

Initial Calibration Report for SequenceID : FF110724AR

**AreaCount**

| Parameter Range  | FF014962.D    | FF014963.D    | FF014964.D   | FF014965.D   | FF014966.D   |  |
|------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aromatic C10-C12 | 28868680.000  | 14964226.000  | 6421161.000  | 3185522.000  | 1590554.000  |  |
| Aromatic C12-C16 | 42990163.000  | 22411819.000  | 9573963.000  | 4746219.000  | 2359773.000  |  |
| Aromatic C16-C21 | 52959773.000  | 27582673.000  | 11784805.000 | 5857283.000  | 2928525.000  |  |
| Aromatic C21-C36 | 114141628.000 | 59439163.000  | 25697983.000 | 12790702.000 | 6588390.000  |  |
| Aromatic EPH     | 238960244.000 | 124397881.000 | 53477912.000 | 26579726.000 | 13467242.000 |  |

**AVG Response Factor**

| Parameter Range  | AVG RF         | % RSD |  |  |  |  |
|------------------|----------------|-------|--|--|--|--|
| Aromatic C10-C12 | 154569.237     | 4.65  |  |  |  |  |
| Aromatic C12-C16 | 153560.8439998 | 4.538 |  |  |  |  |
| Aromatic C16-C21 | 142096.237     | 4.672 |  |  |  |  |
| Aromatic C21-C36 | 138041.0419996 | 5.954 |  |  |  |  |
| Aromatic EPH     | 143365.2962218 | 5.217 |  |  |  |  |

**Concentration**

| Parameter Range  | FF014962.D | FF014963.D | FF014964.D | FF014965.D | FF014966.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  | FF014962.D    | FF014963.D    | FF014964.D    | FF014965.D    | FF014966.D    |  |
|------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aromatic C10-C12 | 144343.400000 | 149642.260000 | 160529.025000 | 159276.100000 | 159055.400000 |  |
| Aromatic C12-C16 | 143300.543333 | 149412.126666 | 159566.050000 | 158207.300000 | 157318.200000 |  |
| Aromatic C16-C21 | 132399.432500 | 137913.365000 | 147310.062500 | 146432.075000 | 146426.250000 |  |
| Aromatic C21-C36 | 126824.031111 | 132087.028888 | 142766.572222 | 142118.911111 | 146408.666666 |  |
| Aromatic EPH     | 132755.691111 | 138219.867777 | 148549.755555 | 147665.144444 | 149636.022222 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
 Data File : FF014962.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Nov 2024 17:49  
 Operator : YP\AJ  
 Sample : 100 PPM AROMATIC HC STD1  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e  
 Quant Time: Nov 08 08:44:45 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 08 08:43:02 2024  
 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...      | 8.004  | 12422962   | 89.821 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 179.64%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.881  | 8355385    | 90.230 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 180.46%#      |
| 11) S ortho-Terphenyl (SURR)       | 11.942 | 13667242   | 89.500 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 179.00%       |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.619  | 14196718   | 89.652 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.286  | 14671962   | 90.176 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.381  | 14656666   | 89.717 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.682  | 14182124   | 89.879 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.983  | 14151373   | 89.827 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.772  | 13843456   | 90.021 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.179 | 13560434   | 90.188 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.255 | 12697609   | 89.257 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 13.002 | 13042482   | 90.173 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.302 | 12858274   | 90.017 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.182 | 12370256   | 89.854 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.230 | 12487877   | 89.463 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.745 | 12785171   | 90.126 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.784 | 11850586   | 89.286 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.129 | 12555477   | 89.465 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.505 | 13034406   | 92.356 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 18.545 | 12452315   | 81.023 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.769 | 13563058   | 88.499 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014962.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 17:49  
Operator : YP\AJ  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

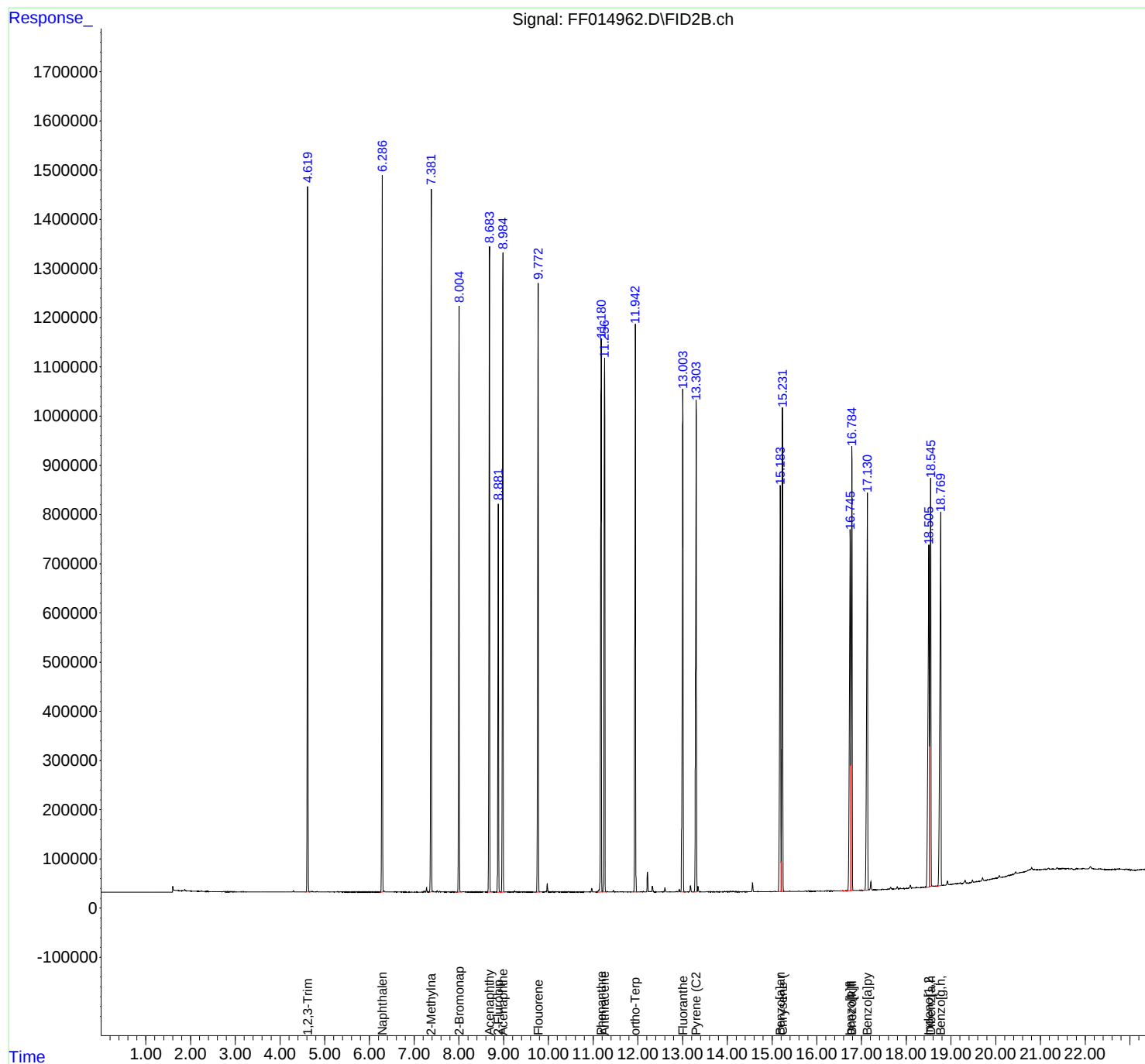
Instrument :  
FID\_F  
ClientSampleId :  
100 PPM AROMATIC HC STD1

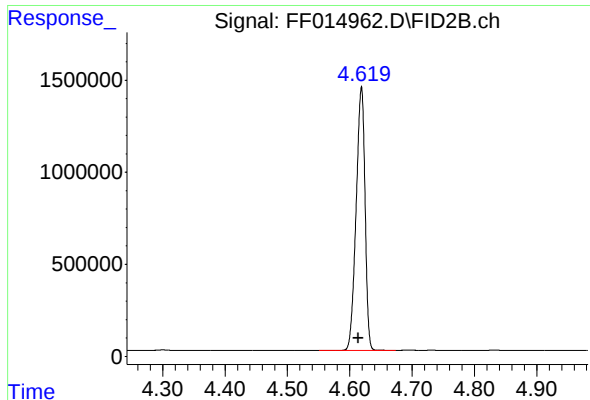
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e  
Quant Time: Nov 08 08:44:45 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Quant Title : GC Extractables  
QLast Update : Fri Nov 08 08:43:02 2024  
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.: 4.619 min  
Delta R.T.: 0.005 min  
Response: 14196718  
Conc: 89.65 ug/ml

Instrument :

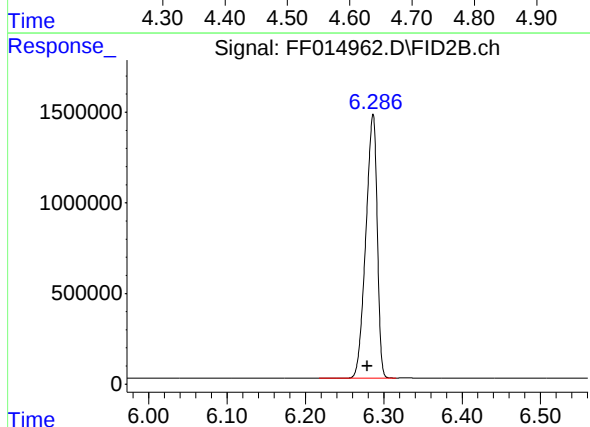
FID\_F

ClientSampleId :

100 PPM AROMATIC HC STD1

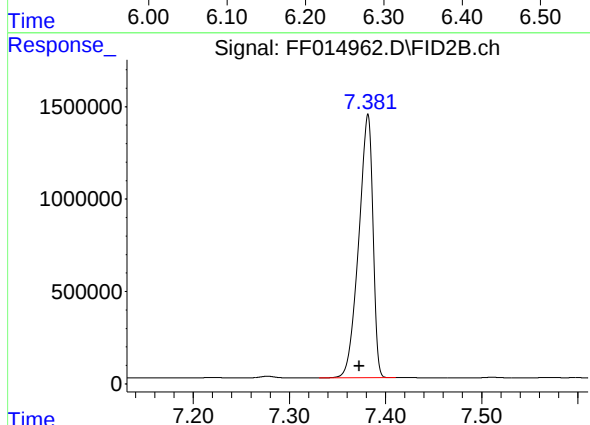
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Supervised By :Ankita Jodhani 11/08/2024



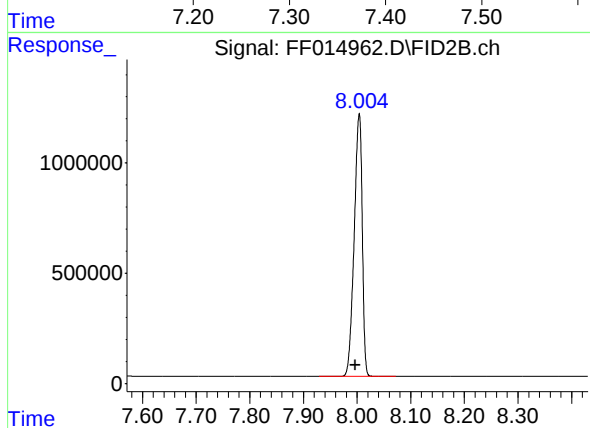
#2 Naphthalene (C11.7)

R.T.: 6.286 min  
Delta R.T.: 0.007 min  
Response: 14671962  
Conc: 90.18 ug/ml



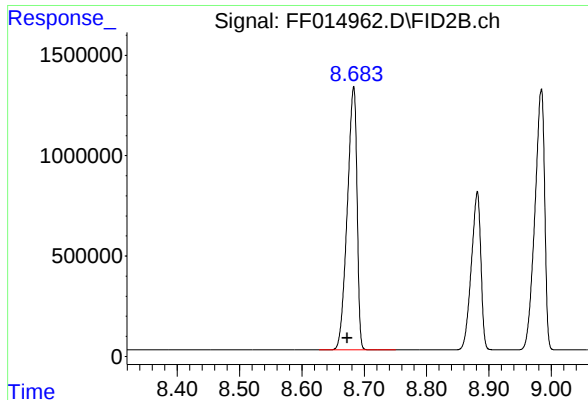
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.381 min  
Delta R.T.: 0.008 min  
Response: 14656666  
Conc: 89.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.004 min  
Delta R.T.: 0.007 min  
Response: 12422962  
Conc: 89.82 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.682 min  
Delta R.T.: 0.010 min  
Response: 14182124  
Conc: 89.88 ug/ml

Instrument :

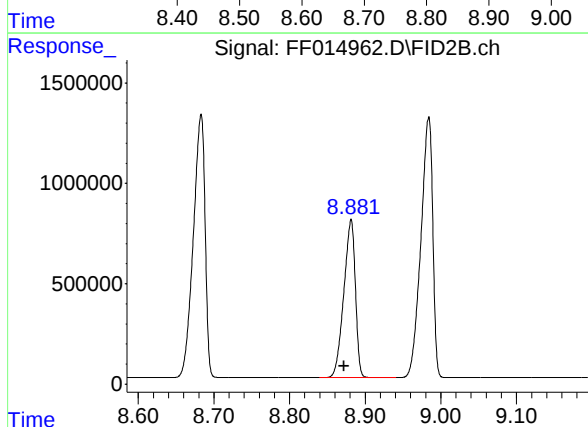
FID\_F

ClientSampleId :

100 PPM AROMATIC HC STD1

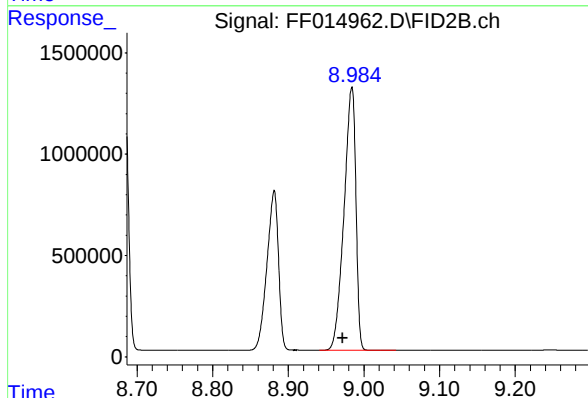
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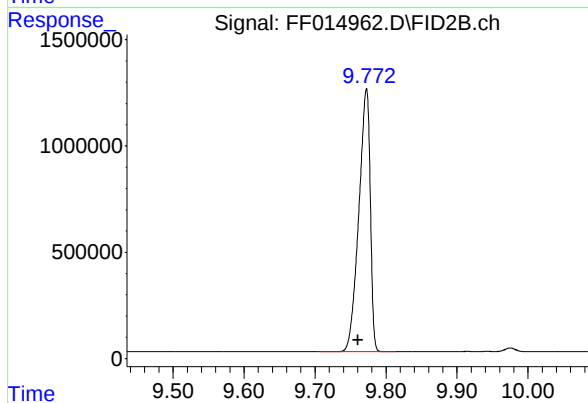
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.881 min  
Delta R.T.: 0.009 min  
Response: 8355385  
Conc: 90.23 ug/ml



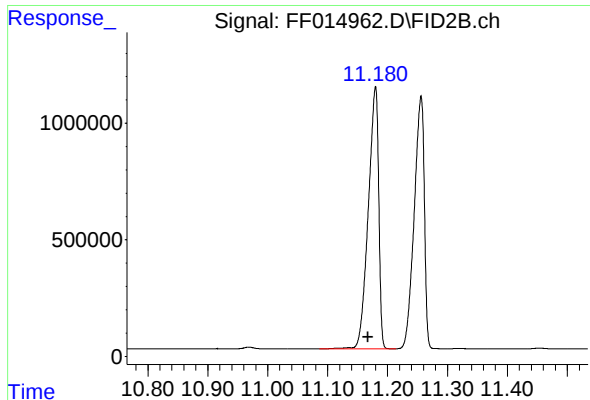
#7 Acenaphthene (C15.5)

R.T.: 8.983 min  
Delta R.T.: 0.011 min  
Response: 14151373  
Conc: 89.83 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.772 min  
Delta R.T.: 0.011 min  
Response: 13843456  
Conc: 90.02 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.179 min  
Delta R.T.: 0.012 min  
Response: 13560434  
Conc: 90.19 ug/ml

Instrument :

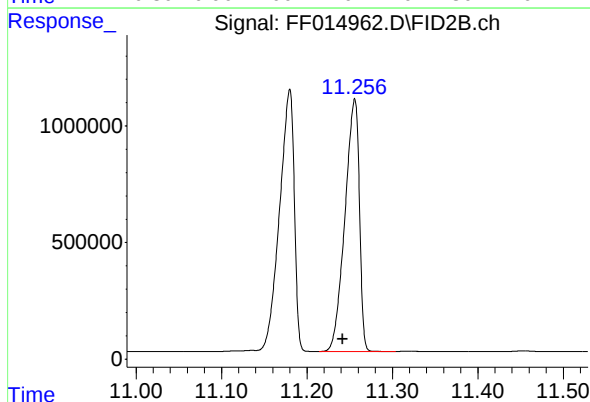
FID\_F

ClientSampleId :

100 PPM AROMATIC HC STD1

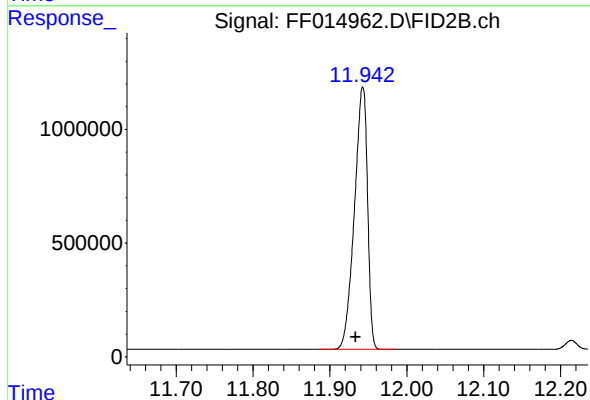
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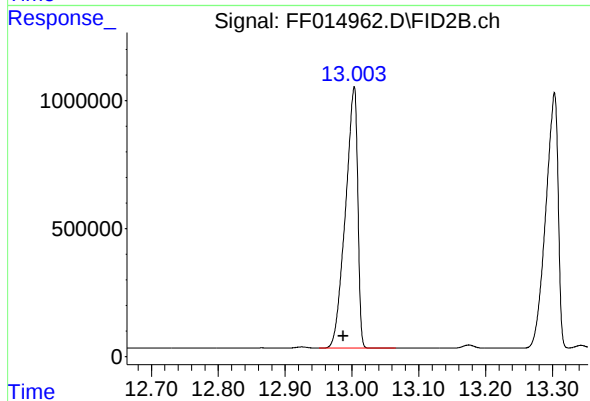
#10 Anthracene (C19.43)

R.T.: 11.255 min  
Delta R.T.: 0.013 min  
Response: 12697609  
Conc: 89.26 ug/ml



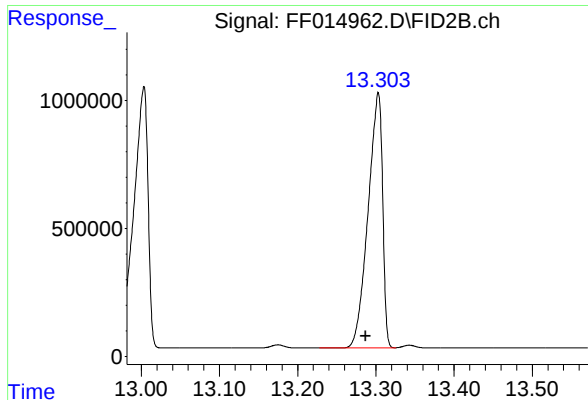
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min  
Delta R.T.: 0.009 min  
Response: 13667242  
Conc: 89.50 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.002 min  
Delta R.T.: 0.015 min  
Response: 13042482  
Conc: 90.17 ug/ml



# #13 Pyrene (C20.8)

R.T.: 13.302 min  
Delta R.T.: 0.016 min  
Response: 12858274  
Conc: 90.02 ug/ml

Instrument :

FID\_F

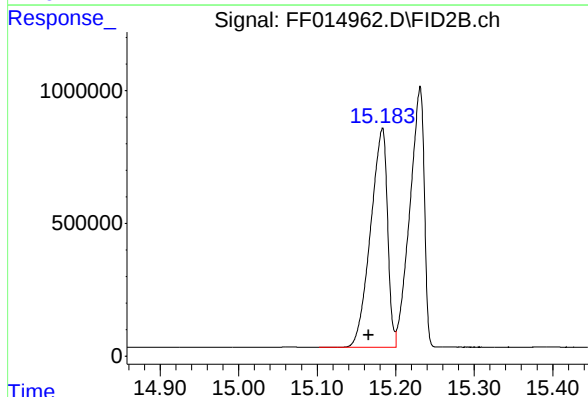
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

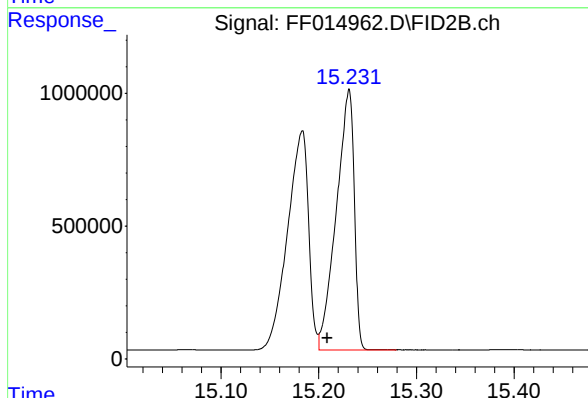
APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



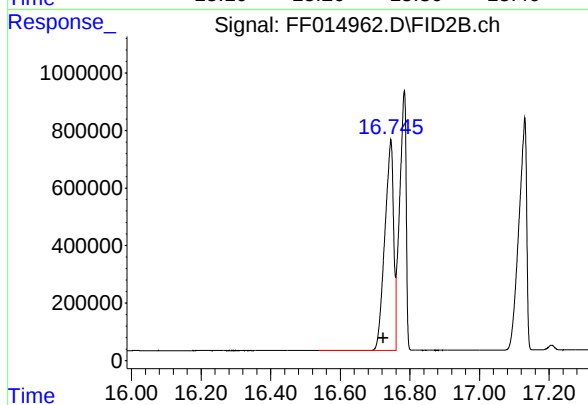
# #14 Benzo[a]anthracene (C26.37)

R.T.: 15.182 min  
Delta R.T.: 0.017 min  
Response: 12370256  
Conc: 89.85 ug/ml



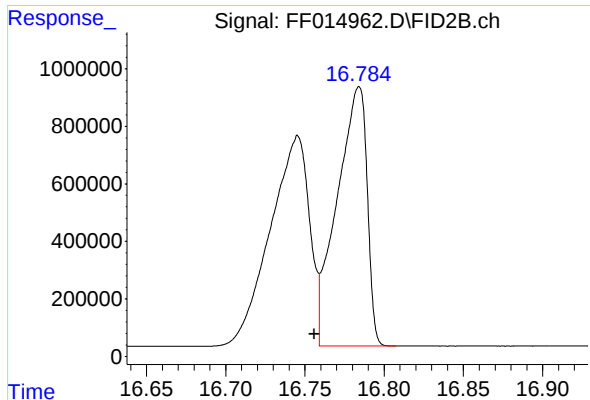
# #15 Chrysene (C27.41)

R.T.: 15.230 min  
Delta R.T.: 0.021 min  
Response: 12487877  
Conc: 89.46 ug/ml



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

R.T.: 16.745 min  
Delta R.T.: 0.021 min  
Response: 12785171  
Conc: 90.13 ug/ml



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

R.T.: 16.784 min  
Delta R.T.: 0.028 min  
Response: 11850586  
Conc: 89.29 ug/ml

Instrument :

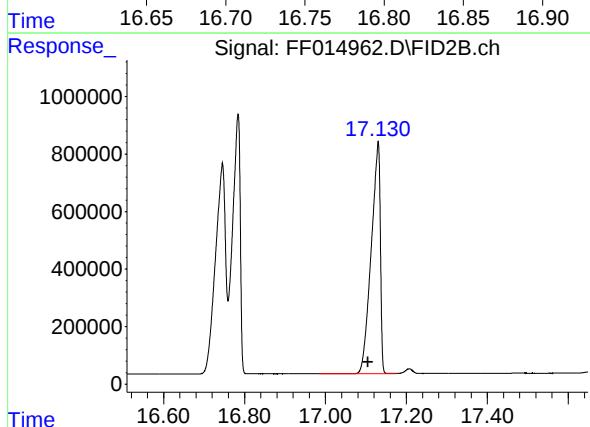
FID\_F

ClientSampleId :

100 PPM AROMATIC HC STD1

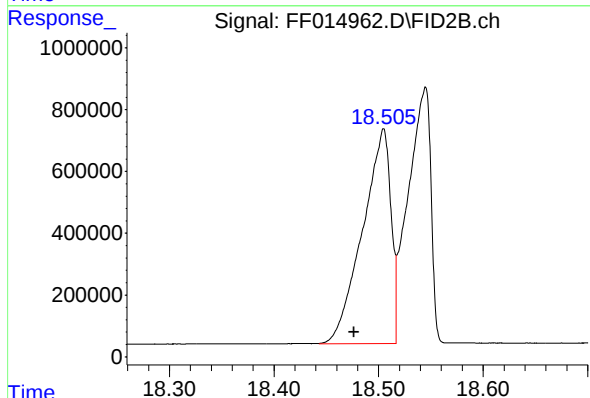
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



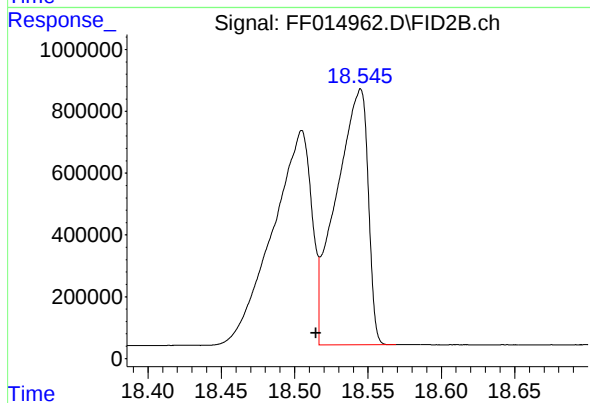
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.129 min  
Delta R.T.: 0.024 min  
Response: 12555477  
Conc: 89.47 ug/ml



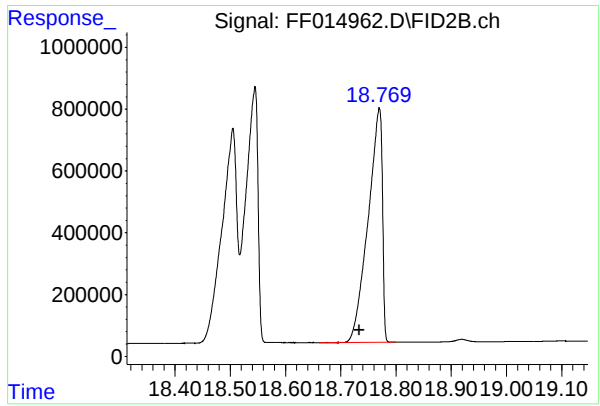
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.505 min  
Delta R.T.: 0.029 min  
Response: 13034406  
Conc: 92.36 ug/ml m



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

R.T.: 18.545 min  
Delta R.T.: 0.030 min  
Response: 12452315  
Conc: 81.02 ug/ml m



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

R.T.: 18.769 min  
Delta R.T.: 0.035 min  
Response: 13563058  
Conc: 88.50 ug/ml

Instrument :

FID\_F

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724  
Data File : FF014962.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 17:49  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Title : GC Extractables

Signal : FID2B.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                       | 4.619       | 4.551        | 4.674      | BV       | 1439542        | 14196718     | 96.76%         | 5.194%        |
| 2                       | 6.286       | 6.217        | 6.316      | BV       | 1455243        | 14671962     | 100.00%        | 5.368%        |
| 3                       | 7.381       | 7.331        | 7.411      | BV       | 1417689        | 14656666     | 99.90%         | 5.362%        |
| 4                       | 8.004       | 7.929        | 8.072      | BV       | 1193565        | 12422962     | 84.67%         | 4.545%        |
| 5                       | 8.682       | 8.627        | 8.751      | BB       | 1308832        | 14182124     | 96.66%         | 5.189%        |
| 6                       | 8.881       | 8.839        | 8.941      | BV       | 785823         | 8355385      | 56.95%         | 3.057%        |
| 7                       | 8.983       | 8.941        | 9.042      | VB       | 1301146        | 14151373     | 96.45%         | 5.177%        |
| 8                       | 9.772       | 9.706        | 9.814      | BB       | 1240764        | 13843456     | 94.35%         | 5.065%        |
| 9                       | 11.179      | 11.086       | 11.214     | BV       | 1120248        | 13560434     | 92.42%         | 4.961%        |
| 10                      | 11.255      | 11.214       | 11.304     | VV       | 1086803        | 12697609     | 86.54%         | 4.645%        |
| 11                      | 11.942      | 11.886       | 11.986     | BB       | 1155946        | 13667242     | 93.15%         | 5.000%        |
| 12                      | 13.002      | 12.951       | 13.066     | VB       | 1013870        | 13042482     | 88.89%         | 4.772%        |
| 13                      | 13.302      | 13.227       | 13.326     | BV       | 998661         | 12858274     | 87.64%         | 4.704%        |
| 14                      | 15.182      | 15.102       | 15.200     | BV       | 822219         | 12370256     | 84.31%         | 4.526%        |
| 15                      | 15.230      | 15.200       | 15.279     | VB       | 982369         | 12487877     | 85.11%         | 4.569%        |
| 16                      | 16.745      | 16.539       | 16.760     | BV       | 726302         | 12785171     | 87.14%         | 4.677%        |
| 17                      | 16.783      | 16.760       | 16.841     | VB       | 896883         | 11773296     | 80.24%         | 4.307%        |
| 18                      | 17.129      | 16.984       | 17.174     | BV       | 797898         | 12555477     | 85.57%         | 4.593%        |
| 19                      | 18.504      | 18.294       | 18.517     | BV       | 694232         | 13089914     | 89.22%         | 4.789%        |
| 20                      | 18.544      | 18.517       | 18.601     | VB       | 824051         | 12402005     | 84.53%         | 4.537%        |
| 21                      | 18.769      | 18.661       | 18.800     | BBA      | 757758         | 13563058     | 92.44%         | 4.962%        |
| Sum of corrected areas: |             |              |            |          |                | 273333740    |                |               |

Aromatic EPH 110724.M Fri Nov 08 08:57:24 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
 Data File : FF014963.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Nov 2024 18:18  
 Operator : YP\AJ  
 Sample : 50 PPM AROMATIC HC STD2  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Nov 08 08:44:56 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 08 08:43:02 2024  
 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...      | 7.999  | 6462526    | 46.725 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 93.45%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.876  | 4344904    | 46.921 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 93.84%       |
| 11) S ortho-Terphenyl (SURR)       | 11.937 | 7136048    | 46.730 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 93.46%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.616  | 7358676    | 46.470 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.281  | 7605550    | 46.745 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.376  | 7638820    | 46.759 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.677  | 7397048    | 46.878 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.977  | 7375951    | 46.819 ug/ml |
| 8) T Fluorene (C16.55)             | 9.765  | 7212712    | 46.903 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.172 | 7053373    | 46.911 ug/ml |
| 10) T Anthracene (C19.43)          | 11.247 | 6643208    | 46.698 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.994 | 6772296    | 46.822 ug/ml |
| 13) T Pyrene (C20.8)               | 13.294 | 6673380    | 46.718 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.173 | 6409798    | 46.559 ug/ml |
| 15) T Chrysene (C27.41)            | 15.218 | 6479862    | 46.422 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.733 | 6584875    | 46.418 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.768 | 6154193    | 46.368 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.116 | 6528554    | 46.520 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.488 | 6715052    | 47.580 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.527 | 6708461    | 43.650 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.750 | 7086072    | 46.236 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

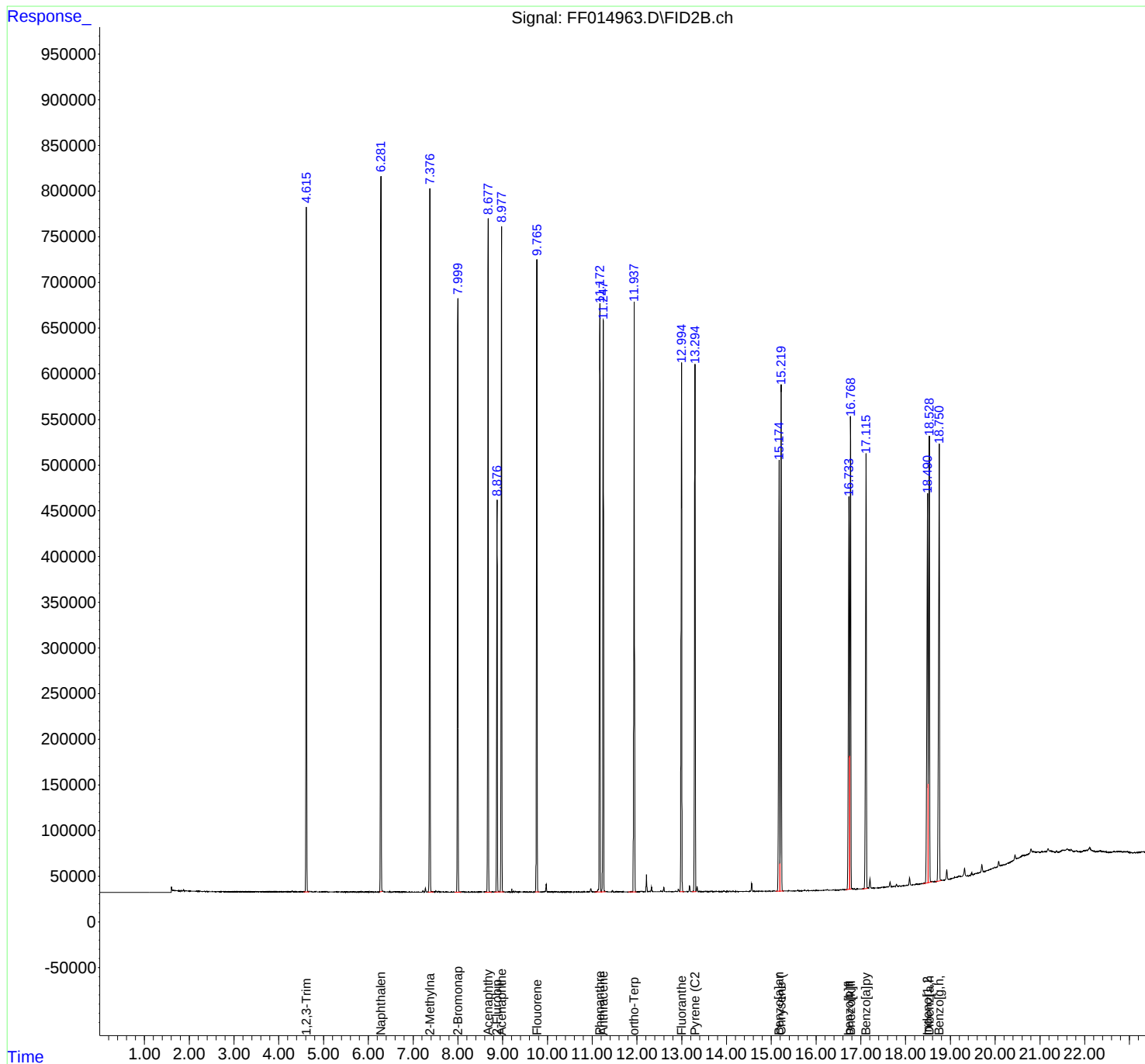
(m)=manual int.

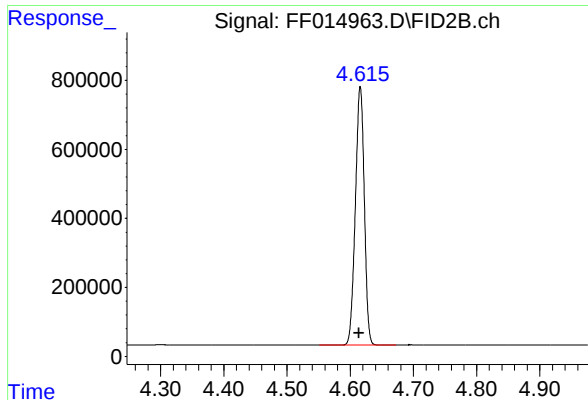
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014963.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 18:18  
Operator : YP\AJ  
Sample : 50 PPM AROMATIC HC STD2  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Nov 08 08:44:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Quant Title : GC Extractables  
QLast Update : Fri Nov 08 08:43:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

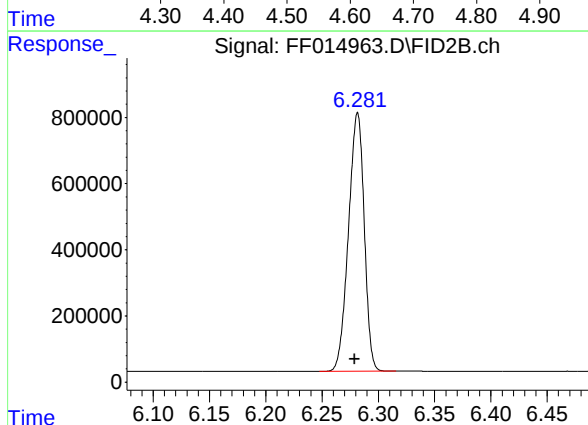




#1 1,2,3-Trimethylbenzene (C10.1)

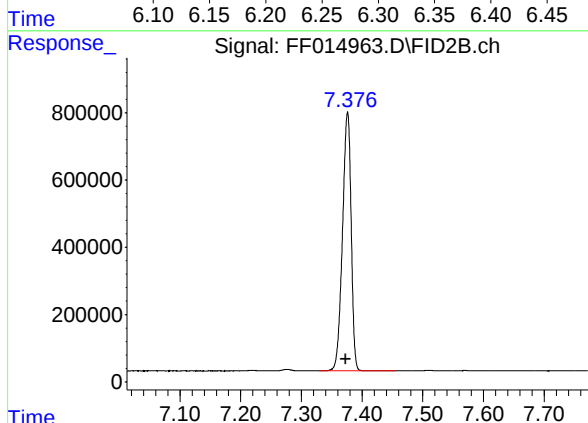
R.T.: 4.616 min  
Delta R.T.: 0.002 min  
Response: 7358676  
Conc: 46.47 ug/ml

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



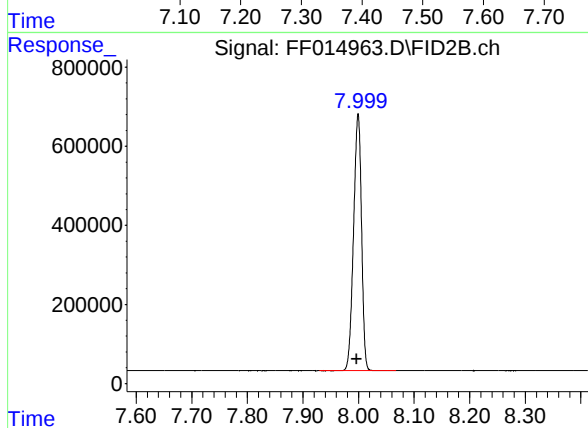
#2 Naphthalene (C11.7)

R.T.: 6.281 min  
Delta R.T.: 0.002 min  
Response: 7605550  
Conc: 46.74 ug/ml



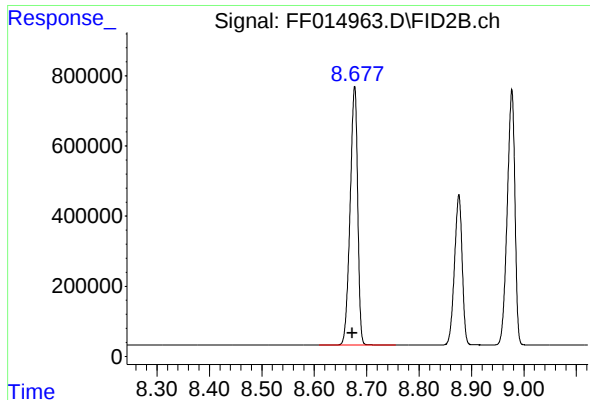
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.376 min  
Delta R.T.: 0.003 min  
Response: 7638820  
Conc: 46.76 ug/ml



#4 2-Bromonaphthalene (SURR)

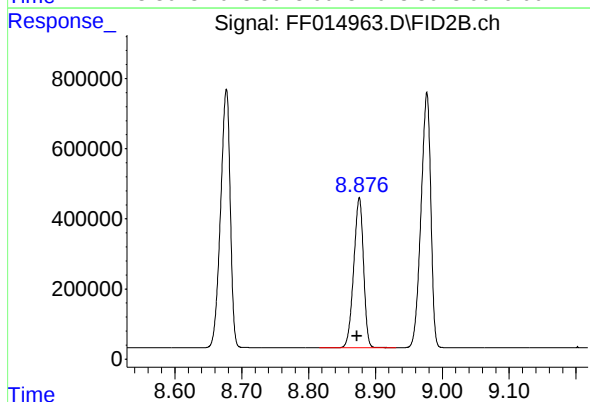
R.T.: 7.999 min  
Delta R.T.: 0.002 min  
Response: 6462526  
Conc: 46.73 ug/ml



#5 Acenaphthylene (C15.06)

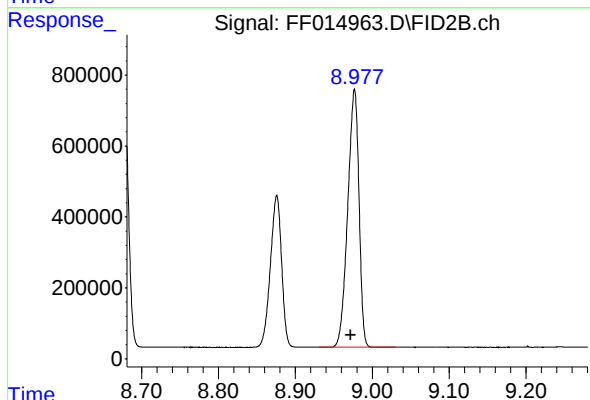
R.T.: 8.677 min  
Delta R.T.: 0.004 min  
Response: 7397048  
Conc: 46.88 ug/ml

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



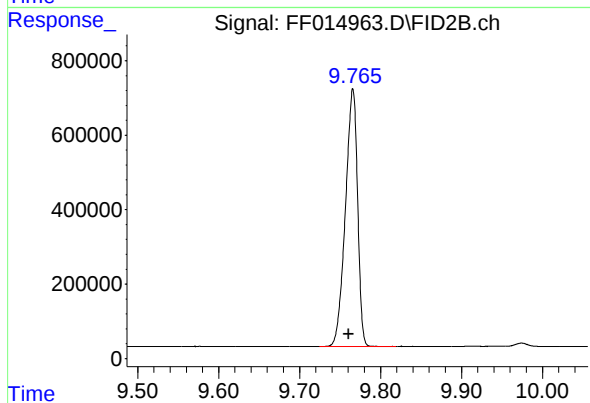
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.876 min  
Delta R.T.: 0.004 min  
Response: 4344904  
Conc: 46.92 ug/ml



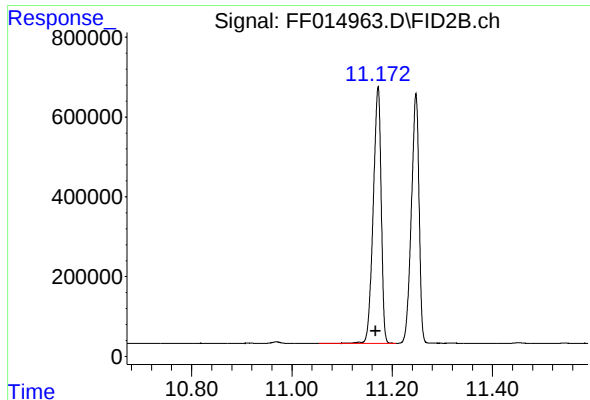
#7 Acenaphthene (C15.5)

R.T.: 8.977 min  
Delta R.T.: 0.005 min  
Response: 7375951  
Conc: 46.82 ug/ml



#8 Fluorene (C16.55)

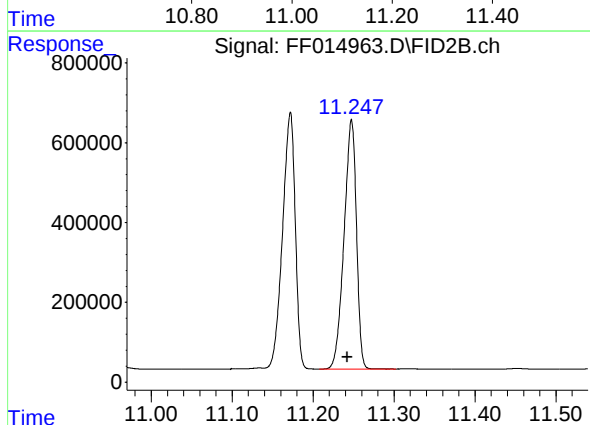
R.T.: 9.765 min  
Delta R.T.: 0.005 min  
Response: 7212712  
Conc: 46.90 ug/ml



#9 Phenanthrene (C19.36)

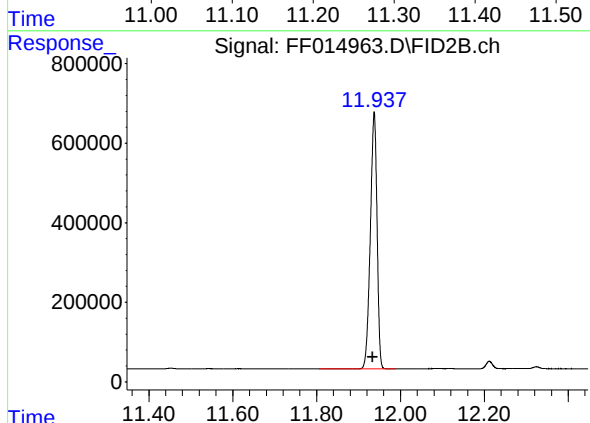
R.T.: 11.172 min  
Delta R.T.: 0.004 min  
Response: 7053373  
Conc: 46.91 ug/ml

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



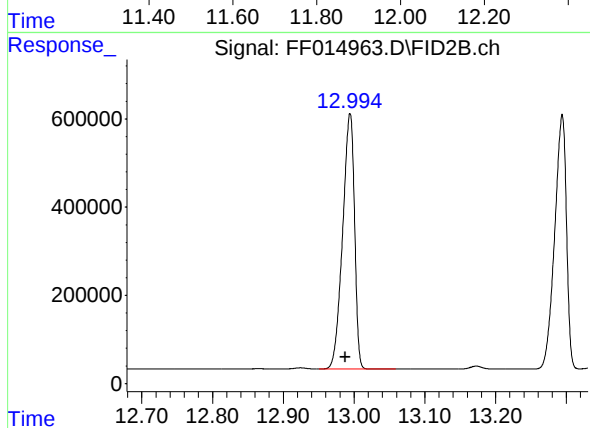
#10 Anthracene (C19.43)

R.T.: 11.247 min  
Delta R.T.: 0.005 min  
Response: 6643208  
Conc: 46.70 ug/ml



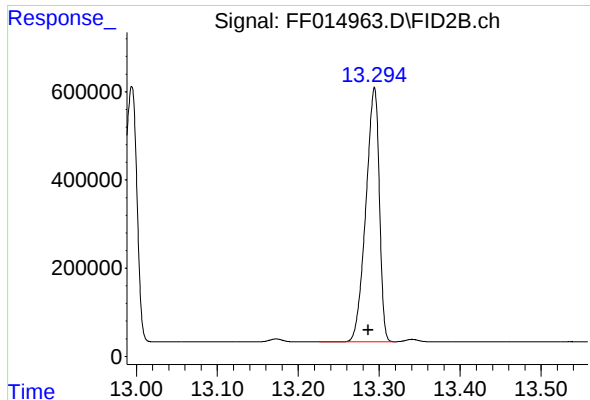
#11 ortho-Terphenyl (SURRE)

R.T.: 11.937 min  
Delta R.T.: 0.004 min  
Response: 7136048  
Conc: 46.73 ug/ml



#12 Fluoranthene (C21.85)

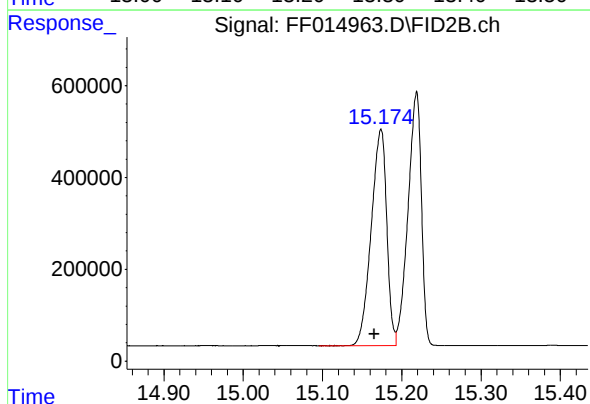
R.T.: 12.994 min  
Delta R.T.: 0.007 min  
Response: 6772296  
Conc: 46.82 ug/ml



#13 Pyrene (C20.8)

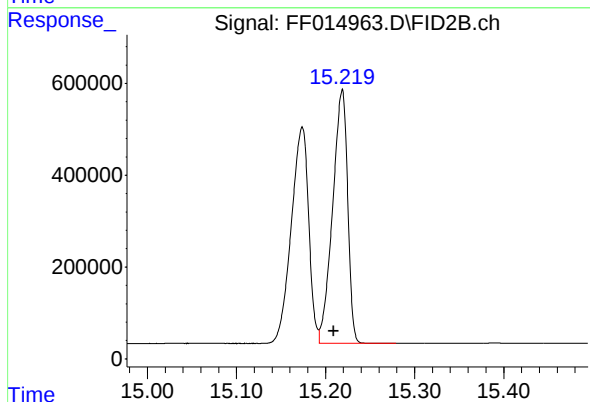
R.T.: 13.294 min  
Delta R.T.: 0.007 min  
Response: 6673380  
Conc: 46.72 ug/ml

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



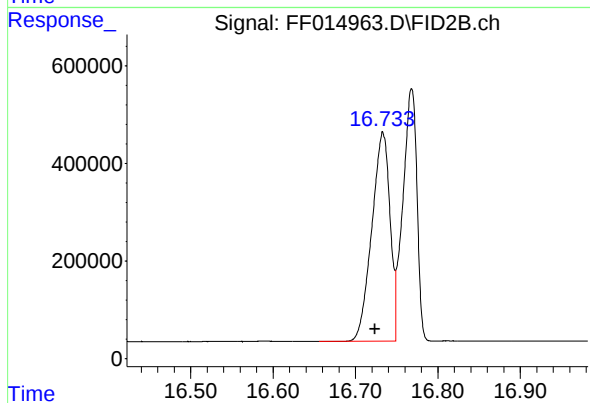
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.173 min  
Delta R.T.: 0.008 min  
Response: 6409798  
Conc: 46.56 ug/ml



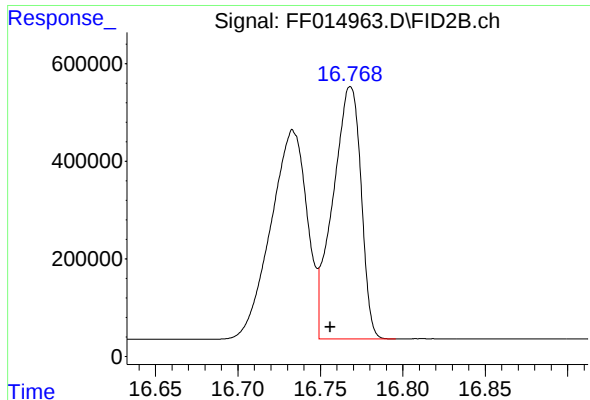
#15 Chrysene (C27.41)

R.T.: 15.218 min  
Delta R.T.: 0.009 min  
Response: 6479862  
Conc: 46.42 ug/ml



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

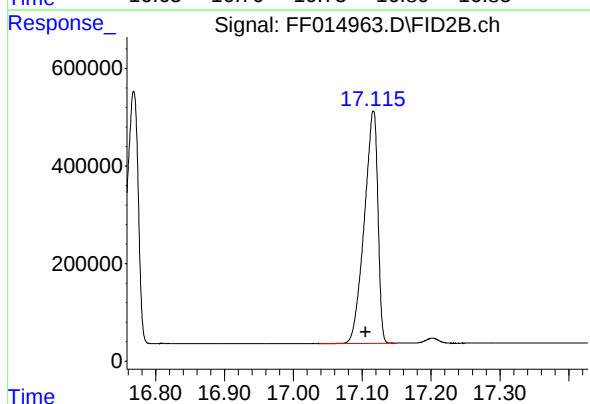
R.T.: 16.733 min  
Delta R.T.: 0.009 min  
Response: 6584875  
Conc: 46.42 ug/ml



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

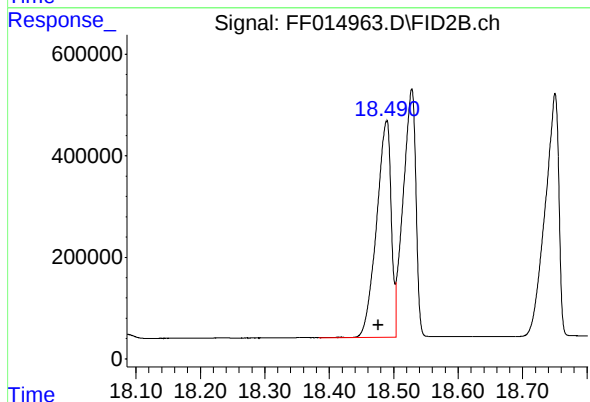
R.T.: 16.768 min  
Delta R.T.: 0.012 min  
Response: 6154193  
Conc: 46.37 ug/ml

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



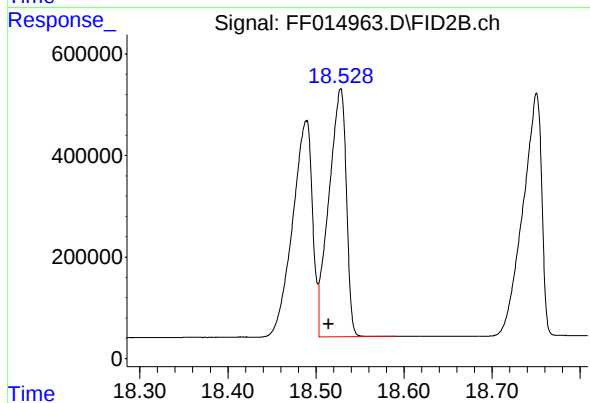
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min  
Delta R.T.: 0.011 min  
Response: 6528554  
Conc: 46.52 ug/ml



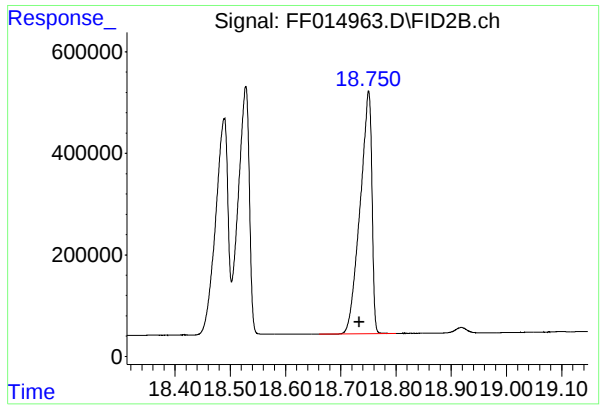
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min  
Delta R.T.: 0.012 min  
Response: 6715052  
Conc: 47.58 ug/ml



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

R.T.: 18.527 min  
Delta R.T.: 0.013 min  
Response: 6708461  
Conc: 43.65 ug/ml



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

R.T.: 18.750 min  
Delta R.T.: 0.016 min  
Response: 7086072  
Conc: 46.24 ug/ml

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

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014963.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 18:18  
Sample : 50 PPM AROMATIC HC STD2  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Title : GC Extractables

Signal : FID2B.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                       | 4.616       | 4.551        | 4.672      | BV       | 750224         | 7358676      | 96.33%         | 5.170%        |
| 2                       | 6.281       | 6.247        | 6.316      | BV       | 780435         | 7605550      | 99.56%         | 5.343%        |
| 3                       | 7.376       | 7.329        | 7.456      | BB       | 768616         | 7638820      | 100.00%        | 5.367%        |
| 4                       | 7.999       | 7.929        | 8.067      | BB       | 650096         | 6462526      | 84.60%         | 4.540%        |
| 5                       | 8.677       | 8.609        | 8.756      | BB       | 741944         | 7397048      | 96.83%         | 5.197%        |
| 6                       | 8.876       | 8.816        | 8.931      | BV       | 429100         | 4344904      | 56.88%         | 3.052%        |
| 7                       | 8.977       | 8.931        | 9.031      | VB       | 732364         | 7375951      | 96.56%         | 5.182%        |
| 8                       | 9.765       | 9.724        | 9.819      | BB       | 695064         | 7212712      | 94.42%         | 5.067%        |
| 9                       | 11.172      | 11.054       | 11.207     | BV       | 639031         | 7053373      | 92.34%         | 4.955%        |
| 10                      | 11.247      | 11.207       | 11.302     | VV       | 626844         | 6643208      | 86.97%         | 4.667%        |
| 11                      | 11.937      | 11.806       | 11.989     | BB       | 646989         | 7136048      | 93.42%         | 5.013%        |
| 12                      | 12.994      | 12.950       | 13.059     | VB       | 581165         | 6772296      | 88.66%         | 4.758%        |
| 13                      | 13.294      | 13.226       | 13.321     | BV       | 579556         | 6673380      | 87.36%         | 4.688%        |
| 14                      | 15.173      | 15.096       | 15.193     | BV       | 473127         | 6409798      | 83.91%         | 4.503%        |
| 15                      | 15.218      | 15.193       | 15.279     | VB       | 548122         | 6479862      | 84.83%         | 4.552%        |
| 16                      | 16.733      | 16.656       | 16.749     | BV       | 428622         | 6584875      | 86.20%         | 4.626%        |
| 17                      | 16.768      | 16.749       | 16.796     | VV       | 518289         | 6154193      | 80.56%         | 4.324%        |
| 18                      | 17.116      | 17.037       | 17.149     | BV       | 477536         | 6528554      | 85.47%         | 4.587%        |
| 19                      | 18.488      | 18.384       | 18.503     | BV       | 425871         | 6715052      | 87.91%         | 4.718%        |
| 20                      | 18.527      | 18.503       | 18.591     | VB       | 488882         | 6708461      | 87.82%         | 4.713%        |
| 21                      | 18.750      | 18.661       | 18.800     | BBA      | 476604         | 7086072      | 92.76%         | 4.978%        |
| Sum of corrected areas: |             |              |            |          |                | 142341358    |                |               |

Aromatic EPH 110724.M Fri Nov 08 08:57:54 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
 Data File : FF014964.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Nov 2024 18:46  
 Operator : YP\AJ  
 Sample : 20 PPM AROMATIC HC STD3  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Nov 08 08:45:05 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 08 08:43:02 2024  
 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...      | 7.997  | 2766167    | 20.000 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.00%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.872  | 1852016    | 20.000 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.00%       |
| 11) S ortho-Terphenyl (SURR)       | 11.933 | 3054141    | 20.000 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.00%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.614  | 3167074    | 20.000 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.279  | 3254087    | 20.000 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.373  | 3267320    | 20.000 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.673  | 3155839    | 20.000 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.972  | 3150804    | 20.000 ug/ml |
| 8) T Fluorene (C16.55)             | 9.761  | 3075611    | 20.000 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.167 | 3007153    | 20.000 ug/ml |
| 10) T Anthracene (C19.43)          | 11.242 | 2845179    | 20.000 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.987 | 2892760    | 20.000 ug/ml |
| 13) T Pyrene (C20.8)               | 13.287 | 2856862    | 20.000 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.165 | 2753408    | 20.000 ug/ml |
| 15) T Chrysene (C27.41)            | 15.209 | 2791744    | 20.000 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.724 | 2837191    | 20.000 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.756 | 2654525    | 20.000 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.105 | 2806782    | 20.000 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.476 | 2822651    | 20.000 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.514 | 3073773    | 20.000 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.734 | 3065149    | 20.000 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

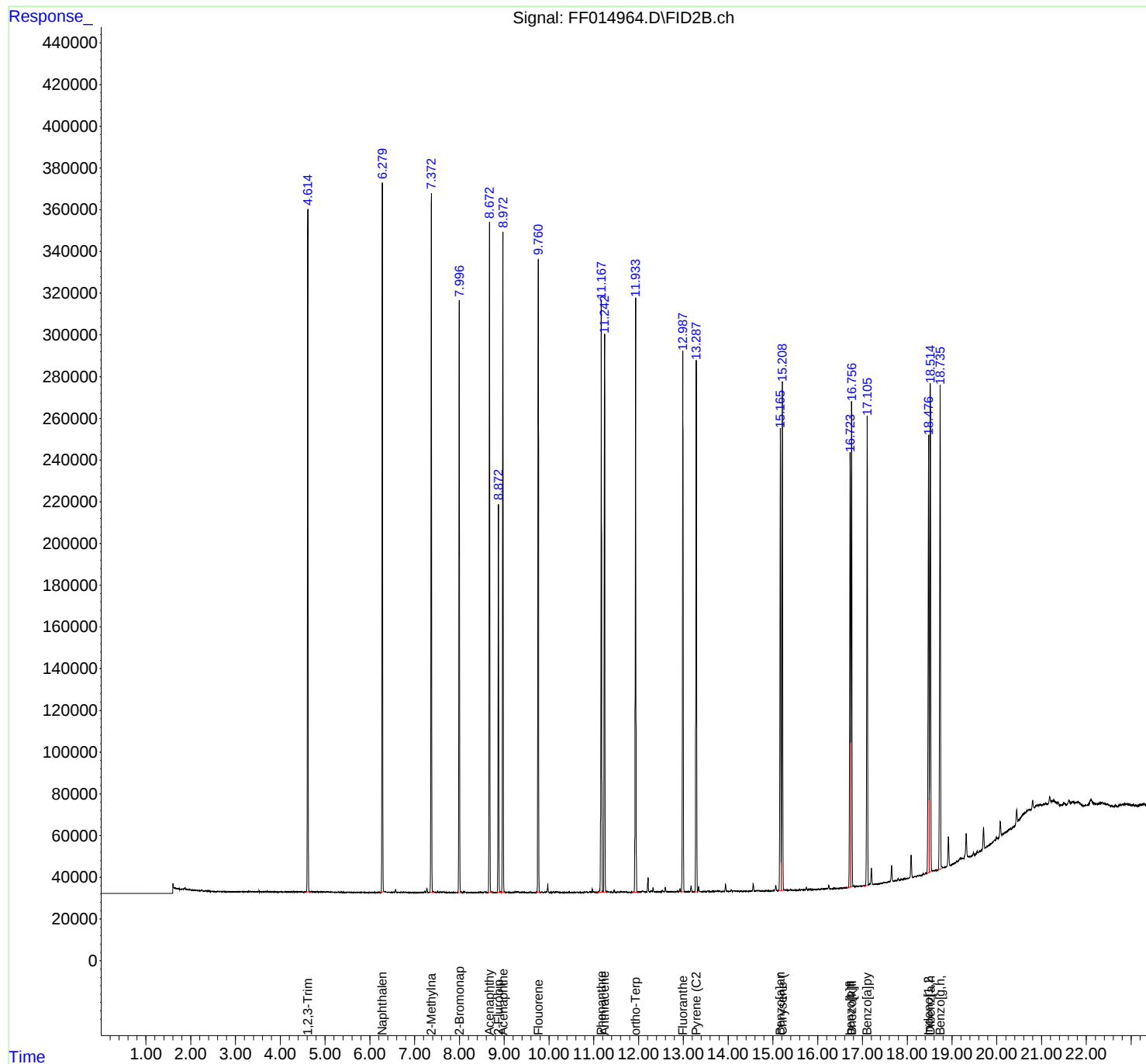
(m)=manual int.

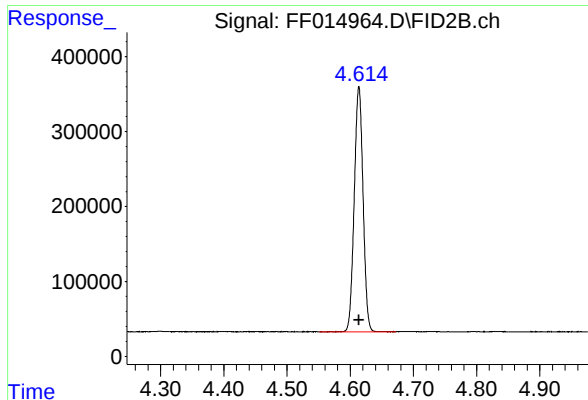
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014964.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 18:46  
Operator : YP\AJ  
Sample : 20 PPM AROMATIC HC STD3  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Nov 08 08:45:05 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Quant Title : GC Extractables  
QLast Update : Fri Nov 08 08:43:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

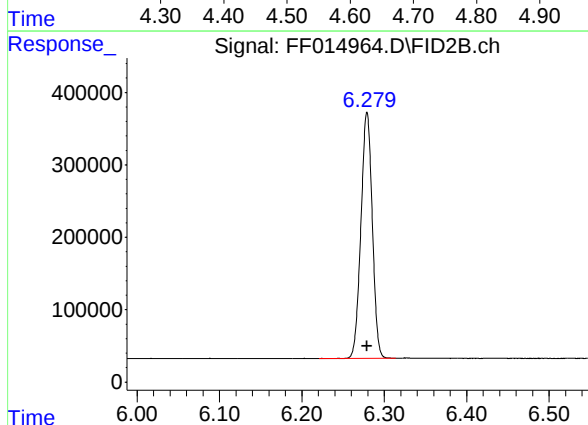




#1 1,2,3-Trimethylbenzene (C10.1)

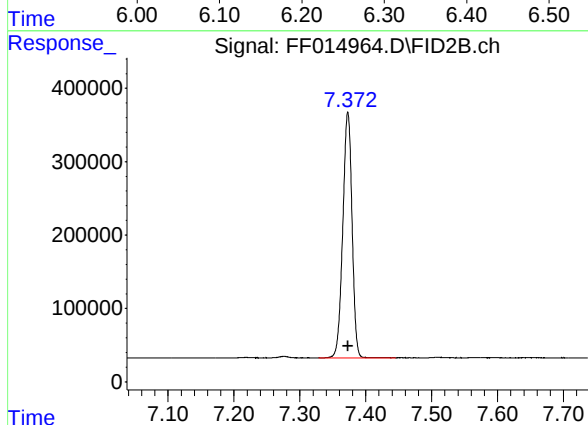
R.T.: 4.614 min  
Delta R.T.: 0.000 min  
Response: 3167074  
Conc: 20.00 ug/ml

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



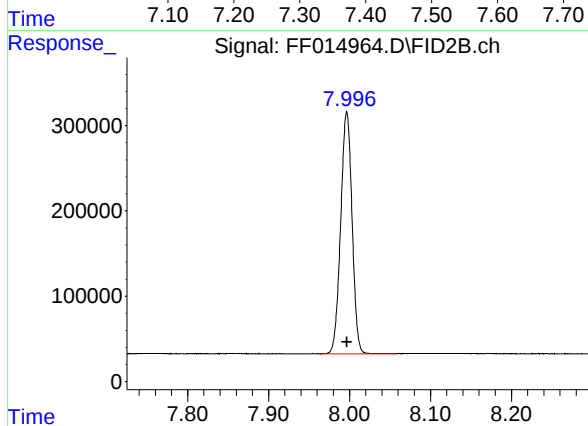
#2 Naphthalene (C11.7)

R.T.: 6.279 min  
Delta R.T.: 0.000 min  
Response: 3254087  
Conc: 20.00 ug/ml



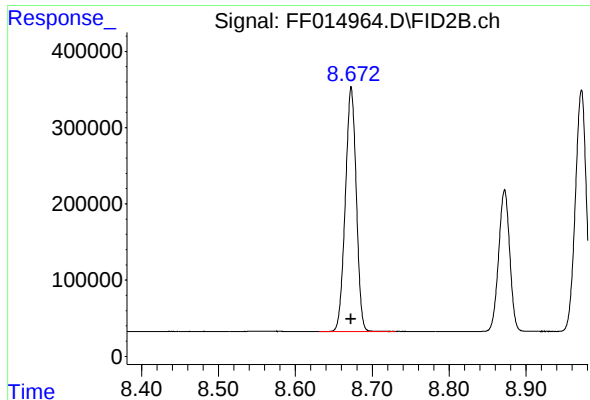
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min  
Delta R.T.: 0.000 min  
Response: 3267320  
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

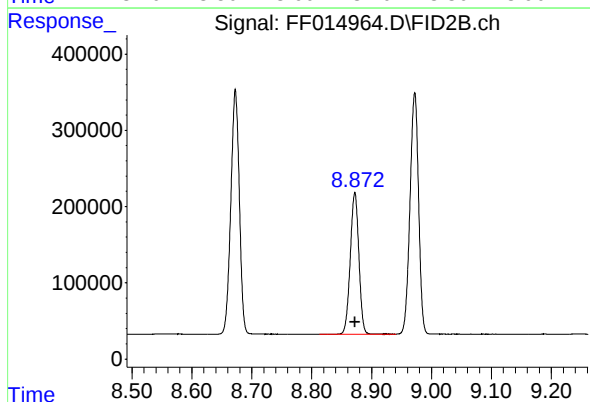
R.T.: 7.997 min  
Delta R.T.: 0.000 min  
Response: 2766167  
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

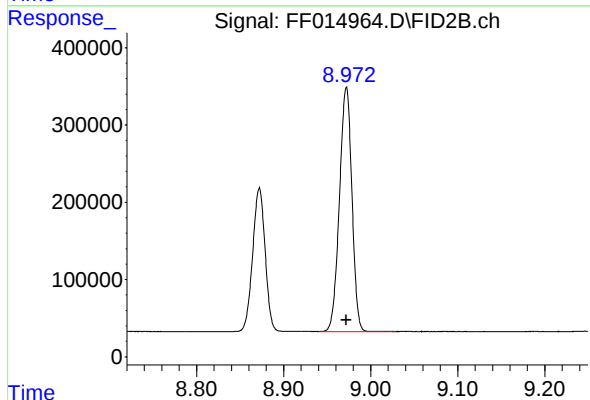
R.T.: 8.673 min  
Delta R.T.: 0.000 min  
Response: 3155839  
Conc: 20.00 ug/ml

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



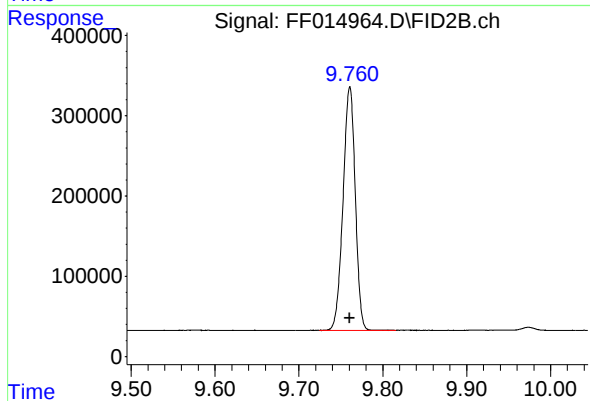
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.872 min  
Delta R.T.: 0.000 min  
Response: 1852016  
Conc: 20.00 ug/ml



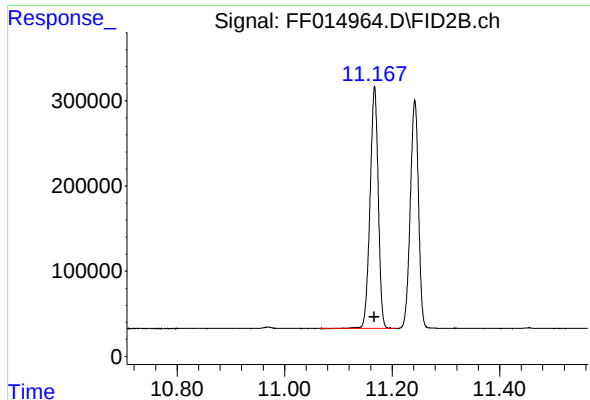
#7 Acenaphthene (C15.5)

R.T.: 8.972 min  
Delta R.T.: 0.000 min  
Response: 3150804  
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

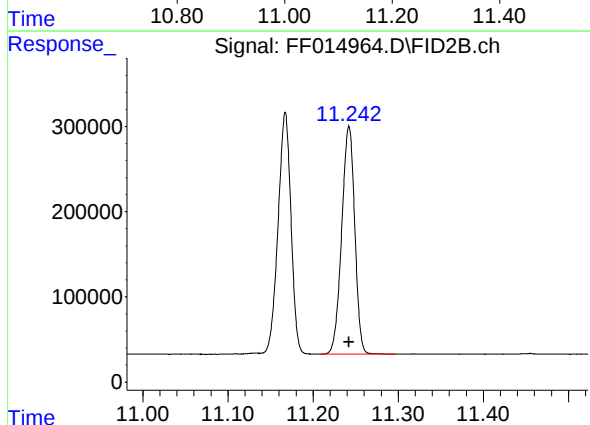
R.T.: 9.761 min  
Delta R.T.: 0.000 min  
Response: 3075611  
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

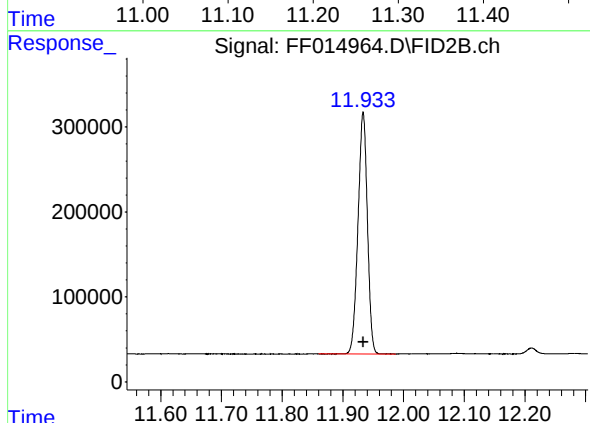
R.T.: 11.167 min  
Delta R.T.: 0.000 min  
Response: 3007153  
Conc: 20.00 ug/ml

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



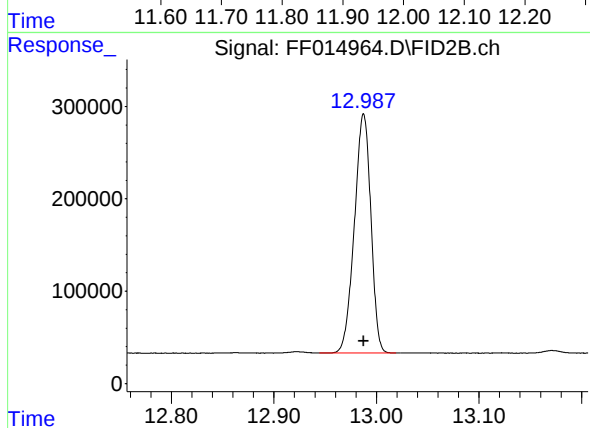
#10 Anthracene (C19.43)

R.T.: 11.242 min  
Delta R.T.: 0.000 min  
Response: 2845179  
Conc: 20.00 ug/ml



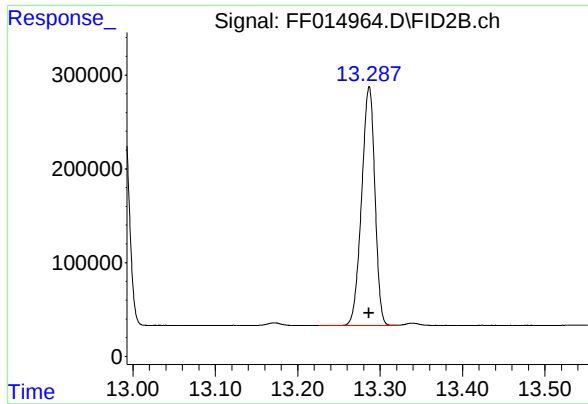
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min  
Delta R.T.: 0.000 min  
Response: 3054141  
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

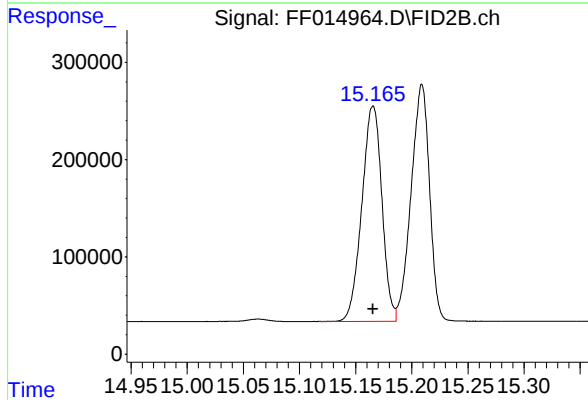
R.T.: 12.987 min  
Delta R.T.: 0.000 min  
Response: 2892760  
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

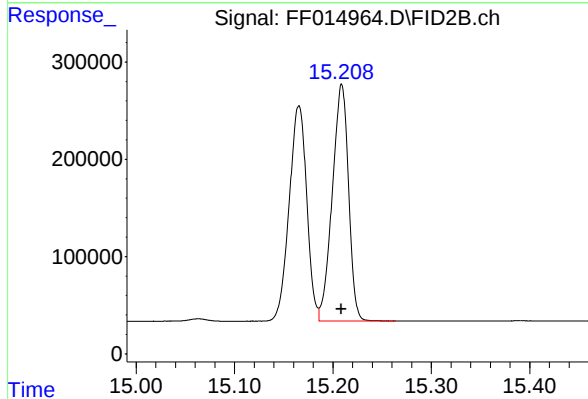
R.T.: 13.287 min  
Delta R.T.: 0.000 min  
Response: 2856862  
Conc: 20.00 ug/ml

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



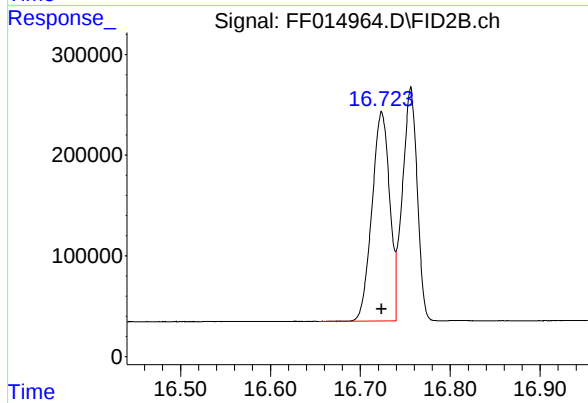
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.165 min  
Delta R.T.: 0.000 min  
Response: 2753408  
Conc: 20.00 ug/ml



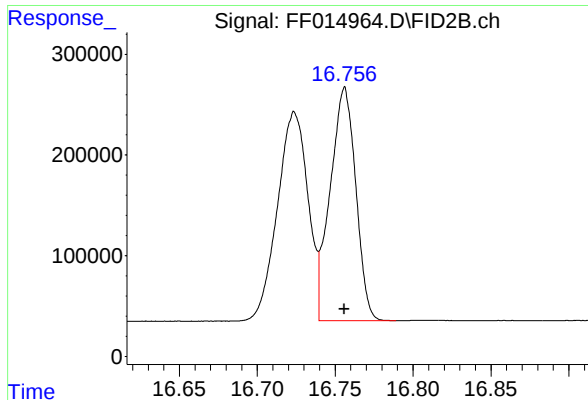
#15 Chrysene (C27.41)

R.T.: 15.209 min  
Delta R.T.: 0.000 min  
Response: 2791744  
Conc: 20.00 ug/ml



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

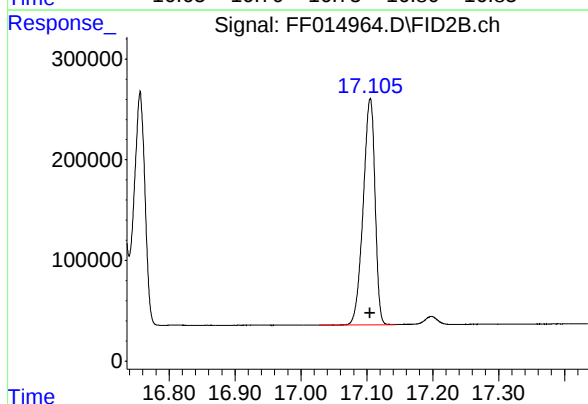
R.T.: 16.724 min  
Delta R.T.: 0.000 min  
Response: 2837191  
Conc: 20.00 ug/ml



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

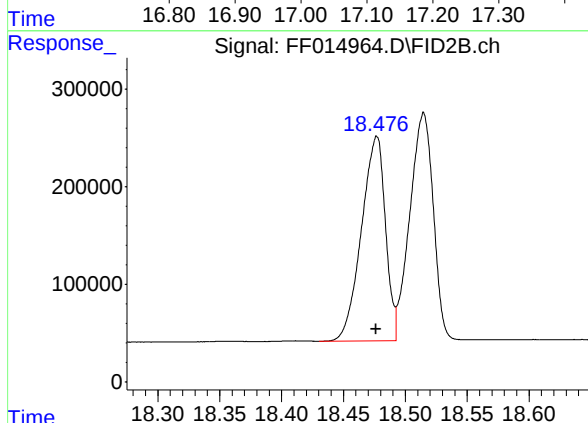
R.T.: 16.756 min  
Delta R.T.: 0.000 min  
Response: 2654525  
Conc: 20.00 ug/ml

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



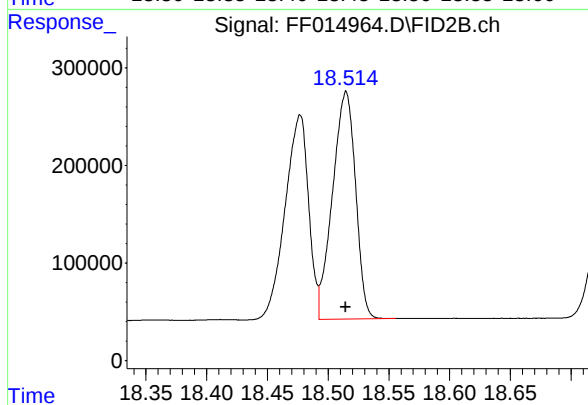
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.105 min  
Delta R.T.: 0.000 min  
Response: 2806782  
Conc: 20.00 ug/ml



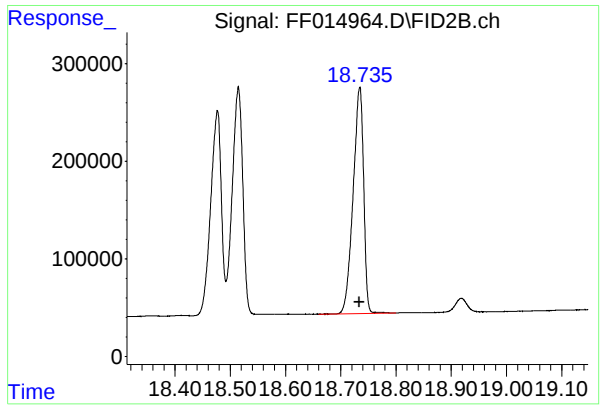
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.476 min  
Delta R.T.: 0.000 min  
Response: 2822651  
Conc: 20.00 ug/ml



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

R.T.: 18.514 min  
Delta R.T.: 0.000 min  
Response: 3073773  
Conc: 20.00 ug/ml



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

R.T.: 18.734 min  
Delta R.T.: 0.000 min  
Response: 3065149  
Conc: 20.00 ug/ml

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

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014964.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 18:46  
Sample : 20 PPM AROMATIC HC STD3  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Title : GC Extractables

Signal : FID2B.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                       | 4.614       | 4.551        | 4.672      | BB       | 327924         | 3167074      | 96.93%         | 5.179%        |
| 2                       | 6.279       | 6.221        | 6.314      | BV       | 339922         | 3254087      | 99.60%         | 5.321%        |
| 3                       | 7.373       | 7.329        | 7.446      | BB       | 335383         | 3267320      | 100.00%        | 5.343%        |
| 4                       | 7.997       | 7.962        | 8.057      | BB       | 283560         | 2766167      | 84.66%         | 4.524%        |
| 5                       | 8.673       | 8.631        | 8.731      | BB       | 320731         | 3155839      | 96.59%         | 5.161%        |
| 6                       | 8.872       | 8.812        | 8.941      | BV       | 186201         | 1852016      | 56.68%         | 3.029%        |
| 7                       | 8.972       | 8.941        | 9.029      | VB       | 317705         | 3150804      | 96.43%         | 5.153%        |
| 8                       | 9.761       | 9.724        | 9.816      | BB       | 303953         | 3075611      | 94.13%         | 5.030%        |
| 9                       | 11.167      | 11.064       | 11.207     | BV       | 284399         | 3007153      | 92.04%         | 4.918%        |
| 10                      | 11.242      | 11.207       | 11.297     | VV       | 267923         | 2845179      | 87.08%         | 4.653%        |
| 11                      | 11.933      | 11.861       | 11.987     | BB       | 285145         | 3054141      | 93.48%         | 4.994%        |
| 12                      | 12.987      | 12.944       | 13.019     | VB       | 259372         | 2892760      | 88.54%         | 4.731%        |
| 13                      | 13.287      | 13.226       | 13.319     | BV       | 253873         | 2856862      | 87.44%         | 4.672%        |
| 14                      | 15.165      | 15.117       | 15.186     | BV       | 221605         | 2753408      | 84.27%         | 4.503%        |
| 15                      | 15.209      | 15.186       | 15.264     | VB       | 244280         | 2791744      | 85.44%         | 4.565%        |
| 16                      | 16.724      | 16.654       | 16.740     | BV       | 207727         | 2837191      | 86.84%         | 4.640%        |
| 17                      | 16.756      | 16.740       | 16.789     | VV       | 231224         | 2654525      | 81.24%         | 4.341%        |
| 18                      | 17.105      | 17.027       | 17.144     | BV       | 225711         | 2806782      | 85.90%         | 4.590%        |
| 19                      | 18.476      | 18.430       | 18.492     | PV       | 208764         | 2822651      | 86.39%         | 4.616%        |
| 20                      | 18.514      | 18.492       | 18.556     | VB       | 232743         | 3073773      | 94.08%         | 5.027%        |
| 21                      | 18.734      | 18.661       | 18.800     | BBA      | 231560         | 3065149      | 93.81%         | 5.012%        |
| Sum of corrected areas: |             |              |            |          |                |              | 61150237       |               |

Aromatic EPH 110724.M Fri Nov 08 08:58:19 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
 Data File : FF014965.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Nov 2024 19:15  
 Operator : YP\AJ  
 Sample : 10 PPM AROMATIC HC STD4  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Nov 08 08:45:15 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 08 08:43:02 2024  
 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...      | 7.996  | 1369564    | 9.902 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 19.80%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.871  | 918407     | 9.918 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 19.84%       |
| 11) S ortho-Terphenyl (SURR)       | 11.932 | 1520285    | 9.956 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 19.91%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.614  | 1565211    | 9.884 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.279  | 1620311    | 9.959 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.372  | 1613640    | 9.877 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.672  | 1567965    | 9.937 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.970  | 1564614    | 9.932 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.759  | 1530864    | 9.955 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.165 | 1491720    | 9.921 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.240 | 1420516    | 9.985 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.986 | 1437780    | 9.941 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.284 | 1414183    | 9.900 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.163 | 1372181    | 9.967 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.204 | 1398430    | 10.018 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.720 | 1409539    | 9.936 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.751 | 1325553    | 9.987 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.100 | 1395587    | 9.944 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.470 | 1392923    | 9.870 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.510 | 1565656    | 10.187 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.726 | 1493053    | 9.742 ug/ml  |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

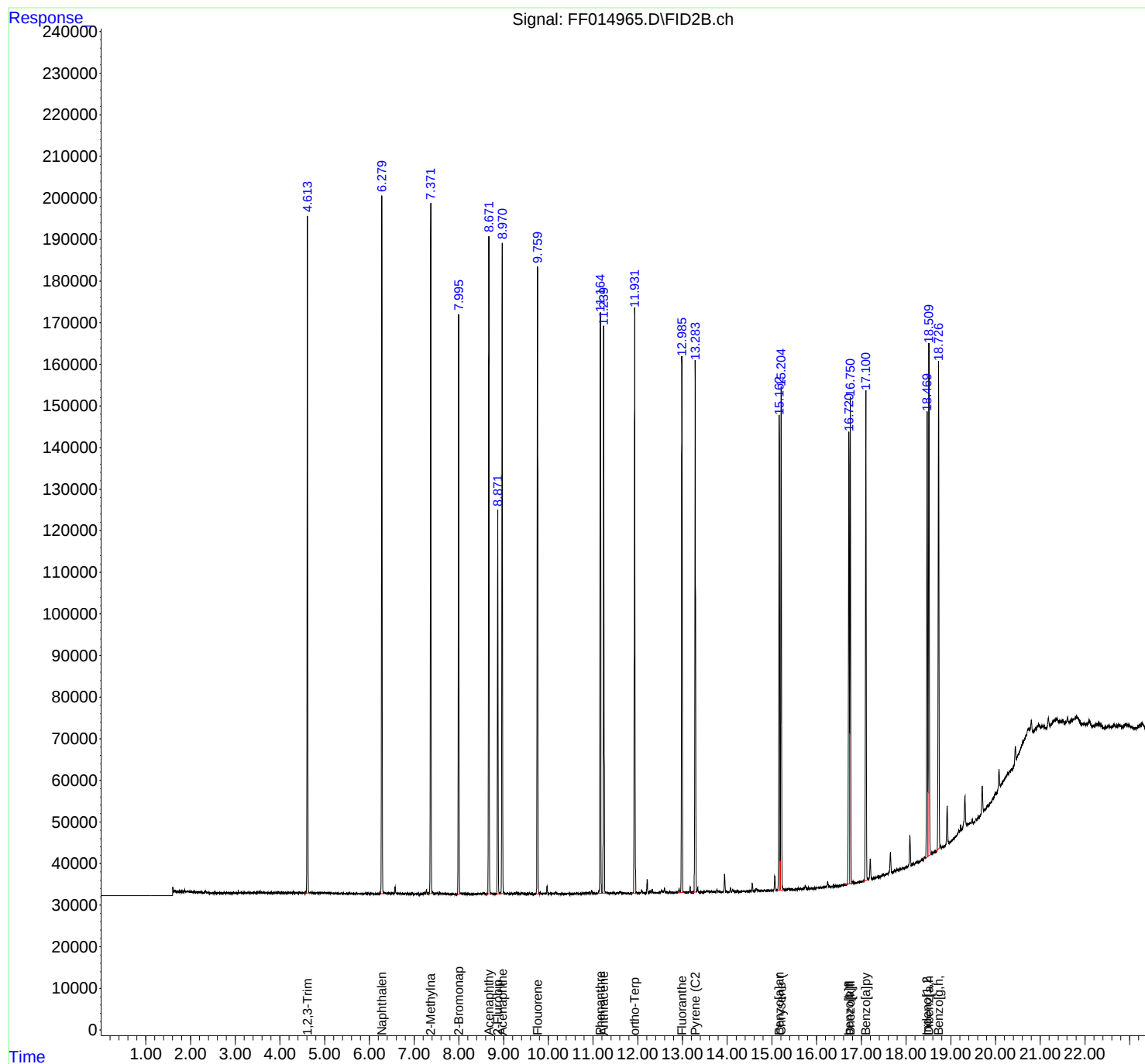
(m)=manual int.

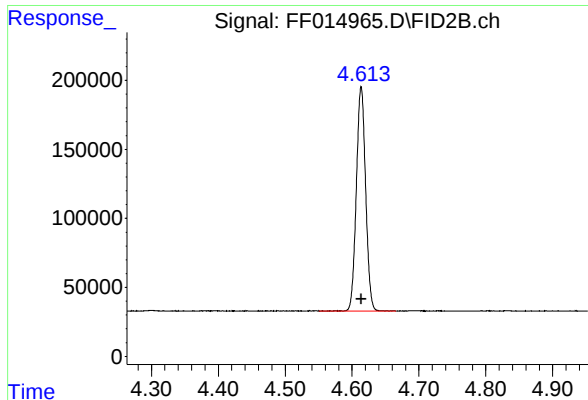
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014965.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 19:15  
Operator : YP\AJ  
Sample : 10 PPM AROMATIC HC STD4  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Nov 08 08:45:15 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Quant Title : GC Extractables  
QLast Update : Fri Nov 08 08:43:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

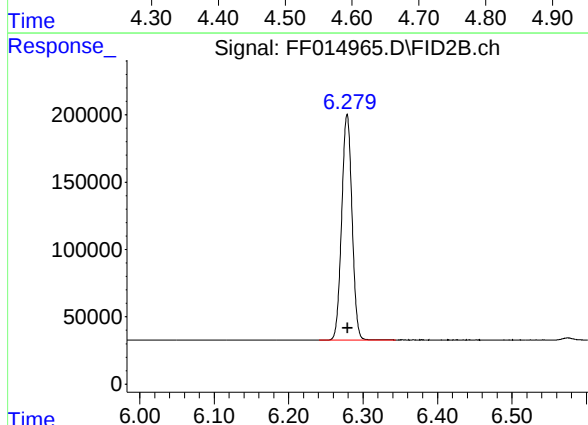




#1 1,2,3-Trimethylbenzene (C10.1)

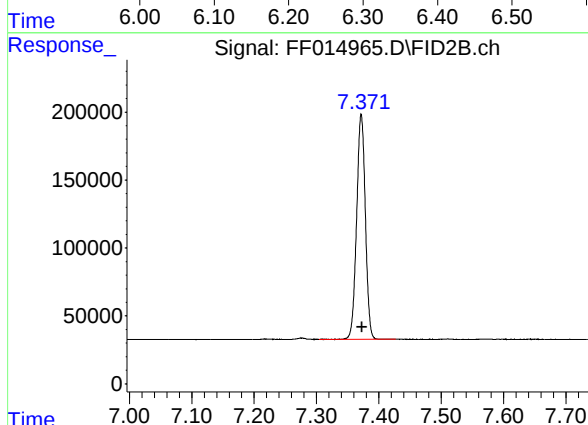
R.T.: 4.614 min  
Delta R.T.: 0.000 min  
Response: 1565211  
Conc: 9.88 ug/ml

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



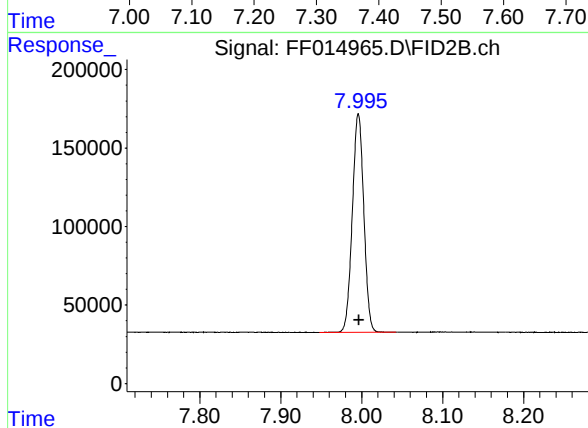
#2 Naphthalene (C11.7)

R.T.: 6.279 min  
Delta R.T.: 0.000 min  
Response: 1620311  
Conc: 9.96 ug/ml



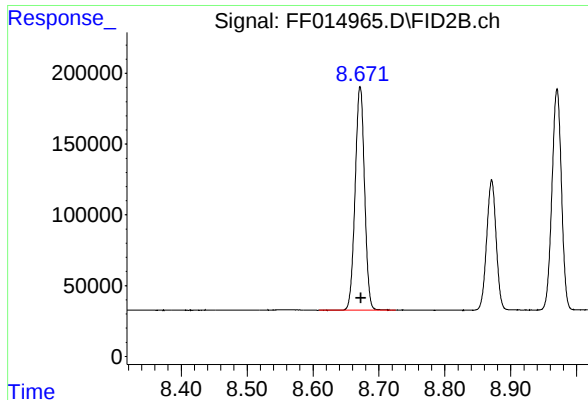
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.372 min  
Delta R.T.: 0.000 min  
Response: 1613640  
Conc: 9.88 ug/ml



#4 2-Bromonaphthalene (SURR)

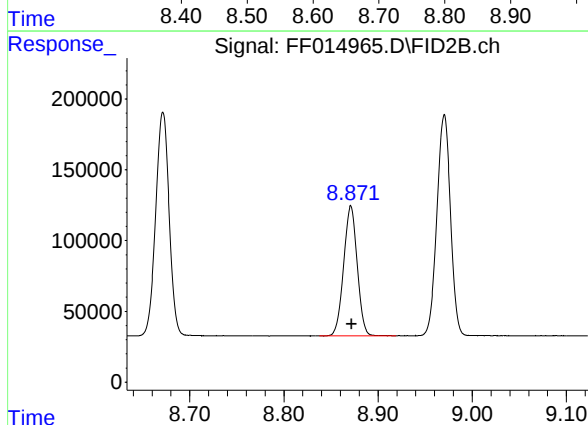
R.T.: 7.996 min  
Delta R.T.: 0.000 min  
Response: 1369564  
Conc: 9.90 ug/ml



#5 Acenaphthylene (C15.06)

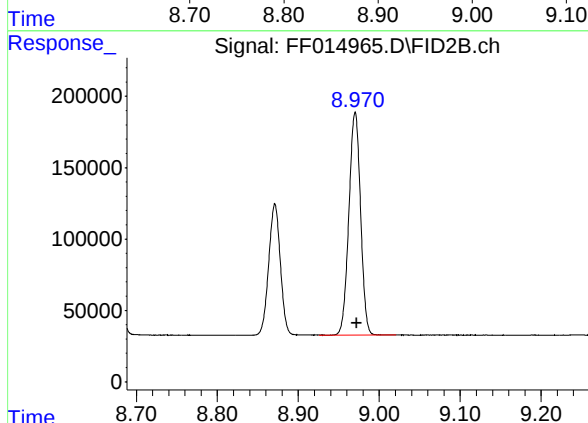
R.T.: 8.672 min  
Delta R.T.: -0.001 min  
Response: 1567965  
Conc: 9.94 ug/ml

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



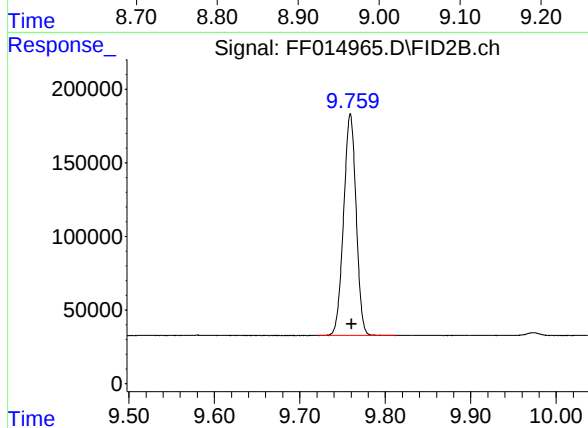
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.871 min  
Delta R.T.: 0.000 min  
Response: 918407  
Conc: 9.92 ug/ml



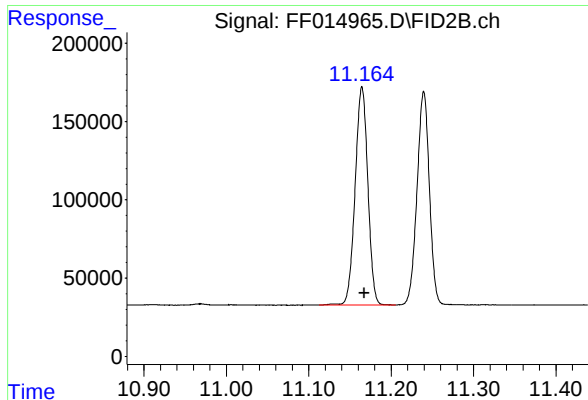
#7 Acenaphthene (C15.5)

R.T.: 8.970 min  
Delta R.T.: -0.002 min  
Response: 1564614  
Conc: 9.93 ug/ml



#8 Flouorene (C16.55)

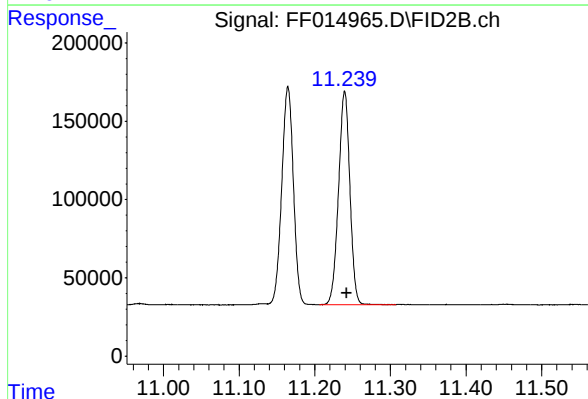
R.T.: 9.759 min  
Delta R.T.: -0.001 min  
Response: 1530864  
Conc: 9.95 ug/ml



#9 Phenanthrene (C19.36)

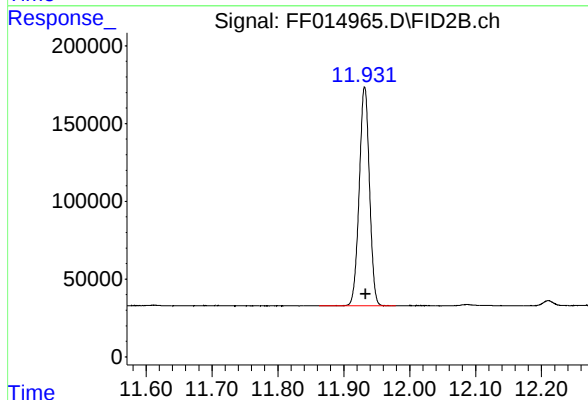
R.T.: 11.165 min  
Delta R.T.: -0.003 min  
Response: 1491720  
Conc: 9.92 ug/ml

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



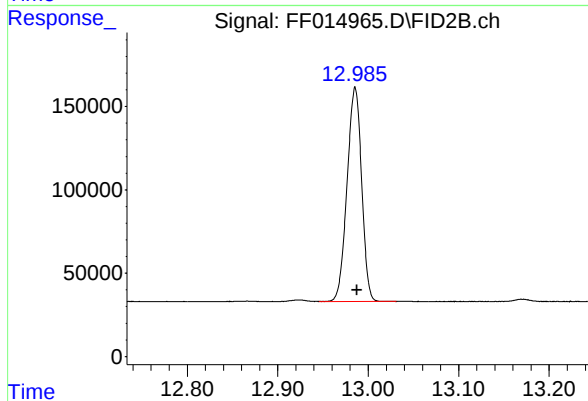
#10 Anthracene (C19.43)

R.T.: 11.240 min  
Delta R.T.: -0.003 min  
Response: 1420516  
Conc: 9.99 ug/ml



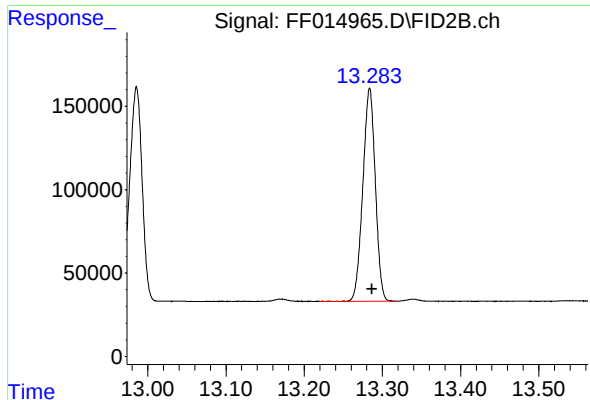
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min  
Delta R.T.: -0.002 min  
Response: 1520285  
Conc: 9.96 ug/ml



#12 Fluoranthene (C21.85)

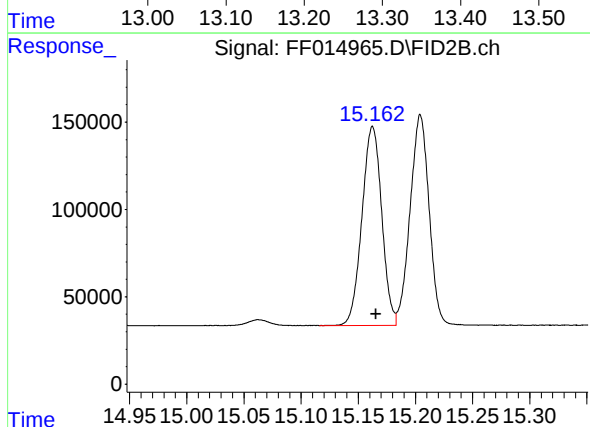
R.T.: 12.986 min  
Delta R.T.: -0.002 min  
Response: 1437780  
Conc: 9.94 ug/ml



#13 Pyrene (C20.8)

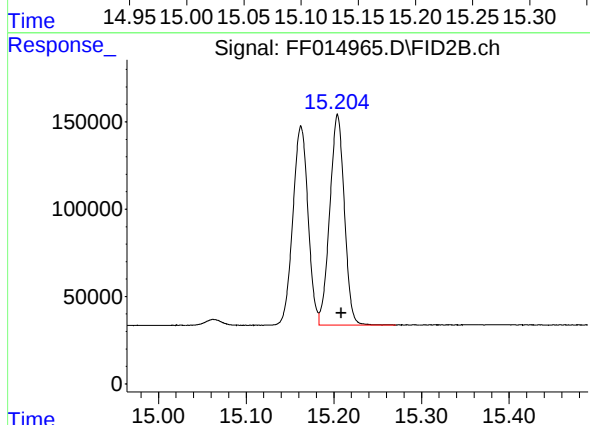
R.T.: 13.284 min  
Delta R.T.: -0.003 min  
Response: 1414183  
Conc: 9.90 ug/ml

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



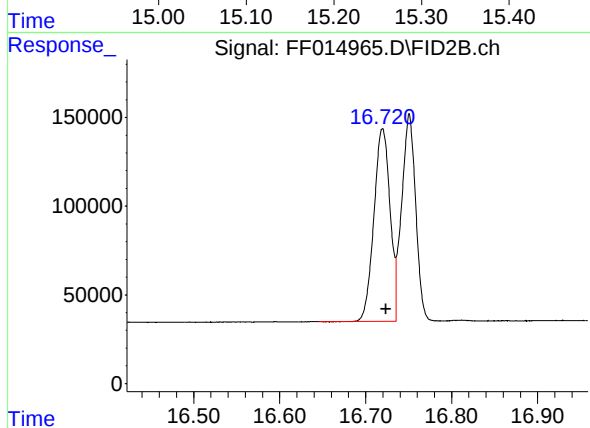
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.163 min  
Delta R.T.: -0.003 min  
Response: 1372181  
Conc: 9.97 ug/ml



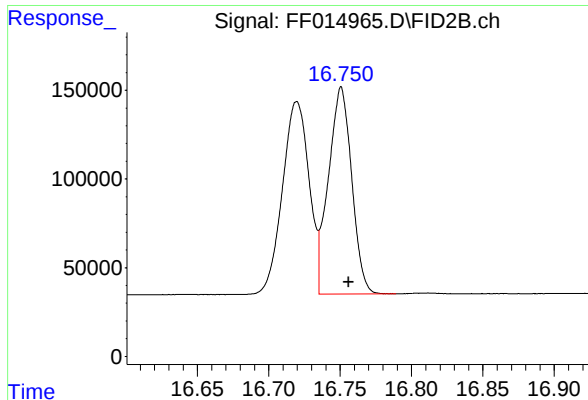
#15 Chrysene (C27.41)

R.T.: 15.204 min  
Delta R.T.: -0.005 min  
Response: 1398430  
Conc: 10.02 ug/ml



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

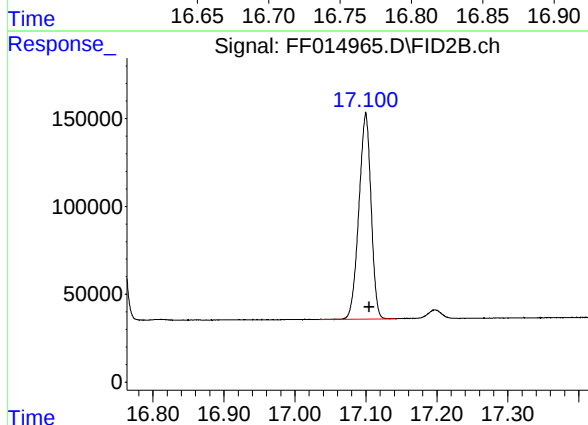
R.T.: 16.720 min  
Delta R.T.: -0.004 min  
Response: 1409539  
Conc: 9.94 ug/ml



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

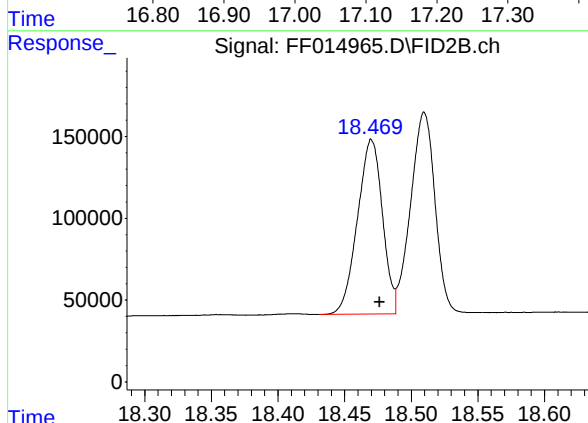
R.T.: 16.751 min  
Delta R.T.: -0.005 min  
Response: 1325553  
Conc: 9.99 ug/ml

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



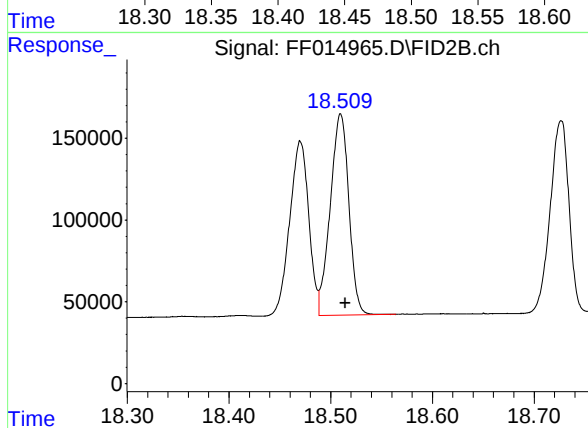
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.100 min  
Delta R.T.: -0.005 min  
Response: 1395587  
Conc: 9.94 ug/ml



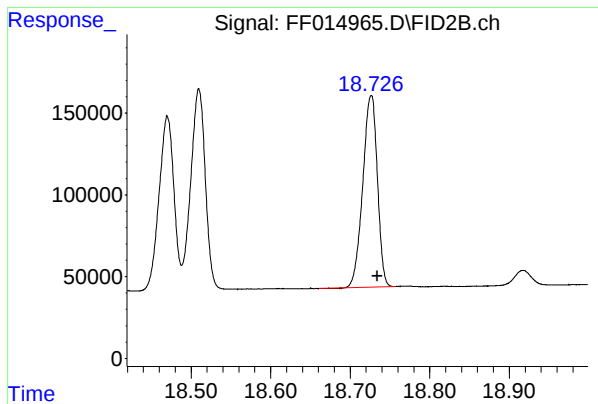
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.470 min  
Delta R.T.: -0.006 min  
Response: 1392923  
Conc: 9.87 ug/ml



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

R.T.: 18.510 min  
Delta R.T.: -0.005 min  
Response: 1565656  
Conc: 10.19 ug/ml



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

R.T.: 18.726 min  
Delta R.T.: -0.008 min  
Response: 1493053  
Conc: 9.74 ug/ml

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

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014965.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 19:15  
Sample : 10 PPM AROMATIC HC STD4  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Title : GC Extractables

Signal : FID2B.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                       | 4.614       | 4.551        | 4.666      | BB       | 162694         | 1565211      | 96.60%         | 5.151%        |
| 2                       | 6.279       | 6.241        | 6.344      | BB       | 168131         | 1620311      | 100.00%        | 5.332%        |
| 3                       | 7.372       | 7.304        | 7.427      | BB       | 165510         | 1613640      | 99.59%         | 5.310%        |
| 4                       | 7.996       | 7.947        | 8.042      | BB       | 139234         | 1369564      | 84.52%         | 4.507%        |
| 5                       | 8.672       | 8.609        | 8.726      | BB       | 158234         | 1567965      | 96.77%         | 5.160%        |
| 6                       | 8.871       | 8.837        | 8.919      | BB       | 92088          | 918407       | 56.68%         | 3.022%        |
| 7                       | 8.970       | 8.926        | 9.021      | BB       | 156697         | 1564614      | 96.56%         | 5.149%        |
| 8                       | 9.759       | 9.722        | 9.812      | BB       | 150469         | 1530864      | 94.48%         | 5.038%        |
| 9                       | 11.165      | 11.112       | 11.206     | BV       | 139291         | 1491720      | 92.06%         | 4.909%        |
| 10                      | 11.240      | 11.206       | 11.307     | VB       | 136195         | 1420516      | 87.67%         | 4.675%        |
| 11                      | 11.932      | 11.862       | 11.979     | BB       | 140723         | 1520285      | 93.83%         | 5.003%        |
| 12                      | 12.986      | 12.946       | 13.031     | VB       | 128913         | 1437780      | 88.73%         | 4.731%        |
| 13                      | 13.284      | 13.219       | 13.317     | BV       | 128165         | 1414183      | 87.28%         | 4.654%        |
| 14                      | 15.163      | 15.116       | 15.183     | BV       | 114139         | 1372181      | 84.69%         | 4.516%        |
| 15                      | 15.204      | 15.183       | 15.271     | VB       | 120890         | 1398430      | 86.31%         | 4.602%        |
| 16                      | 16.720      | 16.646       | 16.735     | BV       | 108628         | 1409539      | 86.99%         | 4.638%        |
| 17                      | 16.751      | 16.735       | 16.789     | VV       | 116981         | 1325553      | 81.81%         | 4.362%        |
| 18                      | 17.100      | 17.034       | 17.142     | BV       | 116655         | 1395587      | 86.13%         | 4.593%        |
| 19                      | 18.470      | 18.431       | 18.488     | PV       | 106391         | 1392923      | 85.97%         | 4.584%        |
| 20                      | 18.510      | 18.488       | 18.564     | VB       | 123136         | 1565656      | 96.63%         | 5.152%        |
| 21                      | 18.726      | 18.661       | 18.757     | BV       | 117208         | 1493053      | 92.15%         | 4.913%        |
| Sum of corrected areas: |             |              |            |          |                |              | 30387981       |               |

Aromatic EPH 110724.M Fri Nov 08 08:58:41 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
 Data File : FF014966.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Nov 2024 19:43  
 Operator : YP\AJ  
 Sample : 5 PPM AROMATIC HC STD5  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Nov 08 08:45:24 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 08 08:43:02 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

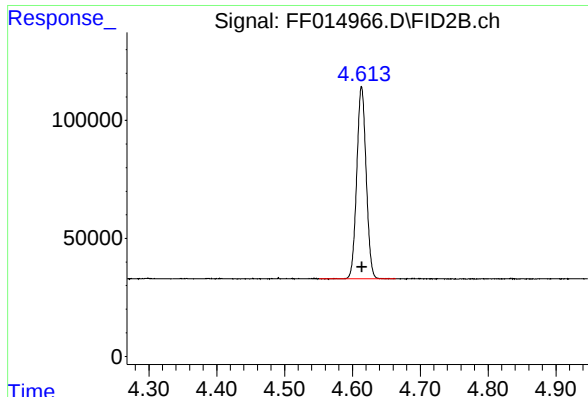
Volume Inj. : 1 µl  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units  |
|------------------------------------|--------|------------|-------------|
| -----                              |        |            |             |
| System Monitoring Compounds        |        |            |             |
| 4) S 2-Bromonaphthalene (S...      | 7.995  | 683331     | 4.941 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 9.88%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.870  | 455230     | 4.916 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 9.83%       |
| 11) S ortho-Terphenyl (SURR)       | 11.931 | 761522     | 4.987 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 9.97%       |
| Target Compounds                   |        |            |             |
| 1) T 1,2,3-Trimethylbenzen...      | 4.614  | 784905     | 4.957 ug/ml |
| 2) T Naphthalene (C11.7)           | 6.278  | 805649     | 4.952 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 7.371  | 801496     | 4.906 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.671  | 780019     | 4.943 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.969  | 778258     | 4.940 ug/ml |
| 8) T Fluorene (C16.55)             | 9.758  | 760561     | 4.946 ug/ml |
| 9) T Phenanthrene (C19.36)         | 11.164 | 744809     | 4.954 ug/ml |
| 10) T Anthracene (C19.43)          | 11.239 | 709953     | 4.991 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.984 | 722410     | 4.995 ug/ml |
| 13) T Pyrene (C20.8)               | 13.283 | 713202     | 4.993 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 15.161 | 702023     | 5.099 ug/ml |
| 15) T Chrysene (C27.41)            | 15.203 | 724398     | 5.190 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.718 | 724657     | 5.108 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.748 | 681476     | 5.134 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 17.097 | 709634     | 5.057 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.466 | 710611     | 5.035 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.507 | 854046     | 5.557 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.722 | 759135     | 4.953 ug/ml |
| -----                              |        |            |             |

(f)=RT Delta > 1/2 Window

(m)=manual int.

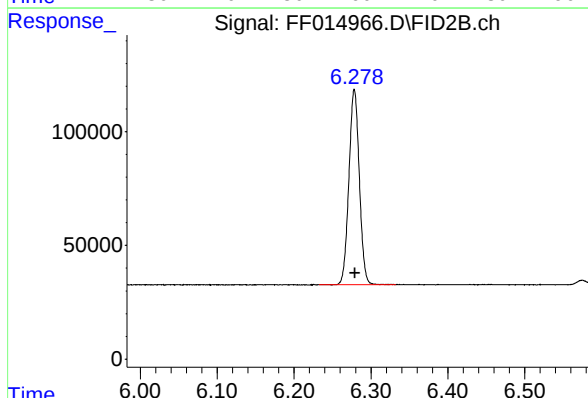




#1 1,2,3-Trimethylbenzene (C10.1)

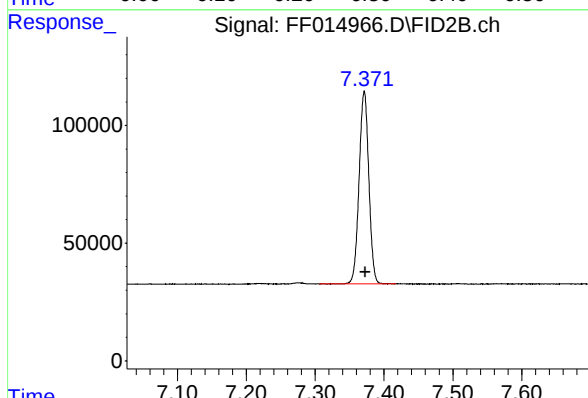
R.T.: 4.614 min  
Delta R.T.: 0.000 min  
Response: 784905  
Conc: 4.96 ug/ml

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



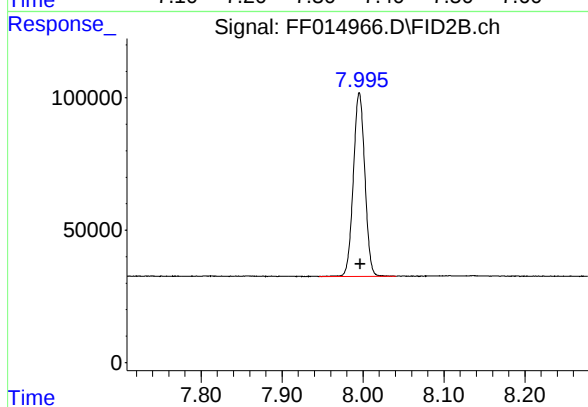
#2 Naphthalene (C11.7)

R.T.: 6.278 min  
Delta R.T.: 0.000 min  
Response: 805649  
Conc: 4.95 ug/ml



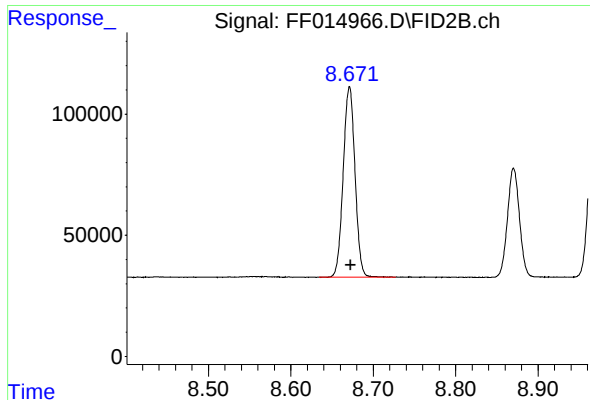
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.371 min  
Delta R.T.: -0.002 min  
Response: 801496  
Conc: 4.91 ug/ml



#4 2-Bromonaphthalene (SURR)

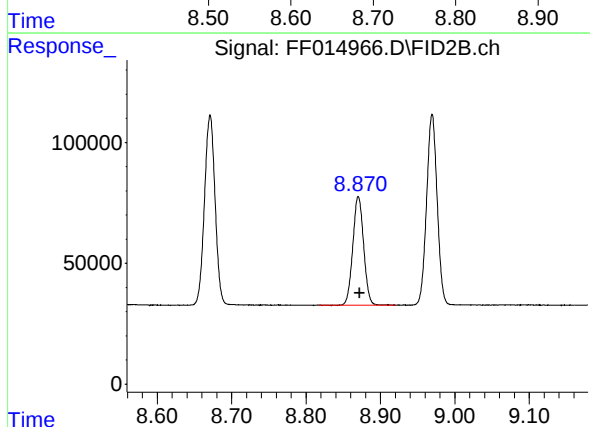
R.T.: 7.995 min  
Delta R.T.: -0.001 min  
Response: 683331  
Conc: 4.94 ug/ml



#5 Acenaphthylene (C15.06)

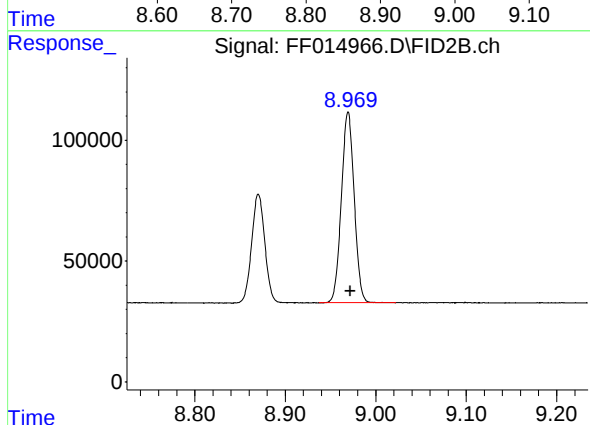
R.T.: 8.671 min  
Delta R.T.: -0.002 min  
Response: 780019  
Conc: 4.94 ug/ml

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



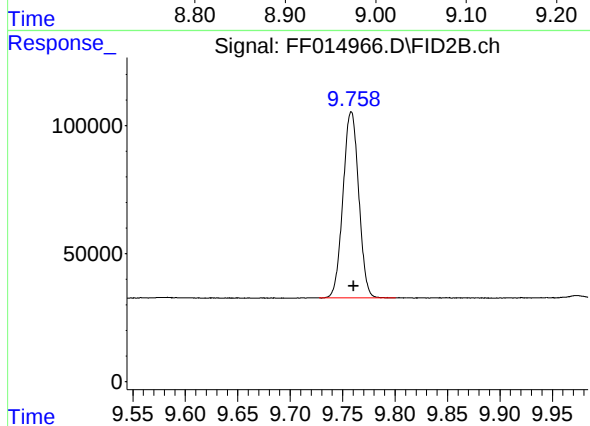
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.870 min  
Delta R.T.: -0.002 min  
Response: 455230  
Conc: 4.92 ug/ml



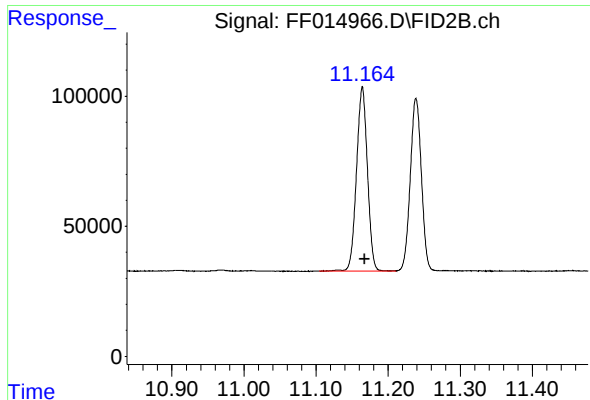
#7 Acenaphthene (C15.5)

R.T.: 8.969 min  
Delta R.T.: -0.002 min  
Response: 778258  
Conc: 4.94 ug/ml



#8 Flouorene (C16.55)

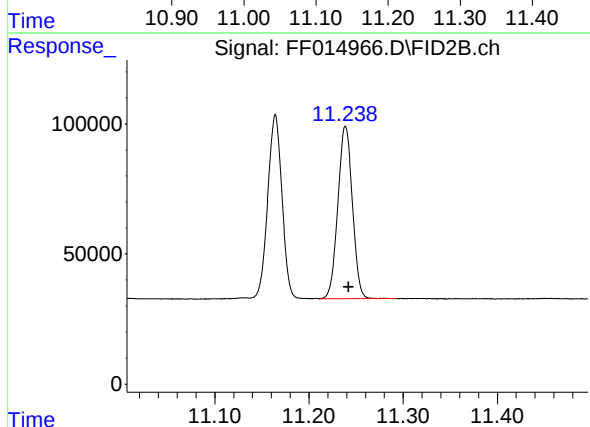
R.T.: 9.758 min  
Delta R.T.: -0.002 min  
Response: 760561  
Conc: 4.95 ug/ml



#9 Phenanthrene (C19.36)

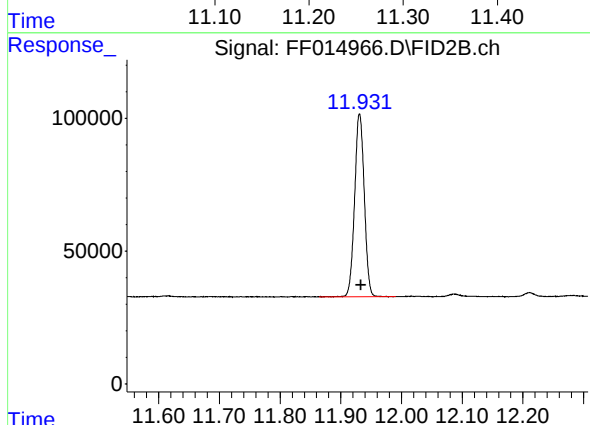
R.T.: 11.164 min  
Delta R.T.: -0.003 min  
Response: 744809  
Conc: 4.95 ug/ml

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



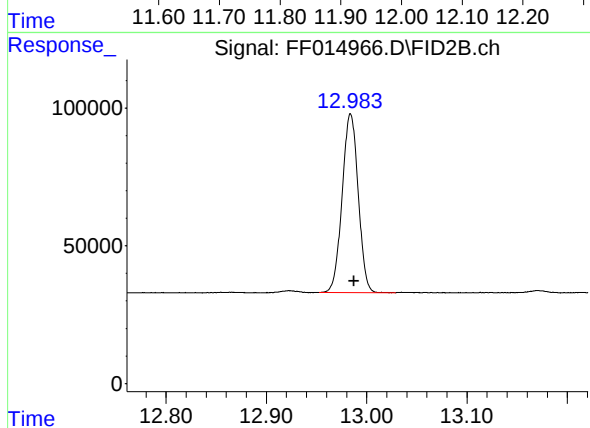
#10 Anthracene (C19.43)

R.T.: 11.239 min  
Delta R.T.: -0.003 min  
Response: 709953  
Conc: 4.99 ug/ml



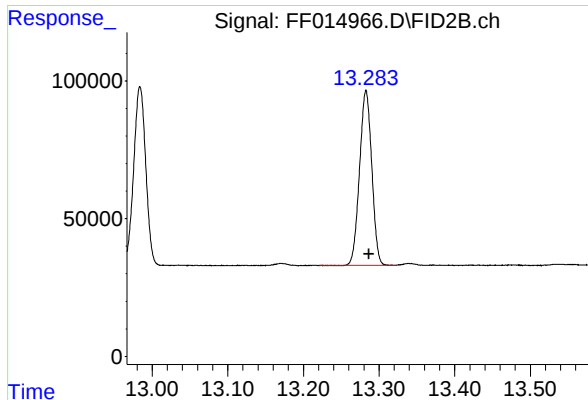
#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min  
Delta R.T.: -0.002 min  
Response: 761522  
Conc: 4.99 ug/ml



#12 Fluoranthene (C21.85)

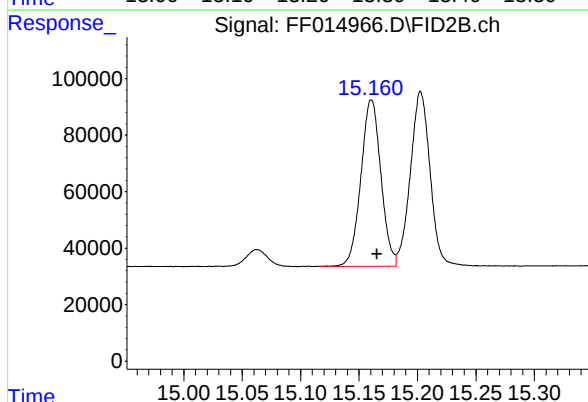
R.T.: 12.984 min  
Delta R.T.: -0.003 min  
Response: 722410  
Conc: 4.99 ug/ml



#13 Pyrene (C20.8)

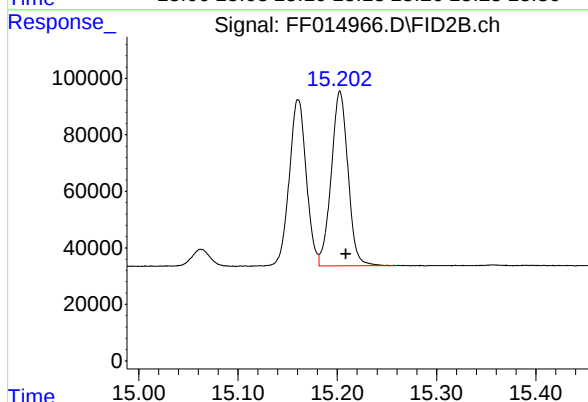
R.T.: 13.283 min  
Delta R.T.: -0.004 min  
Response: 713202  
Conc: 4.99 ug/ml

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



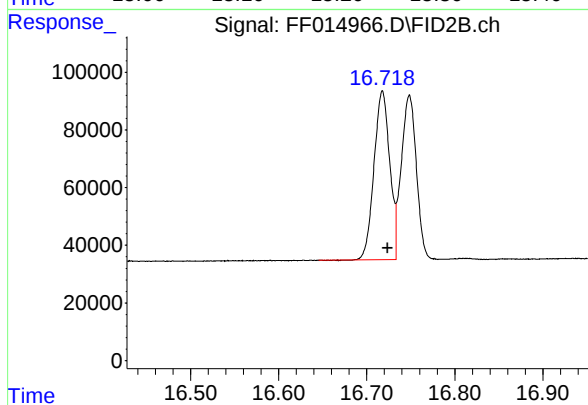
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.161 min  
Delta R.T.: -0.005 min  
Response: 702023  
Conc: 5.10 ug/ml



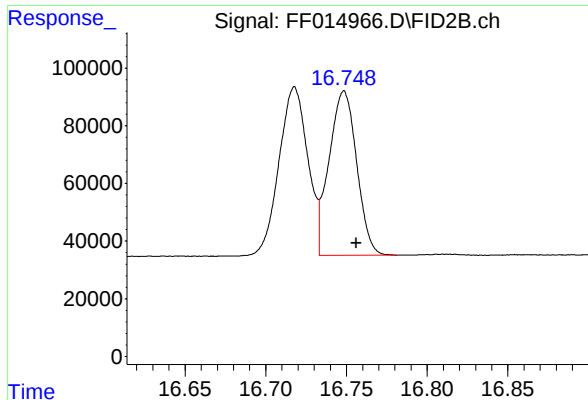
#15 Chrysene (C27.41)

R.T.: 15.203 min  
Delta R.T.: -0.006 min  
Response: 724398  
Conc: 5.19 ug/ml



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

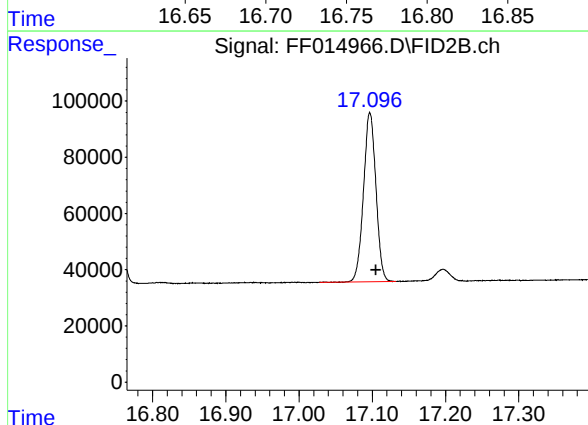
R.T.: 16.718 min  
Delta R.T.: -0.006 min  
Response: 724657  
Conc: 5.11 ug/ml



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

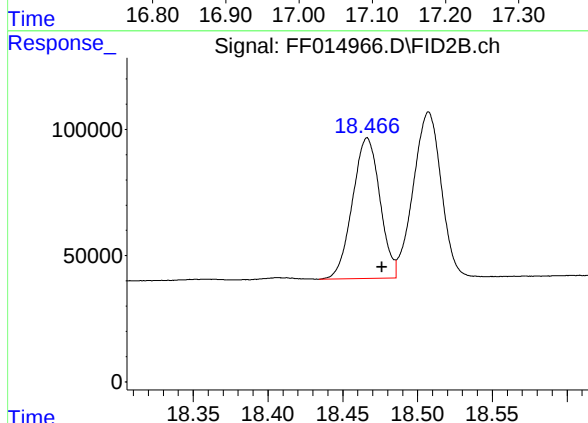
R.T.: 16.748 min  
Delta R.T.: -0.008 min  
Response: 681476  
Conc: 5.13 ug/ml

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



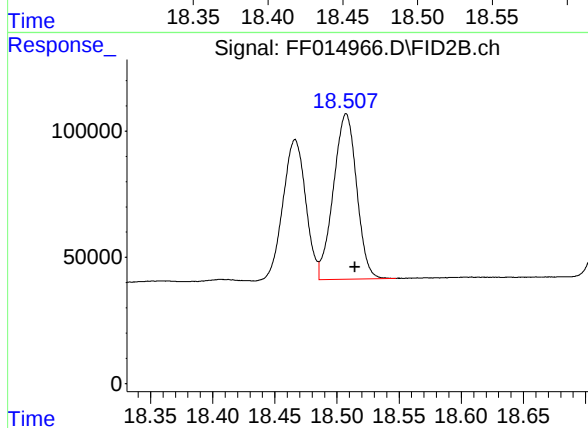
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.097 min  
Delta R.T.: -0.008 min  
Response: 709634  
Conc: 5.06 ug/ml



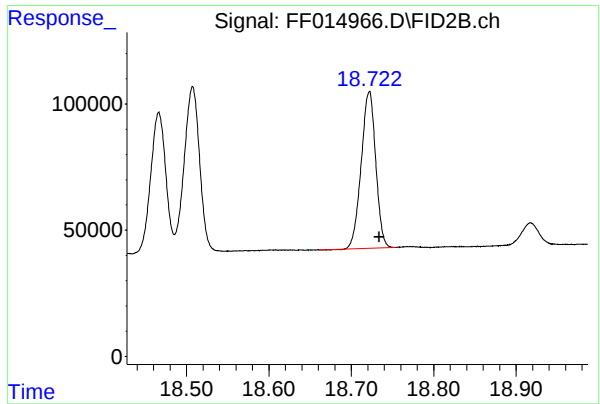
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.466 min  
Delta R.T.: -0.010 min  
Response: 710611  
Conc: 5.04 ug/ml



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

R.T.: 18.507 min  
Delta R.T.: -0.007 min  
Response: 854046  
Conc: 5.56 ug/ml



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

R.T.: 18.722 min  
Delta R.T.: -0.012 min  
Response: 759135  
Conc: 4.95 ug/ml

Instrument :

FID\_F

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014966.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 19:43  
Sample : 5 PPM AROMATIC HC STD5  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Title : GC Extractables

Signal : FID2B.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                       | 4.614       | 4.551        | 4.664      | BB       | 81313          | 784905       | 91.90%         | 5.108%        |
| 2                       | 6.278       | 6.232        | 6.332      | BB       | 85835          | 805649       | 94.33%         | 5.243%        |
| 3                       | 7.371       | 7.306        | 7.417      | BB       | 81664          | 801496       | 93.85%         | 5.216%        |
| 4                       | 7.996       | 7.946        | 8.041      | BB       | 69355          | 683331       | 80.01%         | 4.447%        |
| 5                       | 8.671       | 8.634        | 8.727      | BB       | 78582          | 780019       | 91.33%         | 5.076%        |
| 6                       | 8.870       | 8.817        | 8.921      | BB       | 44886          | 455230       | 53.30%         | 2.962%        |
| 7                       | 8.969       | 8.937        | 9.022      | BB       | 78905          | 778258       | 91.13%         | 5.064%        |
| 8                       | 9.758       | 9.727        | 9.801      | BB       | 72943          | 760561       | 89.05%         | 4.949%        |
| 9                       | 11.164      | 11.104       | 11.211     | BV       | 70881          | 744809       | 87.21%         | 4.847%        |
| 10                      | 11.239      | 11.211       | 11.292     | VB       | 66143          | 709953       | 83.13%         | 4.620%        |
| 11                      | 11.931      | 11.864       | 11.991     | BB       | 68889          | 761522       | 89.17%         | 4.955%        |
| 12                      | 12.984      | 12.952       | 13.029     | BB       | 64927          | 722410       | 84.59%         | 4.701%        |
| 13                      | 13.283      | 13.221       | 13.322     | BV       | 63564          | 713202       | 83.51%         | 4.641%        |
| 14                      | 15.161      | 15.116       | 15.182     | BV       | 58956          | 702023       | 82.20%         | 4.568%        |
| 15                      | 15.203      | 15.182       | 15.259     | VB       | 61900          | 724398       | 84.82%         | 4.714%        |
| 16                      | 16.718      | 16.646       | 16.733     | BV       | 58536          | 724657       | 84.85%         | 4.716%        |
| 17                      | 16.748      | 16.733       | 16.781     | VV       | 57282          | 681476       | 79.79%         | 4.435%        |
| 18                      | 17.097      | 17.027       | 17.132     | BB       | 60034          | 709634       | 83.09%         | 4.618%        |
| 19                      | 18.466      | 18.434       | 18.486     | PV       | 55713          | 710611       | 83.21%         | 4.624%        |
| 20                      | 18.507      | 18.486       | 18.547     | VV       | 65711          | 854046       | 100.00%        | 5.558%        |
| 21                      | 18.722      | 18.661       | 18.754     | BV       | 62494          | 759135       | 88.89%         | 4.940%        |
| Sum of corrected areas: |             |              |            |          |                |              | 15367326       |               |

Aromatic EPH 110724.M Fri Nov 08 08:59:01 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
 Data File : FF014967.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Nov 2024 20:11  
 Operator : YP\AJ  
 Sample : 20 PPM AROMATIC HC STD ICV  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e  
 Quant Time: Nov 08 08:50:37 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Nov 08 08:49:17 2024  
 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...      | 7.996  | 2677459    | 20.119 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.24%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.872  | 1788884    | 20.057 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.11%        |
| 11) S ortho-Terphenyl (SURR)       | 11.933 | 2937292    | 19.943 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 39.89%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.613  | 3083180    | 20.258 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.279  | 3162444    | 20.151 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.373  | 3171496    | 20.217 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.672  | 3054984    | 20.089 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.971  | 3044860    | 20.067 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.760  | 2965974    | 19.995 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.166 | 2883607    | 19.882 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.241 | 2756127    | 20.084 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.986 | 2778509    | 19.881 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.286 | 2741087    | 19.893 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.164 | 2628452    | 19.698 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.207 | 2665304    | 19.633 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.723 | 2691646    | 19.581 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.755 | 2538092    | 19.731 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.103 | 2679045    | 19.758 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.474 | 2668215    | 19.414 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 18.513 | 2742319    | 18.535 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.732 | 2893039    | 19.768 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724AR\  
Data File : FF014967.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 20:11  
Operator : YP\AJ  
Sample : 20 PPM AROMATIC HC STD ICV  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

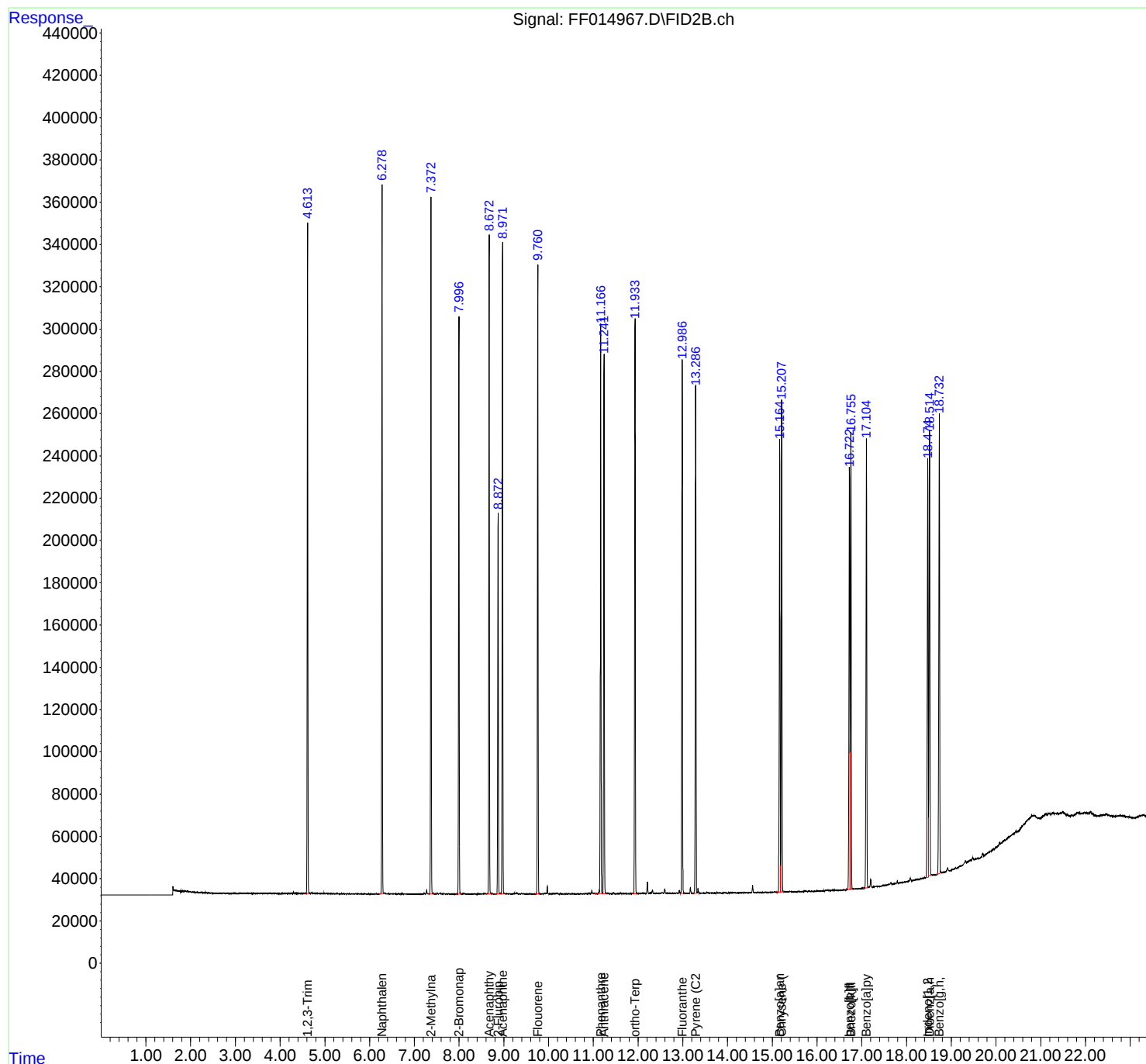
Instrument :  
FID\_F  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV

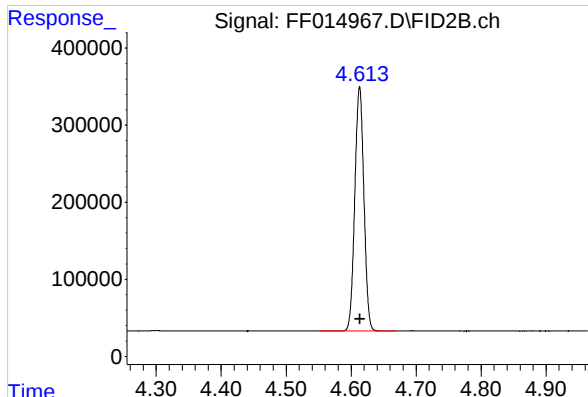
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e  
Quant Time: Nov 08 08:50:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Quant Title : GC Extractables  
QLast Update : Fri Nov 08 08:49:17 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





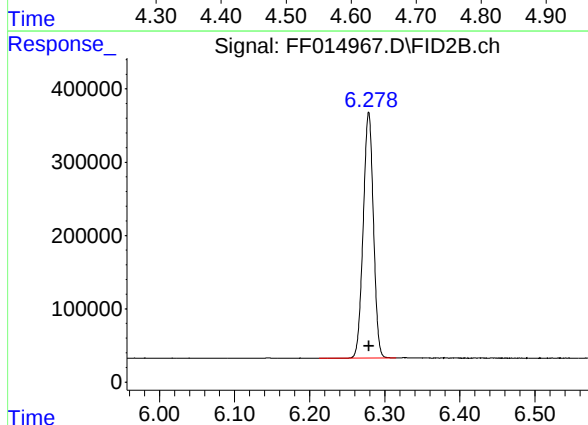
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.613 min  
Delta R.T.: 0.000 min  
Response: 3083180  
Conc: 20.26 ug/ml

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

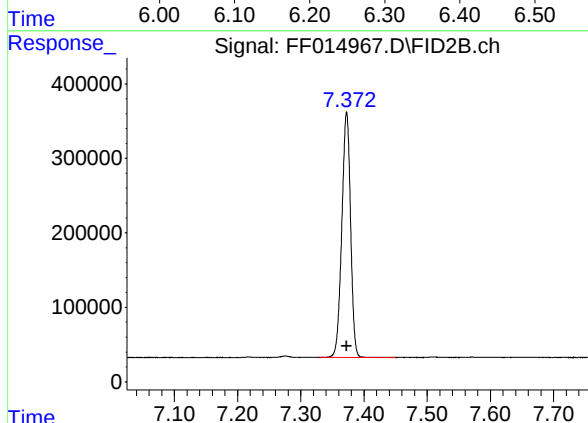
Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 11/08/2024



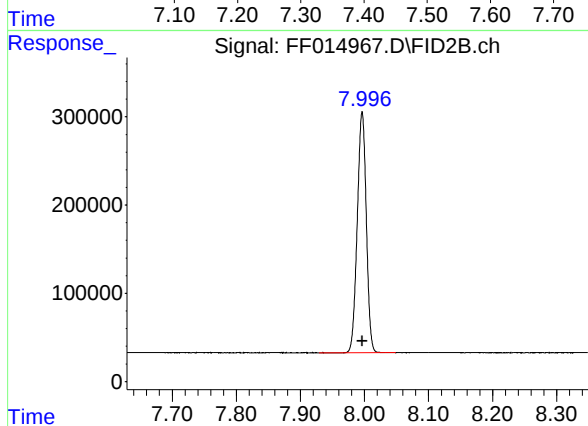
#2 Naphthalene (C11.7)

R.T.: 6.279 min  
Delta R.T.: 0.000 min  
Response: 3162444  
Conc: 20.15 ug/ml



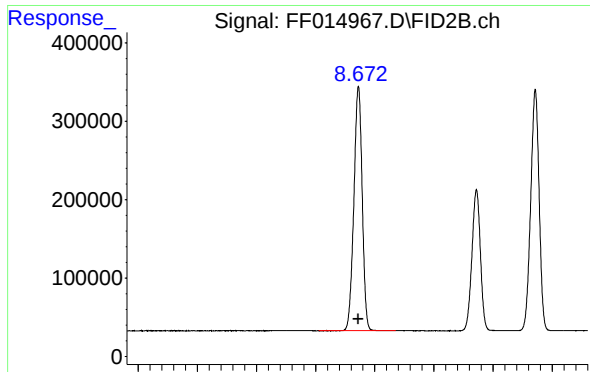
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min  
Delta R.T.: 0.000 min  
Response: 3171496  
Conc: 20.22 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min  
Delta R.T.: 0.000 min  
Response: 2677459  
Conc: 20.12 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.672 min  
Delta R.T.: 0.000 min  
Response: 3054984  
Conc: 20.09 ug/ml

Instrument :

FID\_F

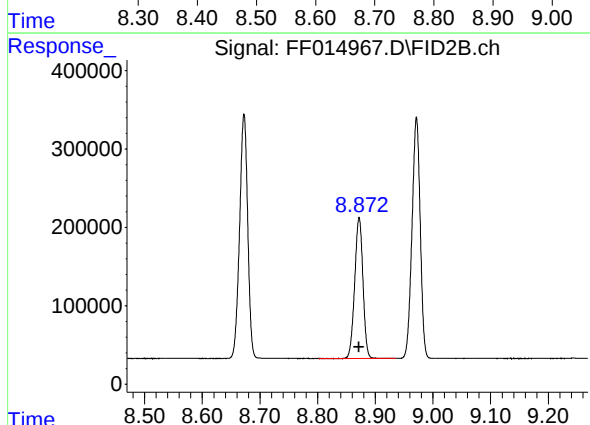
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

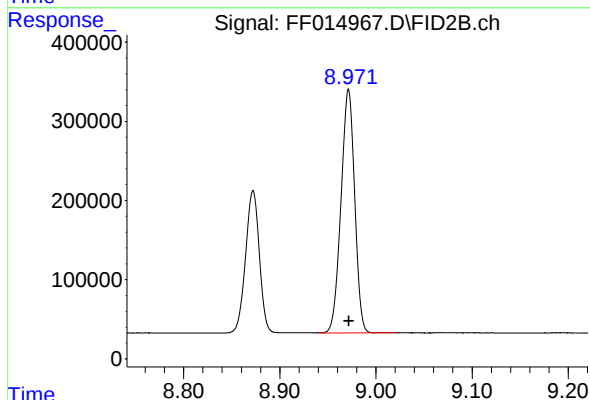
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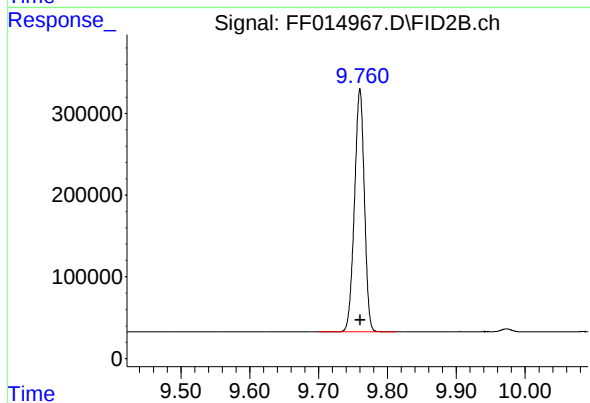
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.872 min  
Delta R.T.: 0.000 min  
Response: 1788884  
Conc: 20.06 ug/ml



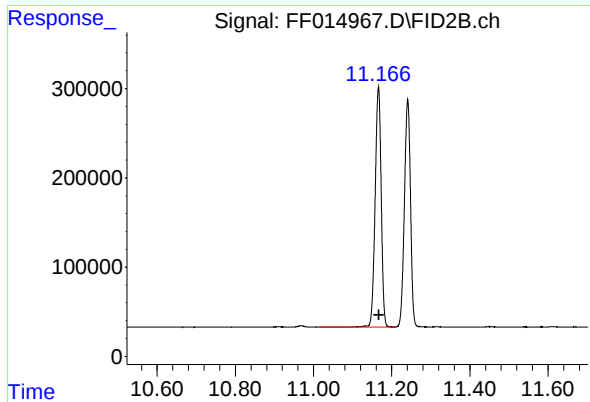
#7 Acenaphthene (C15.5)

R.T.: 8.971 min  
Delta R.T.: 0.000 min  
Response: 3044860  
Conc: 20.07 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min  
Delta R.T.: 0.000 min  
Response: 2965974  
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.166 min  
Delta R.T.: -0.001 min  
Response: 2883607  
Conc: 19.88 ug/ml

Instrument :

FID\_F

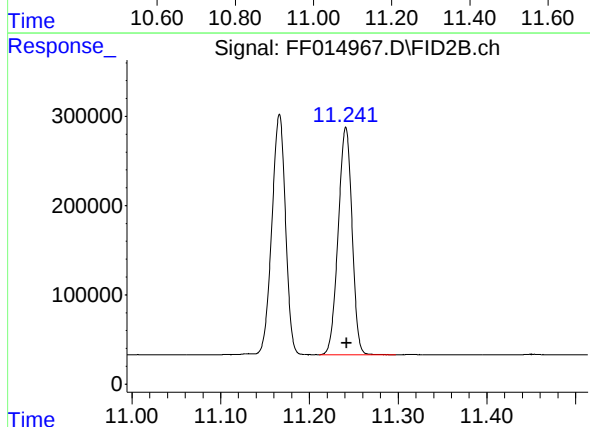
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

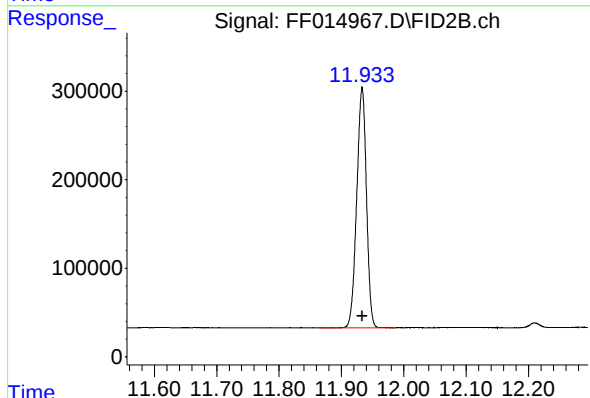
APPROVED

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Supervised By :Ankita Jodhani 11/08/2024



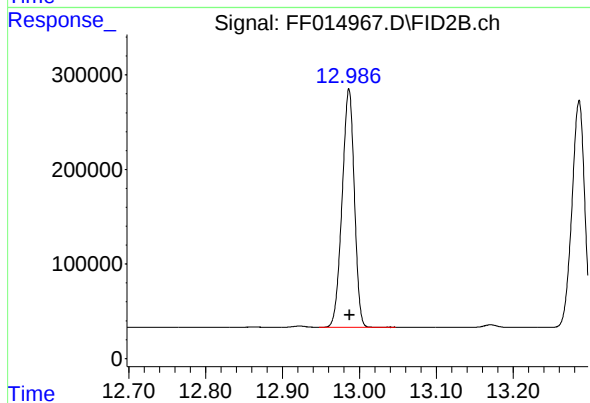
#10 Anthracene (C19.43)

R.T.: 11.241 min  
Delta R.T.: -0.001 min  
Response: 2756127  
Conc: 20.08 ug/ml



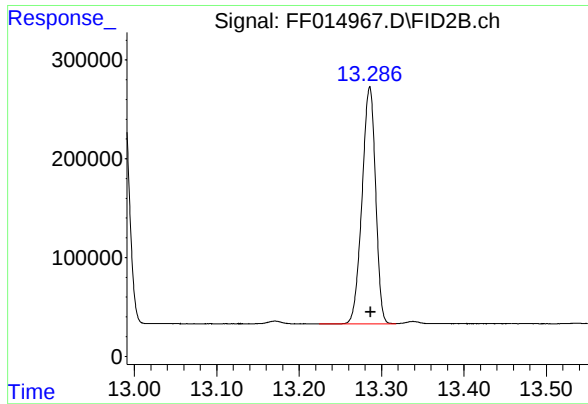
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min  
Delta R.T.: 0.000 min  
Response: 2937292  
Conc: 19.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.986 min  
Delta R.T.: -0.001 min  
Response: 2778509  
Conc: 19.88 ug/ml



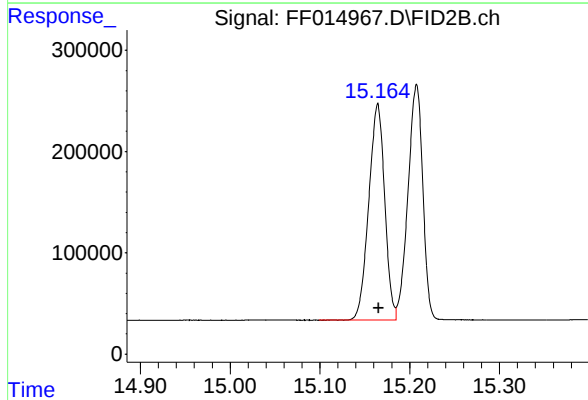
#13 Pyrene (C20.8)

R.T.: 13.286 min  
Delta R.T.: -0.001 min  
Response: 2741087  
Conc: 19.89 ug/ml

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

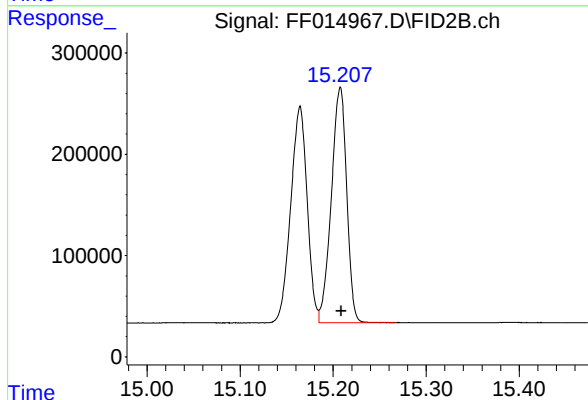
Manual Integrations  
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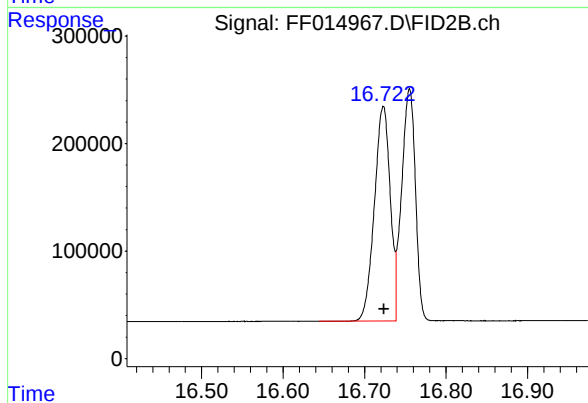
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.164 min  
Delta R.T.: -0.001 min  
Response: 2628452  
Conc: 19.70 ug/ml



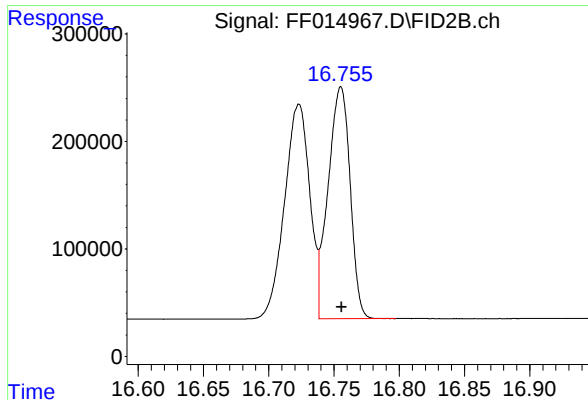
#15 Chrysene (C27.41)

R.T.: 15.207 min  
Delta R.T.: -0.001 min  
Response: 2665304  
Conc: 19.63 ug/ml



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

R.T.: 16.723 min  
Delta R.T.: 0.000 min  
Response: 2691646  
Conc: 19.58 ug/ml



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

R.T.: 16.755 min  
Delta R.T.: 0.000 min  
Response: 2538092  
Conc: 19.73 ug/ml

Instrument :

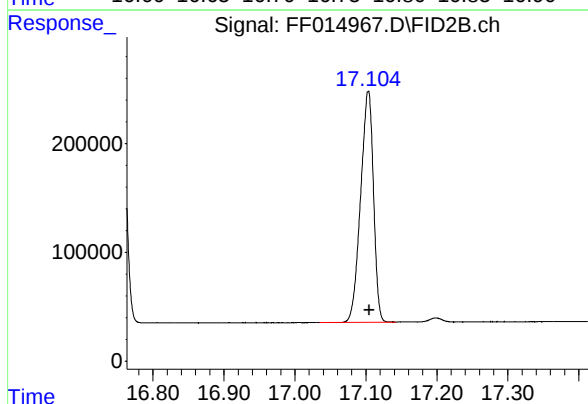
FID\_F

ClientSampleId :

20 PPM AROMATIC HC STD ICV

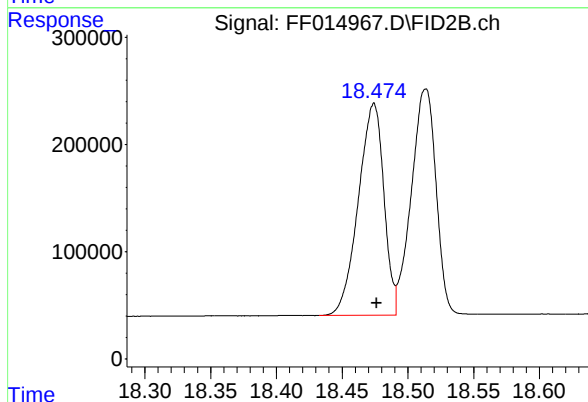
Manual Integrations  
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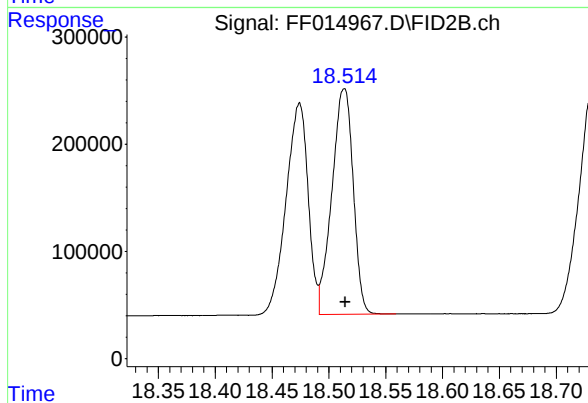
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min  
Delta R.T.: -0.002 min  
Response: 2679045  
Conc: 19.76 ug/ml



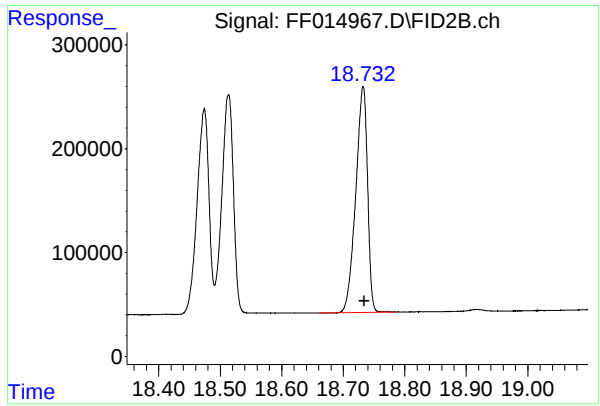
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.474 min  
Delta R.T.: -0.002 min  
Response: 2668215  
Conc: 19.41 ug/ml m



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

R.T.: 18.513 min  
Delta R.T.: -0.001 min  
Response: 2742319  
Conc: 18.54 ug/ml



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

R.T.: 18.732 min  
Delta R.T.: -0.002 min  
Response: 2893039  
Conc: 19.77 ug/ml

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

Manual Integrations  
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Instrument :  
FID\_F  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV  
Area Percent Report

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF110724  
Data File : FF014967.D  
Signal(s) : FID2B.ch  
Acq On : 07 Nov 2024 20:11  
Sample : 20 PPM AROMATIC HC STD ICV  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 110724.M  
Title : GC Extractables

Signal : FID2B.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                       | 4.613       | 4.551        | 4.669      | BB       | 316958         | 3083180      | 97.22%         | 5.268%        |
| 2                       | 6.279       | 6.212        | 6.315      | BV       | 336245         | 3162444      | 99.71%         | 5.403%        |
| 3                       | 7.373       | 7.329        | 7.451      | BB       | 329296         | 3171496      | 100.00%        | 5.418%        |
| 4                       | 7.996       | 7.929        | 8.049      | BB       | 272723         | 2677459      | 84.42%         | 4.574%        |
| 5                       | 8.672       | 8.606        | 8.736      | BB       | 312077         | 3054984      | 96.33%         | 5.219%        |
| 6                       | 8.872       | 8.802        | 8.936      | BB       | 180201         | 1788884      | 56.41%         | 3.056%        |
| 7                       | 8.971       | 8.941        | 9.021      | BB       | 307713         | 3044860      | 96.01%         | 5.202%        |
| 8                       | 9.760       | 9.701        | 9.812      | BB       | 298467         | 2965974      | 93.52%         | 5.067%        |
| 9                       | 11.166      | 11.014       | 11.211     | BV       | 269251         | 2883607      | 90.92%         | 4.927%        |
| 10                      | 11.241      | 11.211       | 11.297     | VV       | 254766         | 2756127      | 86.90%         | 4.709%        |
| 11                      | 11.933      | 11.864       | 11.987     | BB       | 270631         | 2937292      | 92.62%         | 5.018%        |
| 12                      | 12.986      | 12.947       | 13.047     | PB       | 252310         | 2778509      | 87.61%         | 4.747%        |
| 13                      | 13.286      | 13.224       | 13.317     | BV       | 240301         | 2741087      | 86.43%         | 4.683%        |
| 14                      | 15.164      | 15.099       | 15.185     | BV       | 213412         | 2628452      | 82.88%         | 4.491%        |
| 15                      | 15.207      | 15.185       | 15.267     | VB       | 232655         | 2665304      | 84.04%         | 4.554%        |
| 16                      | 16.723      | 16.644       | 16.739     | BV       | 199452         | 2691646      | 84.87%         | 4.599%        |
| 17                      | 16.755      | 16.739       | 16.797     | VB       | 216639         | 2538092      | 80.03%         | 4.336%        |
| 18                      | 17.103      | 17.034       | 17.142     | BV       | 213052         | 2679045      | 84.47%         | 4.577%        |
| 19                      | 18.474      | 18.281       | 18.491     | BV       | 197525         | 2648168      | 83.50%         | 4.524%        |
| 20                      | 18.513      | 18.491       | 18.559     | VB       | 211030         | 2742319      | 86.47%         | 4.685%        |
| 21                      | 18.732      | 18.661       | 18.786     | BB       | 218242         | 2893039      | 91.22%         | 4.943%        |
| Sum of corrected areas: |             |              |            |          |                | 58531968     |                |               |

Aromatic EPH 110724.M Fri Nov 08 08:59:38 2024