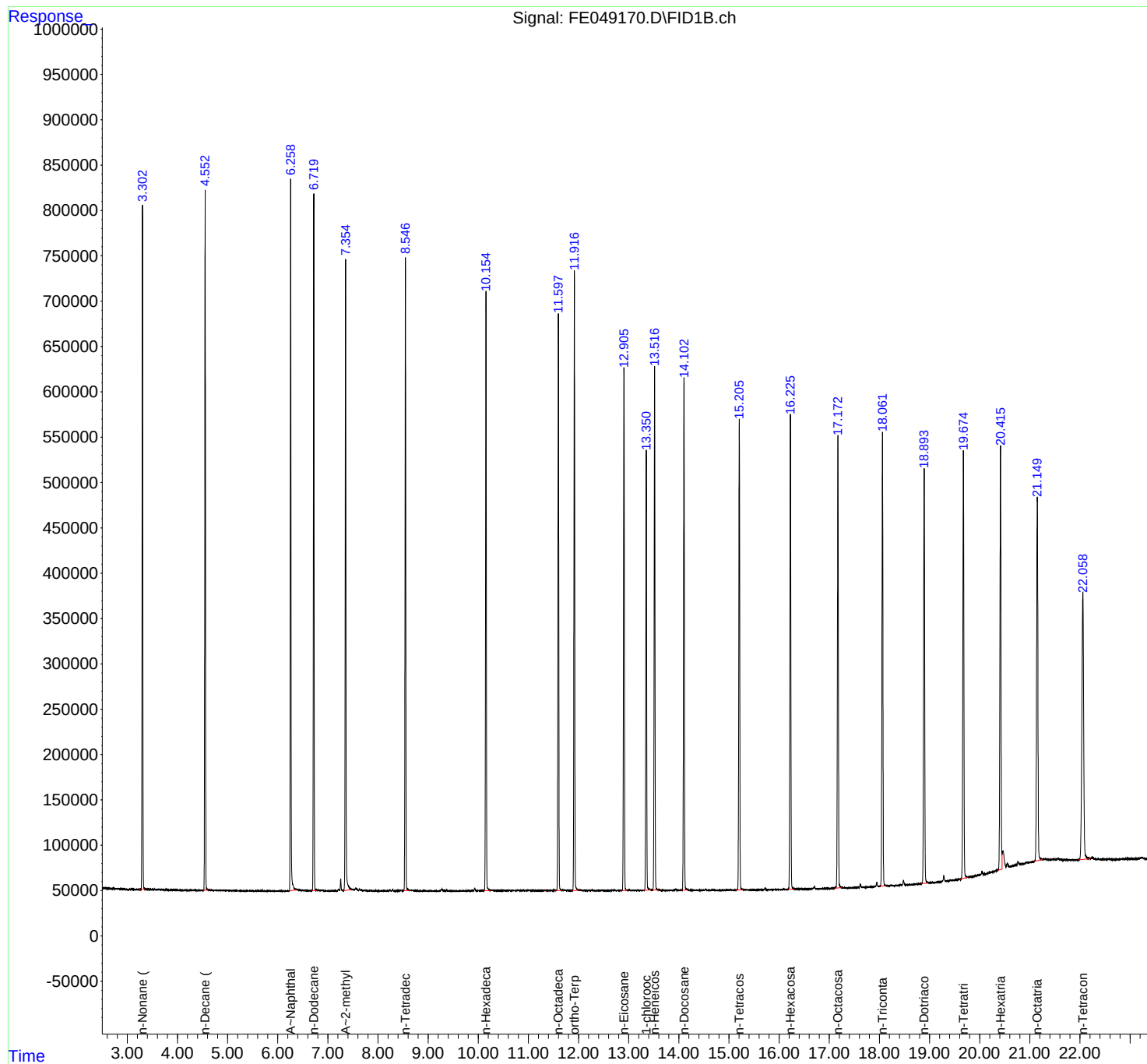
(m)=manual int.

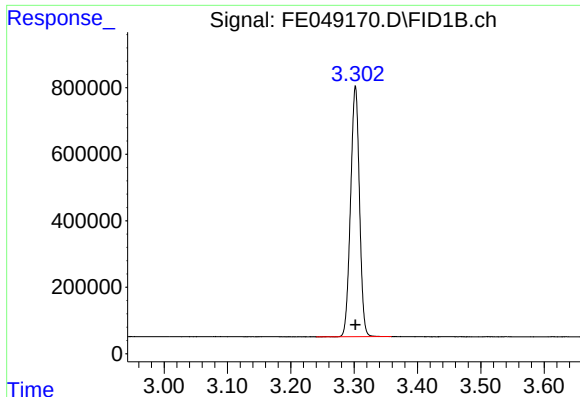
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049170.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 12:22  
Operator : YP\AJ  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jul 17 13:28:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 17 13:18:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

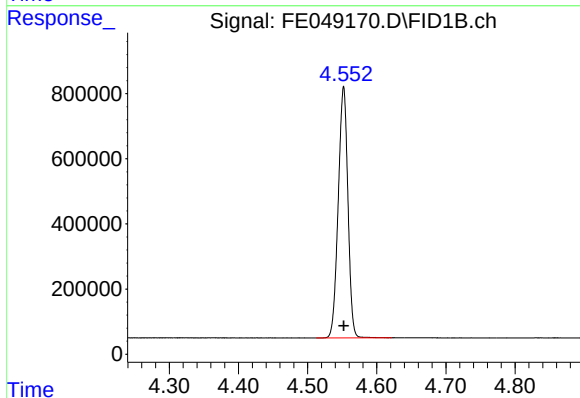




#1 n-Nonane (C9)

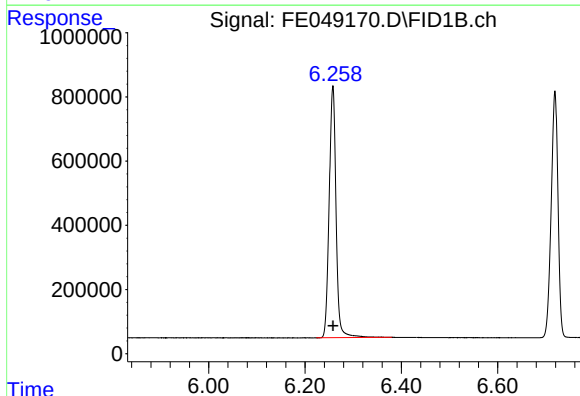
R.T.: 3.302 min  
Delta R.T.: 0.000 min  
Response: 7347472  
Conc: 48.34 ug/ml

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



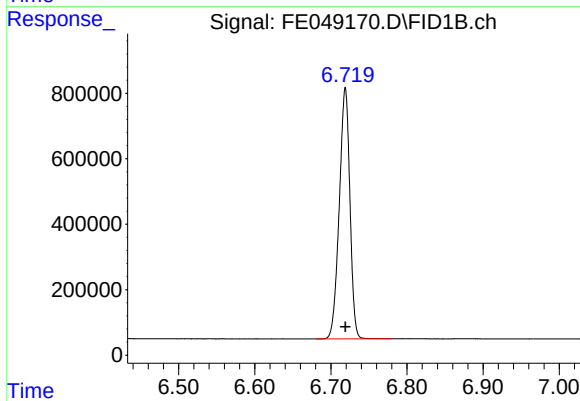
#2 n-Decane (C10)

R.T.: 4.552 min  
Delta R.T.: 0.000 min  
Response: 7486594  
Conc: 47.61 ug/ml



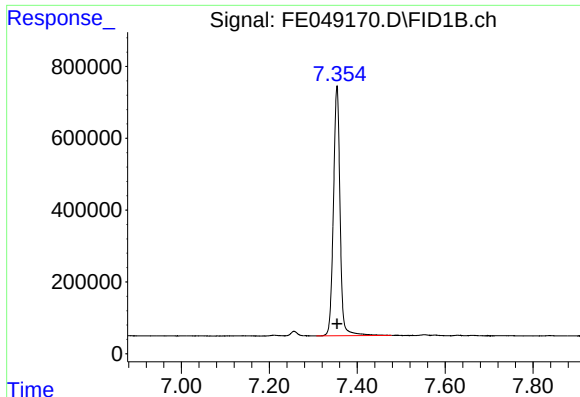
#3 A~Naphthalene (C11.7)

R.T.: 6.258 min  
Delta R.T.: 0.000 min  
Response: 7718362  
Conc: 47.60 ug/ml



#4 n-Dodecane (C12)

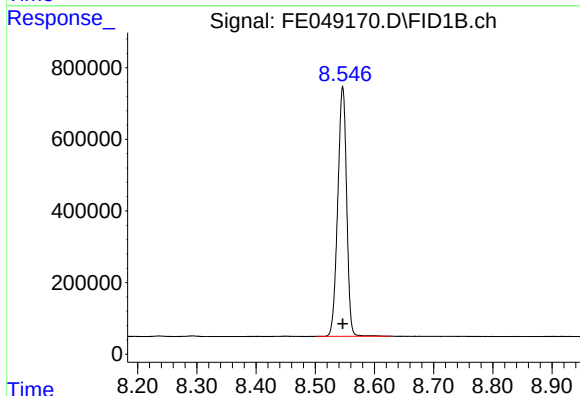
R.T.: 6.719 min  
Delta R.T.: 0.000 min  
Response: 7439325  
Conc: 47.30 ug/ml



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

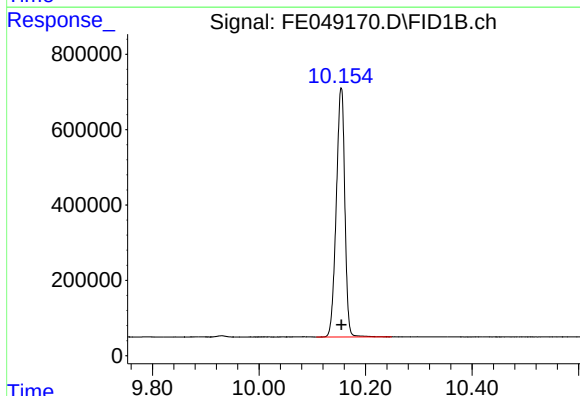
R.T.: 7.354 min  
Delta R.T.: 0.000 min  
Response: 7292378  
Conc: 47.39 ug/ml

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



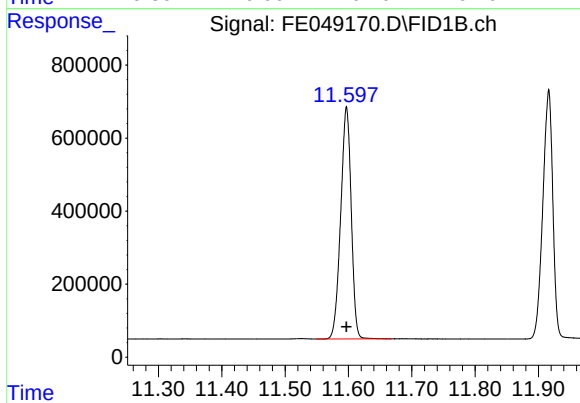
#6 n-Tetradecane (C14)

R.T.: 8.546 min  
Delta R.T.: 0.000 min  
Response: 7280211  
Conc: 47.27 ug/ml



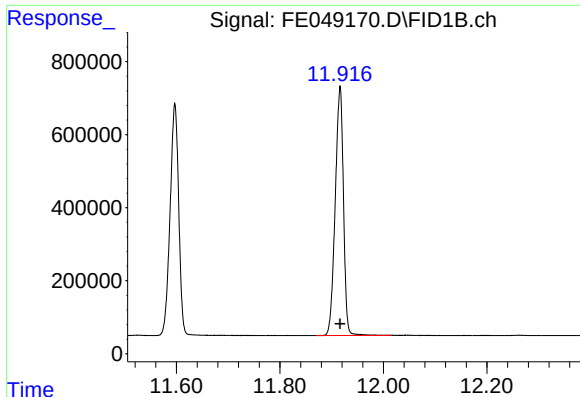
#7 n-Hexadecane (C16)

R.T.: 10.154 min  
Delta R.T.: 0.000 min  
Response: 7360731  
Conc: 47.28 ug/ml



#8 n-Octadecane (C18)

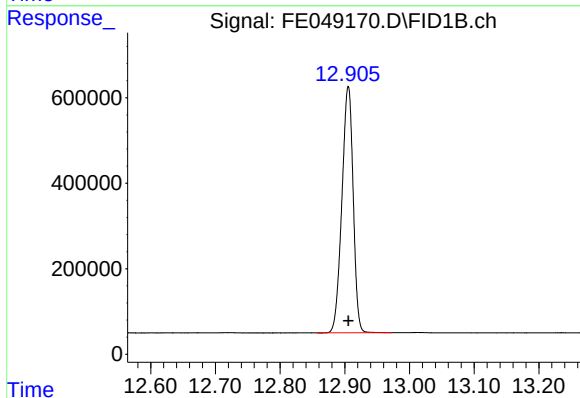
R.T.: 11.597 min  
Delta R.T.: 0.000 min  
Response: 7331231  
Conc: 47.23 ug/ml



#9 ortho-Terphenyl (SURR)

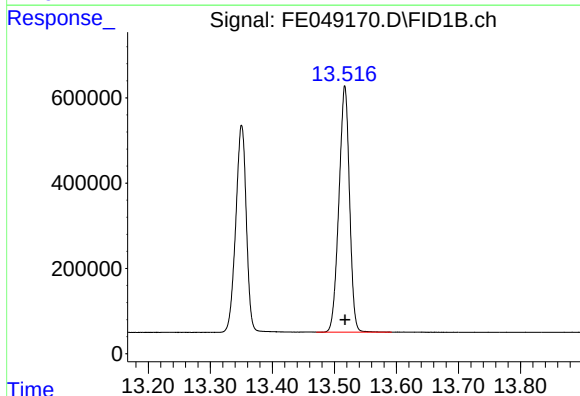
R.T.: 11.916 min  
Delta R.T.: 0.000 min  
Response: 7515081  
Conc: 47.27 ug/ml

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



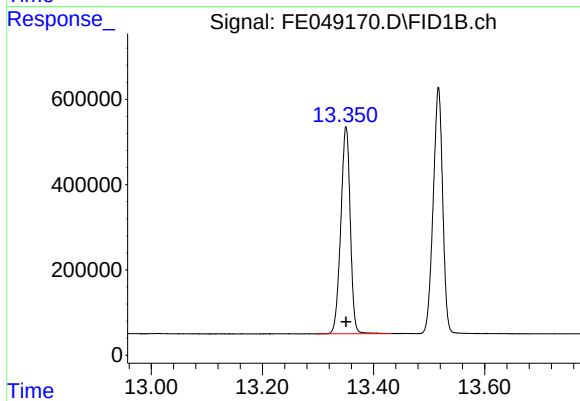
#10 n-Eicosane (C20)

R.T.: 12.906 min  
Delta R.T.: 0.000 min  
Response: 6972684  
Conc: 47.22 ug/ml



#11 n-Heneicosane (C21)

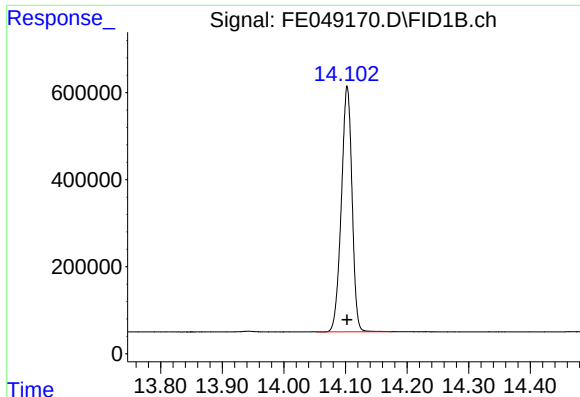
R.T.: 13.517 min  
Delta R.T.: 0.000 min  
Response: 6842823  
Conc: 47.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.350 min  
Delta R.T.: 0.000 min  
Response: 5751312  
Conc: 47.33 ug/ml

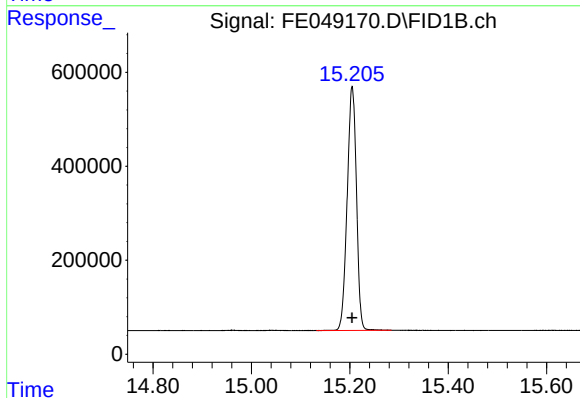




#13 n-Docosane (C22)

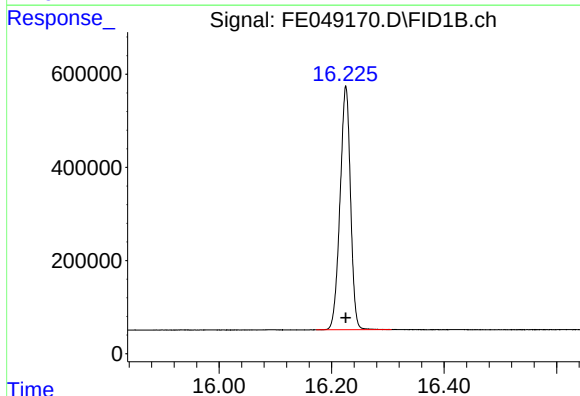
R.T.: 14.103 min  
Delta R.T.: 0.000 min  
Response: 6795115  
Conc: 47.24 ug/ml

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



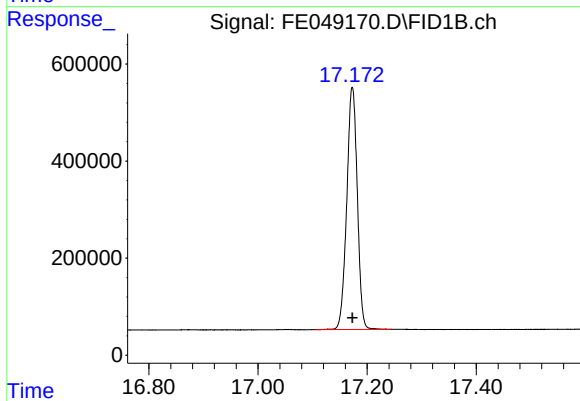
#14 n-Tetracosane (C24)

R.T.: 15.205 min  
Delta R.T.: 0.000 min  
Response: 6802682  
Conc: 47.37 ug/ml



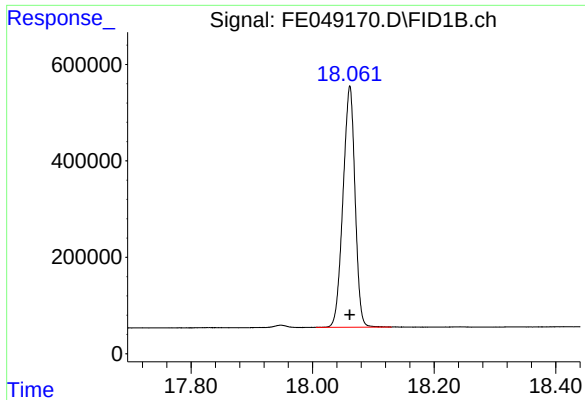
#15 n-Hexacosane (C26)

R.T.: 16.225 min  
Delta R.T.: 0.000 min  
Response: 6758100  
Conc: 47.24 ug/ml



#16 n-Octacosane (C28)

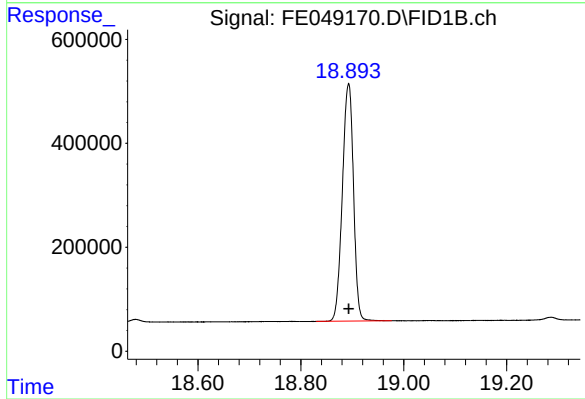
R.T.: 17.173 min  
Delta R.T.: 0.000 min  
Response: 6709234  
Conc: 47.12 ug/ml



#17 n-Tricontane (C30)

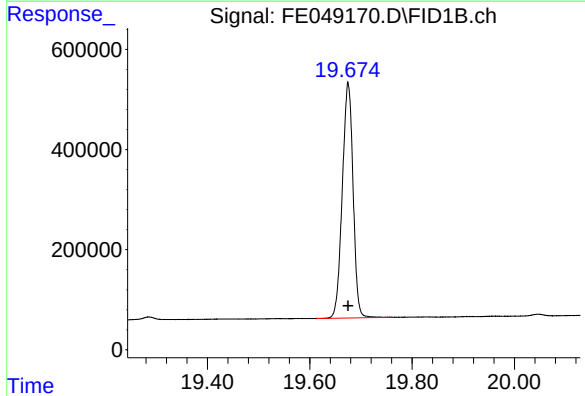
R.T.: 18.061 min  
Delta R.T.: 0.000 min  
Response: 6868220  
Conc: 46.73 ug/ml

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



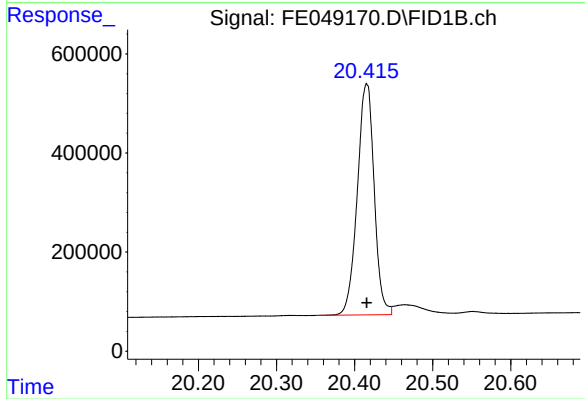
#18 n-Dotriacontane (C32)

R.T.: 18.893 min  
Delta R.T.: 0.000 min  
Response: 6858695  
Conc: 46.65 ug/ml



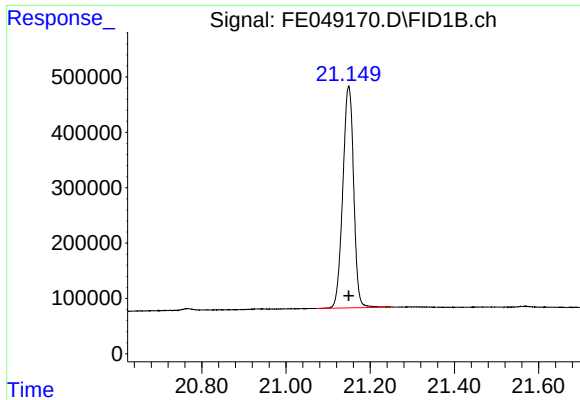
#19 n-Tetratriacontane (C34)

R.T.: 19.675 min  
Delta R.T.: 0.000 min  
Response: 6868946  
Conc: 46.80 ug/ml



#20 n-Hexatriacontane (C36)

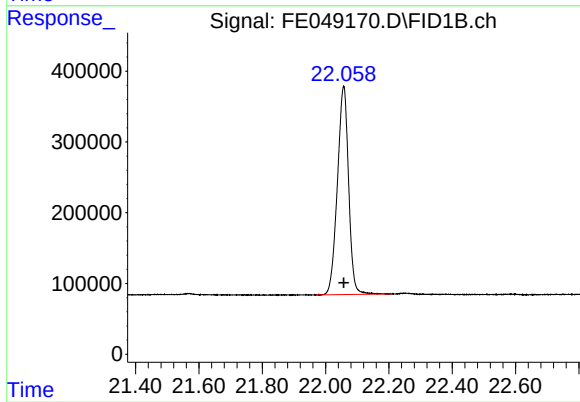
R.T.: 20.416 min  
Delta R.T.: 0.000 min  
Response: 7019749  
Conc: 47.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.149 min  
Delta R.T.: 0.000 min  
Response: 7171299  
Conc: 47.24 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 22.057 min  
Delta R.T.: 0.000 min  
Response: 7245951  
Conc: 47.30 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049170.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 12:22  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Title : GC Extractables

Signal : FID1B.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                       | 3.302       | 3.240        | 3.359      | BB       | 753982         | 7347472      | 95.19%         | 4.727%        |
| 2                       | 4.552       | 4.512        | 4.622      | BB       | 771758         | 7486594      | 97.00%         | 4.817%        |
| 3                       | 6.258       | 6.223        | 6.380      | BB       | 785977         | 7718362      | 100.00%        | 4.966%        |
| 4                       | 6.719       | 6.681        | 6.780      | BB       | 768076         | 7439325      | 96.38%         | 4.786%        |
| 5                       | 7.354       | 7.307        | 7.478      | BB       | 695688         | 7292378      | 94.48%         | 4.692%        |
| 6                       | 8.546       | 8.502        | 8.629      | BB       | 697596         | 7280211      | 94.32%         | 4.684%        |
| 7                       | 10.154      | 10.107       | 10.249     | BB       | 661113         | 7360731      | 95.37%         | 4.736%        |
| 8                       | 11.597      | 11.549       | 11.668     | BB       | 635691         | 7331231      | 94.98%         | 4.717%        |
| 9                       | 11.916      | 11.870       | 12.016     | BB       | 683524         | 7515081      | 97.37%         | 4.835%        |
| 10                      | 12.906      | 12.856       | 12.972     | BB       | 576171         | 6972684      | 90.34%         | 4.486%        |
| 11                      | 13.350      | 13.297       | 13.432     | BB       | 485283         | 5751312      | 74.51%         | 3.700%        |
| 12                      | 13.517      | 13.471       | 13.592     | BB       | 577836         | 6842823      | 88.66%         | 4.402%        |
| 13                      | 14.103      | 14.052       | 14.175     | BB       | 564956         | 6795115      | 88.04%         | 4.372%        |
| 14                      | 15.205      | 15.132       | 15.285     | BB       | 519348         | 6802682      | 88.14%         | 4.377%        |
| 15                      | 16.225      | 16.172       | 16.307     | BB       | 522874         | 6758100      | 87.56%         | 4.348%        |
| 16                      | 17.173      | 17.107       | 17.245     | BB       | 499179         | 6709234      | 86.93%         | 4.316%        |
| 17                      | 18.061      | 18.006       | 18.130     | BB       | 500729         | 6868220      | 88.99%         | 4.419%        |
| 18                      | 18.893      | 18.830       | 18.977     | BB       | 457625         | 6858695      | 88.86%         | 4.413%        |
| 19                      | 19.675      | 19.612       | 19.760     | BB       | 470905         | 6868946      | 88.99%         | 4.419%        |
| 20                      | 20.416      | 20.351       | 20.447     | BV       | 466510         | 7019749      | 90.95%         | 4.516%        |
| 21                      | 21.149      | 21.072       | 21.251     | BB       | 401180         | 7171299      | 92.91%         | 4.614%        |
| 22                      | 22.057      | 21.970       | 22.209     | BB       | 294469         | 7245951      | 93.88%         | 4.662%        |
| Sum of corrected areas: |             |              |            |          |                | 155436198    |                |               |

Aliphatic EPH 071724.M Wed Jul 17 15:42:15 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
 Data File : FE049171.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Jul 2024 12:53  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 17 13:18:48 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 17 13:18:30 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)    | 11.913 | 3130401    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| 12) S 1-chlorooctadecane (S... | 13.348 | 2366390    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.301  | 3059687    | 20.000 ug/ml |
| 2) T n-Decane (C10)            | 4.551  | 3114698    | 20.000 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.257  | 3156152    | 20.000 ug/ml |
| 4) T n-Dodecane (C12)          | 6.717  | 3088476    | 20.000 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.353  | 2963137    | 20.000 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.544  | 3041955    | 20.000 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.152 | 3068591    | 20.000 ug/ml |
| 8) T n-Octadecane (C18)        | 11.595 | 3064050    | 20.000 ug/ml |
| 10) T n-Eicosane (C20)         | 12.904 | 2913922    | 20.000 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.515 | 2858410    | 20.000 ug/ml |
| 13) T n-Docosane (C22)         | 14.101 | 2835757    | 20.000 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.204 | 2820157    | 20.000 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.223 | 2825697    | 20.000 ug/ml |
| 16) T n-Octacosane (C28)       | 17.171 | 2822429    | 20.000 ug/ml |
| 17) T n-Tricontane (C30)       | 18.059 | 2957180    | 20.000 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.890 | 2976799    | 20.000 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.673 | 2956434    | 20.000 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.412 | 2958319    | 20.000 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.146 | 2994054    | 20.000 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.052 | 3010921    | 20.000 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

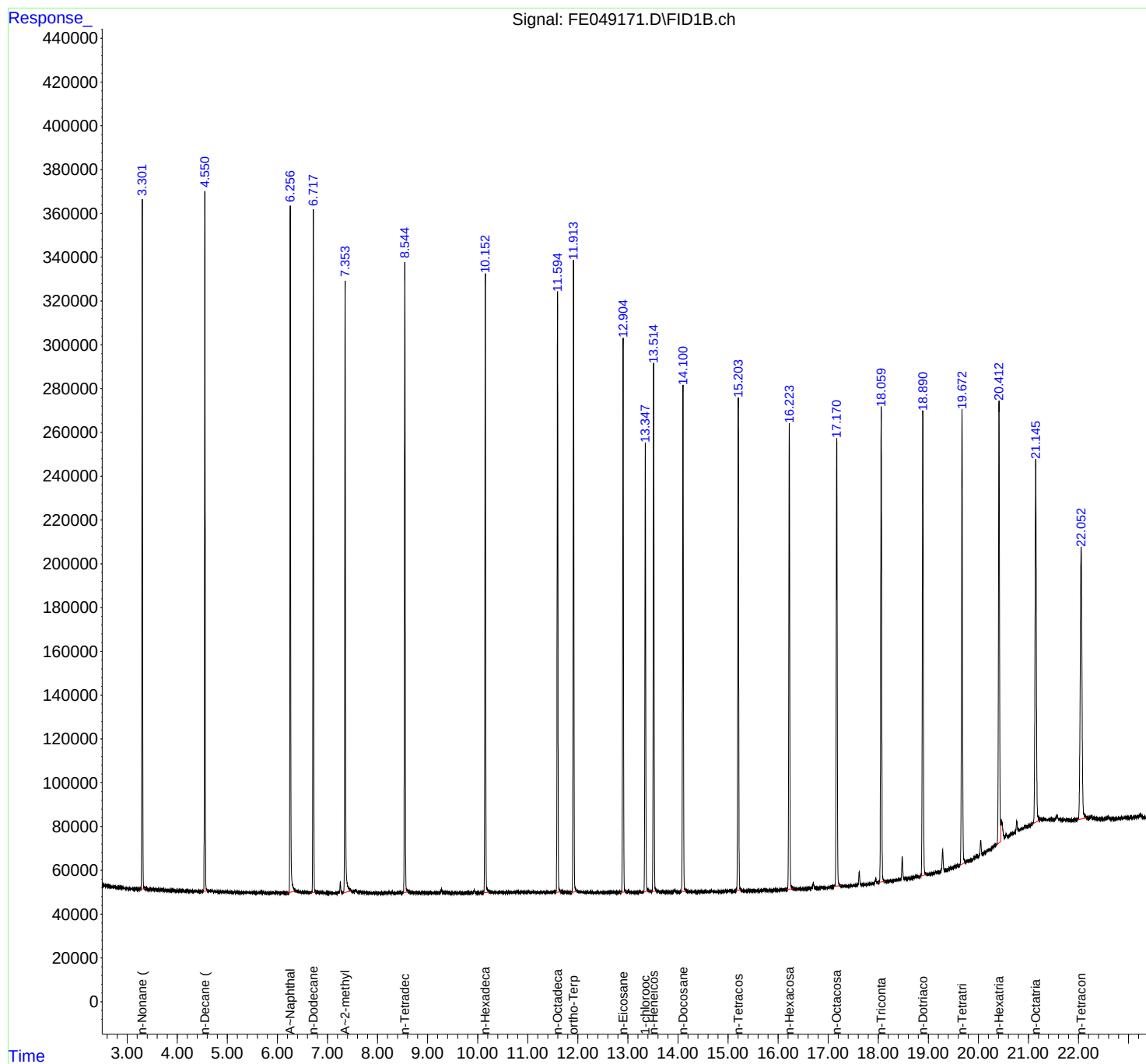
(m)=manual int.

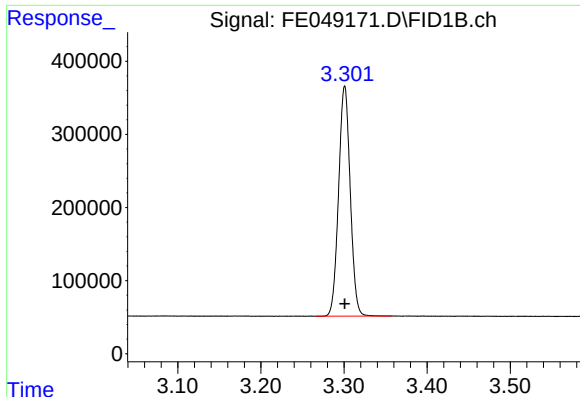
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049171.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 12:53  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jul 17 13:18:48 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 17 13:18:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

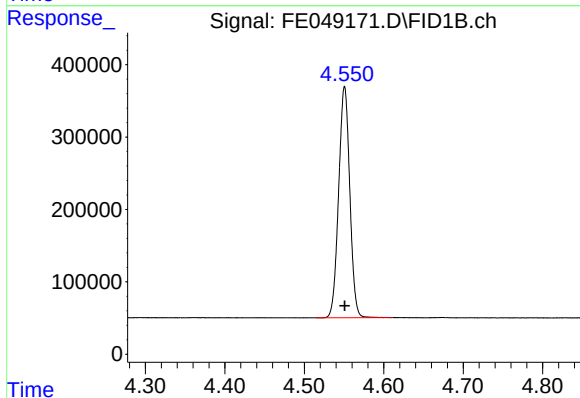




#1 n-Nonane (C9)

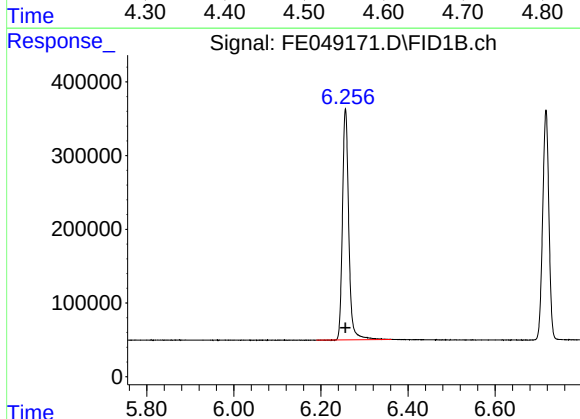
R.T.: 3.301 min  
Delta R.T.: 0.000 min  
Response: 3059687  
Conc: 20.00 ug/ml

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



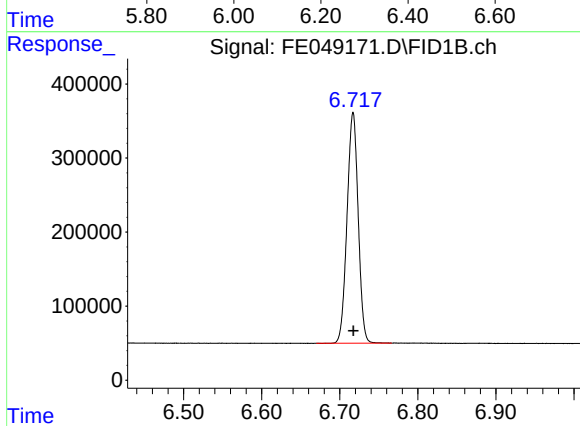
#2 n-Decane (C10)

R.T.: 4.551 min  
Delta R.T.: 0.000 min  
Response: 3114698  
Conc: 20.00 ug/ml



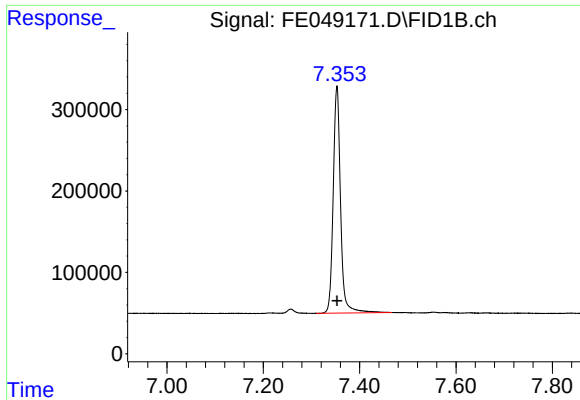
#3 A~Naphthalene (C11.7)

R.T.: 6.257 min  
Delta R.T.: 0.000 min  
Response: 3156152  
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

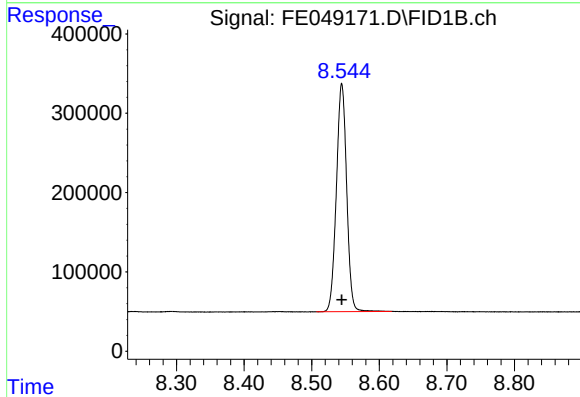
R.T.: 6.717 min  
Delta R.T.: 0.000 min  
Response: 3088476  
Conc: 20.00 ug/ml



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

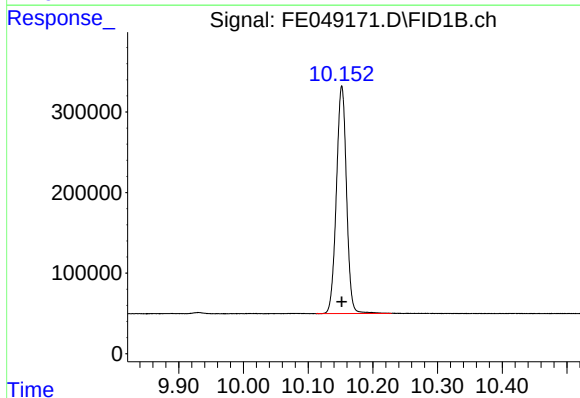
R.T.: 7.353 min  
Delta R.T.: 0.000 min  
Response: 2963137  
Conc: 20.00 ug/ml

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



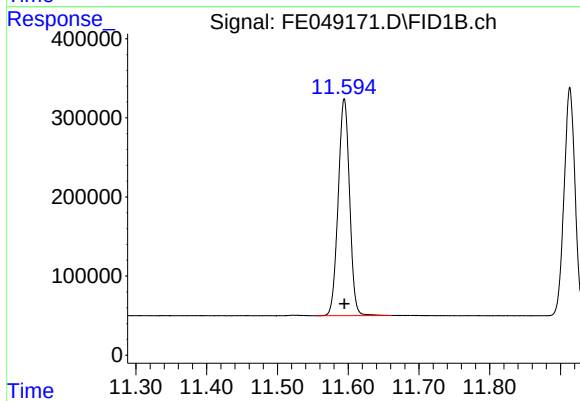
#6 n-Tetradecane (C14)

R.T.: 8.544 min  
Delta R.T.: 0.000 min  
Response: 3041955  
Conc: 20.00 ug/ml



#7 n-Hexadecane (C16)

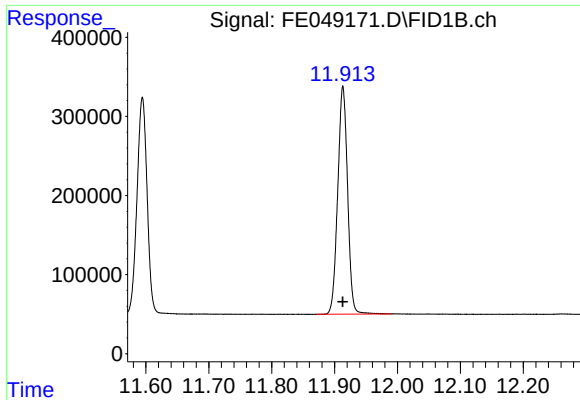
R.T.: 10.152 min  
Delta R.T.: 0.000 min  
Response: 3068591  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.595 min  
Delta R.T.: 0.000 min  
Response: 3064050  
Conc: 20.00 ug/ml

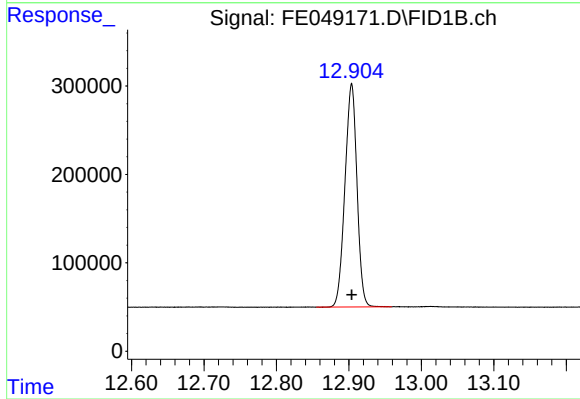




#9 ortho-Terphenyl (SURR)

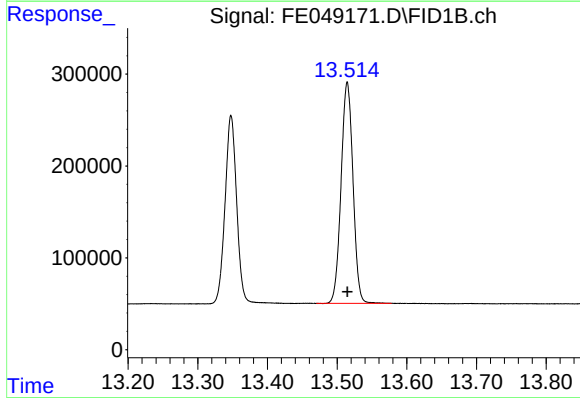
R.T.: 11.913 min  
Delta R.T.: 0.000 min  
Response: 3130401  
Conc: 20.00 ug/ml

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



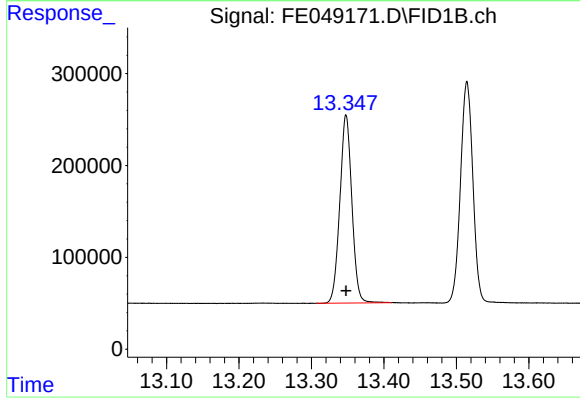
#10 n-Eicosane (C20)

R.T.: 12.904 min  
Delta R.T.: 0.000 min  
Response: 2913922  
Conc: 20.00 ug/ml



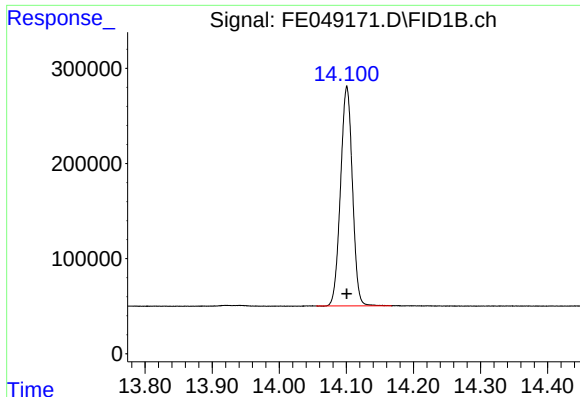
#11 n-Heneicosane (C21)

R.T.: 13.515 min  
Delta R.T.: 0.000 min  
Response: 2858410  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

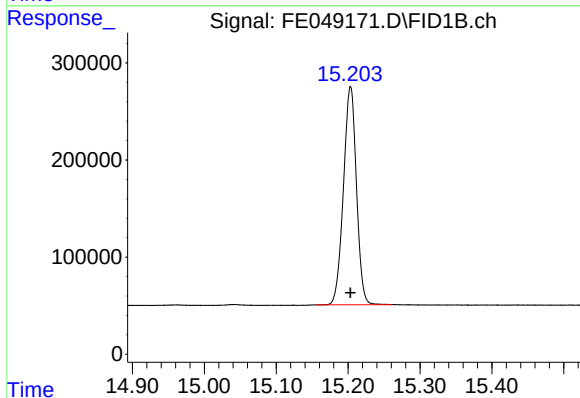
R.T.: 13.348 min  
Delta R.T.: 0.000 min  
Response: 2366390  
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

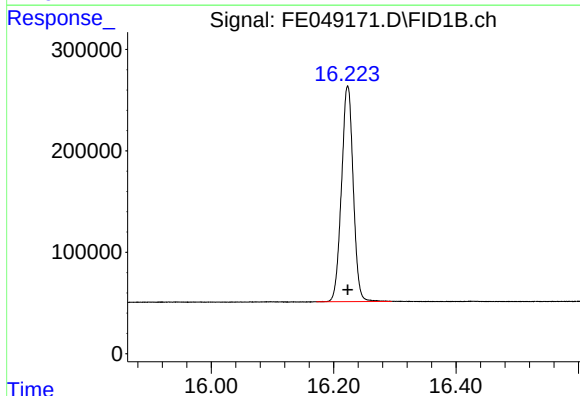
R.T.: 14.101 min  
Delta R.T.: 0.000 min  
Response: 2835757  
Conc: 20.00 ug/ml

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



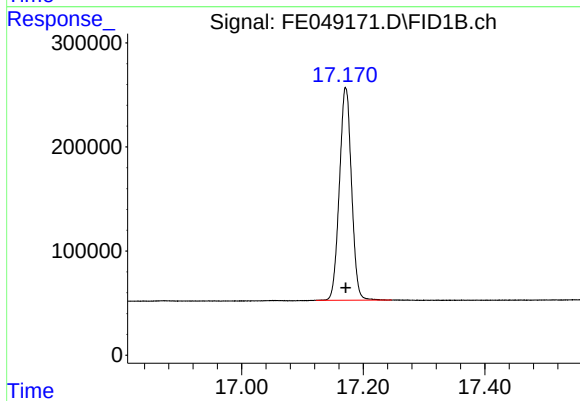
#14 n-Tetracosane (C24)

R.T.: 15.204 min  
Delta R.T.: 0.000 min  
Response: 2820157  
Conc: 20.00 ug/ml



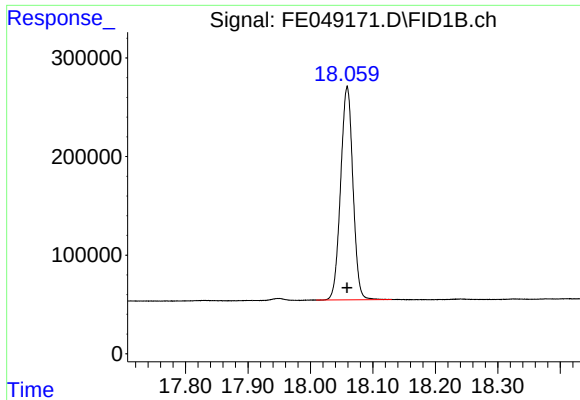
#15 n-Hexacosane (C26)

R.T.: 16.223 min  
Delta R.T.: 0.000 min  
Response: 2825697  
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

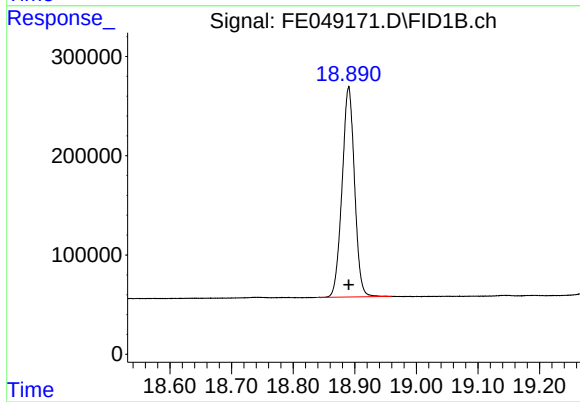
R.T.: 17.171 min  
Delta R.T.: 0.000 min  
Response: 2822429  
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

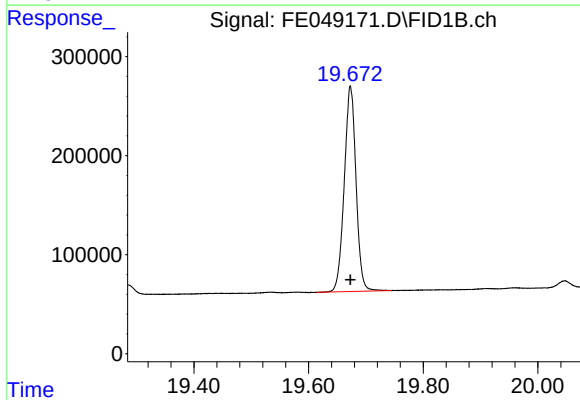
R.T.: 18.059 min  
Delta R.T.: 0.000 min  
Response: 2957180  
Conc: 20.00 ug/ml

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



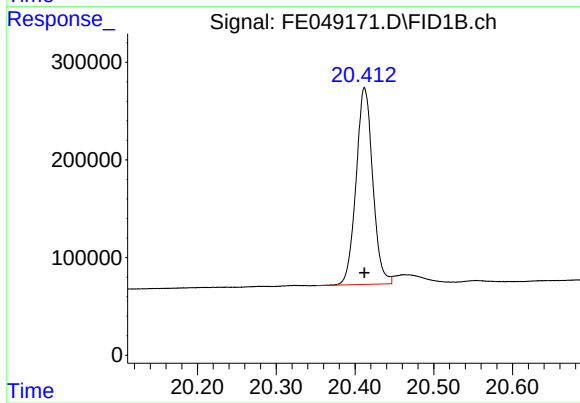
#18 n-Dotriacontane (C32)

R.T.: 18.890 min  
Delta R.T.: 0.000 min  
Response: 2976799  
Conc: 20.00 ug/ml



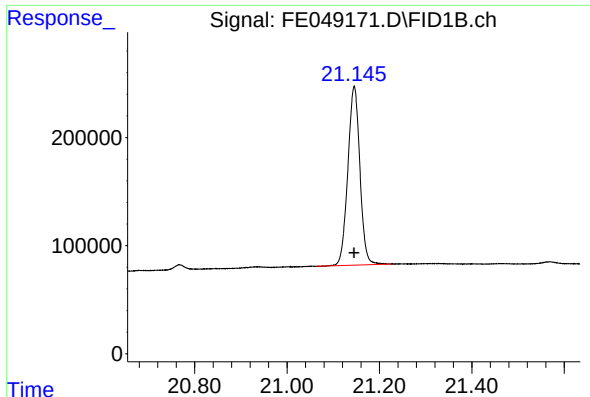
#19 n-Tetratriacontane (C34)

R.T.: 19.673 min  
Delta R.T.: 0.000 min  
Response: 2956434  
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

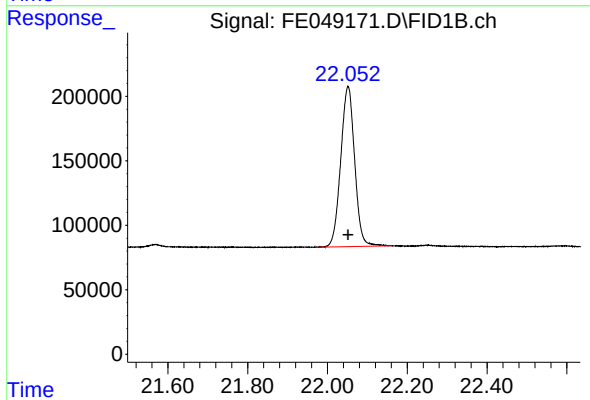
R.T.: 20.412 min  
Delta R.T.: 0.000 min  
Response: 2958319  
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.146 min  
Delta R.T.: 0.000 min  
Response: 2994054  
Conc: 20.00 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 22.052 min  
Delta R.T.: 0.000 min  
Response: 3010921  
Conc: 20.00 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049171.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 12:53  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Title : GC Extractables

Signal : FID1B.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                       | 3.301       | 3.267        | 3.357      | BB       | 314777         | 3059687      | 96.94%         | 4.708%        |
| 2                       | 4.551       | 4.515        | 4.610      | BB       | 319606         | 3114698      | 98.69%         | 4.793%        |
| 3                       | 6.257       | 6.189        | 6.362      | BB       | 313531         | 3156152      | 100.00%        | 4.857%        |
| 4                       | 6.717       | 6.670        | 6.767      | BV       | 311935         | 3088476      | 97.86%         | 4.753%        |
| 5                       | 7.353       | 7.310        | 7.467      | BB       | 279548         | 2963137      | 93.88%         | 4.560%        |
| 6                       | 8.544       | 8.507        | 8.618      | BB       | 287582         | 3041955      | 96.38%         | 4.681%        |
| 7                       | 10.152      | 10.112       | 10.229     | BB       | 282486         | 3068591      | 97.23%         | 4.722%        |
| 8                       | 11.595      | 11.555       | 11.662     | BB       | 274343         | 3064050      | 97.08%         | 4.715%        |
| 9                       | 11.913      | 11.871       | 11.991     | BB       | 288531         | 3130401      | 99.18%         | 4.817%        |
| 10                      | 12.904      | 12.855       | 12.959     | BB       | 252869         | 2913922      | 92.33%         | 4.484%        |
| 11                      | 13.348      | 13.307       | 13.411     | BB       | 204906         | 2366390      | 74.98%         | 3.642%        |
| 12                      | 13.515      | 13.470       | 13.578     | BB       | 241416         | 2858410      | 90.57%         | 4.399%        |
| 13                      | 14.101      | 14.055       | 14.167     | BB       | 231158         | 2835757      | 89.85%         | 4.364%        |
| 14                      | 15.204      | 15.156       | 15.261     | BB       | 224899         | 2820157      | 89.35%         | 4.340%        |
| 15                      | 16.223      | 16.172       | 16.295     | BB       | 212744         | 2825697      | 89.53%         | 4.348%        |
| 16                      | 17.171      | 17.122       | 17.247     | BB       | 204087         | 2822429      | 89.43%         | 4.343%        |
| 17                      | 18.059      | 18.009       | 18.130     | BB       | 217007         | 2957180      | 93.70%         | 4.551%        |
| 18                      | 18.890      | 18.837       | 18.960     | BB       | 211299         | 2976799      | 94.32%         | 4.581%        |
| 19                      | 19.673      | 19.613       | 19.745     | BB       | 207562         | 2956434      | 93.67%         | 4.550%        |
| 20                      | 20.412      | 20.351       | 20.447     | BV       | 201718         | 2958319      | 93.73%         | 4.552%        |
| 21                      | 21.146      | 21.063       | 21.227     | BB       | 165870         | 2994054      | 94.86%         | 4.607%        |
| 22                      | 22.052      | 21.972       | 22.161     | BB       | 124304         | 3010921      | 95.40%         | 4.633%        |
| Sum of corrected areas: |             |              |            |          |                | 64983615     |                |               |

Aliphatic EPH 071724.M Wed Jul 17 15:42:51 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
 Data File : FE049172.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Jul 2024 13:24  
 Operator : YP\AJ  
 Sample : 10 PPM ALIPHATIC HC STD4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 17 13:52:25 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 17 13:52:17 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)    | 11.911 | 1431512    | 9.234 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 18.47%      |
| 12) S 1-chlorooctadecane (S... | 13.346 | 1061590    | 9.022 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 18.04%      |
| Target Compounds               |        |            |             |
| 1) T n-Nonane (C9)             | 3.301  | 1404901    | 9.422 ug/ml |
| 2) T n-Decane (C10)            | 4.550  | 1439349    | 9.351 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.256  | 1422676    | 9.051 ug/ml |
| 4) T n-Dodecane (C12)          | 6.716  | 1431464    | 9.311 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.352  | 1305824    | 8.820 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.543  | 1411339    | 9.359 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.151 | 1395682    | 9.203 ug/ml |
| 8) T n-Octadecane (C18)        | 11.592 | 1401861    | 9.256 ug/ml |
| 10) T n-Eicosane (C20)         | 12.902 | 1337159    | 9.274 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.513 | 1310208    | 9.261 ug/ml |
| 13) T n-Docosane (C22)         | 14.099 | 1295987    | 9.238 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.201 | 1302401    | 9.285 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.221 | 1300665    | 9.303 ug/ml |
| 16) T n-Octacosane (C28)       | 17.170 | 1297222    | 9.318 ug/ml |
| 17) T n-Tricontane (C30)       | 18.058 | 1359579    | 9.426 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.887 | 1372633    | 9.494 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.671 | 1354693    | 9.411 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.410 | 1358122    | 9.346 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.143 | 1386738    | 9.338 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.047 | 1403973    | 9.360 ug/ml |
| -----                          |        |            |             |

(f)=RT Delta > 1/2 Window

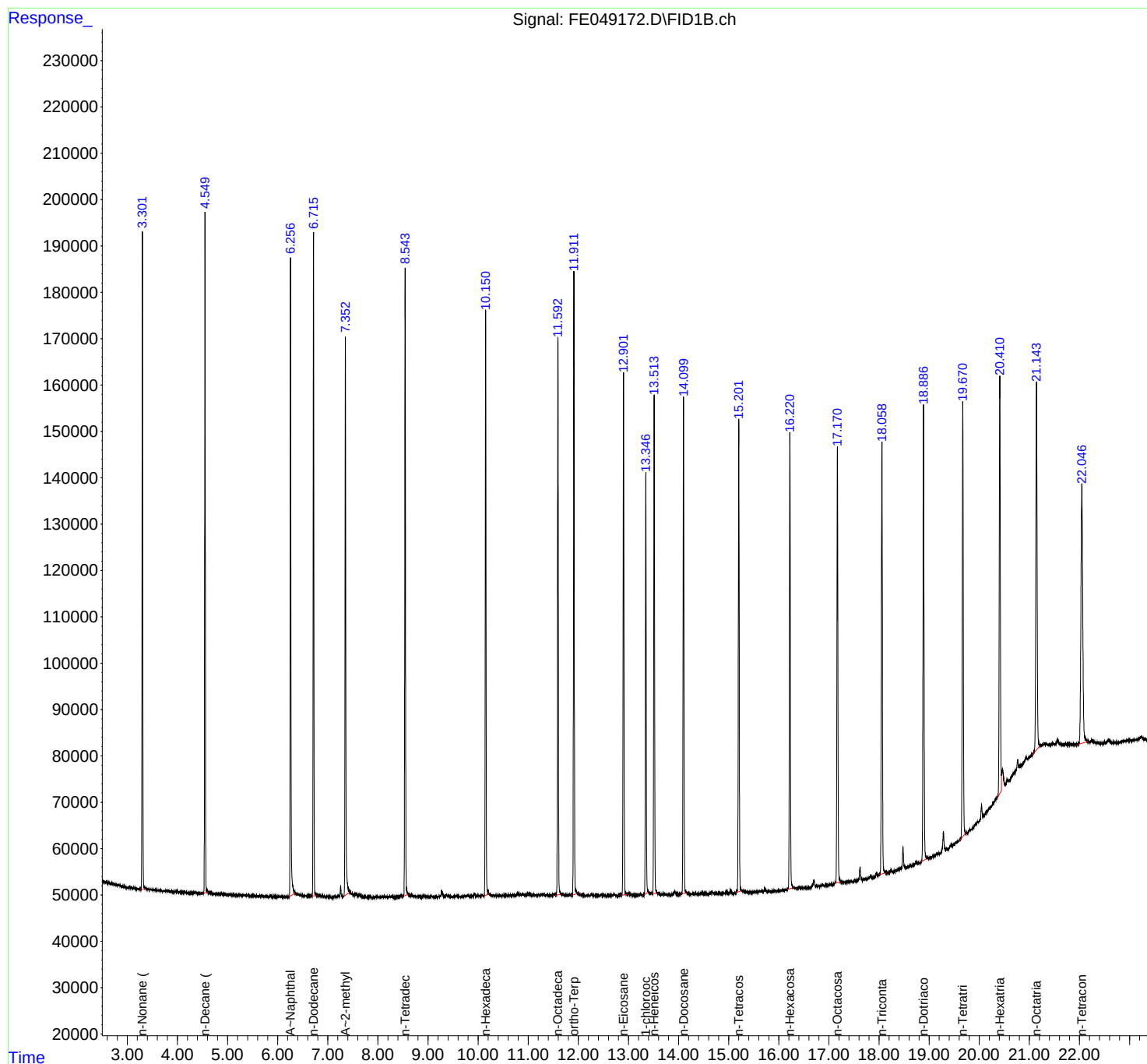
(m)=manual int.

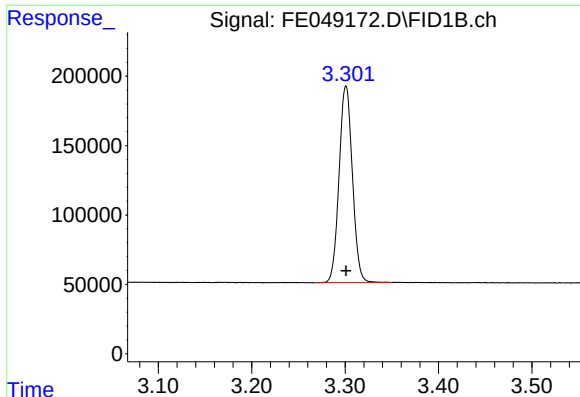
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049172.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 13:24  
Operator : YP\AJ  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jul 17 13:52:25 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 17 13:52:17 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

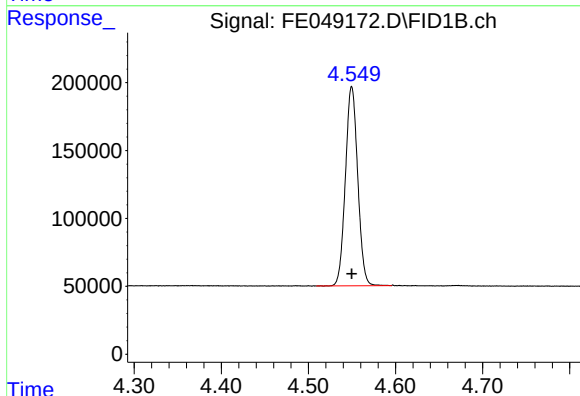




#1 n-Nonane (C9)

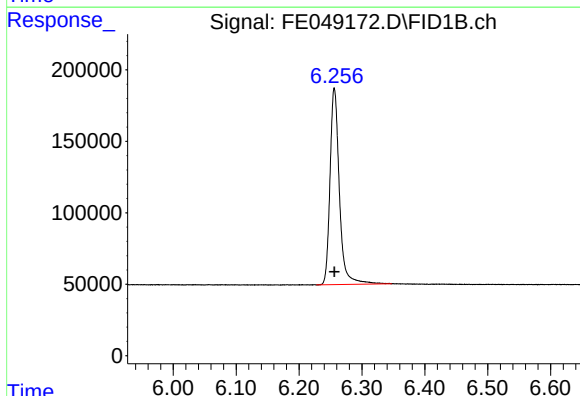
R.T.: 3.301 min  
Delta R.T.: 0.000 min  
Response: 1404901  
Conc: 9.42 ug/ml

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



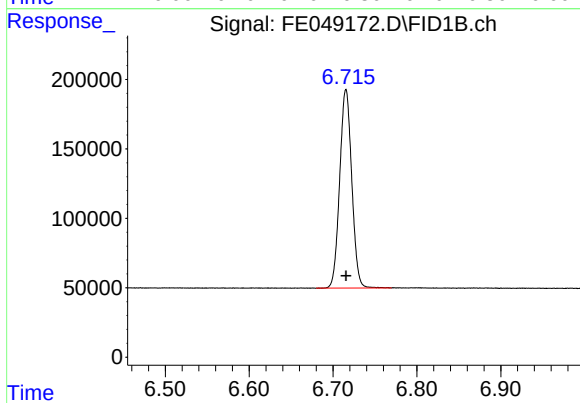
#2 n-Decane (C10)

R.T.: 4.550 min  
Delta R.T.: 0.000 min  
Response: 1439349  
Conc: 9.35 ug/ml



#3 A~Naphthalene (C11.7)

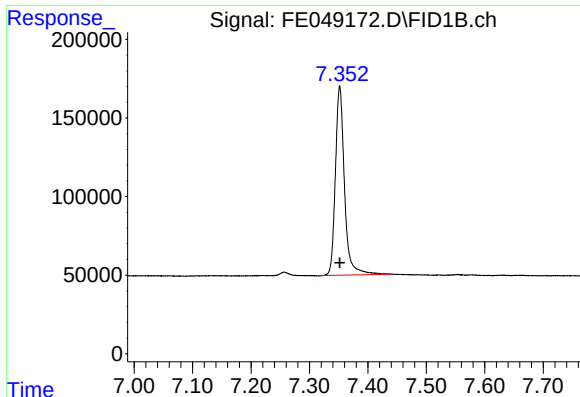
R.T.: 6.256 min  
Delta R.T.: 0.000 min  
Response: 1422676  
Conc: 9.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 1431464  
Conc: 9.31 ug/ml

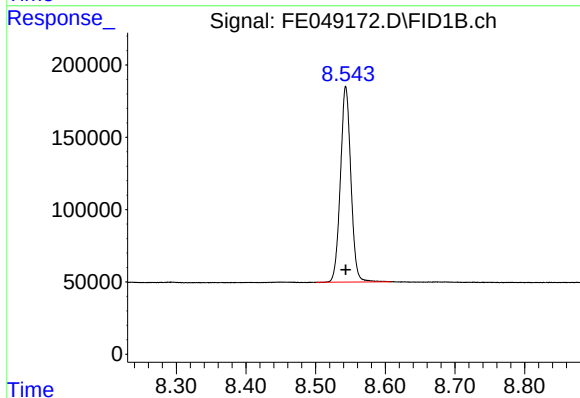




#5 A~2-methylnaphthalene (C12.89)

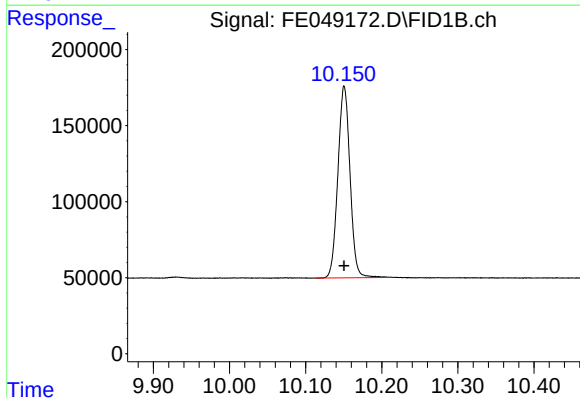
R.T.: 7.352 min  
Delta R.T.: 0.000 min  
Response: 1305824  
Conc: 8.82 ug/ml

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



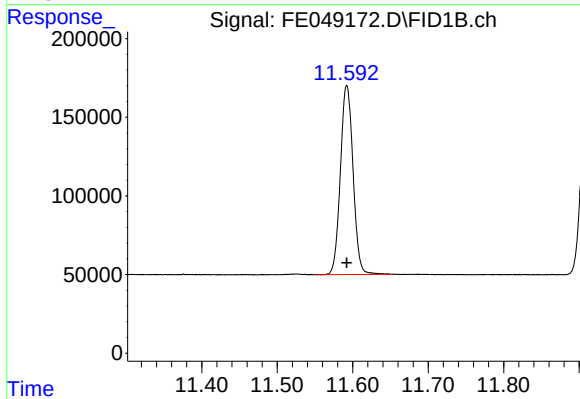
#6 n-Tetradecane (C14)

R.T.: 8.543 min  
Delta R.T.: 0.000 min  
Response: 1411339  
Conc: 9.36 ug/ml



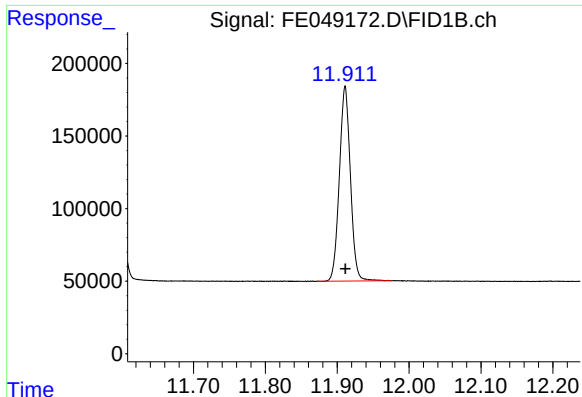
#7 n-Hexadecane (C16)

R.T.: 10.151 min  
Delta R.T.: 0.000 min  
Response: 1395682  
Conc: 9.20 ug/ml



#8 n-Octadecane (C18)

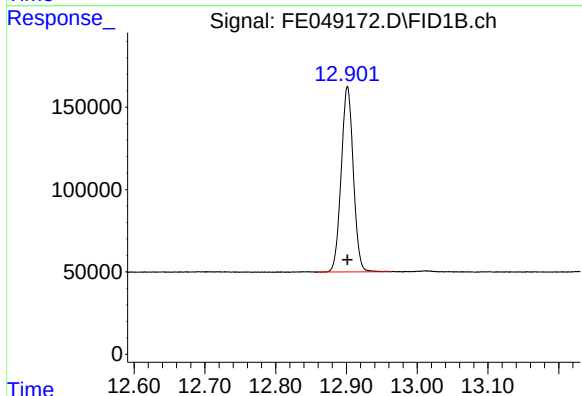
R.T.: 11.592 min  
Delta R.T.: 0.000 min  
Response: 1401861  
Conc: 9.26 ug/ml



#9 ortho-Terphenyl (SURR)

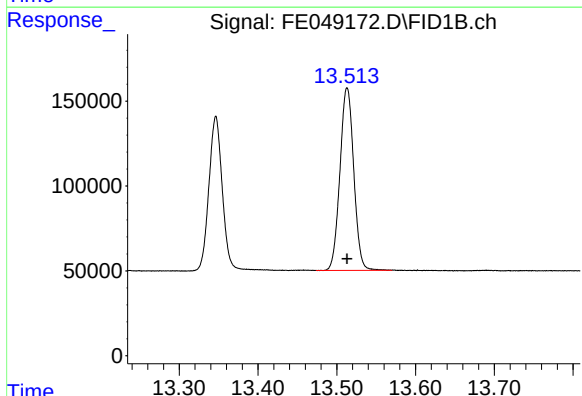
R.T.: 11.911 min  
Delta R.T.: 0.000 min  
Response: 1431512  
Conc: 9.23 ug/ml

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



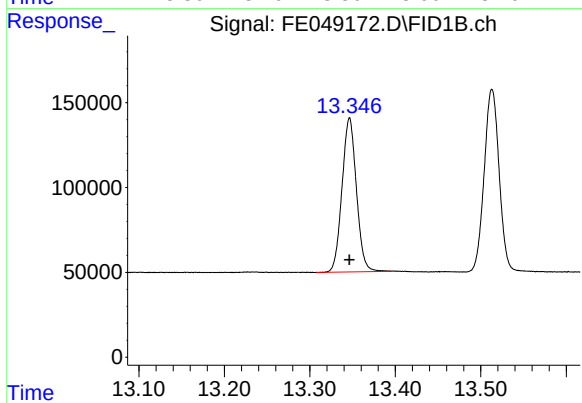
#10 n-Eicosane (C20)

R.T.: 12.902 min  
Delta R.T.: 0.000 min  
Response: 1337159  
Conc: 9.27 ug/ml



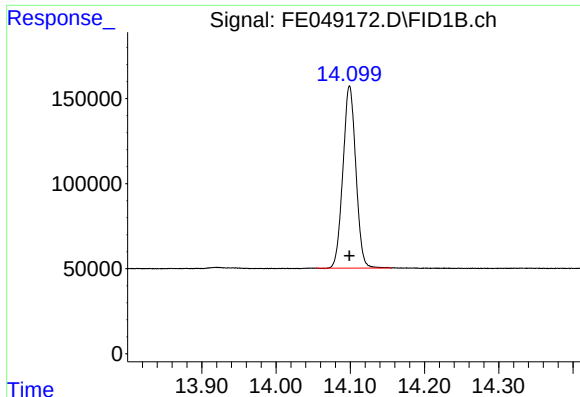
#11 n-Heneicosane (C21)

R.T.: 13.513 min  
Delta R.T.: 0.000 min  
Response: 1310208  
Conc: 9.26 ug/ml



#12 1-chlorooctadecane (SURR)

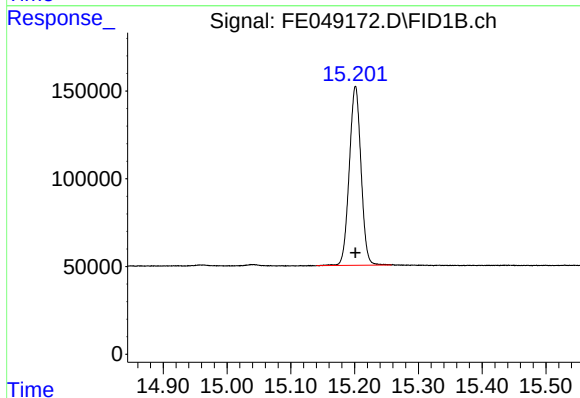
R.T.: 13.346 min  
Delta R.T.: 0.000 min  
Response: 1061590  
Conc: 9.02 ug/ml



#13 n-Docosane (C22)

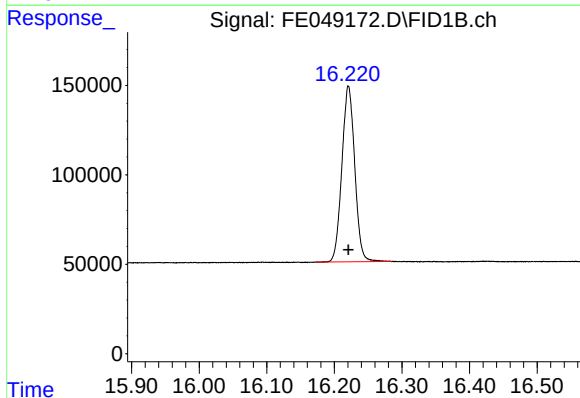
R.T.: 14.099 min  
Delta R.T.: 0.000 min  
Response: 1295987  
Conc: 9.24 ug/ml

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



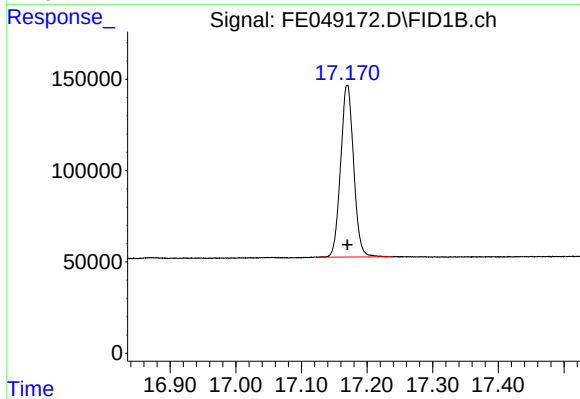
#14 n-Tetracosane (C24)

R.T.: 15.201 min  
Delta R.T.: 0.000 min  
Response: 1302401  
Conc: 9.28 ug/ml



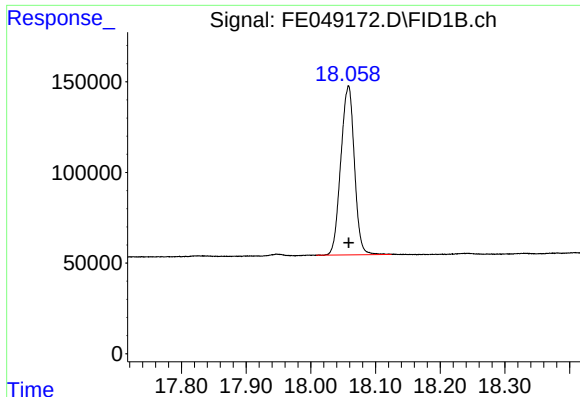
#15 n-Hexacosane (C26)

R.T.: 16.221 min  
Delta R.T.: 0.000 min  
Response: 1300665  
Conc: 9.30 ug/ml



#16 n-Octacosane (C28)

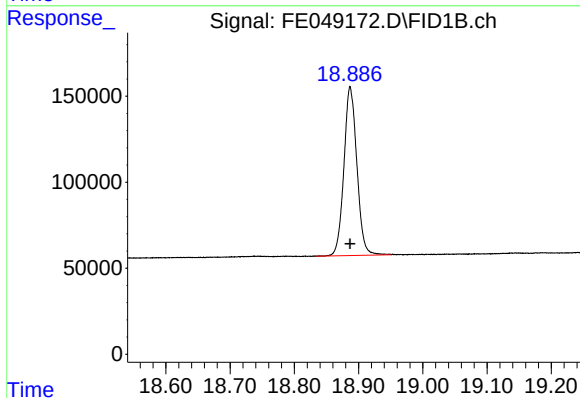
R.T.: 17.170 min  
Delta R.T.: 0.000 min  
Response: 1297222  
Conc: 9.32 ug/ml



#17 n-Tricontane (C30)

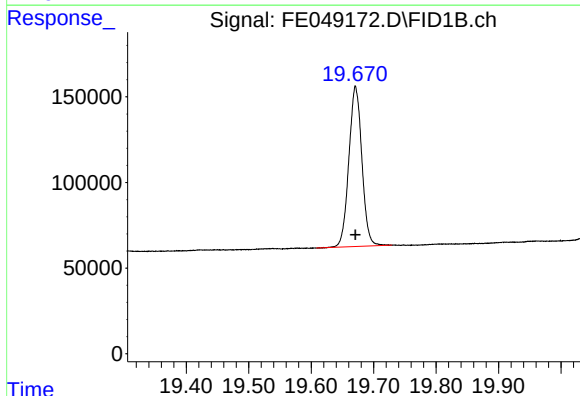
R.T.: 18.058 min  
Delta R.T.: 0.000 min  
Response: 1359579  
Conc: 9.43 ug/ml

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



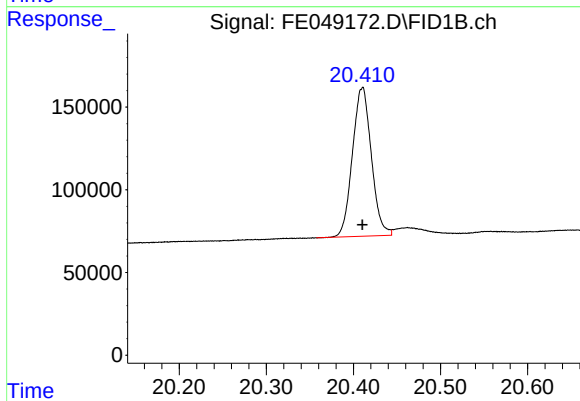
#18 n-Dotriacontane (C32)

R.T.: 18.887 min  
Delta R.T.: 0.000 min  
Response: 1372633  
Conc: 9.49 ug/ml



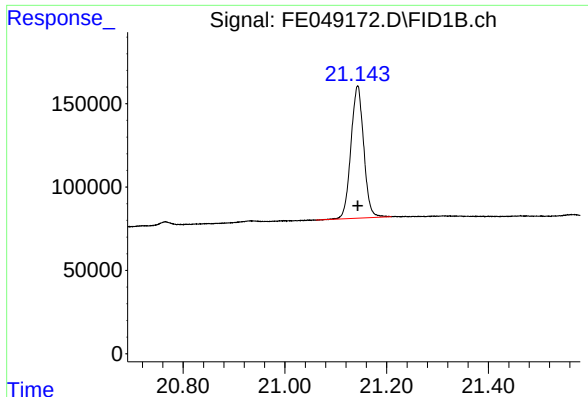
#19 n-Tetratriacontane (C34)

R.T.: 19.671 min  
Delta R.T.: 0.000 min  
Response: 1354693  
Conc: 9.41 ug/ml



#20 n-Hexatriacontane (C36)

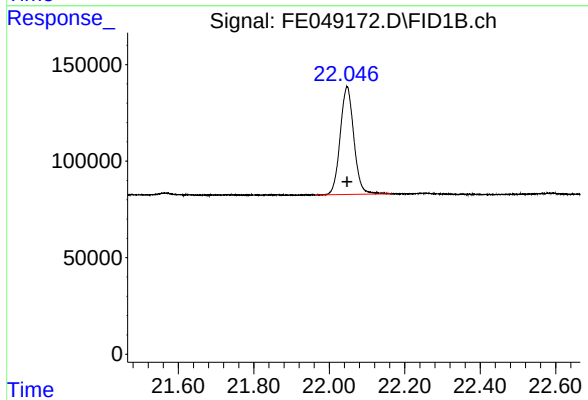
R.T.: 20.410 min  
Delta R.T.: 0.000 min  
Response: 1358122  
Conc: 9.35 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.143 min  
Delta R.T.: 0.000 min  
Response: 1386738  
Conc: 9.34 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 22.047 min  
Delta R.T.: 0.000 min  
Response: 1403973  
Conc: 9.36 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049172.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 13:24  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Title : GC Extractables

Signal : FID1B.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                       | 3.301       | 3.269        | 3.350      | BB       | 141761         | 1404901      | 97.61%         | 4.717%        |
| 2                       | 4.550       | 4.509        | 4.596      | BV       | 146790         | 1439349      | 100.00%        | 4.832%        |
| 3                       | 6.256       | 6.227        | 6.347      | BB       | 137488         | 1422676      | 98.84%         | 4.776%        |
| 4                       | 6.716       | 6.680        | 6.770      | BB       | 143063         | 1431464      | 99.45%         | 4.806%        |
| 5                       | 7.352       | 7.311        | 7.441      | BB       | 120315         | 1305824      | 90.72%         | 4.384%        |
| 6                       | 8.543       | 8.501        | 8.609      | BB       | 135429         | 1411339      | 98.05%         | 4.738%        |
| 7                       | 10.151      | 10.114       | 10.213     | BB       | 126177         | 1395682      | 96.97%         | 4.686%        |
| 8                       | 11.592      | 11.551       | 11.651     | BB       | 120236         | 1401861      | 97.40%         | 4.707%        |
| 9                       | 11.911      | 11.871       | 11.976     | BB       | 134612         | 1431512      | 99.46%         | 4.806%        |
| 10                      | 12.902      | 12.857       | 12.964     | BB       | 112581         | 1337159      | 92.90%         | 4.489%        |
| 11                      | 13.346      | 13.307       | 13.396     | BB       | 90931          | 1061590      | 73.75%         | 3.564%        |
| 12                      | 13.513      | 13.474       | 13.570     | BB       | 107575         | 1310208      | 91.03%         | 4.399%        |
| 13                      | 14.099      | 14.054       | 14.156     | BB       | 107125         | 1295987      | 90.04%         | 4.351%        |
| 14                      | 15.201      | 15.140       | 15.258     | BB       | 102012         | 1302401      | 90.49%         | 4.373%        |
| 15                      | 16.221      | 16.173       | 16.285     | BB       | 98300          | 1300665      | 90.36%         | 4.367%        |
| 16                      | 17.170      | 17.122       | 17.237     | BB       | 93840          | 1297222      | 90.13%         | 4.355%        |
| 17                      | 18.058      | 18.008       | 18.125     | BB       | 93244          | 1359579      | 94.46%         | 4.565%        |
| 18                      | 18.887      | 18.834       | 18.951     | BB       | 98332          | 1372633      | 95.36%         | 4.608%        |
| 19                      | 19.671      | 19.608       | 19.729     | BB       | 93889          | 1354693      | 94.12%         | 4.548%        |
| 20                      | 20.410      | 20.357       | 20.444     | BV       | 90038          | 1358122      | 94.36%         | 4.560%        |
| 21                      | 21.143      | 21.061       | 21.210     | BB       | 79405          | 1386738      | 96.34%         | 4.656%        |
| 22                      | 22.047      | 21.965       | 22.165     | BB       | 55951          | 1403973      | 97.54%         | 4.714%        |
| Sum of corrected areas: |             |              |            |          |                | 29785579     |                |               |

Aliphatic EPH 071724.M Wed Jul 17 15:43:27 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
 Data File : FE049173.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Jul 2024 13:54  
 Operator : YP\AJ  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 17 14:25:46 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 17 14:25:37 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)    | 11.911 | 777072     | 5.010 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 10.02%      |
| 12) S 1-chlorooctadecane (S... | 13.346 | 567480     | 4.857 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 9.71%       |
| Target Compounds               |        |            |             |
| 1) T n-Nonane (C9)             | 3.301  | 777526     | 5.170 ug/ml |
| 2) T n-Decane (C10)            | 4.550  | 782761     | 5.068 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.257  | 751566     | 4.824 ug/ml |
| 4) T n-Dodecane (C12)          | 6.715  | 774772     | 5.032 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.352  | 677200     | 4.653 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.543  | 778442     | 5.129 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.150 | 758399     | 5.001 ug/ml |
| 8) T n-Octadecane (C18)        | 11.593 | 766549     | 5.049 ug/ml |
| 10) T n-Eicosane (C20)         | 12.901 | 731533     | 5.059 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.513 | 715613     | 5.046 ug/ml |
| 13) T n-Docosane (C22)         | 14.099 | 706536     | 5.029 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.200 | 698350     | 4.983 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.221 | 709262     | 5.058 ug/ml |
| 16) T n-Octacosane (C28)       | 17.170 | 714774     | 5.107 ug/ml |
| 17) T n-Tricontane (C30)       | 18.057 | 762158     | 5.225 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.888 | 784253     | 5.334 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.671 | 772668     | 5.290 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.410 | 697724     | 4.840 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.142 | 772011     | 5.157 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.047 | 772818     | 5.121 ug/ml |
| -----                          |        |            |             |

(f)=RT Delta > 1/2 Window

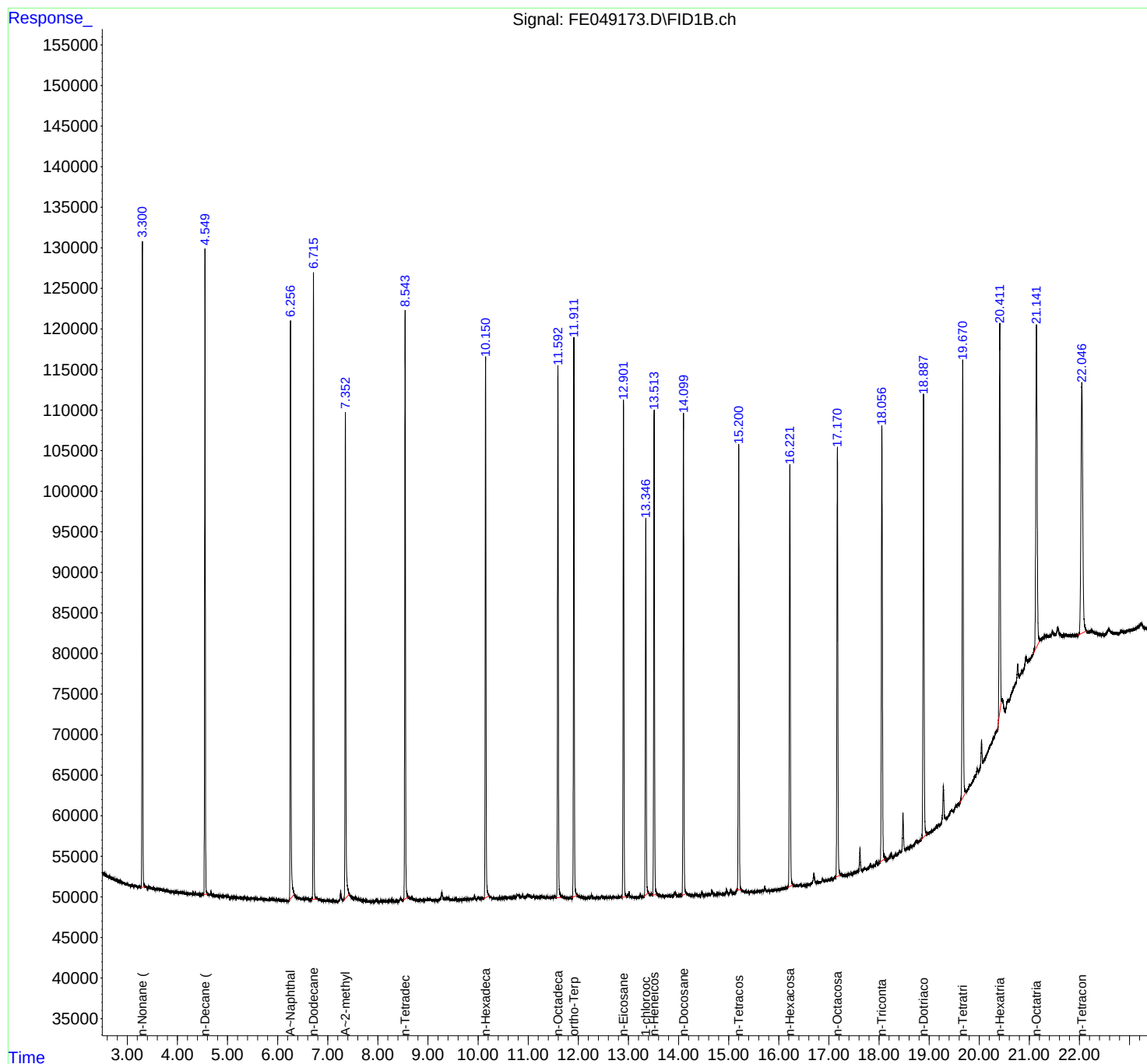
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049173.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 13:54  
Operator : YP\AJ  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

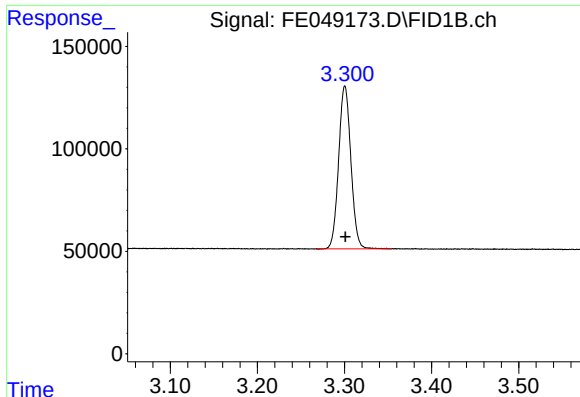
Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
Quant Time: Jul 17 14:25:46 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 17 14:25:37 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



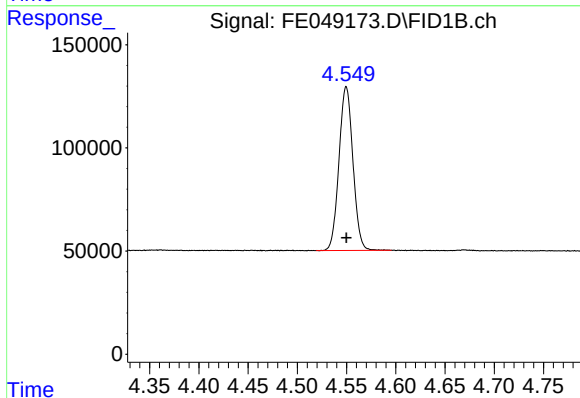




#1 n-Nonane (C9)

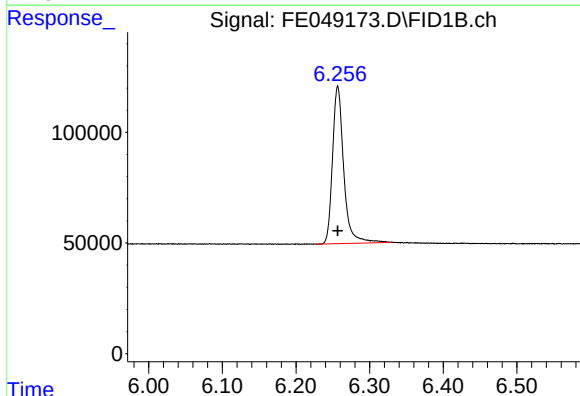
R.T.: 3.301 min  
Delta R.T.: 0.000 min  
Response: 777526  
Conc: 5.17 ug/ml

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



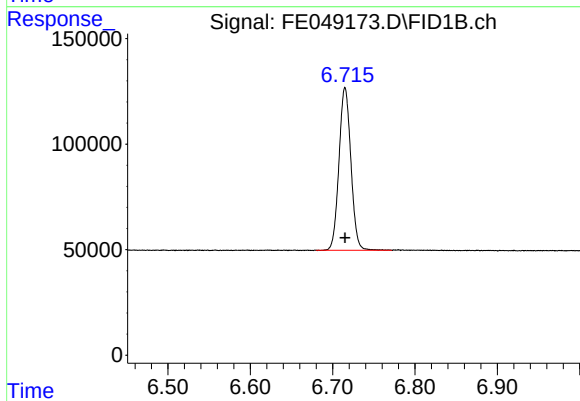
#2 n-Decane (C10)

R.T.: 4.550 min  
Delta R.T.: 0.000 min  
Response: 782761  
Conc: 5.07 ug/ml



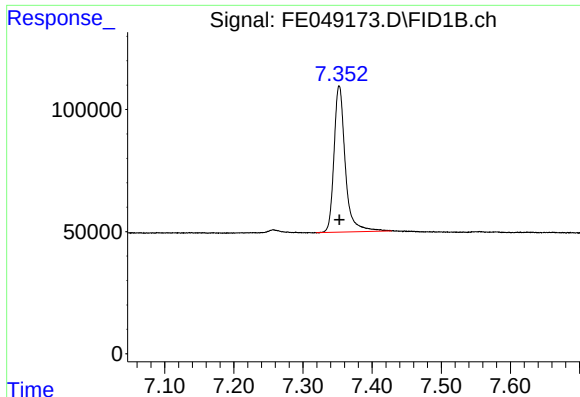
#3 A~Naphthalene (C11.7)

R.T.: 6.257 min  
Delta R.T.: 0.000 min  
Response: 751566  
Conc: 4.82 ug/ml



#4 n-Dodecane (C12)

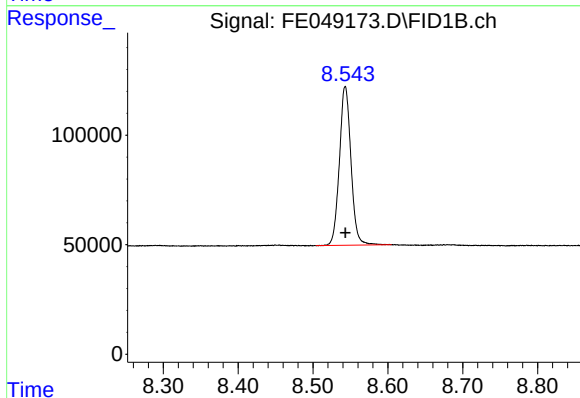
R.T.: 6.715 min  
Delta R.T.: 0.000 min  
Response: 774772  
Conc: 5.03 ug/ml



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

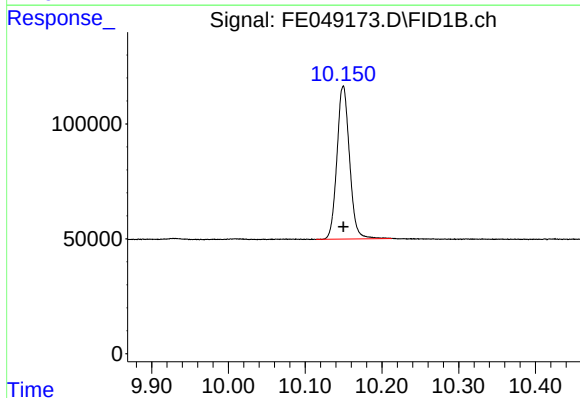
R.T.: 7.352 min  
Delta R.T.: 0.000 min  
Response: 677200  
Conc: 4.65 ug/ml

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



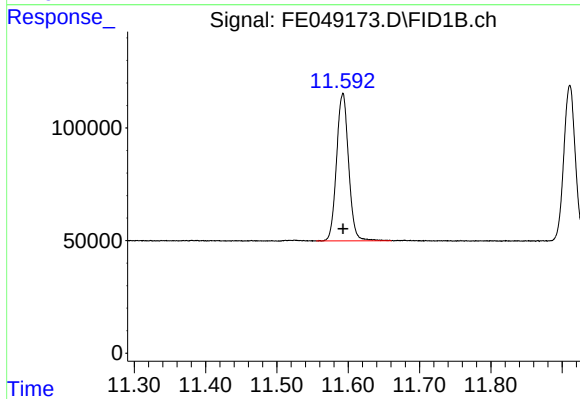
#6 n-Tetradecane (C14)

R.T.: 8.543 min  
Delta R.T.: 0.000 min  
Response: 778442  
Conc: 5.13 ug/ml



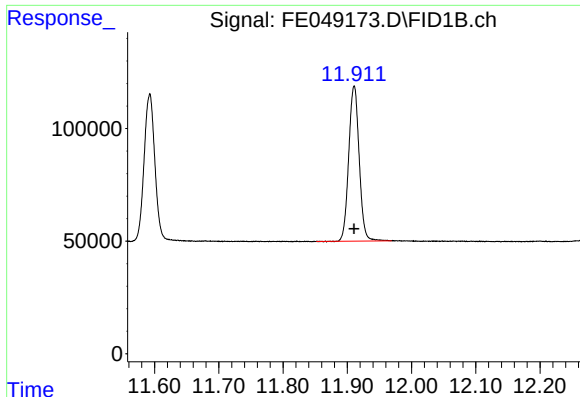
#7 n-Hexadecane (C16)

R.T.: 10.150 min  
Delta R.T.: 0.000 min  
Response: 758399  
Conc: 5.00 ug/ml



#8 n-Octadecane (C18)

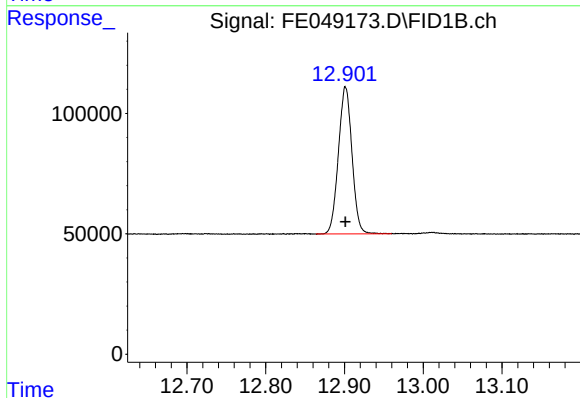
R.T.: 11.593 min  
Delta R.T.: 0.000 min  
Response: 766549  
Conc: 5.05 ug/ml



#9 ortho-Terphenyl (SURR)

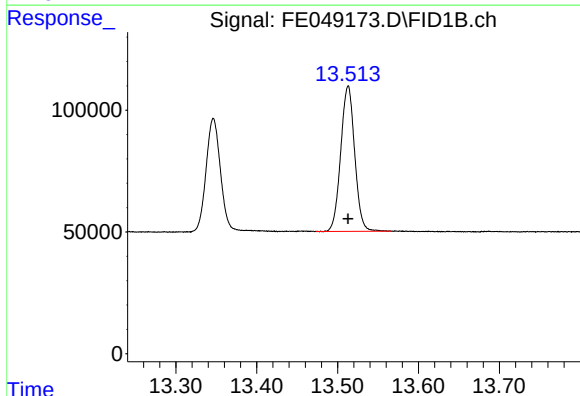
R.T.: 11.911 min  
Delta R.T.: 0.000 min  
Response: 777072  
Conc: 5.01 ug/ml

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



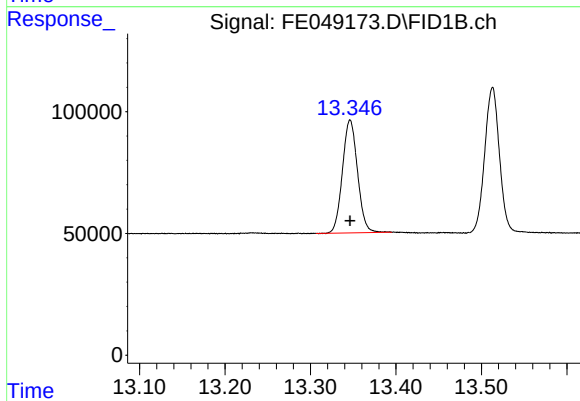
#10 n-Eicosane (C20)

R.T.: 12.901 min  
Delta R.T.: 0.000 min  
Response: 731533  
Conc: 5.06 ug/ml



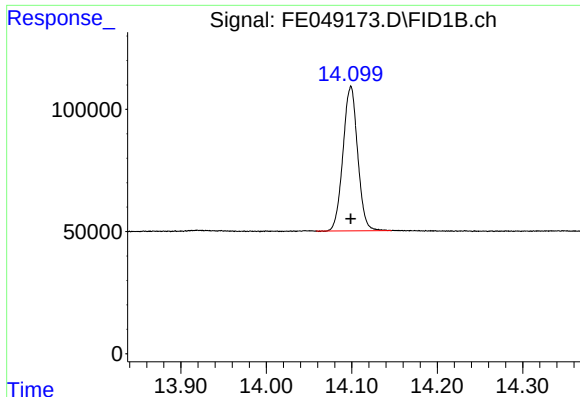
#11 n-Heneicosane (C21)

R.T.: 13.513 min  
Delta R.T.: 0.000 min  
Response: 715613  
Conc: 5.05 ug/ml



#12 1-chlorooctadecane (SURR)

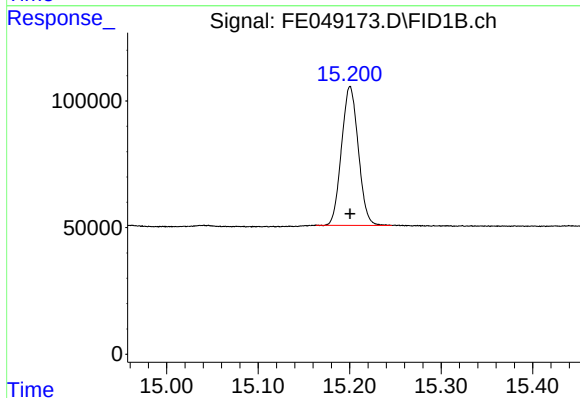
R.T.: 13.346 min  
Delta R.T.: 0.000 min  
Response: 567480  
Conc: 4.86 ug/ml



#13 n-Docosane (C22)

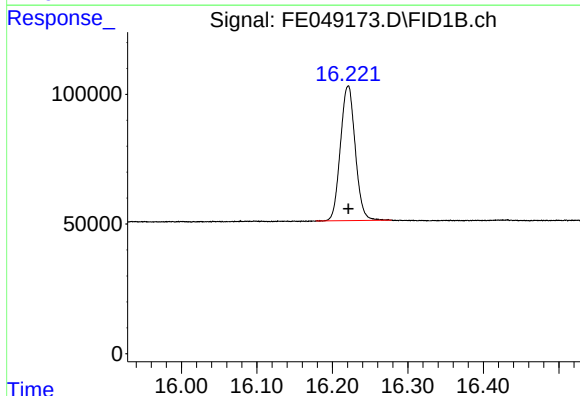
R.T.: 14.099 min  
Delta R.T.: 0.000 min  
Response: 706536  
Conc: 5.03 ug/ml

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



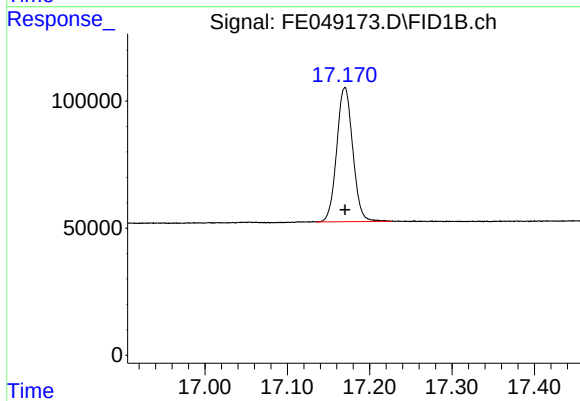
#14 n-Tetracosane (C24)

R.T.: 15.200 min  
Delta R.T.: 0.000 min  
Response: 698350  
Conc: 4.98 ug/ml



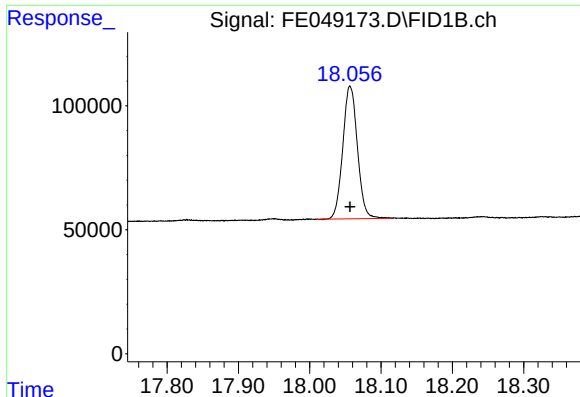
#15 n-Hexacosane (C26)

R.T.: 16.221 min  
Delta R.T.: 0.000 min  
Response: 709262  
Conc: 5.06 ug/ml



#16 n-Octacosane (C28)

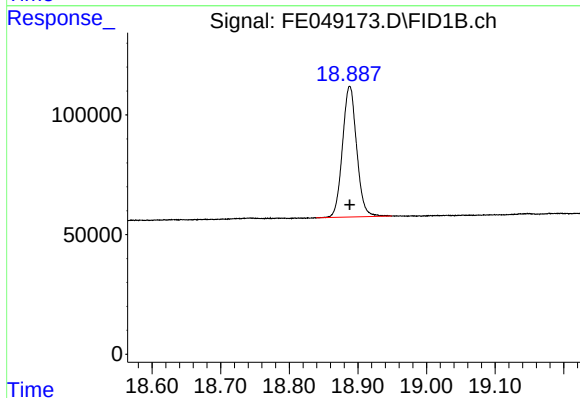
R.T.: 17.170 min  
Delta R.T.: 0.000 min  
Response: 714774  
Conc: 5.11 ug/ml



#17 n-Tricontane (C30)

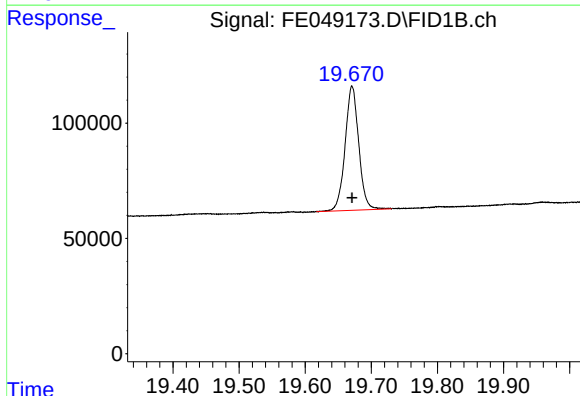
R.T.: 18.057 min  
Delta R.T.: 0.000 min  
Response: 762158  
Conc: 5.22 ug/ml

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



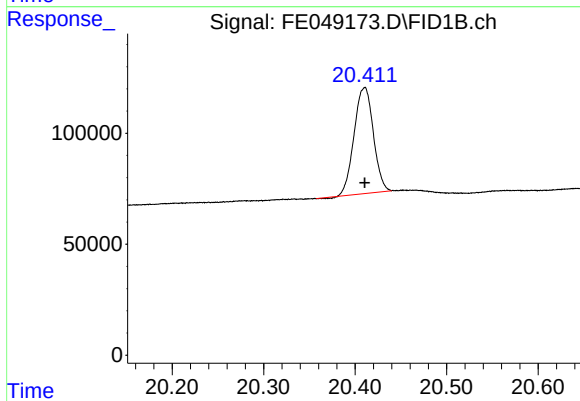
#18 n-Dotriacontane (C32)

R.T.: 18.888 min  
Delta R.T.: 0.000 min  
Response: 784253  
Conc: 5.33 ug/ml



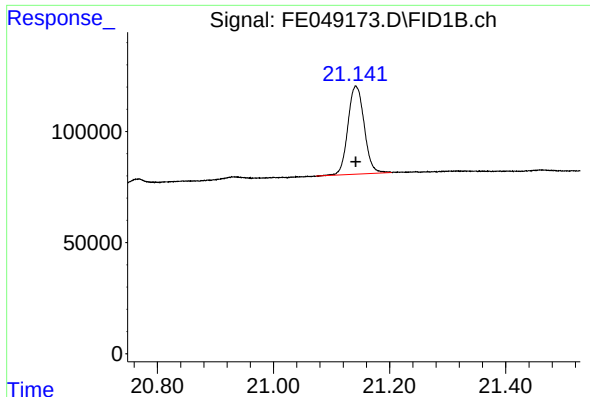
#19 n-Tetratriacontane (C34)

R.T.: 19.671 min  
Delta R.T.: 0.000 min  
Response: 772668  
Conc: 5.29 ug/ml



#20 n-Hexatriacontane (C36)

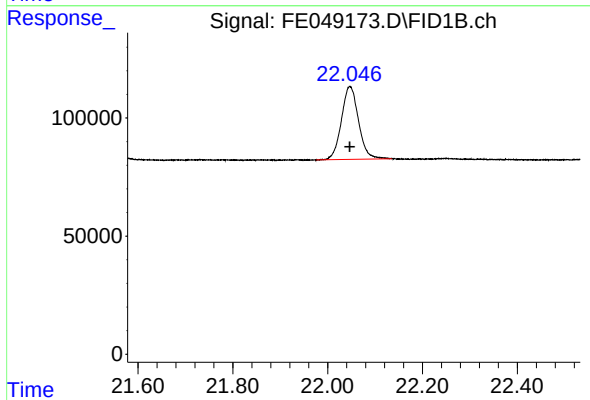
R.T.: 20.410 min  
Delta R.T.: 0.000 min  
Response: 697724  
Conc: 4.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.142 min  
Delta R.T.: 0.000 min  
Response: 772011  
Conc: 5.16 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 22.047 min  
Delta R.T.: 0.000 min  
Response: 772818  
Conc: 5.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049173.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 13:54  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Title : GC Extractables

Signal : FID1B.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                       | 3.301       | 3.267        | 3.354      | BB       | 79587          | 777526       | 99.14%         | 4.785%        |
| 2                       | 4.550       | 4.519        | 4.596      | BB       | 79535          | 782761       | 99.81%         | 4.817%        |
| 3                       | 6.257       | 6.227        | 6.330      | BB       | 71197          | 751566       | 95.83%         | 4.625%        |
| 4                       | 6.715       | 6.680        | 6.772      | BB       | 77179          | 774772       | 98.79%         | 4.768%        |
| 5                       | 7.352       | 7.319        | 7.428      | BB       | 59883          | 677200       | 86.35%         | 4.168%        |
| 6                       | 8.543       | 8.504        | 8.605      | BB       | 72579          | 778442       | 99.26%         | 4.791%        |
| 7                       | 10.150      | 10.114       | 10.212     | BB       | 66680          | 758399       | 96.70%         | 4.667%        |
| 8                       | 11.593      | 11.555       | 11.661     | BB       | 65519          | 766549       | 97.74%         | 4.717%        |
| 9                       | 11.911      | 11.852       | 11.969     | BB       | 68922          | 777072       | 99.08%         | 4.782%        |
| 10                      | 12.901      | 12.864       | 12.960     | BB       | 61236          | 731533       | 93.28%         | 4.502%        |
| 11                      | 13.346      | 13.307       | 13.395     | BB       | 46382          | 567480       | 72.36%         | 3.492%        |
| 12                      | 13.513      | 13.473       | 13.567     | BB       | 59814          | 715613       | 91.25%         | 4.404%        |
| 13                      | 14.099      | 14.058       | 14.147     | BB       | 59242          | 706536       | 90.09%         | 4.348%        |
| 14                      | 15.200      | 15.163       | 15.246     | BB       | 54894          | 698350       | 89.05%         | 4.298%        |
| 15                      | 16.221      | 16.178       | 16.278     | BB       | 51901          | 709262       | 90.44%         | 4.365%        |
| 16                      | 17.170      | 17.135       | 17.227     | BB       | 52863          | 714774       | 91.14%         | 4.399%        |
| 17                      | 18.057      | 18.009       | 18.115     | BB       | 53583          | 762158       | 97.18%         | 4.690%        |
| 18                      | 18.888      | 18.839       | 18.949     | BB       | 54584          | 784253       | 100.00%        | 4.826%        |
| 19                      | 19.671      | 19.617       | 19.731     | BB       | 53840          | 772668       | 98.52%         | 4.755%        |
| 20                      | 20.410      | 20.357       | 20.440     | BB       | 47769          | 697724       | 88.97%         | 4.294%        |
| 21                      | 21.142      | 21.073       | 21.203     | BB       | 39736          | 772011       | 98.44%         | 4.751%        |
| 22                      | 22.047      | 21.976       | 22.135     | BB       | 30810          | 772818       | 98.54%         | 4.756%        |
| Sum of corrected areas: |             |              |            |          |                | 16249465     |                |               |

Aliphatic EPH 071724.M Wed Jul 17 15:43:55 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
 Data File : FE049174.D  
 Signal(s) : FID1B.ch  
 Acq On : 17 Jul 2024 14:25  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD ICV  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jul 17 15:36:01 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 17 14:26:40 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)    | 11.913 | 3108591    | 20.042 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.08%       |
| 12) S 1-chlorooctadecane (S... | 13.347 | 2350263    | 20.116 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.23%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.301  | 3080366    | 20.483 ug/ml |
| 2) T n-Decane (C10)            | 4.550  | 3123229    | 20.221 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.256  | 3149294    | 20.213 ug/ml |
| 4) T n-Dodecane (C12)          | 6.717  | 3089715    | 20.066 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.353  | 2947271    | 20.252 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.544  | 3017432    | 19.881 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.151 | 3044748    | 20.077 ug/ml |
| 8) T n-Octadecane (C18)        | 11.594 | 3039278    | 20.017 ug/ml |
| 10) T n-Eicosane (C20)         | 12.903 | 2892447    | 20.002 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.514 | 2835997    | 19.999 ug/ml |
| 13) T n-Docosane (C22)         | 14.099 | 2813745    | 20.028 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.202 | 2830265    | 20.194 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.222 | 2827366    | 20.164 ug/ml |
| 16) T n-Octacosane (C28)       | 17.172 | 2865191    | 20.470 ug/ml |
| 17) T n-Tricontane (C30)       | 18.058 | 3072452    | 21.063 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.889 | 3150837    | 21.429 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.673 | 3093085    | 21.175 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.411 | 3068131    | 21.283 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.145 | 3047867    | 20.361 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.050 | 3033791    | 20.104 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

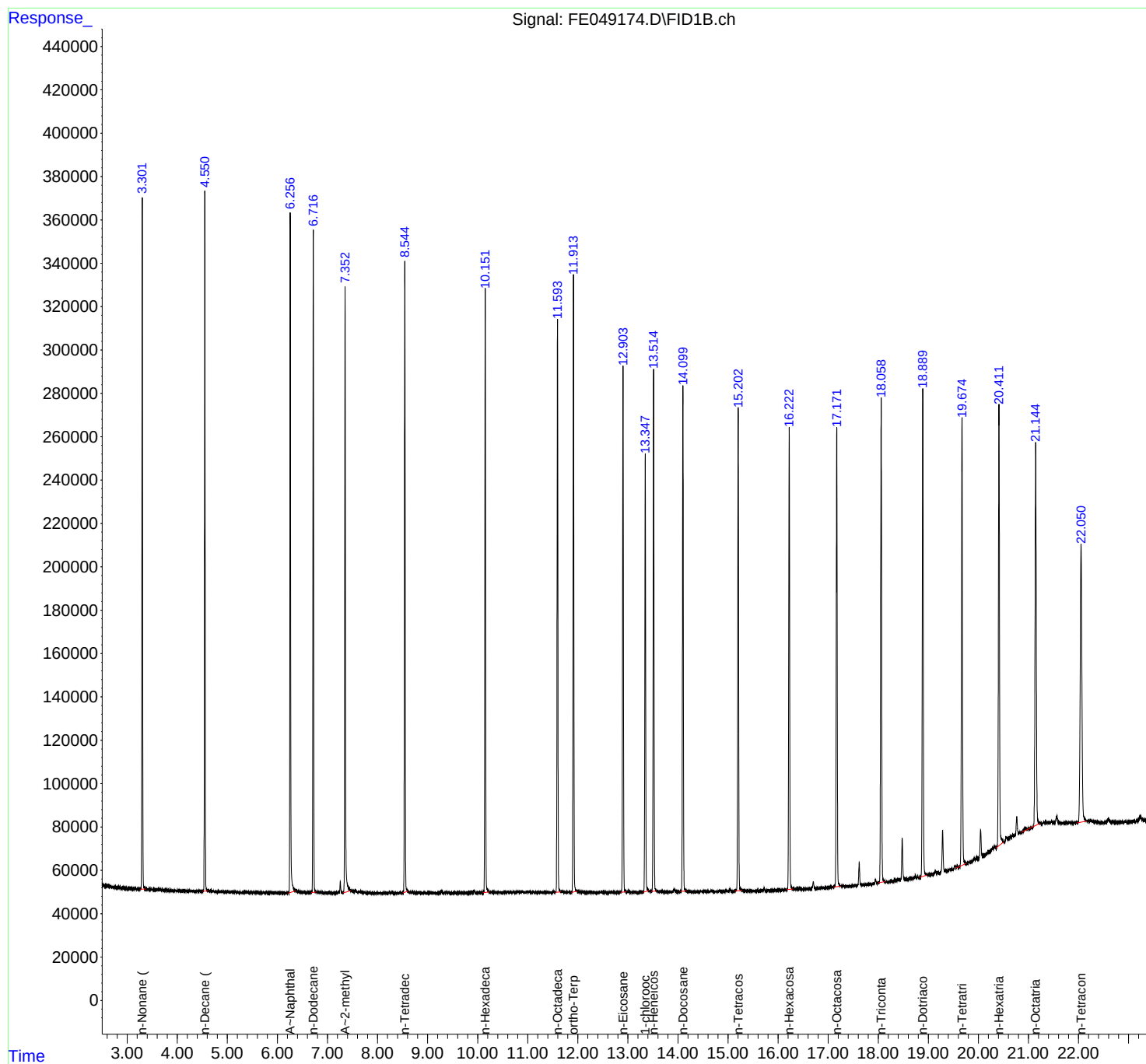


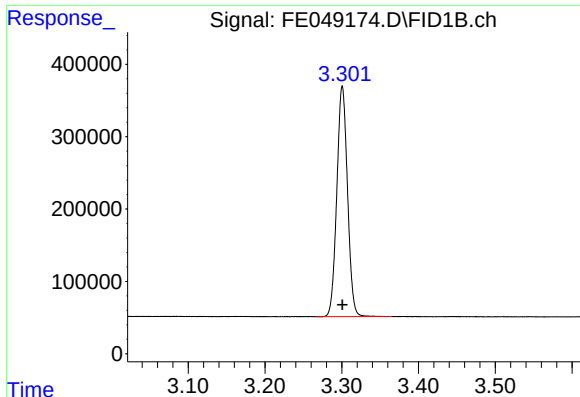
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049174.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 14:25  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jul 17 15:36:01 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 17 14:26:40 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

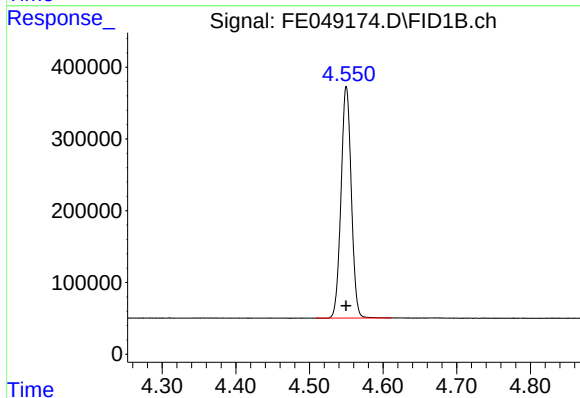




#1 n-Nonane (C9)

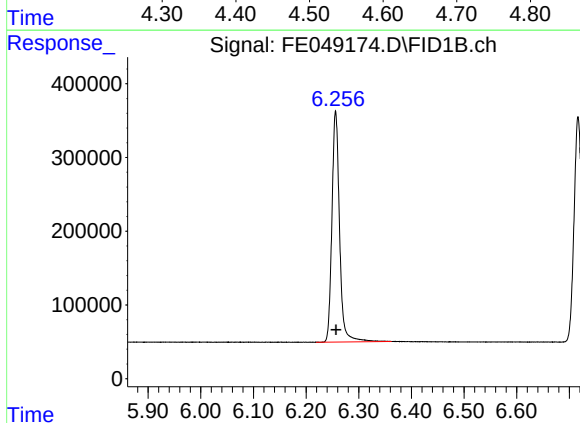
R.T.: 3.301 min  
Delta R.T.: 0.000 min  
Response: 3080366  
Conc: 20.48 ug/ml

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



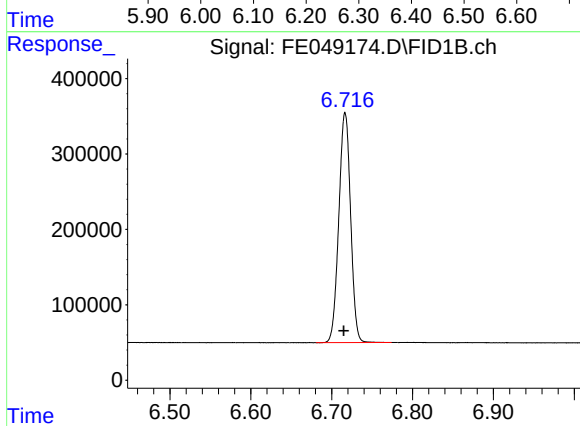
#2 n-Decane (C10)

R.T.: 4.550 min  
Delta R.T.: 0.000 min  
Response: 3123229  
Conc: 20.22 ug/ml



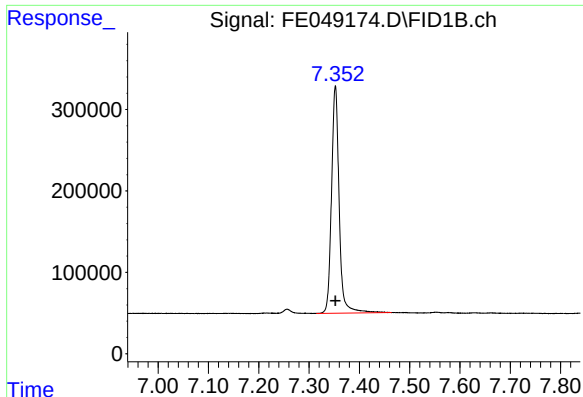
#3 A~Naphthalene (C11.7)

R.T.: 6.256 min  
Delta R.T.: 0.000 min  
Response: 3149294  
Conc: 20.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.717 min  
Delta R.T.: 0.002 min  
Response: 3089715  
Conc: 20.07 ug/ml



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

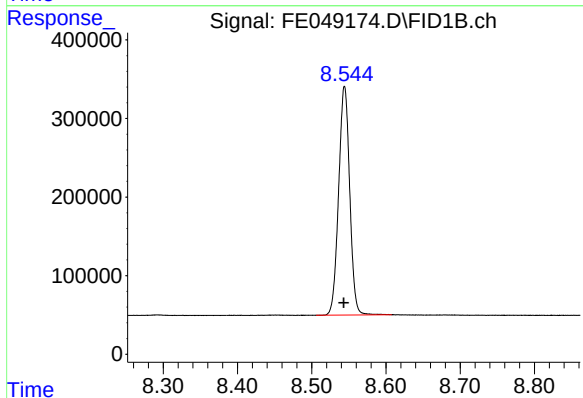
R.T.: 7.353 min  
Delta R.T.: 0.000 min  
Response: 2947271  
Conc: 20.25 ug/ml

Instrument :

FID\_E

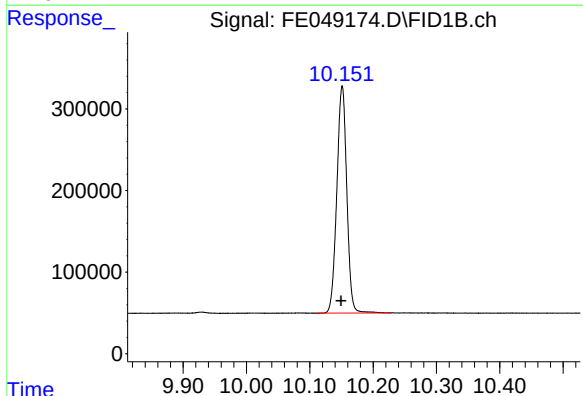
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



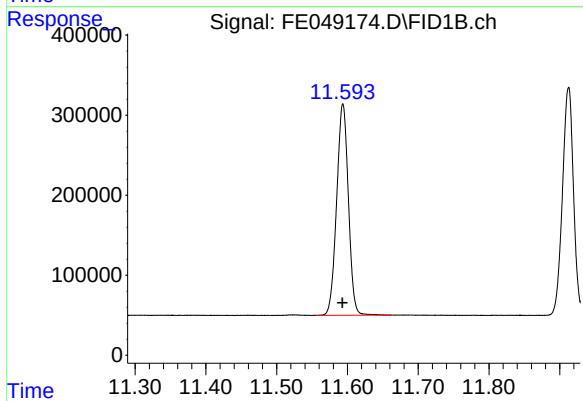
#6 n-Tetradecane (C14)

R.T.: 8.544 min  
Delta R.T.: 0.001 min  
Response: 3017432  
Conc: 19.88 ug/ml



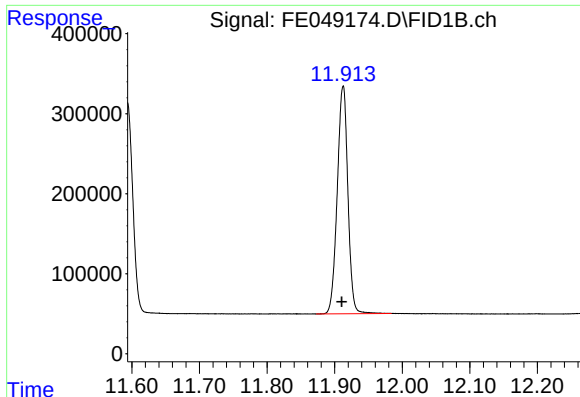
#7 n-Hexadecane (C16)

R.T.: 10.151 min  
Delta R.T.: 0.002 min  
Response: 3044748  
Conc: 20.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.594 min  
Delta R.T.: 0.000 min  
Response: 3039278  
Conc: 20.02 ug/ml



#9 ortho-Terphenyl (SURR)

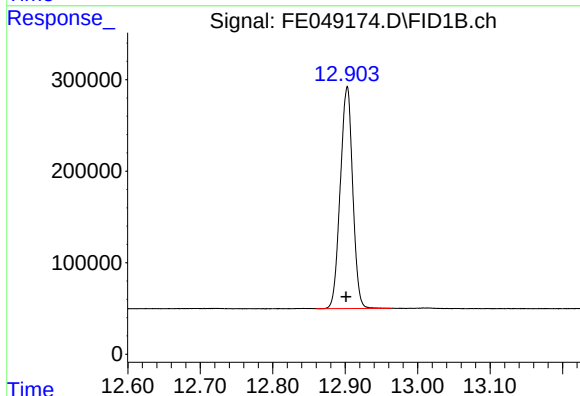
R.T.: 11.913 min  
Delta R.T.: 0.002 min  
Response: 3108591  
Conc: 20.04 ug/ml

Instrument :

FID\_E

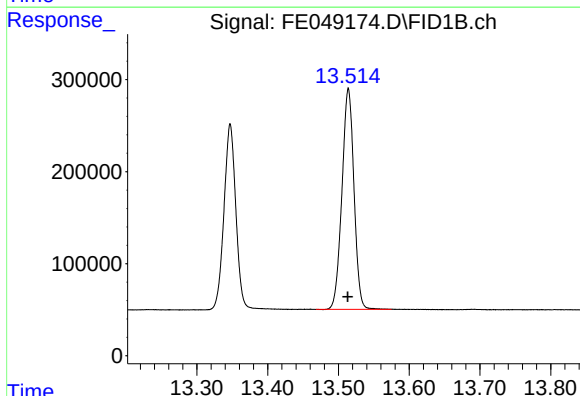
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



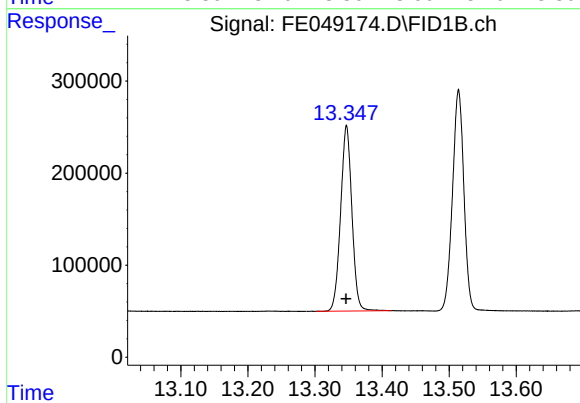
#10 n-Eicosane (C20)

R.T.: 12.903 min  
Delta R.T.: 0.002 min  
Response: 2892447  
Conc: 20.00 ug/ml



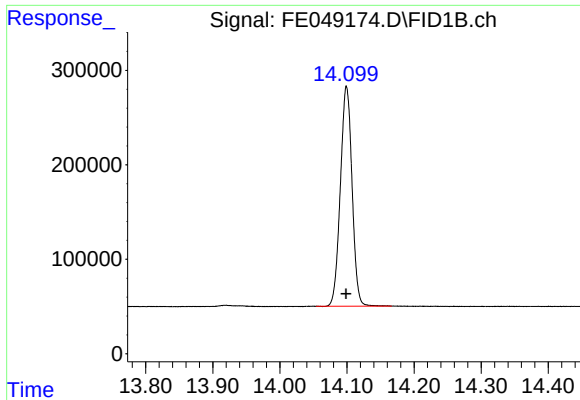
#11 n-Heneicosane (C21)

R.T.: 13.514 min  
Delta R.T.: 0.000 min  
Response: 2835997  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

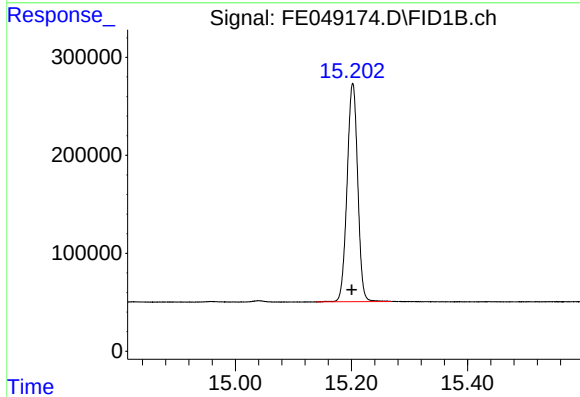
R.T.: 13.347 min  
Delta R.T.: 0.000 min  
Response: 2350263  
Conc: 20.12 ug/ml



#13 n-Docosane (C22)

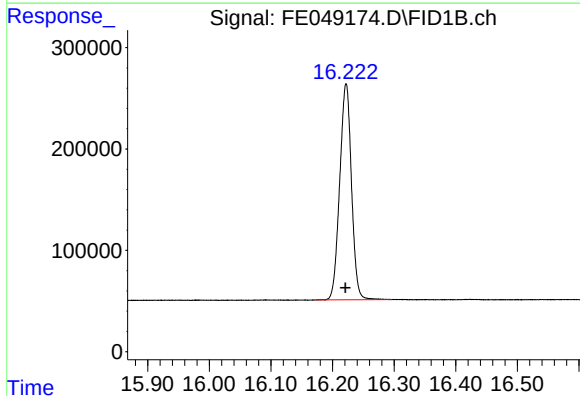
R.T.: 14.099 min  
Delta R.T.: 0.000 min  
Response: 2813745  
Conc: 20.03 ug/ml

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



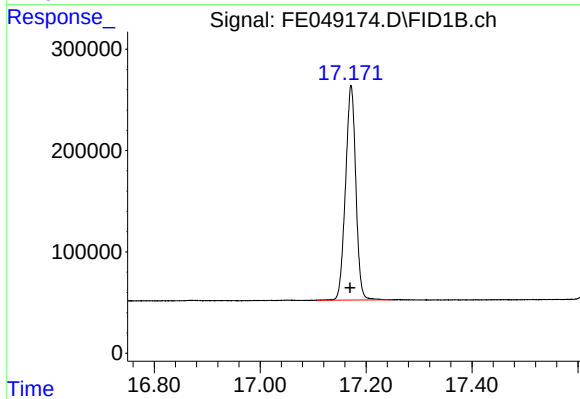
#14 n-Tetracosane (C24)

R.T.: 15.202 min  
Delta R.T.: 0.002 min  
Response: 2830265  
Conc: 20.19 ug/ml



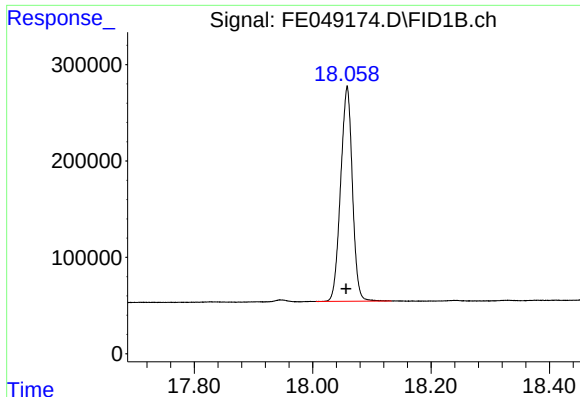
#15 n-Hexacosane (C26)

R.T.: 16.222 min  
Delta R.T.: 0.001 min  
Response: 2827366  
Conc: 20.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.172 min  
Delta R.T.: 0.002 min  
Response: 2865191  
Conc: 20.47 ug/ml



#17 n-Tricontane (C30)

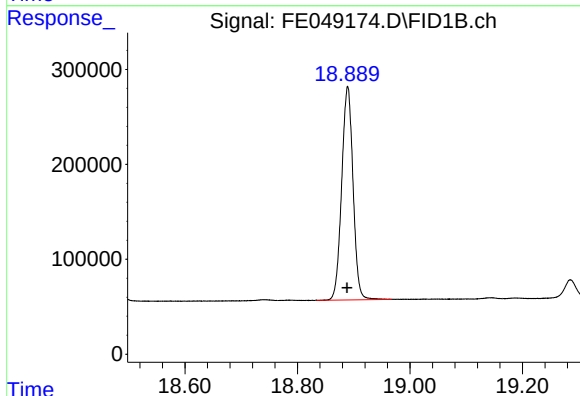
R.T.: 18.058 min  
Delta R.T.: 0.002 min  
Response: 3072452  
Conc: 21.06 ug/ml

Instrument :

FID\_E

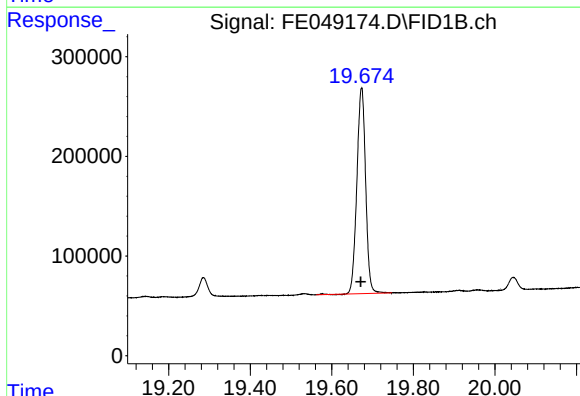
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



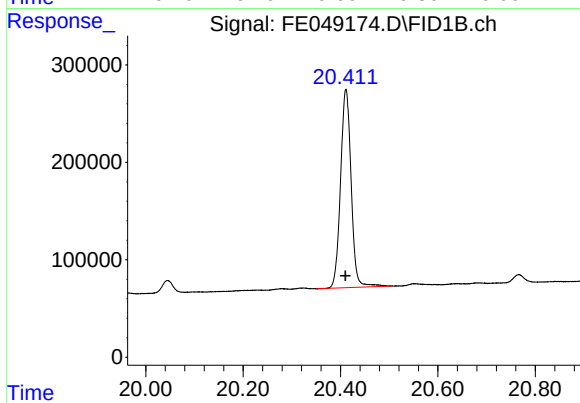
#18 n-Dotriacontane (C32)

R.T.: 18.889 min  
Delta R.T.: 0.001 min  
Response: 3150837  
Conc: 21.43 ug/ml



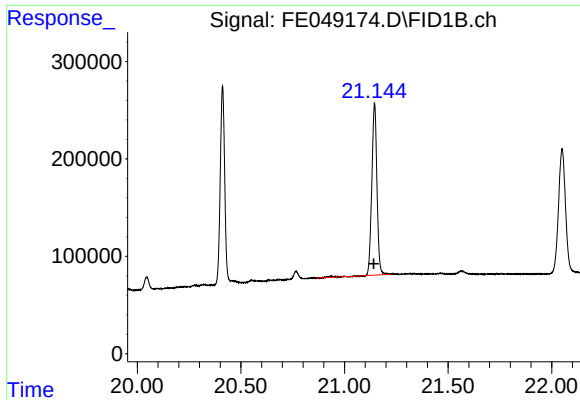
#19 n-Tetratriacontane (C34)

R.T.: 19.673 min  
Delta R.T.: 0.002 min  
Response: 3093085  
Conc: 21.18 ug/ml



#20 n-Hexatriacontane (C36)

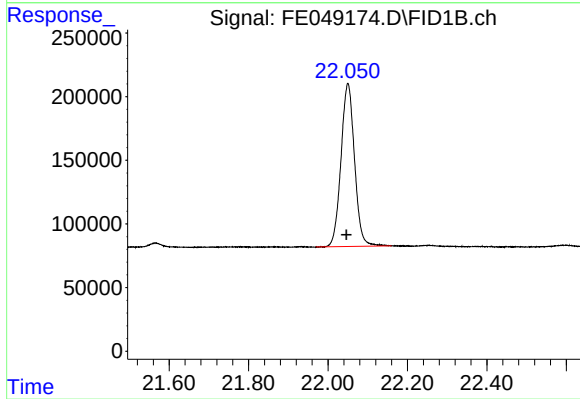
R.T.: 20.411 min  
Delta R.T.: 0.000 min  
Response: 3068131  
Conc: 21.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.145 min  
Delta R.T.: 0.003 min  
Response: 3047867  
Conc: 20.36 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 22.050 min  
Delta R.T.: 0.003 min  
Response: 3033791  
Conc: 20.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE071724AL\  
Data File : FE049174.D  
Signal(s) : FID1B.ch  
Acq On : 17 Jul 2024 14:25  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 071724.M  
Title : GC Extractables

Signal : FID1B.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                       | 3.301       | 3.267        | 3.365      | BB       | 318850         | 3080366      | 97.76%         | 4.704%        |
| 2                       | 4.550       | 4.509        | 4.612      | BB       | 322797         | 3123229      | 99.12%         | 4.770%        |
| 3                       | 6.256       | 6.219        | 6.363      | BB       | 313372         | 3149294      | 99.95%         | 4.809%        |
| 4                       | 6.717       | 6.681        | 6.774      | BB       | 305410         | 3089715      | 98.06%         | 4.718%        |
| 5                       | 7.353       | 7.314        | 7.464      | BB       | 279131         | 2947271      | 93.54%         | 4.501%        |
| 6                       | 8.544       | 8.506        | 8.607      | BB       | 291020         | 3017432      | 95.77%         | 4.608%        |
| 7                       | 10.151      | 10.110       | 10.229     | BB       | 278320         | 3044748      | 96.63%         | 4.650%        |
| 8                       | 11.594      | 11.556       | 11.663     | BB       | 264305         | 3039278      | 96.46%         | 4.641%        |
| 9                       | 11.913      | 11.873       | 11.984     | BB       | 284617         | 3108591      | 98.66%         | 4.747%        |
| 10                      | 12.903      | 12.860       | 12.964     | BB       | 242705         | 2892447      | 91.80%         | 4.417%        |
| 11                      | 13.347      | 13.302       | 13.414     | BB       | 201991         | 2350263      | 74.59%         | 3.589%        |
| 12                      | 13.514      | 13.468       | 13.575     | BB       | 240541         | 2835997      | 90.01%         | 4.331%        |
| 13                      | 14.099      | 14.054       | 14.167     | BB       | 232804         | 2813745      | 89.30%         | 4.297%        |
| 14                      | 15.202      | 15.139       | 15.269     | BB       | 222811         | 2830265      | 89.83%         | 4.322%        |
| 15                      | 16.222      | 16.173       | 16.296     | BB       | 213019         | 2827366      | 89.73%         | 4.318%        |
| 16                      | 17.172      | 17.106       | 17.248     | BB       | 211901         | 2865191      | 90.93%         | 4.376%        |
| 17                      | 18.058      | 18.006       | 18.133     | BB       | 223382         | 3072452      | 97.51%         | 4.692%        |
| 18                      | 18.889      | 18.833       | 18.968     | BB       | 224890         | 3150837      | 100.00%        | 4.812%        |
| 19                      | 19.673      | 19.562       | 19.747     | BB       | 205904         | 3093085      | 98.17%         | 4.724%        |
| 20                      | 20.411      | 20.350       | 20.505     | BB       | 203741         | 3068131      | 97.38%         | 4.686%        |
| 21                      | 21.145      | 20.863       | 21.228     | BB       | 176325         | 3047867      | 96.73%         | 4.655%        |
| 22                      | 22.050      | 21.970       | 22.160     | BB       | 128233         | 3033791      | 96.29%         | 4.633%        |
| Sum of corrected areas: |             |              |            |          |                | 65481361     |                |               |

Aliphatic EPH 071724.M Wed Jul 17 15:44:28 2024