

Initial Calibration Report for SequenceID : FD012425AR

**AreaCount**

| Parameter Range  | FD048945.D    | FD048946.D    | FD048947.D   | FD048948.D   | FD048949.D   |  |
|------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aromatic C10-C12 | 30613634.000  | 15394701.000  | 6122051.000  | 3223218.000  | 1549258.000  |  |
| Aromatic C12-C16 | 46428964.000  | 23585820.000  | 9503278.000  | 5073670.000  | 2573200.000  |  |
| Aromatic C16-C21 | 61020495.000  | 30945609.000  | 12177178.000 | 6382159.000  | 3083864.000  |  |
| Aromatic C21-C36 | 126755619.000 | 64546927.000  | 25163411.000 | 13252912.000 | 6353375.000  |  |
| Aromatic EPH     | 264818712.000 | 134473057.000 | 52965918.000 | 27931959.000 | 13559697.000 |  |

**AVG Response Factor**

| Parameter Range  | AVG RF         | % RSD |  |  |  |  |
|------------------|----------------|-------|--|--|--|--|
| Aromatic C10-C12 | 155230.631     | 2.193 |  |  |  |  |
| Aromatic C12-C16 | 162211.7959996 | 4.672 |  |  |  |  |
| Aromatic C16-C21 | 154648.2365    | 1.902 |  |  |  |  |
| Aromatic C21-C36 | 142502.9217772 | 2.084 |  |  |  |  |
| Aromatic EPH     | 149900.8828886 | 2.214 |  |  |  |  |

**Concentration**

| Parameter Range  | FD048945.D | FD048946.D | FD048947.D | FD048948.D | FD048949.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  | FD048945.D    | FD048946.D    | FD048947.D    | FD048948.D    | FD048949.D    |  |
|------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aromatic C10-C12 | 153068.170000 | 153947.010000 | 153051.275000 | 161160.900000 | 154925.800000 |  |
| Aromatic C12-C16 | 154763.213333 | 157238.800000 | 158387.966666 | 169122.333333 | 171546.666666 |  |
| Aromatic C16-C21 | 152551.237500 | 154728.045000 | 152214.725000 | 159553.975000 | 154193.200000 |  |
| Aromatic C21-C36 | 140839.576666 | 143437.615555 | 139796.727777 | 147254.577777 | 141186.111111 |  |
| Aromatic EPH     | 147121.506666 | 149414.507777 | 147127.550000 | 155177.550000 | 150663.300000 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
 Data File : FD048945.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 08:47  
 Operator : YP/AJ  
 Sample : 100 PPM AROMATIC HC STD1  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jan 25 03:30:53 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:28:54 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...      | 7.361  | 13922522   | 99.159 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 198.32%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.212  | 9285844    | 106.723 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 213.45%#      |
| 11) S ortho-Terphenyl (SURR)       | 11.248 | 15536261   | 97.044 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 194.09%       |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.183  | 14992132   | 99.140 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.701  | 15621502   | 100.862 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.749  | 15294014   | 99.536 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.016  | 15709296   | 98.092 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.312  | 15425654   | 95.597 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.090  | 15561239   | 100.161 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.478 | 15143368   | 100.608 ug/ml |
| 10) T Anthracene (C19.43)          | 10.554 | 15070696   | 99.531 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.284 | 15255755   | 99.511 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.578 | 15245192   | 100.588 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.448 | 14536834   | 108.005 ug/ml |
| 15) T Chrysene (C27.41)            | 14.493 | 14824620   | 93.785 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 15.998 | 14473755   | 103.784 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 15.998 | 14473755   | 94.453 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.376 | 13621709   | 100.096 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.744 | 12714636   | 128.017 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.781 | 13210762   | 91.042 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 17.999 | 13643793   | 98.165 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

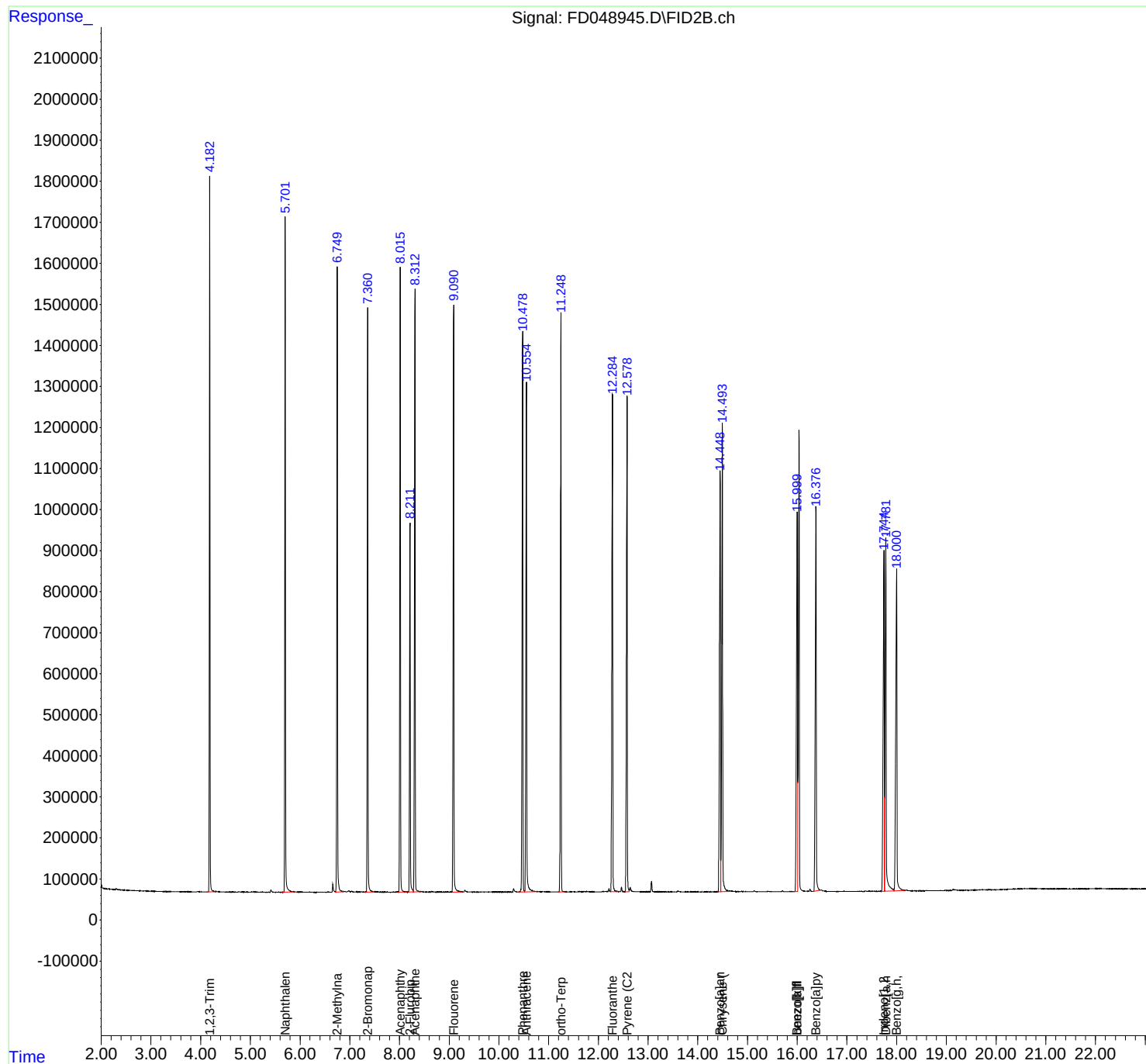
(m)=manual int.

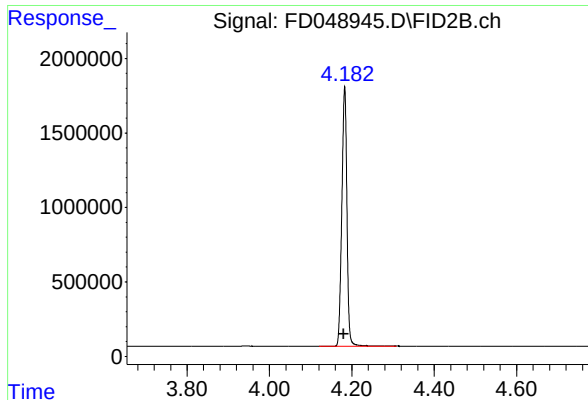
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048945.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 08:47  
Operator : YP/AJ  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jan 25 03:30:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:28:54 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)

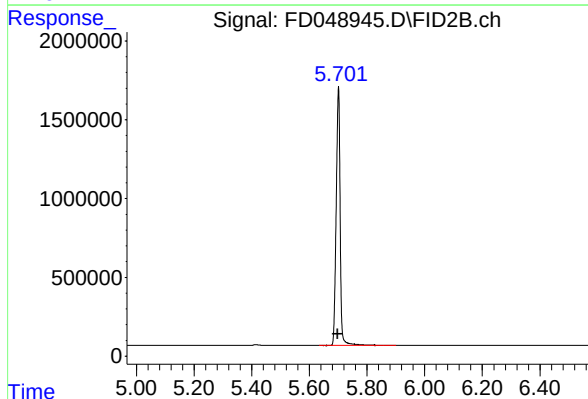
R.T.: 4.183 min  
Delta R.T.: 0.003 min  
Response: 14992132  
Conc: 99.14 ug/ml

Instrument :

FID\_D

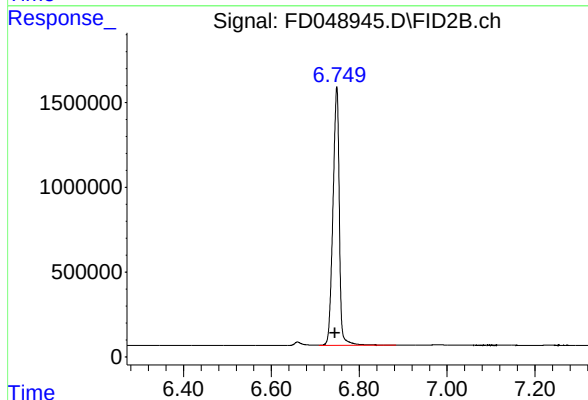
ClientSampleId :

100 PPM AROMATIC HC STD1



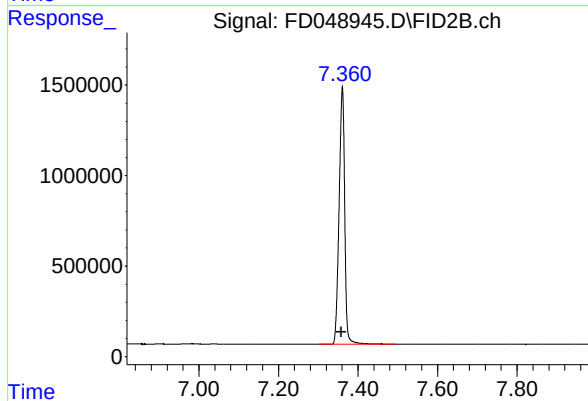
#2 Naphthalene (C11.7)

R.T.: 5.701 min  
Delta R.T.: 0.003 min  
Response: 15621502  
Conc: 100.86 ug/ml



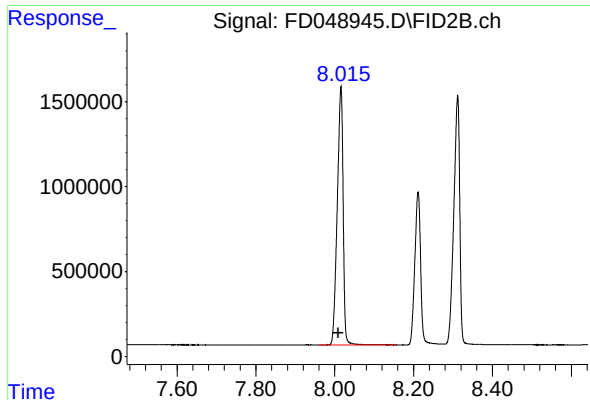
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.749 min  
Delta R.T.: 0.004 min  
Response: 15294014  
Conc: 99.54 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.361 min  
Delta R.T.: 0.003 min  
Response: 13922522  
Conc: 99.16 ug/ml



#5 Acenaphthylene (C15.06)

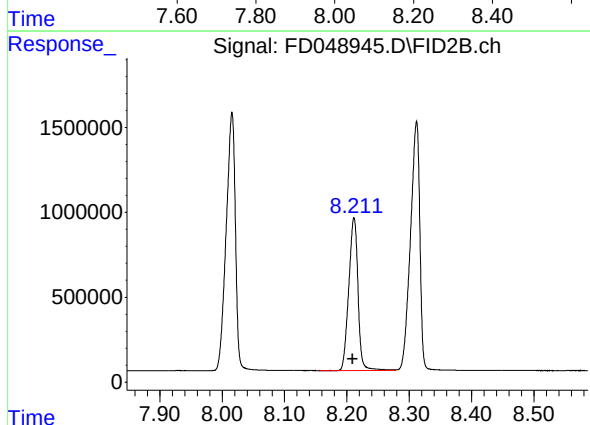
R.T.: 8.016 min  
Delta R.T.: 0.006 min  
Response: 15709296  
Conc: 98.09 ug/ml

Instrument :

FID\_D

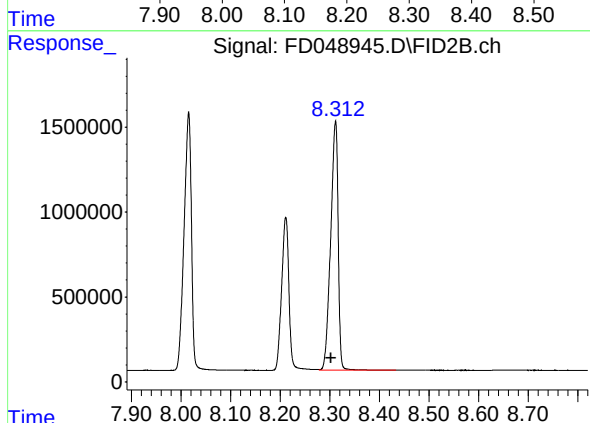
ClientSampleId :

100 PPM AROMATIC HC STD1



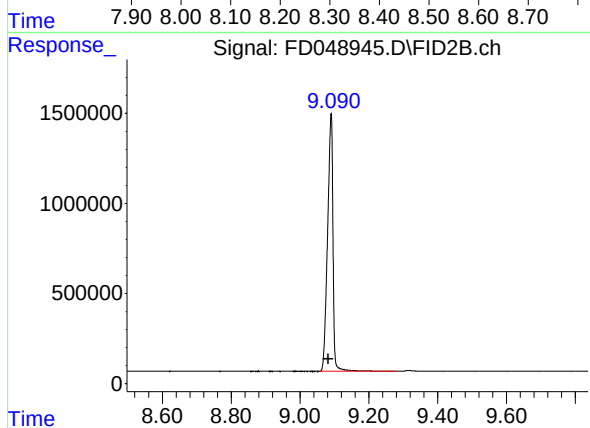
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.212 min  
Delta R.T.: 0.002 min  
Response: 9285844  
Conc: 106.72 ug/ml



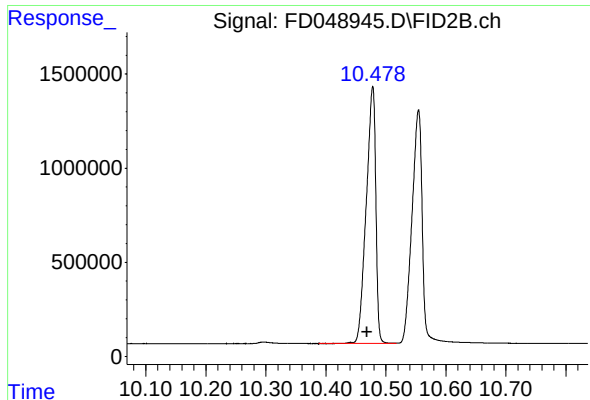
#7 Acenaphthene (C15.5)

R.T.: 8.312 min  
Delta R.T.: 0.009 min  
Response: 15425654  
Conc: 95.60 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.090 min  
Delta R.T.: 0.008 min  
Response: 15561239  
Conc: 100.16 ug/ml



#9 Phenanthrene (C19.36)

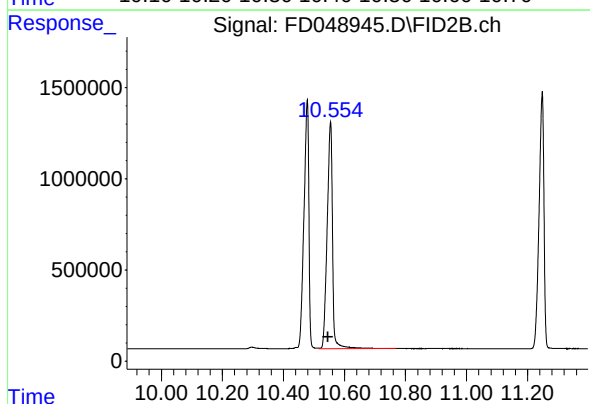
R.T.: 10.478 min  
Delta R.T.: 0.009 min  
Response: 15143368  
Conc: 100.61 ug/ml

Instrument :

FID\_D

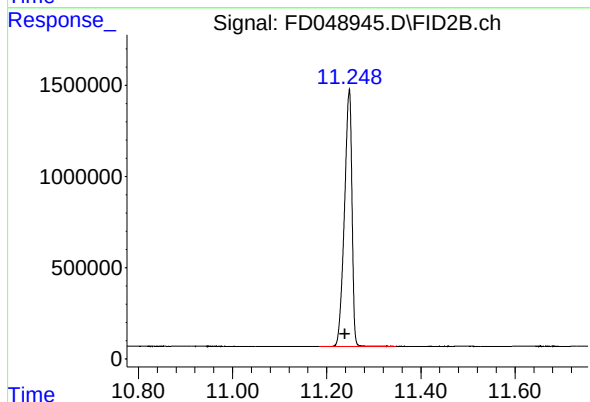
ClientSampleId :

100 PPM AROMATIC HC STD1



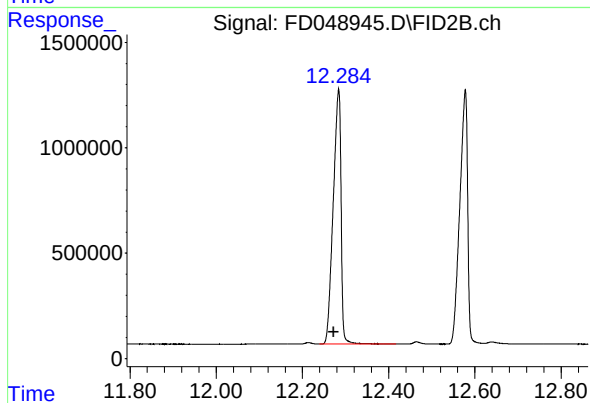
#10 Anthracene (C19.43)

R.T.: 10.554 min  
Delta R.T.: 0.008 min  
Response: 15070696  
Conc: 99.53 ug/ml



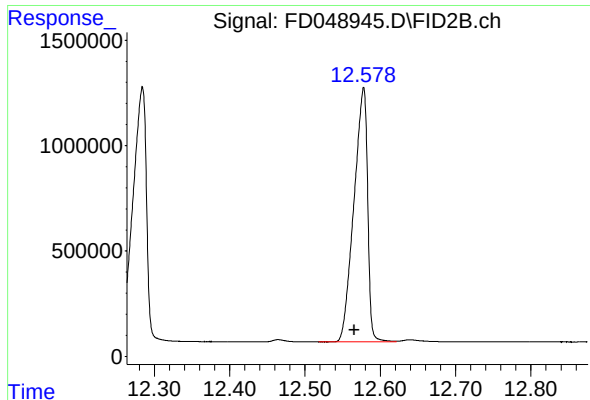
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min  
Delta R.T.: 0.009 min  
Response: 15536261  
Conc: 97.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.284 min  
Delta R.T.: 0.011 min  
Response: 15255755  
Conc: 99.51 ug/ml



#13 Pyrene (C20.8)

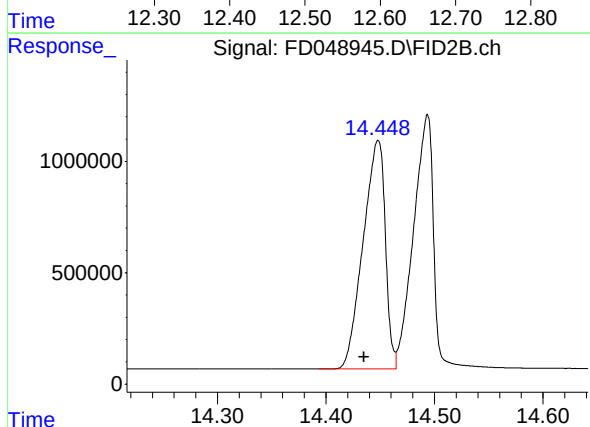
R.T.: 12.578 min  
Delta R.T.: 0.012 min  
Response: 15245192  
Conc: 100.59 ug/ml

Instrument :

FID\_D

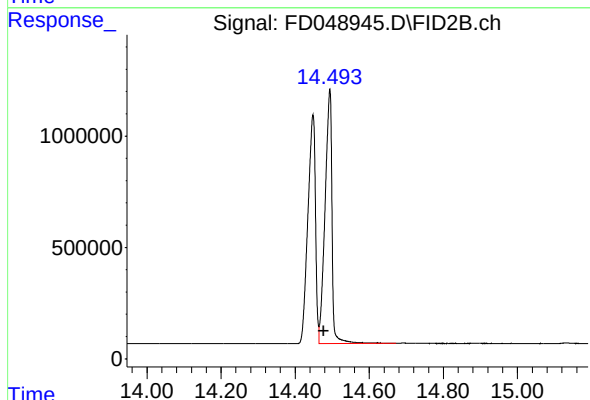
ClientSampleId :

100 PPM AROMATIC HC STD1



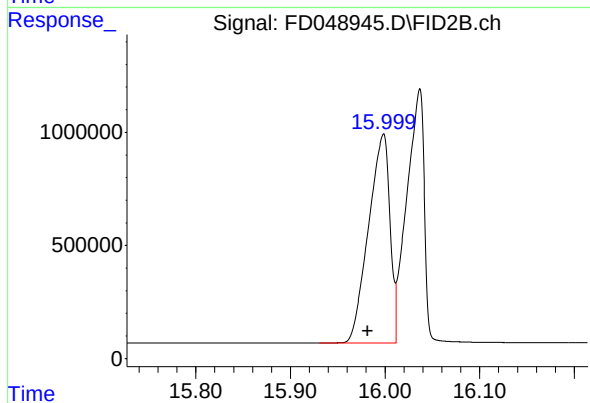
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.448 min  
Delta R.T.: 0.013 min  
Response: 14536834  
Conc: 108.00 ug/ml



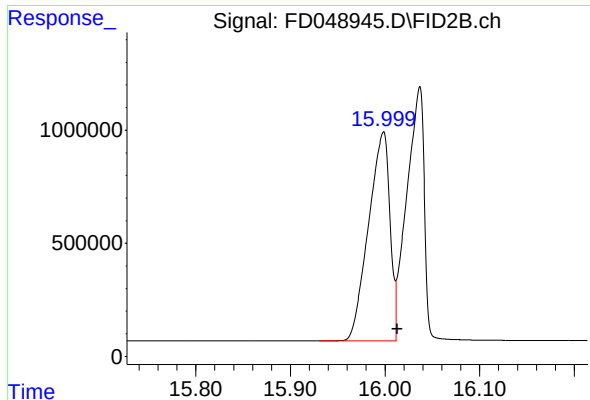
#15 Chrysene (C27.41)

R.T.: 14.493 min  
Delta R.T.: 0.017 min  
Response: 14824620  
Conc: 93.78 ug/ml



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

R.T.: 15.998 min  
Delta R.T.: 0.017 min  
Response: 14473755  
Conc: 103.78 ug/ml



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

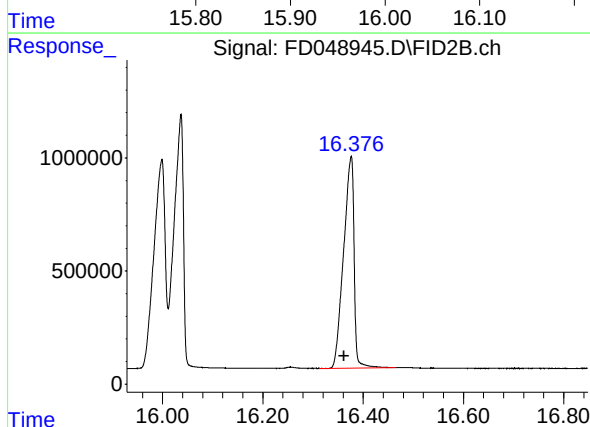
R.T.: 15.998 min  
Delta R.T.: -0.015 min  
Response: 14473755  
Conc: 94.45 ug/ml

Instrument :

FID\_D

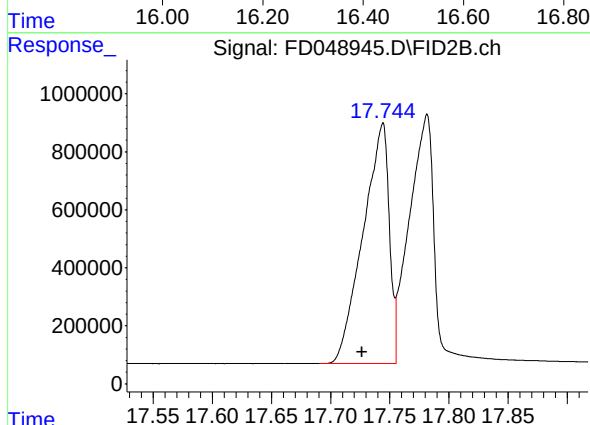
ClientSampleId :

100 PPM AROMATIC HC STD1



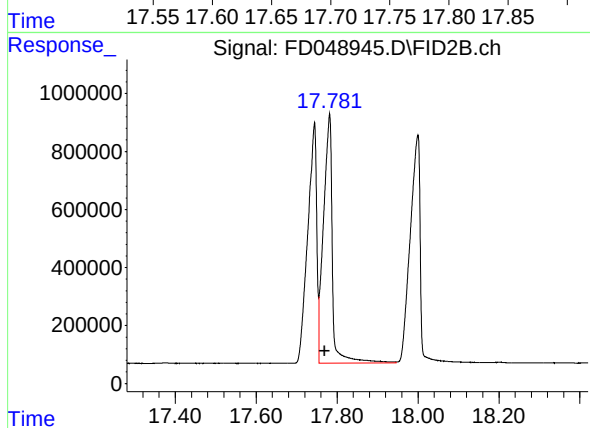
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.376 min  
Delta R.T.: 0.014 min  
Response: 13621709  
Conc: 100.10 ug/ml



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

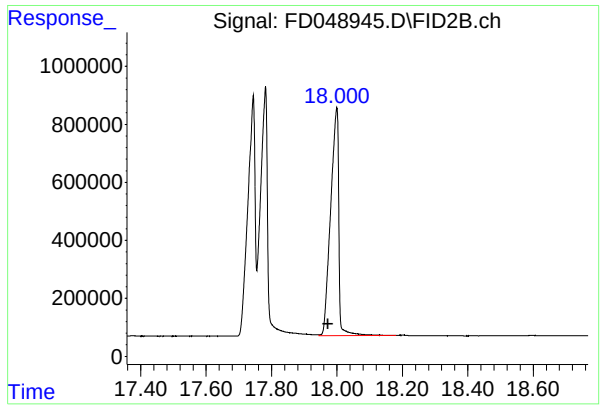
R.T.: 17.744 min  
Delta R.T.: 0.017 min  
Response: 12714636  
Conc: 128.02 ug/ml



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

R.T.: 17.781 min  
Delta R.T.: 0.012 min  
Response: 13210762  
Conc: 91.04 ug/ml





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

R.T.: 17.999 min

Delta R.T.: 0.027 min

Response: 13643793

Conc: 98.16 ug/ml

Instrument :

FID\_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048945.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 08:47  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.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                       | 4.183       | 4.120        | 4.307      | BB       | 1736777        | 14992132     | 95.43%         | 4.938%        |
| 2                       | 5.701       | 5.634        | 5.900      | BB       | 1636672        | 15621502     | 99.44%         | 5.145%        |
| 3                       | 6.749       | 6.709        | 6.884      | VV       | 1523243        | 15294014     | 97.36%         | 5.037%        |
| 4                       | 7.361       | 7.302        | 7.495      | BB       | 1420699        | 13922522     | 88.63%         | 4.586%        |
| 5                       | 8.016       | 7.960        | 8.155      | BB       | 1519038        | 15709296     | 100.00%        | 5.174%        |
| 6                       | 8.212       | 8.155        | 8.279      | BV       | 899991         | 9285844      | 59.11%         | 3.058%        |
| 7                       | 8.312       | 8.279        | 8.434      | VB       | 1470056        | 15425654     | 98.19%         | 5.081%        |
| 8                       | 9.090       | 9.055        | 9.279      | BV       | 1431998        | 15561239     | 99.06%         | 5.125%        |
| 9                       | 10.478      | 10.389       | 10.517     | BV       | 1370701        | 15143368     | 96.40%         | 4.988%        |
| 10                      | 10.554      | 10.517       | 10.769     | VB       | 1239458        | 15070696     | 95.93%         | 4.964%        |
| 11                      | 11.248      | 11.184       | 11.347     | BB       | 1417944        | 15536261     | 98.90%         | 5.117%        |
| 12                      | 12.284      | 12.239       | 12.417     | PB       | 1209317        | 15255755     | 97.11%         | 5.025%        |
| 13                      | 12.578      | 12.519       | 12.621     | BV       | 1203145        | 15245192     | 97.05%         | 5.021%        |
| 14                      | 14.448      | 14.394       | 14.464     | BV       | 1026109        | 14536834     | 92.54%         | 4.788%        |
| 15                      | 14.493      | 14.464       | 14.672     | VV       | 1143610        | 14824620     | 94.37%         | 4.883%        |
| 16                      | 15.998      | 15.930       | 16.012     | BV       | 924869         | 14473755     | 92.13%         | 4.767%        |
| 17                      | 16.036      | 16.012       | 16.170     | VB       | 1127650        | 14526725     | 92.47%         | 4.785%        |
| 18                      | 16.376      | 16.312       | 16.465     | BV       | 933031         | 13621709     | 86.71%         | 4.486%        |
| 19                      | 17.744      | 17.690       | 17.755     | BV       | 825909         | 12714636     | 80.94%         | 4.188%        |
| 20                      | 17.781      | 17.755       | 17.945     | VV       | 862836         | 13210762     | 84.10%         | 4.351%        |
| 21                      | 17.999      | 17.945       | 18.180     | VV       | 783684         | 13643793     | 86.85%         | 4.494%        |
| Sum of corrected areas: |             |              |            |          |                | 303616305    |                |               |

Aromatic EPH 012425.M Sat Jan 25 03:46:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
 Data File : FD048946.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 09:23  
 Operator : YP/AJ  
 Sample : 50 PPM AROMATIC HC STD2  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jan 25 03:31:19 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:28:54 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...      | 7.357  | 7023342    | 50.022 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 100.04%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.208  | 4633464    | 53.253 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 106.51%      |
| 11) S ortho-Terphenyl (SURR)       | 11.242 | 7916217    | 49.447 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 98.89%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.180  | 7560849    | 49.998 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.698  | 7833852    | 50.580 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.745  | 7715439    | 50.213 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.011  | 7975025    | 49.797 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.305  | 7895356    | 48.930 ug/ml |
| 8) T Fluorene (C16.55)             | 9.083  | 7857497    | 50.576 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.471 | 7661334    | 50.900 ug/ml |
| 10) T Anthracene (C19.43)          | 10.546 | 7663855    | 50.614 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.275 | 7770594    | 50.686 ug/ml |
| 13) T Pyrene (C20.8)               | 12.568 | 7762923    | 51.220 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.441 | 7288947    | 54.155 ug/ml |
| 15) T Chrysene (C27.41)            | 14.482 | 7652930    | 48.415 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 15.989 | 7300281    | 52.346 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.022 | 7491870    | 48.891 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.363 | 7044465    | 51.765 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.730 | 5943659    | 59.844 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.766 | 7086685    | 48.838 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 17.982 | 6967496    | 50.130 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

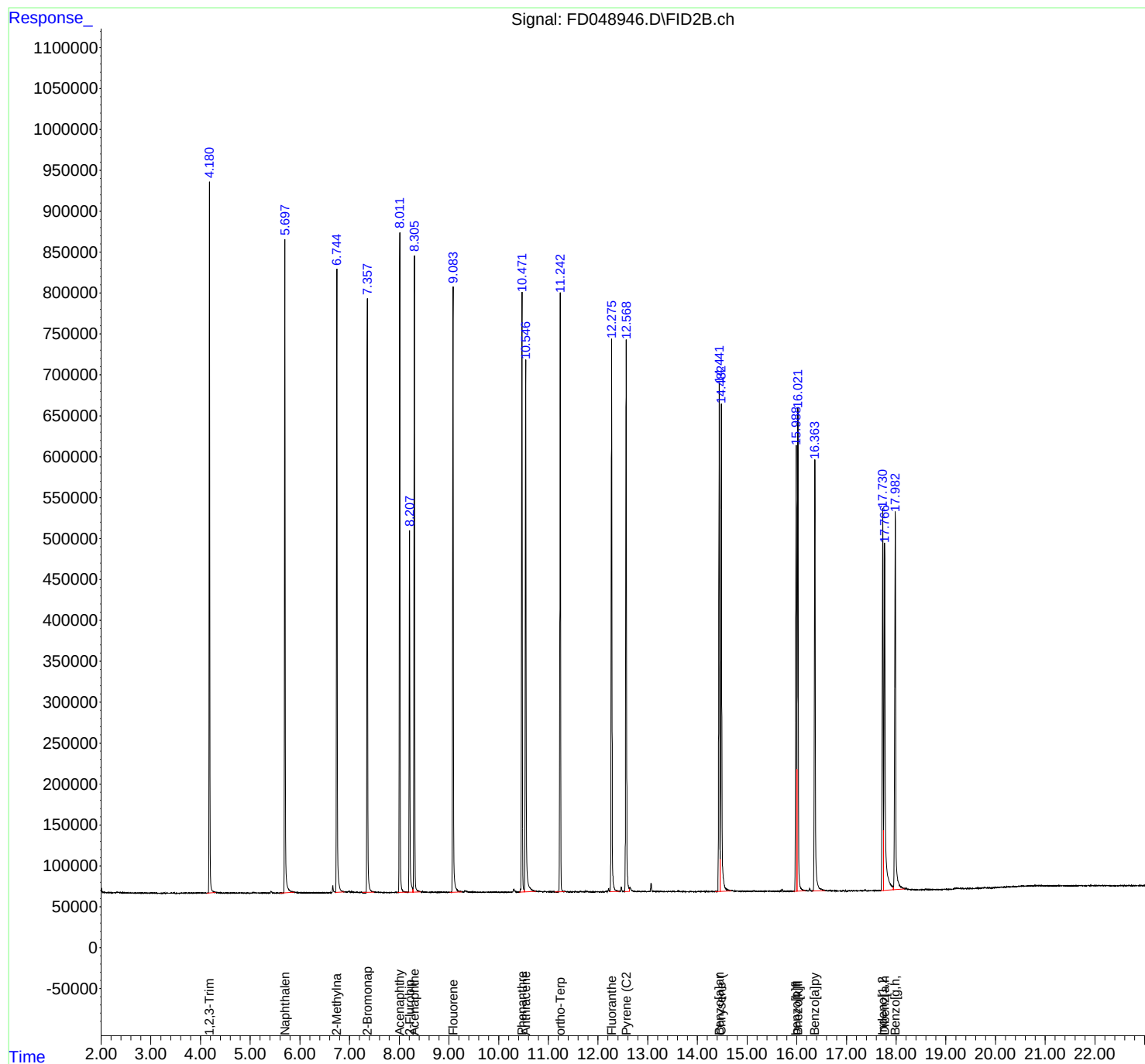
(m)=manual int.

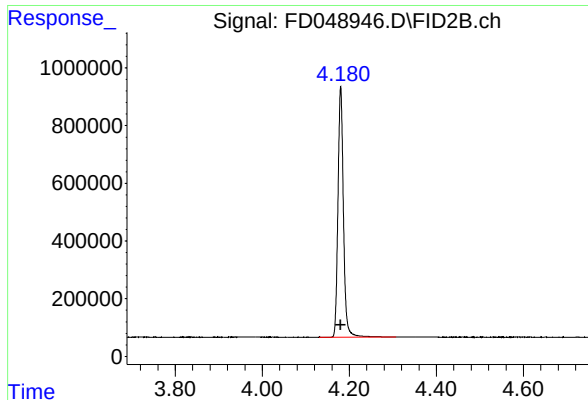
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048946.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 09:23  
Operator : YP/AJ  
Sample : 50 PPM AROMATIC HC STD2  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jan 25 03:31:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:28:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

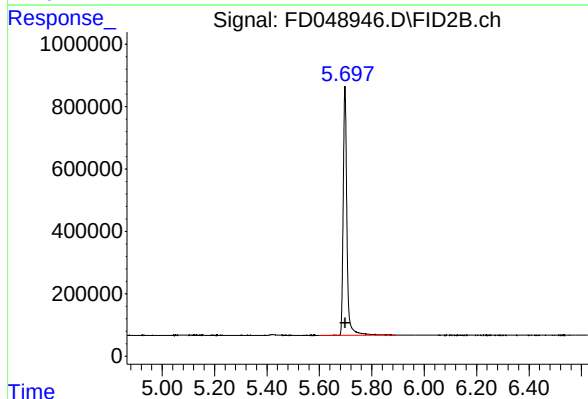




#1 1,2,3-Trimethylbenzene (C10.1)

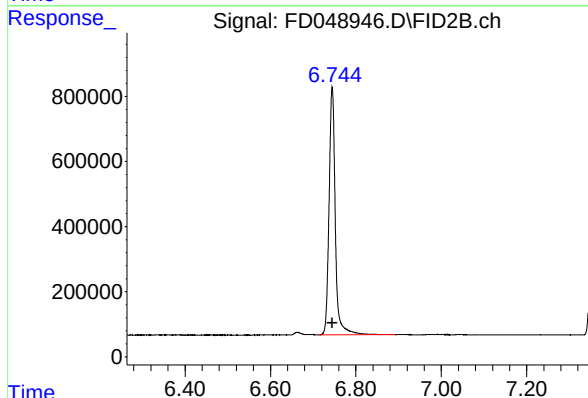
R.T.: 4.180 min  
Delta R.T.: 0.000 min  
Response: 7560849  
Conc: 50.00 ug/ml

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



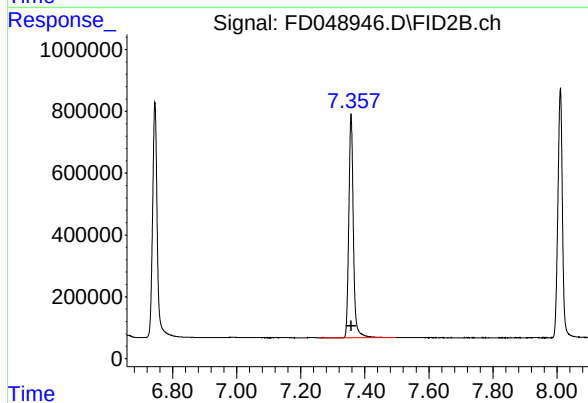
#2 Naphthalene (C11.7)

R.T.: 5.698 min  
Delta R.T.: 0.000 min  
Response: 7833852  
Conc: 50.58 ug/ml



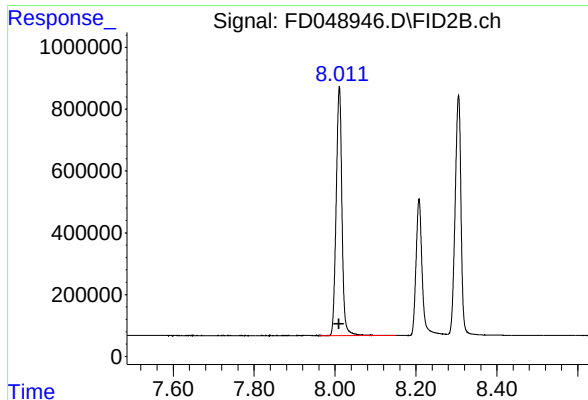
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 7715439  
Conc: 50.21 ug/ml



#4 2-Bromonaphthalene (SURR)

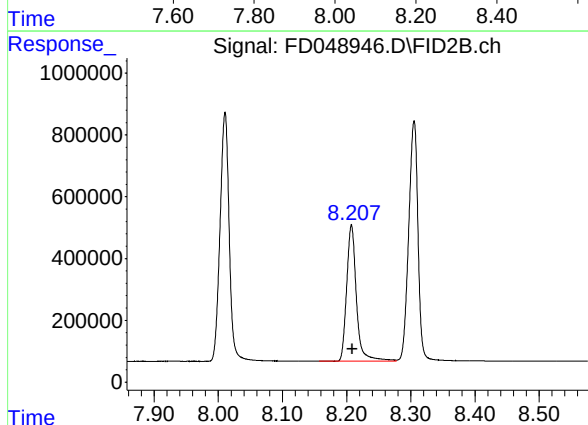
R.T.: 7.357 min  
Delta R.T.: 0.000 min  
Response: 7023342  
Conc: 50.02 ug/ml



#5 Acenaphthylene (C15.06)

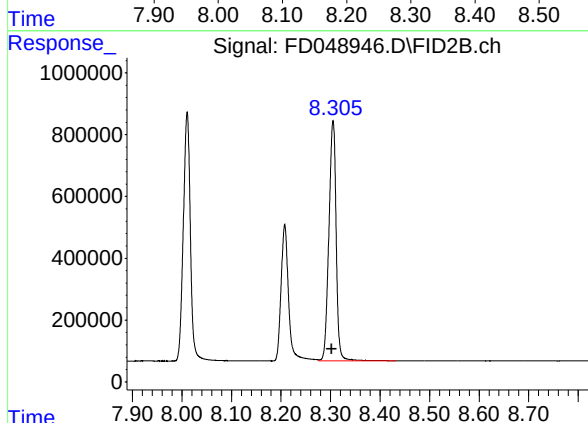
R.T.: 8.011 min  
Delta R.T.: 0.001 min  
Response: 7975025  
Conc: 49.80 ug/ml

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



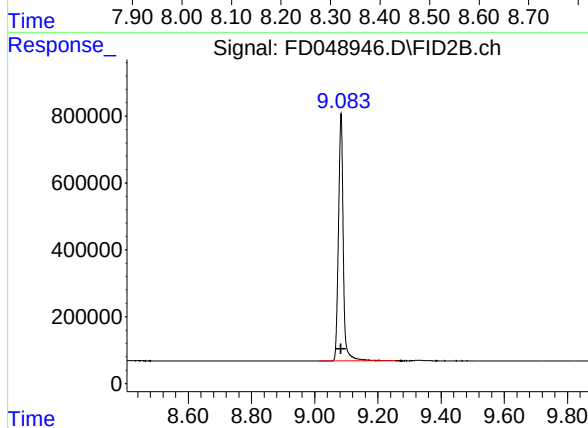
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min  
Delta R.T.: -0.002 min  
Response: 4633464  
Conc: 53.25 ug/ml



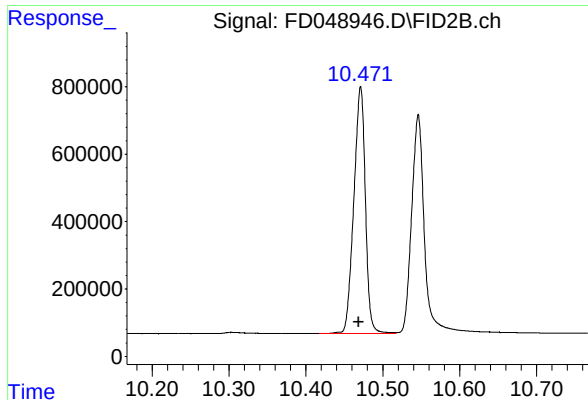
#7 Acenaphthene (C15.5)

R.T.: 8.305 min  
Delta R.T.: 0.003 min  
Response: 7895356  
Conc: 48.93 ug/ml



#8 Flouorene (C16.55)

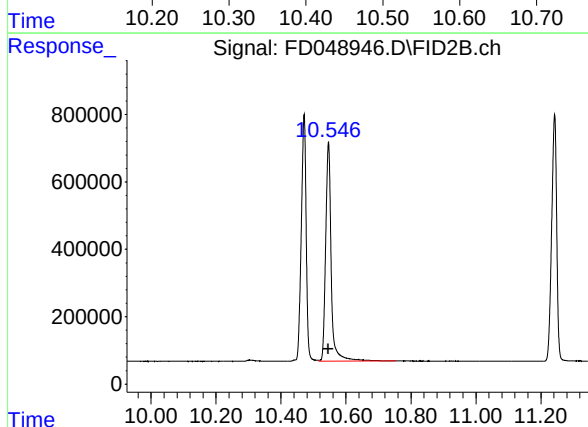
R.T.: 9.083 min  
Delta R.T.: 0.000 min  
Response: 7857497  
Conc: 50.58 ug/ml



#9 Phenanthrene (C19.36)

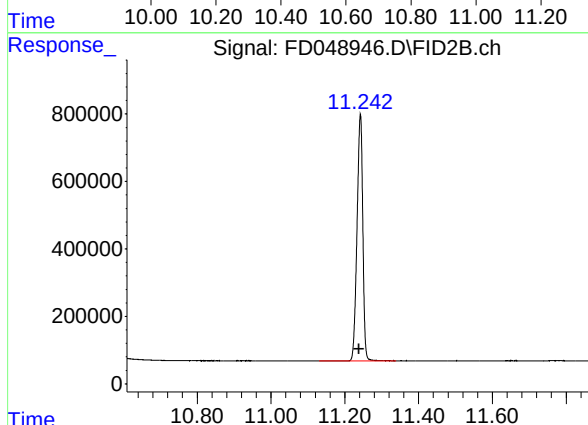
R.T.: 10.471 min  
Delta R.T.: 0.003 min  
Response: 7661334  
Conc: 50.90 ug/ml

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



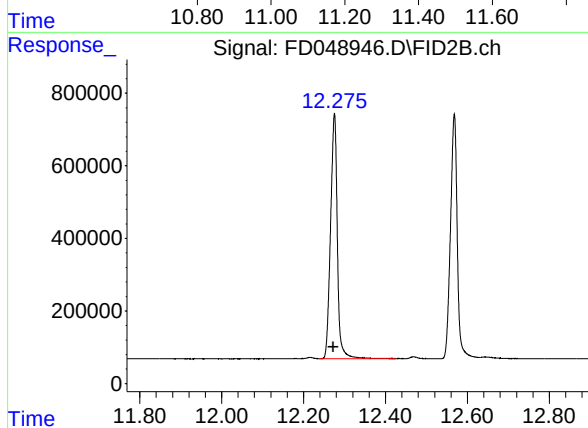
#10 Anthracene (C19.43)

R.T.: 10.546 min  
Delta R.T.: 0.000 min  
Response: 7663855  
Conc: 50.61 ug/ml



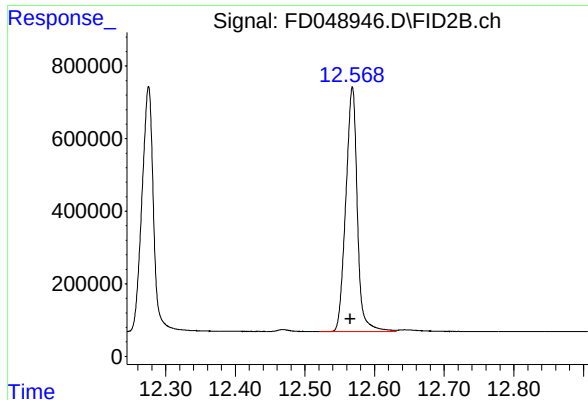
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min  
Delta R.T.: 0.003 min  
Response: 7916217  
Conc: 49.45 ug/ml



#12 Fluoranthene (C21.85)

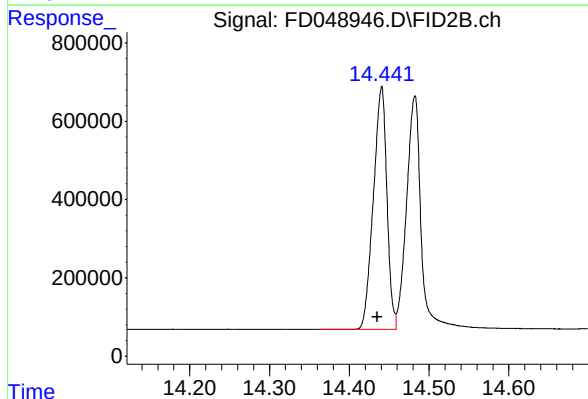
R.T.: 12.275 min  
Delta R.T.: 0.002 min  
Response: 7770594  
Conc: 50.69 ug/ml



#13 Pyrene (C20.8)

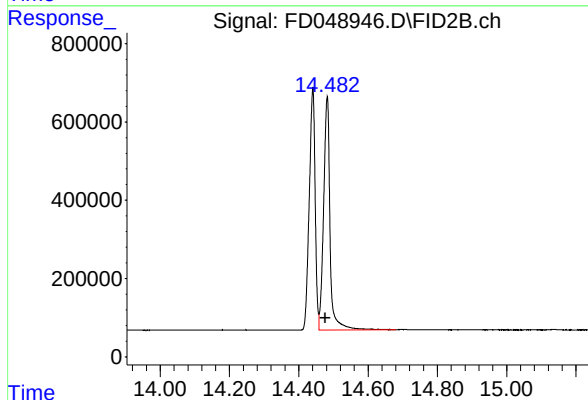
R.T.: 12.568 min  
Delta R.T.: 0.003 min  
Response: 7762923  
Conc: 51.22 ug/ml

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



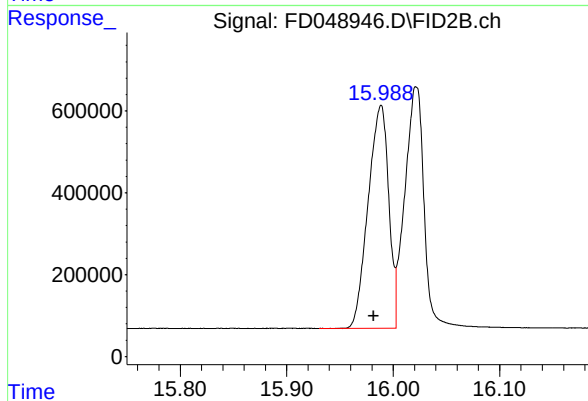
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min  
Delta R.T.: 0.006 min  
Response: 7288947  
Conc: 54.16 ug/ml



#15 Chrysene (C27.41)

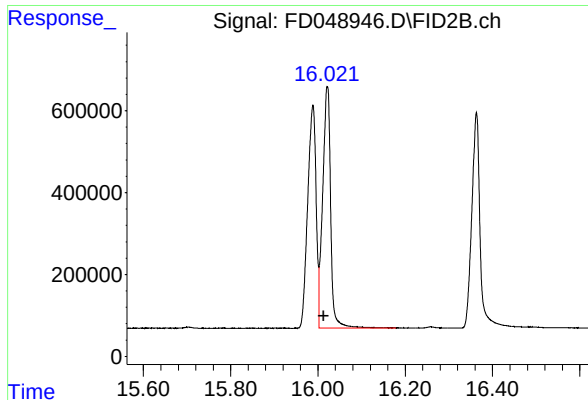
R.T.: 14.482 min  
Delta R.T.: 0.006 min  
Response: 7652930  
Conc: 48.41 ug/ml



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

R.T.: 15.989 min  
Delta R.T.: 0.007 min  
Response: 7300281  
Conc: 52.35 ug/ml

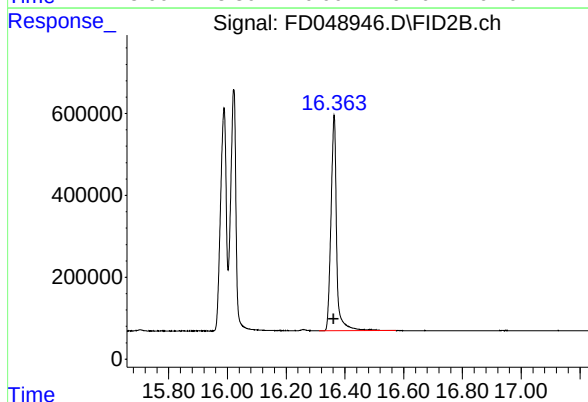




#17 Bnezo[k]fluoranthene (C30.14)

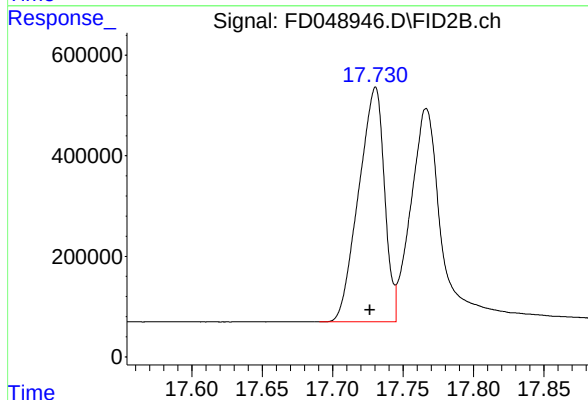
R.T.: 16.022 min  
Delta R.T.: 0.009 min  
Response: 7491870  
Conc: 48.89 ug/ml

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



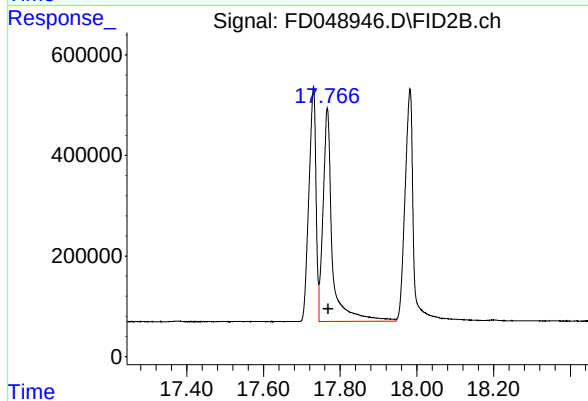
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.363 min  
Delta R.T.: 0.002 min  
Response: 7044465  
Conc: 51.76 ug/ml



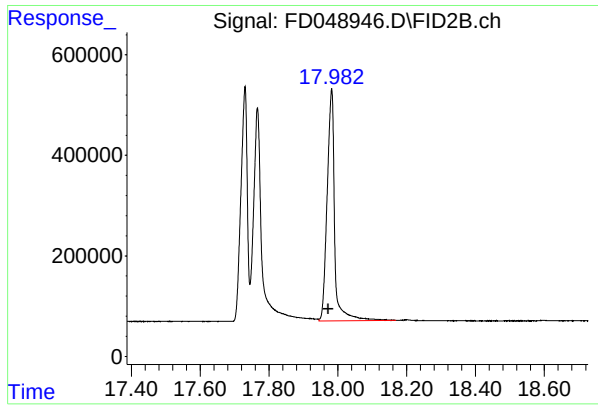
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min  
Delta R.T.: 0.004 min  
Response: 5943659  
Conc: 59.84 ug/ml



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

R.T.: 17.766 min  
Delta R.T.: -0.003 min  
Response: 7086685  
Conc: 48.84 ug/ml



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

R.T.: 17.982 min

Delta R.T.: 0.010 min

Response: 6967496

Conc: 50.13 ug/ml

Instrument :

FID\_D

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048946.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 09:23  
Sample : 50 PPM AROMATIC HC STD2  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.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                       | 4.180       | 4.130        | 4.307      | BB       | 868449         | 7560849      | 94.81%         | 4.908%        |
| 2                       | 5.698       | 5.599        | 5.892      | BB       | 798478         | 7833852      | 98.23%         | 5.085%        |
| 3                       | 6.745       | 6.714        | 6.894      | VV       | 762428         | 7715439      | 96.75%         | 5.009%        |
| 4                       | 7.357       | 7.257        | 7.497      | PB       | 724369         | 7023342      | 88.07%         | 4.559%        |
| 5                       | 8.011       | 7.960        | 8.150      | BB       | 805518         | 7975025      | 100.00%        | 5.177%        |
| 6                       | 8.208       | 8.157        | 8.277      | BV       | 440660         | 4633464      | 58.10%         | 3.008%        |
| 7                       | 8.305       | 8.277        | 8.432      | VB       | 777977         | 7895356      | 99.00%         | 5.125%        |
| 8                       | 9.083       | 9.014        | 9.257      | BB       | 740035         | 7857497      | 98.53%         | 5.101%        |
| 9                       | 10.471      | 10.417       | 10.517     | BV       | 733078         | 7661334      | 96.07%         | 4.973%        |
| 10                      | 10.546      | 10.517       | 10.754     | VB       | 649439         | 7663855      | 96.10%         | 4.975%        |
| 11                      | 11.242      | 11.130       | 11.339     | BB       | 731852         | 7916217      | 99.26%         | 5.139%        |
| 12                      | 12.275      | 12.238       | 12.425     | VB       | 675814         | 7770594      | 97.44%         | 5.044%        |
| 13                      | 12.568      | 12.520       | 12.631     | BV       | 675194         | 7762923      | 97.34%         | 5.039%        |
| 14                      | 14.441      | 14.362       | 14.458     | BV       | 618813         | 7288947      | 91.40%         | 4.732%        |
| 15                      | 14.482      | 14.458       | 14.680     | VV       | 595519         | 7652930      | 95.96%         | 4.968%        |
| 16                      | 15.989      | 15.930       | 16.003     | BV       | 545666         | 7300281      | 91.54%         | 4.739%        |
| 17                      | 16.022      | 16.003       | 16.179     | VB       | 589707         | 7491870      | 93.94%         | 4.863%        |
| 18                      | 16.363      | 16.312       | 16.574     | BB       | 526307         | 7044465      | 88.33%         | 4.573%        |
| 19                      | 17.730      | 17.690       | 17.745     | BV       | 467658         | 5943659      | 74.53%         | 3.858%        |
| 20                      | 17.766      | 17.745       | 17.945     | VV       | 424602         | 7086685      | 88.86%         | 4.600%        |
| 21                      | 17.982      | 17.945       | 18.169     | VV       | 461651         | 6967496      | 87.37%         | 4.523%        |
| Sum of corrected areas: |             |              |            |          |                | 154046082    |                |               |

Aromatic EPH 012425.M Sat Jan 25 03:47:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
 Data File : FD048947.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 09:58  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD3  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jan 25 03:29:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:28:54 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...      | 7.358  | 2808122    | 20.000 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.00%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.209  | 1740176    | 20.000 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.00%       |
| 11) S ortho-Terphenyl (SURR)       | 11.239 | 3201898    | 20.000 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.00%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.180  | 3024439    | 20.000 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.699  | 3097612    | 20.000 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.745  | 3073064    | 20.000 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.009  | 3202988    | 20.000 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.302  | 3227226    | 20.000 ug/ml |
| 8) T Fluorene (C16.55)             | 9.083  | 3107231    | 20.000 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.469 | 3010366    | 20.000 ug/ml |
| 10) T Anthracene (C19.43)          | 10.546 | 3028354    | 20.000 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.273 | 3066144    | 20.000 ug/ml |
| 13) T Pyrene (C20.8)               | 12.565 | 3031227    | 20.000 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.435 | 2691882    | 20.000 ug/ml |
| 15) T Chrysene (C27.41)            | 14.476 | 3161412    | 20.000 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 15.982 | 2789216    | 20.000 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.013 | 3064740    | 20.000 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.362 | 2721730    | 20.000 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.727 | 1986390    | 20.000 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.769 | 2902119    | 20.000 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 17.972 | 2779778    | 20.000 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

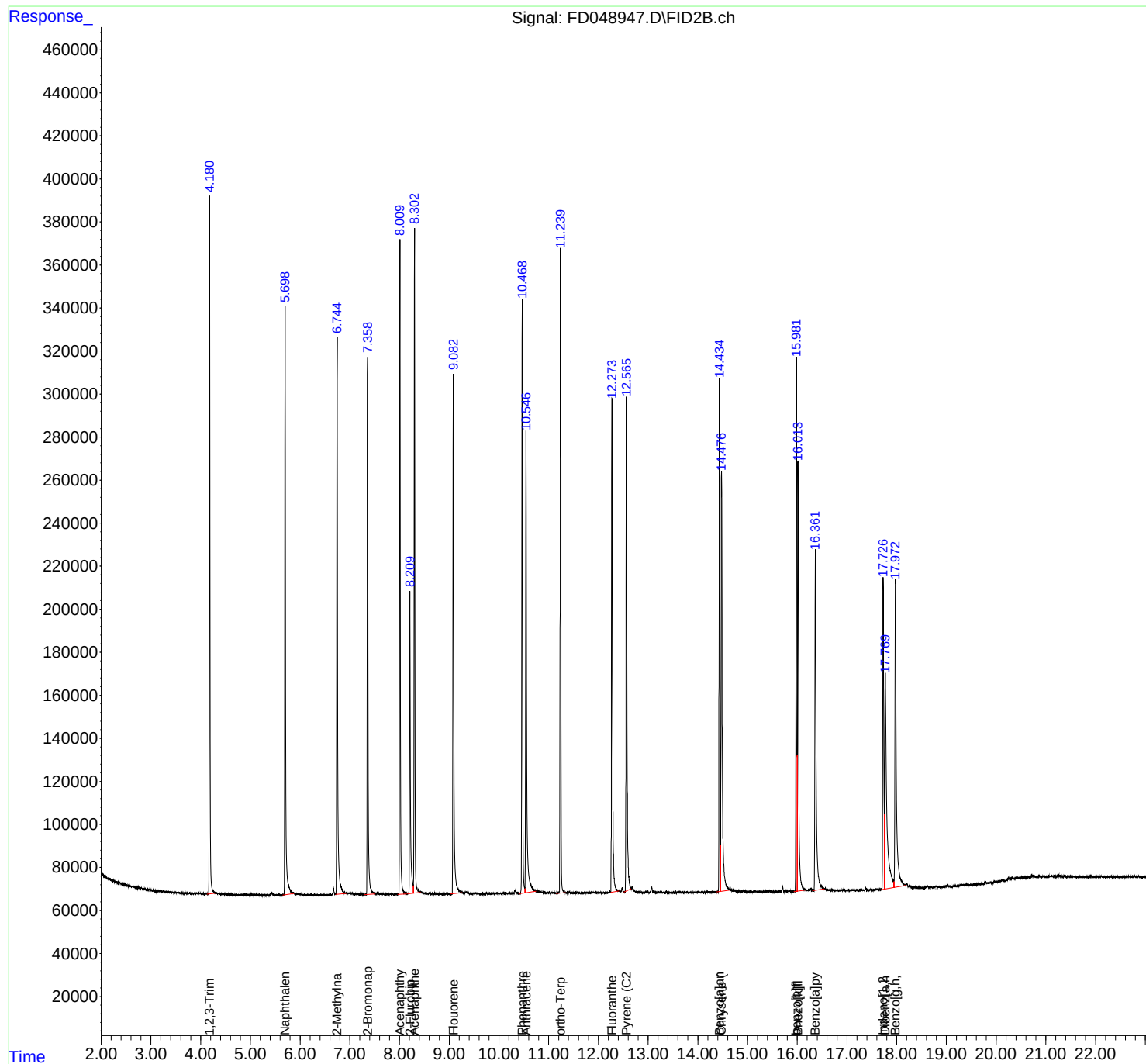
(m)=manual int.

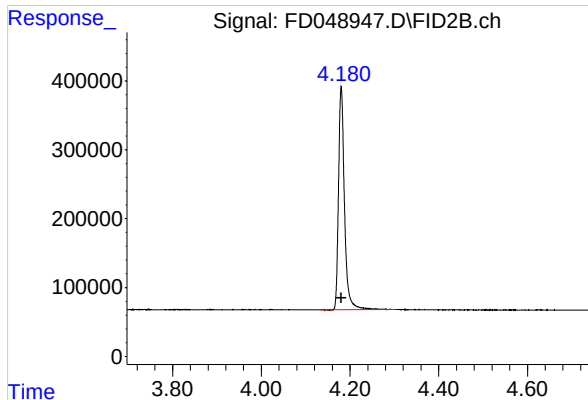
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048947.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 09:58  
Operator : YP/AJ  
Sample : 20 PPM AROMATIC HC STD3  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jan 25 03:29:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:28:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

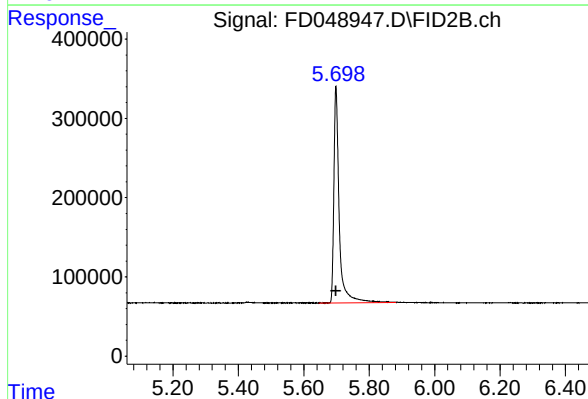




#1 1,2,3-Trimethylbenzene (C10.1)

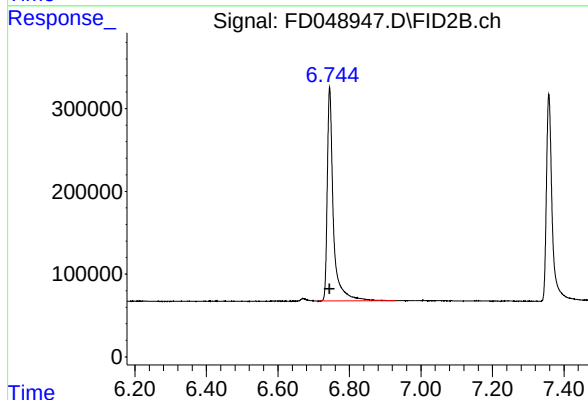
R.T.: 4.180 min  
Delta R.T.: 0.000 min  
Response: 3024439  
Conc: 20.00 ug/ml

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



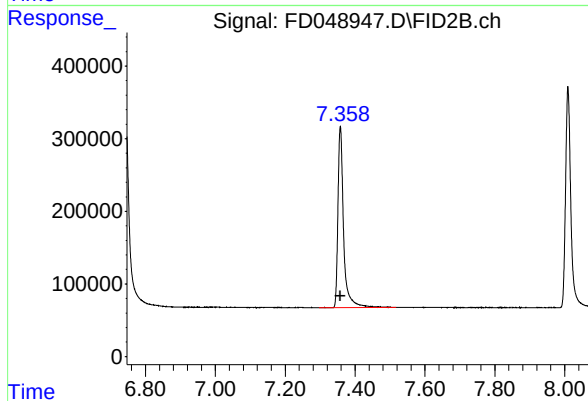
#2 Naphthalene (C11.7)

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 3097612  
Conc: 20.00 ug/ml



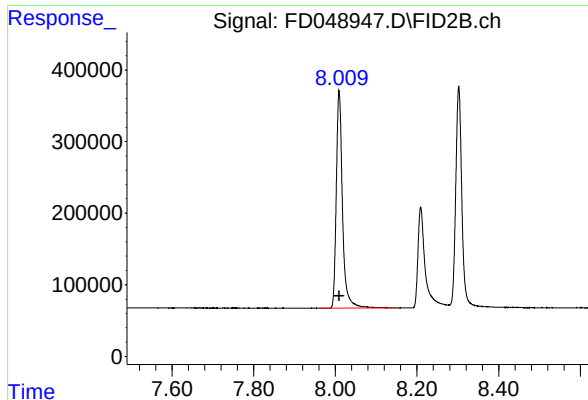
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 3073064  
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

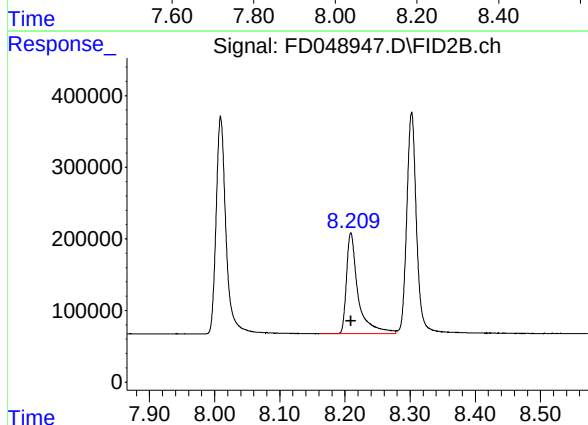
R.T.: 7.358 min  
Delta R.T.: 0.000 min  
Response: 2808122  
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

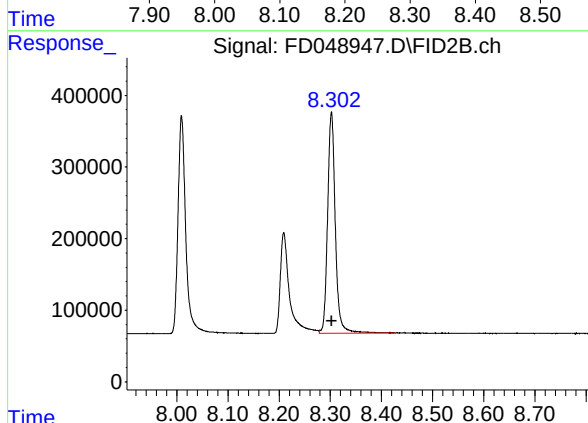
R.T.: 8.009 min  
Delta R.T.: 0.000 min  
Response: 3202988  
Conc: 20.00 ug/ml

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



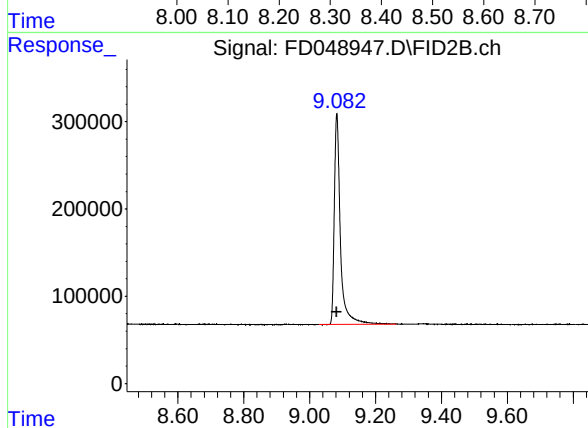
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min  
Delta R.T.: 0.000 min  
Response: 1740176  
Conc: 20.00 ug/ml



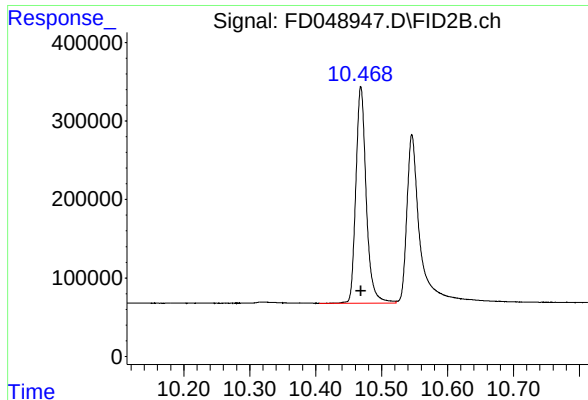
#7 Acenaphthene (C15.5)

R.T.: 8.302 min  
Delta R.T.: 0.000 min  
Response: 3227226  
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

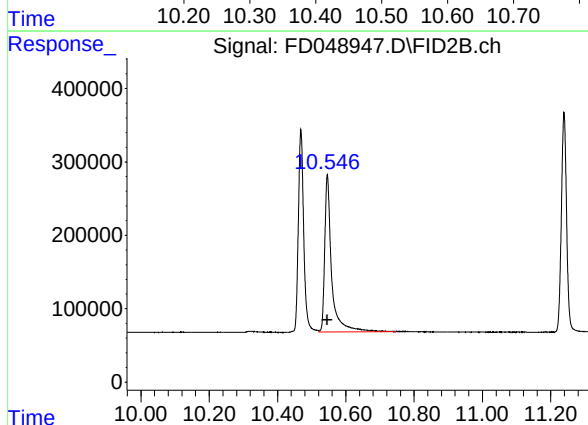
R.T.: 9.083 min  
Delta R.T.: 0.000 min  
Response: 3107231  
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

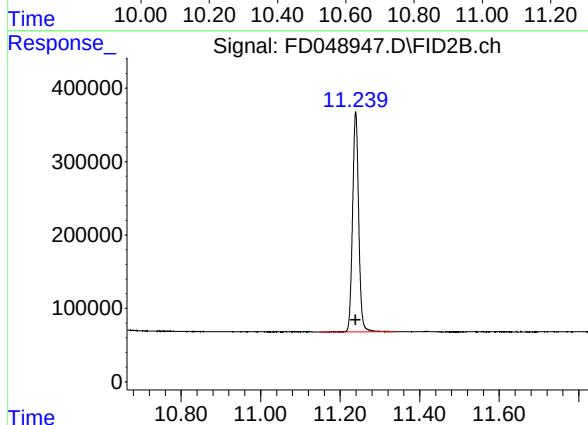
R.T.: 10.469 min  
Delta R.T.: 0.000 min  
Response: 3010366  
Conc: 20.00 ug/ml

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



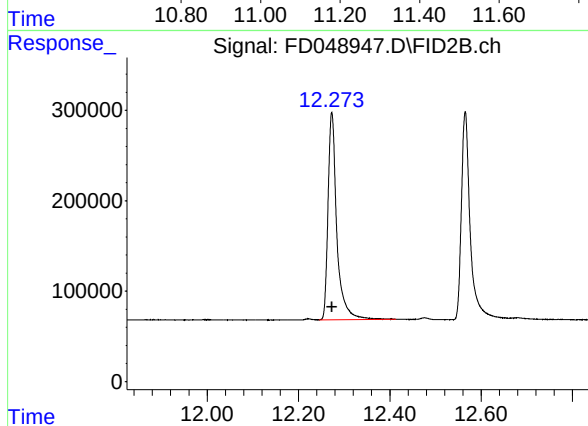
#10 Anthracene (C19.43)

R.T.: 10.546 min  
Delta R.T.: 0.000 min  
Response: 3028354  
Conc: 20.00 ug/ml



#11 ortho-Terphenyl (SURR)

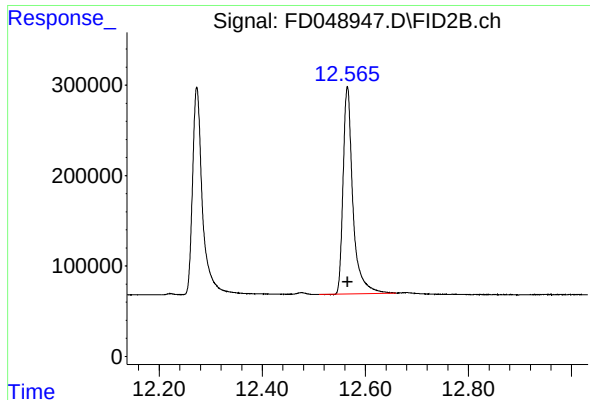
R.T.: 11.239 min  
Delta R.T.: 0.000 min  
Response: 3201898  
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.273 min  
Delta R.T.: 0.000 min  
Response: 3066144  
Conc: 20.00 ug/ml

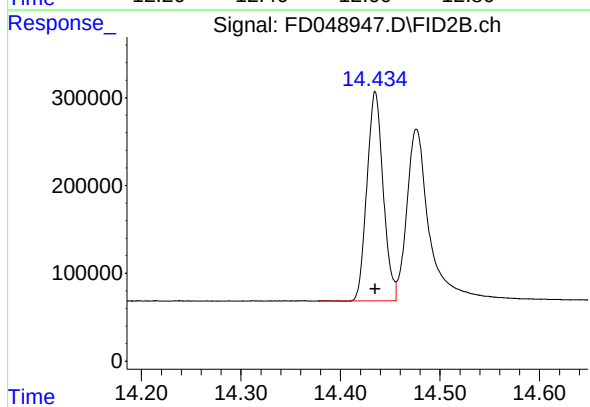




#13 Pyrene (C20.8)

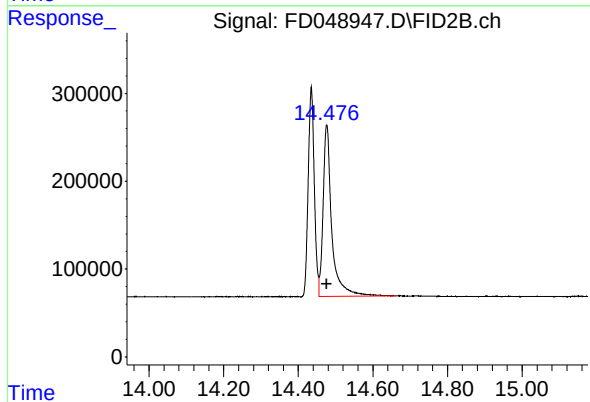
R.T.: 12.565 min  
Delta R.T.: 0.000 min  
Response: 3031227  
Conc: 20.00 ug/ml

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



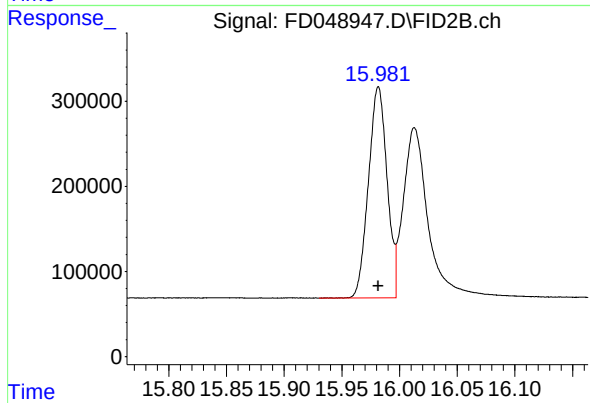
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.435 min  
Delta R.T.: 0.000 min  
Response: 2691882  
Conc: 20.00 ug/ml



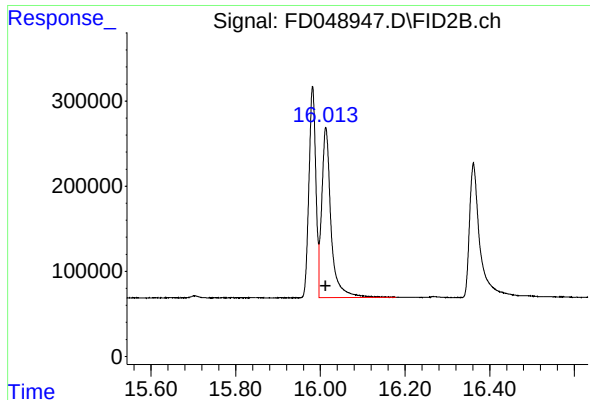
#15 Chrysene (C27.41)

R.T.: 14.476 min  
Delta R.T.: 0.000 min  
Response: 3161412  
Conc: 20.00 ug/ml



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

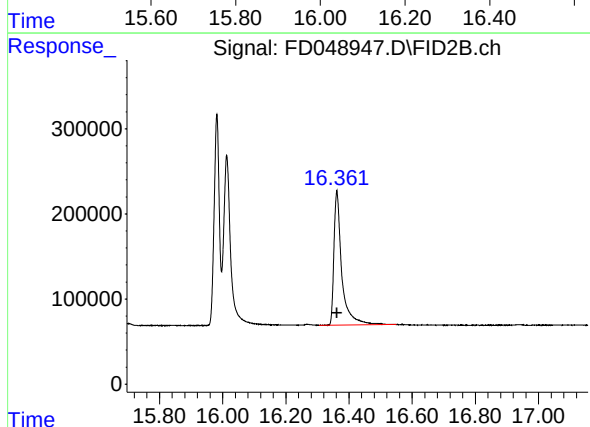
R.T.: 15.982 min  
Delta R.T.: 0.000 min  
Response: 2789216  
Conc: 20.00 ug/ml



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

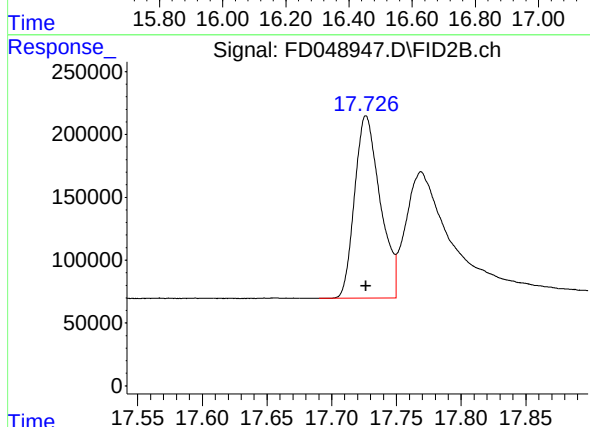
R.T.: 16.013 min  
Delta R.T.: 0.000 min  
Response: 3064740  
Conc: 20.00 ug/ml

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



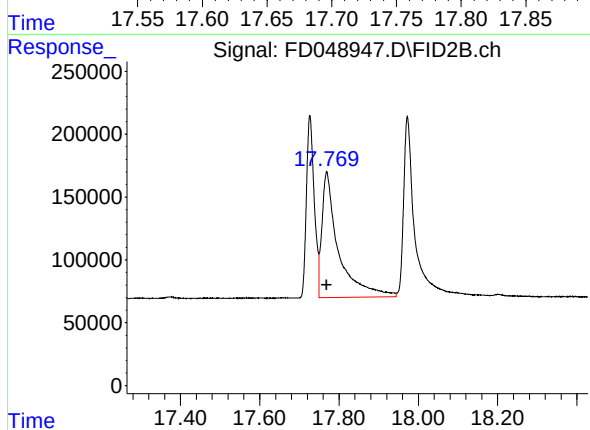
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min  
Delta R.T.: 0.000 min  
Response: 2721730  
Conc: 20.00 ug/ml



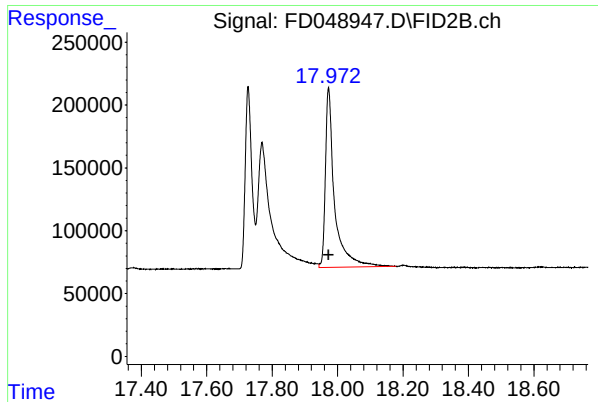
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min  
Delta R.T.: 0.000 min  
Response: 1986390  
Conc: 20.00 ug/ml



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

R.T.: 17.769 min  
Delta R.T.: 0.000 min  
Response: 2902119  
Conc: 20.00 ug/ml



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

R.T.: 17.972 min  
Delta R.T.: 0.000 min  
Response: 2779778  
Conc: 20.00 ug/ml

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

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048947.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 09:58  
Sample : 20 PPM AROMATIC HC STD3  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.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                       | 4.180       | 4.130        | 4.303      | BB       | 324018         | 3024439      | 93.72%         | 4.981%        |
| 2                       | 5.699       | 5.647        | 5.882      | BB       | 272926         | 3097612      | 95.98%         | 5.102%        |
| 3                       | 6.745       | 6.715        | 6.930      | BB       | 258229         | 3073064      | 95.22%         | 5.061%        |
| 4                       | 7.358       | 7.297        | 7.517      | BB       | 250433         | 2808122      | 87.01%         | 4.625%        |
| 5                       | 8.009       | 7.960        | 8.148      | BB       | 303813         | 3202988      | 99.25%         | 5.275%        |
| 6                       | 8.209       | 8.160        | 8.278      | BV       | 140619         | 1740176      | 53.92%         | 2.866%        |
| 7                       | 8.302       | 8.278        | 8.428      | VB       | 308524         | 3227226      | 100.00%        | 5.315%        |
| 8                       | 9.083       | 9.028        | 9.262      | BB       | 241476         | 3107231      | 96.28%         | 5.118%        |
| 9                       | 10.469      | 10.405       | 10.522     | BV       | 276143         | 3010366      | 93.28%         | 4.958%        |
| 10                      | 10.546      | 10.522       | 10.747     | VB       | 213957         | 3028354      | 93.84%         | 4.988%        |
| 11                      | 11.239      | 11.147       | 11.340     | BB       | 299992         | 3201898      | 99.22%         | 5.274%        |
| 12                      | 12.273      | 12.245       | 12.413     | BB       | 229453         | 3066144      | 95.01%         | 5.050%        |
| 13                      | 12.565      | 12.510       | 12.659     | BV       | 229677         | 3031227      | 93.93%         | 4.992%        |
| 14                      | 14.435      | 14.378       | 14.456     | BV       | 238271         | 2691882      | 83.41%         | 4.434%        |
| 15                      | 14.476      | 14.456       | 14.662     | VB       | 195270         | 3161412      | 97.96%         | 5.207%        |
| 16                      | 15.982      | 15.930       | 15.997     | BV       | 248399         | 2789216      | 86.43%         | 4.594%        |
| 17                      | 16.013      | 15.997       | 16.178     | VB       | 199815         | 3064740      | 94.97%         | 5.048%        |
| 18                      | 16.362      | 16.305       | 16.548     | BB       | 158092         | 2721730      | 84.34%         | 4.483%        |
| 19                      | 17.727      | 17.690       | 17.750     | BV       | 145010         | 1986390      | 61.55%         | 3.272%        |
| 20                      | 17.769      | 17.750       | 17.943     | VV       | 100428         | 2902119      | 89.93%         | 4.780%        |
| 21                      | 17.972      | 17.943       | 18.178     | VV       | 142970         | 2779778      | 86.14%         | 4.578%        |
| Sum of corrected areas: |             |              |            |          |                |              | 60716111       |               |

Aromatic EPH 012425.M Sat Jan 25 03:47:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
 Data File : FD048948.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 10:34  
 Operator : YP/AJ  
 Sample : 10 PPM AROMATIC HC STD4  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jan 25 03:31:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:28:54 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...      | 7.360  | 1479402    | 10.537 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 21.07%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.215  | 849450     | 9.763 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 19.53%       |
| 11) S ortho-Terphenyl (SURR)       | 11.239 | 1726263    | 10.783 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 21.57%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.182  | 1604565    | 10.611 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.702  | 1618653    | 10.451 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.748  | 1607311    | 10.461 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.011  | 1700004    | 10.615 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.302  | 1766355    | 10.947 ug/ml |
| 8) T Fluorene (C16.55)             | 9.086  | 1613538    | 10.386 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.471 | 1562014    | 10.378 ug/ml |
| 10) T Anthracene (C19.43)          | 10.550 | 1574502    | 10.398 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.278 | 1631103    | 10.639 ug/ml |
| 13) T Pyrene (C20.8)               | 12.569 | 1632105    | 10.769 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.439 | 1226846    | 9.115 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.478 | 1859136    | 11.761 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 15.984 | 1354636    | 9.713 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.016 | 1754098    | 11.447 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.371 | 1447102    | 10.634 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.739 | 938875     | 9.453 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.785 | 1549713    | 10.680 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 17.980 | 1491403    | 10.730 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

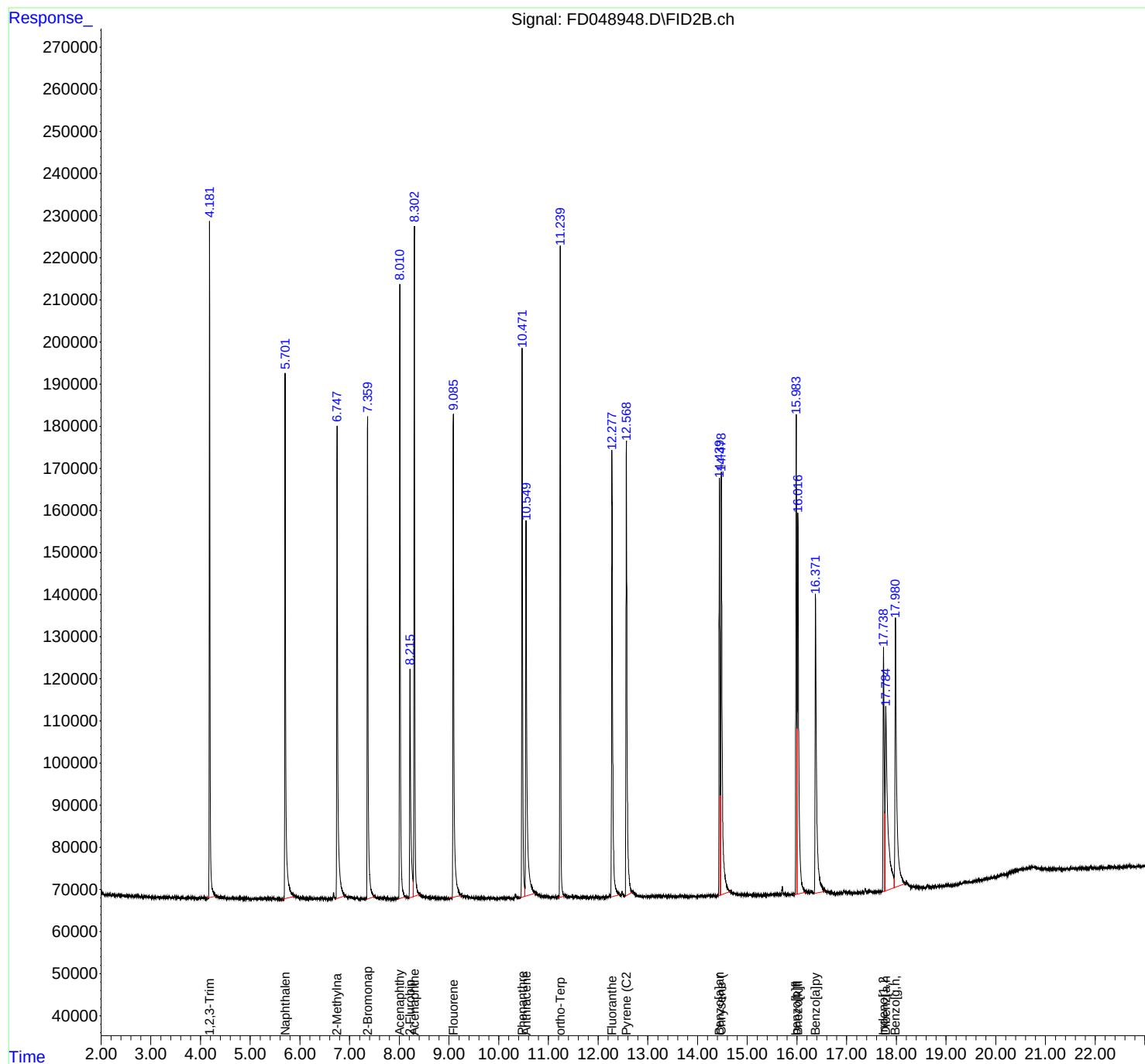
(m)=manual int.

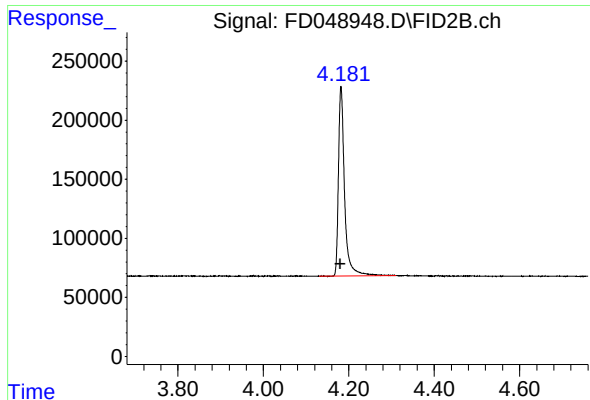
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048948.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 10:34  
Operator : YP/AJ  
Sample : 10 PPM AROMATIC HC STD4  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

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

Integration File: autoint1.e  
Quant Time: Jan 25 03:31:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:28:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

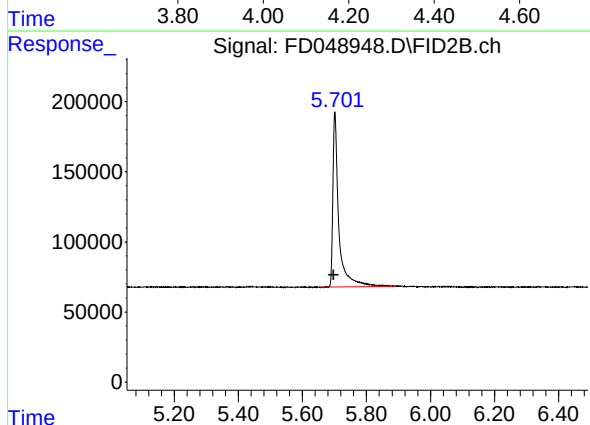




#1 1,2,3-Trimethylbenzene (C10.1)

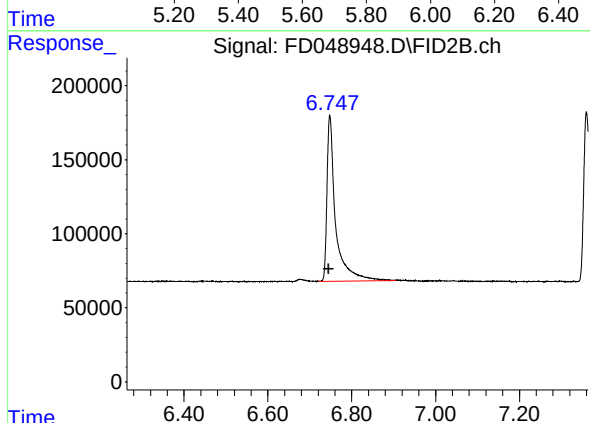
R.T.: 4.182 min  
Delta R.T.: 0.002 min  
Response: 1604565  
Conc: 10.61 ug/ml

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



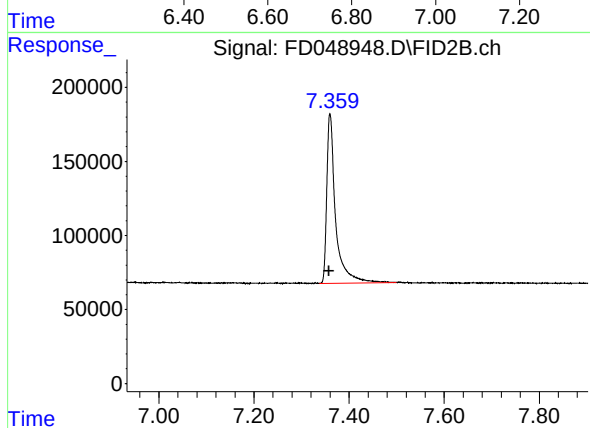
#2 Naphthalene (C11.7)

R.T.: 5.702 min  
Delta R.T.: 0.003 min  
Response: 1618653  
Conc: 10.45 ug/ml



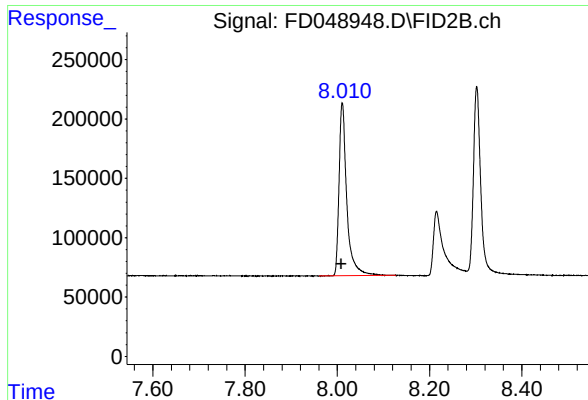
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.748 min  
Delta R.T.: 0.003 min  
Response: 1607311  
Conc: 10.46 ug/ml



#4 2-Bromonaphthalene (SURR)

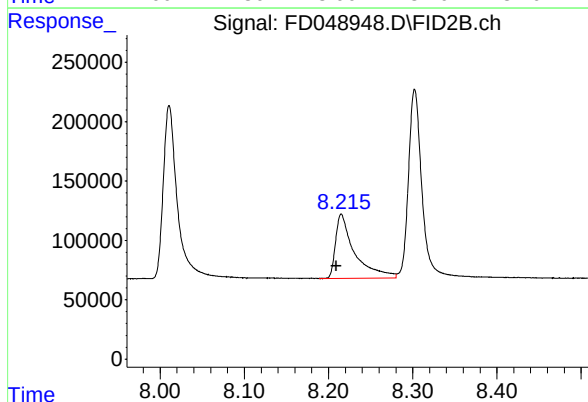
R.T.: 7.360 min  
Delta R.T.: 0.002 min  
Response: 1479402  
Conc: 10.54 ug/ml



#5 Acenaphthylene (C15.06)

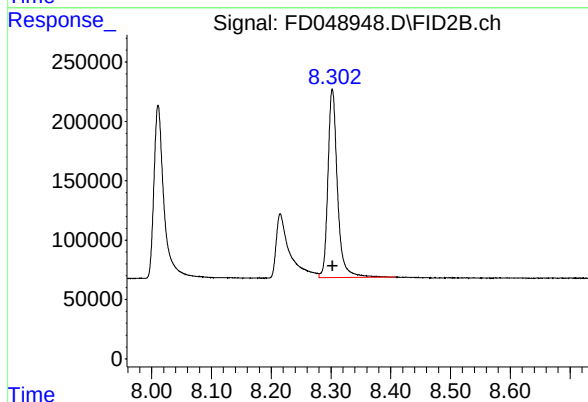
R.T.: 8.011 min  
Delta R.T.: 0.002 min  
Response: 1700004  
Conc: 10.62 ug/ml

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



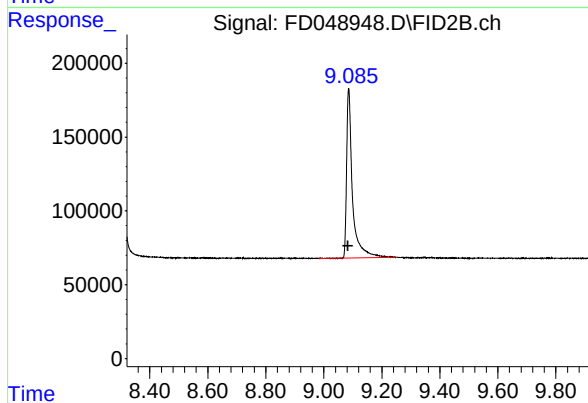
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min  
Delta R.T.: 0.006 min  
Response: 849450  
Conc: 9.76 ug/ml



#7 Acenaphthene (C15.5)

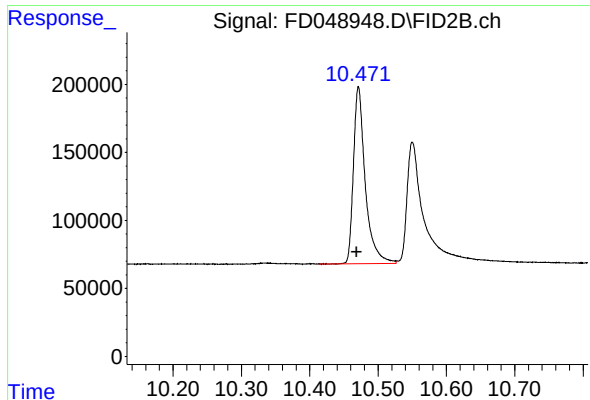
R.T.: 8.302 min  
Delta R.T.: 0.000 min  
Response: 1766355  
Conc: 10.95 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.086 min  
Delta R.T.: 0.003 min  
Response: 1613538  
Conc: 10.39 ug/ml

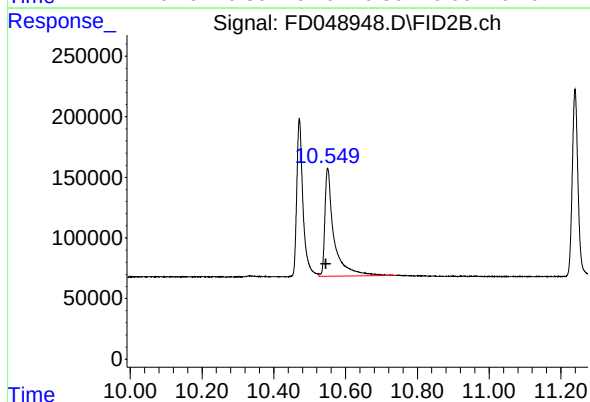




#9 Phenanthrene (C19.36)

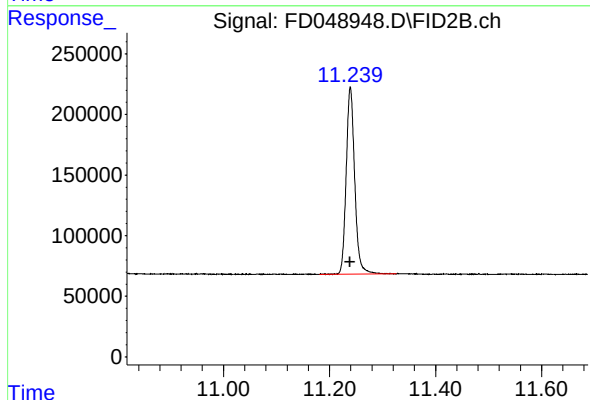
R.T.: 10.471 min  
Delta R.T.: 0.003 min  
Response: 1562014  
Conc: 10.38 ug/ml

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



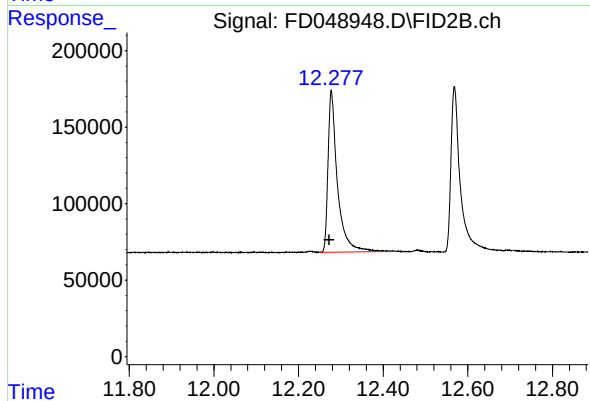
#10 Anthracene (C19.43)

R.T.: 10.550 min  
Delta R.T.: 0.004 min  
Response: 1574502  
Conc: 10.40 ug/ml



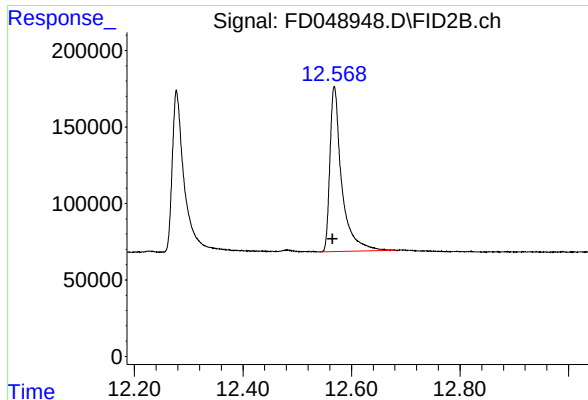
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min  
Delta R.T.: 0.000 min  
Response: 1726263  
Conc: 10.78 ug/ml



#12 Fluoranthene (C21.85)

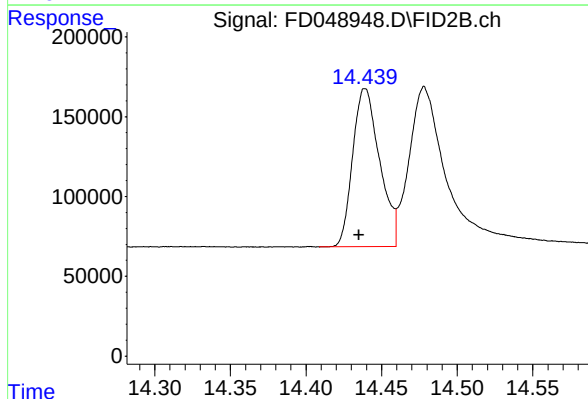
R.T.: 12.278 min  
Delta R.T.: 0.005 min  
Response: 1631103  
Conc: 10.64 ug/ml



#13 Pyrene (C20.8)

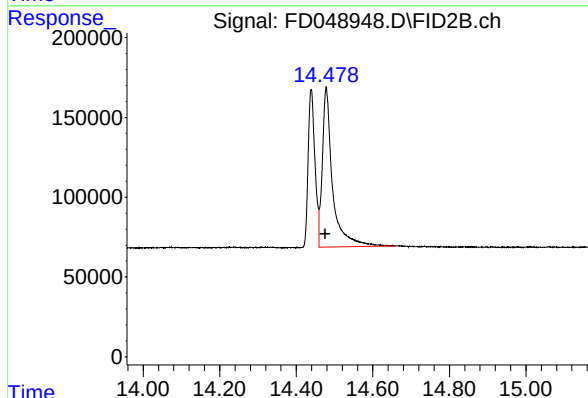
R.T.: 12.569 min  
Delta R.T.: 0.003 min  
Response: 1632105  
Conc: 10.77 ug/ml

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



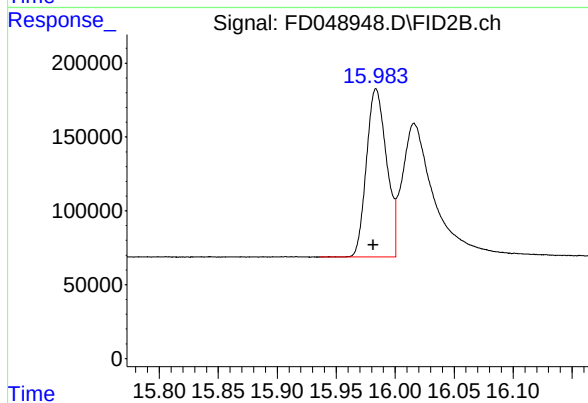
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.439 min  
Delta R.T.: 0.004 min  
Response: 1226846  
Conc: 9.12 ug/ml



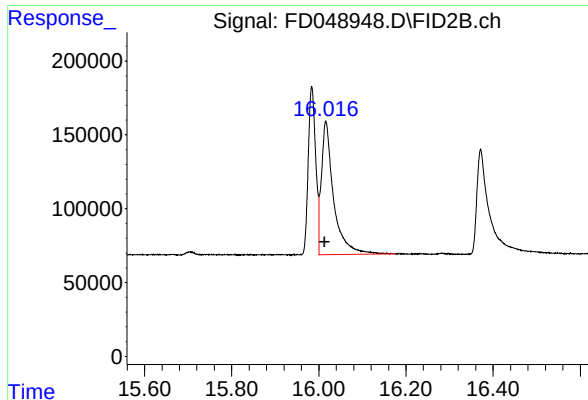
#15 Chrysene (C27.41)

R.T.: 14.478 min  
Delta R.T.: 0.002 min  
Response: 1859136  
Conc: 11.76 ug/ml



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

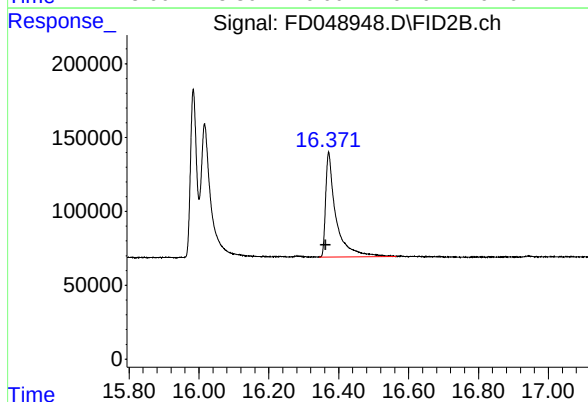
R.T.: 15.984 min  
Delta R.T.: 0.002 min  
Response: 1354636  
Conc: 9.71 ug/ml



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

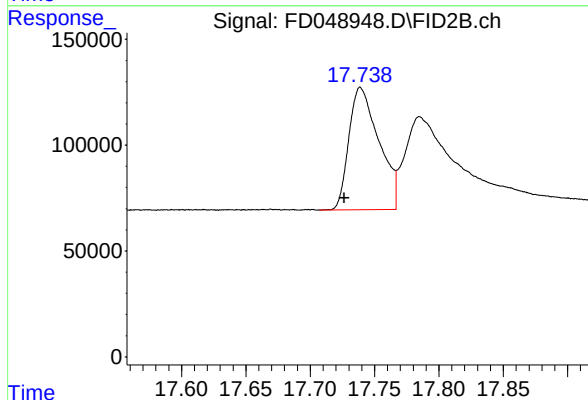
R.T.: 16.016 min  
Delta R.T.: 0.003 min  
Response: 1754098  
Conc: 11.45 ug/ml

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



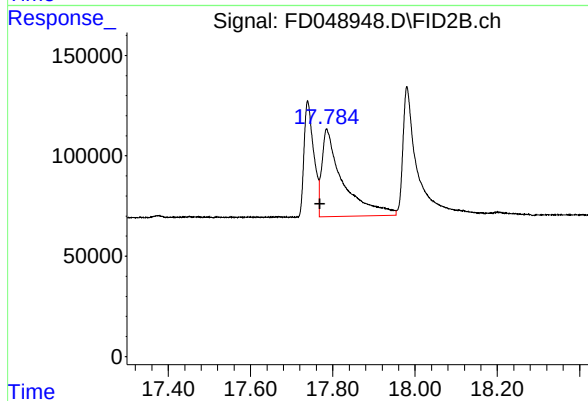
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.371 min  
Delta R.T.: 0.010 min  
Response: 1447102  
Conc: 10.63 ug/ml



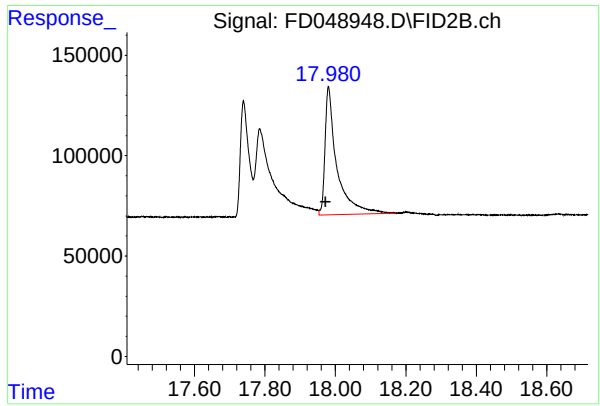
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.739 min  
Delta R.T.: 0.012 min  
Response: 938875  
Conc: 9.45 ug/ml



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

R.T.: 17.785 min  
Delta R.T.: 0.016 min  
Response: 1549713  
Conc: 10.68 ug/ml



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

R.T.: 17.980 min

Delta R.T.: 0.008 min

Response: 1491403

Conc: 10.73 ug/ml

Instrument :

FID\_D

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048948.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 10:34  
Sample : 10 PPM AROMATIC HC STD4  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.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                       | 4.182       | 4.130        | 4.310      | BB       | 160261         | 1604565      | 86.31%         | 5.016%        |
| 2                       | 5.702       | 5.652        | 5.892      | BB       | 124577         | 1618653      | 87.06%         | 5.060%        |
| 3                       | 6.748       | 6.722        | 6.905      | BB       | 111484         | 1607311      | 86.45%         | 5.025%        |
| 4                       | 7.360       | 7.337        | 7.499      | BB       | 114130         | 1479402      | 79.57%         | 4.625%        |
| 5                       | 8.011       | 7.960        | 8.127      | BB       | 145971         | 1700004      | 91.44%         | 5.315%        |
| 6                       | 8.215       | 8.189        | 8.280      | BV       | 54185          | 849450       | 45.69%         | 2.656%        |
| 7                       | 8.302       | 8.280        | 8.409      | VB       | 159016         | 1766355      | 95.01%         | 5.522%        |
| 8                       | 9.086       | 8.984        | 9.249      | BB       | 114852         | 1613538      | 86.79%         | 5.044%        |
| 9                       | 10.471      | 10.414       | 10.526     | BV       | 129870         | 1562014      | 84.02%         | 4.883%        |
| 10                      | 10.550      | 10.526       | 10.740     | VB       | 88970          | 1574502      | 84.69%         | 4.922%        |
| 11                      | 11.239      | 11.180       | 11.325     | BV       | 154484         | 1726263      | 92.85%         | 5.397%        |
| 12                      | 12.278      | 12.249       | 12.430     | BB       | 105878         | 1631103      | 87.73%         | 5.099%        |
| 13                      | 12.569      | 12.540       | 12.682     | BV       | 107859         | 1632105      | 87.79%         | 5.102%        |
| 14                      | 14.439      | 14.409       | 14.459     | BV       | 99278          | 1226846      | 65.99%         | 3.835%        |
| 15                      | 14.478      | 14.459       | 14.660     | VB       | 100202         | 1859136      | 100.00%        | 5.812%        |
| 16                      | 15.984      | 15.935       | 16.001     | BV       | 113801         | 1354636      | 72.86%         | 4.235%        |
| 17                      | 16.016      | 16.001       | 16.177     | VV       | 89932          | 1754098      | 94.35%         | 5.484%        |
| 18                      | 16.371      | 16.344       | 16.564     | BB       | 70909          | 1447102      | 77.84%         | 4.524%        |
| 19                      | 17.739      | 17.707       | 17.767     | BV       | 57877          | 938875       | 50.50%         | 2.935%        |
| 20                      | 17.785      | 17.767       | 17.954     | VV       | 43754          | 1549713      | 83.36%         | 4.845%        |
| 21                      | 17.980      | 17.954       | 18.172     | VB       | 63902          | 1491403      | 80.22%         | 4.663%        |
| Sum of corrected areas: |             |              |            |          |                |              | 31987074       |               |

Aromatic EPH 012425.M Sat Jan 25 03:47:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
 Data File : FD048949.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 11:10  
 Operator : YP/AJ  
 Sample : 5 PPM AROMATIC HC STD5  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
 Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e  
 Quant Time: Jan 25 03:32:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:28:54 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...      | 7.368  | 717868     | 5.113 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 10.23%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.233  | 339783     | 3.905 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 7.81%        |
| 11) S ortho-Terphenyl (SURR)       | 11.242 | 879266     | 5.492 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 10.98%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.184  | 789589     | 5.221 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.708  | 759669     | 4.905 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.756  | 770079     | 5.012 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.016  | 854846     | 5.338 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.305  | 948275     | 5.877 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.095  | 763400     | 4.914 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.483 | 750630     | 4.987 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.566 | 743883     | 4.913 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.291 | 810442     | 5.286 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.579 | 825951     | 5.450 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.456 | 474873     | 3.528 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.492 | 1000984    | 6.333 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 15.999 | 587465     | 4.212 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.034 | 932809     | 6.087 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 16.395 | 689943     | 5.070 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.768 | 411157     | 4.140 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.816 | 699298     | 4.819 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 17.998 | 746404     | 5.370 ug/ml  |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048949.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 11:10  
Operator : YP/AJ  
Sample : 5 PPM AROMATIC HC STD5  
Misc :  
ALS Vial : 65 Sample Multiplier: 1

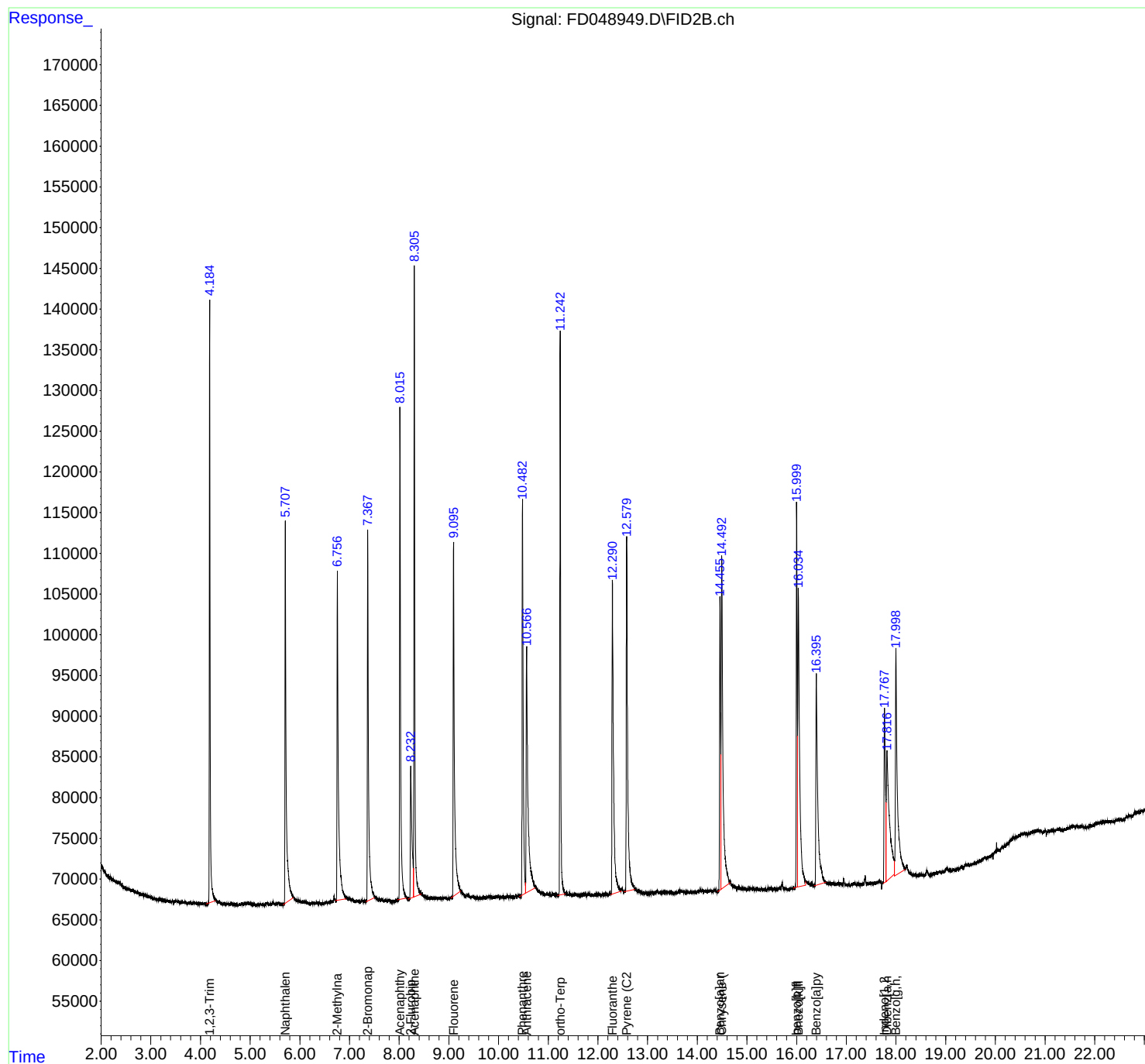
Instrument :  
FID\_D  
ClientSampleId :  
5 PPM AROMATIC HC STD5

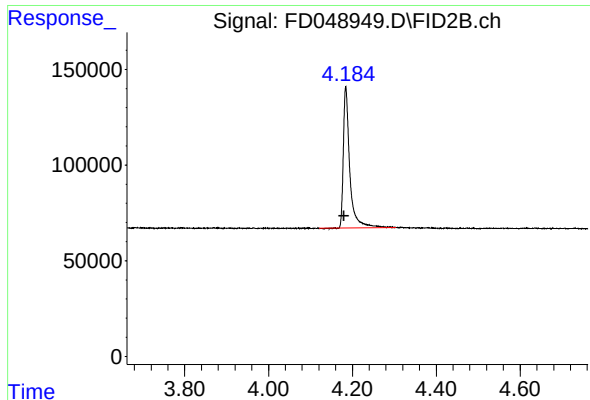
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e  
Quant Time: Jan 25 03:32:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:28:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





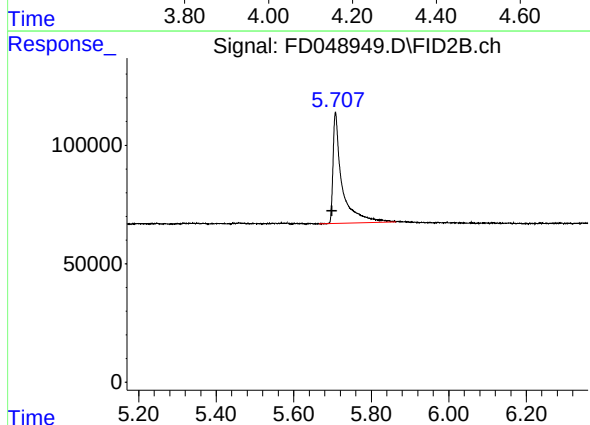
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.184 min  
Delta R.T.: 0.004 min  
Response: 789589  
Conc: 5.22 ug/ml

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

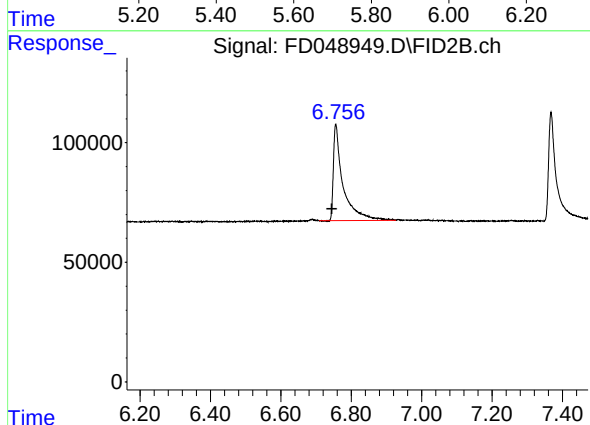
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025



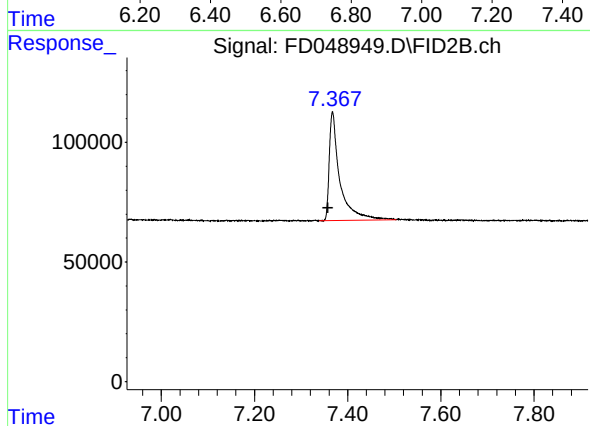
#2 Naphthalene (C11.7)

R.T.: 5.708 min  
Delta R.T.: 0.009 min  
Response: 759669  
Conc: 4.90 ug/ml



#3 2-Methylnaphthalene (C12.89)

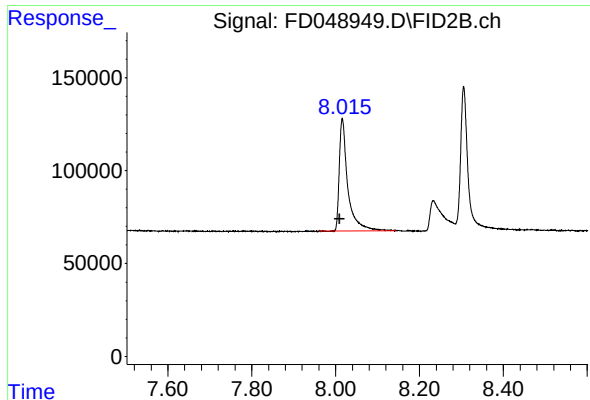
R.T.: 6.756 min  
Delta R.T.: 0.011 min  
Response: 770079  
Conc: 5.01 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min  
Delta R.T.: 0.010 min  
Response: 717868  
Conc: 5.11 ug/ml





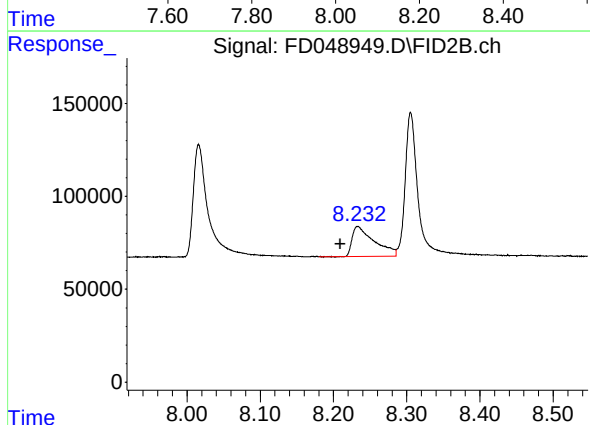
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min  
Delta R.T.: 0.007 min  
Response: 854846  
Conc: 5.34 ug/ml

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

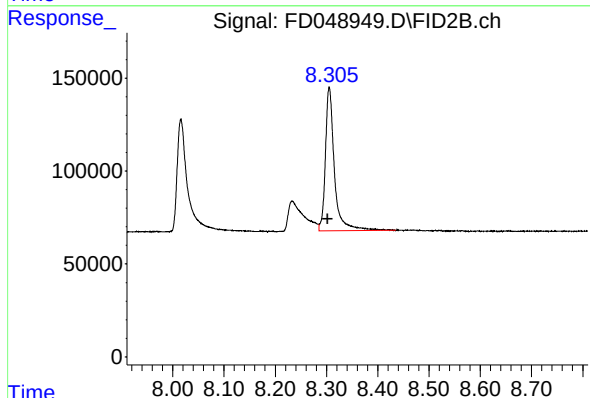
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025



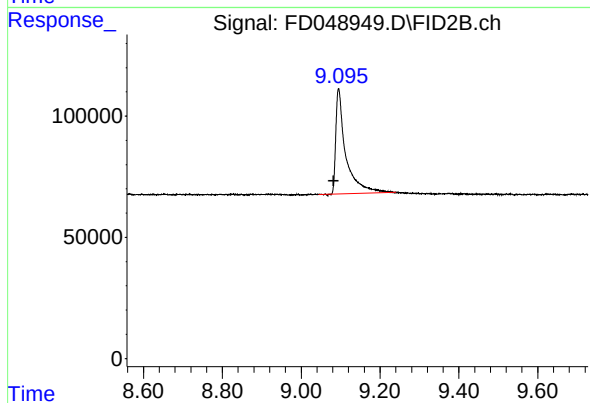
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.233 min  
Delta R.T.: 0.024 min  
Response: 339783  
Conc: 3.91 ug/ml



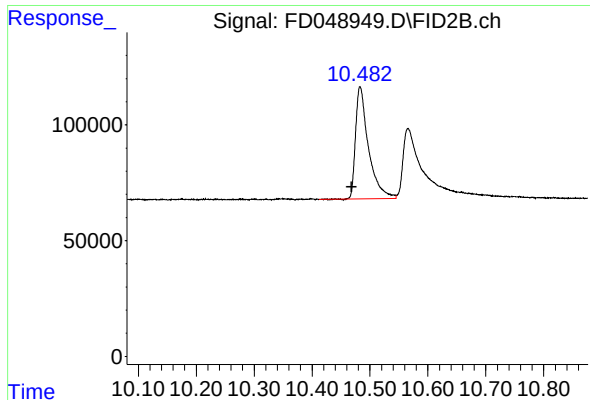
#7 Acenaphthene (C15.5)

R.T.: 8.305 min  
Delta R.T.: 0.003 min  
Response: 948275  
Conc: 5.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.095 min  
Delta R.T.: 0.012 min  
Response: 763400  
Conc: 4.91 ug/ml



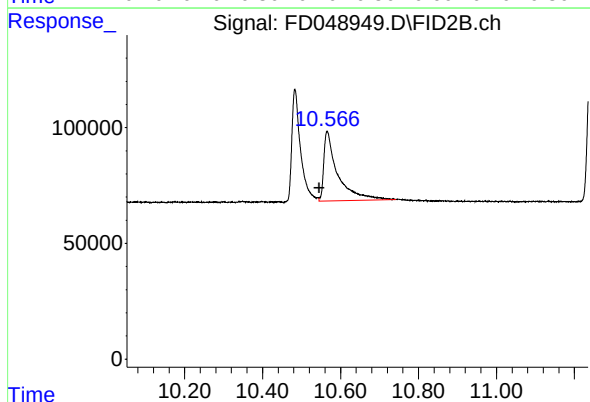
#9 Phenanthrene (C19.36)

R.T.: 10.483 min  
Delta R.T.: 0.015 min  
Response: 750630  
Conc: 4.99 ug/ml

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

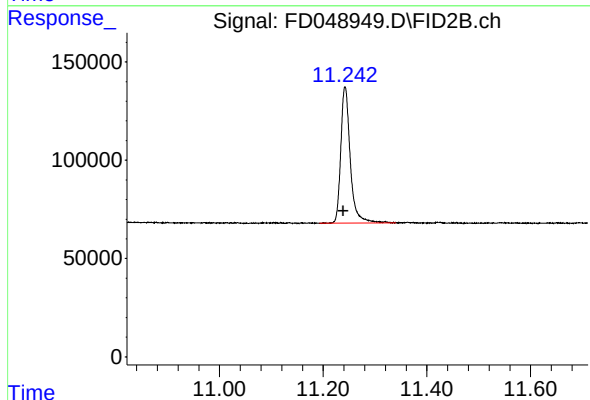
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025



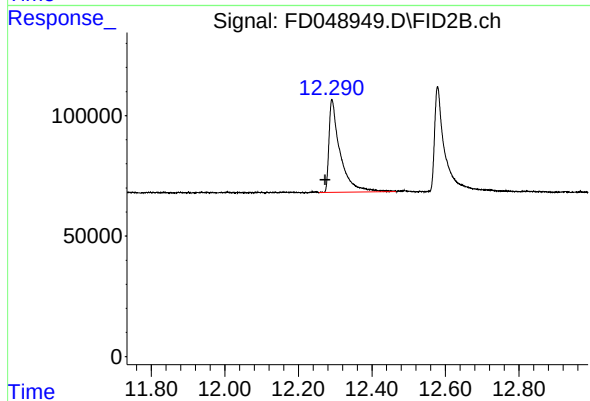
#10 Anthracene (C19.43)

R.T.: 10.566 min  
Delta R.T.: 0.020 min  
Response: 743883  
Conc: 4.91 ug/ml



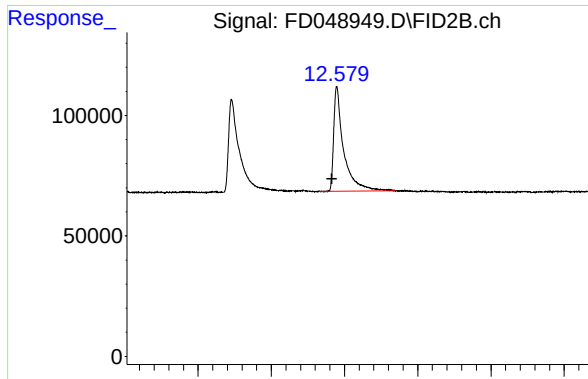
#11 ortho-Terphenyl (SURRE)

R.T.: 11.242 min  
Delta R.T.: 0.003 min  
Response: 879266  
Conc: 5.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min  
Delta R.T.: 0.018 min  
Response: 810442  
Conc: 5.29 ug/ml



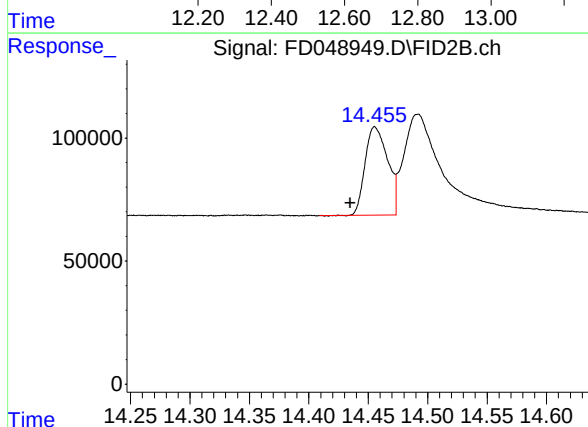
#13 Pyrene (C20.8)

R.T.: 12.579 min  
Delta R.T.: 0.014 min  
Response: 825951  
Conc: 5.45 ug/ml

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

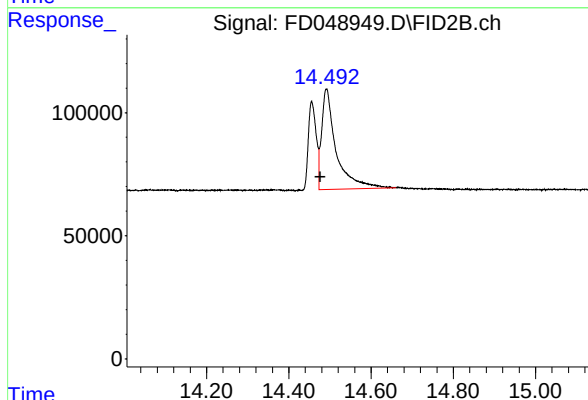
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025



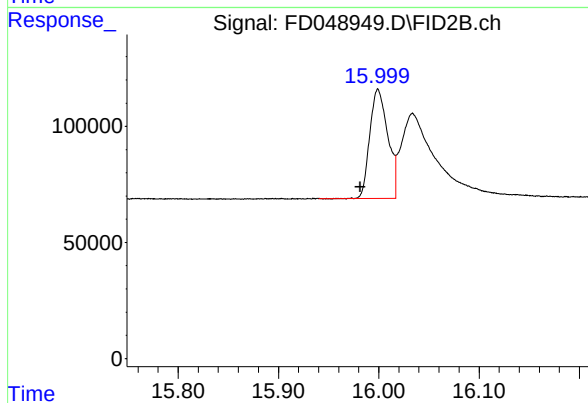
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min  
Delta R.T.: 0.021 min  
Response: 474873  
Conc: 3.53 ug/ml



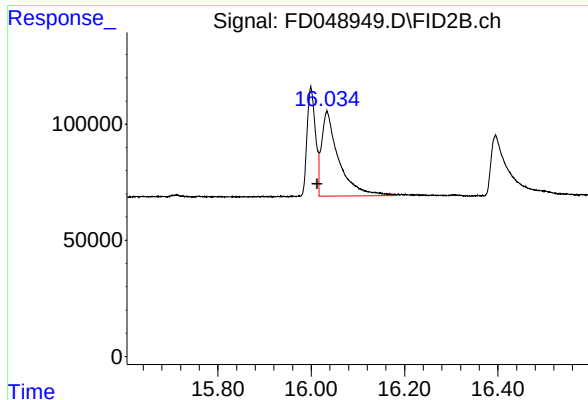
#15 Chrysene (C27.41)

R.T.: 14.492 min  
Delta R.T.: 0.015 min  
Response: 1000984  
Conc: 6.33 ug/ml



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

R.T.: 15.999 min  
Delta R.T.: 0.018 min  
Response: 587465  
Conc: 4.21 ug/ml



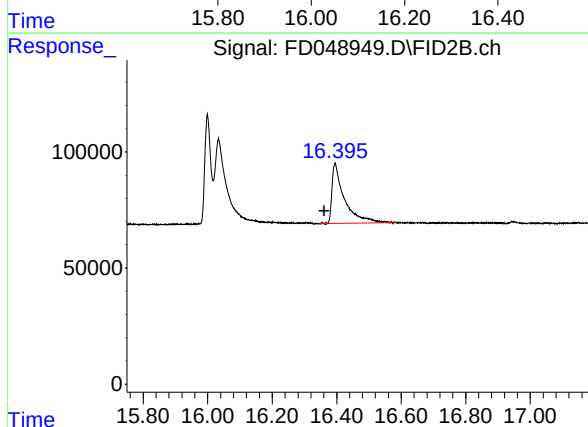
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.034 min  
Delta R.T.: 0.021 min  
Response: 932809  
Conc: 6.09 ug/ml

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

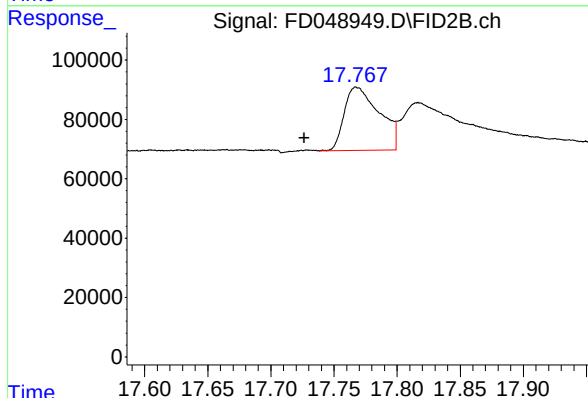
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025



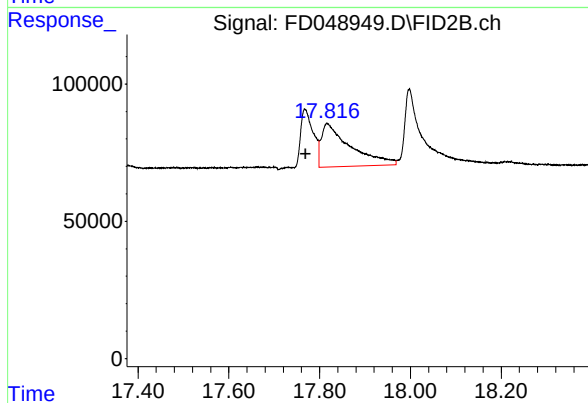
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min  
Delta R.T.: 0.033 min  
Response: 689943  
Conc: 5.07 ug/ml



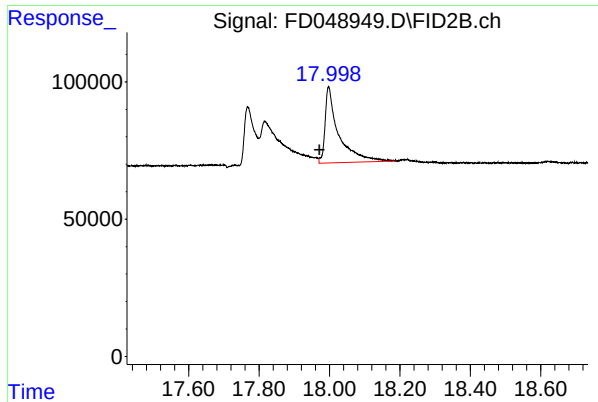
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.768 min  
Delta R.T.: 0.041 min  
Response: 411157  
Conc: 4.14 ug/ml



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

R.T.: 17.816 min  
Delta R.T.: 0.047 min  
Response: 699298  
Conc: 4.82 ug/ml m



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

R.T.: 17.998 min  
Delta R.T.: 0.025 min  
Response: 746404  
Conc: 5.37 ug/ml

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

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025

rteres

Instrument :  
FID\_D  
LabSampleId :  
5 PPM AROMATIC HC STD5  
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :Ankita Jodhani 01/27/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD01242  
Data File : FD048949.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 11:10  
Sample : 5 PPM AROMATIC HC STD5  
Misc :  
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.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                       | 4.184       | 4.120        | 4.304      | BB       | 73910          | 789589       | 78.88%         | 5.095%        |
| 2                       | 5.708       | 5.665        | 5.864      | BB       | 46903          | 759669       | 75.89%         | 4.902%        |
| 3                       | 6.756       | 6.709        | 6.927      | BV       | 40283          | 770079       | 76.93%         | 4.969%        |
| 4                       | 7.368       | 7.339        | 7.504      | BB       | 45492          | 717868       | 71.72%         | 4.632%        |
| 5                       | 8.016       | 7.960        | 8.144      | BB       | 60468          | 854846       | 85.40%         | 5.516%        |
| 6                       | 8.233       | 8.180        | 8.285      | BV       | 16107          | 339783       | 33.94%         | 2.192%        |
| 7                       | 8.305       | 8.285        | 8.435      | VB       | 77409          | 948275       | 94.73%         | 6.119%        |
| 8                       | 9.095       | 9.045        | 9.240      | BB       | 43393          | 763400       | 76.26%         | 4.926%        |
| 9                       | 10.483      | 10.412       | 10.545     | BV       | 48278          | 750630       | 74.99%         | 4.843%        |
| 10                      | 10.566      | 10.545       | 10.742     | VB       | 30142          | 743883       | 74.32%         | 4.800%        |
| 11                      | 11.242      | 11.192       | 11.340     | BB       | 69350          | 879266       | 87.84%         | 5.673%        |
| 12                      | 12.292      | 12.256       | 12.465     | PB       | 38358          | 810442       | 80.96%         | 5.229%        |
| 13                      | 12.579      | 12.530       | 12.740     | BB       | 43505          | 825951       | 82.51%         | 5.329%        |
| 14                      | 14.456      | 14.409       | 14.473     | BV       | 35912          | 474873       | 47.44%         | 3.064%        |
| 15                      | 14.492      | 14.473       | 14.660     | VB       | 40862          | 1000984      | 100.00%        | 6.459%        |
| 16                      | 15.999      | 15.940       | 16.017     | BV       | 47044          | 587465       | 58.69%         | 3.791%        |
| 17                      | 16.034      | 16.017       | 16.204     | VB       | 36440          | 919938       | 91.90%         | 5.936%        |
| 18                      | 16.395      | 16.345       | 16.584     | BB       | 25965          | 689943       | 68.93%         | 4.452%        |
| 19                      | 17.768      | 17.738       | 17.799     | PV       | 21343          | 411157       | 41.08%         | 2.653%        |
| 20                      | 17.817      | 17.799       | 17.970     | VV       | 15909          | 713471       | 71.28%         | 4.604%        |
| 21                      | 17.998      | 17.970       | 18.189     | VB       | 27630          | 746404       | 74.57%         | 4.816%        |
| Sum of corrected areas: |             |              |            |          |                | 15497915     |                |               |

Aromatic EPH 012425.M Sat Jan 25 03:48:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
 Data File : FD048950.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Jan 2025 11:46  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD ICV  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jan 25 03:39:54 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:38:15 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...      | 7.357  | 2887094    | 20.286 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.57%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.209  | 1813337    | 21.311 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 42.62%       |
| 11) S ortho-Terphenyl (SURR)       | 11.239 | 3311463    | 20.136 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 40.27%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.180  | 3137844    | 20.356 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.698  | 3187176    | 20.390 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.744  | 3164394    | 20.398 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.009  | 3303580    | 20.200 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.302  | 3339705    | 19.884 ug/ml |
| 8) T Fluorene (C16.55)             | 9.082  | 3225268    | 20.618 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.469 | 3110469    | 20.423 ug/ml |
| 10) T Anthracene (C19.43)          | 10.546 | 3128088    | 20.536 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.273 | 3227346    | 20.518 ug/ml |
| 13) T Pyrene (C20.8)               | 12.565 | 3146895    | 19.976 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.435 | 2842185    | 22.087 ug/ml |
| 15) T Chrysene (C27.41)            | 14.476 | 3307605    | 19.560 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 15.981 | 2946816    | 21.568 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.013 | 3210095    | 19.821 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.362 | 2755524    | 19.799 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.727 | 2116534    | 20.294 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.768 | 3065764    | 21.476 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 17.973 | 2893272    | 20.284 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

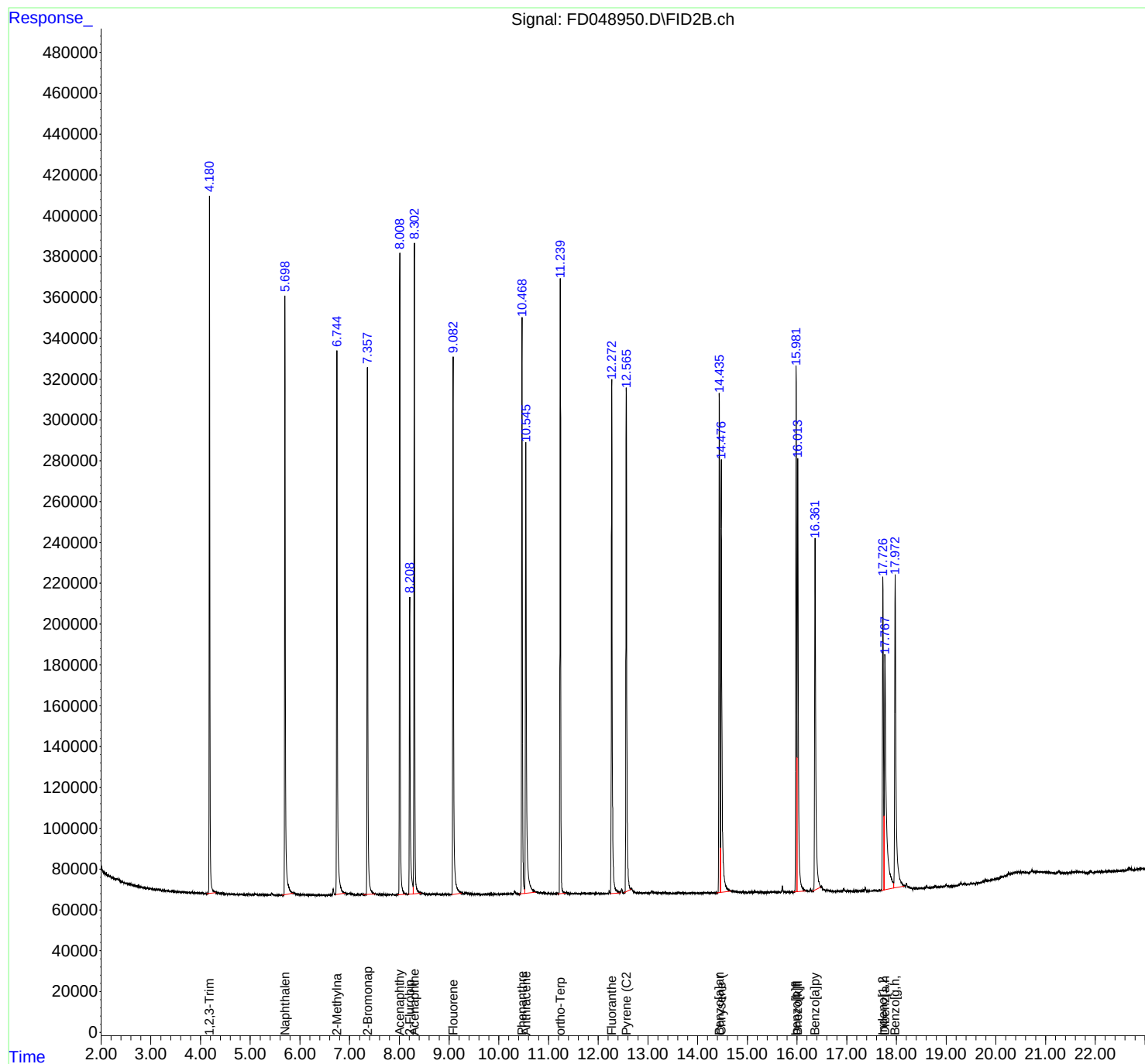
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048950.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 11:46  
Operator : YP/AJ  
Sample : 20 PPM AROMATIC HC STD ICV  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

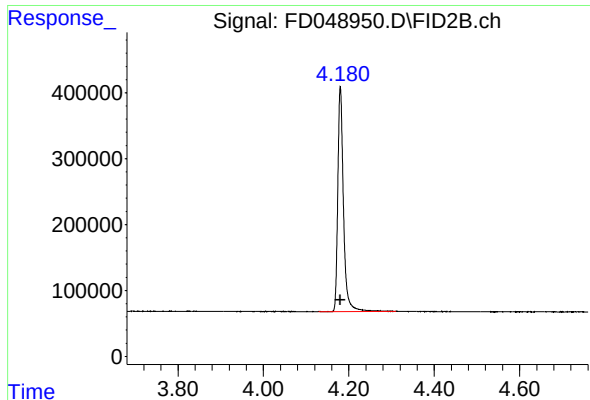
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e  
Quant Time: Jan 25 03:39:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:38:15 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)

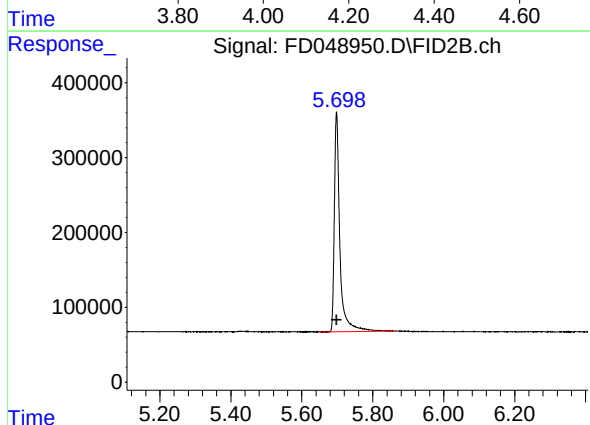
R.T.: 4.180 min  
Delta R.T.: 0.000 min  
Response: 3137844  
Conc: 20.36 ug/ml

Instrument :

FID\_D

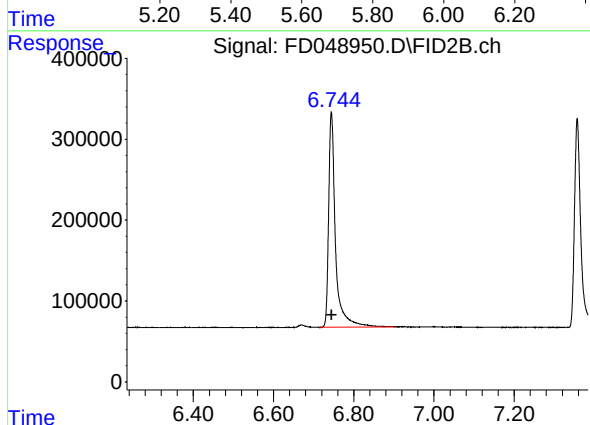
ClientSampleId :

20 PPM AROMATIC HC STD ICV



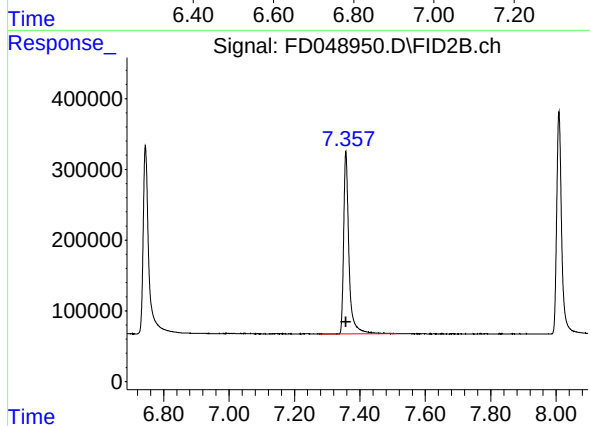
#2 Naphthalene (C11.7)

R.T.: 5.698 min  
Delta R.T.: 0.000 min  
Response: 3187176  
Conc: 20.39 ug/ml



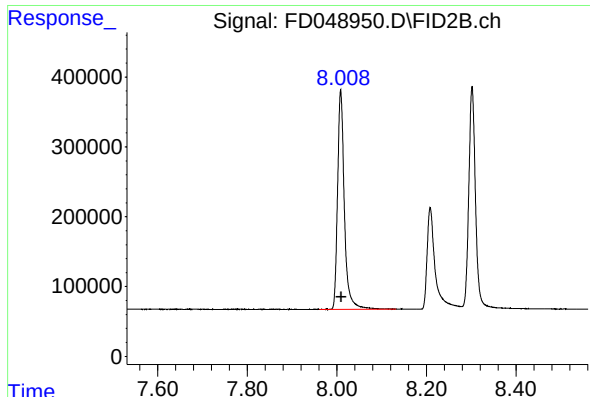
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.744 min  
Delta R.T.: 0.000 min  
Response: 3164394  
Conc: 20.40 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.357 min  
Delta R.T.: 0.000 min  
Response: 2887094  
Conc: 20.29 ug/ml



#5 Acenaphthylene (C15.06)

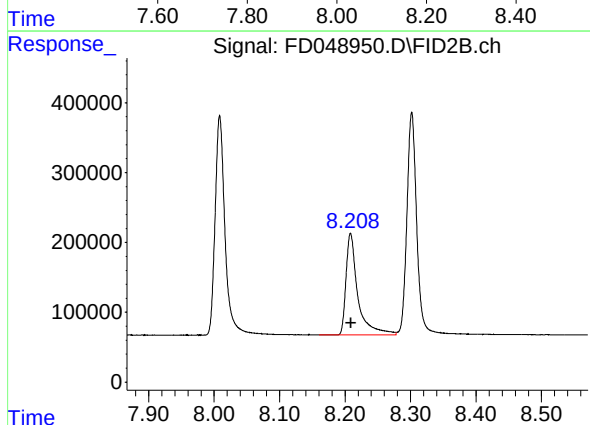
R.T.: 8.009 min  
Delta R.T.: 0.000 min  
Response: 3303580  
Conc: 20.20 ug/ml

Instrument :

FID\_D

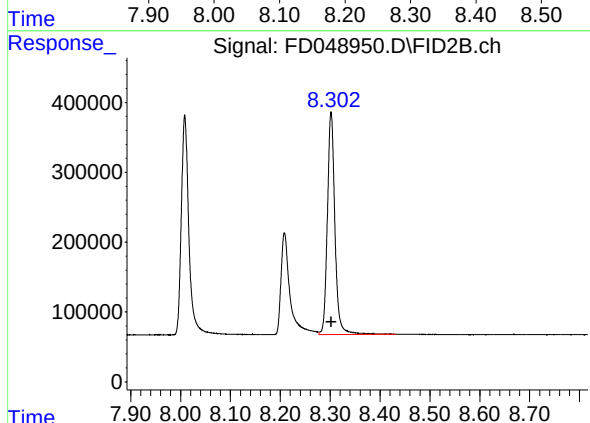
ClientSampleId :

20 PPM AROMATIC HC STD ICV



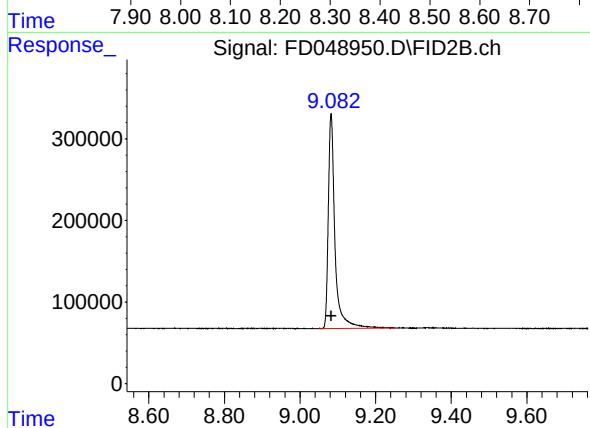
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min  
Delta R.T.: 0.000 min  
Response: 1813337  
Conc: 21.31 ug/ml



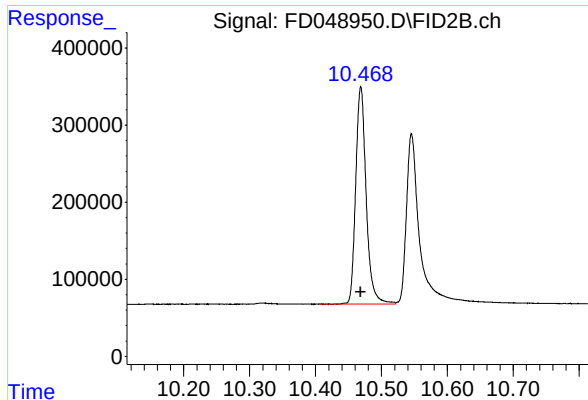
#7 Acenaphthene (C15.5)

R.T.: 8.302 min  
Delta R.T.: 0.000 min  
Response: 3339705  
Conc: 19.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.082 min  
Delta R.T.: 0.000 min  
Response: 3225268  
Conc: 20.62 ug/ml



#9 Phenanthrene (C19.36)

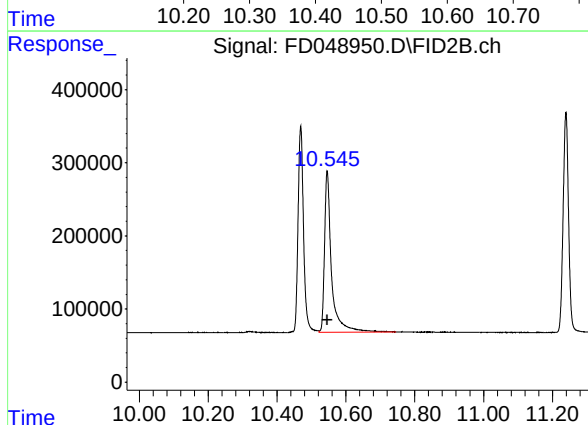
R.T.: 10.469 min  
Delta R.T.: 0.000 min  
Response: 3110469  
Conc: 20.42 ug/ml

Instrument :

FID\_D

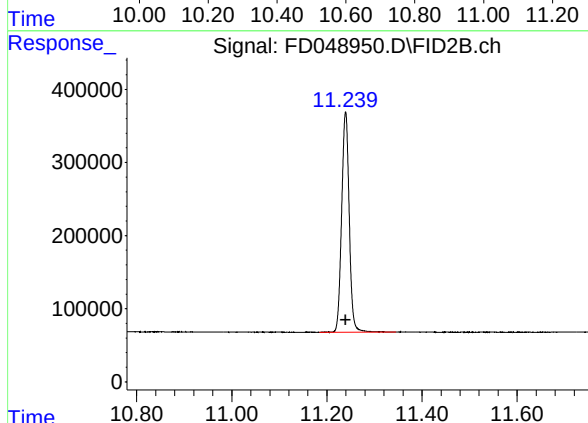
ClientSampleId :

20 PPM AROMATIC HC STD ICV



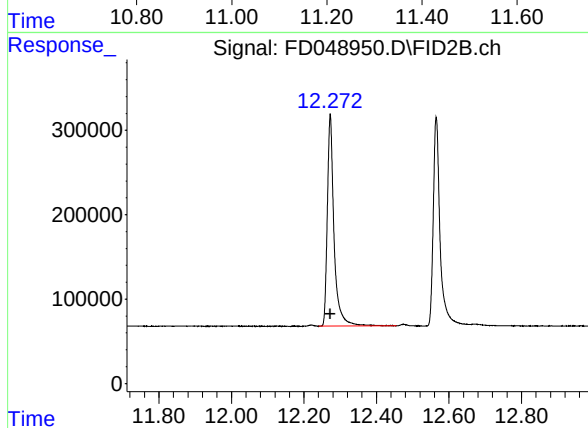
#10 Anthracene (C19.43)

R.T.: 10.546 min  
Delta R.T.: 0.000 min  
Response: 3128088  
Conc: 20.54 ug/ml



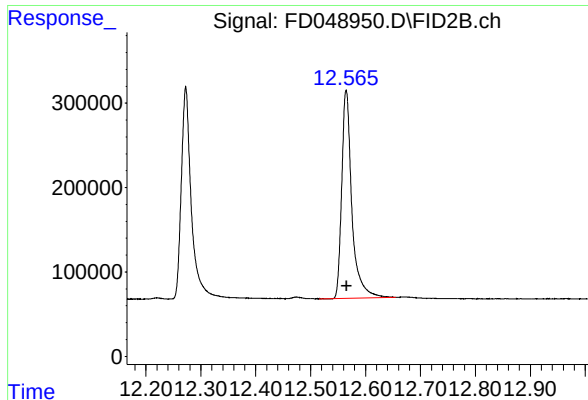
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min  
Delta R.T.: 0.000 min  
Response: 3311463  
Conc: 20.14 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.273 min  
Delta R.T.: 0.000 min  
Response: 3227346  
Conc: 20.52 ug/ml



#13 Pyrene (C20.8)

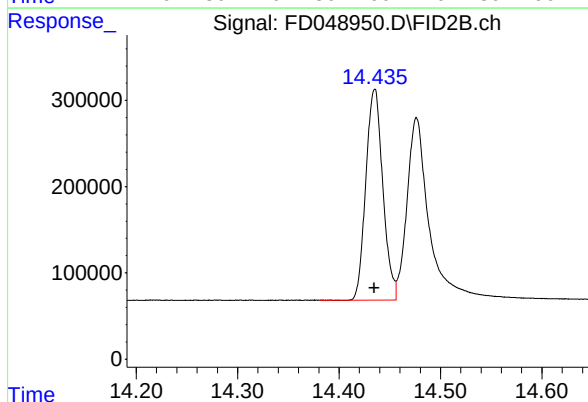
R.T.: 12.565 min  
Delta R.T.: 0.000 min  
Response: 3146895  
Conc: 19.98 ug/ml

Instrument :

FID\_D

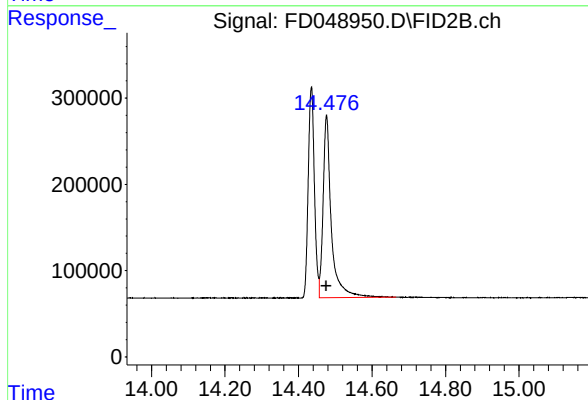
ClientSampleId :

20 PPM AROMATIC HC STD ICV



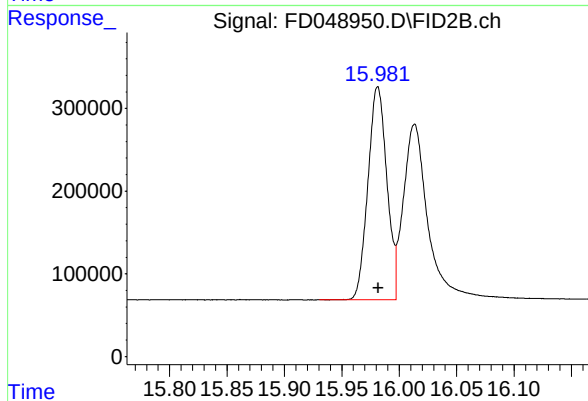
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.435 min  
Delta R.T.: 0.000 min  
Response: 2842185  
Conc: 22.09 ug/ml



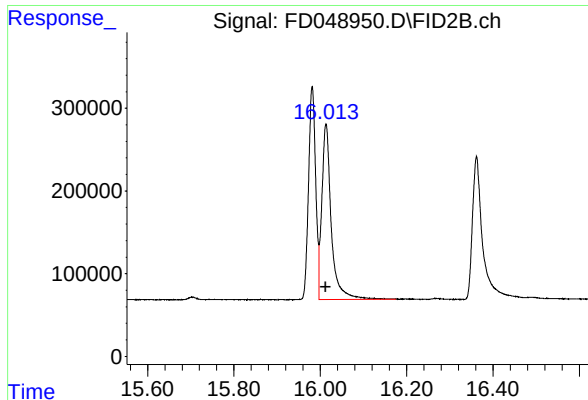
#15 Chrysene (C27.41)

R.T.: 14.476 min  
Delta R.T.: 0.000 min  
Response: 3307605  
Conc: 19.56 ug/ml



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

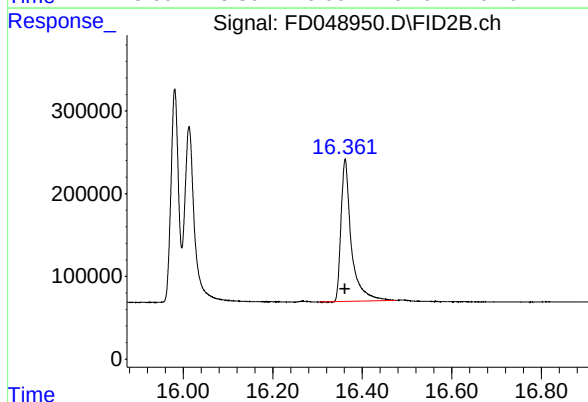
R.T.: 15.981 min  
Delta R.T.: 0.000 min  
Response: 2946816  
Conc: 21.57 ug/ml



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

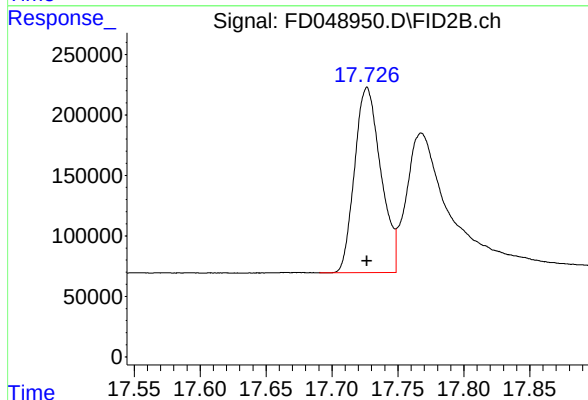
R.T.: 16.013 min  
Delta R.T.: 0.000 min  
Response: 3210095  
Conc: 19.82 ug/ml

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



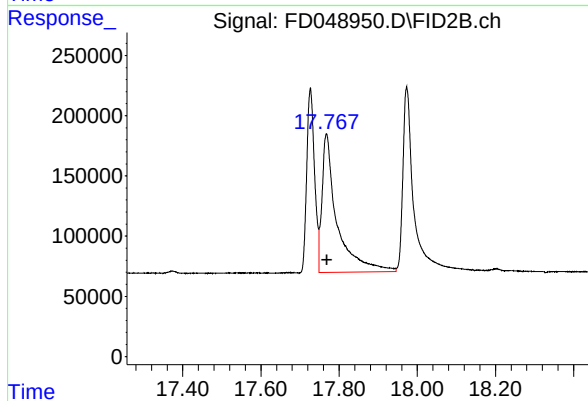
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min  
Delta R.T.: 0.000 min  
Response: 2755524  
Conc: 19.80 ug/ml



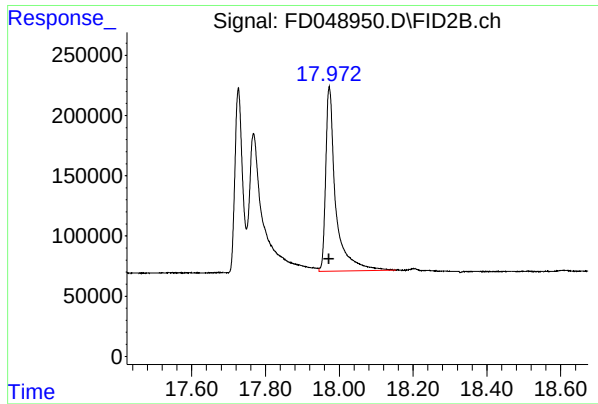
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min  
Delta R.T.: 0.000 min  
Response: 2116534  
Conc: 20.29 ug/ml



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

R.T.: 17.768 min  
Delta R.T.: -0.001 min  
Response: 3065764  
Conc: 21.48 ug/ml



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

R.T.: 17.973 min  
Delta R.T.: 0.000 min  
Response: 2893272  
Conc: 20.28 ug/ml

Instrument :

FID\_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012425AR\  
Data File : FD048950.D  
Signal(s) : FID2B.ch  
Acq On : 24 Jan 2025 11:46  
Sample : 20 PPM AROMATIC HC STD ICV  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.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                       | 4.180       | 4.130        | 4.310      | BB       | 341313         | 3137844      | 93.96%         | 4.971%        |
| 2                       | 5.698       | 5.649        | 5.865      | BB       | 292567         | 3187176      | 95.43%         | 5.049%        |
| 3                       | 6.744       | 6.714        | 6.905      | BB       | 266178         | 3164394      | 94.75%         | 5.013%        |
| 4                       | 7.357       | 7.275        | 7.510      | BB       | 258041         | 2887094      | 86.45%         | 4.574%        |
| 5                       | 8.009       | 7.960        | 8.132      | BB       | 313828         | 3303580      | 98.92%         | 5.234%        |
| 6                       | 8.209       | 8.160        | 8.278      | BV       | 145410         | 1813337      | 54.30%         | 2.873%        |
| 7                       | 8.302       | 8.278        | 8.432      | VB       | 318754         | 3339705      | 100.00%        | 5.291%        |
| 8                       | 9.082       | 9.050        | 9.254      | BB       | 263286         | 3225268      | 96.57%         | 5.110%        |
| 9                       | 10.469      | 10.405       | 10.522     | BV       | 282049         | 3110469      | 93.14%         | 4.928%        |
| 10                      | 10.546      | 10.522       | 10.745     | VB       | 220641         | 3128088      | 93.66%         | 4.956%        |
| 11                      | 11.239      | 11.184       | 11.345     | BB       | 301119         | 3311463      | 99.15%         | 5.246%        |
| 12                      | 12.273      | 12.242       | 12.454     | PB       | 250955         | 3227346      | 96.64%         | 5.113%        |
| 13                      | 12.565      | 12.515       | 12.655     | BV       | 246736         | 3146895      | 94.23%         | 4.986%        |
| 14                      | 14.435      | 14.380       | 14.456     | BV       | 244706         | 2842185      | 85.10%         | 4.503%        |
| 15                      | 14.476      | 14.456       | 14.665     | VB       | 211452         | 3307605      | 99.04%         | 5.240%        |
| 16                      | 15.981      | 15.930       | 15.997     | BV       | 257651         | 2946816      | 88.24%         | 4.669%        |
| 17                      | 16.013      | 15.997       | 16.175     | VB       | 212277         | 3210095      | 96.12%         | 5.086%        |
| 18                      | 16.362      | 16.304       | 16.475     | BV       | 172243         | 2755524      | 82.51%         | 4.366%        |
| 19                      | 17.727      | 17.690       | 17.749     | BV       | 153458         | 2116534      | 63.37%         | 3.353%        |
| 20                      | 17.768      | 17.749       | 17.945     | VV       | 115186         | 3065764      | 91.80%         | 4.857%        |
| 21                      | 17.973      | 17.945       | 18.154     | VV       | 152571         | 2893272      | 86.63%         | 4.584%        |
| Sum of corrected areas: |             |              |            |          |                | 63120453     |                |               |

Aromatic EPH 012425.M Sat Jan 25 03:48:24 2025