

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD032422AR\  
 Data File : FD041714.D  
 Signal(s) : FID2B.CH  
 Acq On : 25 Mar 2022 6:08  
 Operator : UA/NP  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
 Supervised By :mohammad ahmed 03/30/2022

Integration File: autoint1.e  
 Quant Time: Mar 25 07:01:00 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 032222.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 22 17:33:18 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...      | 7.349  | 3033772    | 18.915 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 37.83%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.199  | 1998895    | 20.228 ug/mlm |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.46%        |
| 11) S ortho-Terphenyl (SURR)       | 11.228 | 3938751    | 20.261 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.52%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.170  | 3540979    | 20.216 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.692  | 3365812    | 19.077 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.737  | 3066936    | 19.169 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 7.999  | 3596746    | 19.436 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.293  | 3635623    | 18.938 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.071  | 3359515    | 19.043 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.458 | 3444452    | 19.747 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.533 | 3186787    | 17.509 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.260 | 3347356    | 18.961 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.553 | 3308430    | 19.569 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.423 | 2696828    | 18.036 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.464 | 2981571    | 16.565 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 15.970 | 2735327    | 18.446 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.001 | 2849673    | 17.246 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.347 | 2573221    | 18.294 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.711 | 2262849    | 20.545 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.750 | 2921661    | 20.181 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 17.960 | 2712699    | 20.440 ug/mlm |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD032422AR\  
Data File : FD041714.D  
Signal(s) : FID2B.CH  
Acq On : 25 Mar 2022 6:08  
Operator : UA/NP  
Sample : 20 PPM AROMATIC HC STD  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

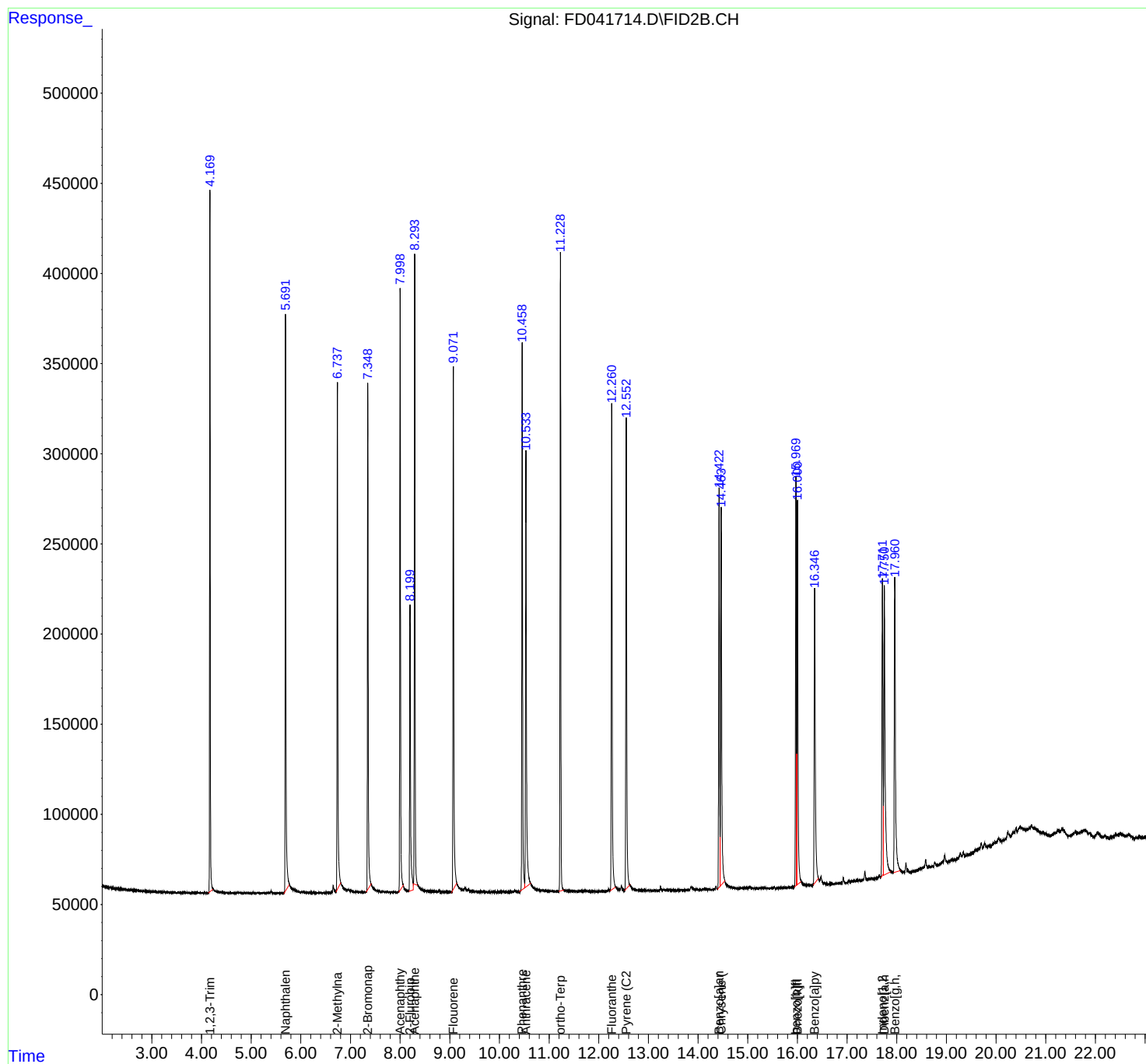
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM AROMATIC HC STD

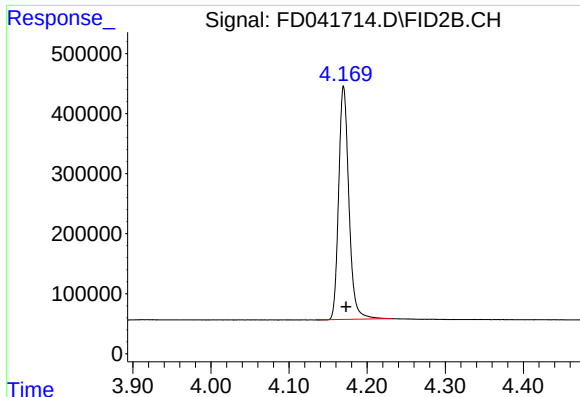
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022

Integration File: autoint1.e  
Quant Time: Mar 25 07:01:00 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 032222.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 22 17:33:18 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





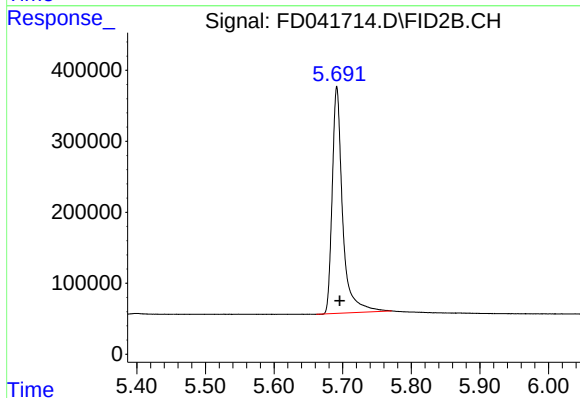
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.170 min  
Delta R.T.: -0.003 min  
Response: 3540979  
Conc: 20.22 ug/ml

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

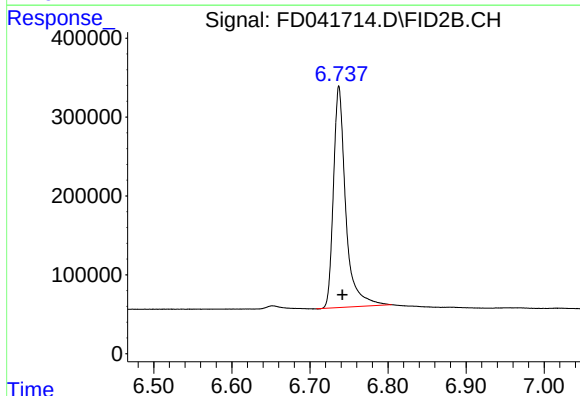
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022



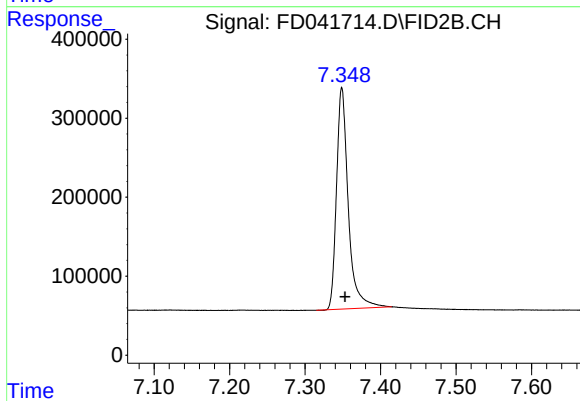
#2 Naphthalene (C11.7)

R.T.: 5.692 min  
Delta R.T.: -0.004 min  
Response: 3365812  
Conc: 19.08 ug/ml



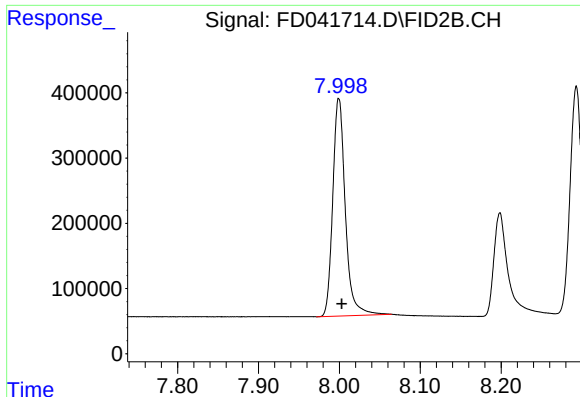
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.737 min  
Delta R.T.: -0.004 min  
Response: 3066936  
Conc: 19.17 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.349 min  
Delta R.T.: -0.004 min  
Response: 3033772  
Conc: 18.92 ug/ml



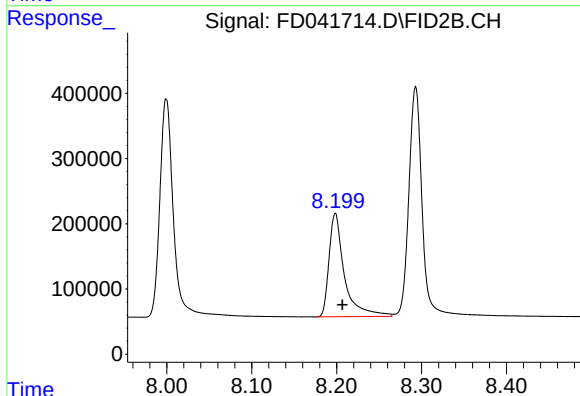
#5 Acenaphthylene (C15.06)

R.T.: 7.999 min  
Delta R.T.: -0.004 min  
Response: 3596746  
Conc: 19.44 ug/ml

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

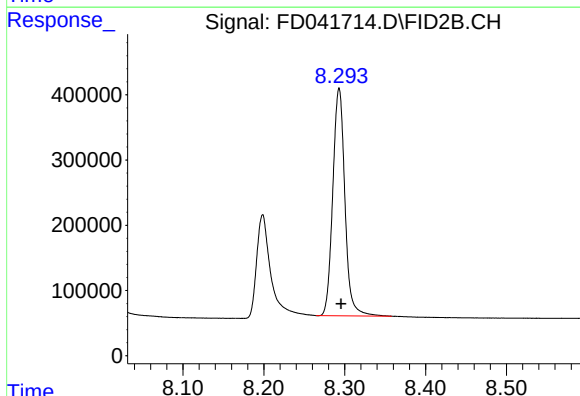
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022



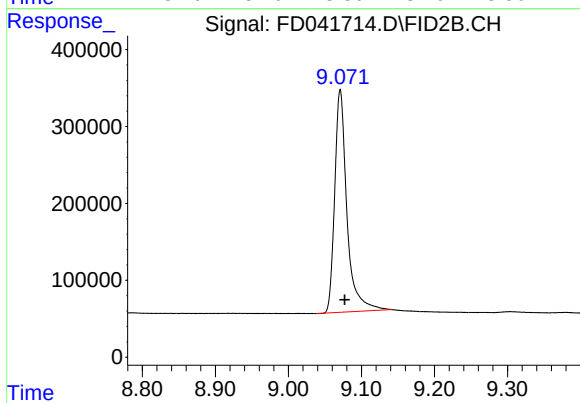
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.199 min  
Delta R.T.: -0.008 min  
Response: 1998895  
Conc: 20.23 ug/ml m



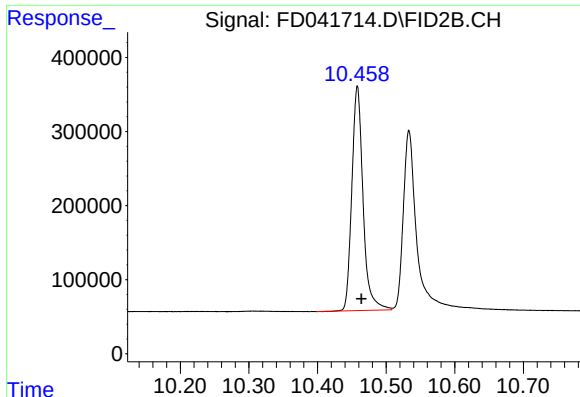
#7 Acenaphthene (C15.5)

R.T.: 8.293 min  
Delta R.T.: -0.002 min  
Response: 3635623  
Conc: 18.94 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.071 min  
Delta R.T.: -0.006 min  
Response: 3359515  
Conc: 19.04 ug/ml



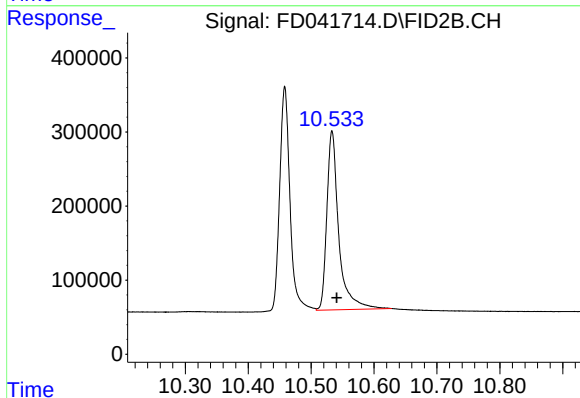
#9 Phenanthrene (C19.36)

R.T.: 10.458 min  
Delta R.T.: -0.006 min  
Response: 3444452  
Conc: 19.75 ug/ml

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

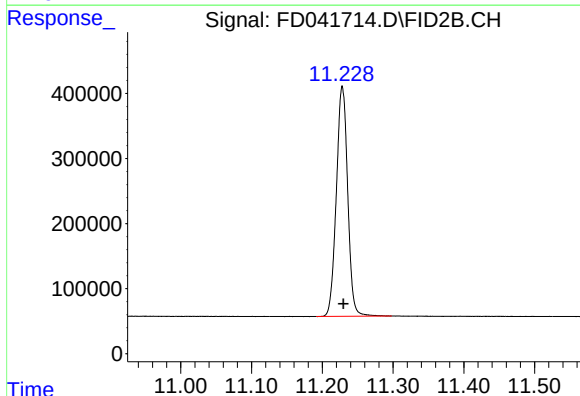
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022



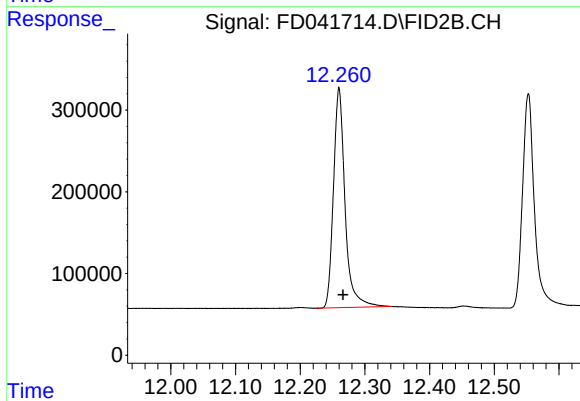
#10 Anthracene (C19.43)

R.T.: 10.533 min  
Delta R.T.: -0.007 min  
Response: 3186787  
Conc: 17.51 ug/ml



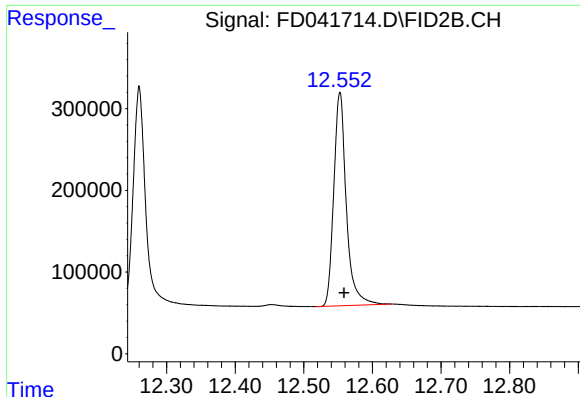
#11 ortho-Terphenyl (SURR)

R.T.: 11.228 min  
Delta R.T.: -0.002 min  
Response: 3938751  
Conc: 20.26 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.260 min  
Delta R.T.: -0.006 min  
Response: 3347356  
Conc: 18.96 ug/ml



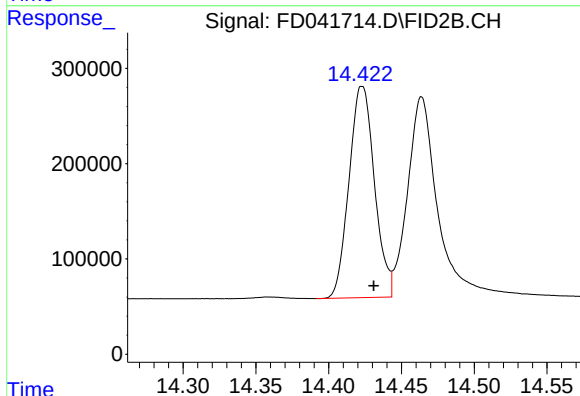
#13 Pyrene (C20.8)

R.T.: 12.553 min  
Delta R.T.: -0.006 min  
Response: 3308430  
Conc: 19.57 ug/ml

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

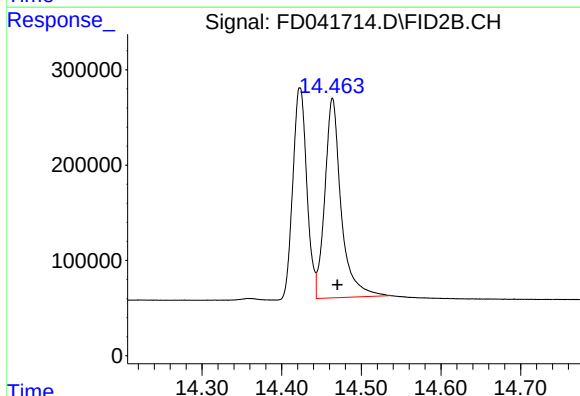
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022



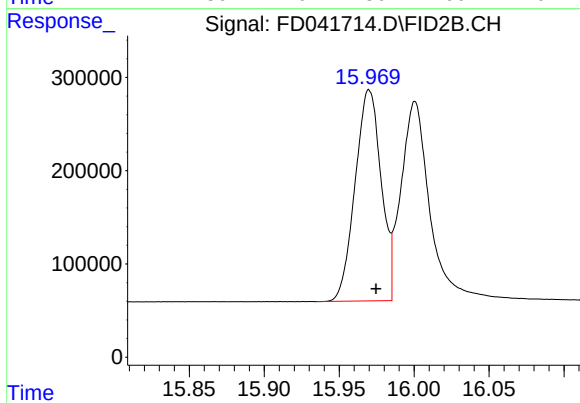
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.423 min  
Delta R.T.: -0.008 min  
Response: 2696828  
Conc: 18.04 ug/ml



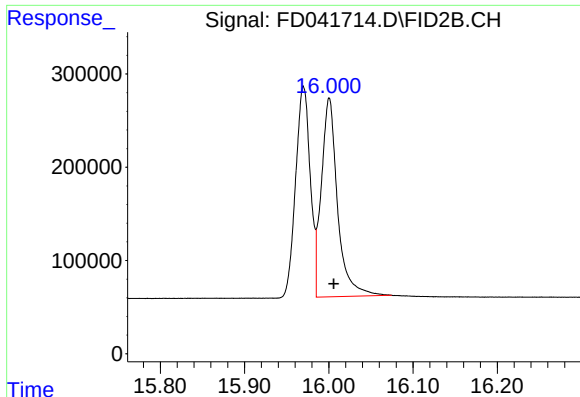
#15 Chrysene (C27.41)

R.T.: 14.464 min  
Delta R.T.: -0.006 min  
Response: 2981571  
Conc: 16.56 ug/ml



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

R.T.: 15.970 min  
Delta R.T.: -0.004 min  
Response: 2735327  
Conc: 18.45 ug/ml



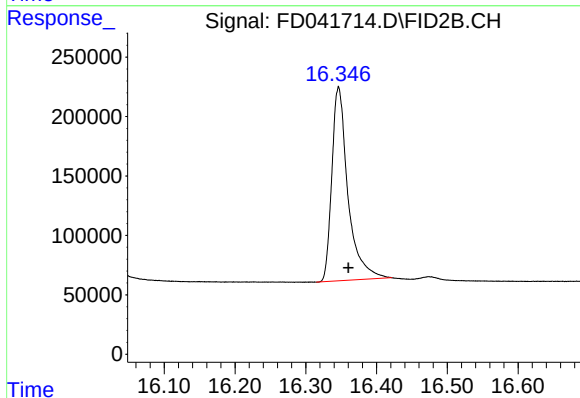
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.001 min  
Delta R.T.: -0.005 min  
Response: 2849673  
Conc: 17.25 ug/ml

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

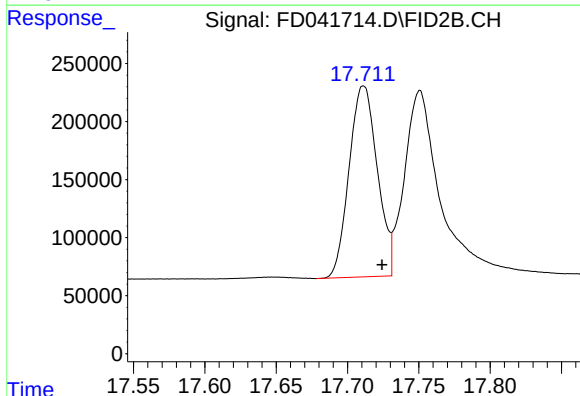
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022



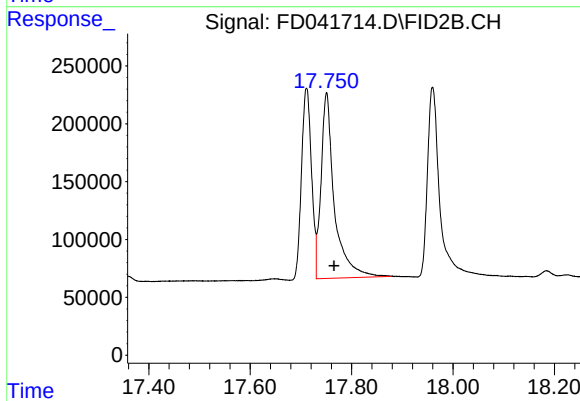
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.347 min  
Delta R.T.: -0.013 min  
Response: 2573221  
Conc: 18.29 ug/ml



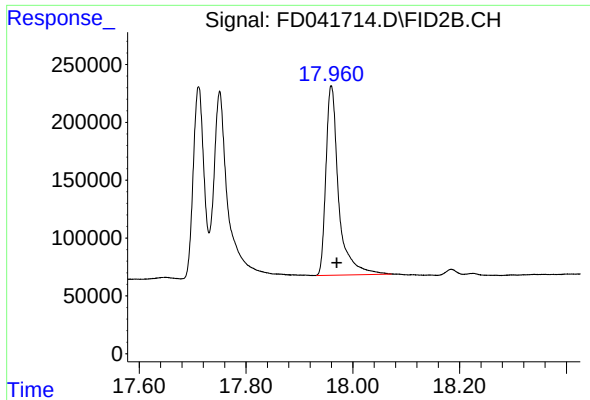
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.711 min  
Delta R.T.: -0.013 min  
Response: 2262849  
Conc: 20.54 ug/ml



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

R.T.: 17.750 min  
Delta R.T.: -0.015 min  
Response: 2921661  
Conc: 20.18 ug/ml m



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

R.T.: 17.960 min  
Delta R.T.: -0.010 min  
Response: 2712699  
Conc: 20.44 ug/ml

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

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/25/2022  
Supervised By :mohammad ahmed 03/30/2022