

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD122719AR\  
 Data File : FD031914.D  
 Signal(s) : FID2B.CH  
 Acq On : 27 Dec 2019 13:30  
 Operator : DD\AJ  
 Sample : K6439-02  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 LIED-BF001-01MS

Manual Integrations  
 APPROVED

mohammad  
 12/30/2019 1:57:40 PM

Integration File: autoint1.e  
 Quant Time: Dec 28 00:21:57 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 120519.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Dec 06 03:00:09 2019  
 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...      | 7.640  | 4175270    | 33.755 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 67.51%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.501  | 2356777    | 27.631 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 55.26%        |
| 11) S ortho-Terphenyl (SURR)       | 11.538 | 3878300    | 29.313 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 58.63%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.442  | 3121559    | 24.701 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.981  | 3765049    | 27.921 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.031  | 3972650    | 29.519 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.305  | 4026981    | 30.894 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.601  | 4251493    | 31.460 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.379  | 4383046    | 32.586 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.775 | 4521378    | 33.522 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.849 | 4594807    | 34.446 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.584 | 4649896    | 34.367 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.880 | 4512756    | 33.669 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.748 | 4192692    | 32.910 ug/mlm |
| 15) T Chrysene (C27.41)            | 14.792 | 4685542    | 36.725 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.296 | 4340523    | 35.234 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 16.331 | 4122258    | 33.908 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.674 | 3894855    | 32.495 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.038 | 4141145    | 36.021 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 18.076 | 3944036    | 34.940 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.295 | 4076284    | 35.973 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD122719AR\  
Data File : FD031914.D  
Signal(s) : FID2B.CH  
Acq On : 27 Dec 2019 13:30  
Operator : DD\AJ  
Sample : K6439-02  
Misc :  
ALS Vial : 57 Sample Multiplier: 1

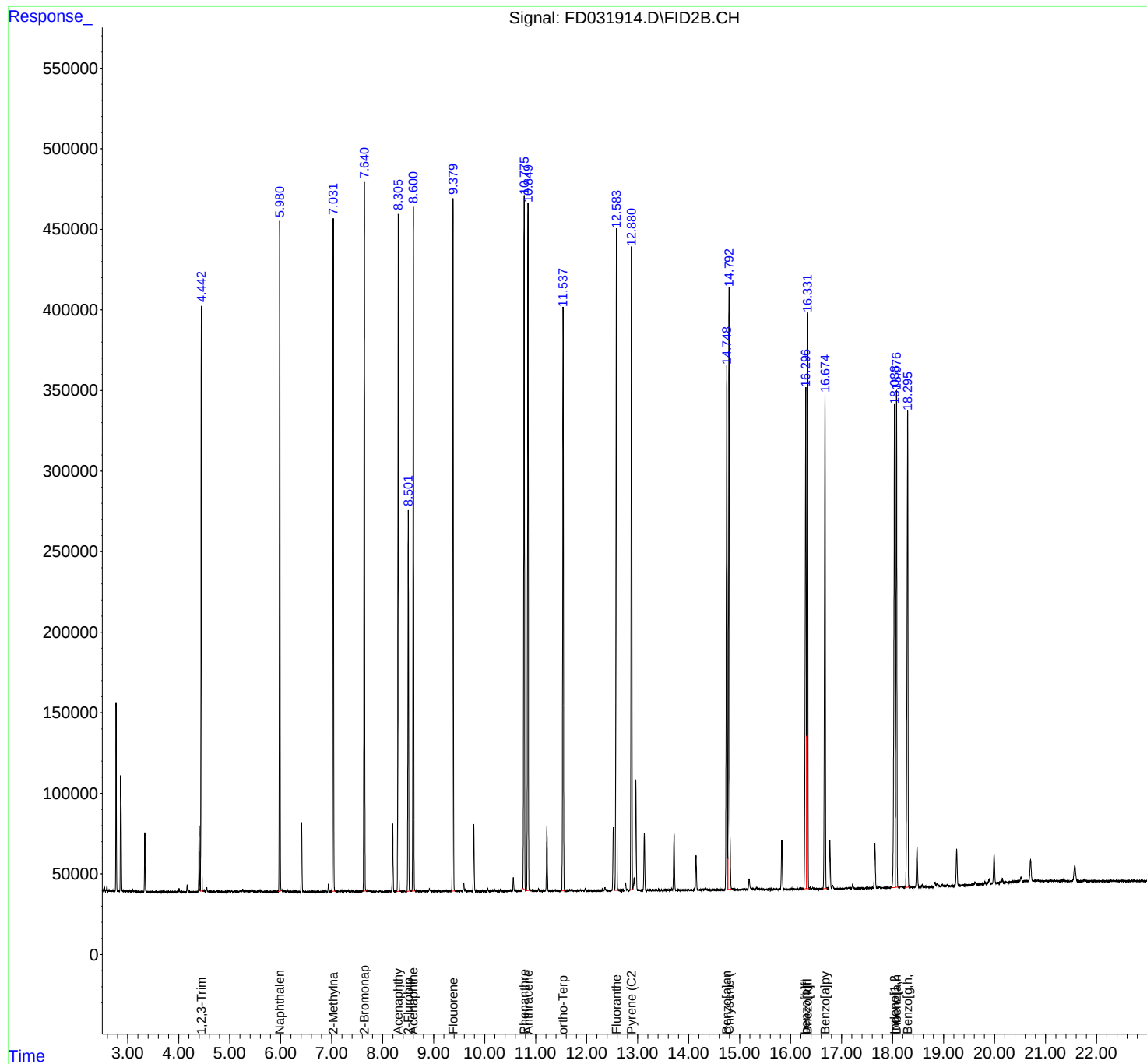
Instrument :  
FID\_D  
ClientSampleID :  
LIED-BF001-01MS

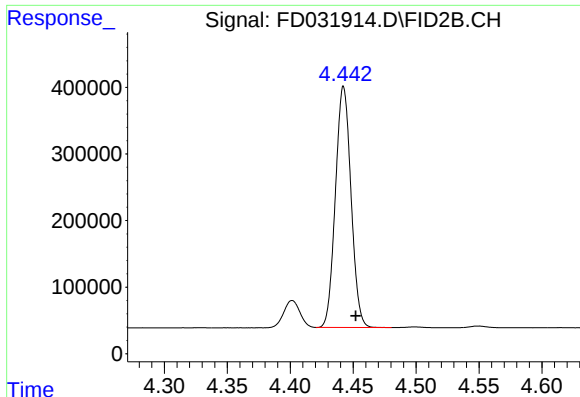
Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM

Integration File: autoint1.e  
Quant Time: Dec 28 00:21:57 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 120519.M  
Quant Title : GC Extractables  
QLast Update : Fri Dec 06 03:00:09 2019  
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





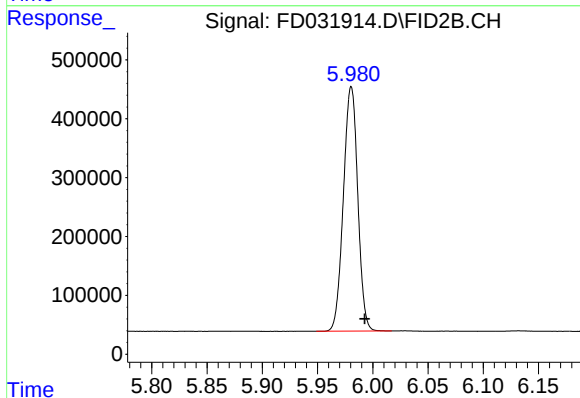
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.442 min  
Delta R.T.: -0.010 min  
Response: 3121559  
Conc: 24.70 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
LIED-BF001-01MS

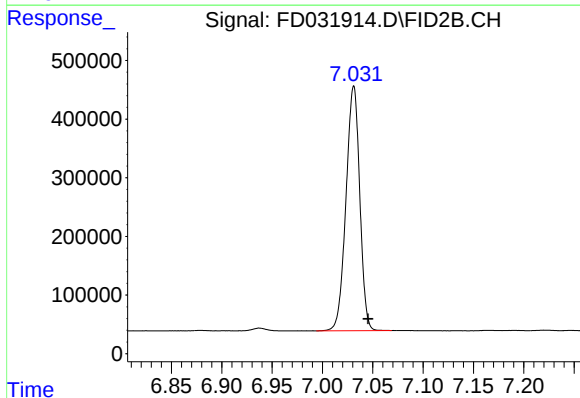
Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM



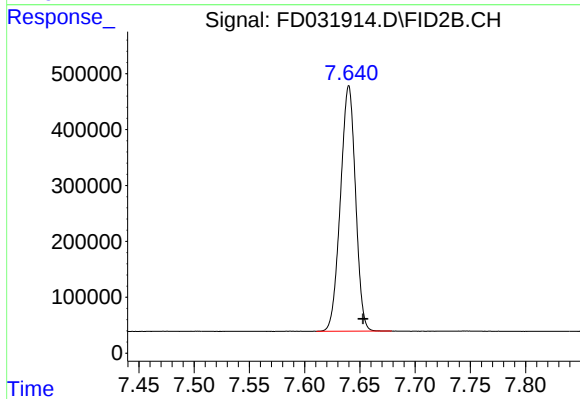
#2 Naphthalene (C11.7)

R.T.: 5.981 min  
Delta R.T.: -0.012 min  
Response: 3765049  
Conc: 27.92 ug/ml



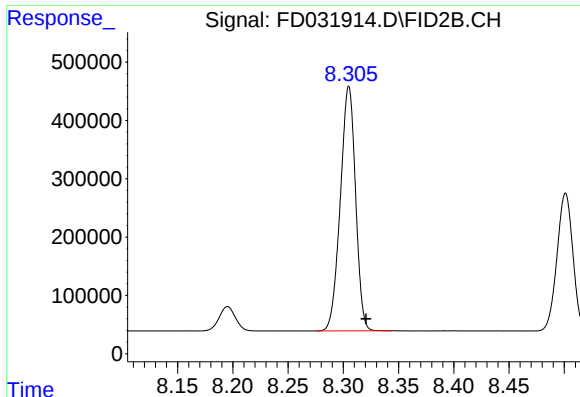
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.031 min  
Delta R.T.: -0.014 min  
Response: 3972650  
Conc: 29.52 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.640 min  
Delta R.T.: -0.013 min  
Response: 4175270  
Conc: 33.76 ug/ml



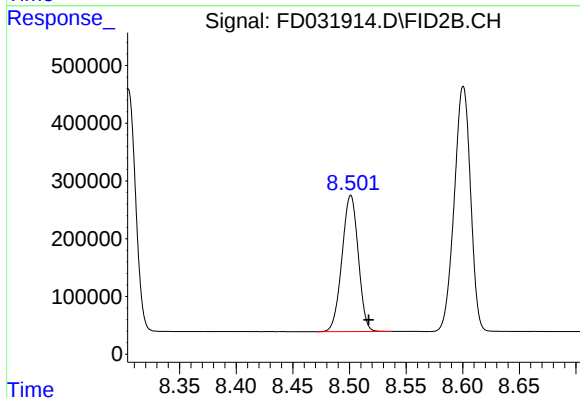
#5 Acenaphthylene (C15.06)

R.T.: 8.305 min  
Delta R.T.: -0.016 min  
Response: 4026981  
Conc: 30.89 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
LIED-BF001-01MS

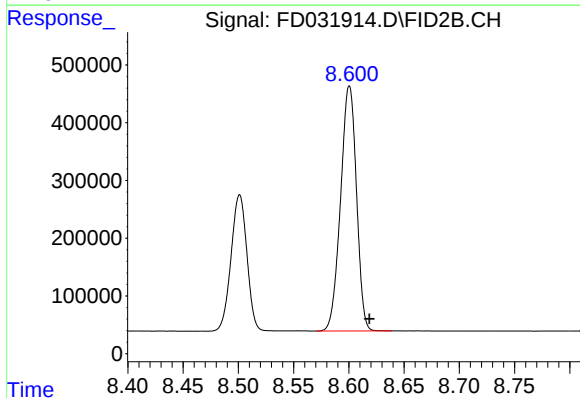
Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM



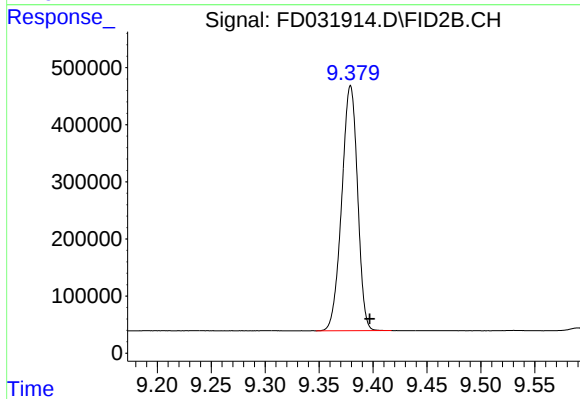
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.501 min  
Delta R.T.: -0.016 min  
Response: 2356777  
Conc: 27.63 ug/ml



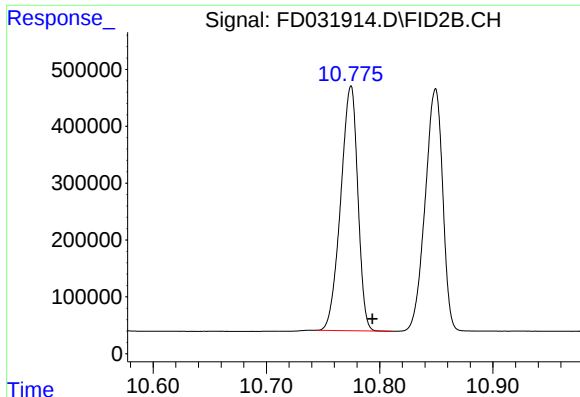
#7 Acenaphthene (C15.5)

R.T.: 8.601 min  
Delta R.T.: -0.018 min  
Response: 4251493  
Conc: 31.46 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.379 min  
Delta R.T.: -0.018 min  
Response: 4383046  
Conc: 32.59 ug/ml



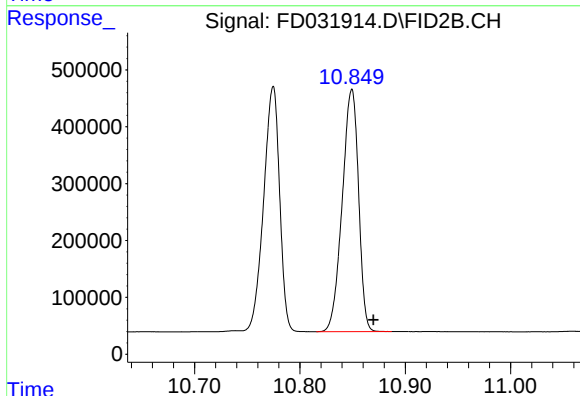
#9 Phenanthrene (C19.36)

R.T.: 10.775 min  
Delta R.T.: -0.019 min  
Response: 4521378  
Conc: 33.52 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
LIED-BF001-01MS

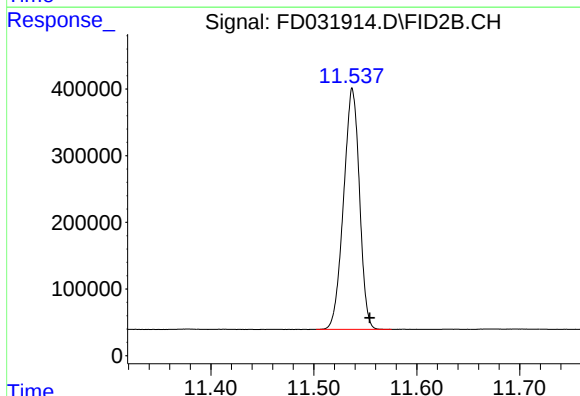
Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM



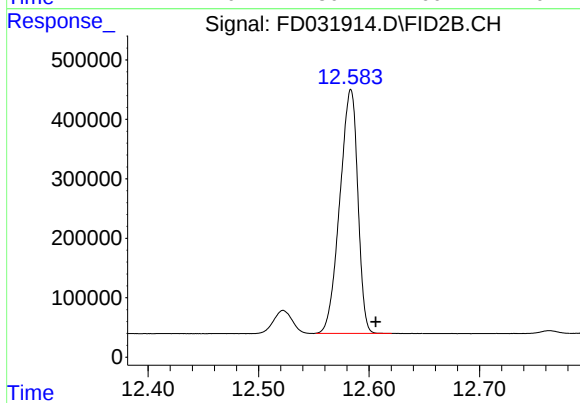
#10 Anthracene (C19.43)

R.T.: 10.849 min  
Delta R.T.: -0.021 min  
Response: 4594807  
Conc: 34.45 ug/ml



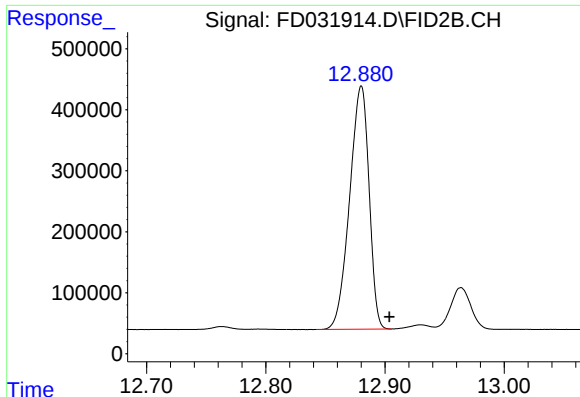
#11 ortho-Terphenyl (SURR)

R.T.: 11.538 min  
Delta R.T.: -0.017 min  
Response: 3878300  
Conc: 29.31 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.584 min  
Delta R.T.: -0.022 min  
Response: 4649896  
Conc: 34.37 ug/ml



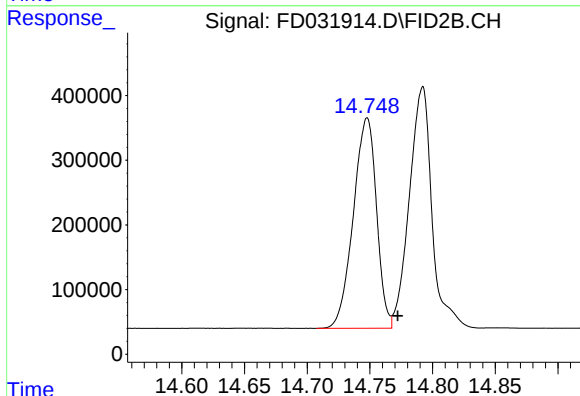
#13 Pyrene (C20.8)

R.T.: 12.880 min  
Delta R.T.: -0.024 min  
Response: 4512756  
Conc: 33.67 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
LIED-BF001-01MS

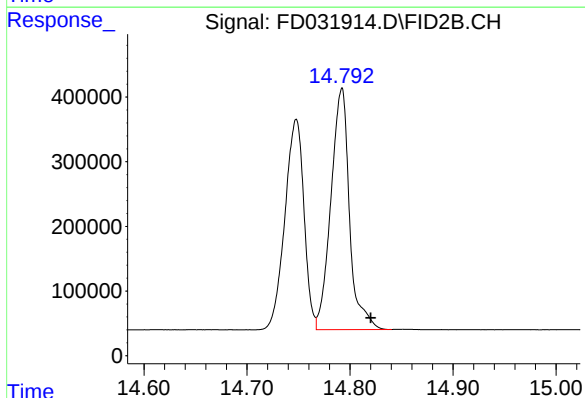
Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM



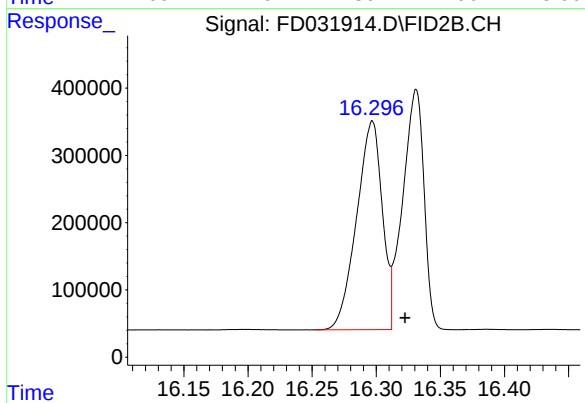
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.748 min  
Delta R.T.: -0.025 min  
Response: 4192692  
Conc: 32.91 ug/ml m



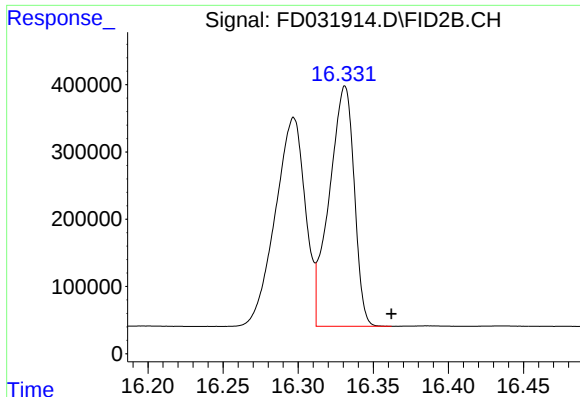
#15 Chrysene (C27.41)

R.T.: 14.792 min  
Delta R.T.: -0.028 min  
Response: 4685542  
Conc: 36.72 ug/ml



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

R.T.: 16.296 min  
Delta R.T.: -0.026 min  
Response: 4340523  
Conc: 35.23 ug/ml m



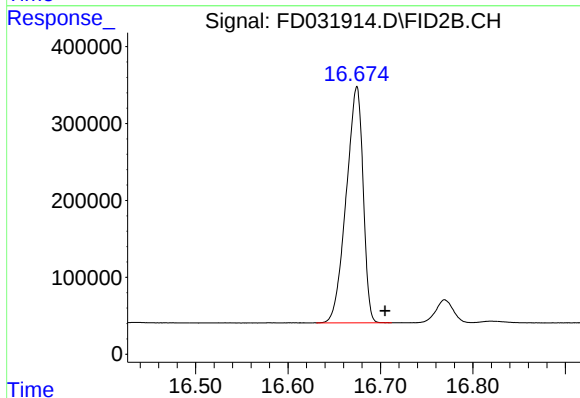
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.331 min  
Delta R.T.: -0.031 min  
Response: 4122258  
Conc: 33.91 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
LIED-BF001-01MS

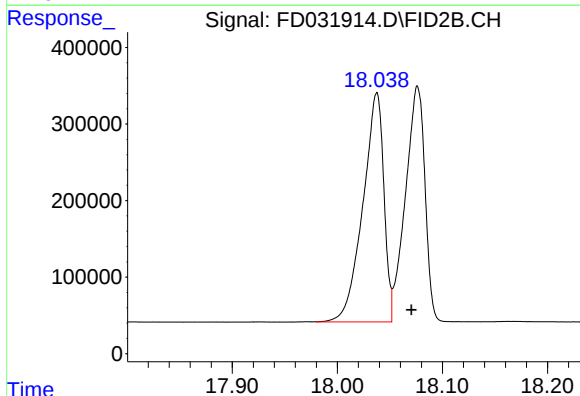
Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM



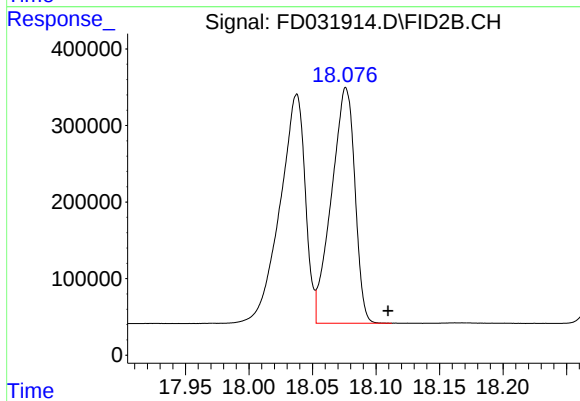
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.674 min  
Delta R.T.: -0.031 min  
Response: 3894855  
Conc: 32.50 ug/ml



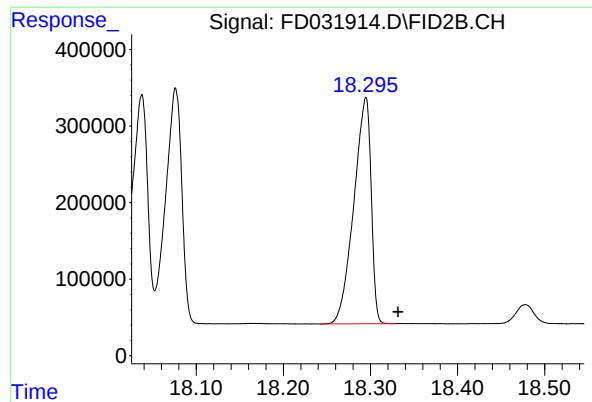
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.038 min  
Delta R.T.: -0.033 min  
Response: 4141145  
Conc: 36.02 ug/ml m



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

R.T.: 18.076 min  
Delta R.T.: -0.033 min  
Response: 3944036  
Conc: 34.94 ug/ml



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

R.T.: 18.295 min  
Delta R.T.: -0.037 min  
Response: 4076284  
Conc: 35.97 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
LIED-BF001-01MS

Manual Integrations  
APPROVED

mohammad  
12/30/2019 1:57:40 PM