

**DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY**

Lab Name: Chemtech Contract: JACO05  
 ProjectID: Former Schlumberger STC PTC Site # D3868221  
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

| Calibration Sequence : FG030325 |            | Test : Diesel Range Organics |                  |
|---------------------------------|------------|------------------------------|------------------|
| Concentration (PPM)             | Area Count | Reference Factor             | File ID          |
| 1000                            | 114833486  | 114833                       | FG015426.D       |
| 500                             | 55962401   | 111925                       | FG015427.D       |
| 200                             | 22632021   | 113160                       | FG015428.D       |
| 100                             | 12261744   | 122617                       | FG015429.D       |
| 50                              | 6347567    | 126951                       | FG015430.D       |
| AVG RF : 117897                 |            | % RSD : 5.558                | AVG RT : 15.0338 |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015426.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 11:48  
 Operator : YP\AJ  
 Sample : 100 TRPH STD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 100 TRPH STD

Integration File: autoint1.e  
 Quant Time: Mar 03 12:50:18 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Quant Title :  
 QLast Update : Mon Mar 03 12:48:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units    |
|-------------------------------|--------|----------|---------------|
| -----                         |        |          |               |
| System Monitoring Compounds   |        |          |               |
| 9) S TETRACOSANE-d50 (SURR... | 15.039 | 10644030 | 100.716 ug/ml |
| Target Compounds              |        |          |               |
| 1) N-OCTANE                   | 1.995  | 10570364 | 103.119 ug/ml |
| 2) N-DECANE                   | 4.536  | 10810569 | 102.952 ug/ml |
| 3) N-DODECANE                 | 6.720  | 11332975 | 102.511 ug/ml |
| 4) N-TETRADECANE              | 8.557  | 11220922 | 101.787 ug/ml |
| 5) N-HEXADECANE               | 10.172 | 11555168 | 101.197 ug/ml |
| 6) N-OCTADECANE               | 11.620 | 12045869 | 100.858 ug/ml |
| 7) N-EICOSANE                 | 12.935 | 11845392 | 100.680 ug/ml |
| 8) N-DOCOSANE                 | 14.137 | 11716478 | 100.626 ug/ml |
| 10) N-TETRACOSANE             | 15.245 | 11661357 | 100.709 ug/ml |
| 11) N-HEXACOSANE              | 16.269 | 11454493 | 100.917 ug/ml |
| 12) N-OCTACOSANE              | 17.221 | 11190263 | 100.825 ug/ml |
| 13) N-TRIACONTANE             | 18.110 | 11049270 | 100.552 ug/ml |
| 14) N-DOTRIACONTANE           | 18.944 | 10781202 | 100.377 ug/ml |
| 15) N-TETRATRIACONTANE        | 19.729 | 9934114  | 100.333 ug/ml |
| 16) N-HEXATRIACONTANE         | 20.469 | 8727944  | 101.027 ug/ml |
| 17) N-OCTATRIACONTANE         | 21.214 | 7669375  | 100.324 ug/ml |
| 18) N-TETRACONTANE            | 22.146 | 6527484  | 99.312 ug/ml  |
| -----                         |        |          |               |

(f)=RT Delta > 1/2 Window

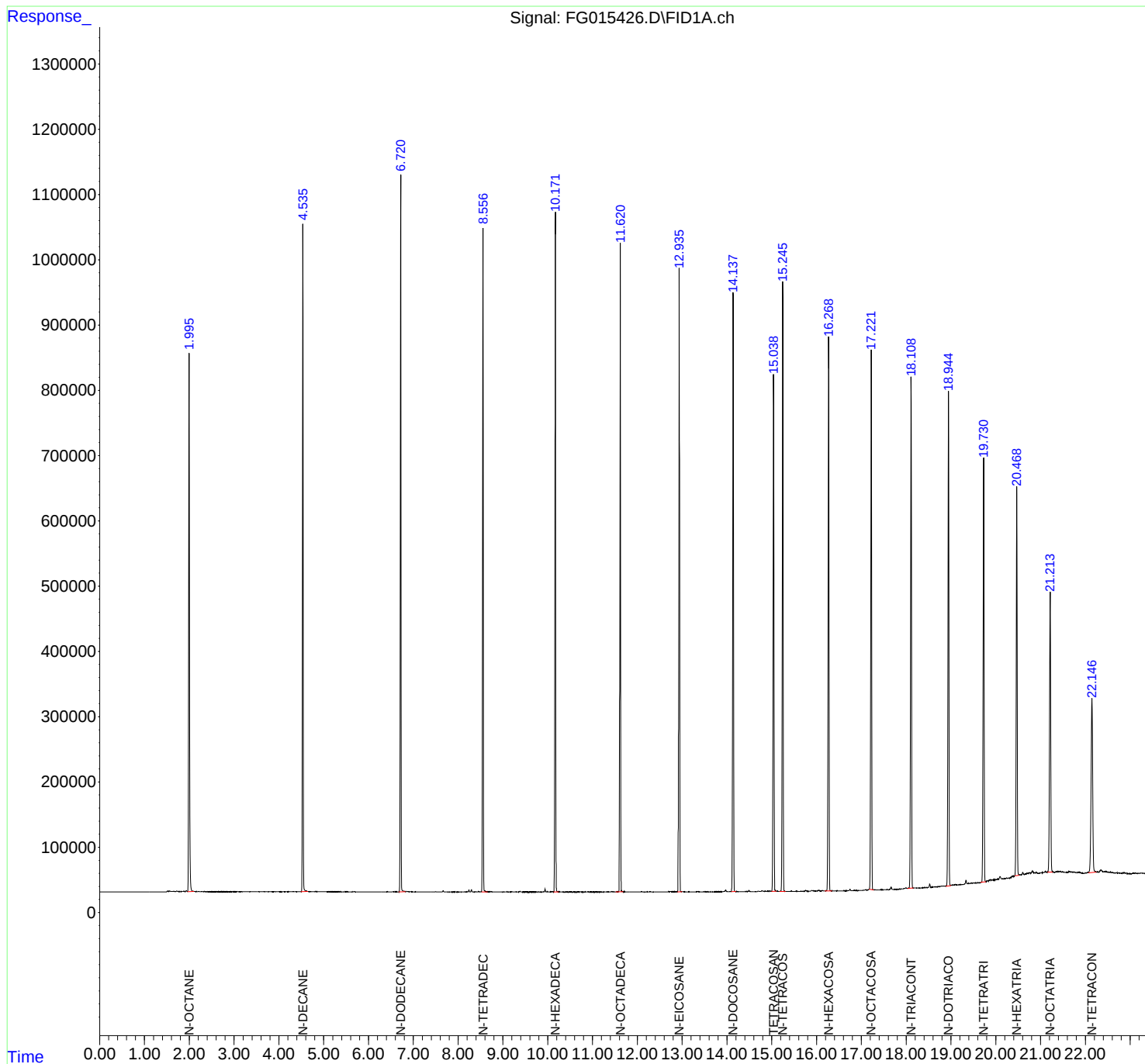
(m)=manual int.

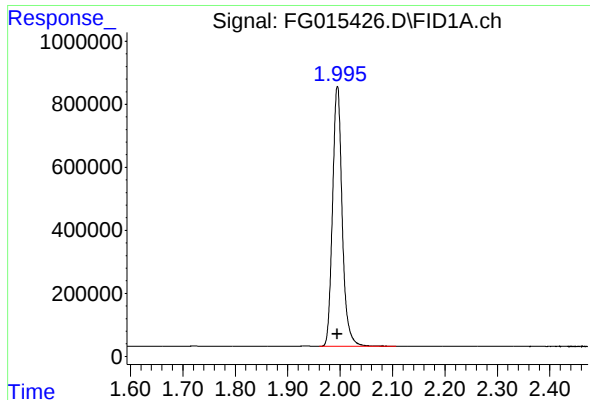
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015426.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 11:48  
Operator : YP\AJ  
Sample : 100 TRPH STD  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
100 TRPH STD

Integration File: autoint1.e  
Quant Time: Mar 03 12:50:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Quant Title :  
QLast Update : Mon Mar 03 12:48:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

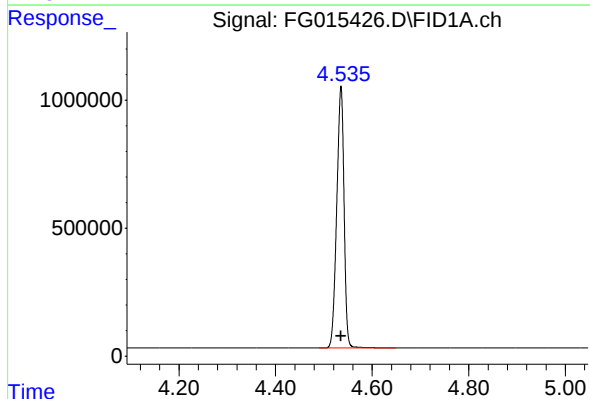




#1 N-OCTANE

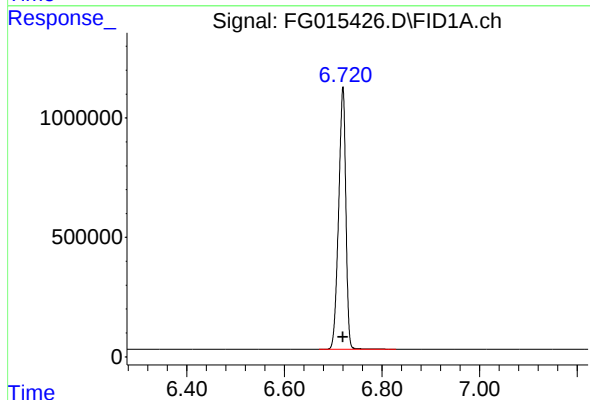
R.T.: 1.995 min  
Delta R.T.: 0.000 min  
Response: 10570364  
Conc: 103.12 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 TRPH STD



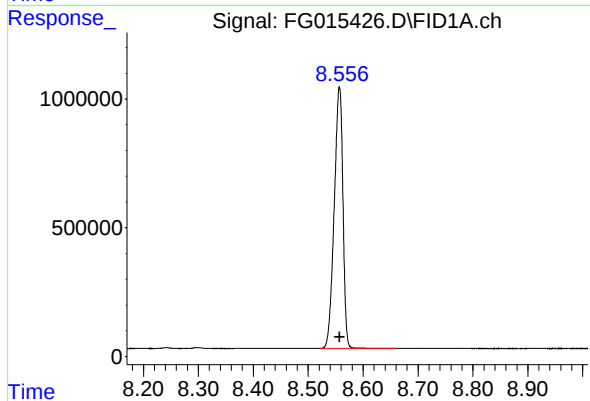
#2 N-DECANE

R.T.: 4.536 min  
Delta R.T.: 0.000 min  
Response: 10810569  
Conc: 102.95 ug/ml



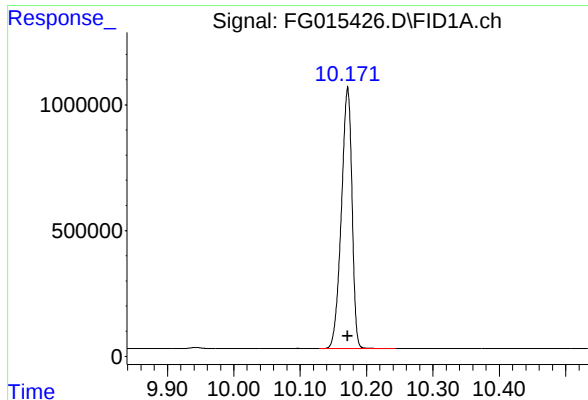
#3 N-DODECANE

R.T.: 6.720 min  
Delta R.T.: 0.000 min  
Response: 11332975  
Conc: 102.51 ug/ml



#4 N-TETRADECANE

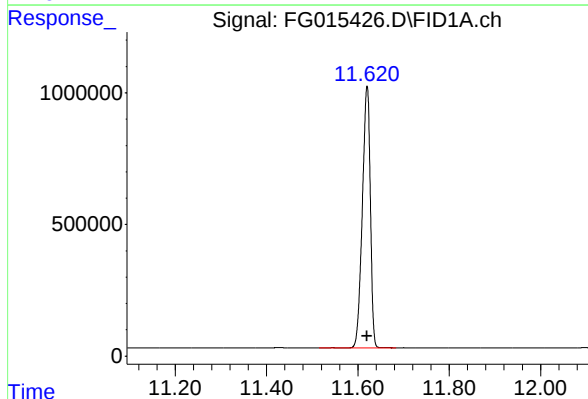
R.T.: 8.557 min  
Delta R.T.: 0.000 min  
Response: 11220922  
Conc: 101.79 ug/ml



#5 N-HEXADECANE

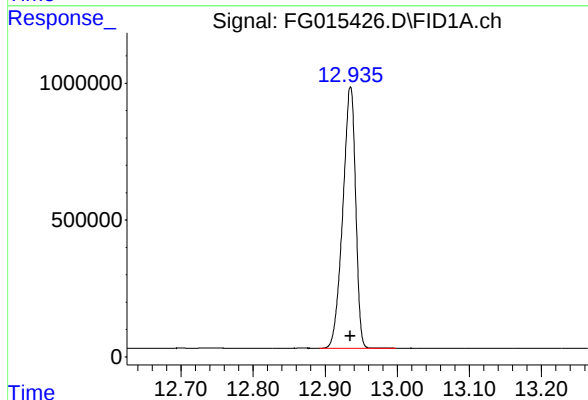
R.T.: 10.172 min  
Delta R.T.: 0.000 min  
Response: 11555168  
Conc: 101.20 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 TRPH STD



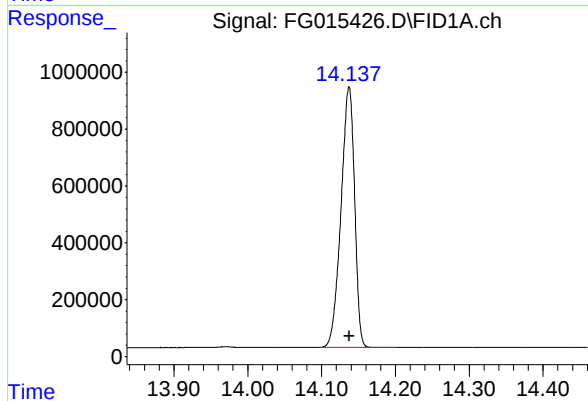
#6 N-OCTADECANE

R.T.: 11.620 min  
Delta R.T.: 0.000 min  
Response: 12045869  
Conc: 100.86 ug/ml



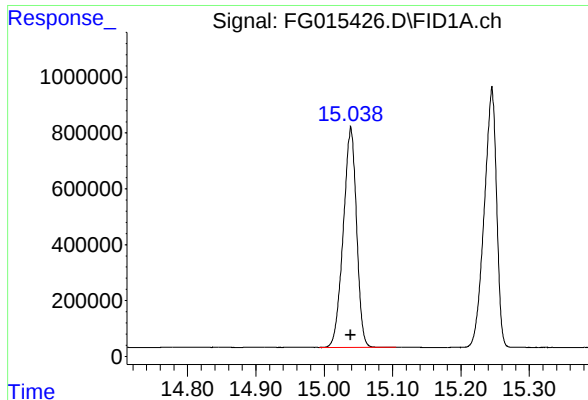
#7 N-EICOSANE

R.T.: 12.935 min  
Delta R.T.: 0.000 min  
Response: 11845392  
Conc: 100.68 ug/ml



#8 N-DOCOSANE

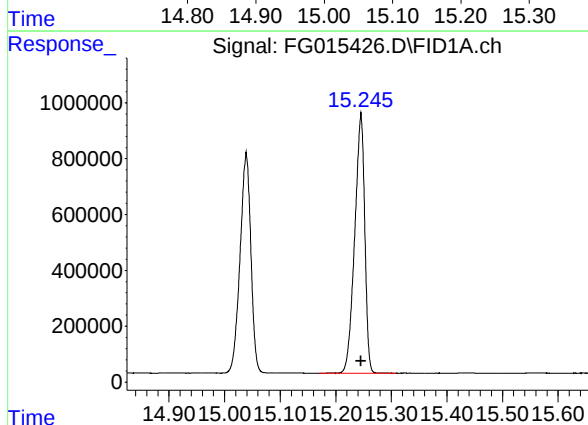
R.T.: 14.137 min  
Delta R.T.: 0.000 min  
Response: 11716478  
Conc: 100.63 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

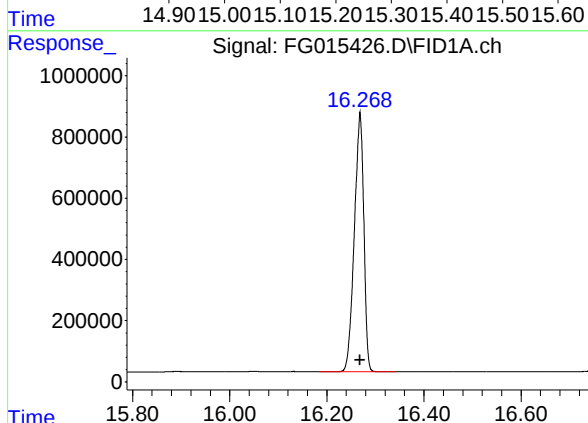
R.T.: 15.039 min  
Delta R.T.: 0.000 min  
Response: 10644030  
Conc: 100.72 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 TRPH STD



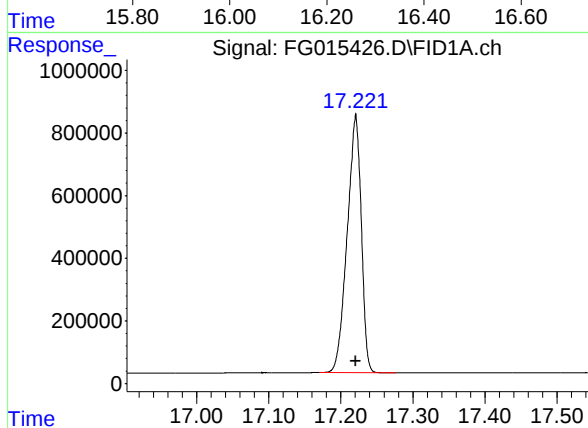
#10 N-TETRACOSANE

R.T.: 15.245 min  
Delta R.T.: 0.000 min  
Response: 11661357  
Conc: 100.71 ug/ml



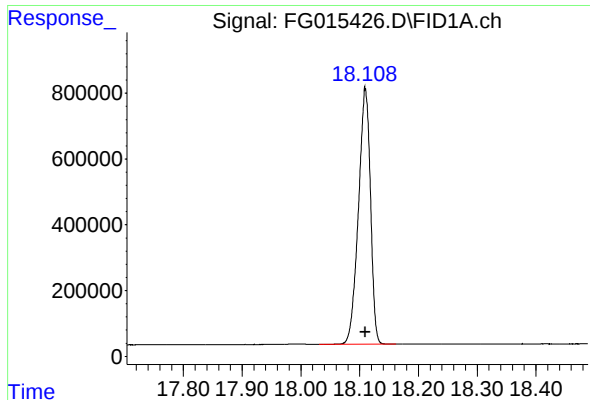
#11 N-HEXACOSANE

R.T.: 16.269 min  
Delta R.T.: 0.000 min  
Response: 11454493  
Conc: 100.92 ug/ml



#12 N-OCTACOSANE

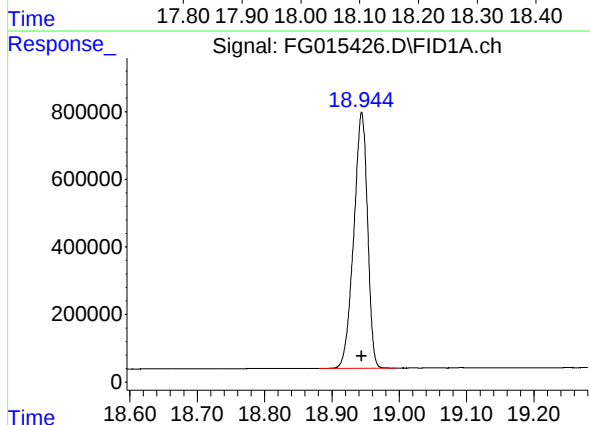
R.T.: 17.221 min  
Delta R.T.: 0.000 min  
Response: 11190263  
Conc: 100.83 ug/ml



#13 N-TRIACONTANE

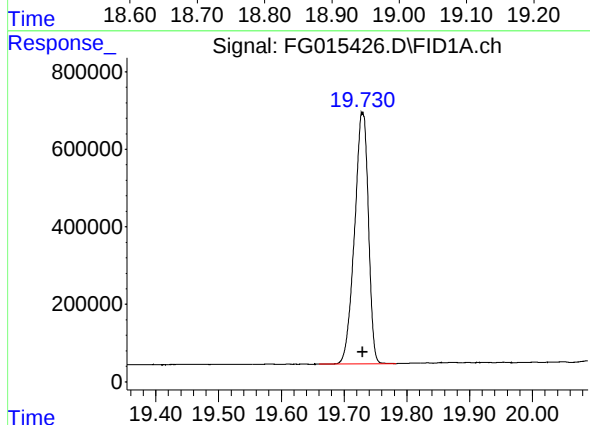
R.T.: 18.110 min  
Delta R.T.: 0.000 min  
Response: 11049270  
Conc: 100.55 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 TRPH STD



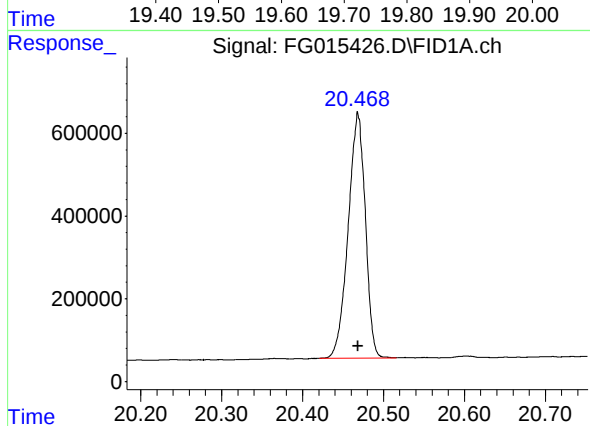
#14 N-DOTRIACONTANE

R.T.: 18.944 min  
Delta R.T.: 0.000 min  
Response: 10781202  
Conc: 100.38 ug/ml



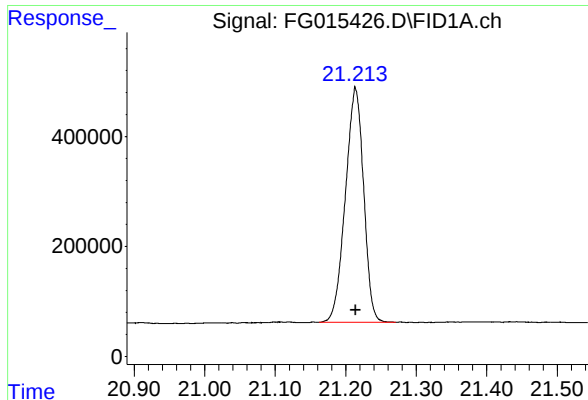
#15 N-TETRATRIACONTANE

R.T.: 19.729 min  
Delta R.T.: 0.000 min  
Response: 9934114  
Conc: 100.33 ug/ml



#16 N-HEXATRIACONTANE

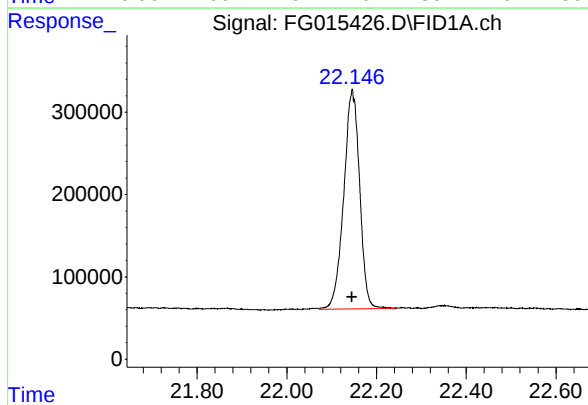
R.T.: 20.469 min  
Delta R.T.: 0.000 min  
Response: 8727944  
Conc: 101.03 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.214 min  
Delta R.T.: 0.000 min  
Response: 7669375  
Conc: 100.32 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.146 min  
Delta R.T.: 0.000 min  
Response: 6527484  
Conc: 99.31 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015426.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 11:48  
 Sample : 100 TRPH STD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Title :

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                       | 1.995       | 1.960        | 2.107      | PB       | 824685         | 10570364     | 87.75%         | 5.542%        |
| 2                       | 4.536       | 4.490        | 4.649      | BB       | 1023315        | 10810569     | 89.75%         | 5.668%        |
| 3                       | 6.720       | 6.671        | 6.828      | BB       | 1099122        | 11332975     | 94.08%         | 5.942%        |
| 4                       | 8.557       | 8.520        | 8.660      | PB       | 1015491        | 11220922     | 93.15%         | 5.883%        |
| 5                       | 10.172      | 10.128       | 10.244     | BB       | 1041311        | 11555168     | 95.93%         | 6.058%        |
| 6                       | 11.620      | 11.515       | 11.683     | BB       | 993778         | 12045869     | 100.00%        | 6.315%        |
| 7                       | 12.935      | 12.892       | 12.998     | BB       | 954452         | 11845392     | 98.34%         | 6.210%        |
| 8                       | 14.137      | 14.097       | 14.201     | BB       | 916085         | 11716478     | 97.27%         | 6.143%        |
| 9                       | 15.039      | 14.993       | 15.105     | PV       | 789178         | 10644030     | 88.36%         | 5.580%        |
| 10                      | 15.245      | 15.170       | 15.308     | BB       | 934895         | 11661357     | 96.81%         | 6.114%        |
| 11                      | 16.269      | 16.184       | 16.343     | BB       | 847276         | 11454493     | 95.09%         | 6.005%        |
| 12                      | 17.221      | 17.170       | 17.277     | BV       | 825865         | 11190263     | 92.90%         | 5.867%        |
| 13                      | 18.110      | 18.031       | 18.162     | BB       | 775654         | 11049270     | 91.73%         | 5.793%        |
| 14                      | 18.944      | 18.881       | 18.995     | BV       | 758070         | 10781202     | 89.50%         | 5.652%        |
| 15                      | 19.729      | 19.660       | 19.783     | BV       | 646136         | 9934114      | 82.47%         | 5.208%        |
| 16                      | 20.469      | 20.420       | 20.515     | BV       | 589815         | 8727944      | 72.46%         | 4.576%        |
| 17                      | 21.214      | 21.162       | 21.271     | PV       | 427171         | 7669375      | 63.67%         | 4.021%        |
| 18                      | 22.146      | 22.072       | 22.243     | VV       | 266333         | 6527484      | 54.19%         | 3.422%        |
| Sum of corrected areas: |             |              |            |          |                | 190737268    |                |               |

FG030325.M Tue Mar 04 04:34:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015427.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 12:17  
 Operator : YP\AJ  
 Sample : 50 TRPH STD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 50 TRPH STD

Integration File: autoint1.e  
 Quant Time: Mar 03 12:48:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Quant Title :  
 QLast Update : Mon Mar 03 12:48:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.035 | 5246382  | 50.000 ug/ml |
| Target Compounds              |        |          |              |
| 1) N-OCTANE                   | 1.994  | 4965506  | 50.000 ug/ml |
| 2) N-DECANE                   | 4.533  | 5095283  | 50.000 ug/ml |
| 3) N-DODECANE                 | 6.717  | 5388928  | 50.000 ug/ml |
| 4) N-TETRADECANE              | 8.553  | 5413479  | 50.000 ug/ml |
| 5) N-HEXADECANE               | 10.168 | 5640871  | 50.000 ug/ml |
| 6) N-OCTADECANE               | 11.616 | 5920415  | 50.000 ug/ml |
| 7) N-EICOSANE                 | 12.930 | 5842747  | 50.000 ug/ml |
| 8) N-DOCOSANE                 | 14.132 | 5785353  | 50.000 ug/ml |
| 10) N-TETRACOSANE             | 15.240 | 5748589  | 50.000 ug/ml |
| 11) N-HEXACOSANE              | 16.263 | 5623200  | 50.000 ug/ml |
| 12) N-OCTACOSANE              | 17.216 | 5503536  | 50.000 ug/ml |
| 13) N-TRIACONTANE             | 18.106 | 5464008  | 50.000 ug/ml |
| 14) N-DOTRIACONTANE           | 18.940 | 5350108  | 50.000 ug/ml |
| 15) N-TETRATRIACONTANE        | 19.725 | 4934105  | 50.000 ug/ml |
| 16) N-HEXATRIACONTANE         | 20.464 | 4275212  | 50.000 ug/ml |
| 17) N-OCTATRIACONTANE         | 21.211 | 3809914  | 50.000 ug/ml |
| 18) N-TETRACONTANE            | 22.141 | 3308945  | 50.000 ug/ml |
| -----                         |        |          |              |

(f)=RT Delta > 1/2 Window

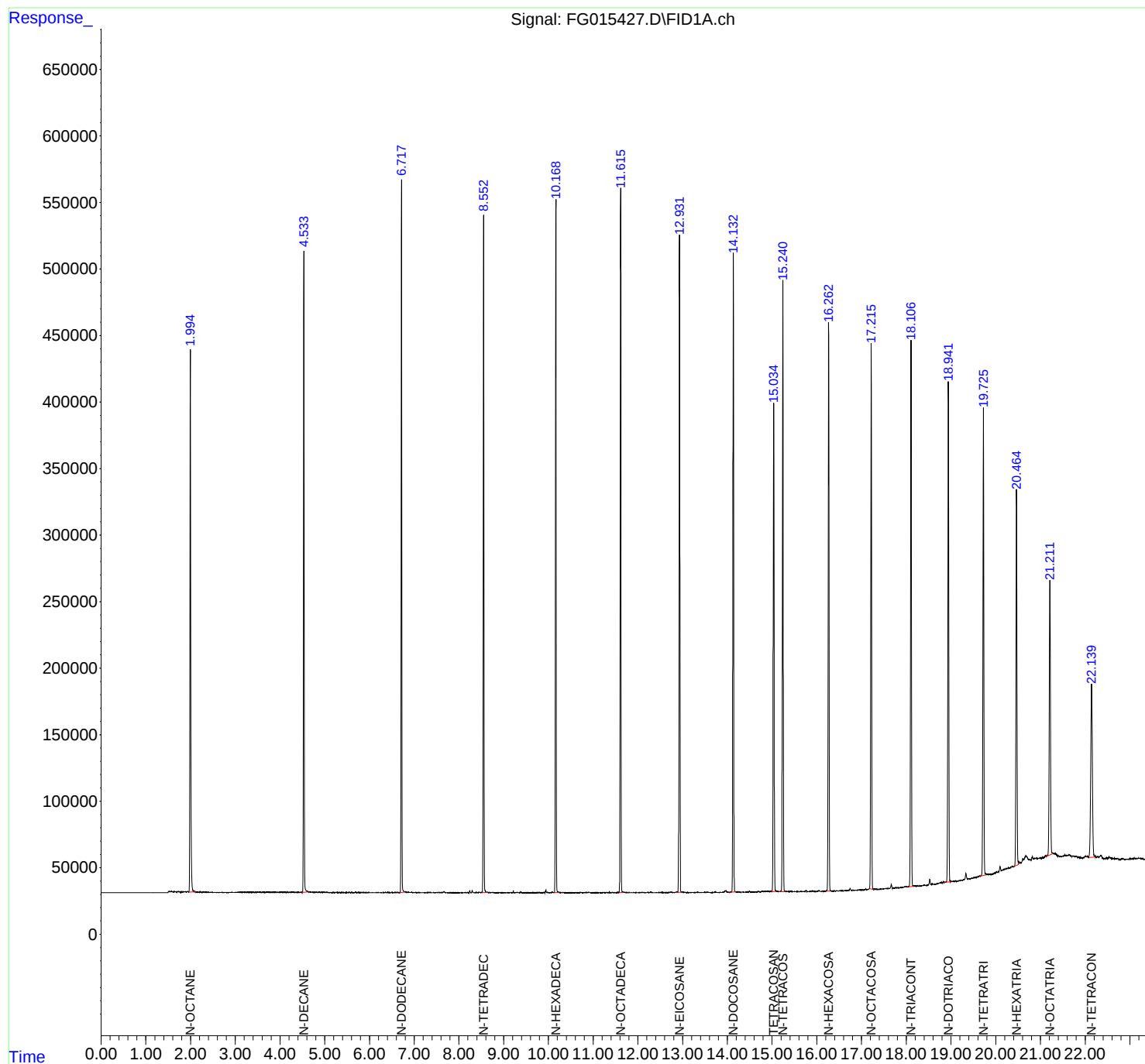
(m)=manual int.

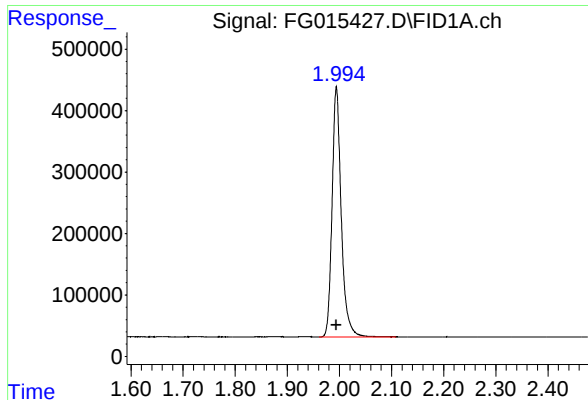
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015427.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 12:17  
Operator : YP\AJ  
Sample : 50 TRPH STD  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
50 TRPH STD

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QLast Update : Mon Mar 03 12:48:04 2025  
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Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

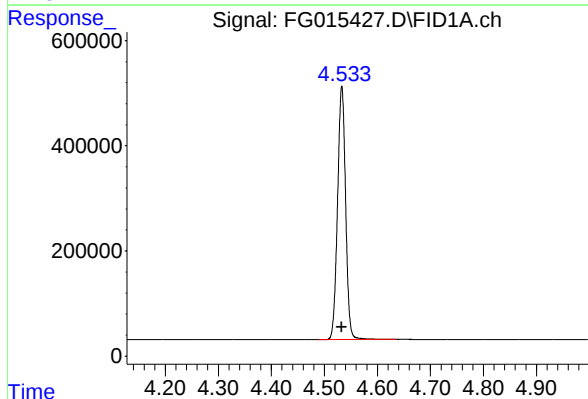




#1 N-OCTANE

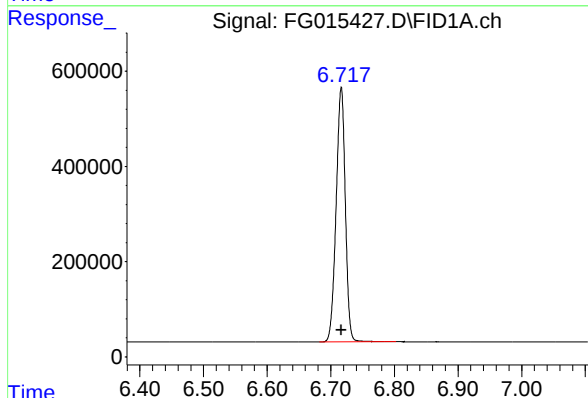
R.T.: 1.994 min  
Delta R.T.: 0.000 min  
Response: 4965506  
Conc: 50.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 TRPH STD



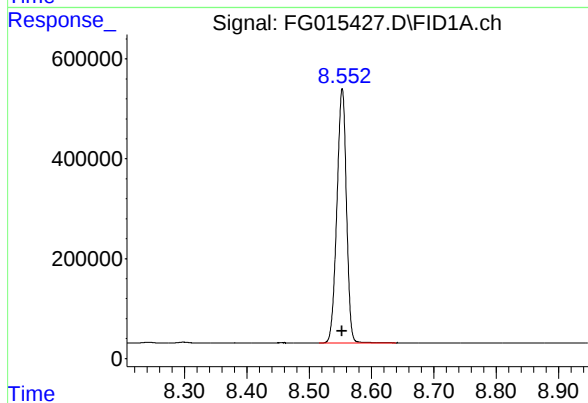
#2 N-DECANE

R.T.: 4.533 min  
Delta R.T.: 0.000 min  
Response: 5095283  
Conc: 50.00 ug/ml



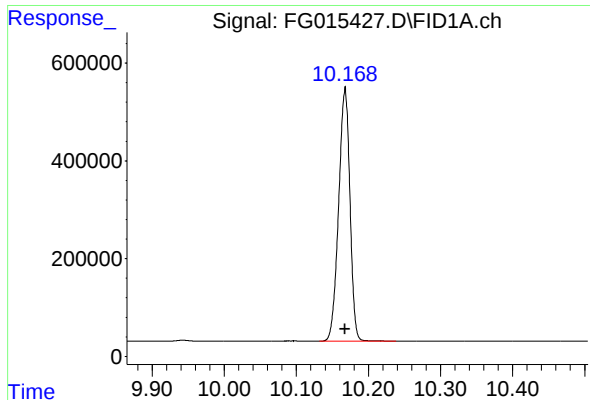
#3 N-DODECANE

R.T.: 6.717 min  
Delta R.T.: 0.000 min  
Response: 5388928  
Conc: 50.00 ug/ml



#4 N-TETRADECANE

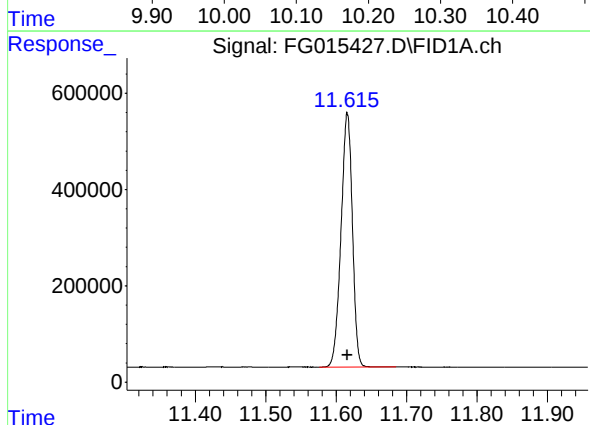
R.T.: 8.553 min  
Delta R.T.: 0.000 min  
Response: 5413479  
Conc: 50.00 ug/ml



#5 N-HEXADECANE

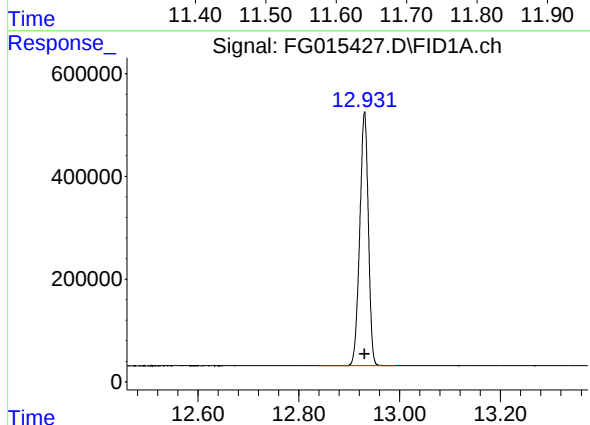
R.T.: 10.168 min  
Delta R.T.: 0.000 min  
Response: 5640871  
Conc: 50.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 TRPH STD



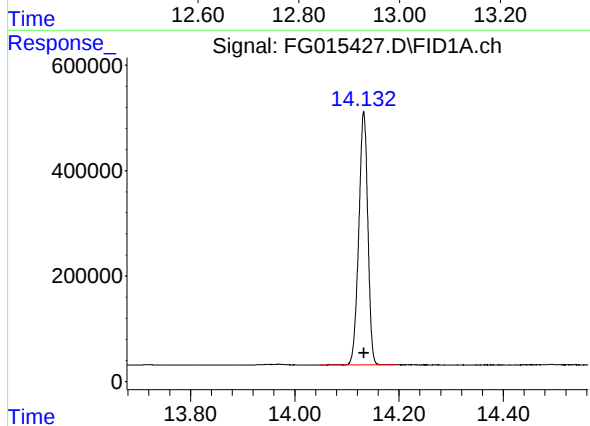
#6 N-OCTADECANE

R.T.: 11.616 min  
Delta R.T.: 0.000 min  
Response: 5920415  
Conc: 50.00 ug/ml



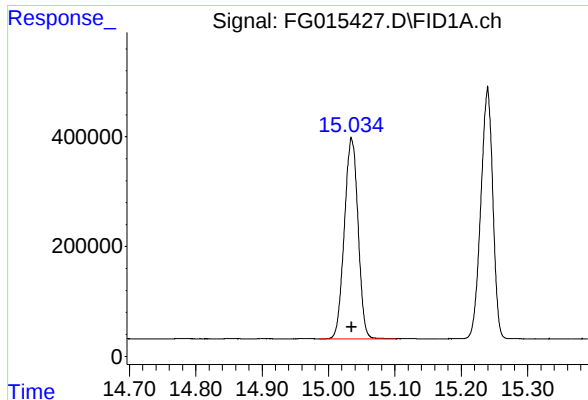
#7 N-EICOSANE

R.T.: 12.930 min  
Delta R.T.: 0.000 min  
Response: 5842747  
Conc: 50.00 ug/ml



#8 N-DOCOSANE

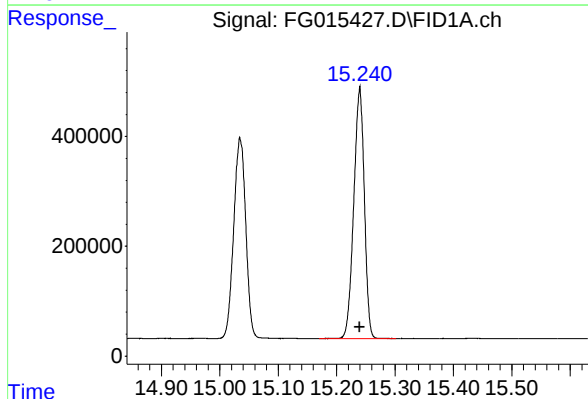
R.T.: 14.132 min  
Delta R.T.: 0.000 min  
Response: 5785353  
Conc: 50.00 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

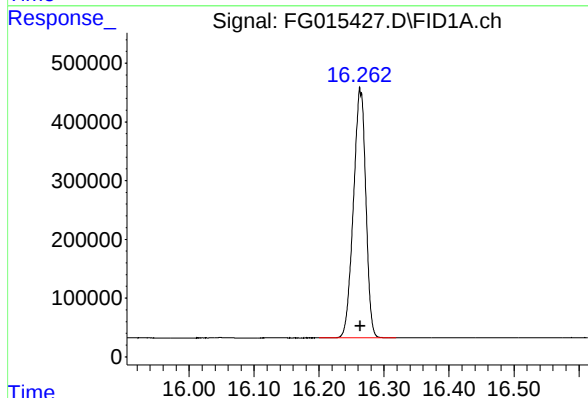
R.T.: 15.035 min  
Delta R.T.: 0.000 min  
Response: 5246382  
Conc: 50.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 TRPH STD



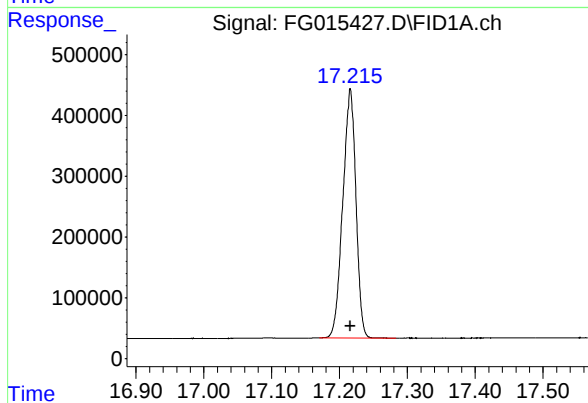
#10 N-TETRACOSANE

R.T.: 15.240 min  
Delta R.T.: 0.000 min  
Response: 5748589  
Conc: 50.00 ug/ml



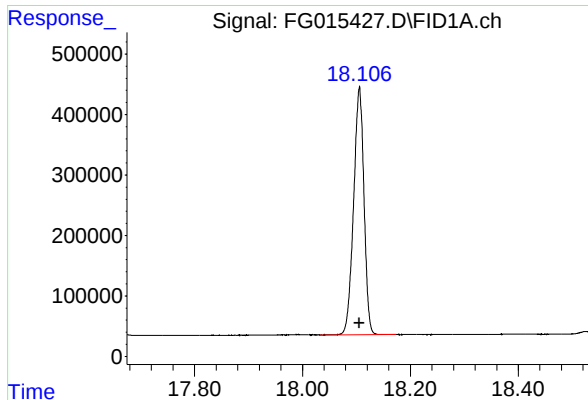
#11 N-HEXACOSANE

R.T.: 16.263 min  
Delta R.T.: 0.000 min  
Response: 5623200  
Conc: 50.00 ug/ml



#12 N-OCTACOSANE

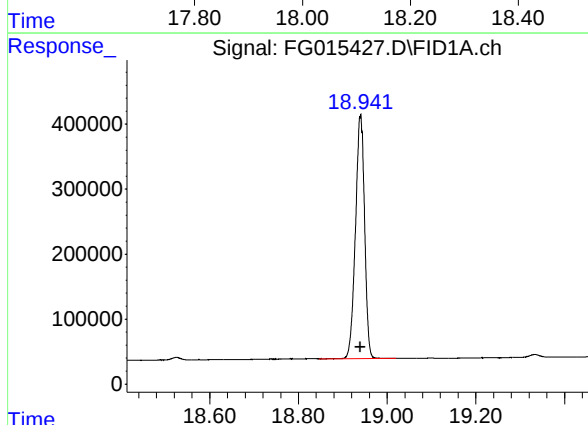
R.T.: 17.216 min  
Delta R.T.: 0.000 min  
Response: 5503536  
Conc: 50.00 ug/ml



#13 N-TRIACONTANE

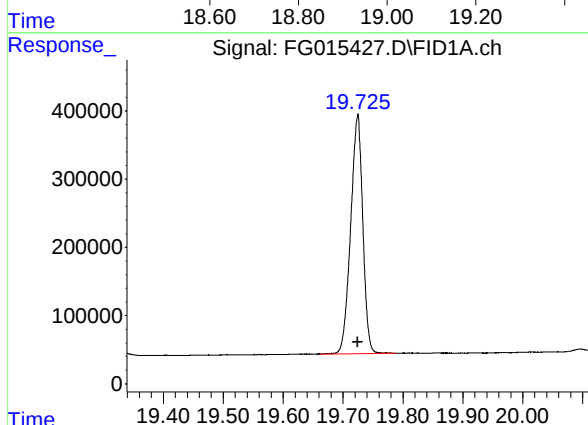
R.T.: 18.106 min  
Delta R.T.: 0.000 min  
Response: 5464008  
Conc: 50.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 TRPH STD



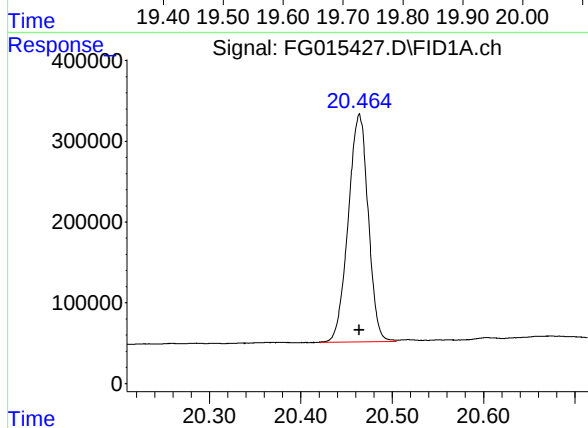
#14 N-DOTRIACONTANE

R.T.: 18.940 min  
Delta R.T.: 0.000 min  
Response: 5350108  
Conc: 50.00 ug/ml



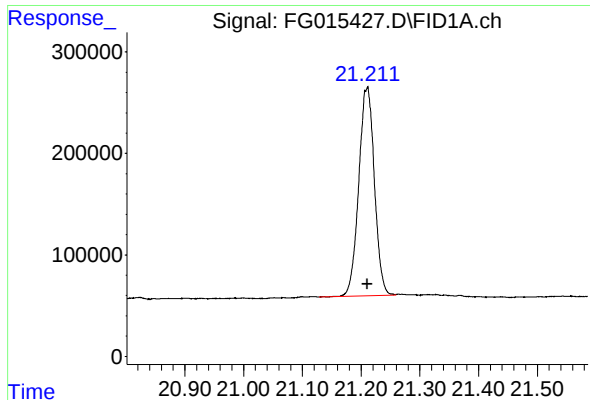
#15 N-TETRATRIACONTANE

R.T.: 19.725 min  
Delta R.T.: 0.000 min  
Response: 4934105  
Conc: 50.00 ug/ml



#16 N-HEXATRIACONTANE

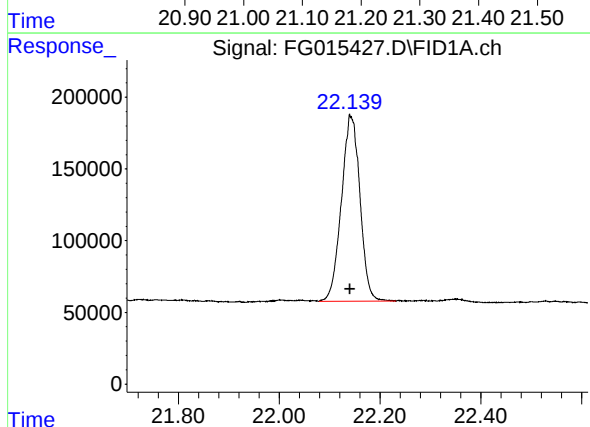
R.T.: 20.464 min  
Delta R.T.: 0.000 min  
Response: 4275212  
Conc: 50.00 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.211 min  
Delta R.T.: 0.000 min  
Response: 3809914  
Conc: 50.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.141 min  
Delta R.T.: 0.000 min  
Response: 3308945  
Conc: 50.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015427.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 12:17  
Sample : 50 TRPH STD  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Title :

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                       | 1.994       | 1.961        | 2.108      | BB       | 407382         | 4965506      | 83.87%         | 5.321%        |
| 2                       | 4.533       | 4.490        | 4.635      | BB       | 482505         | 5095283      | 86.06%         | 5.460%        |
| 3                       | 6.717       | 6.682        | 6.803      | BB       | 535433         | 5388928      | 91.02%         | 5.775%        |
| 4                       | 8.553       | 8.516        | 8.639      | BB       | 509411         | 5413479      | 91.44%         | 5.801%        |
| 5                       | 10.168      | 10.132       | 10.238     | BB       | 518172         | 5640871      | 95.28%         | 6.045%        |
| 6                       | 11.616      | 11.576       | 11.685     | BB       | 526761         | 5920415      | 100.00%        | 6.344%        |
| 7                       | 12.930      | 12.840       | 12.993     | BB       | 493438         | 5842747      | 98.69%         | 6.261%        |
| 8                       | 14.132      | 14.047       | 14.194     | BB       | 480182         | 5785353      | 97.72%         | 6.200%        |
| 9                       | 15.035      | 14.986       | 15.102     | BV       | 363784         | 5246382      | 88.62%         | 5.622%        |
| 10                      | 15.240      | 15.170       | 15.302     | BB       | 459822         | 5748589      | 97.10%         | 6.160%        |
| 11                      | 16.263      | 16.200       | 16.318     | BB       | 419401         | 5623200      | 94.98%         | 6.026%        |
| 12                      | 17.216      | 17.170       | 17.283     | BB       | 410138         | 5503536      | 92.96%         | 5.898%        |
| 13                      | 18.106      | 18.031       | 18.173     | BB       | 410542         | 5464008      | 92.29%         | 5.855%        |
| 14                      | 18.940      | 18.847       | 19.020     | BV       | 370922         | 5350108      | 90.37%         | 5.733%        |
| 15                      | 19.725      | 19.660       | 19.788     | BV       | 351414         | 4934105      | 83.34%         | 5.287%        |
| 16                      | 20.464      | 20.420       | 20.504     | BV       | 282155         | 4275212      | 72.21%         | 4.581%        |
| 17                      | 21.211      | 21.128       | 21.259     | PV       | 205065         | 3809914      | 64.35%         | 4.083%        |
| 18                      | 22.141      | 22.079       | 22.232     | BV       | 128956         | 3308945      | 55.89%         | 3.546%        |
| Sum of corrected areas: |             |              |            |          |                |              | 93316579       |               |

FG030325.M Tue Mar 04 04:35:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015428.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 12:46  
 Operator : YP\AJ  
 Sample : 20 TRPH STD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 20 TRPH STD

Integration File: autoint1.e  
 Quant Time: Mar 03 12:55:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Quant Title :  
 QLast Update : Mon Mar 03 12:54:55 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.033 | 2074987  | 19.754 ug/ml |
| Target Compounds              |        |          |              |
| 1) N-OCTANE                   | 1.995  | 2148272  | 20.628 ug/ml |
| 2) N-DECANE                   | 4.532  | 2177756  | 20.487 ug/ml |
| 3) N-DODECANE                 | 6.714  | 2260955  | 20.298 ug/ml |
| 4) N-TETRADECANE              | 8.550  | 2229154  | 20.147 ug/ml |
| 5) N-HEXADECANE               | 10.164 | 2282146  | 19.991 ug/ml |
| 6) N-OCTADECANE               | 11.613 | 2364724  | 19.866 ug/ml |
| 7) N-EICOSANE                 | 12.927 | 2320604  | 19.815 ug/ml |
| 8) N-DOCOSANE                 | 14.131 | 2288772  | 19.770 ug/ml |
| 10) N-TETRACOSANE             | 15.236 | 2273407  | 19.754 ug/ml |
| 11) N-HEXACOSANE              | 16.260 | 2233591  | 19.784 ug/ml |
| 12) N-OCTACOSANE              | 17.213 | 2200912  | 19.887 ug/ml |
| 13) N-TRIACONTANE             | 18.103 | 2201361  | 20.022 ug/ml |
| 14) N-DOTRIACONTANE           | 18.937 | 2193441  | 20.279 ug/ml |
| 15) N-TETRATRIACONTANE        | 19.720 | 2127511  | 20.968 ug/ml |
| 16) N-HEXATRIACONTANE         | 20.461 | 1988145  | 21.913 ug/ml |
| 17) N-OCTATRIACONTANE         | 21.208 | 1897196  | 22.973 ug/ml |
| 18) N-TETRACONTANE            | 22.140 | 1736732  | 23.868 ug/ml |
| -----                         |        |          |              |

(f)=RT Delta > 1/2 Window

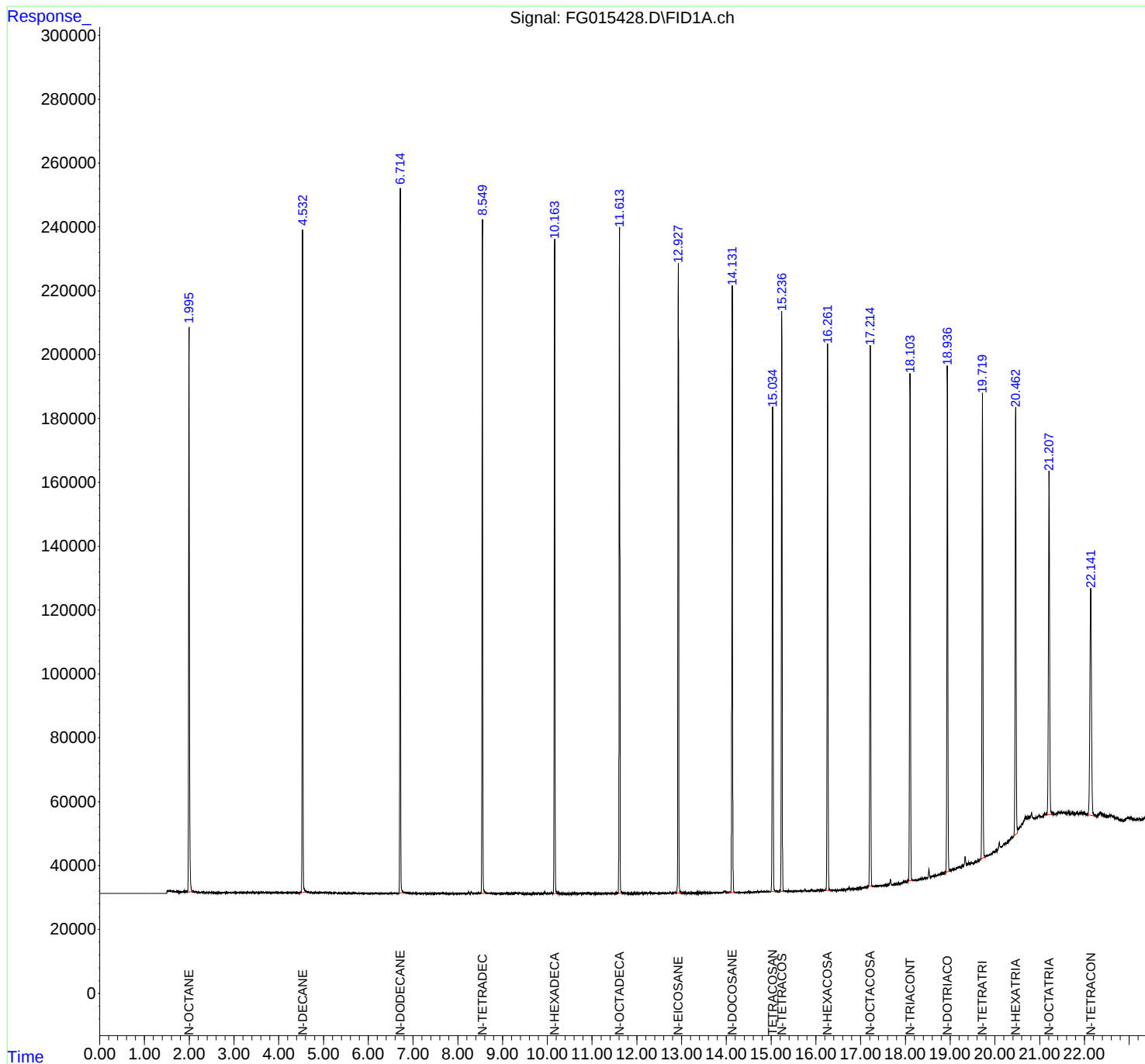
(m)=manual int.

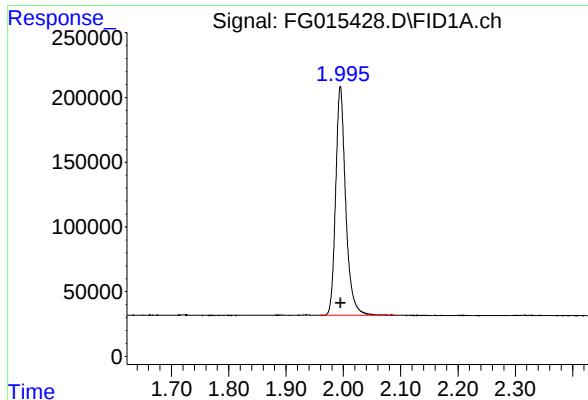
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015428.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 12:46  
Operator : YP\AJ  
Sample : 20 TRPH STD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
20 TRPH STD

Integration File: autoint1.e  
Quant Time: Mar 03 12:55:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Quant Title :  
QLast Update : Mon Mar 03 12:54:55 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

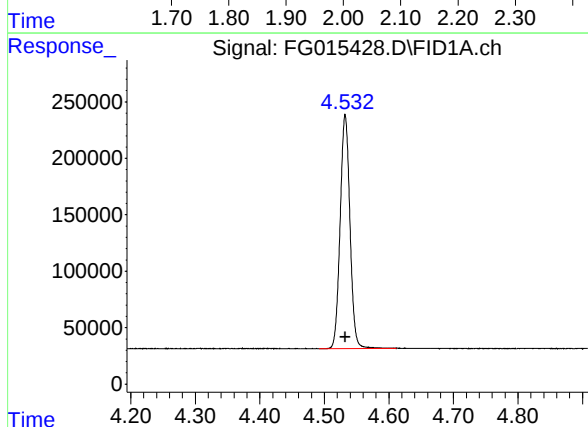




#1 N-OCTANE

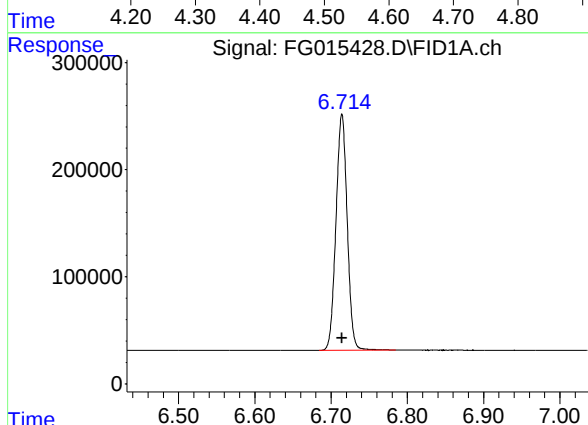
R.T.: 1.995 min  
Delta R.T.: 0.000 min  
Response: 2148272  
Conc: 20.63 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 TRPH STD



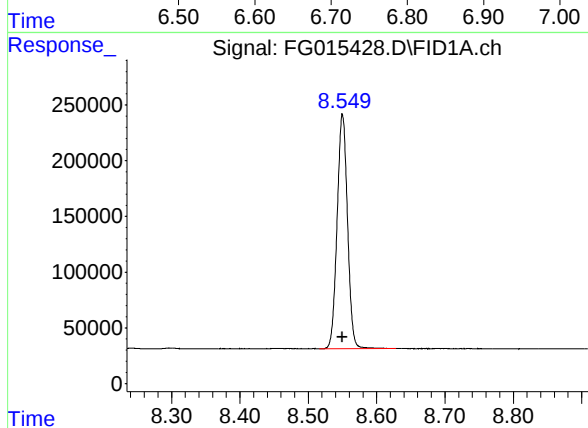
#2 N-DECANE

R.T.: 4.532 min  
Delta R.T.: 0.000 min  
Response: 2177756  
Conc: 20.49 ug/ml



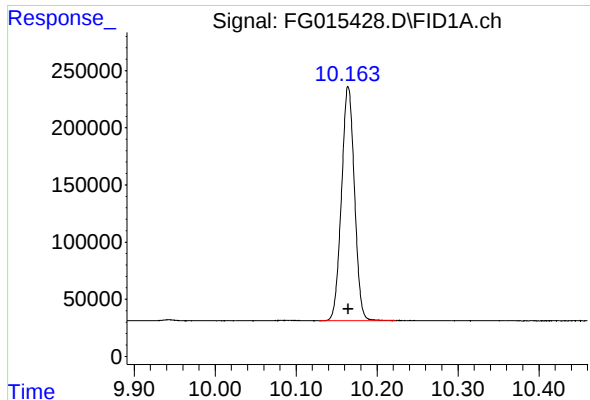
#3 N-DODECANE

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 2260955  
Conc: 20.30 ug/ml



#4 N-TETRADECANE

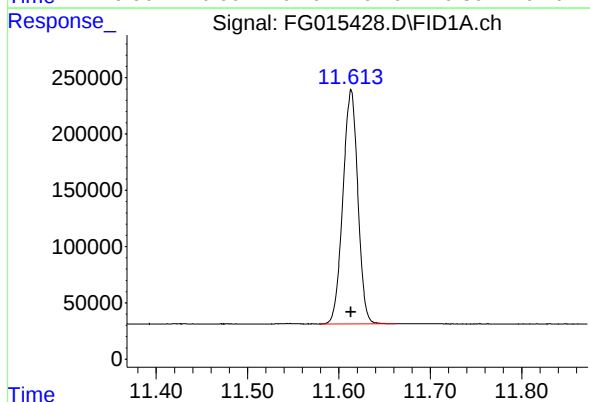
R.T.: 8.550 min  
Delta R.T.: 0.000 min  
Response: 2229154  
Conc: 20.15 ug/ml



#5 N-HEXADECANE

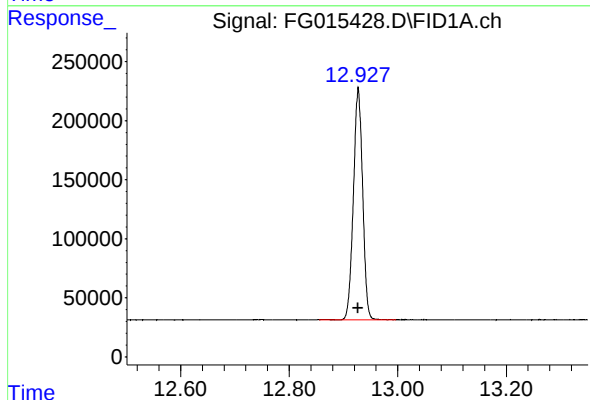
R.T.: 10.164 min  
Delta R.T.: 0.000 min  
Response: 2282146  
Conc: 19.99 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 TRPH STD



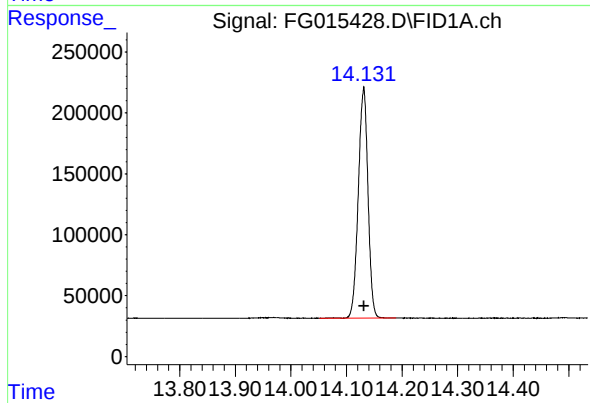
#6 N-OCTADECANE

R.T.: 11.613 min  
Delta R.T.: 0.000 min  
Response: 2364724  
Conc: 19.87 ug/ml



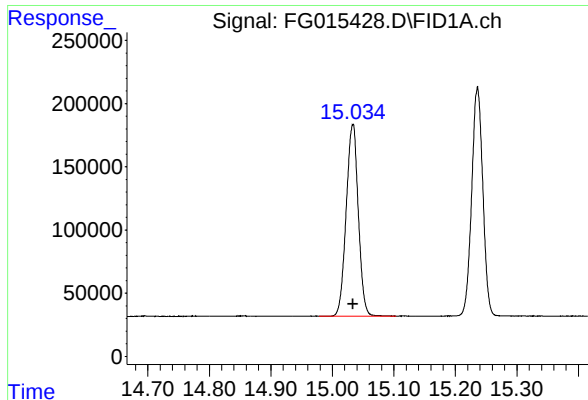
#7 N-EICOSANE

R.T.: 12.927 min  
Delta R.T.: 0.000 min  
Response: 2320604  
Conc: 19.82 ug/ml



#8 N-DOCOSANE

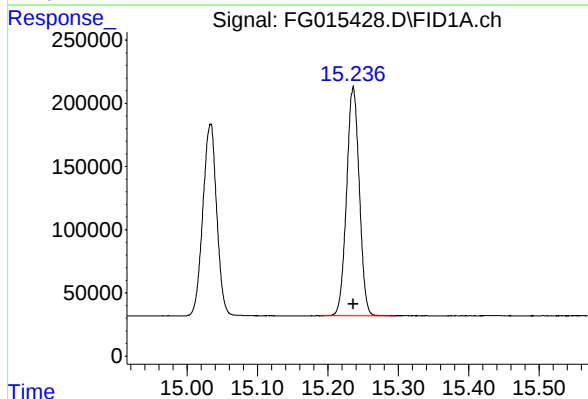
R.T.: 14.131 min  
Delta R.T.: 0.000 min  
Response: 2288772  
Conc: 19.77 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

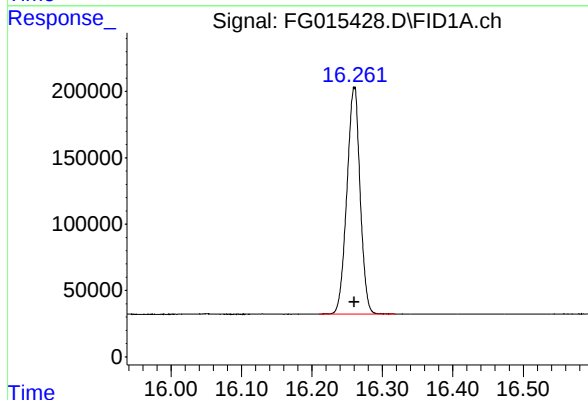
R.T.: 15.033 min  
Delta R.T.: 0.000 min  
Response: 2074987  
Conc: 19.75 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 TRPH STD



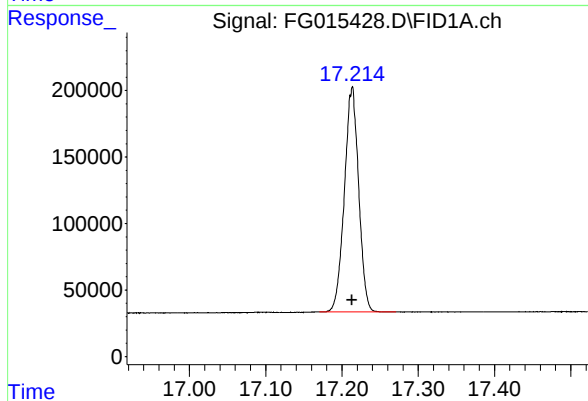
#10 N-TETRACOSANE

R.T.: 15.236 min  
Delta R.T.: 0.000 min  
Response: 2273407  
Conc: 19.75 ug/ml



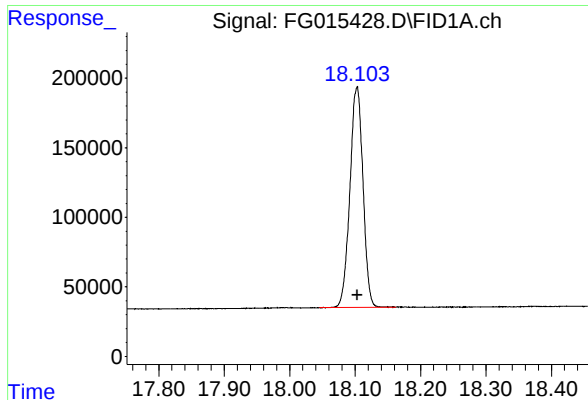
#11 N-HEXACOSANE

R.T.: 16.260 min  
Delta R.T.: 0.000 min  
Response: 2233591  
Conc: 19.78 ug/ml



#12 N-OCTACOSANE

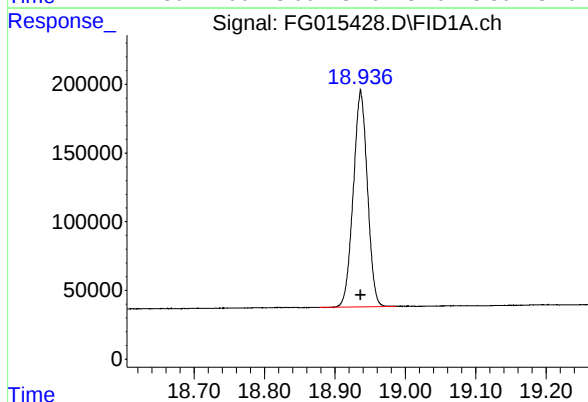
R.T.: 17.213 min  
Delta R.T.: 0.000 min  
Response: 2200912  
Conc: 19.89 ug/ml



#13 N-TRIACONTANE

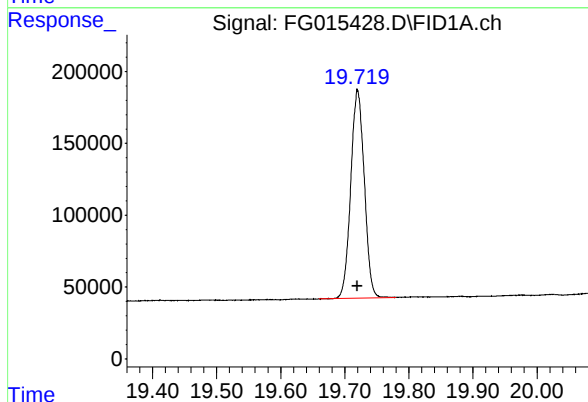
R.T.: 18.103 min  
Delta R.T.: 0.000 min  
Response: 2201361  
Conc: 20.02 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 TRPH STD



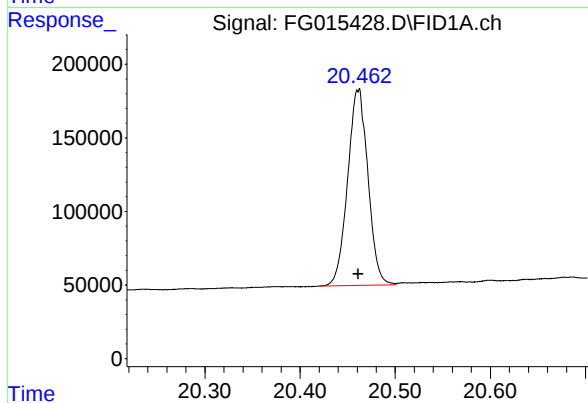
#14 N-DOTRIACONTANE

R.T.: 18.937 min  
Delta R.T.: 0.000 min  
Response: 2193441  
Conc: 20.28 ug/ml



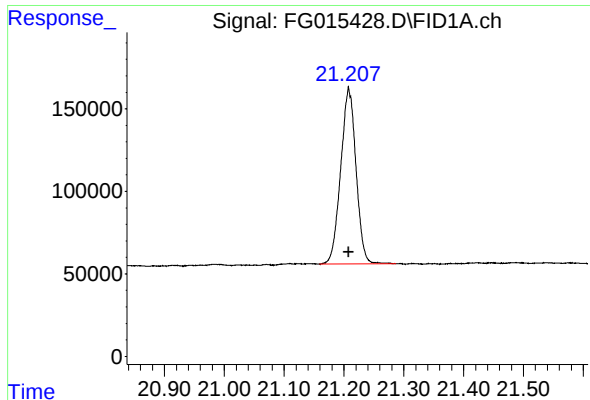
#15 N-TETRATRIACONTANE

R.T.: 19.720 min  
Delta R.T.: 0.000 min  
Response: 2127511  
Conc: 20.97 ug/ml



#16 N-HEXATRIACONTANE

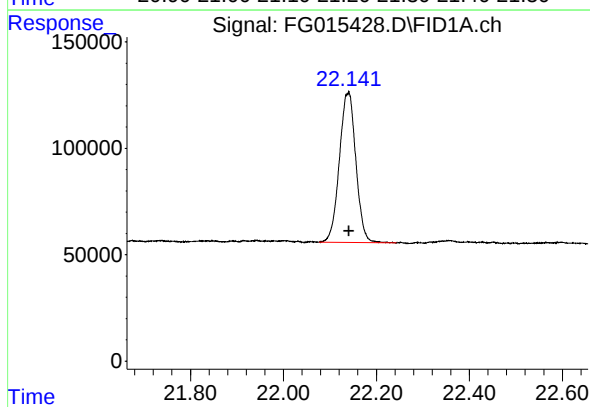
R.T.: 20.461 min  
Delta R.T.: 0.000 min  
Response: 1988145  
Conc: 21.91 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.208 min  
Delta R.T.: 0.000 min  
Response: 1897196  
Conc: 22.97 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.140 min  
Delta R.T.: 0.000 min  
Response: 1736732  
Conc: 23.87 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015428.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 12:46  
Sample : 20 TRPH STD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Title :

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                       | 1.995       | 1.958        | 2.092      | BB       | 176911         | 2148272      | 90.85%         | 5.508%        |
| 2                       | 4.532       | 4.492        | 4.611      | BB       | 206925         | 2177756      | 92.09%         | 5.584%        |
| 3                       | 6.714       | 6.684        | 6.785      | BB       | 220617         | 2260955      | 95.61%         | 5.797%        |
| 4                       | 8.550       | 8.516        | 8.628      | BB       | 210226         | 2229154      | 94.27%         | 5.716%        |
| 5                       | 10.164      | 10.128       | 10.223     | BB       | 204739         | 2282146      | 96.51%         | 5.852%        |
| 6                       | 11.613      | 11.578       | 11.663     | BB       | 208205         | 2364724      | 100.00%        | 6.063%        |
| 7                       | 12.927      | 12.855       | 12.997     | BB       | 196430         | 2320604      | 98.13%         | 5.950%        |
| 8                       | 14.131      | 14.051       | 14.189     | BB       | 189095         | 2288772      | 96.79%         | 5.869%        |
| 9                       | 15.033      | 14.978       | 15.103     | BB       | 151271         | 2074987      | 87.75%         | 5.321%        |
| 10                      | 15.236      | 15.188       | 15.297     | BB       | 181219         | 2273407      | 96.14%         | 5.829%        |
| 11                      | 16.260      | 16.210       | 16.319     | BB       | 170302         | 2233591      | 94.45%         | 5.727%        |
| 12                      | 17.213      | 17.170       | 17.271     | BB       | 169119         | 2200912      | 93.07%         | 5.643%        |
| 13                      | 18.103      | 18.045       | 18.163     | BB       | 158748         | 2201361      | 93.09%         | 5.645%        |
| 14                      | 18.937      | 18.878       | 18.987     | BB       | 157872         | 2193441      | 92.76%         | 5.624%        |
| 15                      | 19.720      | 19.660       | 19.780     | BV       | 144198         | 2127511      | 89.97%         | 5.455%        |
| 16                      | 20.461      | 20.420       | 20.501     | BV       | 132042         | 1988145      | 84.08%         | 5.098%        |
| 17                      | 21.208      | 21.159       | 21.287     | PV       | 105790         | 1897196      | 80.23%         | 4.865%        |
| 18                      | 22.140      | 22.077       | 22.242     | PV       | 70549          | 1736732      | 73.44%         | 4.453%        |
| Sum of corrected areas: |             |              |            |          |                |              | 38999663       |               |

FG030325.M Tue Mar 04 04:35:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015429.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 13:16  
 Operator : YP\AJ  
 Sample : 10 TRPH STD  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 10 TRPH STD

Integration File: autoint1.e  
 Quant Time: Mar 03 13:42:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Quant Title :  
 QLast Update : Mon Mar 03 12:56:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.031 | 1127859  | 10.738 ug/ml |
| Target Compounds              |        |          |              |
| 1) N-OCTANE                   | 1.995  | 1157492  | 11.115 ug/ml |
| 2) N-DECANE                   | 4.532  | 1169448  | 11.001 ug/ml |
| 3) N-DODECANE                 | 6.714  | 1215352  | 10.911 ug/ml |
| 4) N-TETRADECANE              | 8.550  | 1198081  | 10.828 ug/ml |
| 5) N-HEXADECANE               | 10.165 | 1231825  | 10.790 ug/ml |
| 6) N-OCTADECANE               | 11.612 | 1286162  | 10.805 ug/ml |
| 7) N-EICOSANE                 | 12.927 | 1256413  | 10.728 ug/ml |
| 8) N-DOCOSANE                 | 14.130 | 1241010  | 10.720 ug/ml |
| 10) N-TETRACOSANE             | 15.235 | 1241496  | 10.788 ug/ml |
| 11) N-HEXACOSANE              | 16.259 | 1217452  | 10.784 ug/ml |
| 12) N-OCTACOSANE              | 17.213 | 1204505  | 10.883 ug/ml |
| 13) N-TRIACONTANE             | 18.102 | 1221633  | 11.111 ug/ml |
| 14) N-DOTRIACONTANE           | 18.935 | 1217726  | 11.258 ug/ml |
| 15) N-TETRATRIACONTANE        | 19.721 | 1136390  | 11.200 ug/ml |
| 16) N-HEXATRIACONTANE         | 20.461 | 1021219  | 11.256 ug/ml |
| 17) N-OCTATRIACONTANE         | 21.207 | 959048   | 11.613 ug/ml |
| 18) N-TETRACONTANE            | 22.139 | 944468   | 12.980 ug/ml |
| -----                         |        |          |              |

(f)=RT Delta > 1/2 Window

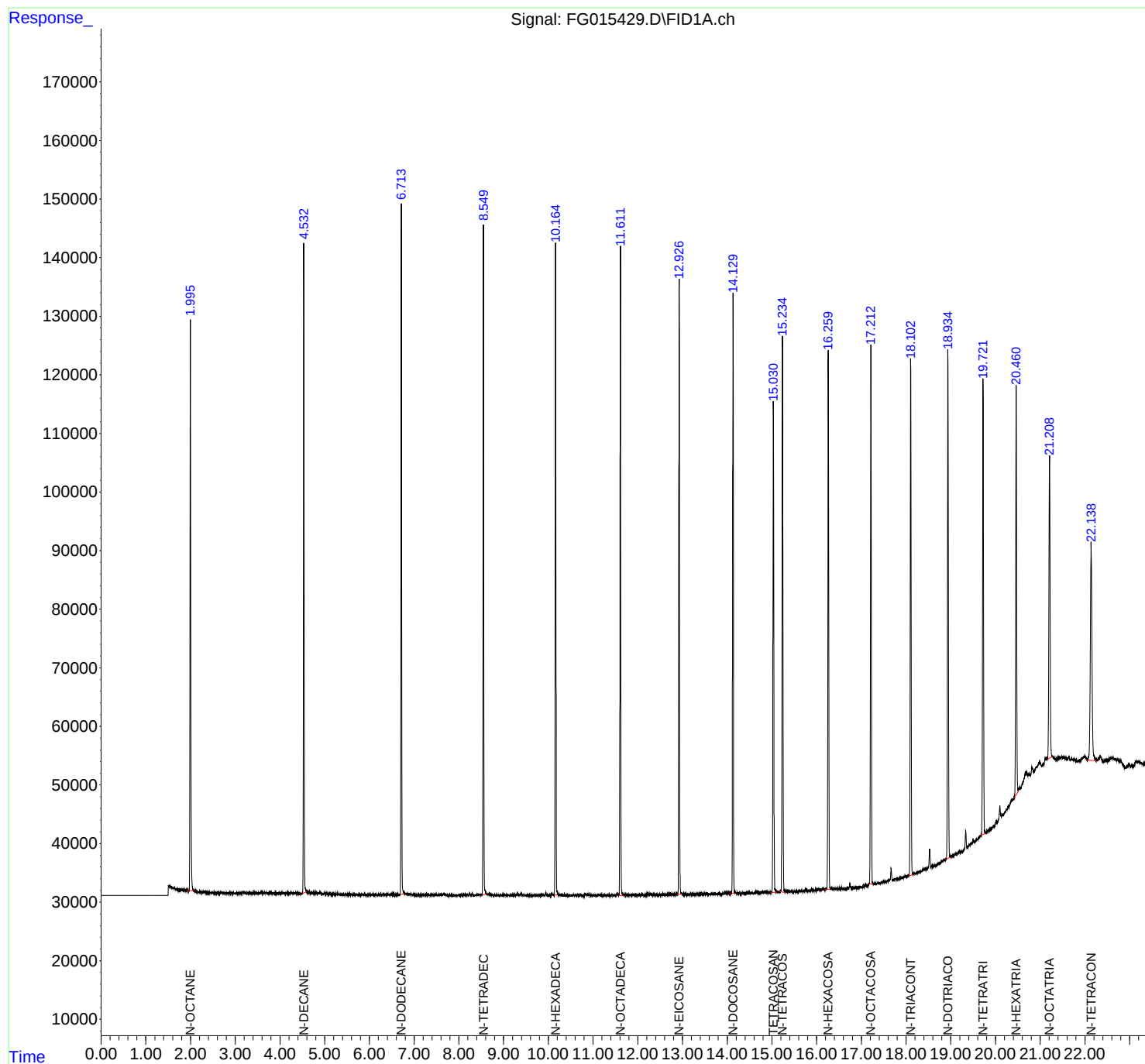
(m)=manual int.

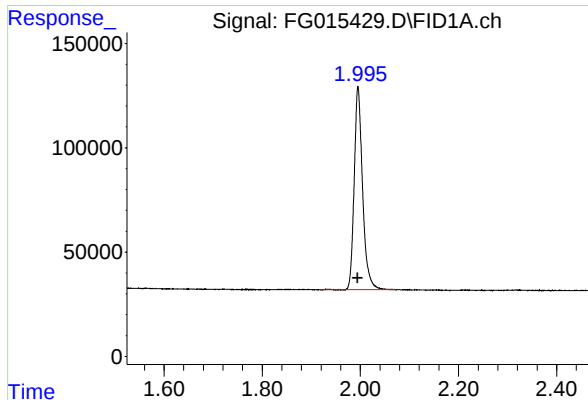
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015429.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 13:16  
Operator : YP\AJ  
Sample : 10 TRPH STD  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
10 TRPH STD

Integration File: autoint1.e  
Quant Time: Mar 03 13:42:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Quant Title :  
QLast Update : Mon Mar 03 12:56:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

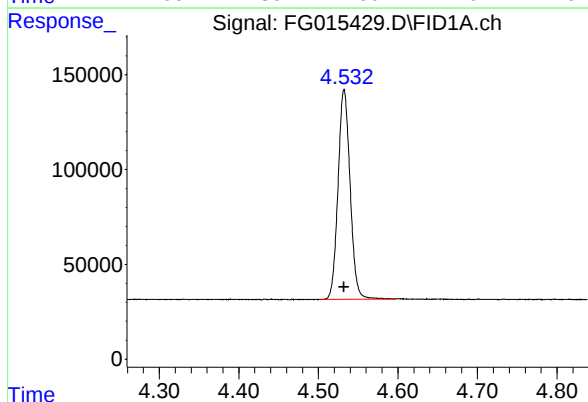




#1 N-OCTANE

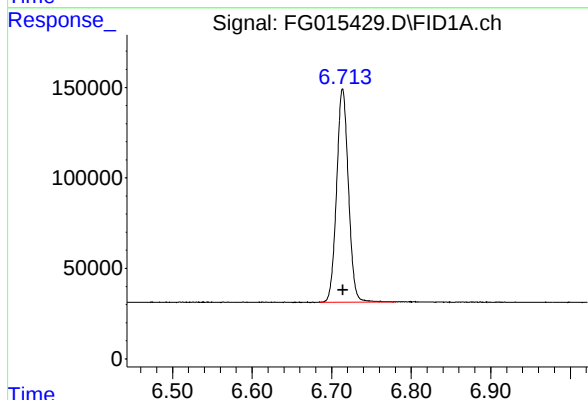
R.T.: 1.995 min  
Delta R.T.: 0.000 min  
Response: 1157492  
Conc: 11.11 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 TRPH STD



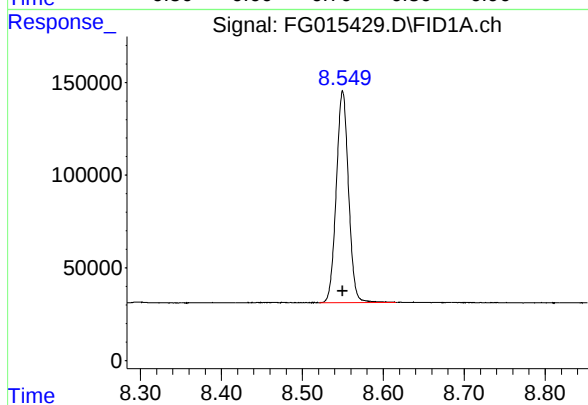
#2 N-DECANE

R.T.: 4.532 min  
Delta R.T.: 0.000 min  
Response: 1169448  
Conc: 11.00 ug/ml



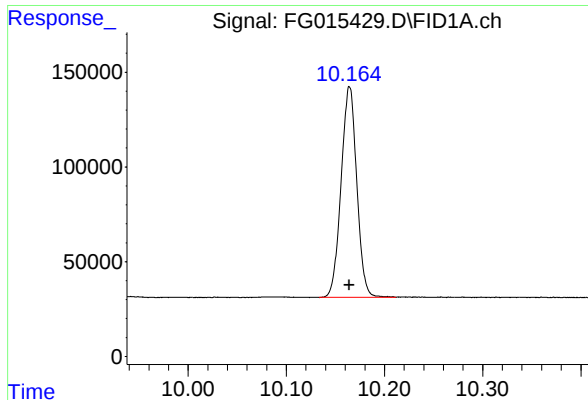
#3 N-DODECANE

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 1215352  
Conc: 10.91 ug/ml



#4 N-TETRADECANE

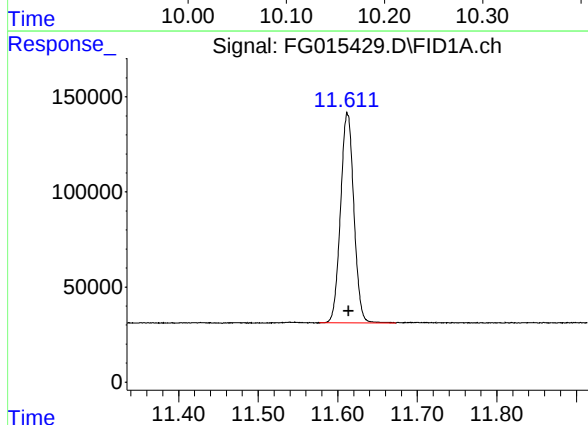
R.T.: 8.550 min  
Delta R.T.: 0.000 min  
Response: 1198081  
Conc: 10.83 ug/ml



#5 N-HEXADECANE

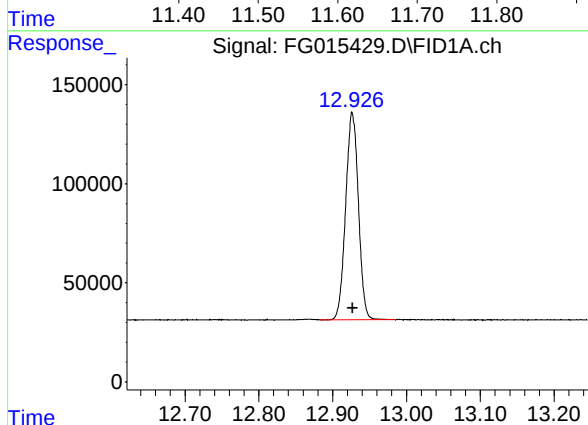
R.T.: 10.165 min  
Delta R.T.: 0.000 min  
Response: 1231825  
Conc: 10.79 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 TRPH STD



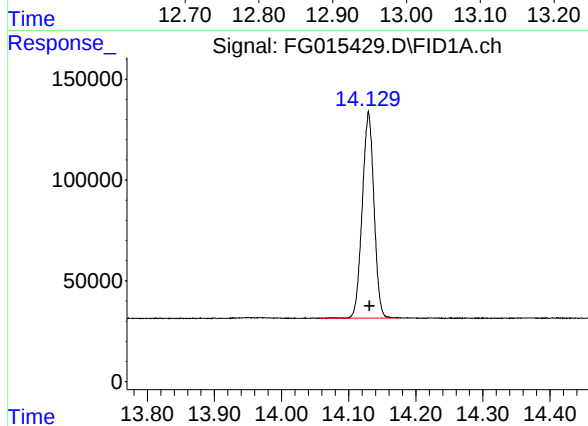
#6 N-OCTADECANE

R.T.: 11.612 min  
Delta R.T.: -0.001 min  
Response: 1286162  
Conc: 10.80 ug/ml



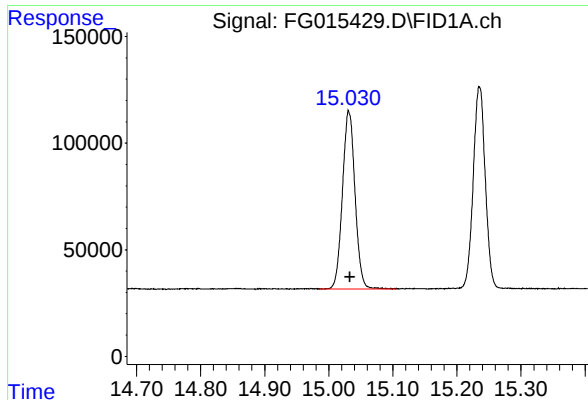
#7 N-EICOSANE

R.T.: 12.927 min  
Delta R.T.: 0.000 min  
Response: 1256413  
Conc: 10.73 ug/ml



#8 N-DOCOSANE

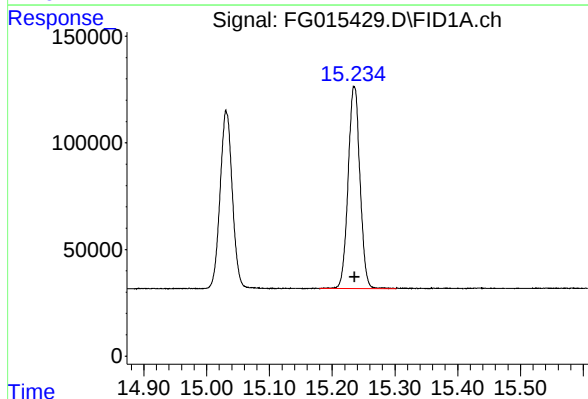
R.T.: 14.130 min  
Delta R.T.: -0.001 min  
Response: 1241010  
Conc: 10.72 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

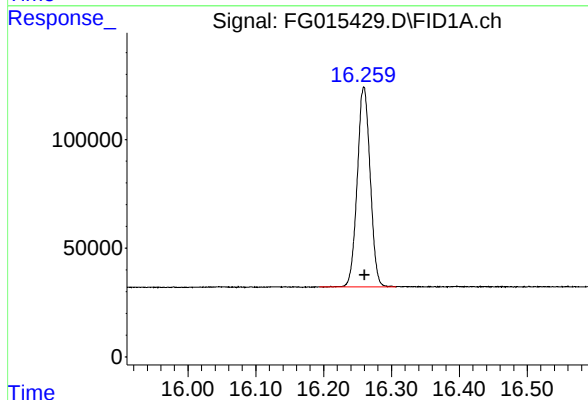
R.T.: 15.031 min  
Delta R.T.: -0.002 min  
Response: 1127859  
Conc: 10.74 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 TRPH STD



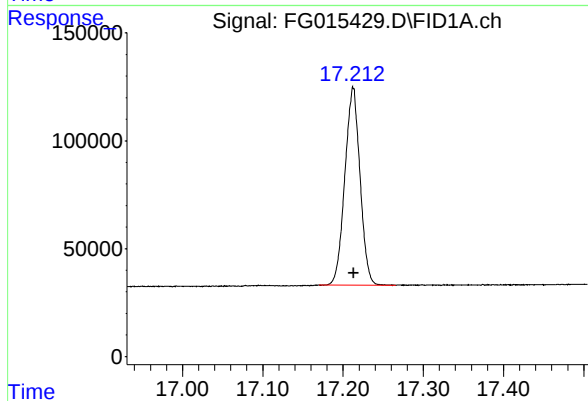
#10 N-TETRACOSANE

R.T.: 15.235 min  
Delta R.T.: 0.000 min  
Response: 1241496  
Conc: 10.79 ug/ml



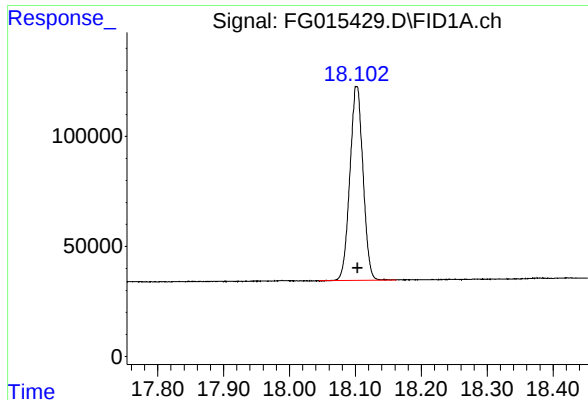
#11 N-HEXACOSANE

R.T.: 16.259 min  
Delta R.T.: -0.001 min  
Response: 1217452  
Conc: 10.78 ug/ml



#12 N-OCTACOSANE

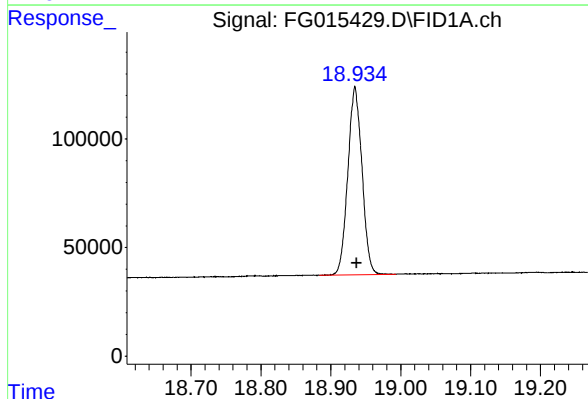
R.T.: 17.213 min  
Delta R.T.: 0.000 min  
Response: 1204505  
Conc: 10.88 ug/ml



#13 N-TRIACONTANE

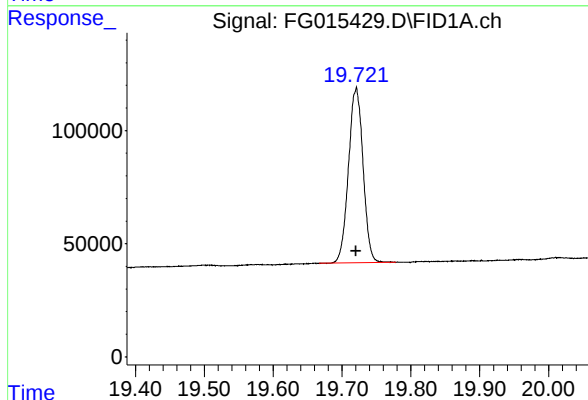
R.T.: 18.102 min  
Delta R.T.: 0.000 min  
Response: 1221633  
Conc: 11.11 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 TRPH STD



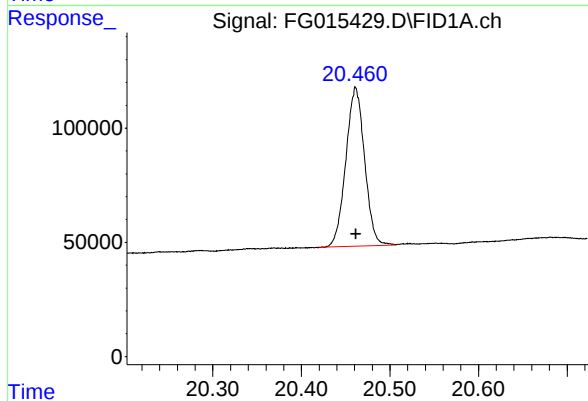
#14 N-DOTRIACONTANE

R.T.: 18.935 min  
Delta R.T.: -0.002 min  
Response: 1217726  
Conc: 11.26 ug/ml



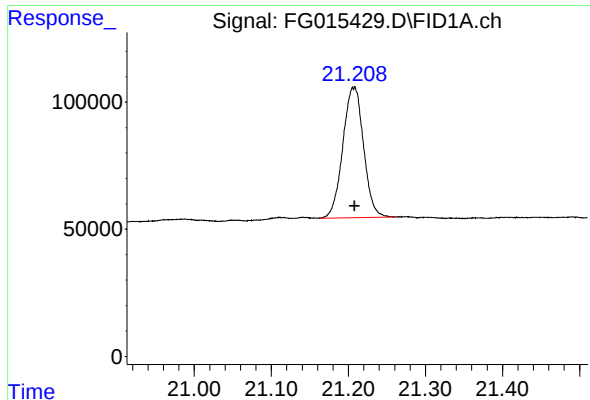
#15 N-TETRATRIACONTANE

R.T.: 19.721 min  
Delta R.T.: 0.000 min  
Response: 1136390  
Conc: 11.20 ug/ml



#16 N-HEXATRIACONTANE

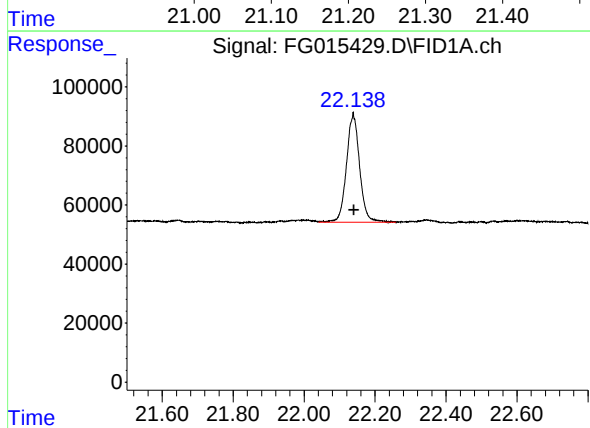
R.T.: 20.461 min  
Delta R.T.: 0.000 min  
Response: 1021219  
Conc: 11.26 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.207 min  
Delta R.T.: 0.000 min  
Response: 959048  
Conc: 11.61 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.139 min  
Delta R.T.: -0.002 min  
Response: 944468  
Conc: 12.98 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015429.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 13:16  
 Sample : 10 TRPH STD  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Title :

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                       | 1.995       | 1.916        | 2.073      | BB       | 97394          | 1157492      | 90.00%         | 5.499%        |
| 2                       | 4.532       | 4.501        | 4.598      | BB       | 110922         | 1169448      | 90.93%         | 5.556%        |
| 3                       | 6.714       | 6.684        | 6.781      | BB       | 117974         | 1215352      | 94.49%         | 5.774%        |
| 4                       | 8.550       | 8.521        | 8.616      | BB       | 113981         | 1198081      | 93.15%         | 5.692%        |
| 5                       | 10.165      | 10.133       | 10.212     | BB       | 111301         | 1231825      | 95.78%         | 5.853%        |
| 6                       | 11.612      | 11.577       | 11.673     | BB       | 109600         | 1286162      | 100.00%        | 6.111%        |
| 7                       | 12.927      | 12.882       | 12.986     | BB       | 104438         | 1256413      | 97.69%         | 5.969%        |
| 8                       | 14.130      | 14.056       | 14.170     | BB       | 101948         | 1241010      | 96.49%         | 5.896%        |
| 9                       | 15.031      | 14.985       | 15.105     | BB       | 82702          | 1127859      | 87.69%         | 5.359%        |
| 10                      | 15.235      | 15.179       | 15.302     | BB       | 94460          | 1241496      | 96.53%         | 5.899%        |
| 11                      | 16.259      | 16.193       | 16.307     | BB       | 92020          | 1217452      | 94.66%         | 5.784%        |
| 12                      | 17.213      | 17.170       | 17.266     | BB       | 91615          | 1204505      | 93.65%         | 5.723%        |
| 13                      | 18.102      | 18.045       | 18.162     | BB       | 88189          | 1221633      | 94.98%         | 5.804%        |
| 14                      | 18.935      | 18.883       | 18.993     | BV       | 86833          | 1217726      | 94.68%         | 5.786%        |
| 15                      | 19.721      | 19.667       | 19.778     | BB       | 77535          | 1136390      | 88.36%         | 5.399%        |
| 16                      | 20.461      | 20.420       | 20.507     | BV       | 69773          | 1021219      | 79.40%         | 4.852%        |
| 17                      | 21.207      | 21.162       | 21.262     | PV       | 50751          | 959048       | 74.57%         | 4.557%        |
| 18                      | 22.139      | 22.042       | 22.259     | VV       | 37132          | 944468       | 73.43%         | 4.487%        |
| Sum of corrected areas: |             |              |            |          |                | 21047577     |                |               |

FG030325.M Tue Mar 04 04:36:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015430.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 13:45  
 Operator : YP\AJ  
 Sample : 5 TRPH STD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 5 TRPH STD

Integration File: autoint1.e  
 Quant Time: Mar 03 14:05:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Quant Title :  
 QLast Update : Mon Mar 03 14:05:07 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units  |
|-------------------------------|--------|----------|-------------|
| -----                         |        |          |             |
| System Monitoring Compounds   |        |          |             |
| 9) S TETRACOSANE-d50 (SURR... | 15.031 | 582412   | 5.349 ug/ml |
| Target Compounds              |        |          |             |
| 1) N-OCTANE                   | 1.996  | 607303   | 5.525 ug/ml |
| 2) N-DECANE                   | 4.532  | 602630   | 5.416 ug/ml |
| 3) N-DODECANE                 | 6.714  | 627003   | 5.395 ug/ml |
| 4) N-TETRADECANE              | 8.550  | 621997   | 5.398 ug/ml |
| 5) N-HEXADECANE               | 10.164 | 638977   | 5.384 ug/ml |
| 6) N-OCTADECANE               | 11.612 | 667549   | 5.390 ug/ml |
| 7) N-EICOSANE                 | 12.926 | 651839   | 5.366 ug/ml |
| 8) N-DOCOSANE                 | 14.129 | 636203   | 5.314 ug/ml |
| 10) N-TETRACOSANE             | 15.235 | 638341   | 5.346 ug/ml |
| 11) N-HEXACOSANE              | 16.258 | 631568   | 5.382 ug/ml |
| 12) N-OCTACOSANE              | 17.211 | 631460   | 5.455 ug/ml |
| 13) N-TRIACONTANE             | 18.100 | 644513   | 5.547 ug/ml |
| 14) N-DOTRIACONTANE           | 18.935 | 653005   | 5.660 ug/ml |
| 15) N-TETRATRIACONTANE        | 19.719 | 594705   | 5.538 ug/ml |
| 16) N-HEXATRIACONTANE         | 20.459 | 525108   | 5.477 ug/ml |
| 17) N-OCTATRIACONTANE         | 21.205 | 512891   | 5.747 ug/ml |
| 18) N-TETRACONTANE            | 22.134 | 487248   | 5.994 ug/ml |
| -----                         |        |          |             |

(f)=RT Delta > 1/2 Window

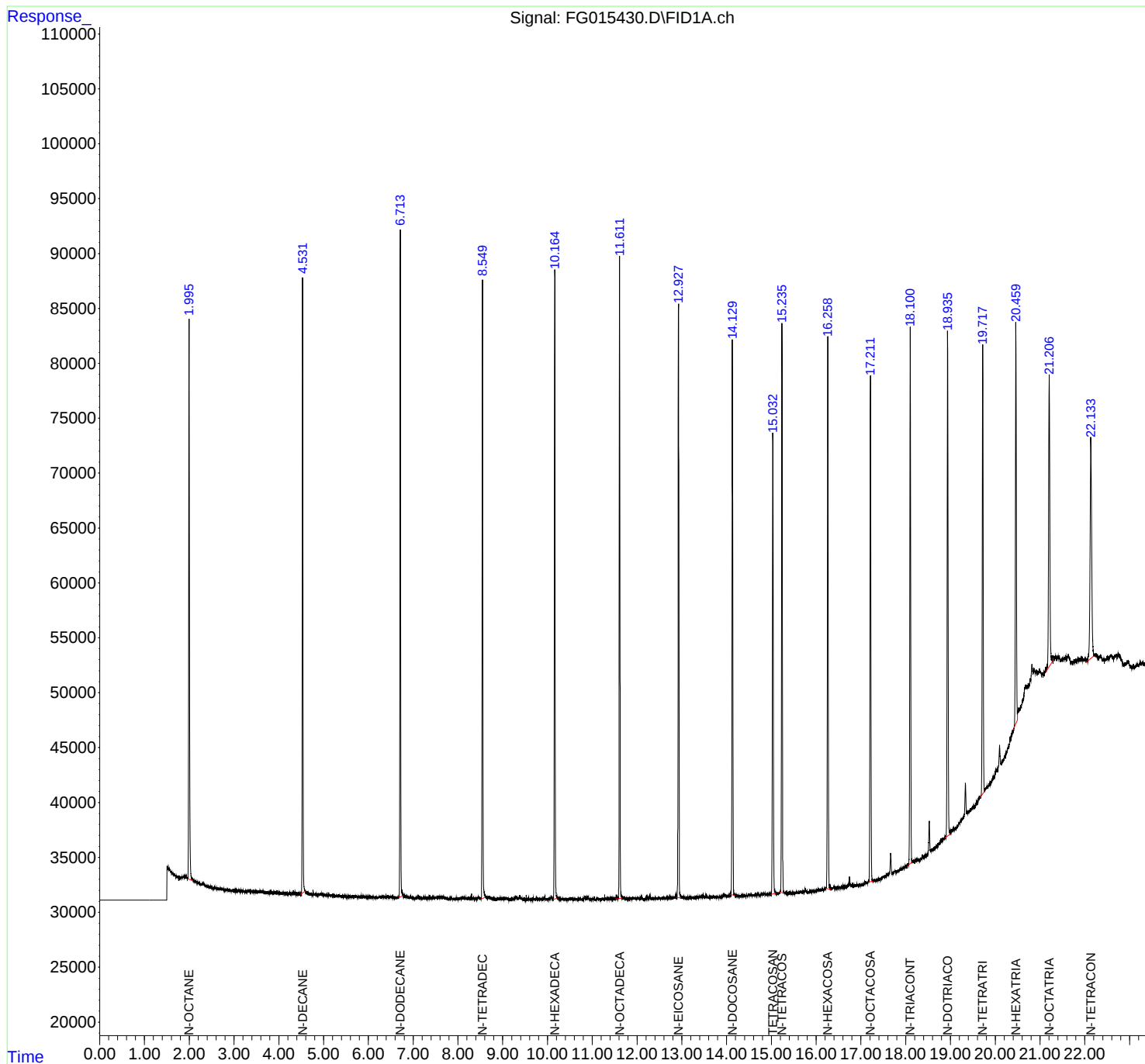
(m)=manual int.

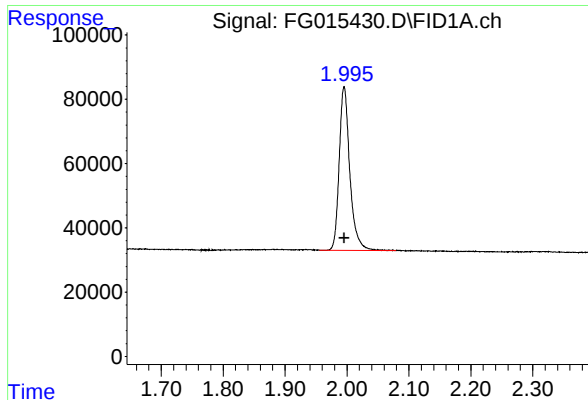
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015430.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 13:45  
Operator : YP\AJ  
Sample : 5 TRPH STD  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
5 TRPH STD

Integration File: autoint1.e  
Quant Time: Mar 03 14:05:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Quant Title :  
QLast Update : Mon Mar 03 14:05:07 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

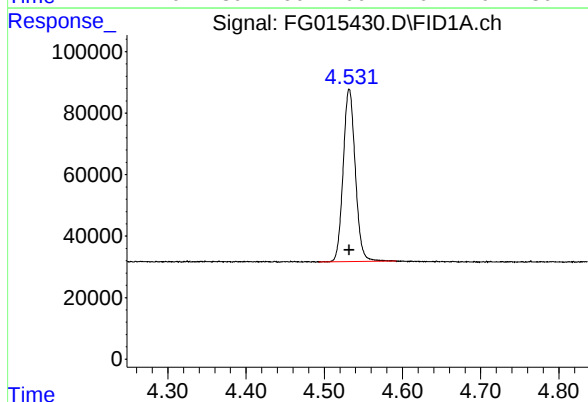




#1 N-OCTANE

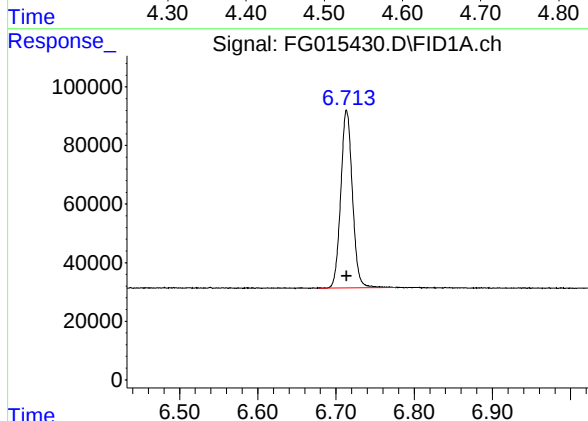
R.T.: 1.996 min  
Delta R.T.: 0.000 min  
Response: 607303  
Conc: 5.52 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 TRPH STD



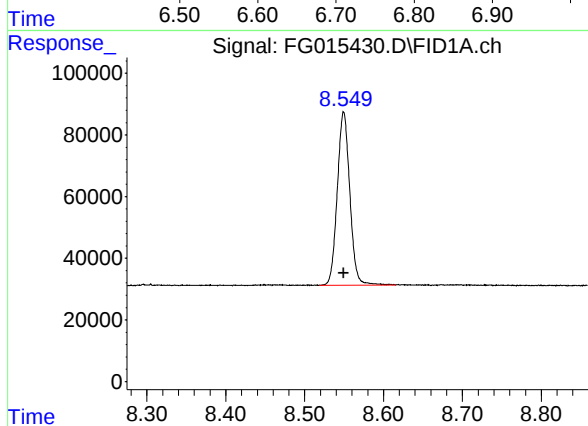
#2 N-DECANE

R.T.: 4.532 min  
Delta R.T.: 0.000 min  
Response: 602630  
Conc: 5.42 ug/ml



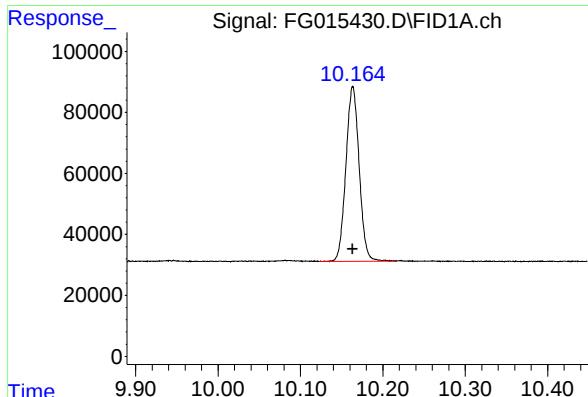
#3 N-DODECANE

R.T.: 6.714 min  
Delta R.T.: 0.000 min  
Response: 627003  
Conc: 5.40 ug/ml



#4 N-TETRADECANE

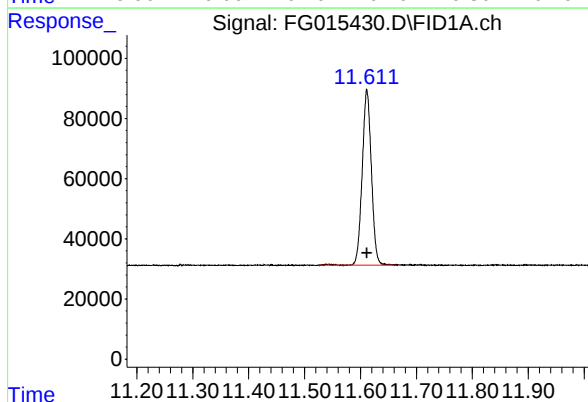
R.T.: 8.550 min  
Delta R.T.: 0.000 min  
Response: 621997  
Conc: 5.40 ug/ml



#5 N-HEXADECANE

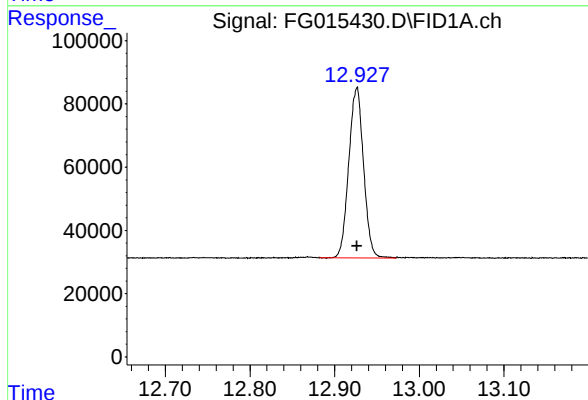
R.T.: 10.164 min  
Delta R.T.: 0.000 min  
Response: 638977  
Conc: 5.38 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 TRPH STD



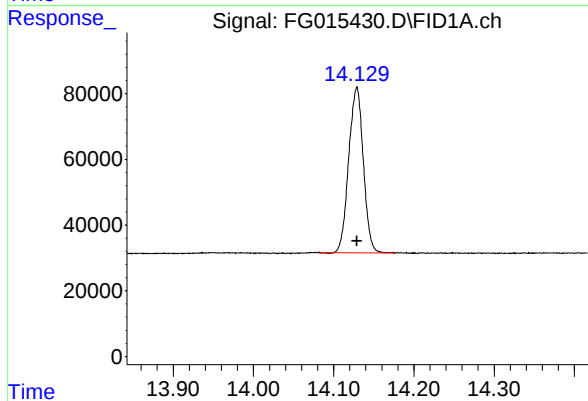
#6 N-OCTADECANE

R.T.: 11.612 min  
Delta R.T.: 0.000 min  
Response: 667549  
Conc: 5.39 ug/ml



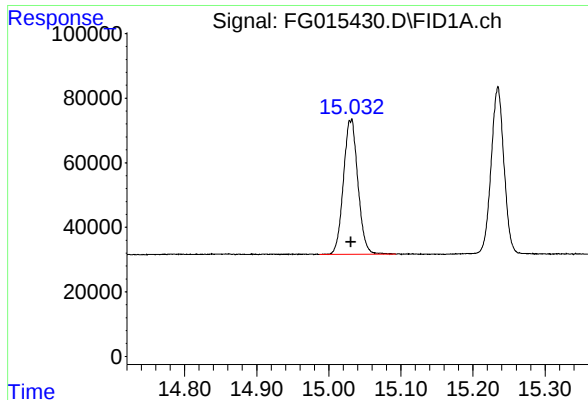
#7 N-EICOSANE

R.T.: 12.926 min  
Delta R.T.: 0.000 min  
Response: 651839  
Conc: 5.37 ug/ml



#8 N-DOCOSANE

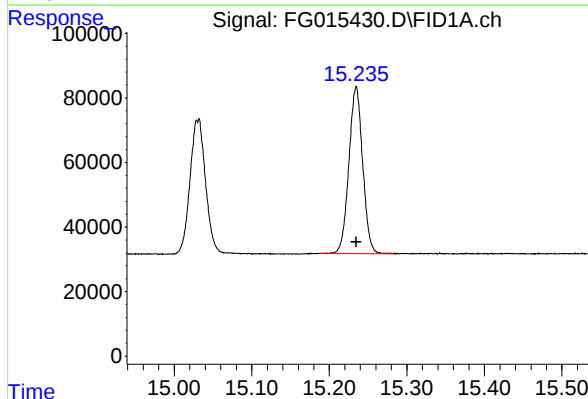
R.T.: 14.129 min  
Delta R.T.: 0.000 min  
Response: 636203  
Conc: 5.31 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

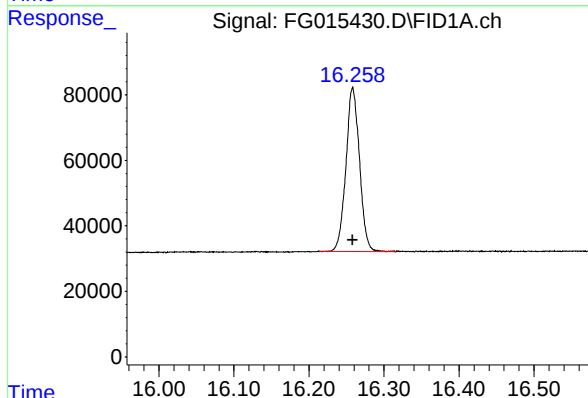
R.T.: 15.031 min  
Delta R.T.: 0.000 min  
Response: 582412  
Conc: 5.35 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 TRPH STD



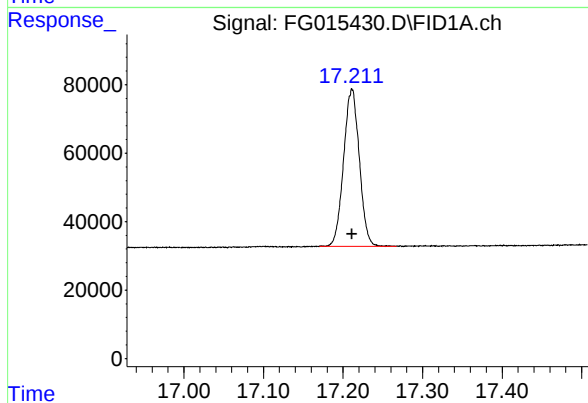
#10 N-TETRACOSANE

R.T.: 15.235 min  
Delta R.T.: 0.000 min  
Response: 638341  
Conc: 5.35 ug/ml



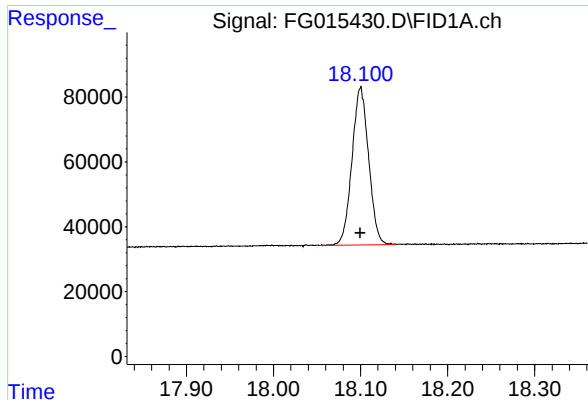
#11 N-HEXACOSANE

R.T.: 16.258 min  
Delta R.T.: 0.000 min  
Response: 631568  
Conc: 5.38 ug/ml



#12 N-OCTACOSANE

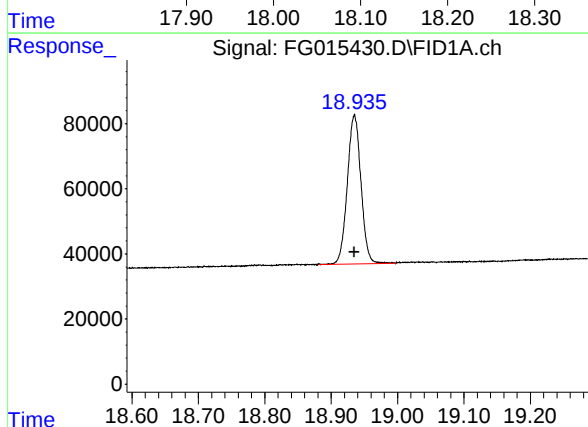
R.T.: 17.211 min  
Delta R.T.: 0.000 min  
Response: 631460  
Conc: 5.46 ug/ml



#13 N-TRIACONTANE

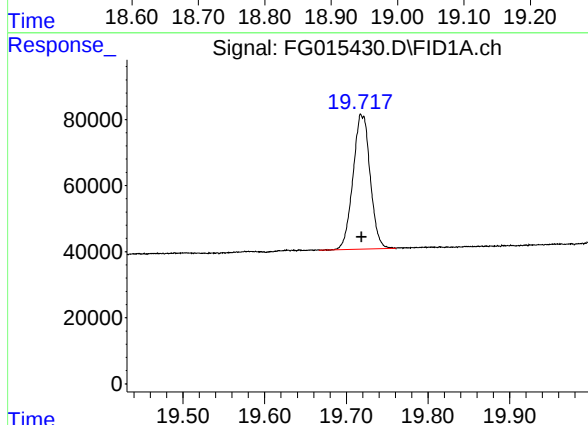
R.T.: 18.100 min  
Delta R.T.: 0.000 min  
Response: 644513  
Conc: 5.55 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 TRPH STD



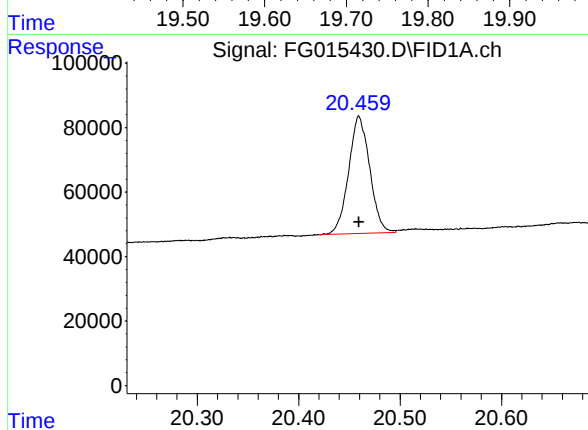
#14 N-DOTRIACONTANE

R.T.: 18.935 min  
Delta R.T.: 0.000 min  
Response: 653005  
Conc: 5.66 ug/ml



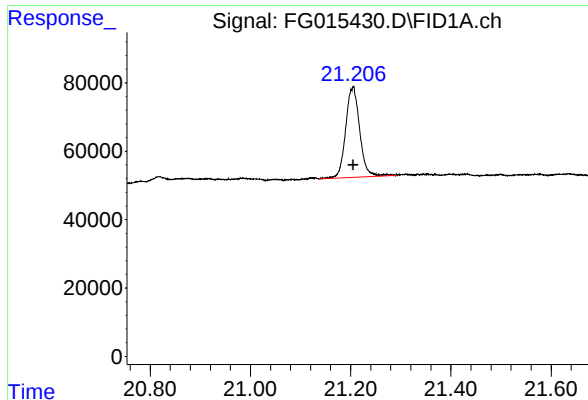
#15 N-TETRATRIACONTANE

R.T.: 19.719 min  
Delta R.T.: 0.000 min  
Response: 594705  
Conc: 5.54 ug/ml



#16 N-HEXATRIACONTANE

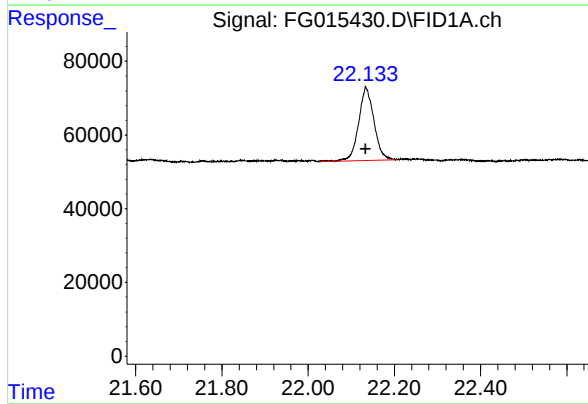
R.T.: 20.459 min  
Delta R.T.: 0.000 min  
Response: 525108  
Conc: 5.48 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.205 min  
Delta R.T.: 0.000 min  
Response: 512891  
Conc: 5.75 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.134 min  
Delta R.T.: 0.001 min  
Response: 487248  
Conc: 5.99 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015430.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 13:45  
 Sample : 5 TRPH STD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Title :

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                       | 1.996       | 1.955        | 2.079      | BB       | 50948          | 607303       | 90.98%         | 5.544%        |
| 2                       | 4.532       | 4.493        | 4.592      | BB       | 56085          | 602630       | 90.28%         | 5.501%        |
| 3                       | 6.714       | 6.678        | 6.777      | BB       | 60634          | 627003       | 93.93%         | 5.724%        |
| 4                       | 8.550       | 8.518        | 8.616      | BB       | 56297          | 621997       | 93.18%         | 5.678%        |
| 5                       | 10.164      | 10.123       | 10.216     | BB       | 57156          | 638977       | 95.72%         | 5.833%        |
| 6                       | 11.612      | 11.526       | 11.663     | BB       | 58296          | 667549       | 100.00%        | 6.094%        |
| 7                       | 12.926      | 12.882       | 12.973     | BB       | 54028          | 651839       | 97.65%         | 5.950%        |
| 8                       | 14.129      | 14.082       | 14.178     | BB       | 50555          | 636203       | 95.30%         | 5.808%        |
| 9                       | 15.031      | 14.987       | 15.093     | BB       | 41140          | 582412       | 87.25%         | 5.317%        |
| 10                      | 15.235      | 15.187       | 15.286     | BB       | 51964          | 638341       | 95.62%         | 5.827%        |
| 11                      | 16.258      | 16.213       | 16.316     | BB       | 50250          | 631568       | 94.61%         | 5.765%        |
| 12                      | 17.211      | 17.170       | 17.267     | BB       | 45758          | 631460       | 94.59%         | 5.764%        |
| 13                      | 18.100      | 18.053       | 18.141     | BB       | 48458          | 644513       | 96.55%         | 5.883%        |
| 14                      | 18.935      | 18.882       | 18.998     | BB       | 45815          | 653005       | 97.82%         | 5.961%        |
| 15                      | 19.719      | 19.667       | 19.761     | BB       | 40506          | 594705       | 89.09%         | 5.429%        |
| 16                      | 20.459      | 20.420       | 20.496     | BV       | 36464          | 525108       | 78.66%         | 4.793%        |
| 17                      | 21.205      | 21.137       | 21.290     | PV       | 26585          | 512891       | 76.83%         | 4.682%        |
| 18                      | 22.134      | 22.025       | 22.204     | PV       | 19983          | 487248       | 72.99%         | 4.448%        |
| Sum of corrected areas: |             |              |            |          |                |              | 10954752       |               |

FG030325.M Tue Mar 04 04:36:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
 Data File : FG015431.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Mar 2025 14:14  
 Operator : YP\AJ  
 Sample : FG030325ICV  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 FG030325ICV

Integration File: autoint1.e  
 Quant Time: Mar 03 14:23:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
 Quant Title :  
 QLast Update : Mon Mar 03 14:06:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.034 | 5263594  | 48.344 ug/ml |
| Target Compounds              |        |          |              |
| 1) N-OCTANE                   | 1.994  | 5256960  | 47.822 ug/ml |
| 2) N-DECANE                   | 4.533  | 5337269  | 47.965 ug/ml |
| 3) N-DODECANE                 | 6.716  | 5569532  | 47.923 ug/ml |
| 4) N-TETRADECANE              | 8.552  | 5518504  | 47.892 ug/ml |
| 5) N-HEXADECANE               | 10.166 | 5694355  | 47.976 ug/ml |
| 6) N-OCTADECANE               | 11.615 | 5937044  | 47.939 ug/ml |
| 7) N-EICOSANE                 | 12.930 | 5852161  | 48.178 ug/ml |
| 8) N-DOCOSANE                 | 14.133 | 5795980  | 48.409 ug/ml |
| 10) N-TETRACOSANE             | 15.240 | 5777408  | 48.381 ug/ml |
| 11) N-HEXACOSANE              | 16.263 | 5673674  | 48.349 ug/ml |
| 12) N-OCTACOSANE              | 17.215 | 5564382  | 48.071 ug/ml |
| 13) N-TRIACONTANE             | 18.104 | 5525262  | 47.557 ug/ml |
| 14) N-DOTRIACONTANE           | 18.939 | 5396274  | 46.773 ug/ml |
| 15) N-TETRATRIACONTANE        | 19.723 | 4919040  | 45.803 ug/ml |
| 16) N-HEXATRIACONTANE         | 20.463 | 4197870  | 43.789 ug/ml |
| 17) N-OCTATRIACONTANE         | 21.207 | 3585023  | 40.170 ug/ml |
| 18) N-TETRACONTANE            | 22.139 | 2930060  | 35.716 ug/ml |
| -----                         |        |          |              |

(f)=RT Delta > 1/2 Window

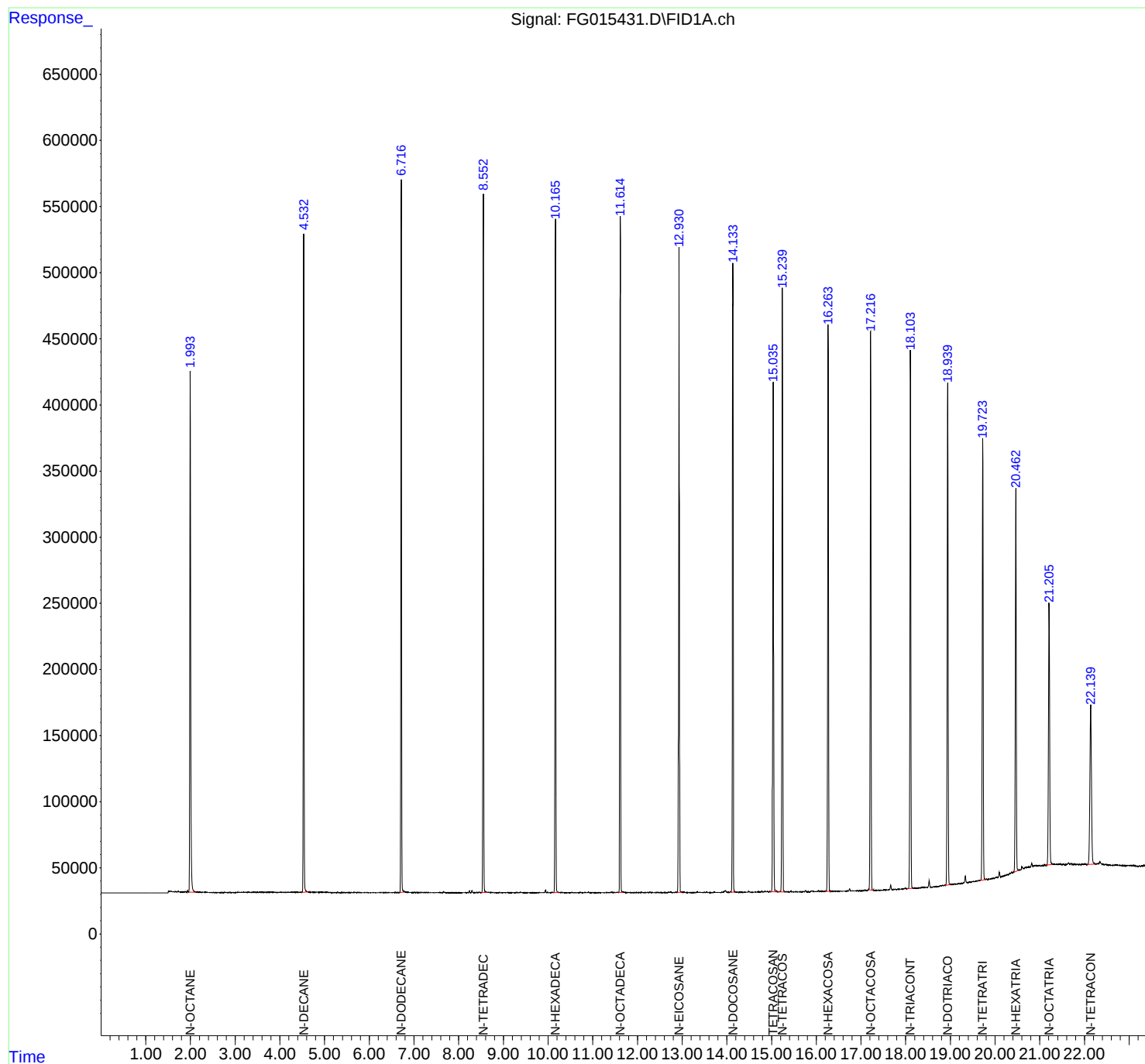
(m)=manual int.

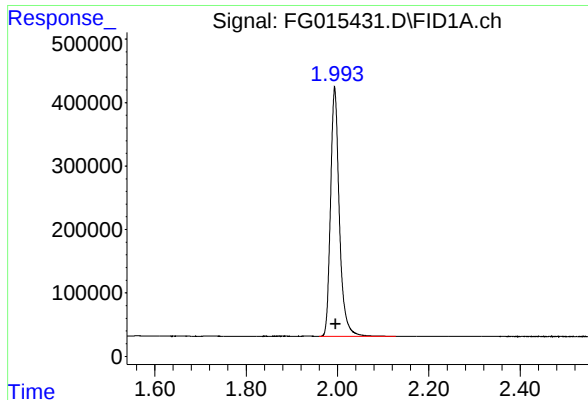
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015431.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 14:14  
Operator : YP\AJ  
Sample : FG030325ICV  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
FG030325ICV

Integration File: autoint1.e  
Quant Time: Mar 03 14:23:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Quant Title :  
QLast Update : Mon Mar 03 14:06:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

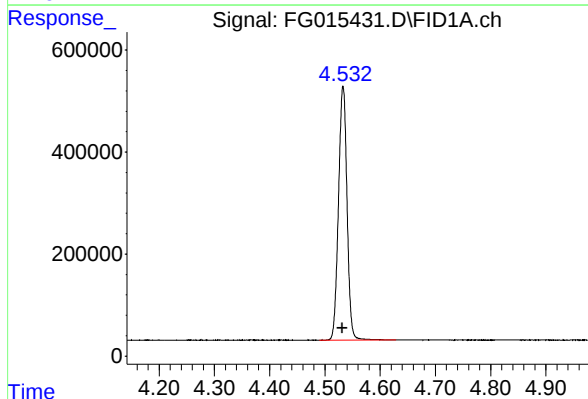




#1 N-OCTANE

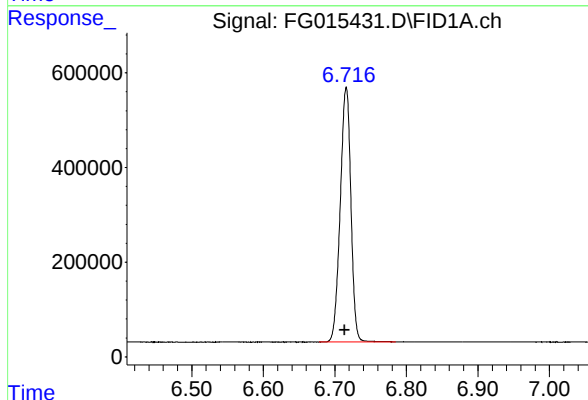
R.T.: 1.994 min  
Delta R.T.: -0.002 min  
Response: 5256960  
Conc: 47.82 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
FG030325ICV



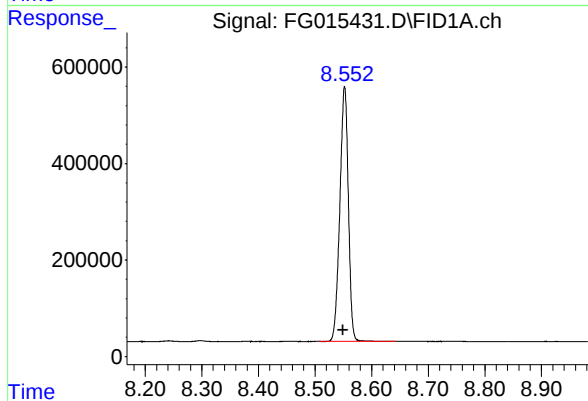
#2 N-DECANE

R.T.: 4.533 min  
Delta R.T.: 0.000 min  
Response: 5337269  
Conc: 47.97 ug/ml



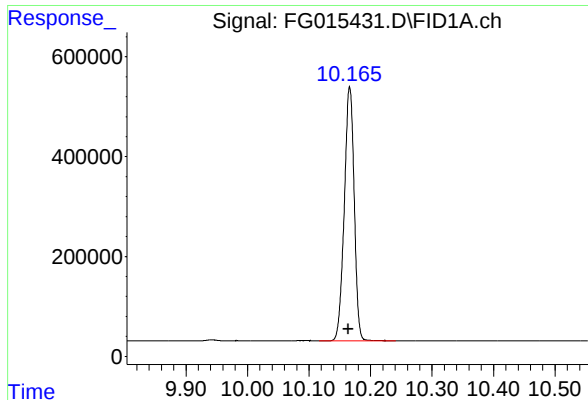
#3 N-DODECANE

R.T.: 6.716 min  
Delta R.T.: 0.002 min  
Response: 5569532  
Conc: 47.92 ug/ml



#4 N-TETRADECANE

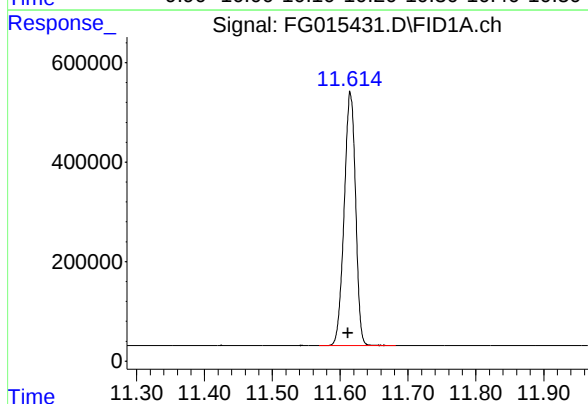
R.T.: 8.552 min  
Delta R.T.: 0.003 min  
Response: 5518504  
Conc: 47.89 ug/ml



#5 N-HEXADECANE

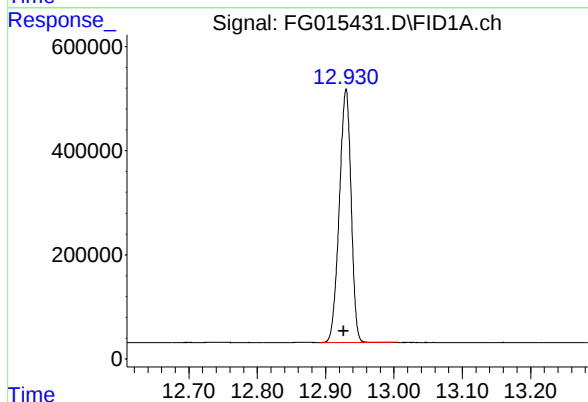
R.T.: 10.166 min  
Delta R.T.: 0.003 min  
Response: 5694355  
Conc: 47.98 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
FG030325ICV



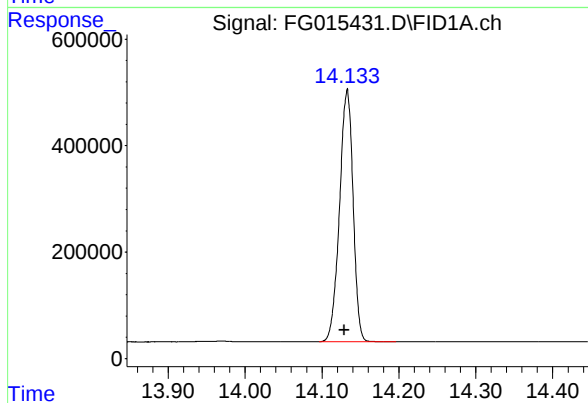
#6 N-OCTADECANE

R.T.: 11.615 min  
Delta R.T.: 0.003 min  
Response: 5937044  
Conc: 47.94 ug/ml



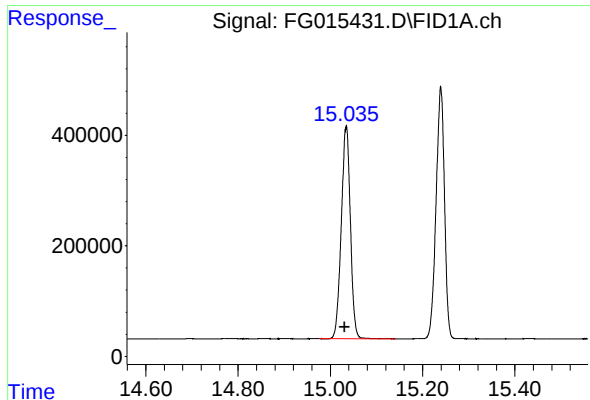
#7 N-EICOSANE

R.T.: 12.930 min  
Delta R.T.: 0.004 min  
Response: 5852161  
Conc: 48.18 ug/ml



#8 N-DOCOSANE

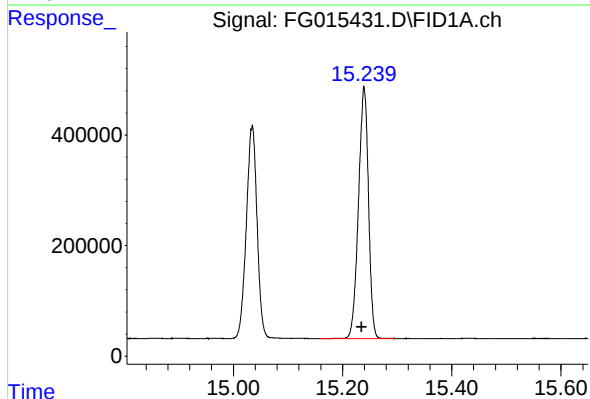
R.T.: 14.133 min  
Delta R.T.: 0.004 min  
Response: 5795980  
Conc: 48.41 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

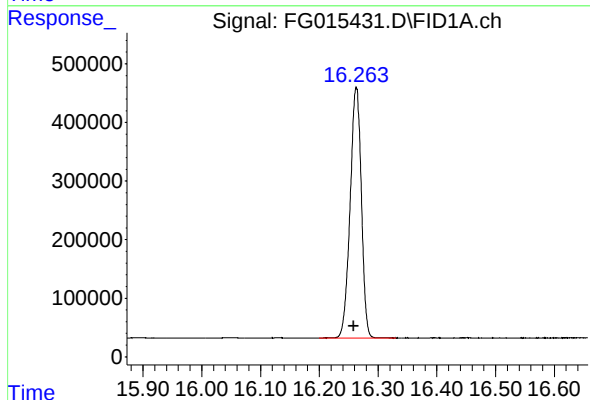
R.T.: 15.034 min  
Delta R.T.: 0.003 min  
Response: 5263594  
Conc: 48.34 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
FG030325ICV



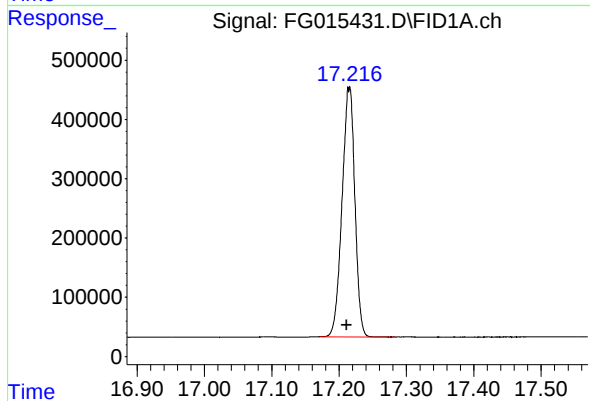
#10 N-TETRACOSANE

R.T.: 15.240 min  
Delta R.T.: 0.005 min  
Response: 5777408  
Conc: 48.38 ug/ml



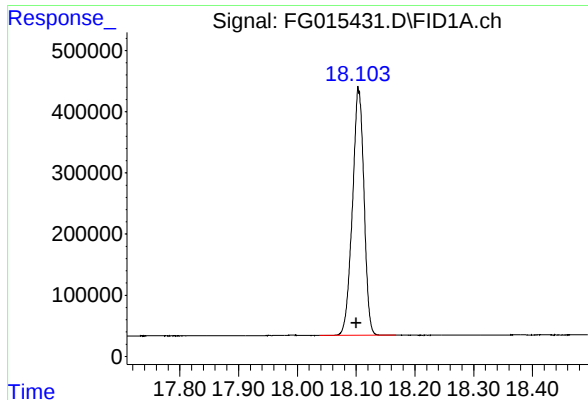
#11 N-HEXACOSANE

R.T.: 16.263 min  
Delta R.T.: 0.005 min  
Response: 5673674  
Conc: 48.35 ug/ml



#12 N-OCTACOSANE

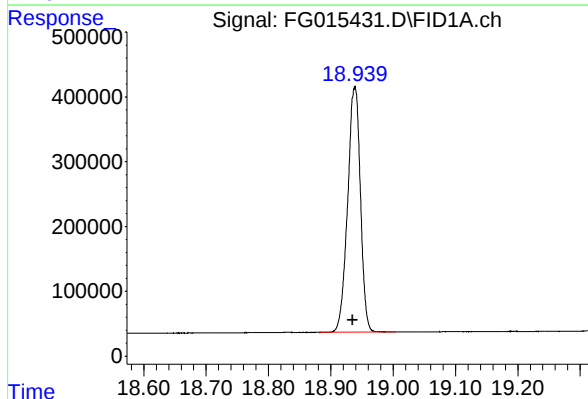
R.T.: 17.215 min  
Delta R.T.: 0.004 min  
Response: 5564382  
Conc: 48.07 ug/ml



#13 N-TRIACONTANE

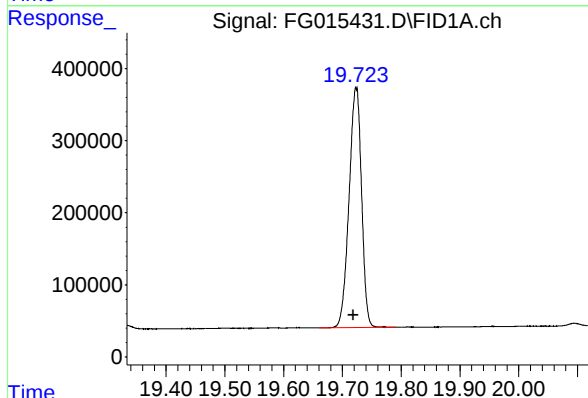
R.T.: 18.104 min  
Delta R.T.: 0.004 min  
Response: 5525262  
Conc: 47.56 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
FG030325ICV



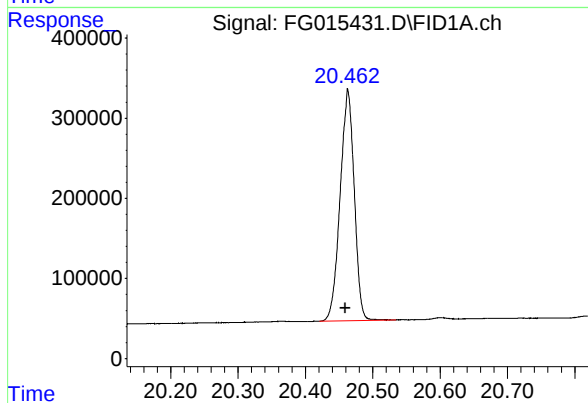
#14 N-DOTRIACONTANE

R.T.: 18.939 min  
Delta R.T.: 0.004 min  
Response: 5396274  
Conc: 46.77 ug/ml



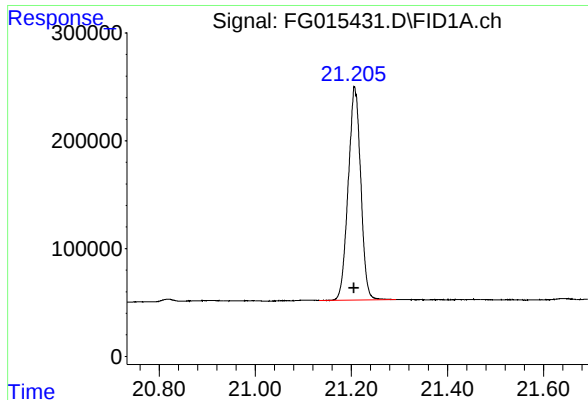
#15 N-TETRATRIACONTANE

R.T.: 19.723 min  
Delta R.T.: 0.005 min  
Response: 4919040  
Conc: 45.80 ug/ml



#16 N-HEXATRIACONTANE

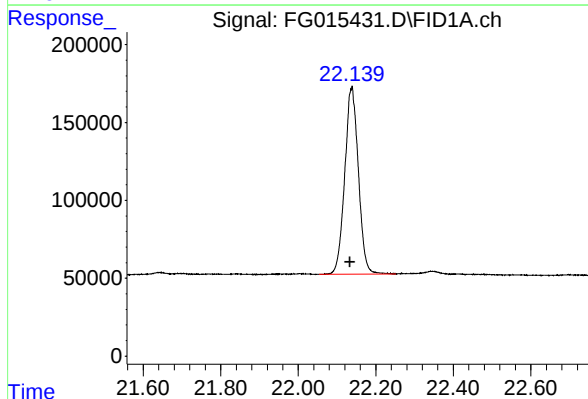
R.T.: 20.463 min  
Delta R.T.: 0.004 min  
Response: 4197870  
Conc: 43.79 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.207 min  
Delta R.T.: 0.002 min  
Response: 3585023  
Conc: 40.17 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
FG030325ICV



#18 N-TETRACONTANE

R.T.: 22.139 min  
Delta R.T.: 0.005 min  
Response: 2930060  
Conc: 35.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG030325\  
Data File : FG015431.D  
Signal(s) : FID1A.ch  
Acq On : 03 Mar 2025 14:14  
Sample : FG030325ICV  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030325.M  
Title :

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                       | 1.994       | 1.960        | 2.128      | BB       | 393787         | 5256960      | 88.55%         | 5.605%        |
| 2                       | 4.533       | 4.490        | 4.629      | BB       | 497238         | 5337269      | 89.90%         | 5.690%        |
| 3                       | 6.716       | 6.678        | 6.785      | BB       | 538643         | 5569532      | 93.81%         | 5.938%        |
| 4                       | 8.552       | 8.507        | 8.643      | BB       | 528326         | 5518504      | 92.95%         | 5.884%        |
| 5                       | 10.166      | 10.116       | 10.241     | BB       | 507834         | 5694355      | 95.91%         | 6.071%        |
| 6                       | 11.615      | 11.569       | 11.682     | BB       | 505253         | 5937044      | 100.00%        | 6.330%        |
| 7                       | 12.930      | 12.890       | 13.003     | BB       | 488202         | 5852161      | 98.57%         | 6.239%        |
| 8                       | 14.133      | 14.096       | 14.196     | BB       | 474618         | 5795980      | 97.62%         | 6.179%        |
| 9                       | 15.034      | 14.975       | 15.142     | BB       | 384520         | 5263594      | 88.66%         | 5.612%        |
| 10                      | 15.240      | 15.157       | 15.298     | BB       | 454904         | 5777408      | 97.31%         | 6.160%        |
| 11                      | 16.263      | 16.200       | 16.330     | BB       | 428199         | 5673674      | 95.56%         | 6.049%        |
| 12                      | 17.215      | 17.170       | 17.285     | BB       | 417958         | 5564382      | 93.72%         | 5.933%        |
| 13                      | 18.104      | 18.037       | 18.168     | BB       | 402928         | 5525262      | 93.06%         | 5.891%        |
| 14                      | 18.939      | 18.881       | 19.005     | BB       | 378532         | 5396274      | 90.89%         | 5.753%        |
| 15                      | 19.723      | 19.660       | 19.791     | BB       | 332312         | 4919040      | 82.85%         | 5.244%        |
| 16                      | 20.463      | 20.420       | 20.535     | BB       | 286989         | 4197870      | 70.71%         | 4.476%        |
| 17                      | 21.207      | 21.133       | 21.293     | BB       | 197532         | 3585023      | 60.38%         | 3.822%        |
| 18                      | 22.139      | 22.054       | 22.252     | BV       | 120391         | 2930060      | 49.35%         | 3.124%        |
| Sum of corrected areas: |             |              |            |          |                |              | 93794391       |               |

FG030325.M Tue Mar 04 04:37:35 2025