

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
 Data File : BG041927.D  
 Acq On : 4 Aug 2019 4:10  
 Operator : HP/JU  
 Sample : K3962-04  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEP33

Manual Integrations  
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mohammad  
 8/5/2019 3:02:32 PM

Quant Time: Aug 04 08:24:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Aug 04 03:32:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 77576    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.86 | 136  | 331352   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.69 | 164  | 234332   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.45 | 188  | 489559   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.73 | 240  | 501919   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 25.00 | 264  | 572855   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.42  | 96  | 4360   | 2.46  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.18  | 99  | 111161 | 18.26 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.35  | 67  | 64359  | 18.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.56  | 132 | 101441 | 19.49 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.74  | 113 | 97991  | 19.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.20  | 128 | 50757  | 20.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.93  | 143 | 61106  | 21.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.47 | 165 | 117945 | 20.17 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.98 | 131 | 138804 | 21.40 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.09 | 166 | 418093 | 23.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.39 | 160 | 468105 | 22.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.88 | 143 | 40385  | 13.23 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.68 | 176 | 377189 | 23.33 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 33487  | 10.66 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.54 | 188 | 617061 | 26.27 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.83 | 212 | 710679 | 25.37 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.78 | 264 | 805774 | 26.93 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |              | Ovalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 44) Dimethylphthalate          | 14.14 | 163 | 164007  | 9.089 ng/ul  | 98     |
| 76) Fluoranthene               | 19.50 | 202 | 116687m | 3.768 ng/ul  |        |
| 79) Pyrene                     | 19.86 | 202 | 112746  | 3.339 ng/ul  | 97     |
| 82) Benzo(a)anthracene         | 21.71 | 228 | 130692  | 3.755 ng/ul  | 98     |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 40809   | 2.251 ng/ul  | 98     |
| 84) Chrysene                   | 21.78 | 228 | 122475  | 3.771 ng/ul  | 96     |
| 87) Benzo(b)fluoranthene       | 23.96 | 252 | 128620  | 3.578 ng/ul# | 97     |
| 88) Benzo(k)fluoranthene       | 24.02 | 252 | 53091m  | 1.536 ng/ul  |        |
| 90) Benzo(a)pyrene             | 24.84 | 252 | 98755   | 2.883 ng/ul  | 99     |
| 91) Indeno(1,2,3-cd)pyrene     | 28.73 | 276 | 46234   | 1.157 ng/ul# | 93     |
| 93) Benzo(g,h,i)perylene       | 29.89 | 276 | 37929   | 1.137 ng/ul  | 99     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

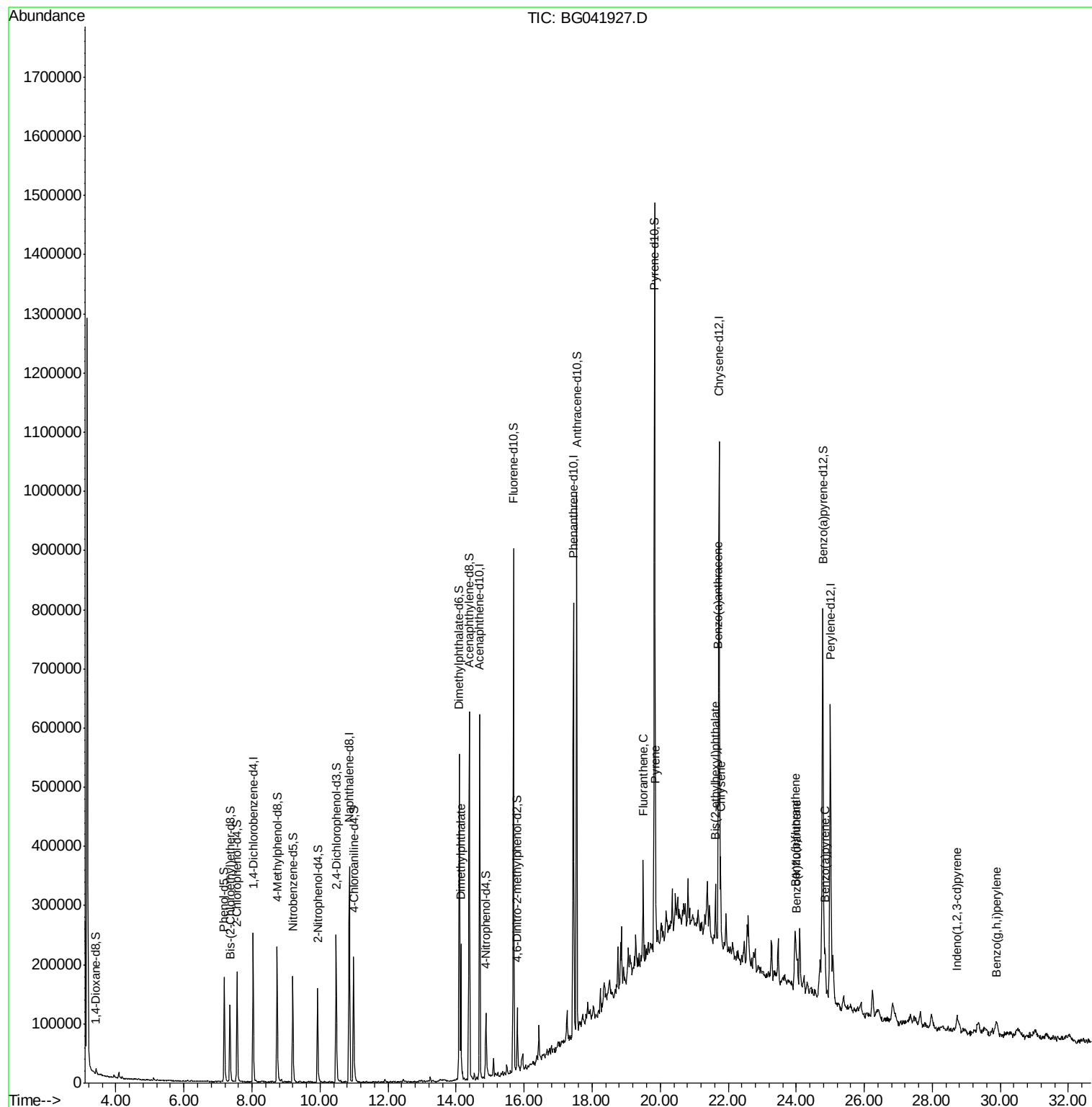
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
Data File : BG041927.D  
Acq On : 4 Aug 2019 4:10  
Operator : HP/JU  
Sample : K3962-04  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

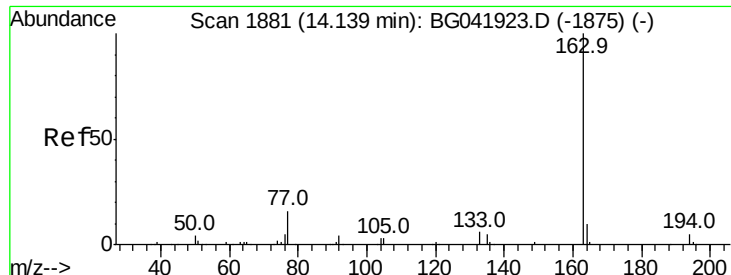
Instrument :  
BNA\_G  
ClientSampleId :  
BEP33

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Quant Time: Aug 04 08:24:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Aug 04 03:32:07 2019  
Response via : Initial Calibration





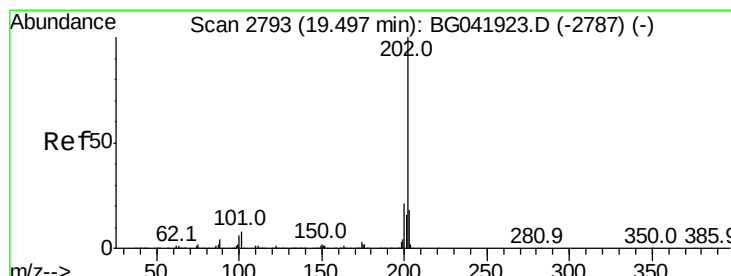
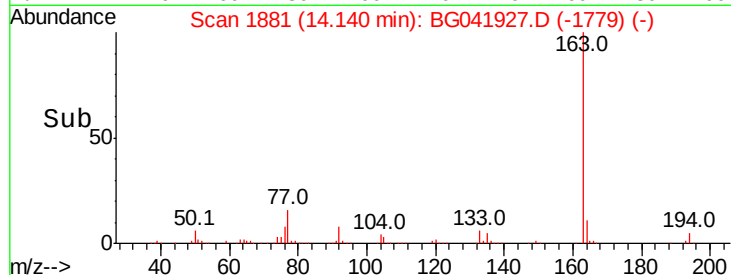
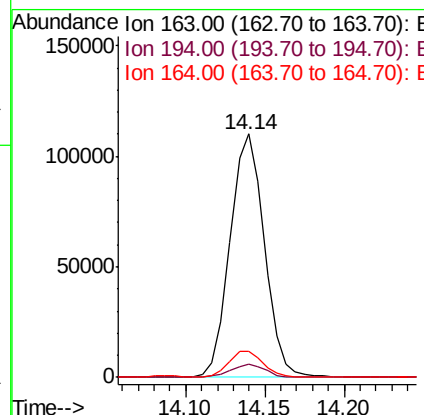
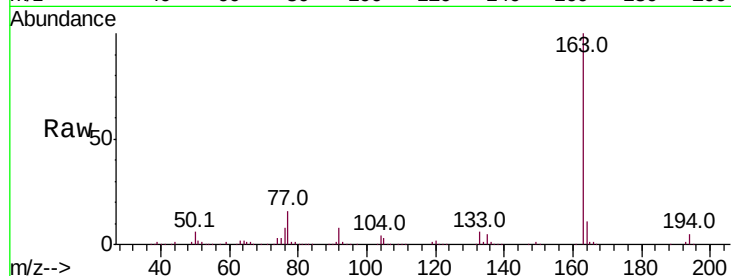
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 Dimethylphthalate  
 Concen: 9.089 ng/ul  
 RT: 14.14 min Scan# 1881  
 Delta R.T. 0.00 min  
 Lab File: BG041927.D  
 Acq: 4 Aug 2019 4:10

Instrument :  
 BNA\_G  
 ClientSampled :  
 BEP33

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 164007 |       |       |
| 194     | 5.5   |        | 4.2   | 6.2   |
| 164     | 10.5  |        | 7.8   | 11.8  |

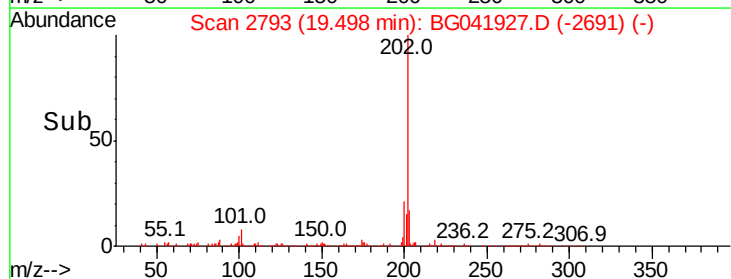
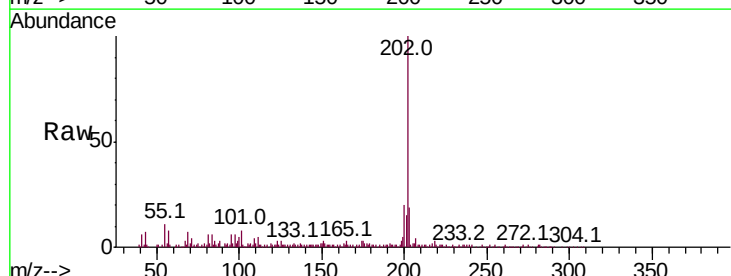
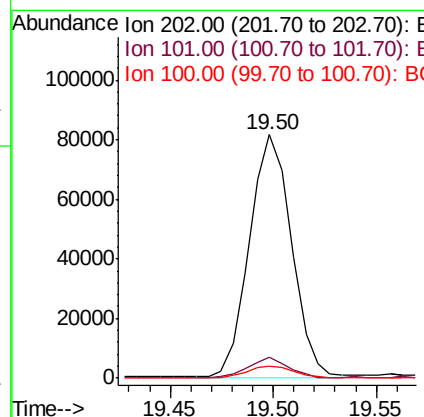
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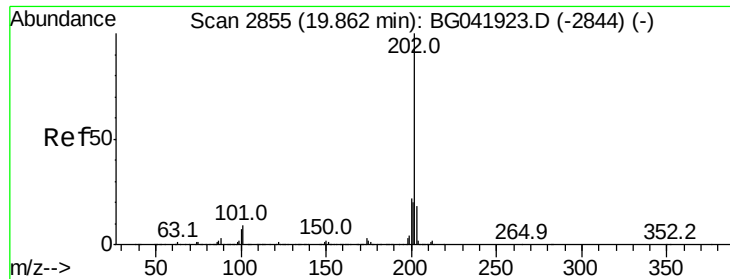
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#76  
 Fluoranthene  
 Concen: 3.768 ng/ul m  
 RT: 19.50 min Scan# 2793  
 Delta R.T. 0.00 min  
 Lab File: BG041927.D  
 Acq: 4 Aug 2019 4:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 116687 |       |       |
| 101     | 8.4   |        | 6.7   | 10.1  |
| 100     | 5.2   |        | 5.3   | 7.9#  |





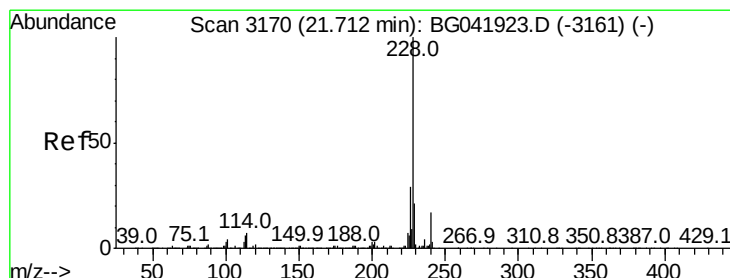
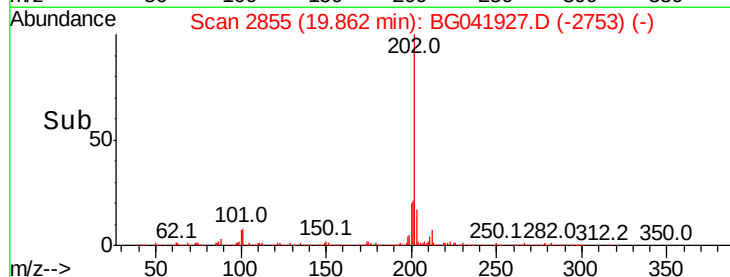
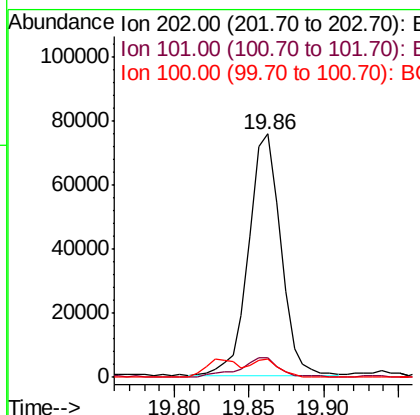
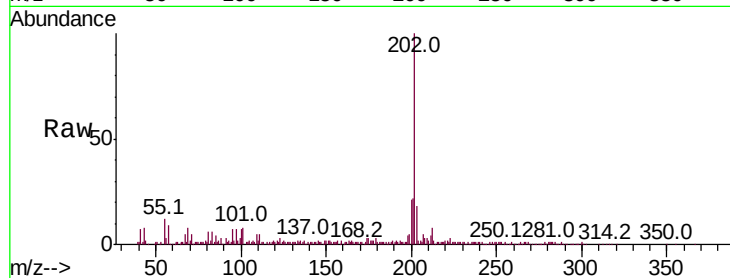
#79  
Pvrene  
Concen: 3.339 ng/ul  
RT: 19.86 min Scan# 2855  
Delta R.T. 0.00 min  
Lab File: BG041927.D  
Acq: 4 Aug 2019 4:10

Instrument :  
BNA\_G  
ClientSampled :  
BEP33

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 8.3   | 7.6        | 11.4  |
| 100     | 7.4   | 6.5        | 9.7   |

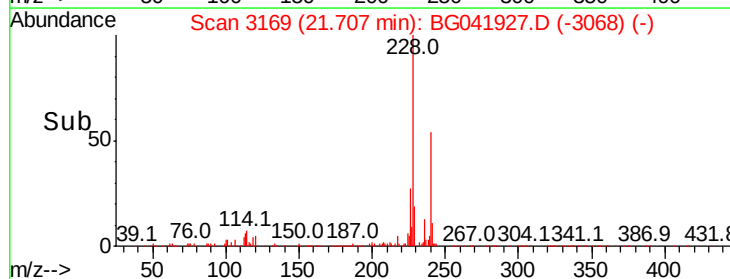
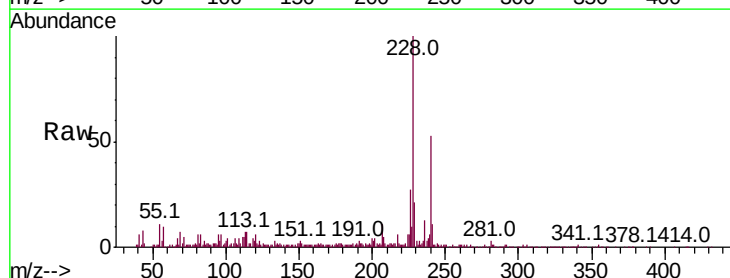
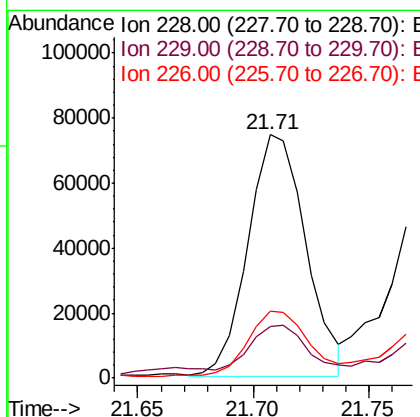
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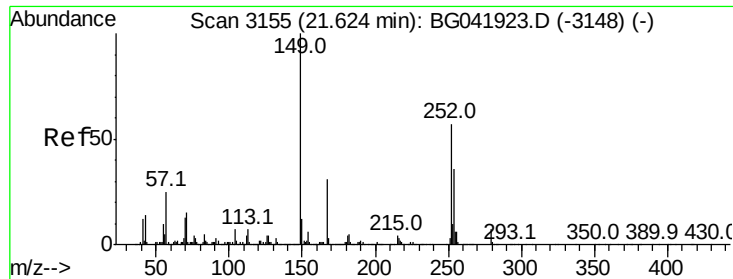
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#82  
Benzo(a)anthracene  
Concen: 3.755 ng/ul  
RT: 21.71 min Scan# 3169  
Delta R.T. -0.01 min  
Lab File: BG041927.D  
Acq: 4 Aug 2019 4:10

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 21.0  | 17.0       | 25.6  |
| 226     | 27.4  | 23.3       | 34.9  |





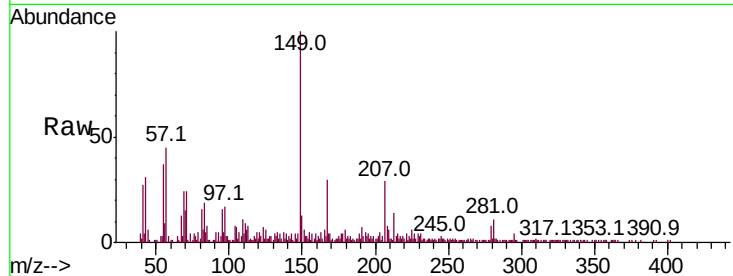
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.251 ng/ul  
 RT: 21.63 min Scan# 3155  
 Delta R.T. 0.00 min  
 Lab File: BG041927.D  
 Acq: 4 Aug 2019 4:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEP33

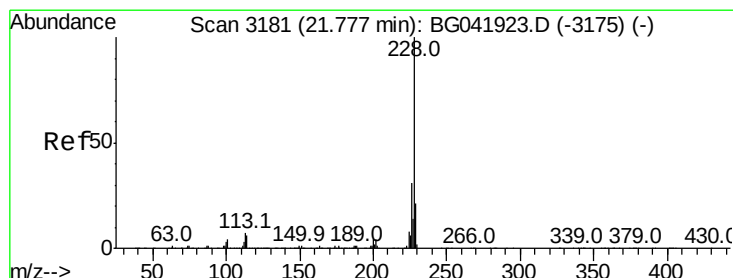
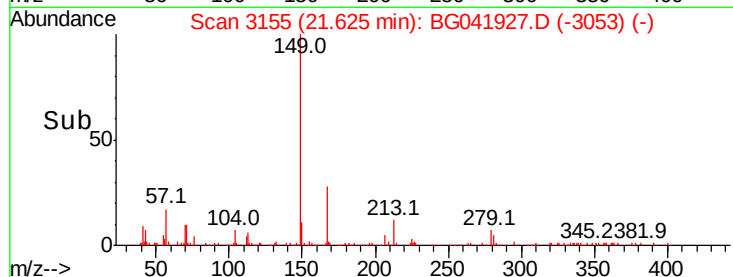
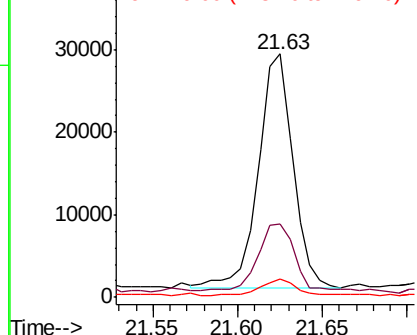
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.0  | 25.0  | 37.4  |
| 279     | 7.7   | 5.2   | 7.8   |

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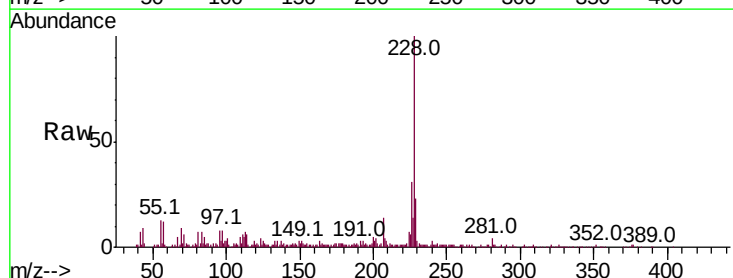


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

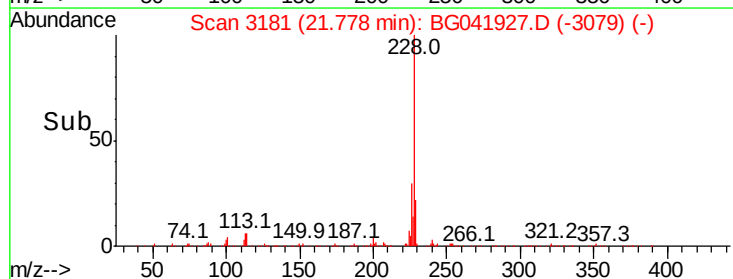
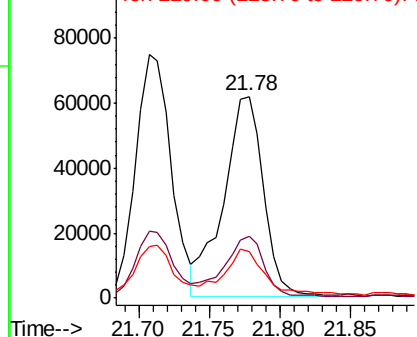


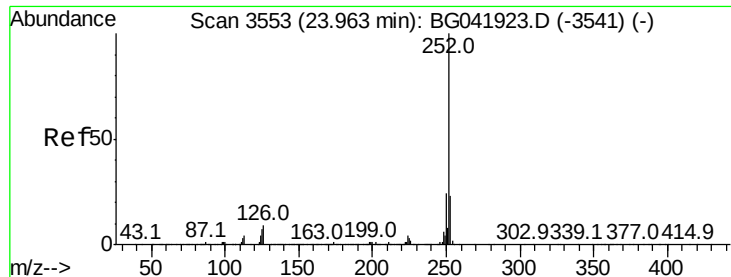
#84  
 Chrysene  
 Concen: 3.771 ng/ul  
 RT: 21.78 min Scan# 3181  
 Delta R.T. 0.00 min  
 Lab File: BG041927.D  
 Acq: 4 Aug 2019 4:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 25.7  | 38.5  |
| 229     | 23.2  | 16.6  | 24.8  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 3.578 ng/ul

RT: 23.96 min Scan# 3553

Delta R.T. 0.00 min

Lab File: BG041927.D

Acq: 4 Aug 2019 4:10

Instrument :

BNA\_G

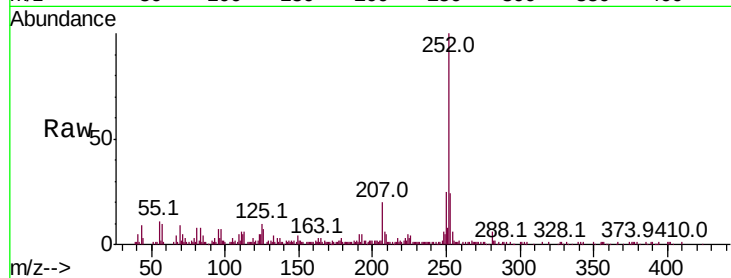
ClientSampleId :

BEP33

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 18.4  | 27.6  |
| 125     | 9.6   | 5.8   | 8.8#  |

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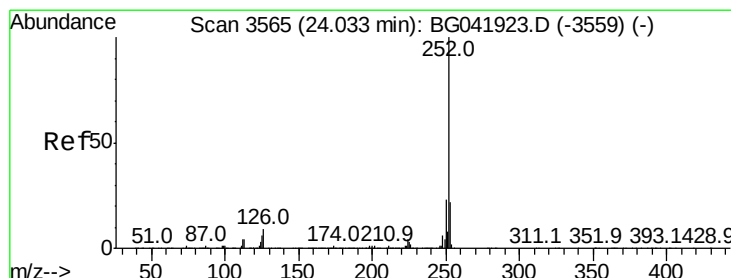
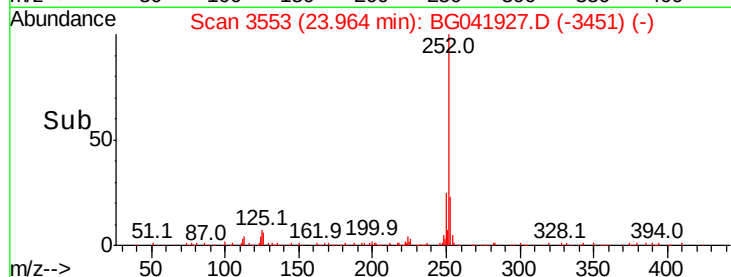
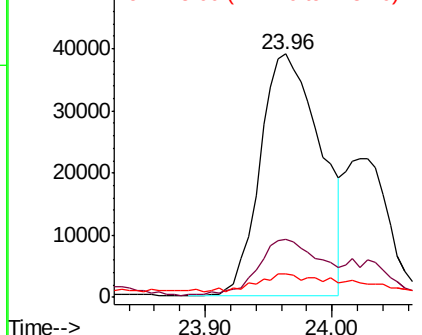


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 1.536 ng/ul m

RT: 24.02 min Scan# 3563

Delta R.T. -0.01 min

Lab File: BG041927.D

Acq: 4 Aug 2019 4:10

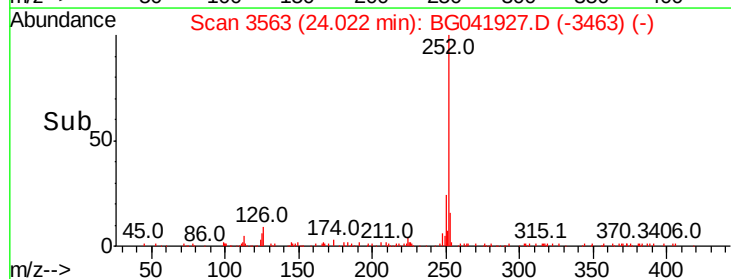
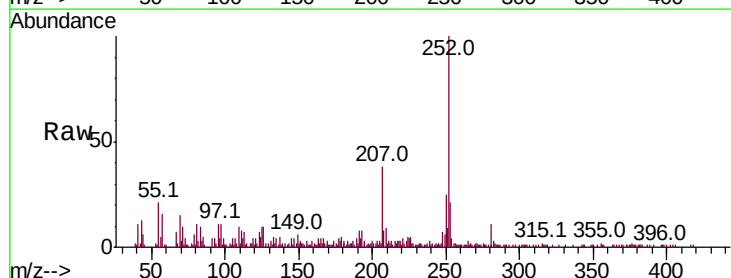
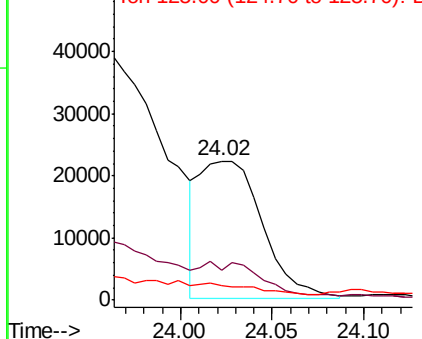
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 18.3  | 27.5  |
| 125     | 10.2  | 5.5   | 8.3#  |

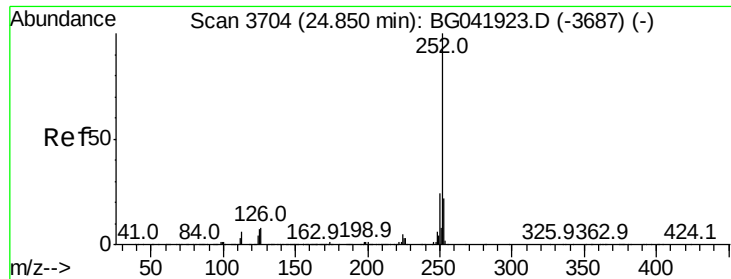
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





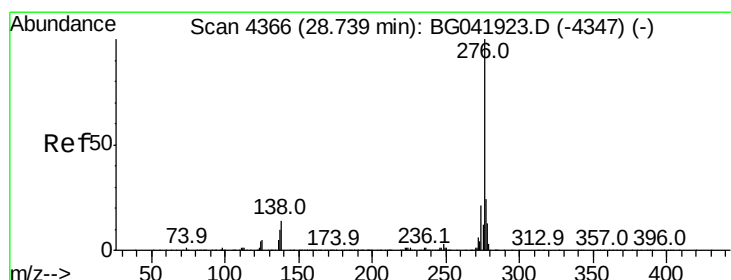
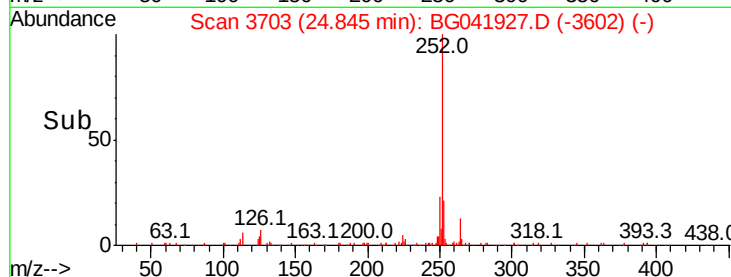
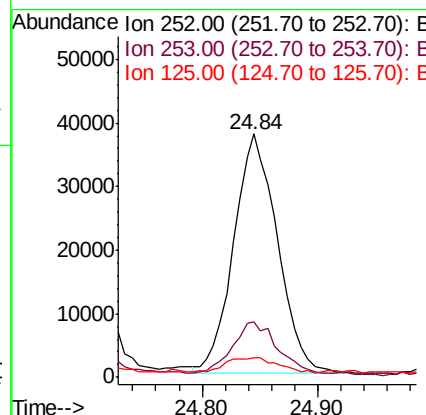
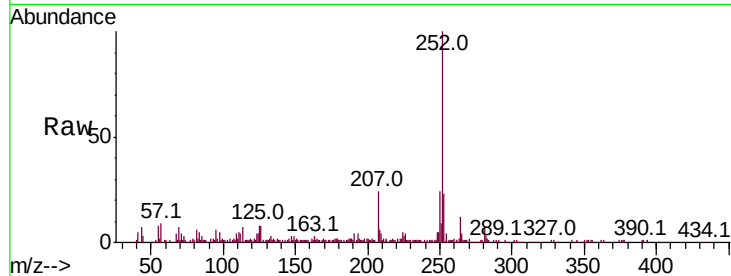
#90  
Benzo(a)pyrene  
Concen: 2.883 ng/ul  
RT: 24.84 min Scan# 3703  
Delta R.T. -0.01 min  
Lab File: BG041927.D  
Acq: 4 Aug 2019 4:10

Instrument :  
BNA\_G  
ClientSampled :  
BEP33

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.3  | 27.5  |
| 125     | 7.8   | 6.5   | 9.7   |

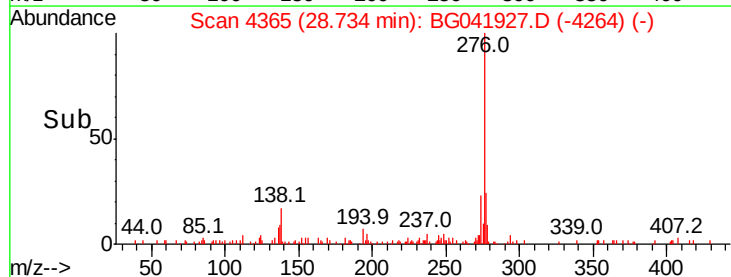
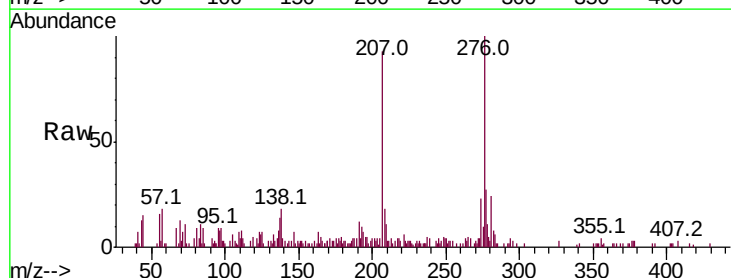
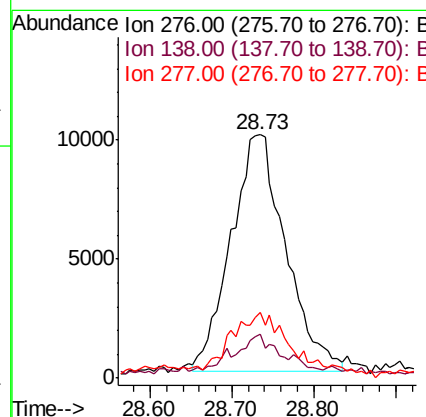
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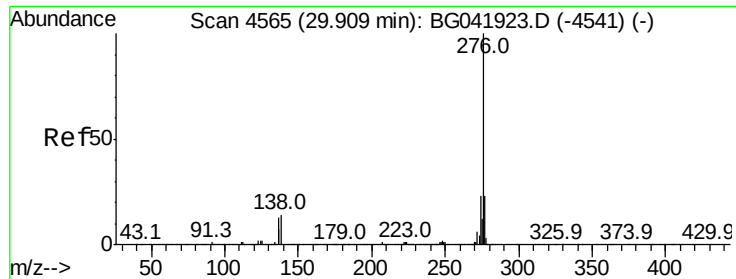
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#91  
Indeno(1,2,3-cd)pyrene  
Concen: 1.157 ng/ul  
RT: 28.73 min Scan# 4365  
Delta R.T. -0.01 min  
Lab File: BG041927.D  
Acq: 4 Aug 2019 4:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.1  | 12.0  | 18.0# |
| 277     | 27.1  | 19.2  | 28.8  |





#93

Benzo(a,h,i)perylene

Concen: 1.137 ng/ul

RT: 29.89 min Scan# 4562

Delta R.T. -0.02 min

Lab File: BG041927.D

Acq: 4 Aug 2019 4:10

Instrument :

BNA\_G

ClientSampleId :

BEP33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 37929 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 16.2  | 12.6  | 18.8  |
| 277       | 23.3  | 19.2  | 28.8  |

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