

Initial Calibration Report for SequenceID : FG031725AR

**AreaCount**

| Parameter Range  | FG015502.D    | FG015503.D    | FG015504.D   | FG015505.D   | FG015506.D   |  |
|------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aromatic C10-C12 | 26308403.000  | 13646067.000  | 5356264.000  | 2672678.000  | 1344384.000  |  |
| Aromatic C12-C16 | 40492472.000  | 20940760.000  | 8286344.000  | 4096782.000  | 2047703.000  |  |
| Aromatic C16-C21 | 54529163.000  | 28172992.000  | 11190203.000 | 5588718.000  | 2805377.000  |  |
| Aromatic C21-C36 | 113166303.000 | 58525947.000  | 23420337.000 | 11832868.000 | 6011171.000  |  |
| Aromatic EPH     | 234496341.000 | 121285766.000 | 48253148.000 | 24191046.000 | 12208635.000 |  |

**AVG Response Factor**

| Parameter Range  | AVG RF         | % RSD |  |  |  |  |
|------------------|----------------|-------|--|--|--|--|
| Aromatic C10-C12 | 133996.317     | 1.316 |  |  |  |  |
| Aromatic C12-C16 | 137151.7279996 | 1.285 |  |  |  |  |
| Aromatic C16-C21 | 139410.441     | 1.278 |  |  |  |  |
| Aromatic C21-C36 | 130193.7737774 | 2.205 |  |  |  |  |
| Aromatic EPH     | 133824.0858888 | 1.549 |  |  |  |  |

**Concentration**

| Parameter Range  | FG015502.D | FG015503.D | FG015504.D | FG015505.D | FG015506.D |  |
|------------------|------------|------------|------------|------------|------------|--|
| Aromatic C10-C12 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aromatic C12-C16 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aromatic C16-C21 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aromatic C21-C36 | 900.000    | 450.000    | 180.000    | 90.000     | 45.000     |  |
| Aromatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range  | FG015502.D    | FG015503.D    | FG015504.D    | FG015505.D    | FG015506.D    |  |
|------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aromatic C10-C12 | 131542.015000 | 136460.670000 | 133906.600000 | 133633.900000 | 134438.400000 |  |
| Aromatic C12-C16 | 134974.906666 | 139605.066666 | 138105.733333 | 136559.400000 | 136513.533333 |  |
| Aromatic C16-C21 | 136322.907500 | 140864.960000 | 139877.537500 | 139717.950000 | 140268.850000 |  |
| Aromatic C21-C36 | 125740.336666 | 130057.660000 | 130112.983333 | 131476.311111 | 133581.577777 |  |
| Aromatic EPH     | 130275.745000 | 134761.962222 | 134036.522222 | 134394.700000 | 135651.500000 |  |

Lab Sample ID: 100 PPM AROMATIC HC

Acq On: 17 Mar 2025 17:32

Client Sample ID:

Operator: YP\AJ

Data file: FG015502.D

Misc:

Instrument: FID\_G

ALS Vial: 71

Dilution Factor: 1

Sample Multiplier: 1.00

| Compound         | R.T.   |        | Response      | Conc     | Units |
|------------------|--------|--------|---------------|----------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 26308403.000  | 200.000  | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.044  | 40492472.000  | 300.000  | ug/ml |
| Aromatic C16-C21 | 9.045  | 13.372 | 54529163.000  | 400.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.833 | 113166303.000 | 900.000  | ug/ml |
| Aromatic EPH     | 4.457  | 18.833 | 234496341.000 | 1800.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
 Data File : FG015502.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Mar 2025 17:32  
 Operator : YP\AJ  
 Sample : 100 PPM AROMATIC HC STD1  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 100 PPM AROMATIC HC STD1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
 Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e  
 Quant Time: Mar 18 05:05:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:03:12 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.974  | 12105537   | 98.595 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 197.19%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.853  | 8370393    | 99.475 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 198.95%#      |
| 11) S ortho-Terphenyl (SURR)       | 11.928 | 14012330   | 96.152 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 192.30%       |
|                                    |        |            |               |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.562  | 12840032   | 96.919 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.242  | 13468371   | 99.522 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.345  | 13313235   | 98.974 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.653  | 13783047   | 96.780 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.955  | 13396190   | 97.506 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.747  | 13800957   | 98.061 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.159 | 13756074   | 97.537 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.237 | 13373083   | 97.491 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.989 | 13778619   | 96.567 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.289 | 13599049   | 96.746 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.175 | 13331057   | 97.429 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.223 | 13202695   | 94.828 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.742 | 12963312   | 97.262 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.782 | 12883302   | 95.182 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.124 | 12183444   | 97.050 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.502 | 11677700   | 106.908 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.542 | 11521430   | 88.555 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.765 | 11624744   | 97.881 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015502.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 17:32  
Operator : YP\AJ  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

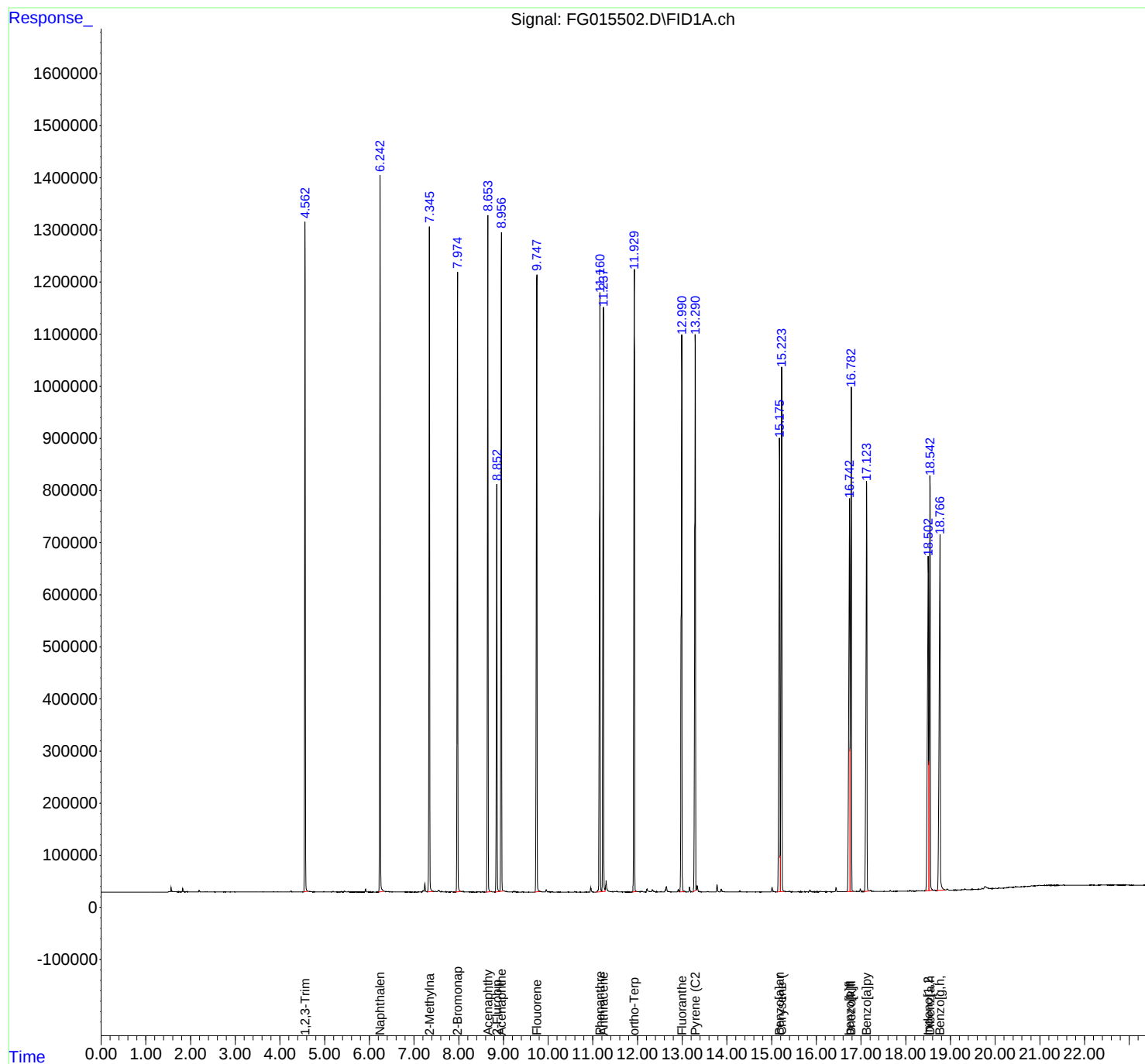
Instrument :  
FID\_G  
ClientSampleId :  
100 PPM AROMATIC HC STD1

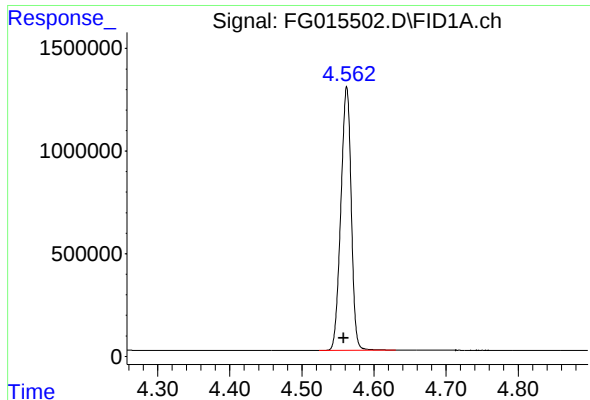
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e  
Quant Time: Mar 18 05:05:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:03:12 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.562 min  
Delta R.T.: 0.004 min  
Response: 12840032  
Conc: 96.92 ug/ml

Instrument :

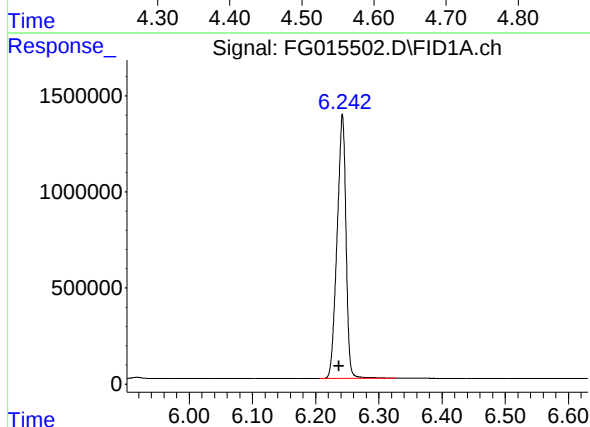
FID\_G

ClientSampleId :

100 PPM AROMATIC HC STD1

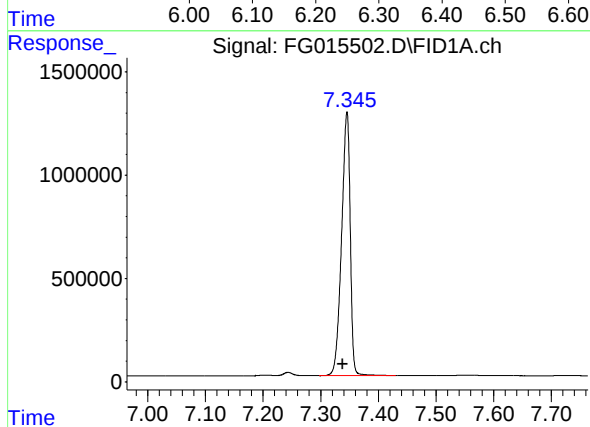
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



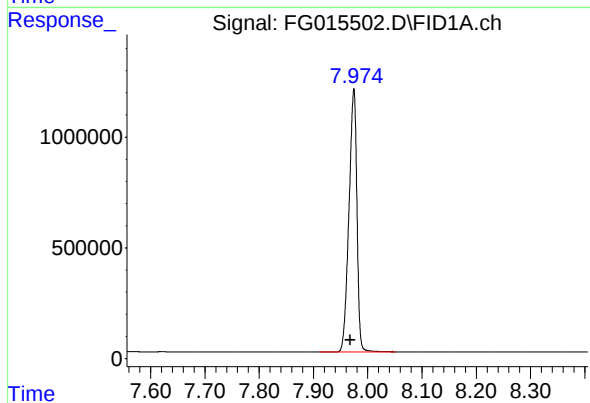
#2 Naphthalene (C11.7)

R.T.: 6.242 min  
Delta R.T.: 0.005 min  
Response: 13468371  
Conc: 99.52 ug/ml



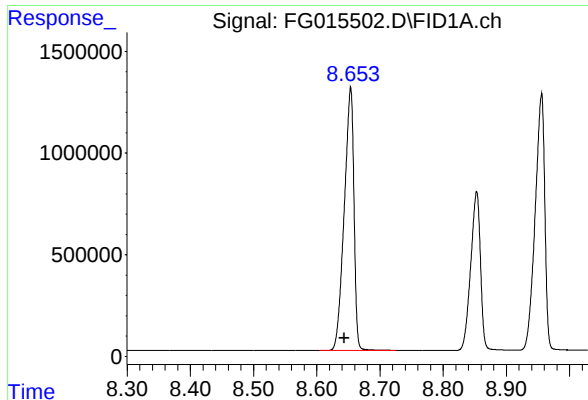
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.345 min  
Delta R.T.: 0.007 min  
Response: 13313235  
Conc: 98.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.974 min  
Delta R.T.: 0.006 min  
Response: 12105537  
Conc: 98.59 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.653 min  
Delta R.T.: 0.009 min  
Response: 13783047  
Conc: 96.78 ug/ml

Instrument :

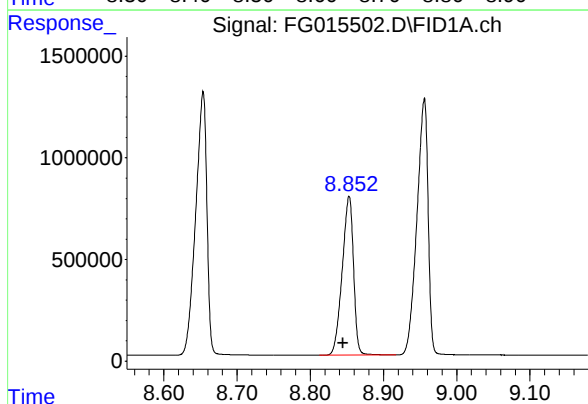
FID\_G

ClientSampleId :

100 PPM AROMATIC HC STD1

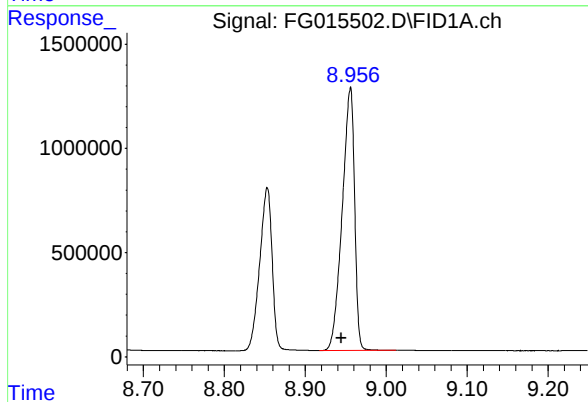
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



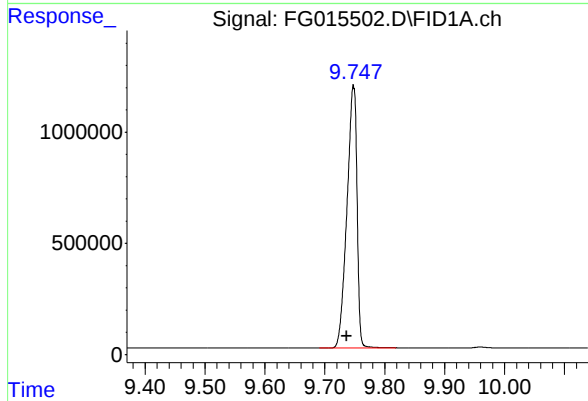
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.853 min  
Delta R.T.: 0.008 min  
Response: 8370393  
Conc: 99.48 ug/ml



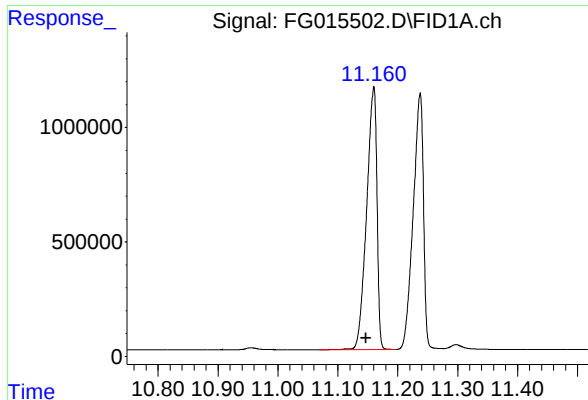
#7 Acenaphthene (C15.5)

R.T.: 8.955 min  
Delta R.T.: 0.011 min  
Response: 13396190  
Conc: 97.51 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.747 min  
Delta R.T.: 0.011 min  
Response: 13800957  
Conc: 98.06 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.159 min  
Delta R.T.: 0.012 min  
Response: 13756074  
Conc: 97.54 ug/ml

Instrument :

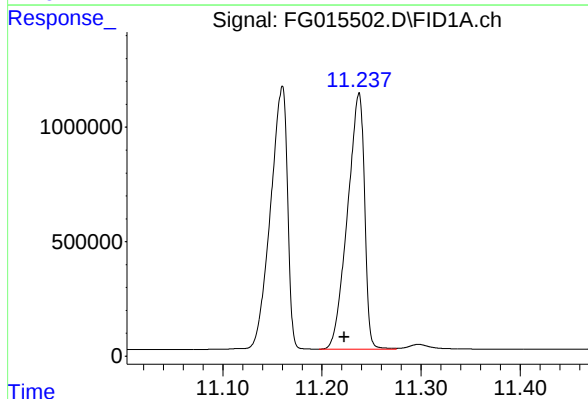
FID\_G

ClientSampleId :

100 PPM AROMATIC HC STD1

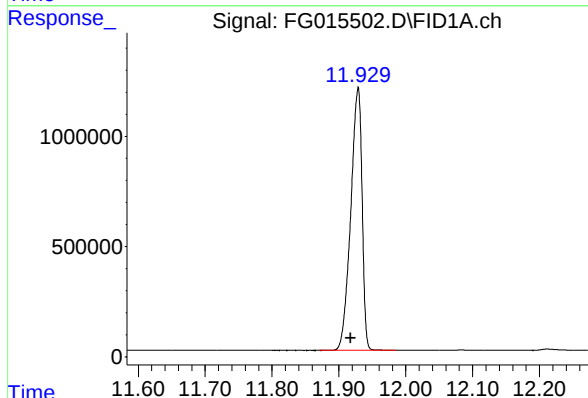
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



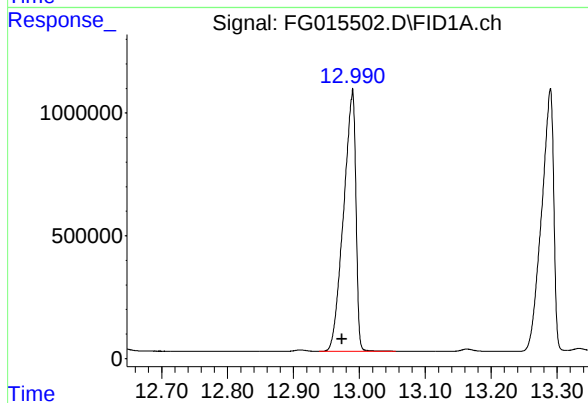
#10 Anthracene (C19.43)

R.T.: 11.237 min  
Delta R.T.: 0.014 min  
Response: 13373083  
Conc: 97.49 ug/ml



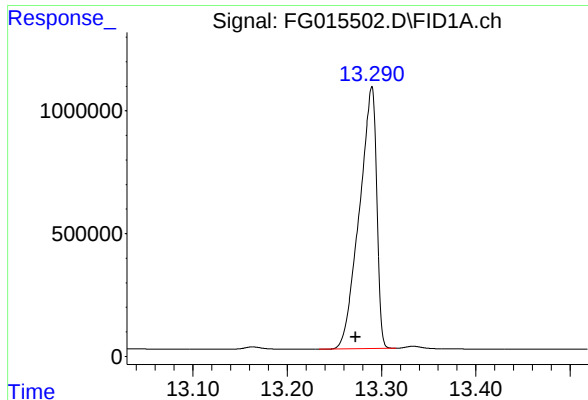
#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min  
Delta R.T.: 0.010 min  
Response: 14012330  
Conc: 96.15 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min  
Delta R.T.: 0.015 min  
Response: 13778619  
Conc: 96.57 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.289 min  
Delta R.T.: 0.016 min  
Response: 13599049  
Conc: 96.75 ug/ml

Instrument :

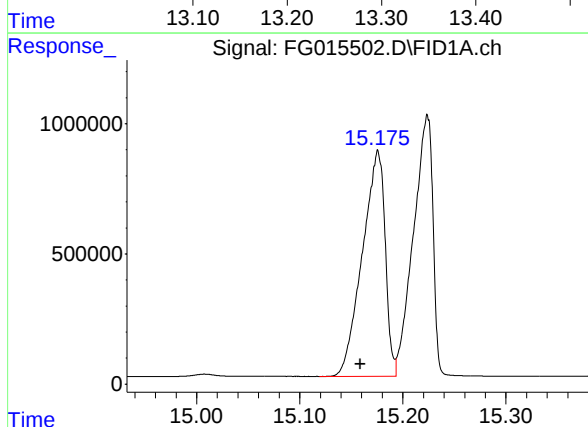
FID\_G

ClientSampleId :

100 PPM AROMATIC HC STD1

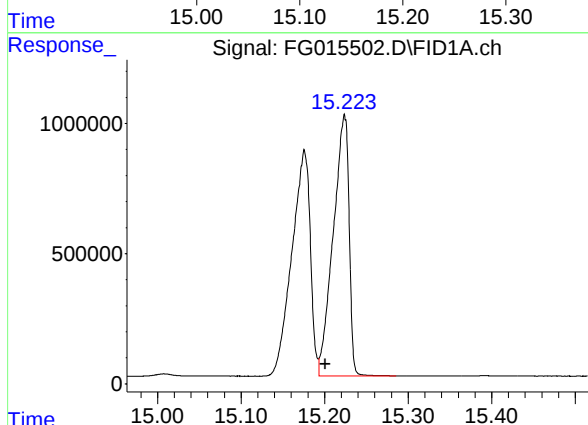
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



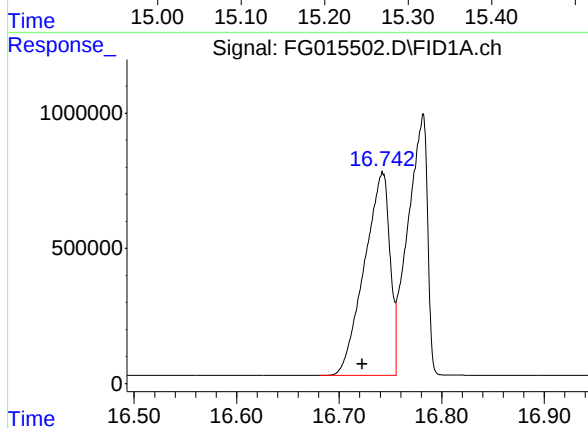
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.175 min  
Delta R.T.: 0.017 min  
Response: 13331057  
Conc: 97.43 ug/ml



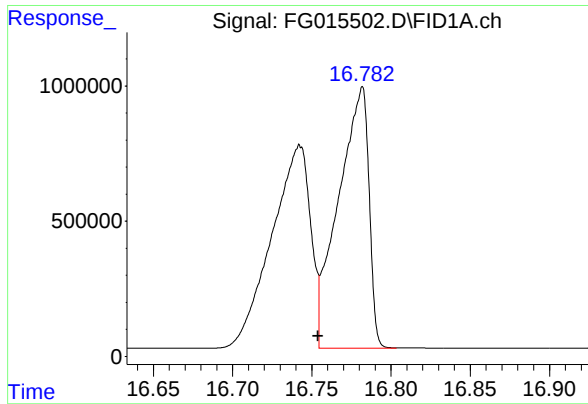
#15 Chrysene (C27.41)

R.T.: 15.223 min  
Delta R.T.: 0.022 min  
Response: 13202695  
Conc: 94.83 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.742 min  
Delta R.T.: 0.019 min  
Response: 12963312  
Conc: 97.26 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.782 min  
Delta R.T.: 0.028 min  
Response: 12883302  
Conc: 95.18 ug/ml

Instrument :

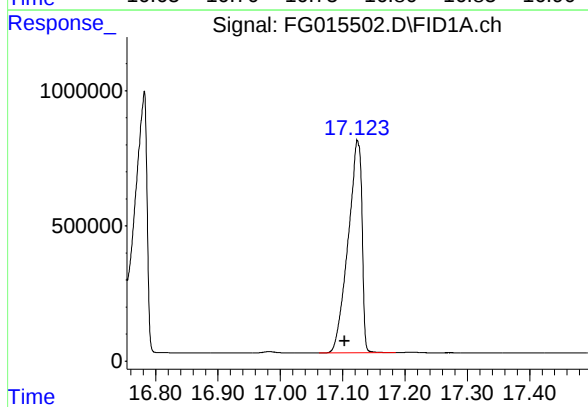
FID\_G

ClientSampleId :

100 PPM AROMATIC HC STD1

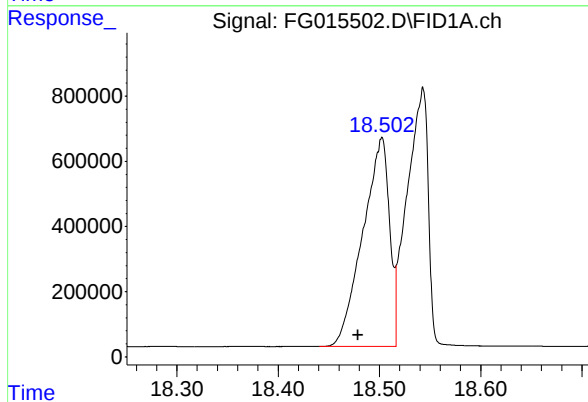
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



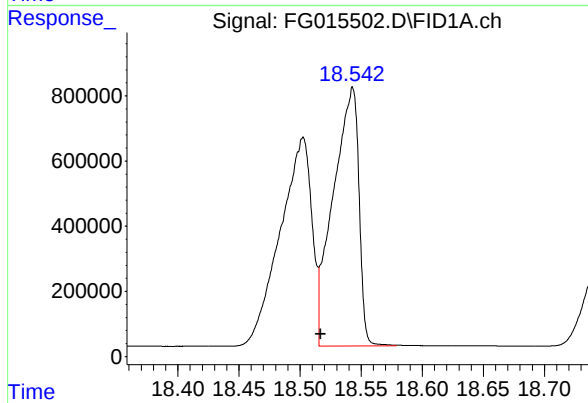
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.124 min  
Delta R.T.: 0.021 min  
Response: 12183444  
Conc: 97.05 ug/ml



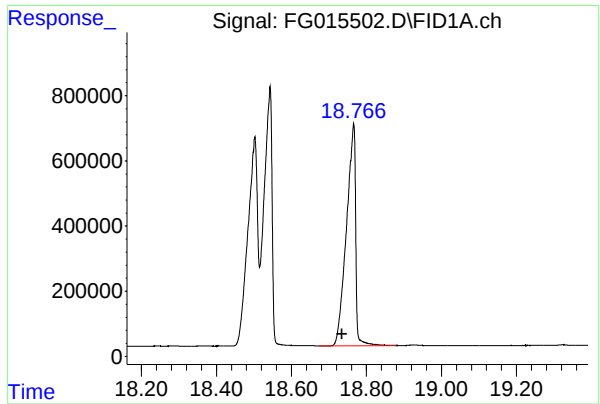
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.502 min  
Delta R.T.: 0.023 min  
Response: 11677700  
Conc: 106.91 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.542 min  
Delta R.T.: 0.026 min  
Response: 11521430  
Conc: 88.56 ug/ml m



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.765 min  
Delta R.T.: 0.030 min  
Response: 11624744  
Conc: 97.88 ug/ml

Instrument :

FID\_G

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

rteres

Instrument :  
FID\_G  
LabSampleId :  
100 PPM AROMATIC HC STD1  
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725  
Data File : FG015502.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 17:32  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.562       | 4.524        | 4.630      | BB       | 1286868        | 12840032     | 91.63%         | 4.776%        |
| 2                       | 6.242       | 6.205        | 6.327      | BB       | 1378263        | 13468371     | 96.12%         | 5.010%        |
| 3                       | 7.345       | 7.297        | 7.430      | BB       | 1277161        | 13313235     | 95.01%         | 4.952%        |
| 4                       | 7.974       | 7.910        | 8.052      | BB       | 1183626        | 12105537     | 86.39%         | 4.503%        |
| 5                       | 8.653       | 8.604        | 8.725      | BB       | 1304910        | 13783047     | 98.36%         | 5.127%        |
| 6                       | 8.853       | 8.812        | 8.917      | BV       | 779899         | 8370393      | 59.74%         | 3.113%        |
| 7                       | 8.955       | 8.917        | 9.012      | PB       | 1257547        | 13396190     | 95.60%         | 4.983%        |
| 8                       | 9.747       | 9.690        | 9.819      | BB       | 1182719        | 13800957     | 98.49%         | 5.133%        |
| 9                       | 11.159      | 11.069       | 11.197     | BV       | 1131903        | 13756074     | 98.17%         | 5.117%        |
| 10                      | 11.237      | 11.197       | 11.275     | VV       | 1118319        | 13373083     | 95.44%         | 4.974%        |
| 11                      | 11.928      | 11.870       | 11.985     | BB       | 1195352        | 14012330     | 100.00%        | 5.212%        |
| 12                      | 12.989      | 12.939       | 13.055     | BB       | 1040082        | 13778619     | 98.33%         | 5.125%        |
| 13                      | 13.289      | 13.234       | 13.315     | BV       | 1061802        | 13599049     | 97.05%         | 5.058%        |
| 14                      | 15.175      | 15.119       | 15.193     | BV       | 870623         | 13331057     | 95.14%         | 4.959%        |
| 15                      | 15.223      | 15.193       | 15.285     | VB       | 1006887        | 13202695     | 94.22%         | 4.911%        |
| 16                      | 16.742      | 16.680       | 16.755     | BV       | 752513         | 12963312     | 92.51%         | 4.822%        |
| 17                      | 16.780      | 16.755       | 16.825     | VB       | 940291         | 12801086     | 91.36%         | 4.761%        |
| 18                      | 17.124      | 17.062       | 17.185     | BB       | 785544         | 12183444     | 86.95%         | 4.532%        |
| 19                      | 18.502      | 18.440       | 18.516     | BV       | 640919         | 11677700     | 83.34%         | 4.344%        |
| 20                      | 18.542      | 18.516       | 18.605     | VB       | 786324         | 11471033     | 81.86%         | 4.267%        |
| 21                      | 18.765      | 18.674       | 18.879     | BB       | 682159         | 11624744     | 82.96%         | 4.324%        |
| Sum of corrected areas: |             |              |            |          |                | 268851988    |                |               |

Aromatic EPH 031725.M Tue Mar 18 05:30:15 2025

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 50 PPM AROMATIC HC | Acq On:            | 17 Mar 2025 18:01 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FG015503.D         | Misc:              |                   |
| Instrument:       | FID_G              | ALS Vial:          | 72                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response      | Conc    | Units |
|------------------|--------|--------|---------------|---------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 13646067.000  | 100.000 | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.044  | 20940760.000  | 150.000 | ug/ml |
| Aromatic C16-C21 | 9.045  | 13.372 | 28172992.000  | 200.000 | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.833 | 58525947.000  | 450.000 | ug/ml |
| Aromatic EPH     | 4.457  | 18.833 | 121285766.000 | 900.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
 Data File : FG015503.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Mar 2025 18:01  
 Operator : YP\AJ  
 Sample : 50 PPM AROMATIC HC STD2  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e  
 Quant Time: Mar 18 05:05:32 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:03:12 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.970  | 6252076    | 50.921 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 101.84%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.848  | 4317875    | 51.314 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 102.63%      |
| 11) S ortho-Terphenyl (SURR)       | 11.922 | 7266771    | 49.864 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 99.73%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.559  | 6683567    | 50.449 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.238  | 6962500    | 51.448 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.341  | 6863854    | 51.028 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.647  | 7140045    | 50.135 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.948  | 6936861    | 50.491 ug/ml |
| 8) T Fluorene (C16.55)             | 9.741  | 7121120    | 50.598 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.152 | 7081296    | 50.210 ug/ml |
| 10) T Anthracene (C19.43)          | 11.228 | 6911119    | 50.382 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.980 | 7142483    | 50.058 ug/ml |
| 13) T Pyrene (C20.8)               | 13.279 | 7059457    | 50.222 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.167 | 6915741    | 50.543 ug/ml |
| 15) T Chrysene (C27.41)            | 15.211 | 6897314    | 49.540 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.730 | 6698936    | 50.261 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.766 | 6683367    | 49.377 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.112 | 6306419    | 50.235 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.488 | 5779285    | 52.909 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.527 | 6138030    | 47.178 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.746 | 5964372    | 50.220 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

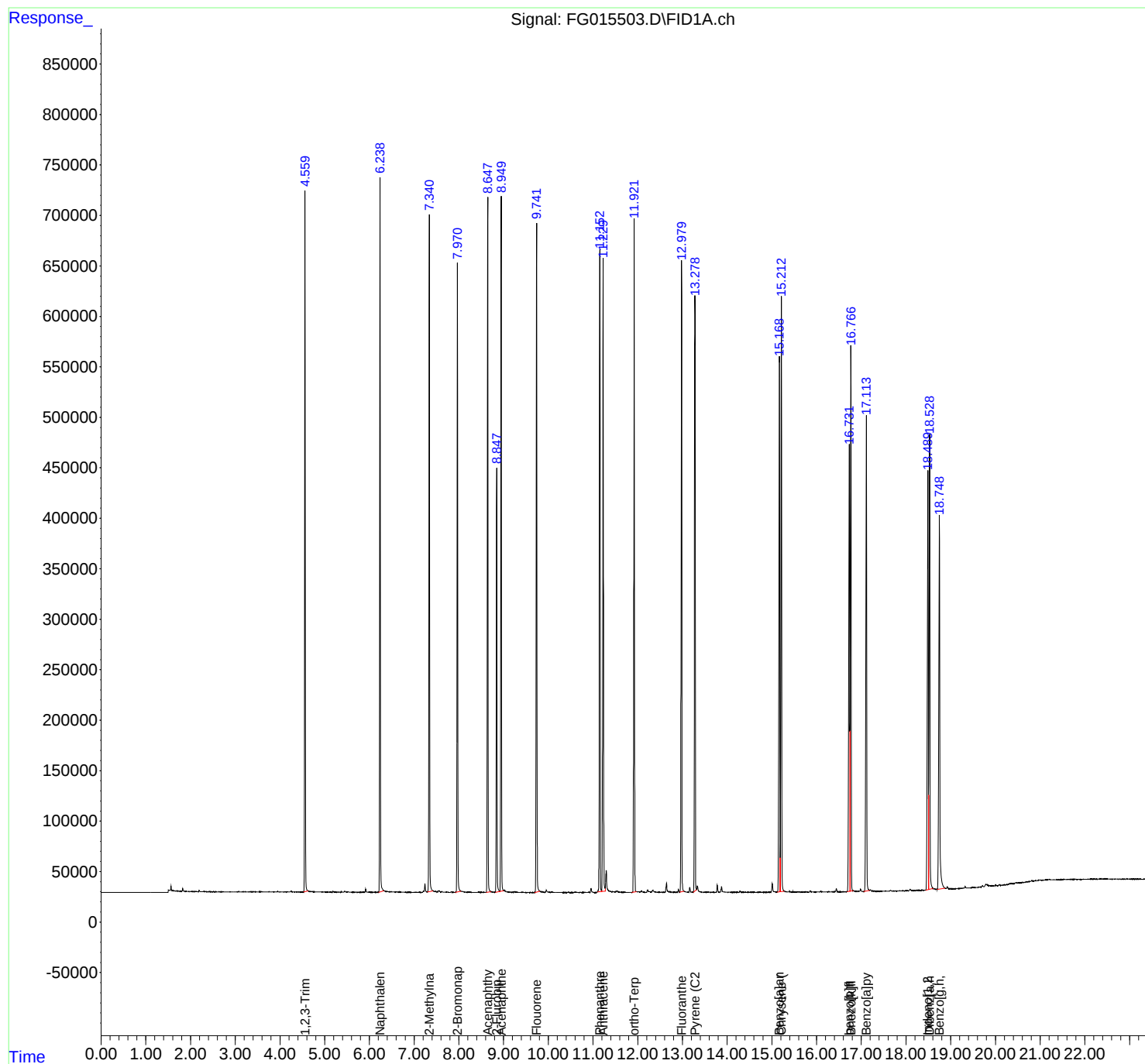
(m)=manual int.

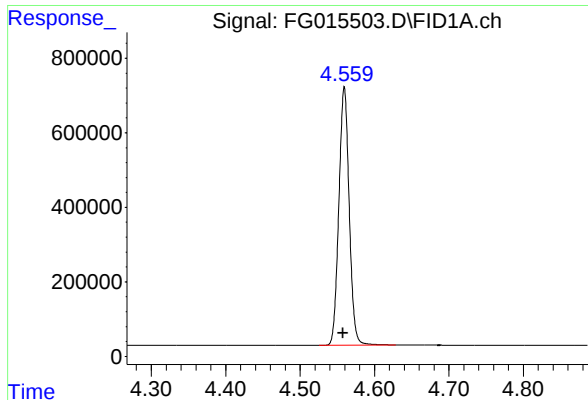
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015503.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 18:01  
Operator : YP\AJ  
Sample : 50 PPM AROMATIC HC STD2  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2

Integration File: autoint1.e  
Quant Time: Mar 18 05:05:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:03:12 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

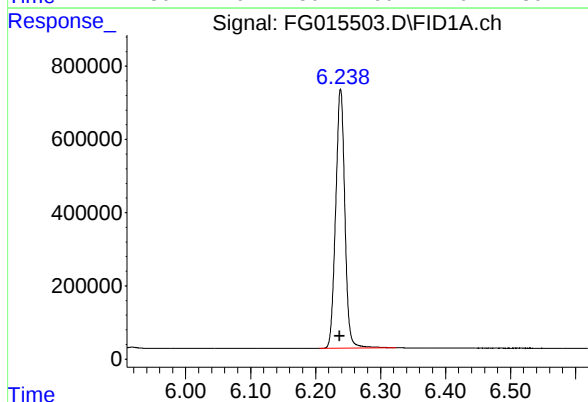




#1 1,2,3-Trimethylbenzene (C10.1)

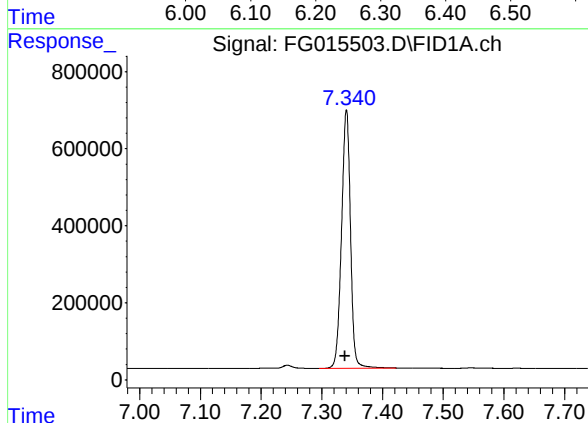
R.T.: 4.559 min  
Delta R.T.: 0.001 min  
Response: 6683567  
Conc: 50.45 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2



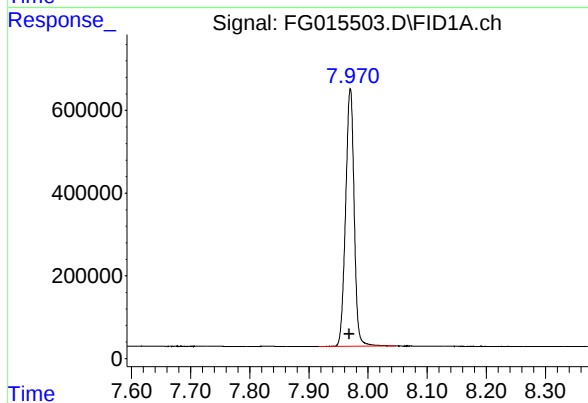
#2 Naphthalene (C11.7)

R.T.: 6.238 min  
Delta R.T.: 0.002 min  
Response: 6962500  
Conc: 51.45 ug/ml



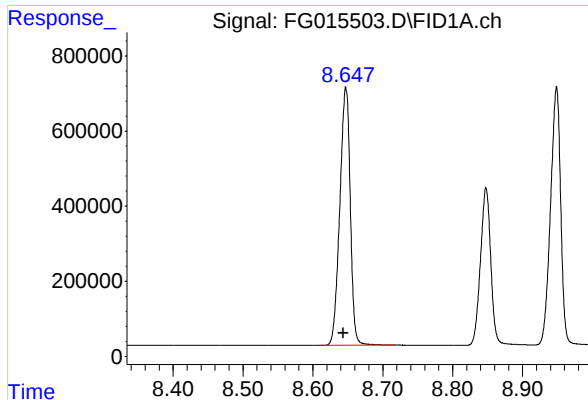
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.341 min  
Delta R.T.: 0.002 min  
Response: 6863854  
Conc: 51.03 ug/ml



#4 2-Bromonaphthalene (SURR)

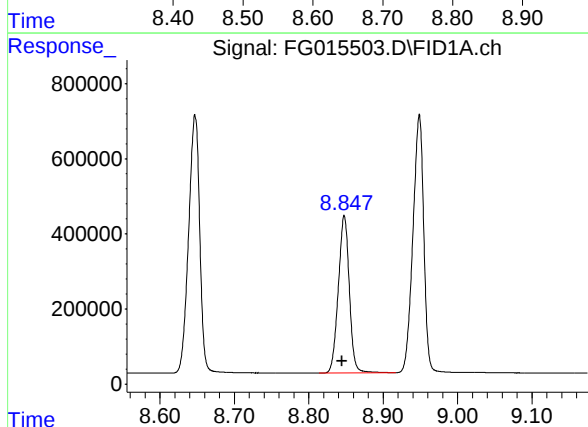
R.T.: 7.970 min  
Delta R.T.: 0.002 min  
Response: 6252076  
Conc: 50.92 ug/ml



#5 Acenaphthylene (C15.06)

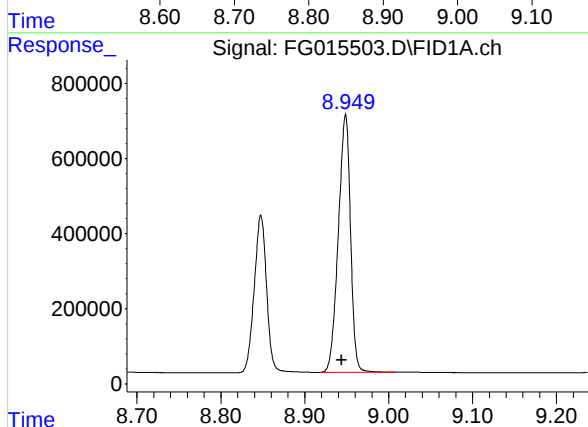
R.T.: 8.647 min  
Delta R.T.: 0.003 min  
Response: 7140045  
Conc: 50.13 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2



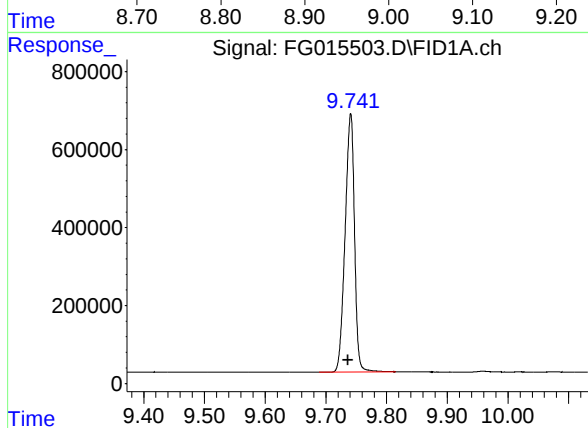
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.848 min  
Delta R.T.: 0.003 min  
Response: 4317875  
Conc: 51.31 ug/ml



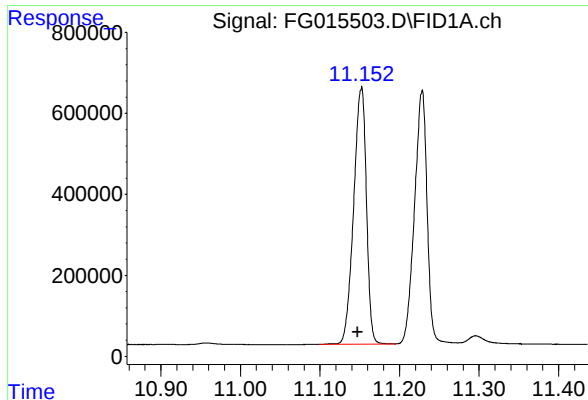
#7 Acenaphthene (C15.5)

R.T.: 8.948 min  
Delta R.T.: 0.004 min  
Response: 6936861  
Conc: 50.49 ug/ml



#8 Fluorene (C16.55)

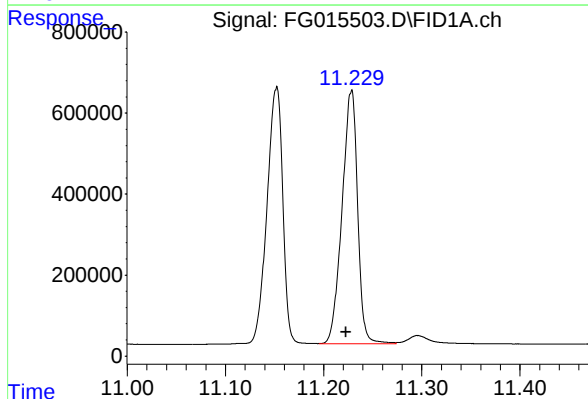
R.T.: 9.741 min  
Delta R.T.: 0.004 min  
Response: 7121120  
Conc: 50.60 ug/ml



#9 Phenanthrene (C19.36)

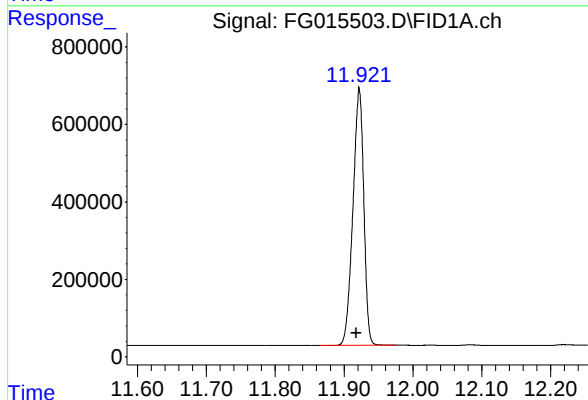
R.T.: 11.152 min  
Delta R.T.: 0.004 min  
Response: 7081296  
Conc: 50.21 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2



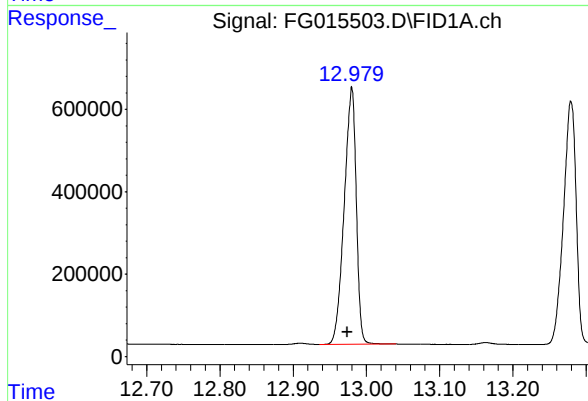
#10 Anthracene (C19.43)

R.T.: 11.228 min  
Delta R.T.: 0.005 min  
Response: 6911119  
Conc: 50.38 ug/ml



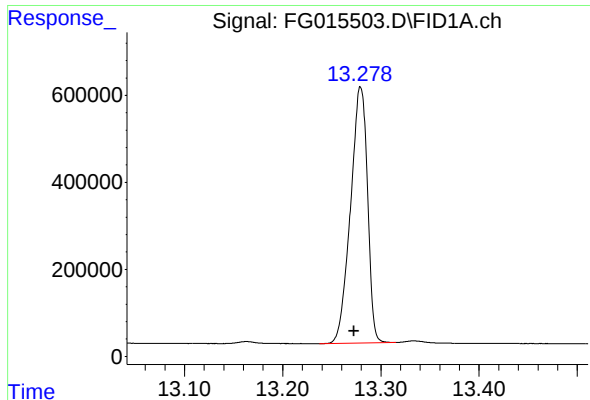
#11 ortho-Terphenyl (SURR)

R.T.: 11.922 min  
Delta R.T.: 0.004 min  
Response: 7266771  
Conc: 49.86 ug/ml



#12 Fluoranthene (C21.85)

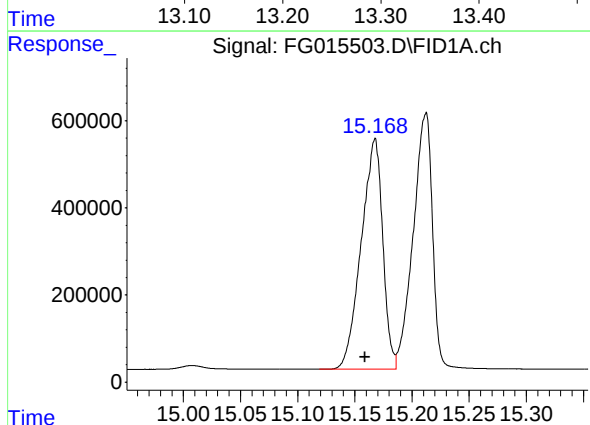
R.T.: 12.980 min  
Delta R.T.: 0.006 min  
Response: 7142483  
Conc: 50.06 ug/ml



#13 Pyrene (C20.8)

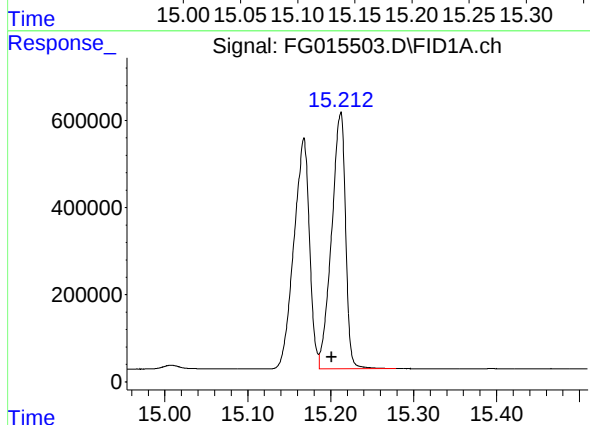
R.T.: 13.279 min  
Delta R.T.: 0.007 min  
Response: 7059457  
Conc: 50.22 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2



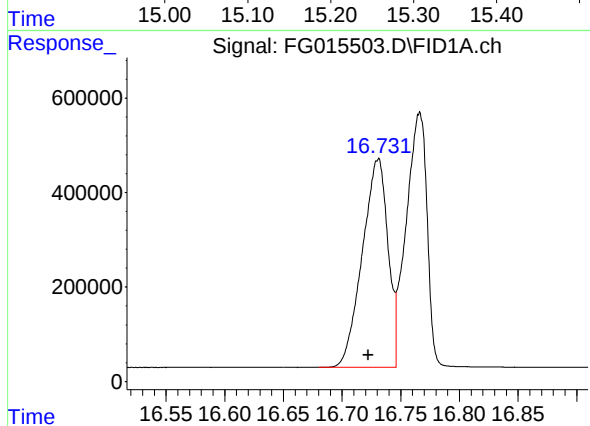
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.167 min  
Delta R.T.: 0.008 min  
Response: 6915741  
Conc: 50.54 ug/ml



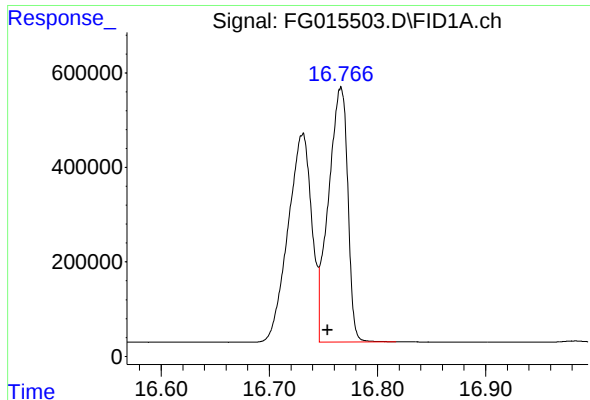
#15 Chrysene (C27.41)

R.T.: 15.211 min  
Delta R.T.: 0.010 min  
Response: 6897314  
Conc: 49.54 ug/ml



#16 benzo[b]fluoranthene (C30.41)

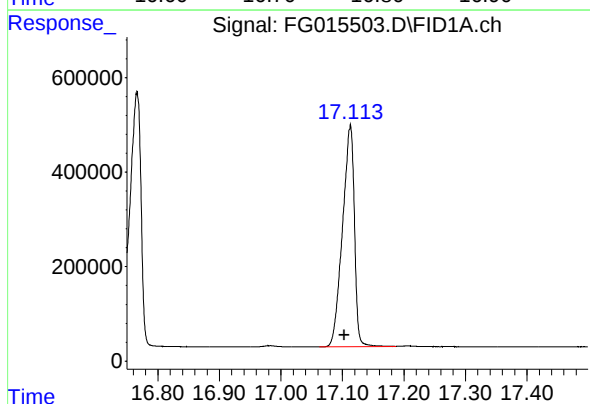
R.T.: 16.730 min  
Delta R.T.: 0.008 min  
Response: 6698936  
Conc: 50.26 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

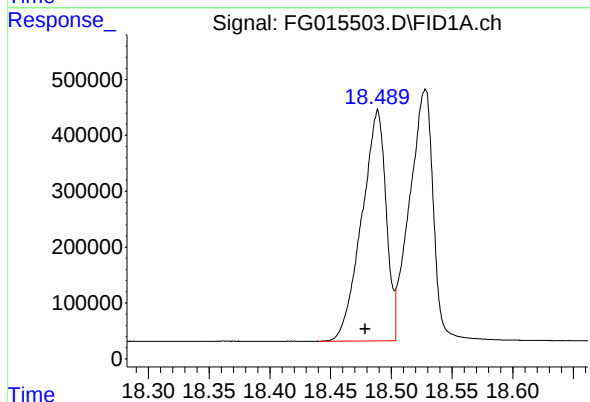
R.T.: 16.766 min  
Delta R.T.: 0.012 min  
Response: 6683367  
Conc: 49.38 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2



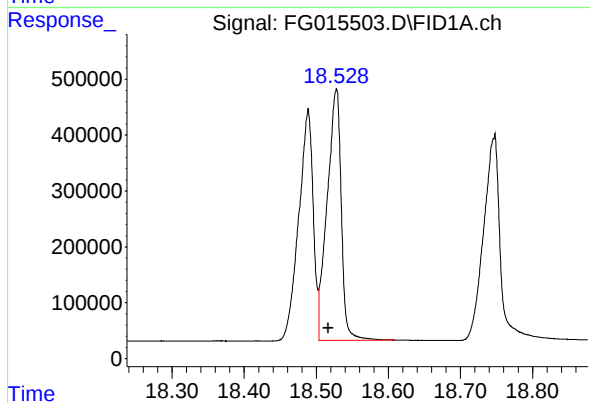
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min  
Delta R.T.: 0.009 min  
Response: 6306419  
Conc: 50.24 ug/ml



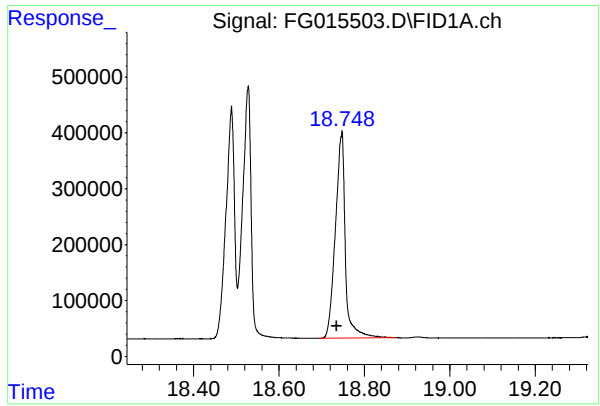
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min  
Delta R.T.: 0.009 min  
Response: 5779285  
Conc: 52.91 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.527 min  
Delta R.T.: 0.010 min  
Response: 6138030  
Conc: 47.18 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.746 min  
Delta R.T.: 0.011 min  
Response: 5964372  
Conc: 50.22 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM AROMATIC HC STD2

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015503.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 18:01  
Sample : 50 PPM AROMATIC HC STD2  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.559       | 4.525        | 4.629      | BB       | 692822         | 6683567      | 91.97%         | 4.804%        |
| 2                       | 6.238       | 6.205        | 6.324      | BB       | 708190         | 6962500      | 95.81%         | 5.005%        |
| 3                       | 7.341       | 7.295        | 7.422      | BB       | 672363         | 6863854      | 94.46%         | 4.934%        |
| 4                       | 7.970       | 7.917        | 8.047      | BB       | 624900         | 6252076      | 86.04%         | 4.494%        |
| 5                       | 8.647       | 8.609        | 8.719      | BB       | 689280         | 7140045      | 98.26%         | 5.132%        |
| 6                       | 8.848       | 8.814        | 8.917      | BV       | 420066         | 4317875      | 59.42%         | 3.104%        |
| 7                       | 8.948       | 8.917        | 9.009      | VB       | 690305         | 6936861      | 95.46%         | 4.986%        |
| 8                       | 9.741       | 9.689        | 9.815      | BB       | 662648         | 7121120      | 98.00%         | 5.119%        |
| 9                       | 11.152      | 11.099       | 11.195     | BV       | 633365         | 7081296      | 97.45%         | 5.090%        |
| 10                      | 11.228      | 11.195       | 11.274     | VV       | 628844         | 6911119      | 95.11%         | 4.968%        |
| 11                      | 11.922      | 11.864       | 11.975     | BB       | 666154         | 7266771      | 100.00%        | 5.223%        |
| 12                      | 12.980      | 12.935       | 13.040     | BB       | 628105         | 7142483      | 98.29%         | 5.134%        |
| 13                      | 13.279      | 13.237       | 13.315     | BV       | 589874         | 7059457      | 97.15%         | 5.074%        |
| 14                      | 15.167      | 15.119       | 15.186     | BV       | 527322         | 6915741      | 95.17%         | 4.971%        |
| 15                      | 15.211      | 15.186       | 15.279     | VB       | 588643         | 6897314      | 94.92%         | 4.958%        |
| 16                      | 16.730      | 16.680       | 16.746     | BV       | 438494         | 6698936      | 92.19%         | 4.815%        |
| 17                      | 16.766      | 16.746       | 16.817     | VB       | 537696         | 6683367      | 91.97%         | 4.804%        |
| 18                      | 17.112      | 17.062       | 17.187     | BB       | 464825         | 6306419      | 86.78%         | 4.533%        |
| 19                      | 18.488      | 18.440       | 18.504     | BV       | 414630         | 5779285      | 79.53%         | 4.154%        |
| 20                      | 18.527      | 18.504       | 18.610     | VB       | 448284         | 6138030      | 84.47%         | 4.412%        |
| 21                      | 18.746      | 18.694       | 18.874     | BB       | 362001         | 5964372      | 82.08%         | 4.287%        |
| Sum of corrected areas: |             |              |            |          |                | 139122488    |                |               |

Aromatic EPH 031725.M Tue Mar 18 05:30:44 2025

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 17 Mar 2025 18:31 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FG015504.D         | Misc:              |                   |
| Instrument:       | FID_G              | ALS Vial:          | 73                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 5356264.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.044  | 8286344.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.045  | 13.372 | 11190203.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.833 | 23420337.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.457  | 18.833 | 48253148.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
 Data File : FG015504.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Mar 2025 18:31  
 Operator : YP\AJ  
 Sample : 20 PPM AROMATIC HC STD3  
 Misc :  
 ALS Vial : 73 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e  
 Quant Time: Mar 18 05:03:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:03:12 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.968  | 2455614    | 20.000 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.00%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.845  | 1682913    | 20.000 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.00%       |
| 11) S ortho-Terphenyl (SURR)       | 11.918 | 2914634    | 20.000 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.00%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.558  | 2649640    | 20.000 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.237  | 2706624    | 20.000 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.338  | 2690250    | 20.000 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.644  | 2848336    | 20.000 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.944  | 2747758    | 20.000 ug/ml |
| 8) T Fluorene (C16.55)             | 9.736  | 2814760    | 20.000 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.147 | 2820694    | 20.000 ug/ml |
| 10) T Anthracene (C19.43)          | 11.223 | 2743461    | 20.000 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.974 | 2853693    | 20.000 ug/ml |
| 13) T Pyrene (C20.8)               | 13.273 | 2811288    | 20.000 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.159 | 2736578    | 20.000 ug/ml |
| 15) T Chrysene (C27.41)            | 15.201 | 2784558    | 20.000 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.723 | 2665661    | 20.000 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.754 | 2707094    | 20.000 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.103 | 2510749    | 20.000 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.479 | 2184625    | 20.000 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.517 | 2602093    | 20.000 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.735 | 2375286    | 20.000 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

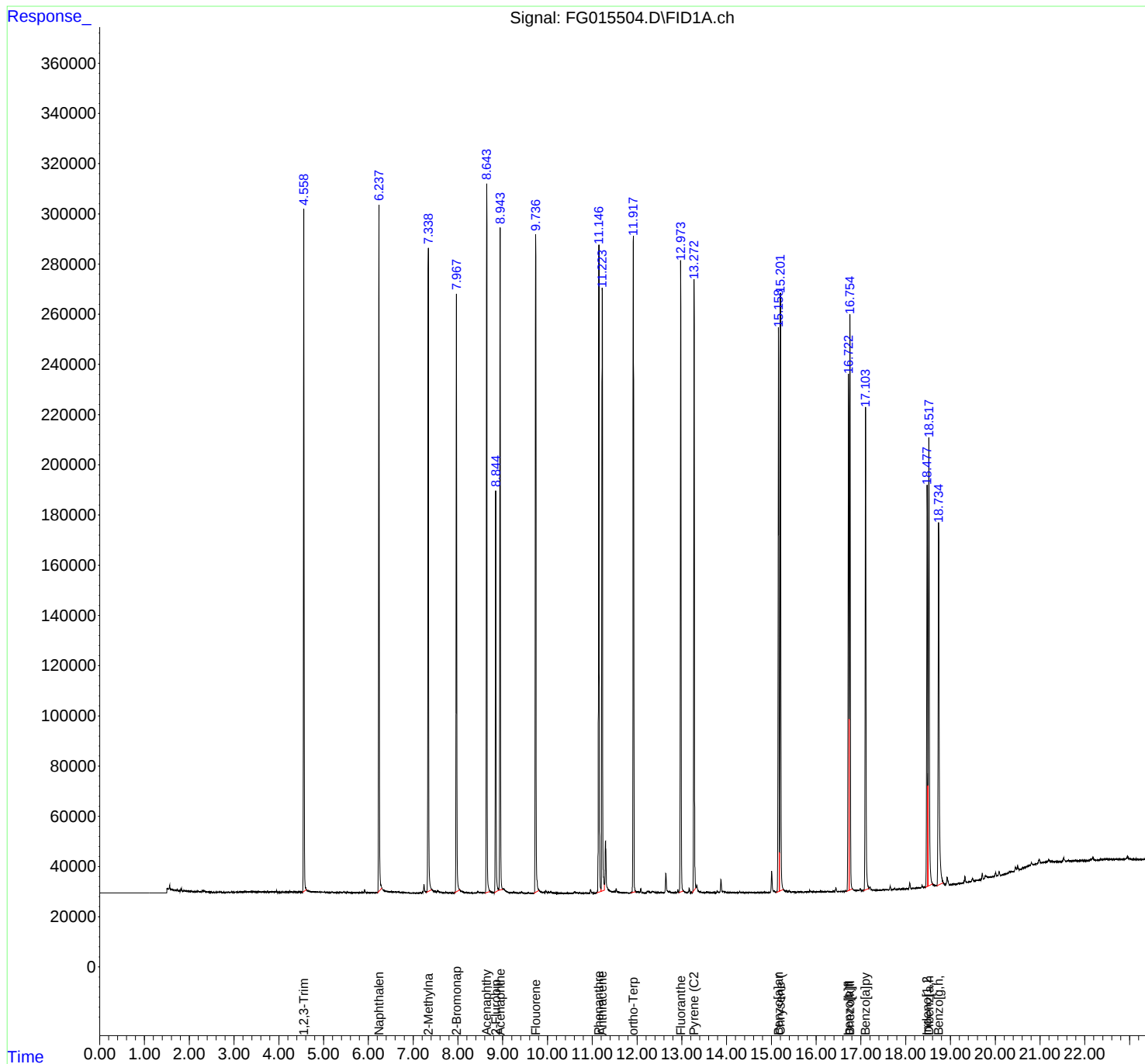
(m)=manual int.

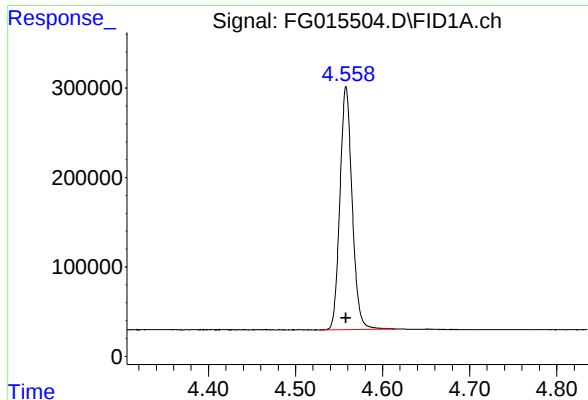
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015504.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 18:31  
Operator : YP\AJ  
Sample : 20 PPM AROMATIC HC STD3  
Misc :  
ALS Vial : 73 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3

Integration File: autoint1.e  
Quant Time: Mar 18 05:03:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:03:12 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

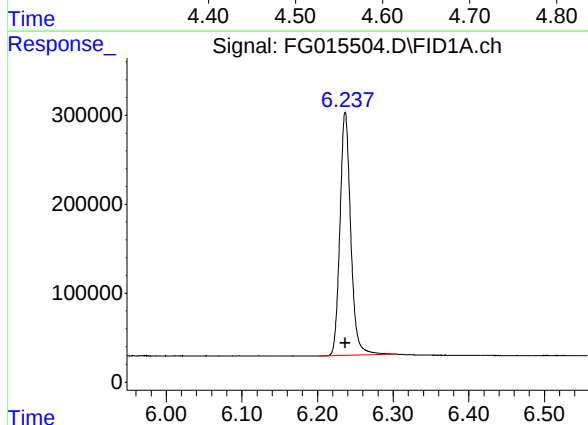




#1 1,2,3-Trimethylbenzene (C10.1)

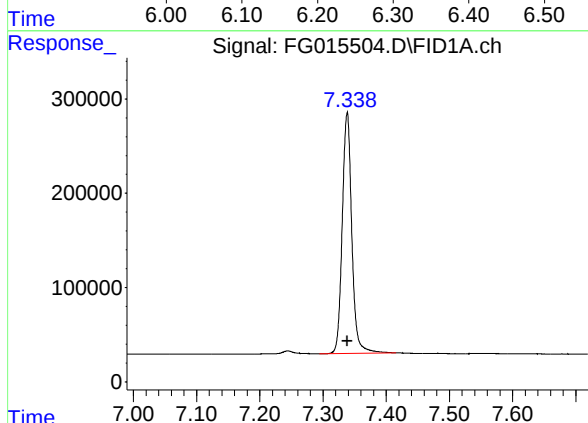
R.T.: 4.558 min  
Delta R.T.: 0.000 min  
Response: 2649640  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3



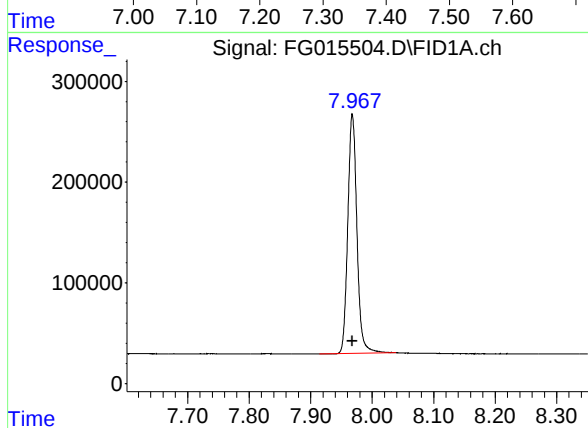
#2 Naphthalene (C11.7)

R.T.: 6.237 min  
Delta R.T.: 0.000 min  
Response: 2706624  
Conc: 20.00 ug/ml



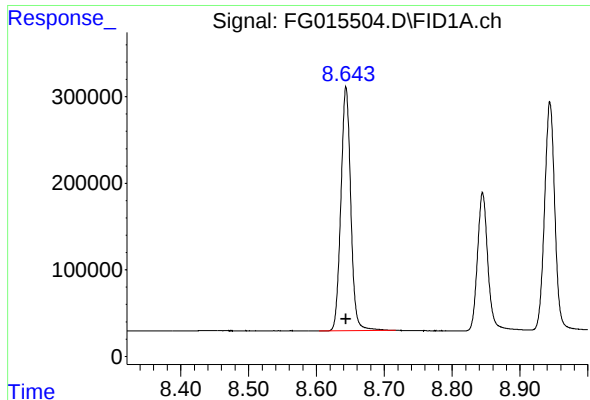
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min  
Delta R.T.: 0.000 min  
Response: 2690250  
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

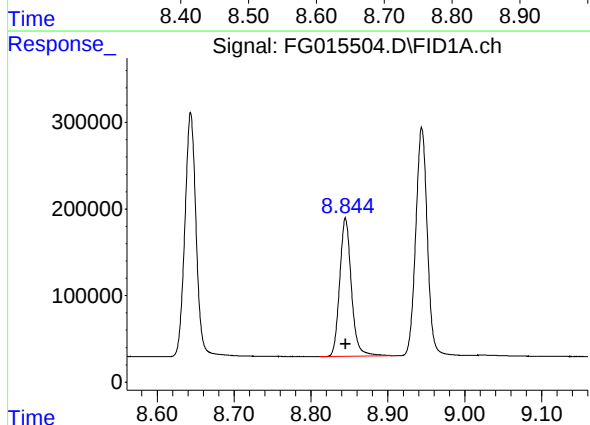
R.T.: 7.968 min  
Delta R.T.: 0.000 min  
Response: 2455614  
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

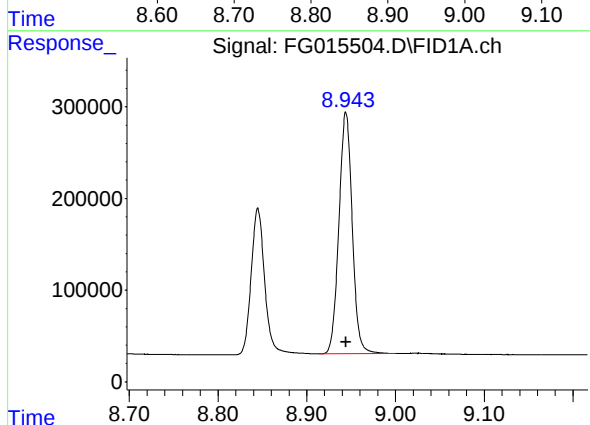
R.T.: 8.644 min  
Delta R.T.: 0.000 min  
Response: 2848336  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3



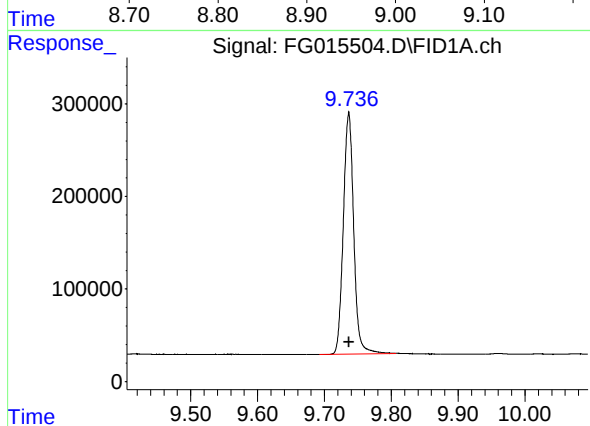
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min  
Delta R.T.: 0.000 min  
Response: 1682913  
Conc: 20.00 ug/ml



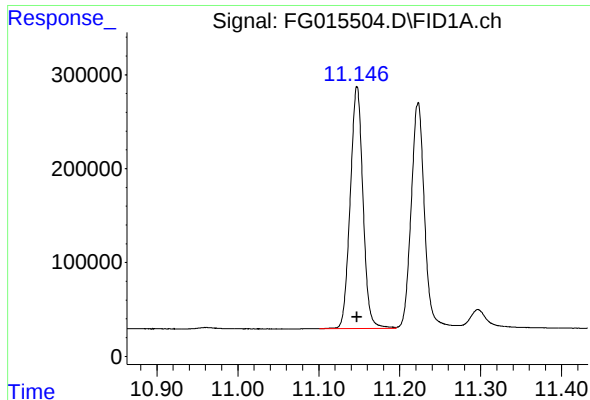
#7 Acenaphthene (C15.5)

R.T.: 8.944 min  
Delta R.T.: 0.000 min  
Response: 2747758  
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

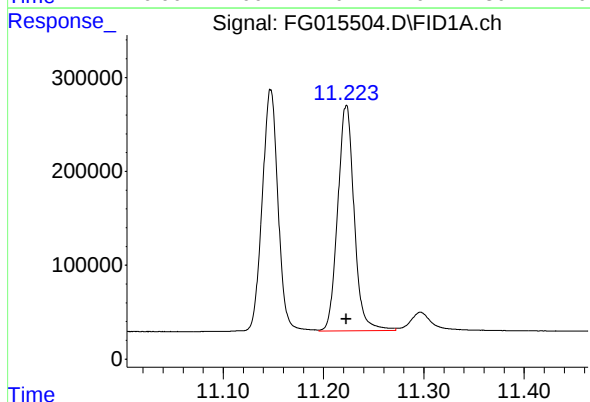
R.T.: 9.736 min  
Delta R.T.: 0.000 min  
Response: 2814760  
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

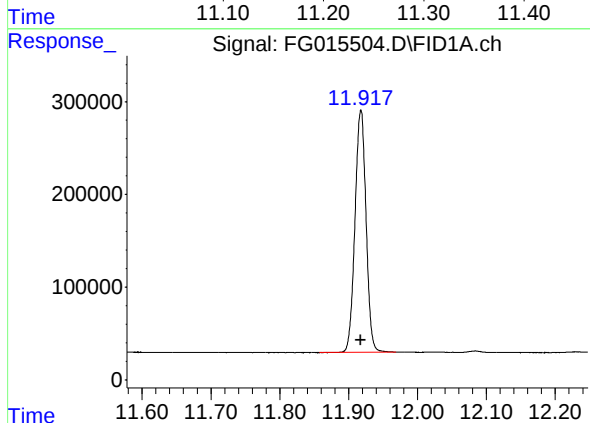
R.T.: 11.147 min  
Delta R.T.: 0.000 min  
Response: 2820694  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3



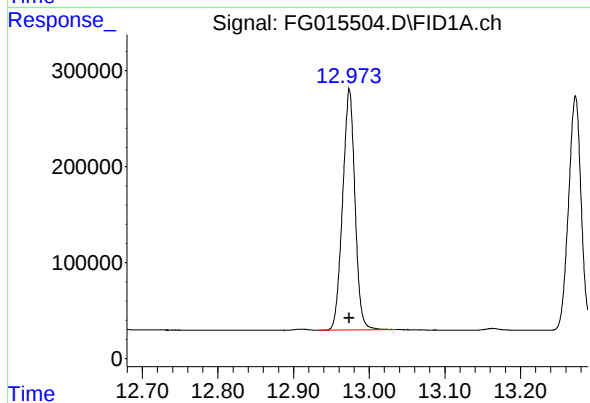
#10 Anthracene (C19.43)

R.T.: 11.223 min  
Delta R.T.: 0.000 min  
Response: 2743461  
Conc: 20.00 ug/ml



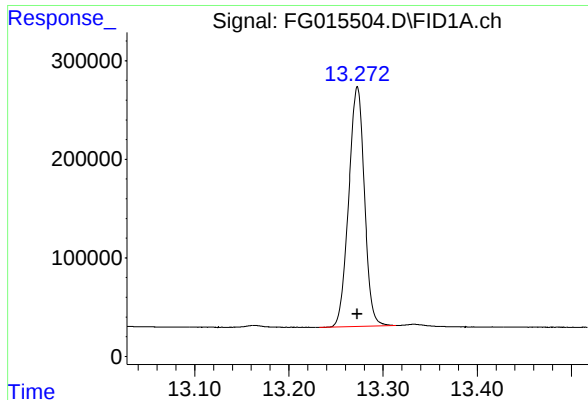
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min  
Delta R.T.: 0.000 min  
Response: 2914634  
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

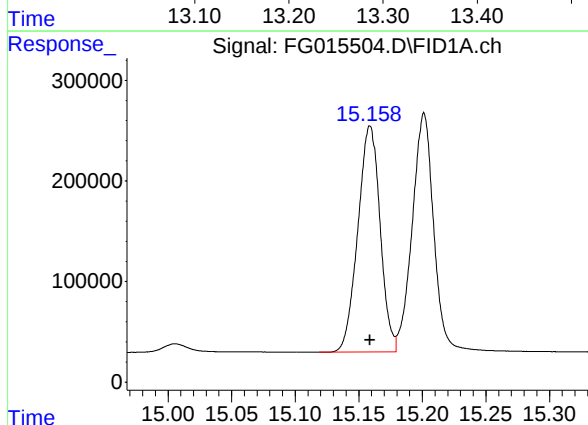
R.T.: 12.974 min  
Delta R.T.: 0.000 min  
Response: 2853693  
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

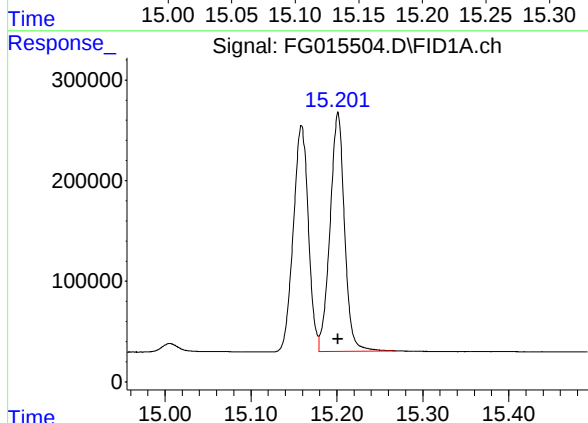
R.T.: 13.273 min  
Delta R.T.: 0.000 min  
Response: 2811288  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3



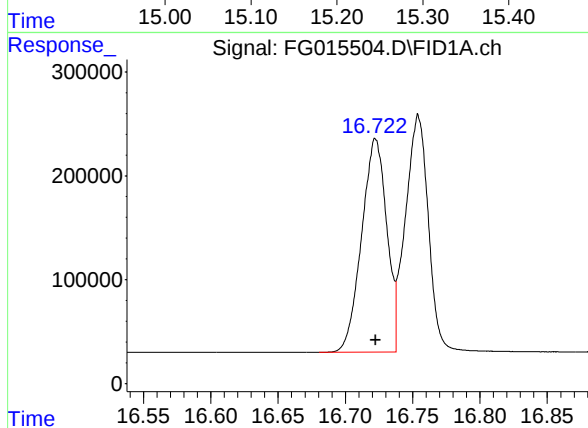
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min  
Delta R.T.: 0.000 min  
Response: 2736578  
Conc: 20.00 ug/ml



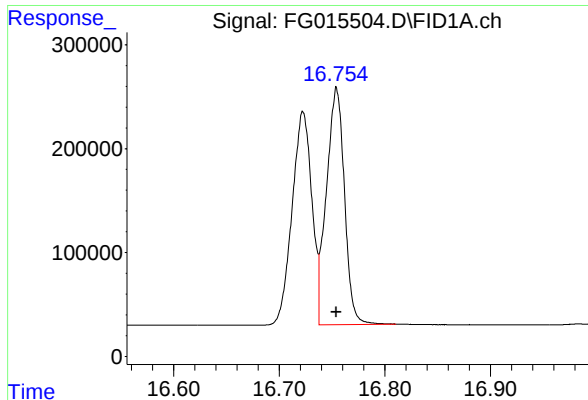
#15 Chrysene (C27.41)

R.T.: 15.201 min  
Delta R.T.: 0.000 min  
Response: 2784558  
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

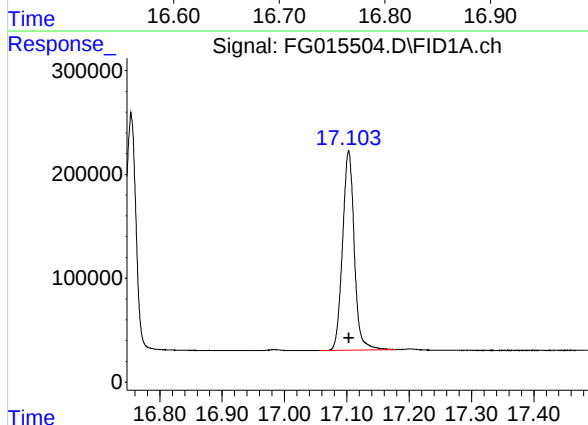
R.T.: 16.723 min  
Delta R.T.: 0.000 min  
Response: 2665661  
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

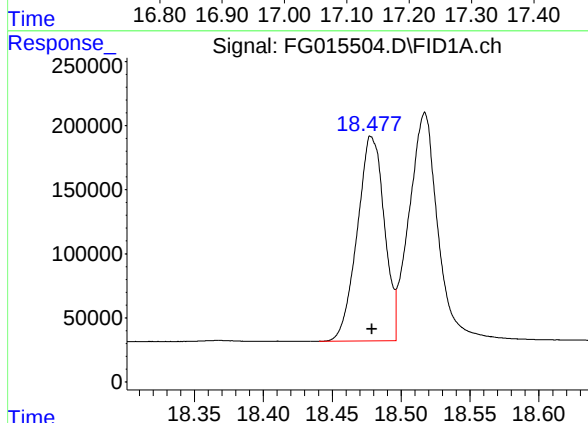
R.T.: 16.754 min  
Delta R.T.: 0.000 min  
Response: 2707094  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3



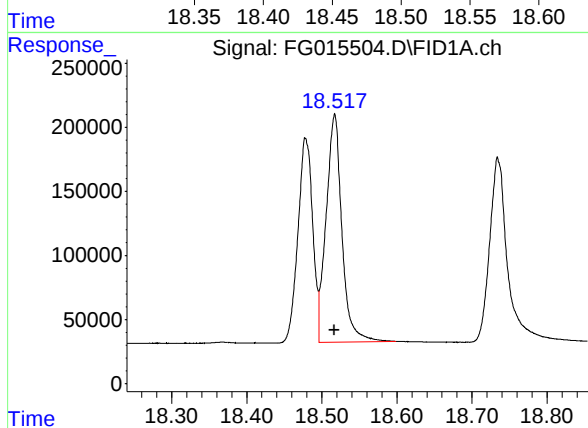
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min  
Delta R.T.: 0.000 min  
Response: 2510749  
Conc: 20.00 ug/ml



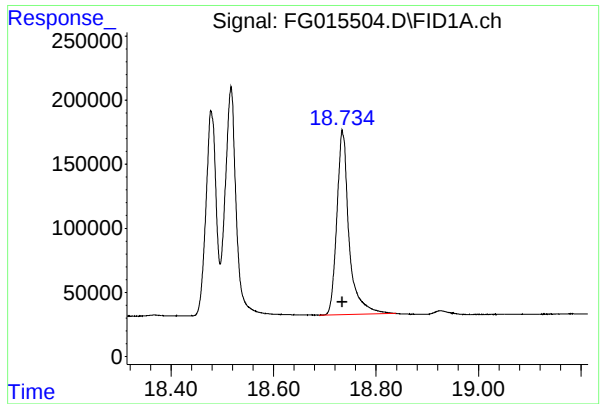
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.479 min  
Delta R.T.: 0.000 min  
Response: 2184625  
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.517 min  
Delta R.T.: 0.000 min  
Response: 2602093  
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.735 min  
Delta R.T.: 0.000 min  
Response: 2375286  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD3

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015504.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 18:31  
Sample : 20 PPM AROMATIC HC STD3  
Misc :  
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.558       | 4.527        | 4.615      | BB       | 270795         | 2649640      | 90.91%         | 4.791%        |
| 2                       | 6.237       | 6.202        | 6.304      | BB       | 273431         | 2706624      | 92.86%         | 4.894%        |
| 3                       | 7.338       | 7.294        | 7.415      | BB       | 257073         | 2690250      | 92.30%         | 4.864%        |
| 4                       | 7.968       | 7.914        | 8.039      | BB       | 236187         | 2455614      | 84.25%         | 4.440%        |
| 5                       | 8.644       | 8.604        | 8.717      | BB       | 281948         | 2848336      | 97.73%         | 5.150%        |
| 6                       | 8.845       | 8.810        | 8.910      | BB       | 159077         | 1682913      | 57.74%         | 3.043%        |
| 7                       | 8.944       | 8.914        | 9.000      | BB       | 263930         | 2747758      | 94.27%         | 4.968%        |
| 8                       | 9.736       | 9.692        | 9.807      | BB       | 262549         | 2814760      | 96.57%         | 5.089%        |
| 9                       | 11.147      | 11.100       | 11.195     | BV       | 258221         | 2820694      | 96.78%         | 5.100%        |
| 10                      | 11.223      | 11.195       | 11.272     | VV       | 239218         | 2743461      | 94.13%         | 4.960%        |
| 11                      | 11.918      | 11.857       | 11.969     | BB       | 260724         | 2914634      | 100.00%        | 5.270%        |
| 12                      | 12.974      | 12.934       | 13.035     | BB       | 251279         | 2853693      | 97.91%         | 5.160%        |
| 13                      | 13.273      | 13.232       | 13.314     | BV       | 243197         | 2811288      | 96.45%         | 5.083%        |
| 14                      | 15.159      | 15.119       | 15.179     | BV       | 224920         | 2736578      | 93.89%         | 4.948%        |
| 15                      | 15.201      | 15.179       | 15.269     | VB       | 236965         | 2784558      | 95.54%         | 5.035%        |
| 16                      | 16.723      | 16.680       | 16.738     | BV       | 205704         | 2665661      | 91.46%         | 4.820%        |
| 17                      | 16.754      | 16.738       | 16.810     | VB       | 228323         | 2707094      | 92.88%         | 4.895%        |
| 18                      | 17.103      | 17.055       | 17.179     | BB       | 192017         | 2510749      | 86.14%         | 4.540%        |
| 19                      | 18.479      | 18.440       | 18.496     | BV       | 158722         | 2184625      | 74.95%         | 3.950%        |
| 20                      | 18.517      | 18.496       | 18.599     | VB       | 178251         | 2602093      | 89.28%         | 4.705%        |
| 21                      | 18.735      | 18.689       | 18.839     | BB       | 141162         | 2375286      | 81.50%         | 4.295%        |
| Sum of corrected areas: |             |              |            |          |                |              | 55306307       |               |

Aromatic EPH 031725.M Tue Mar 18 05:31:03 2025

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 10 PPM AROMATIC HC | Acq On:            | 17 Mar 2025 19:00 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FG015505.D         | Misc:              |                   |
| Instrument:       | FID_G              | ALS Vial:          | 74                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 2672678.000  | 20.000  | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.044  | 4096782.000  | 30.000  | ug/ml |
| Aromatic C16-C21 | 9.045  | 13.372 | 5588718.000  | 40.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.833 | 11832868.000 | 90.000  | ug/ml |
| Aromatic EPH     | 4.457  | 18.833 | 24191046.000 | 180.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
 Data File : FG015505.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Mar 2025 19:00  
 Operator : YP\AJ  
 Sample : 10 PPM AROMATIC HC STD4  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e  
 Quant Time: Mar 18 05:05:54 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:03:12 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.968  | 1213703    | 9.885 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 19.77%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.846  | 814531     | 9.680 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 19.36%       |
| 11) S ortho-Terphenyl (SURR)       | 11.918 | 1473663    | 10.112 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 20.22%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.559  | 1335509    | 10.081 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.237  | 1337169    | 9.881 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.338  | 1317757    | 9.797 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.643  | 1411336    | 9.910 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.943  | 1367689    | 9.955 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.736  | 1396110    | 9.920 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.146 | 1410660    | 10.002 ug/ml |
| 10) T Anthracene (C19.43)          | 11.222 | 1372213    | 10.004 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.973 | 1437068    | 10.072 ug/ml |
| 13) T Pyrene (C20.8)               | 13.271 | 1409735    | 10.029 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.156 | 1355370    | 9.906 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.198 | 1434548    | 10.304 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.718 | 1325261    | 9.943 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.749 | 1394802    | 10.305 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.102 | 1260891    | 10.044 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.476 | 1079071    | 9.879 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.515 | 1343184    | 10.324 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.731 | 1202673    | 10.127 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

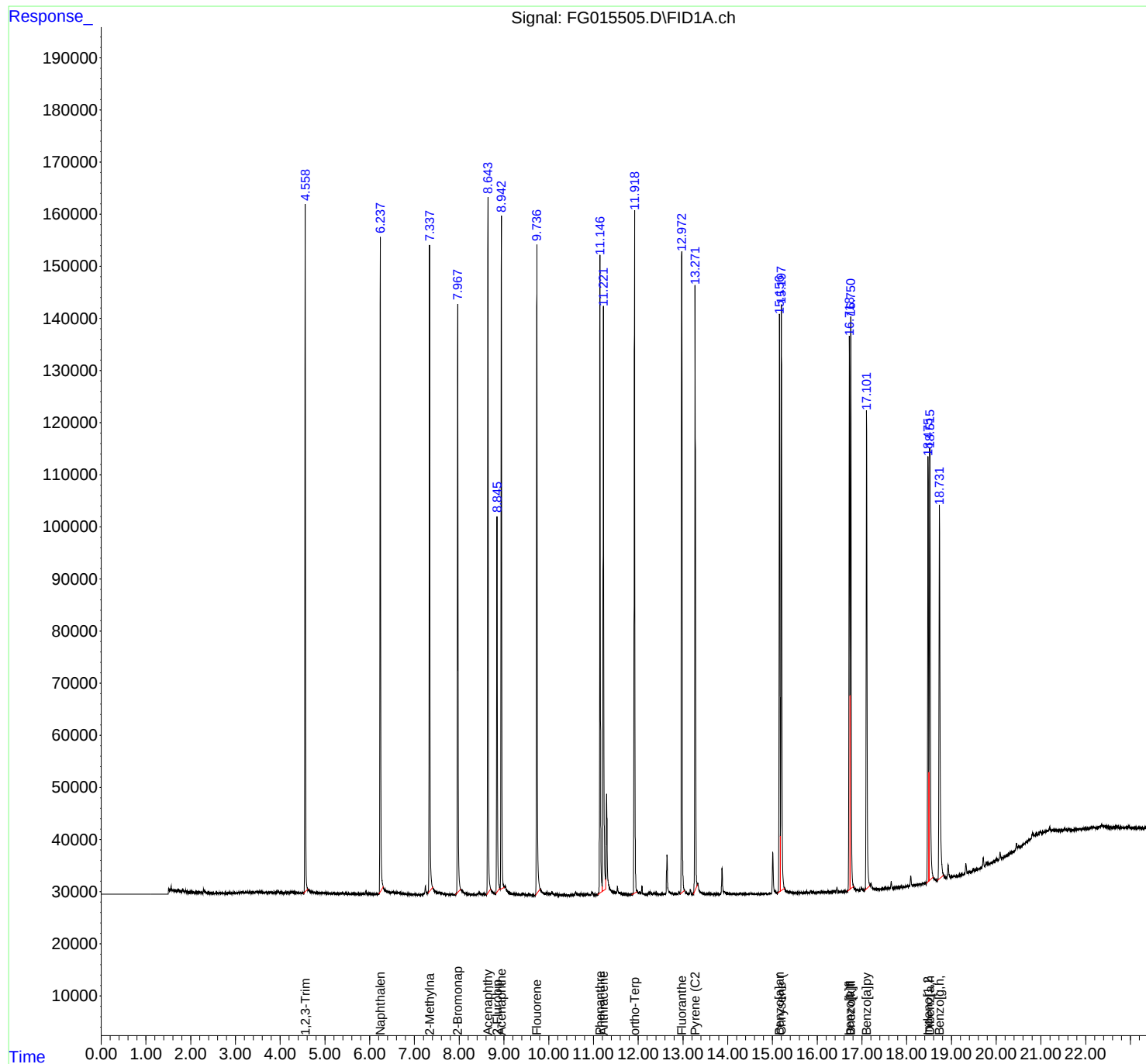
(m)=manual int.

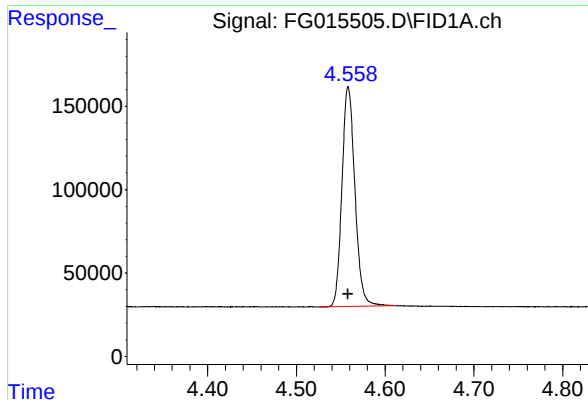
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015505.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 19:00  
Operator : YP\AJ  
Sample : 10 PPM AROMATIC HC STD4  
Misc :  
ALS Vial : 74 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM AROMATIC HC STD4

Integration File: autoint1.e  
Quant Time: Mar 18 05:05:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:03:12 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

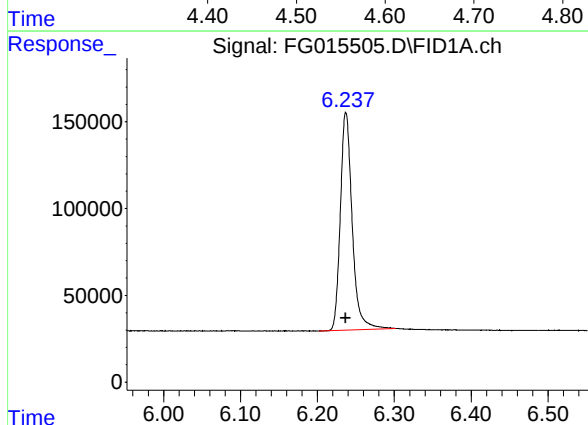




#1 1,2,3-Trimethylbenzene (C10.1)

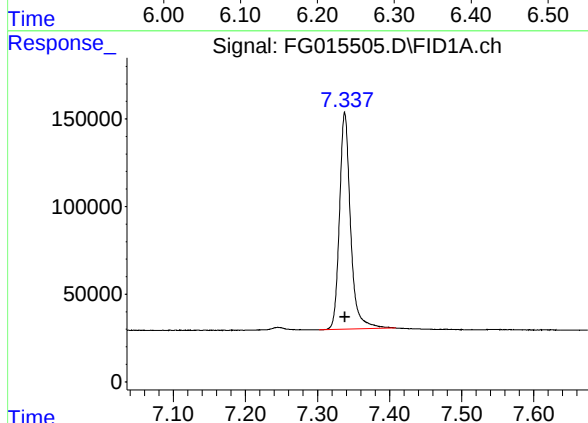
R.T.: 4.559 min  
Delta R.T.: 0.000 min  
Response: 1335509  
Conc: 10.08 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM AROMATIC HC STD4



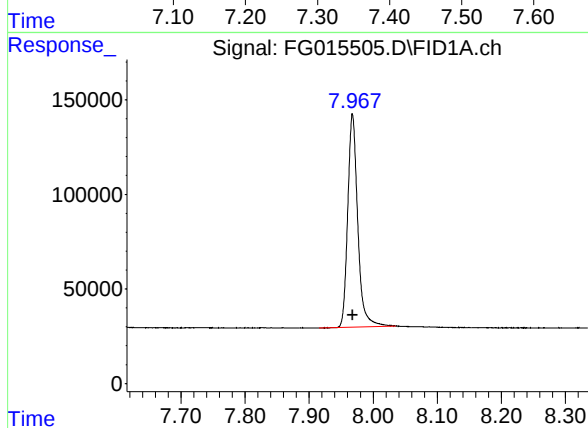
#2 Naphthalene (C11.7)

R.T.: 6.237 min  
Delta R.T.: 0.000 min  
Response: 1337169  
Conc: 9.88 ug/ml



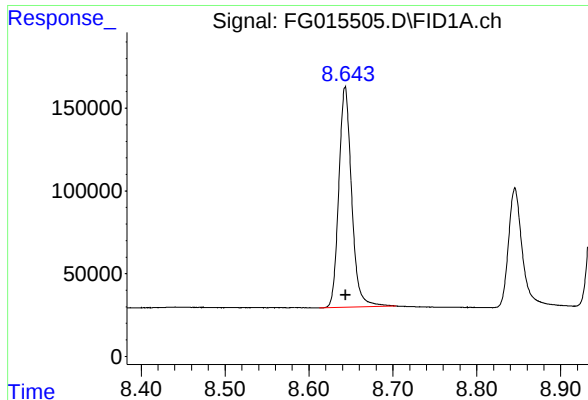
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min  
Delta R.T.: 0.000 min  
Response: 1317757  
Conc: 9.80 ug/ml



#4 2-Bromonaphthalene (SURR)

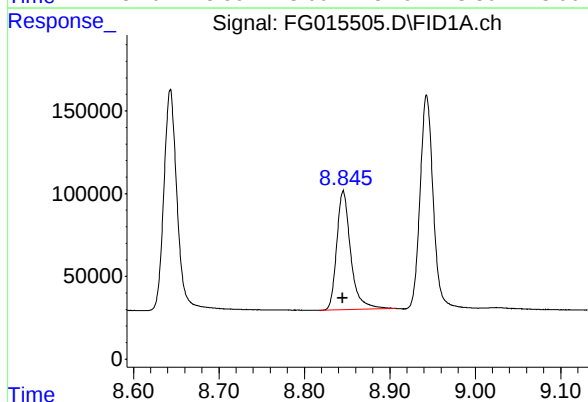
R.T.: 7.968 min  
Delta R.T.: 0.000 min  
Response: 1213703  
Conc: 9.89 ug/ml



#5 Acenaphthylene (C15.06)

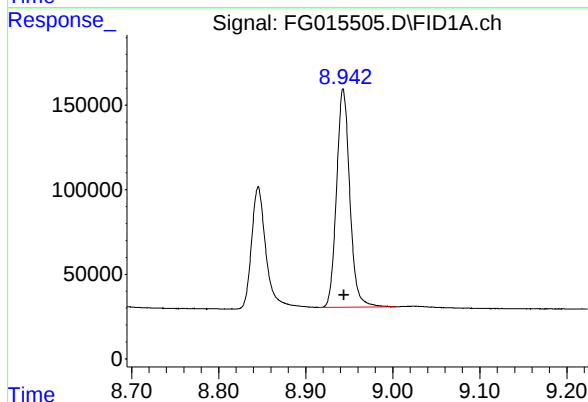
R.T.: 8.643 min  
Delta R.T.: 0.000 min  
Response: 1411336  
Conc: 9.91 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM AROMATIC HC STD4



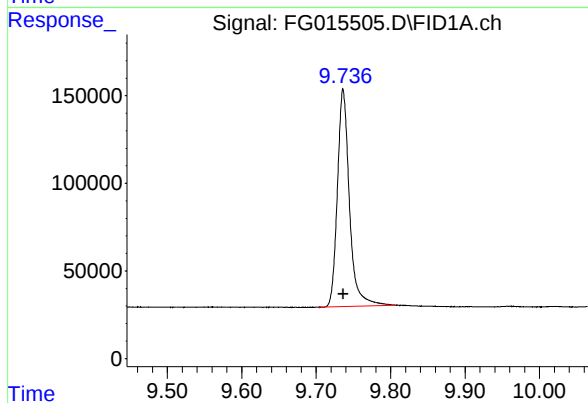
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.846 min  
Delta R.T.: 0.000 min  
Response: 814531  
Conc: 9.68 ug/ml



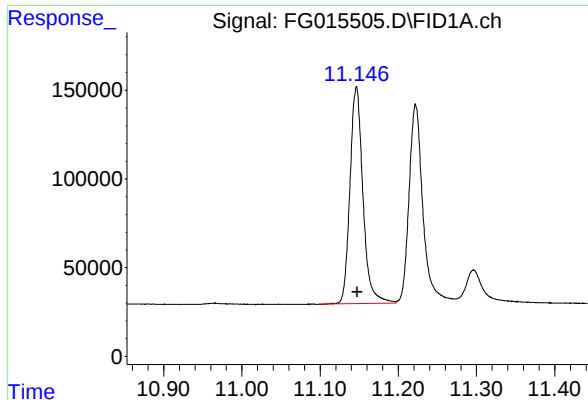
#7 Acenaphthene (C15.5)

R.T.: 8.943 min  
Delta R.T.: 0.000 min  
Response: 1367689  
Conc: 9.95 ug/ml



#8 Flouorene (C16.55)

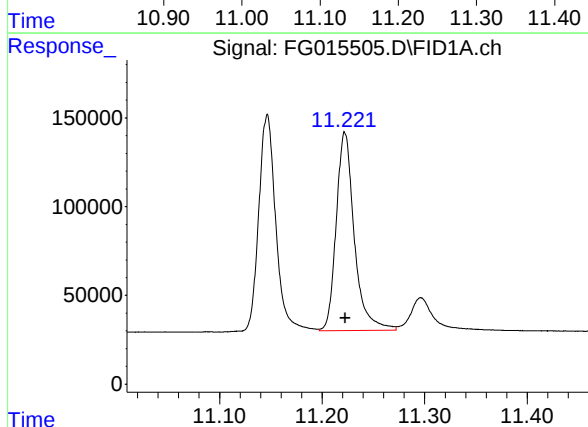
R.T.: 9.736 min  
Delta R.T.: 0.000 min  
Response: 1396110  
Conc: 9.92 ug/ml



#9 Phenanthrene (C19.36)

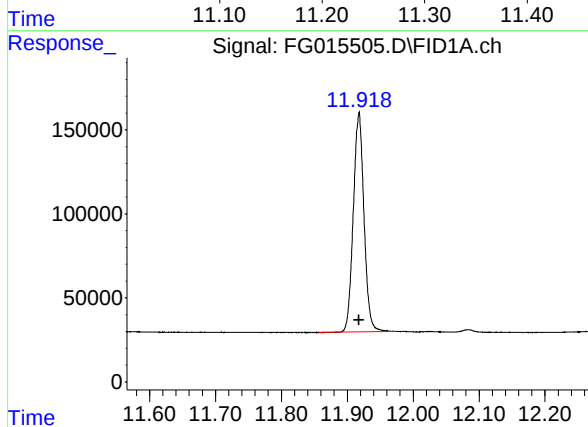
R.T.: 11.146 min  
Delta R.T.: 0.000 min  
Response: 1410660  
Conc: 10.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM AROMATIC HC STD4



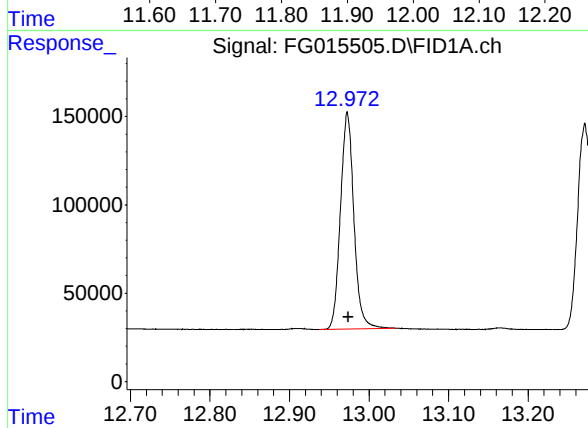
#10 Anthracene (C19.43)

R.T.: 11.222 min  
Delta R.T.: 0.000 min  
Response: 1372213  
Conc: 10.00 ug/ml



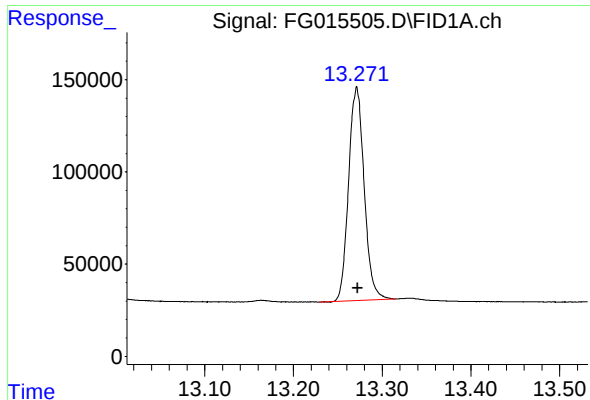
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min  
Delta R.T.: 0.000 min  
Response: 1473663  
Conc: 10.11 ug/ml



#12 Fluoranthene (C21.85)

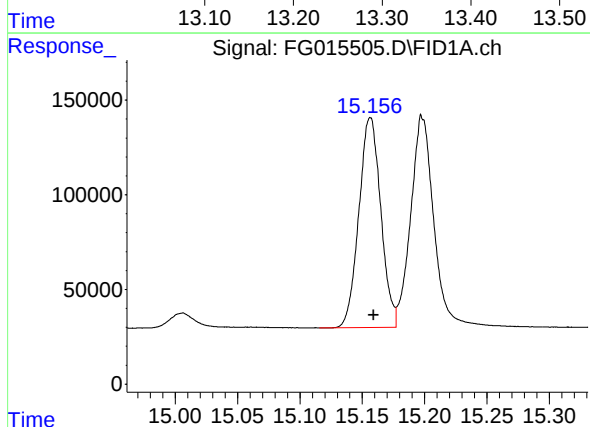
R.T.: 12.973 min  
Delta R.T.: 0.000 min  
Response: 1437068  
Conc: 10.07 ug/ml



#13 Pyrene (C20.8)

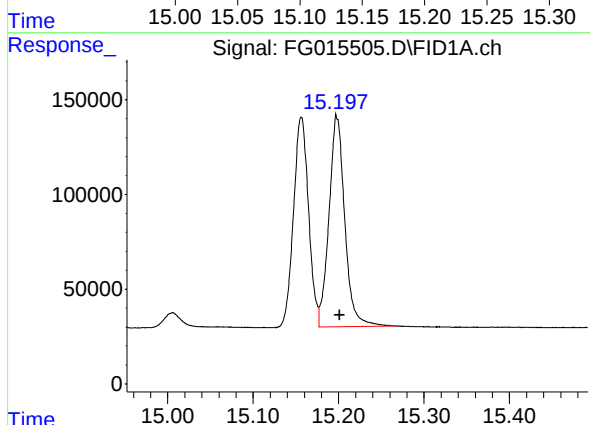
R.T.: 13.271 min  
Delta R.T.: -0.002 min  
Response: 1409735  
Conc: 10.03 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM AROMATIC HC STD4



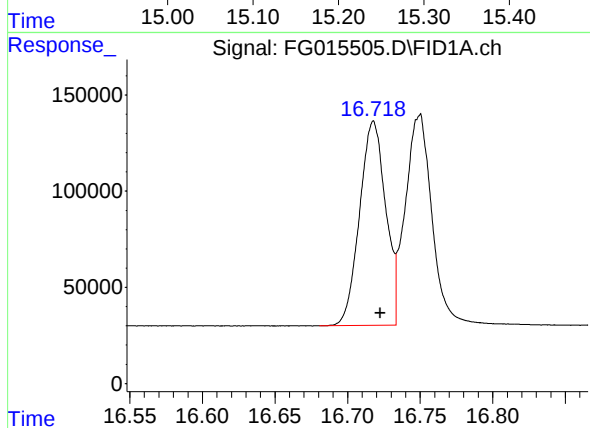
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.156 min  
Delta R.T.: -0.002 min  
Response: 1355370  
Conc: 9.91 ug/ml



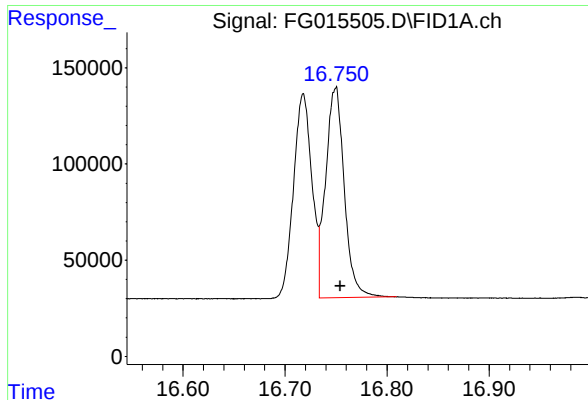
#15 Chrysene (C27.41)

R.T.: 15.198 min  
Delta R.T.: -0.003 min  
Response: 1434548  
Conc: 10.30 ug/ml



#16 benzo[b]fluoranthene (C30.41)

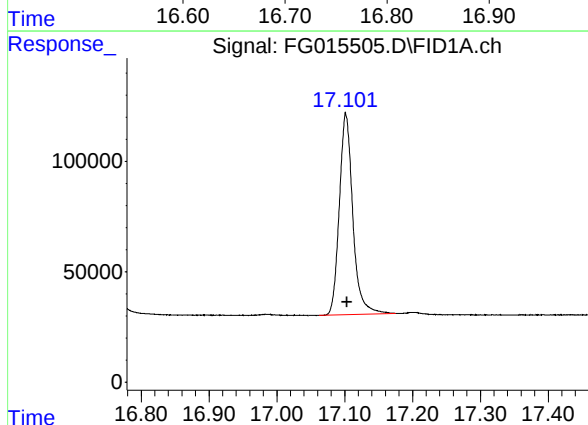
R.T.: 16.718 min  
Delta R.T.: -0.005 min  
Response: 1325261  
Conc: 9.94 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

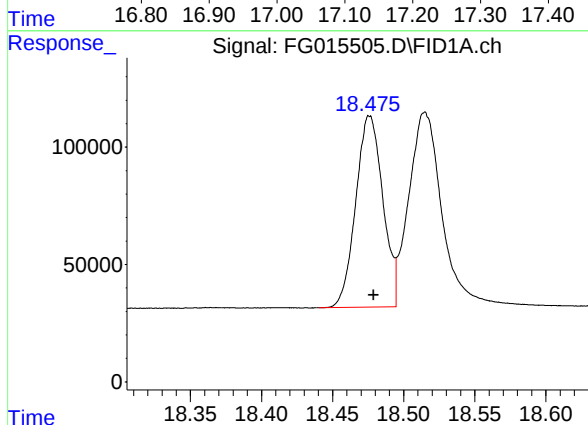
R.T.: 16.749 min  
Delta R.T.: -0.005 min  
Response: 1394802  
Conc: 10.30 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM AROMATIC HC STD4



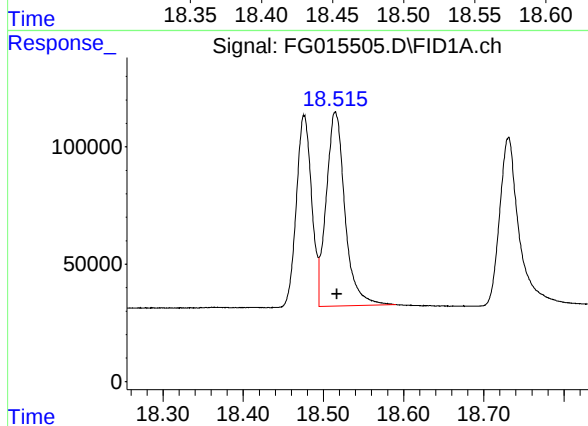
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.102 min  
Delta R.T.: -0.001 min  
Response: 1260891  
Conc: 10.04 ug/ml



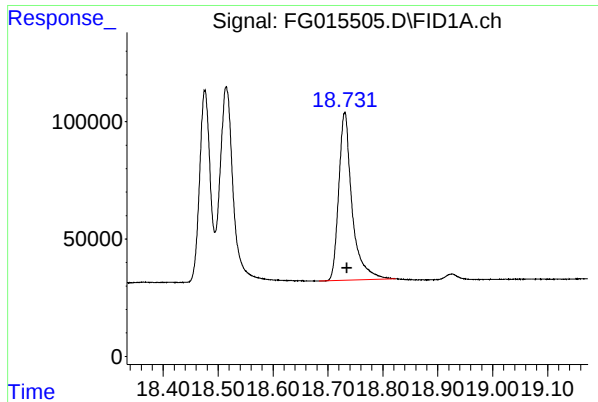
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.476 min  
Delta R.T.: -0.003 min  
Response: 1079071  
Conc: 9.88 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.515 min  
Delta R.T.: -0.002 min  
Response: 1343184  
Conc: 10.32 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.731 min

Delta R.T.: -0.004 min

Response: 1202673

Conc: 10.13 ug/ml

Instrument :

FID\_G

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015505.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 19:00  
Sample : 10 PPM AROMATIC HC STD4  
Misc :  
ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.559       | 4.525        | 4.612      | BB       | 131464         | 1335509      | 90.63%         | 4.823%        |
| 2                       | 6.237       | 6.202        | 6.302      | BB       | 125424         | 1337169      | 90.74%         | 4.829%        |
| 3                       | 7.338       | 7.302        | 7.409      | BB       | 123040         | 1317757      | 89.42%         | 4.758%        |
| 4                       | 7.968       | 7.915        | 8.035      | BB       | 112918         | 1213703      | 82.36%         | 4.383%        |
| 5                       | 8.643       | 8.612        | 8.704      | BB       | 133746         | 1411336      | 95.77%         | 5.096%        |
| 6                       | 8.846       | 8.817        | 8.907      | BB       | 71673          | 814531       | 55.27%         | 2.941%        |
| 7                       | 8.943       | 8.915        | 9.004      | BB       | 128739         | 1367689      | 92.81%         | 4.939%        |
| 8                       | 9.736       | 9.704        | 9.807      | BB       | 122724         | 1396110      | 94.74%         | 5.041%        |
| 9                       | 11.146      | 11.099       | 11.197     | BV       | 122957         | 1410660      | 95.72%         | 5.094%        |
| 10                      | 11.222      | 11.197       | 11.272     | VV       | 111852         | 1372213      | 93.12%         | 4.955%        |
| 11                      | 11.918      | 11.857       | 11.974     | BB       | 129511         | 1473663      | 100.00%        | 5.321%        |
| 12                      | 12.973      | 12.937       | 13.034     | BB       | 122679         | 1437068      | 97.52%         | 5.189%        |
| 13                      | 13.271      | 13.229       | 13.315     | BB       | 115001         | 1409735      | 95.66%         | 5.091%        |
| 14                      | 15.156      | 15.115       | 15.177     | BV       | 111197         | 1355370      | 91.97%         | 4.894%        |
| 15                      | 15.198      | 15.177       | 15.267     | VB       | 109553         | 1434548      | 97.35%         | 5.180%        |
| 16                      | 16.718      | 16.680       | 16.733     | BV       | 105892         | 1325261      | 89.93%         | 4.786%        |
| 17                      | 16.749      | 16.733       | 16.809     | VB       | 108345         | 1394802      | 94.65%         | 5.037%        |
| 18                      | 17.102      | 17.062       | 17.175     | BB       | 90569          | 1260891      | 85.56%         | 4.553%        |
| 19                      | 18.476      | 18.440       | 18.495     | BV       | 81657          | 1079071      | 73.22%         | 3.897%        |
| 20                      | 18.515      | 18.495       | 18.590     | VB       | 82738          | 1343184      | 91.15%         | 4.850%        |
| 21                      | 18.731      | 18.684       | 18.824     | BB       | 71398          | 1202673      | 81.61%         | 4.343%        |
| Sum of corrected areas: |             |              |            |          |                | 27692943     |                |               |

Aromatic EPH 031725.M Tue Mar 18 05:31:24 2025

|                   |                     |                    |                   |
|-------------------|---------------------|--------------------|-------------------|
| Lab Sample ID:    | 5 PPM AROMATIC HC S | Acq On:            | 17 Mar 2025 19:29 |
| Client Sample ID: |                     | Operator:          | YP\AJ             |
| Data file:        | FG015506.D          | Misc:              |                   |
| Instrument:       | FID_G               | ALS Vial:          | 75                |
| Dilution Factor:  | 1                   | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc   | Units |
|------------------|--------|--------|--------------|--------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 1344384.000  | 10.000 | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.044  | 2047703.000  | 15.000 | ug/ml |
| Aromatic C16-C21 | 9.045  | 13.372 | 2805377.000  | 20.000 | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.833 | 6011171.000  | 45.000 | ug/ml |
| Aromatic EPH     | 4.457  | 18.833 | 12208635.000 | 90.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
 Data File : FG015506.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Mar 2025 19:29  
 Operator : YP\AJ  
 Sample : 5 PPM AROMATIC HC STD5  
 Misc :  
 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e  
 Quant Time: Mar 18 05:06:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:03:12 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units  |
|------------------------------------|--------|------------|-------------|
| -----                              |        |            |             |
| System Monitoring Compounds        |        |            |             |
| 4) S 2-Bromonaphthalene (S...      | 7.969  | 602634     | 4.908 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 9.82%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.848  | 388125     | 4.613 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 9.23%       |
| 11) S ortho-Terphenyl (SURR)       | 11.917 | 752937     | 5.167 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 10.33%      |
| Target Compounds                   |        |            |             |
| 1) T 1,2,3-Trimethylbenzen...      | 4.559  | 681641     | 5.145 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.238  | 662743     | 4.897 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.339  | 651323     | 4.842 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.644  | 719825     | 5.054 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.943  | 676555     | 4.924 ug/ml |
| 8) T Fluorene (C16.55)             | 9.737  | 686185     | 4.876 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.147 | 715636     | 5.074 ug/ml |
| 10) T Anthracene (C19.43)          | 11.224 | 689297     | 5.025 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.973 | 729990     | 5.116 ug/ml |
| 13) T Pyrene (C20.8)               | 13.271 | 714259     | 5.081 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.158 | 670852     | 4.903 ug/ml |
| 15) T Chrysene (C27.41)            | 15.199 | 736510     | 5.290 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.720 | 656395     | 4.925 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.751 | 726748     | 5.369 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.104 | 637092     | 5.075 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.478 | 534014     | 4.889 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.517 | 705044     | 5.419 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.733 | 614526     | 5.174 ug/ml |
| -----                              |        |            |             |

(f)=RT Delta > 1/2 Window

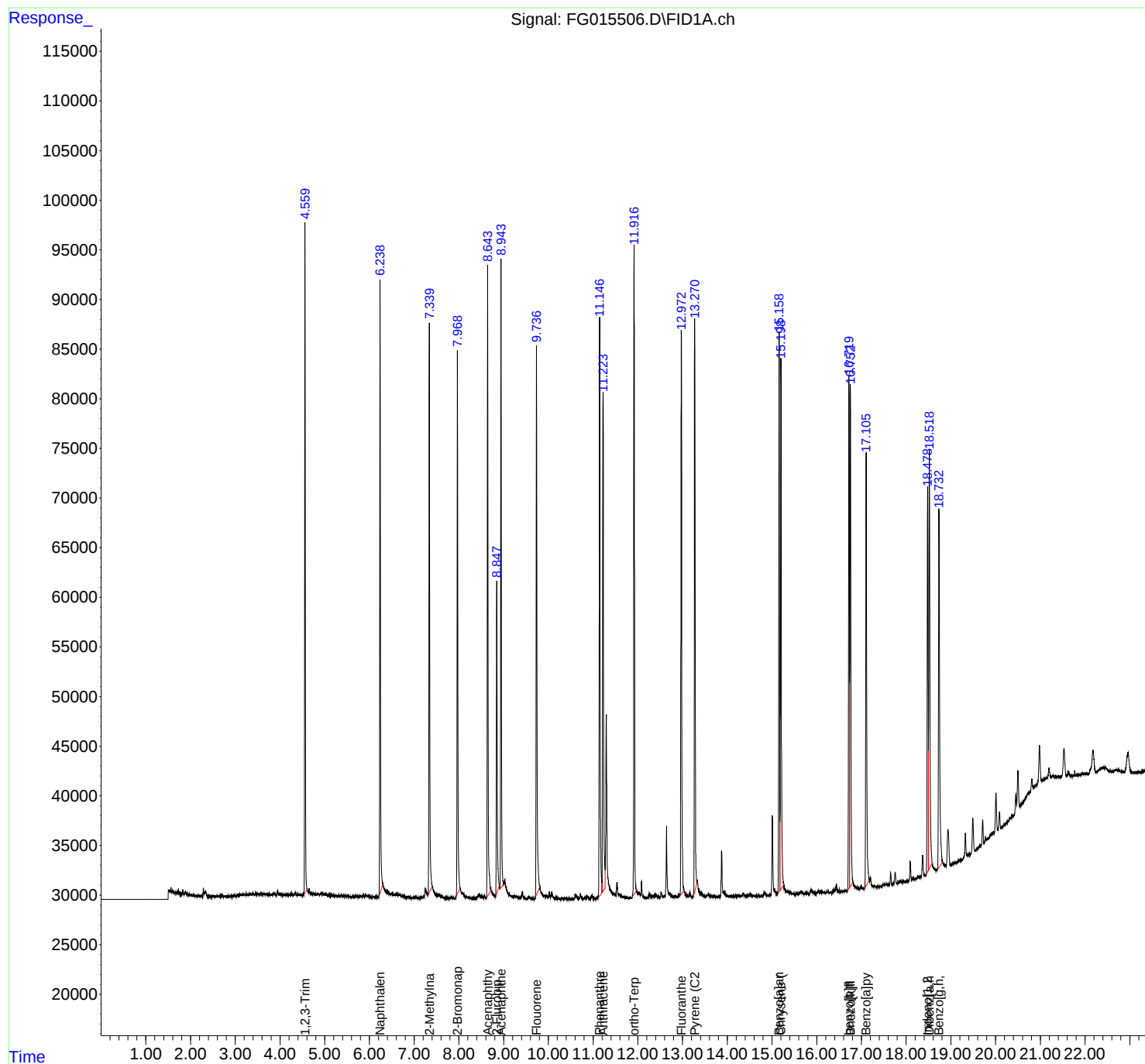
(m)=manual int.

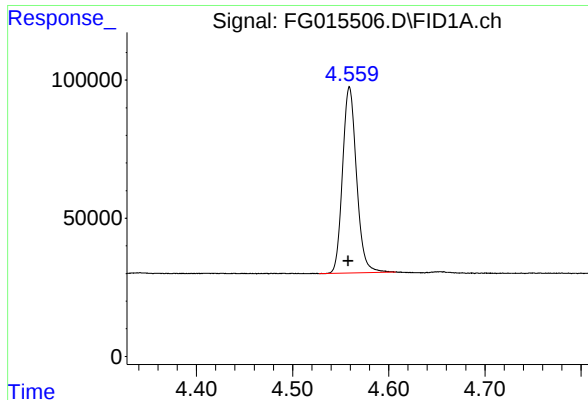
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015506.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 19:29  
Operator : YP\AJ  
Sample : 5 PPM AROMATIC HC STD5  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM AROMATIC HC STD5

Integration File: autoint1.e  
Quant Time: Mar 18 05:06:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:03:12 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

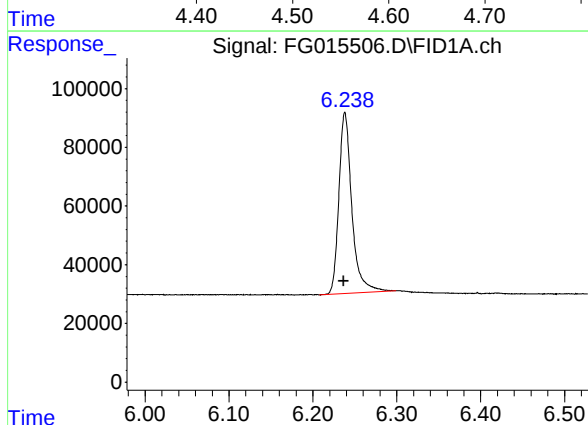




#1 1,2,3-Trimethylbenzene (C10.1)

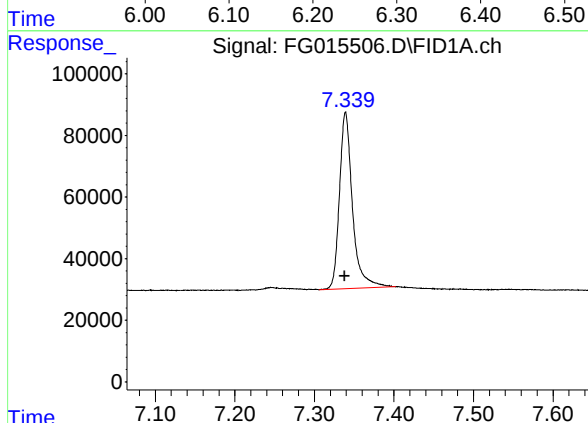
R.T.: 4.559 min  
Delta R.T.: 0.001 min  
Response: 681641  
Conc: 5.15 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM AROMATIC HC STD5



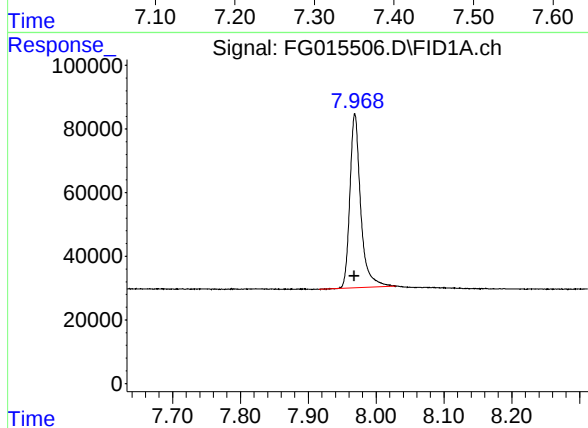
#2 Naphthalene (C11.7)

R.T.: 6.238 min  
Delta R.T.: 0.002 min  
Response: 662743  
Conc: 4.90 ug/ml



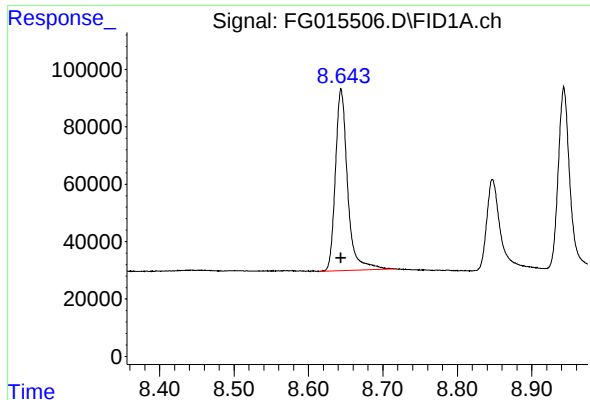
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.339 min  
Delta R.T.: 0.001 min  
Response: 651323  
Conc: 4.84 ug/ml



#4 2-Bromonaphthalene (SURR)

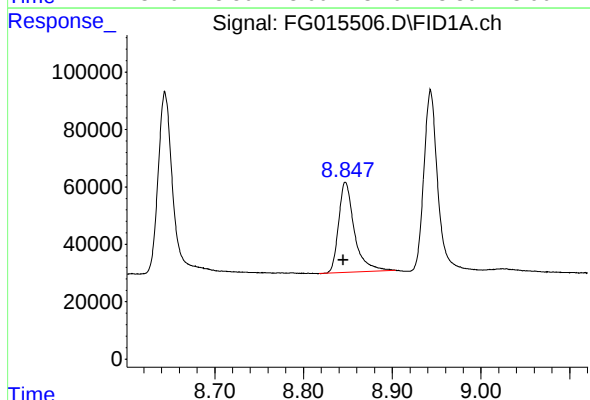
R.T.: 7.969 min  
Delta R.T.: 0.000 min  
Response: 602634  
Conc: 4.91 ug/ml



#5 Acenaphthylene (C15.06)

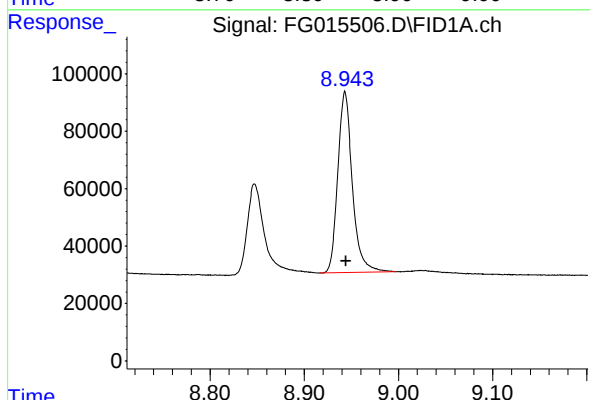
R.T.: 8.644 min  
Delta R.T.: 0.000 min  
Response: 719825  
Conc: 5.05 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM AROMATIC HC STD5



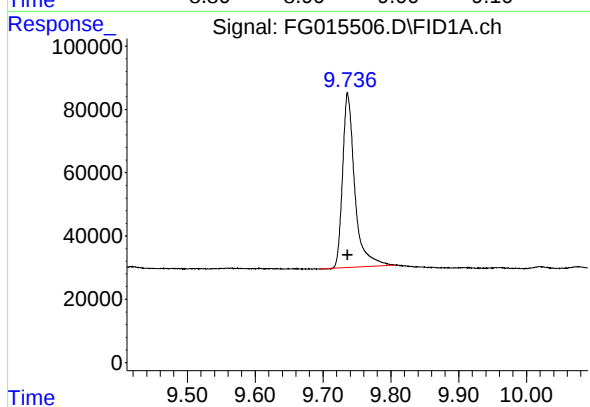
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.848 min  
Delta R.T.: 0.003 min  
Response: 388125  
Conc: 4.61 ug/ml



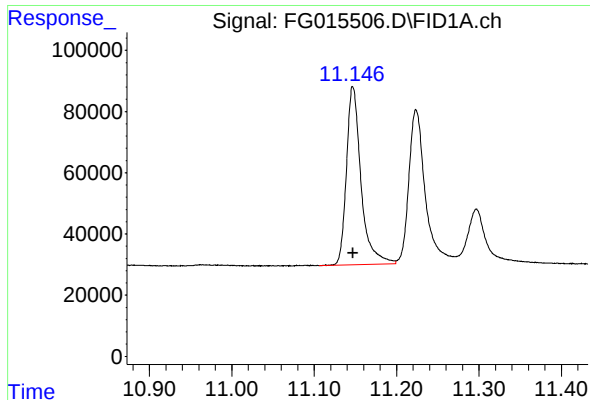
#7 Acenaphthene (C15.5)

R.T.: 8.943 min  
Delta R.T.: 0.000 min  
Response: 676555  
Conc: 4.92 ug/ml



#8 Fluorene (C16.55)

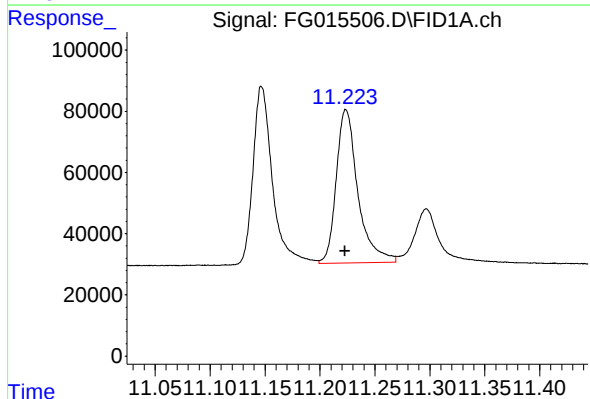
R.T.: 9.737 min  
Delta R.T.: 0.000 min  
Response: 686185  
Conc: 4.88 ug/ml



#9 Phenanthrene (C19.36)

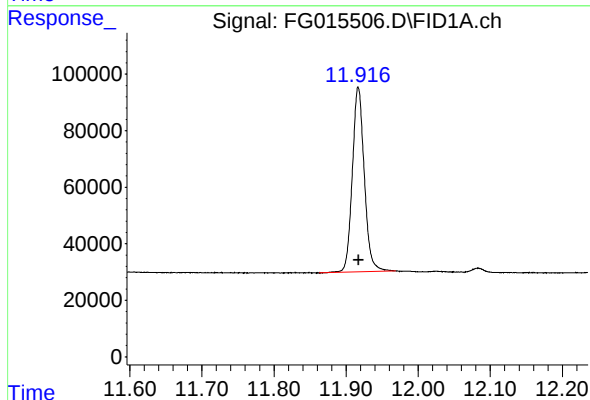
R.T.: 11.147 min  
Delta R.T.: 0.000 min  
Response: 715636  
Conc: 5.07 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM AROMATIC HC STD5



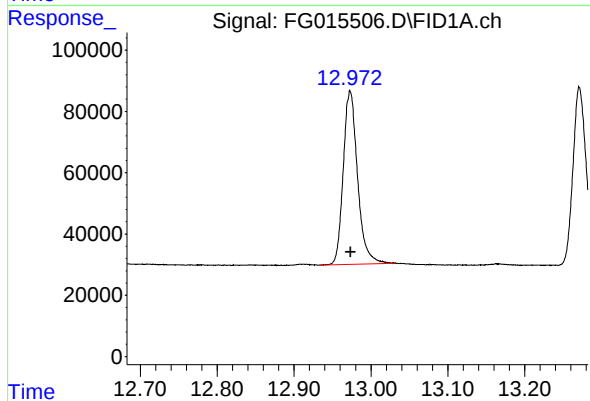
#10 Anthracene (C19.43)

R.T.: 11.224 min  
Delta R.T.: 0.001 min  
Response: 689297  
Conc: 5.03 ug/ml



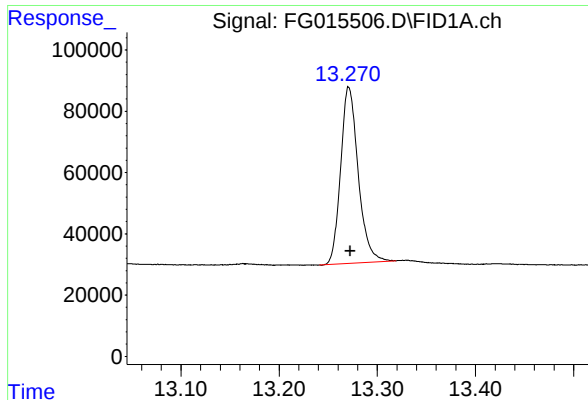
#11 ortho-Terphenyl (SURRE)

R.T.: 11.917 min  
Delta R.T.: 0.000 min  
Response: 752937  
Conc: 5.17 ug/ml



#12 Fluoranthene (C21.85)

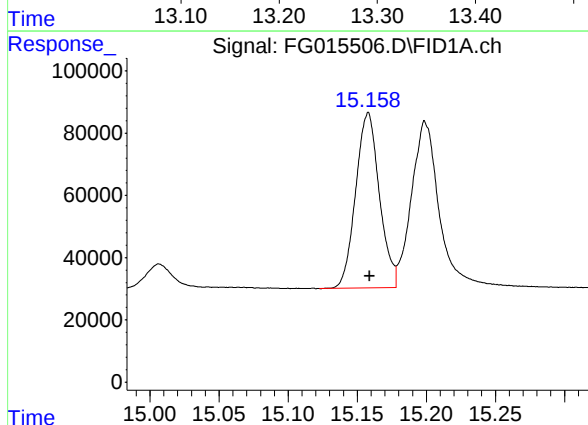
R.T.: 12.973 min  
Delta R.T.: 0.000 min  
Response: 729990  
Conc: 5.12 ug/ml



#13 Pyrene (C20.8)

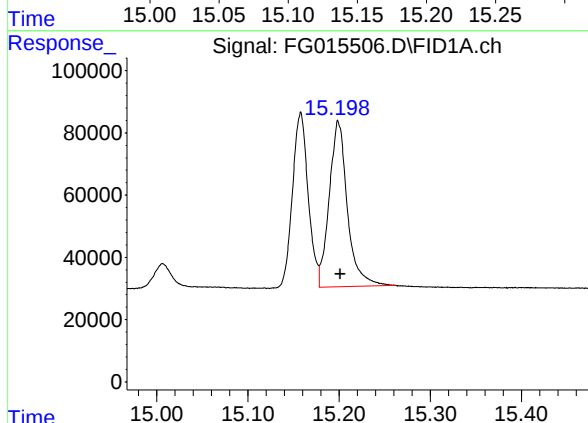
R.T.: 13.271 min  
Delta R.T.: -0.001 min  
Response: 714259  
Conc: 5.08 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM AROMATIC HC STD5



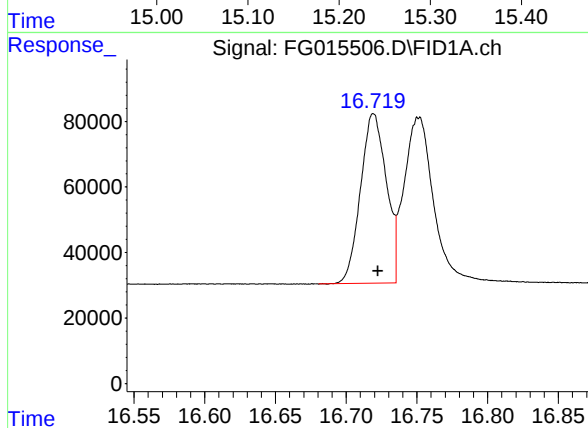
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.158 min  
Delta R.T.: -0.001 min  
Response: 670852  
Conc: 4.90 ug/ml



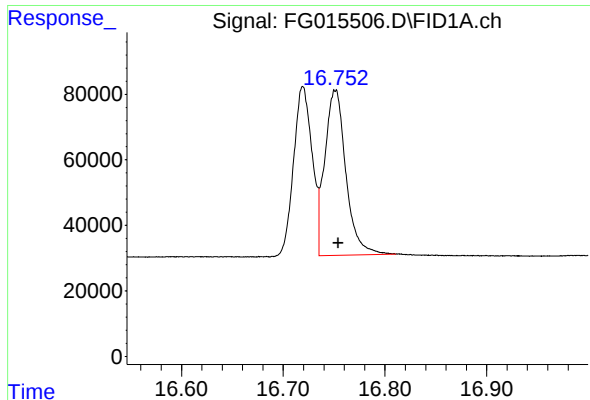
#15 Chrysene (C27.41)

R.T.: 15.199 min  
Delta R.T.: -0.002 min  
Response: 736510  
Conc: 5.29 ug/ml



#16 benzo[b]fluoranthene (C30.41)

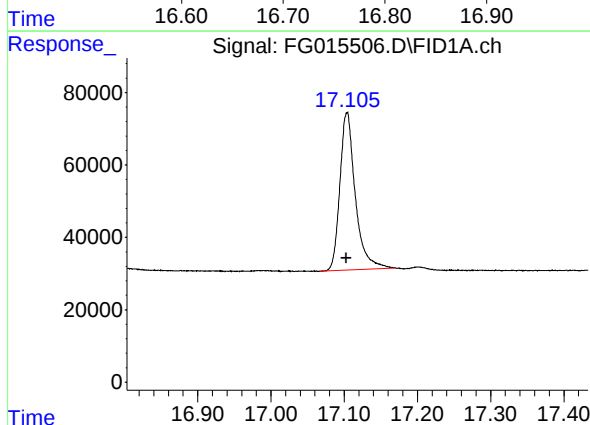
R.T.: 16.720 min  
Delta R.T.: -0.003 min  
Response: 656395  
Conc: 4.92 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

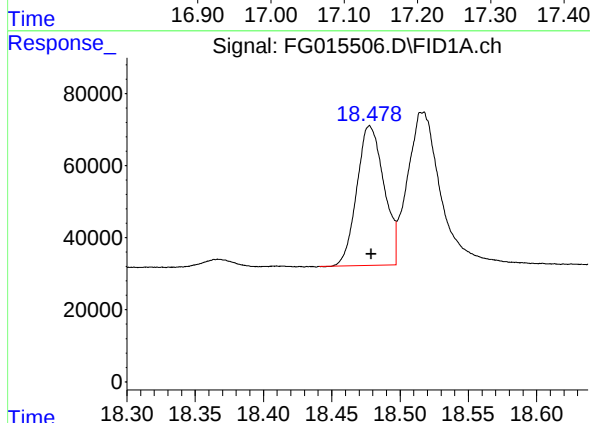
R.T.: 16.751 min  
Delta R.T.: -0.003 min  
Response: 726748  
Conc: 5.37 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM AROMATIC HC STD5



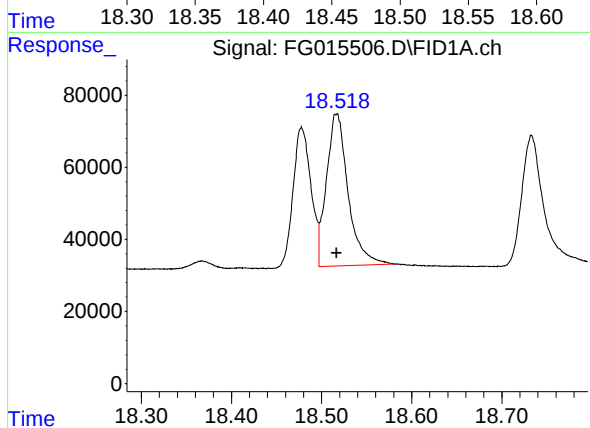
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.104 min  
Delta R.T.: 0.000 min  
Response: 637092  
Conc: 5.07 ug/ml



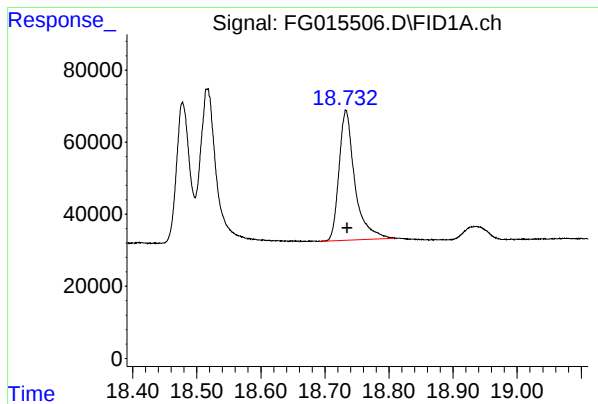
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min  
Delta R.T.: 0.000 min  
Response: 534014  
Conc: 4.89 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.517 min  
Delta R.T.: 0.000 min  
Response: 705044  
Conc: 5.42 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.733 min  
Delta R.T.: -0.002 min  
Response: 614526  
Conc: 5.17 ug/ml

Instrument :

FID\_G

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015506.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 19:29  
Sample : 5 PPM AROMATIC HC STD5  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.559       | 4.527        | 4.607      | BB       | 67365          | 681641       | 90.53%         | 4.885%        |
| 2                       | 6.238       | 6.207        | 6.299      | BB       | 61462          | 662743       | 88.02%         | 4.750%        |
| 3                       | 7.339       | 7.306        | 7.402      | BB       | 57294          | 651323       | 86.50%         | 4.668%        |
| 4                       | 7.969       | 7.916        | 8.029      | BB       | 54625          | 602634       | 80.04%         | 4.319%        |
| 5                       | 8.644       | 8.614        | 8.717      | BB       | 63210          | 719825       | 95.60%         | 5.159%        |
| 6                       | 8.848       | 8.817        | 8.904      | BB       | 31336          | 388125       | 51.55%         | 2.782%        |
| 7                       | 8.943       | 8.916        | 8.997      | BB       | 62940          | 676555       | 89.86%         | 4.849%        |
| 8                       | 9.737       | 9.694        | 9.807      | BB       | 54042          | 686185       | 91.13%         | 4.918%        |
| 9                       | 11.147      | 11.106       | 11.199     | BV       | 57886          | 715636       | 95.05%         | 5.129%        |
| 10                      | 11.224      | 11.199       | 11.269     | VV       | 50072          | 689297       | 91.55%         | 4.940%        |
| 11                      | 11.917      | 11.862       | 11.969     | BB       | 65171          | 752937       | 100.00%        | 5.396%        |
| 12                      | 12.973      | 12.932       | 13.032     | BB       | 56640          | 729990       | 96.95%         | 5.232%        |
| 13                      | 13.271      | 13.241       | 13.319     | BB       | 57601          | 714259       | 94.86%         | 5.119%        |
| 14                      | 15.158      | 15.122       | 15.178     | BV       | 56166          | 670852       | 89.10%         | 4.808%        |
| 15                      | 15.199      | 15.178       | 15.262     | VB       | 53126          | 736510       | 97.82%         | 5.279%        |
| 16                      | 16.720      | 16.681       | 16.735     | BV       | 51745          | 656395       | 87.18%         | 4.705%        |
| 17                      | 16.751      | 16.735       | 16.811     | VB       | 50451          | 726748       | 96.52%         | 5.209%        |
| 18                      | 17.104      | 17.066       | 17.171     | BB       | 43580          | 637092       | 84.61%         | 4.566%        |
| 19                      | 18.478      | 18.441       | 18.497     | BV       | 38656          | 534014       | 70.92%         | 3.827%        |
| 20                      | 18.517      | 18.497       | 18.582     | VB       | 42211          | 705044       | 93.64%         | 5.053%        |
| 21                      | 18.733      | 18.691       | 18.811     | BB       | 36181          | 614526       | 81.62%         | 4.404%        |
| Sum of corrected areas: |             |              |            |          |                | 13952331     |                |               |

Aromatic EPH 031725.M Tue Mar 18 05:31:46 2025

## Quantitation Report For Aromatic EPH Range.

|                   |                      |                    |                   |
|-------------------|----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC S | Acq On:            | 17 Mar 2025 19:59 |
| Client Sample ID: | 20 PPM AROMATIC HC S | Operator:          | YP\AJ             |
| Data file:        | FG015507.D           | Misc:              |                   |
| Instrument:       | FID_G                | ALS Vial:          | 76                |
| Dilution Factor:  | 1                    | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 5343719  | 39.88   | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.044  | 8274917  | 60.334  | 300              | ug/ml |
| Aromatic C16-C21          | 9.045  | 13.372 | 14028613 | 100.628 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.833 | 20551844 | 157.856 | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.833 | 48199093 | 358.698 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.918 | 11.918 | 2915333  | 19.99   |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.968  | 7.968  | 2456519  | 20.11   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.845  | 8.845  | 1686476  | 20.4    |                  | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
 Data File : FG015507.D  
 Signal(s) : FID1A.ch  
 Acq On : 17 Mar 2025 19:59  
 Operator : YP\AJ  
 Sample : 20 PPM AROMATIC HC STD ICV  
 Misc :  
 ALS Vial : 76 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e  
 Quant Time: Mar 18 05:14:40 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:13:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.968  | 2456519    | 20.110 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.22%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.845  | 1686476    | 20.403 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.81%       |
| 11) S ortho-Terphenyl (SURR)       | 11.918 | 2915333    | 19.991 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 39.98%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.558  | 2641903    | 19.881 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.237  | 2701816    | 19.998 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.338  | 2684162    | 20.122 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.644  | 2840710    | 20.057 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.944  | 2750045    | 20.157 ug/ml |
| 8) T Fluorene (C16.55)             | 9.736  | 2813686    | 20.155 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.146 | 2817182    | 19.997 ug/ml |
| 10) T Anthracene (C19.43)          | 11.222 | 2741355    | 20.033 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.973 | 2847782    | 19.970 ug/ml |
| 13) T Pyrene (C20.8)               | 13.272 | 2808608    | 20.017 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.159 | 2727508    | 20.110 ug/ml |
| 15) T Chrysene (C27.41)            | 15.201 | 2780462    | 19.862 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.721 | 2650809    | 20.061 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.752 | 2709173    | 19.842 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.103 | 2512163    | 20.033 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.478 | 2191508    | 19.697 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.515 | 2598451    | 20.193 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.733 | 2381770    | 19.932 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

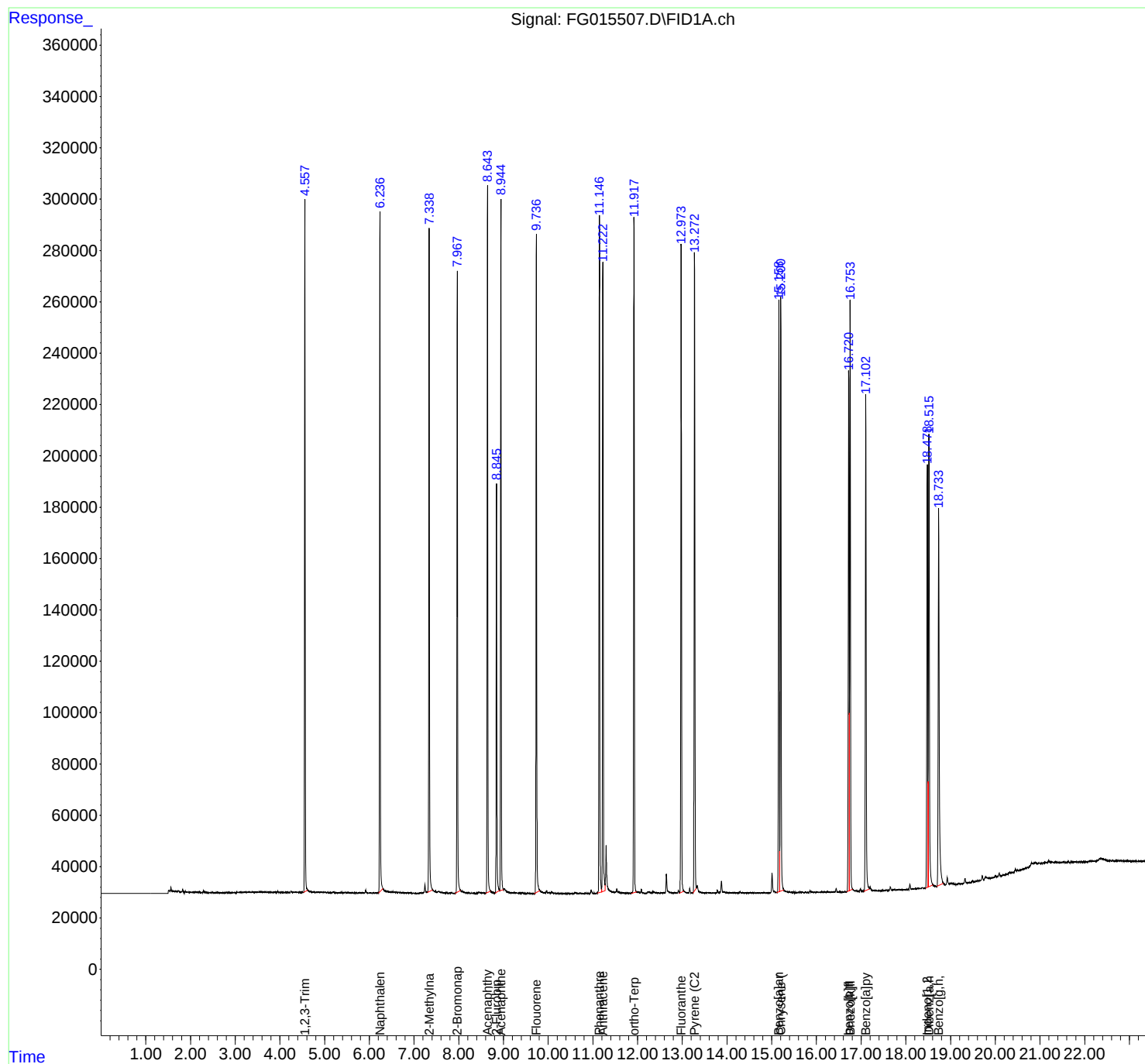
(m)=manual int.

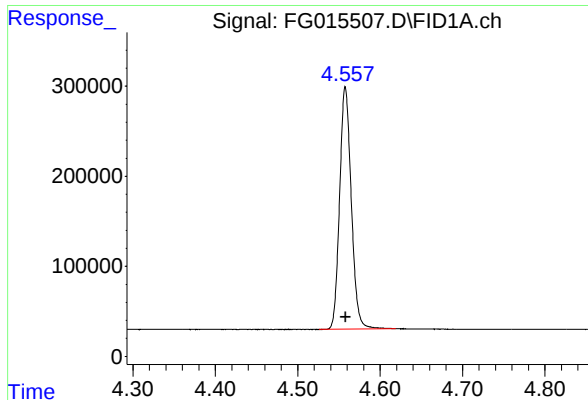
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015507.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 19:59  
Operator : YP\AJ  
Sample : 20 PPM AROMATIC HC STD ICV  
Misc :  
ALS Vial : 76 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e  
Quant Time: Mar 18 05:14:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:13:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

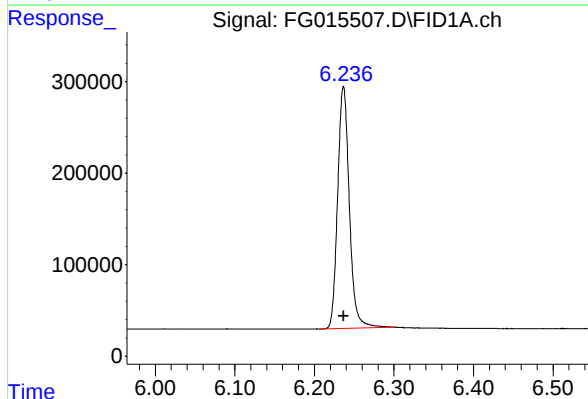




#1 1,2,3-Trimethylbenzene (C10.1)

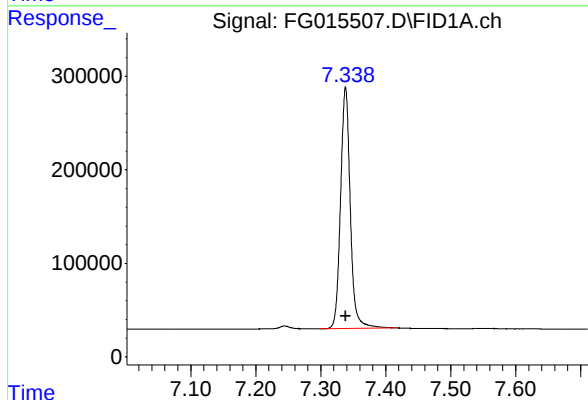
R.T.: 4.558 min  
Delta R.T.: 0.000 min  
Response: 2641903  
Conc: 19.88 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV



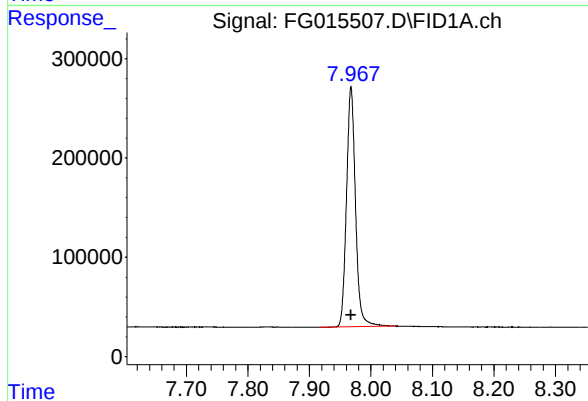
#2 Naphthalene (C11.7)

R.T.: 6.237 min  
Delta R.T.: 0.000 min  
Response: 2701816  
Conc: 20.00 ug/ml



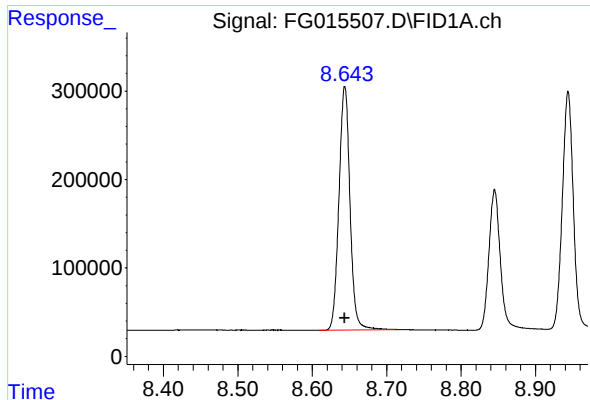
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min  
Delta R.T.: 0.000 min  
Response: 2684162  
Conc: 20.12 ug/ml



#4 2-Bromonaphthalene (SURR)

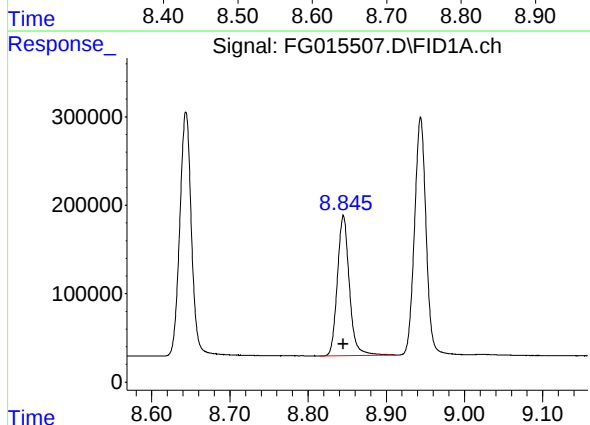
R.T.: 7.968 min  
Delta R.T.: 0.000 min  
Response: 2456519  
Conc: 20.11 ug/ml



#5 Acenaphthylene (C15.06)

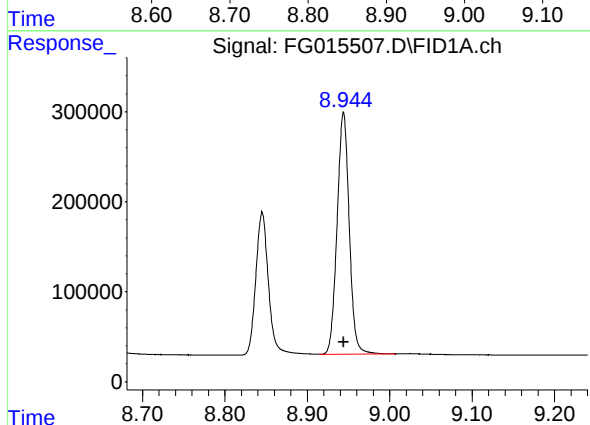
R.T.: 8.644 min  
Delta R.T.: 0.000 min  
Response: 2840710  
Conc: 20.06 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV



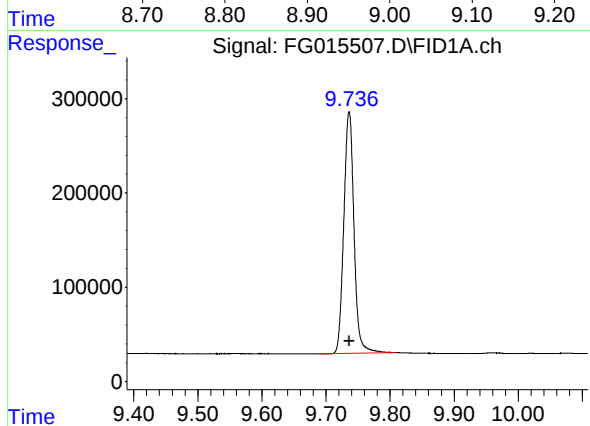
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min  
Delta R.T.: 0.000 min  
Response: 1686476  
Conc: 20.40 ug/ml



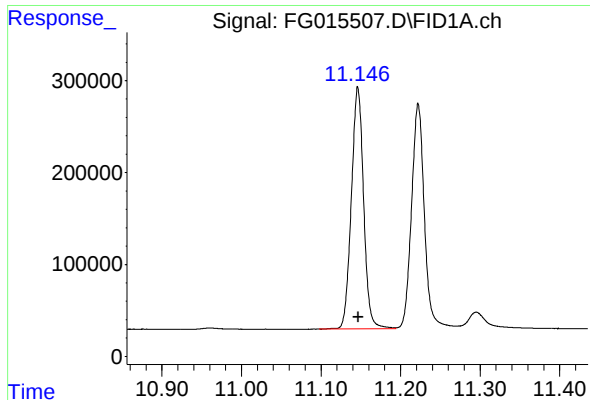
#7 Acenaphthene (C15.5)

R.T.: 8.944 min  
Delta R.T.: 0.000 min  
Response: 2750045  
Conc: 20.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.736 min  
Delta R.T.: 0.000 min  
Response: 2813686  
Conc: 20.15 ug/ml



#9 Phenanthrene (C19.36)

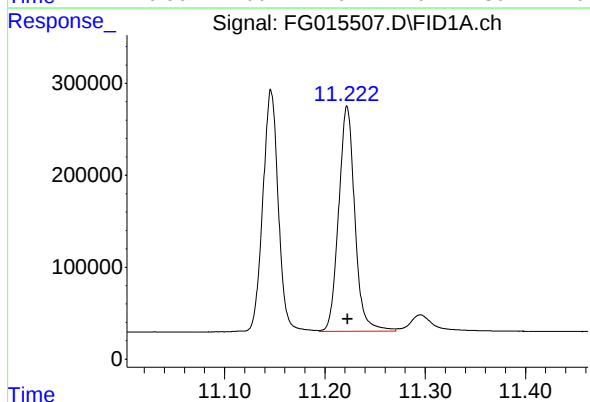
R.T.: 11.146 min  
Delta R.T.: 0.000 min  
Response: 2817182  
Conc: 20.00 ug/ml

Instrument :

FID\_G

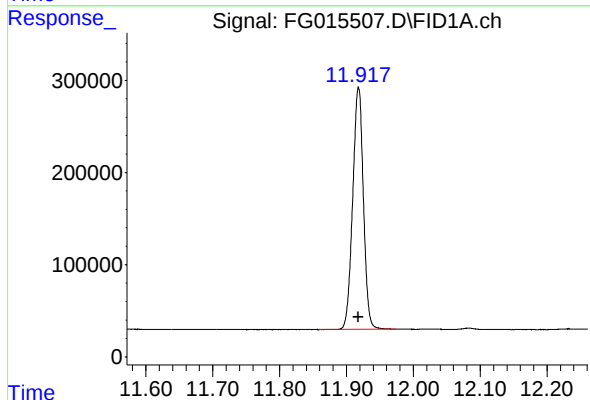
ClientSampleId :

20 PPM AROMATIC HC STD ICV



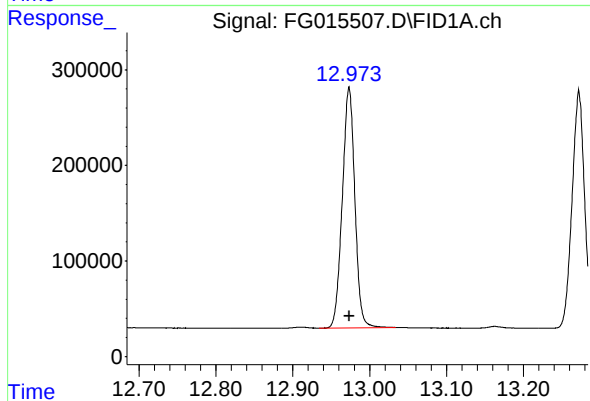
#10 Anthracene (C19.43)

R.T.: 11.222 min  
Delta R.T.: 0.000 min  
Response: 2741355  
Conc: 20.03 ug/ml



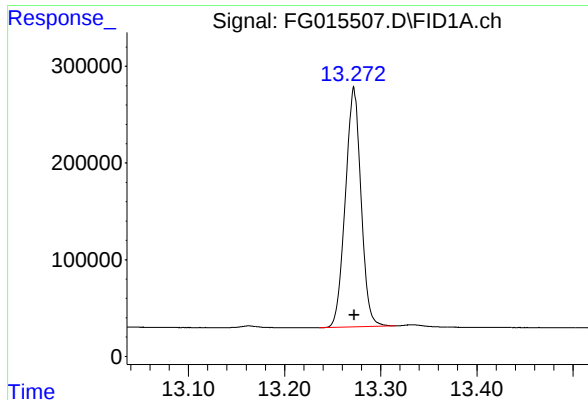
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min  
Delta R.T.: 0.000 min  
Response: 2915333  
Conc: 19.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.973 min  
Delta R.T.: 0.000 min  
Response: 2847782  
Conc: 19.97 ug/ml



#13 Pyrene (C20.8)

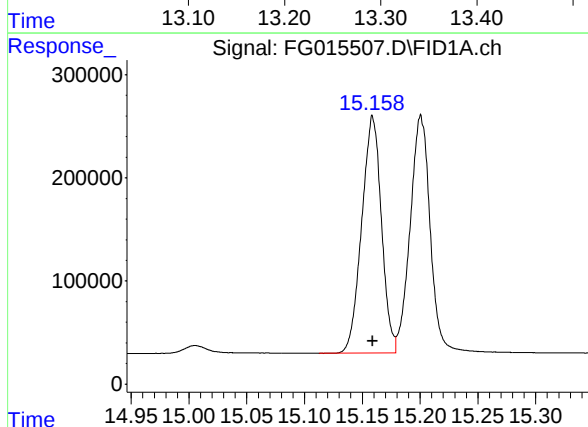
R.T.: 13.272 min  
Delta R.T.: 0.000 min  
Response: 2808608  
Conc: 20.02 ug/ml

Instrument :

FID\_G

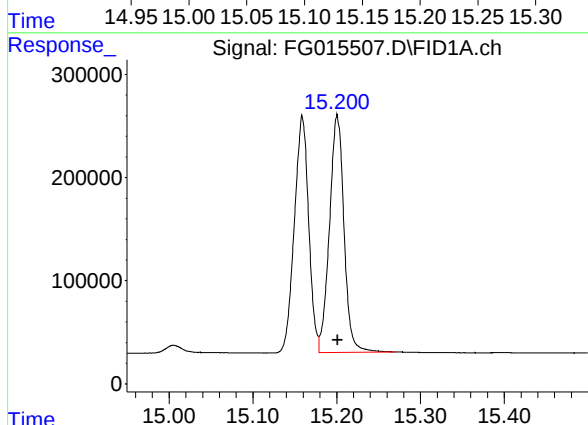
ClientSampleId :

20 PPM AROMATIC HC STD ICV



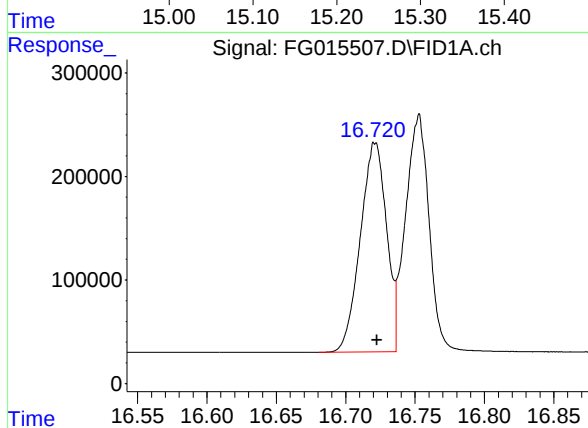
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min  
Delta R.T.: 0.000 min  
Response: 2727508  
Conc: 20.11 ug/ml



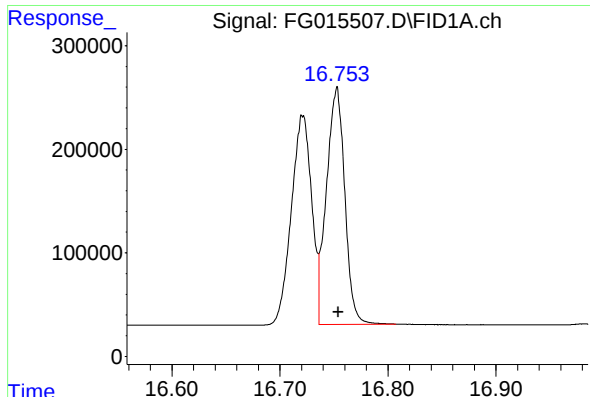
#15 Chrysene (C27.41)

R.T.: 15.201 min  
Delta R.T.: 0.000 min  
Response: 2780462  
Conc: 19.86 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.721 min  
Delta R.T.: -0.001 min  
Response: 2650809  
Conc: 20.06 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

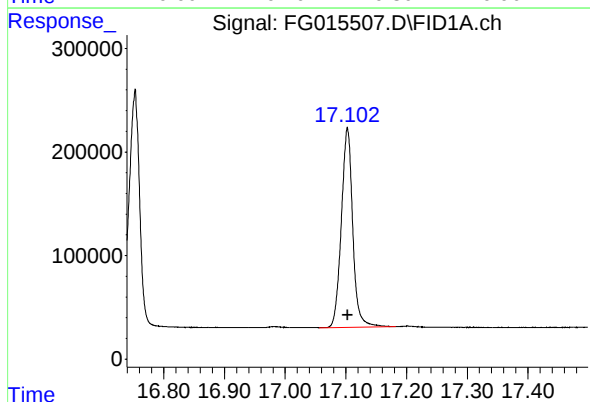
R.T.: 16.752 min  
Delta R.T.: -0.002 min  
Response: 2709173  
Conc: 19.84 ug/ml

Instrument :

FID\_G

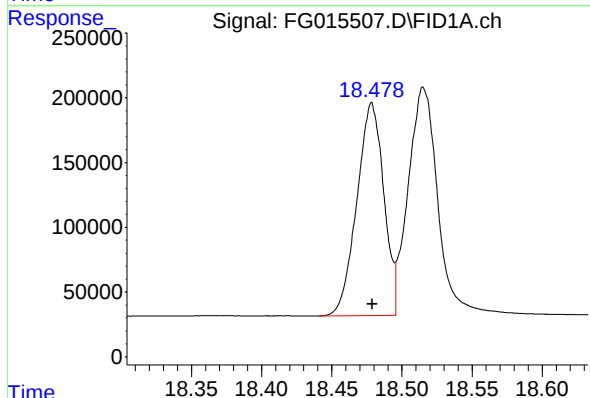
ClientSampleId :

20 PPM AROMATIC HC STD ICV



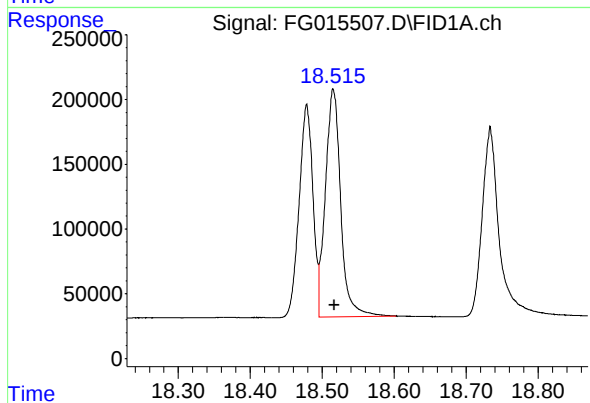
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min  
Delta R.T.: 0.000 min  
Response: 2512163  
Conc: 20.03 ug/ml



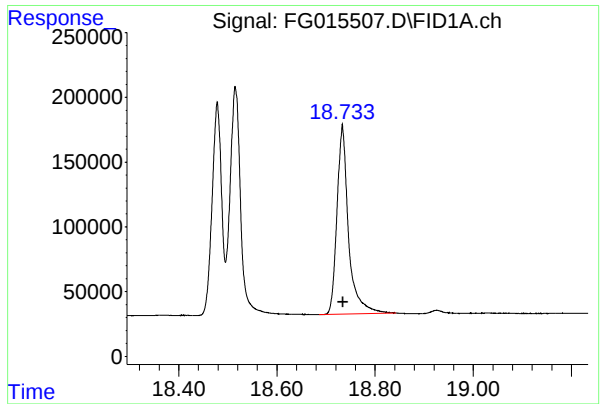
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min  
Delta R.T.: 0.000 min  
Response: 2191508  
Conc: 19.70 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.515 min  
Delta R.T.: -0.001 min  
Response: 2598451  
Conc: 20.19 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.733 min  
Delta R.T.: -0.001 min  
Response: 2381770  
Conc: 19.93 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031725AR\  
Data File : FG015507.D  
Signal(s) : FID1A.ch  
Acq On : 17 Mar 2025 19:59  
Sample : 20 PPM AROMATIC HC STD ICV  
Misc :  
ALS Vial : 76 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.558       | 4.526        | 4.619      | BB       | 269068         | 2641903      | 90.62%         | 4.781%        |
| 2                       | 6.237       | 6.206        | 6.302      | BB       | 264619         | 2701816      | 92.68%         | 4.890%        |
| 3                       | 7.338       | 7.297        | 7.416      | BB       | 258081         | 2684162      | 92.07%         | 4.858%        |
| 4                       | 7.968       | 7.916        | 8.041      | BB       | 241447         | 2456519      | 84.26%         | 4.446%        |
| 5                       | 8.644       | 8.609        | 8.712      | BB       | 275828         | 2840710      | 97.44%         | 5.141%        |
| 6                       | 8.845       | 8.814        | 8.912      | BB       | 158538         | 1686476      | 57.85%         | 3.052%        |
| 7                       | 8.944       | 8.914        | 9.007      | BB       | 269222         | 2750045      | 94.33%         | 4.977%        |
| 8                       | 9.736       | 9.689        | 9.809      | BB       | 256603         | 2813686      | 96.51%         | 5.092%        |
| 9                       | 11.146      | 11.097       | 11.194     | BV       | 263586         | 2817182      | 96.63%         | 5.098%        |
| 10                      | 11.222      | 11.194       | 11.271     | VV       | 244559         | 2741355      | 94.03%         | 4.961%        |
| 11                      | 11.918      | 11.859       | 11.974     | BB       | 262789         | 2915333      | 100.00%        | 5.276%        |
| 12                      | 12.973      | 12.934       | 13.034     | BB       | 250426         | 2847782      | 97.68%         | 5.154%        |
| 13                      | 13.272      | 13.236       | 13.316     | BV       | 247435         | 2808608      | 96.34%         | 5.083%        |
| 14                      | 15.159      | 15.112       | 15.179     | BV       | 229610         | 2727508      | 93.56%         | 4.936%        |
| 15                      | 15.201      | 15.179       | 15.271     | VB       | 229818         | 2780462      | 95.37%         | 5.032%        |
| 16                      | 16.721      | 16.681       | 16.736     | BV       | 202169         | 2650809      | 90.93%         | 4.797%        |
| 17                      | 16.752      | 16.736       | 16.807     | VB       | 228028         | 2709173      | 92.93%         | 4.903%        |
| 18                      | 17.103      | 17.056       | 17.182     | BB       | 192942         | 2512163      | 86.17%         | 4.546%        |
| 19                      | 18.478      | 18.441       | 18.496     | BV       | 164329         | 2191508      | 75.17%         | 3.966%        |
| 20                      | 18.515      | 18.496       | 18.602     | VB       | 175375         | 2598451      | 89.13%         | 4.702%        |
| 21                      | 18.733      | 18.686       | 18.842     | BB       | 145615         | 2381770      | 81.70%         | 4.310%        |
| Sum of corrected areas: |             |              |            |          |                |              | 55257421       |               |

Aromatic EPH 031725.M Tue Mar 18 05:32:04 2025