

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG080915\  
 Data File : BG018343.D  
 Acq On : 10 Aug 2015 00:12  
 Operator : UM/TP  
 Sample : G3095-05RX  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01R4RX

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2015 7:26:27 PM

Quant Time: Aug 13 17:55:10 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 10 07:50:23 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 127764   | 20.00 | ng/ul | 0.02     |
| 18) Naphthalene-d8        | 10.88 | 136  | 560042   | 20.00 | ng/ul | 0.02     |
| 36) Acenaphthene-d10      | 14.70 | 164  | 314147   | 20.00 | ng/ul | 0.02     |
| 62) Phenanthrene-d10      | 17.44 | 188  | 628553   | 20.00 | ng/ul | 0.02     |
| 78) Chrysene-d12          | 21.72 | 240  | 539234   | 20.00 | ng/ul | 0.03     |
| 86) Perylene-d12          | 25.01 | 264  | 559550   | 20.00 | ng/ul | 0.09     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96  | 6994   | 2.42  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.23  | 99  | 208767 | 18.00 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 127965 | 17.81 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.61  | 132 | 162704 | 18.32 | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 161505 | 16.58 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 9.23  | 128 | 82602  | 18.92 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.96  | 143 | 88388  | 19.88 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.50 | 165 | 179970 | 19.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.01 | 131 | 60829  | 5.70  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.10 | 166 | 519267 | 19.65 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.39 | 160 | 672717 | 20.21 | ng/ul | 0.02 |
| 52) 4-Nitrophenol-d4           | 14.87 | 143 | 63267  | 13.31 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.68 | 176 | 448417 | 19.48 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.79 | 200 | 22987  | 7.44  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.54 | 188 | 613704 | 20.41 | ng/ul | 0.02 |
| 79) Pyrene-d10                 | 19.83 | 212 | 571913 | 20.44 | ng/ul | 0.02 |
| 90) Benzo(a)pyrene-d12         | 24.78 | 264 | 587482 | 19.78 | ng/ul | 0.07 |

## Target Compounds

|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 6) Phenol                      | 7.26  | 94  | 14575   | 1.23 ng/ul   | 93     |
| 14) Acetophenone               | 8.90  | 105 | 23065   | 1.64 ng/ul   | 87     |
| 16) 4-Methylphenol             | 8.84  | 108 | 16310   | 1.63 ng/ul   | 94     |
| 28) Naphthalene                | 10.93 | 128 | 169980  | 5.74 ng/ul   | 97     |
| 34) 2-Methylnaphthalene        | 12.53 | 142 | 79062   | 3.69 ng/ul   | 92     |
| 45) Dimethylphthalate          | 14.14 | 163 | 308763  | 11.84 ng/ul  | 98     |
| 48) Acenaphthylene             | 14.43 | 152 | 33965   | 1.02 ng/ul#  | 93     |
| 50) Acenaphthene               | 14.76 | 153 | 95355   | 4.07 ng/ul   | 92     |
| 54) Dibenzofuran               | 15.09 | 168 | 92561   | 3.02 ng/ul#  | 85     |
| 57) Diethylphthalate           | 15.50 | 149 | 40611   | 1.47 ng/ul#  | 97     |
| 59) Fluorene                   | 15.74 | 166 | 116503  | 4.43 ng/ul   | 99     |
| 70) Phenanthrene               | 17.49 | 178 | 1467793 | 43.04 ng/ul  | 96     |
| 72) Anthracene                 | 17.58 | 178 | 405742  | 11.67 ng/ul  | 98     |
| 75) Carbazole                  | 17.83 | 167 | 244367  | 8.02 ng/ul#  | 96     |
| 76) Di-n-butylphthalate        | 18.40 | 149 | 559706  | 14.06 ng/ul  | 98     |
| 77) Fluoranthene               | 19.50 | 202 | 2139015 | 58.73 ng/ul# | 94     |
| 80) Pyrene                     | 19.86 | 202 | 1927421 | 52.86 ng/ul  | 95     |
| 81) Butylbenzylphthalate       | 20.74 | 149 | 243396  | 15.78 ng/ul# | 81     |
| 83) Benzo(a)anthracene         | 21.70 | 228 | 1170960 | 35.02 ng/ul# | 93     |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 958633  | 43.99 ng/ul# | 98     |
| 85) Chrysene                   | 21.77 | 228 | 1217135 | 38.93 ng/ul  | 96     |
| 88) Benzo(b)fluoranthene       | 23.97 | 252 | 1919125 | 54.59 ng/ul# | 90     |
| 89) Benzo(k)fluoranthene       | 24.03 | 252 | 599967m | 17.72 ng/ul  |        |

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

Manual Integrations  
APPROVED

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8/10/2015 7:26:27 PM

Quant Time: Aug 13 17:55:10 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 10 07:50:23 2015  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 91) Benzo(a)pyrene         | 24.86 | 252  | 1229347  | 36.78 | ng/ul# | 91       |
| 92) Indeno(1,2,3-cd)pyrene | 28.76 | 276  | 889185   | 22.99 | ng/ul  | 94       |
| 93) Dibenzo(a,h)anthracene | 28.81 | 278  | 217220m  | 6.76  | ng/ul  |          |
| 94) Benzo(g,h,i)perylene   | 29.94 | 276  | 820899   | 25.27 | ng/ul  | 95       |

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

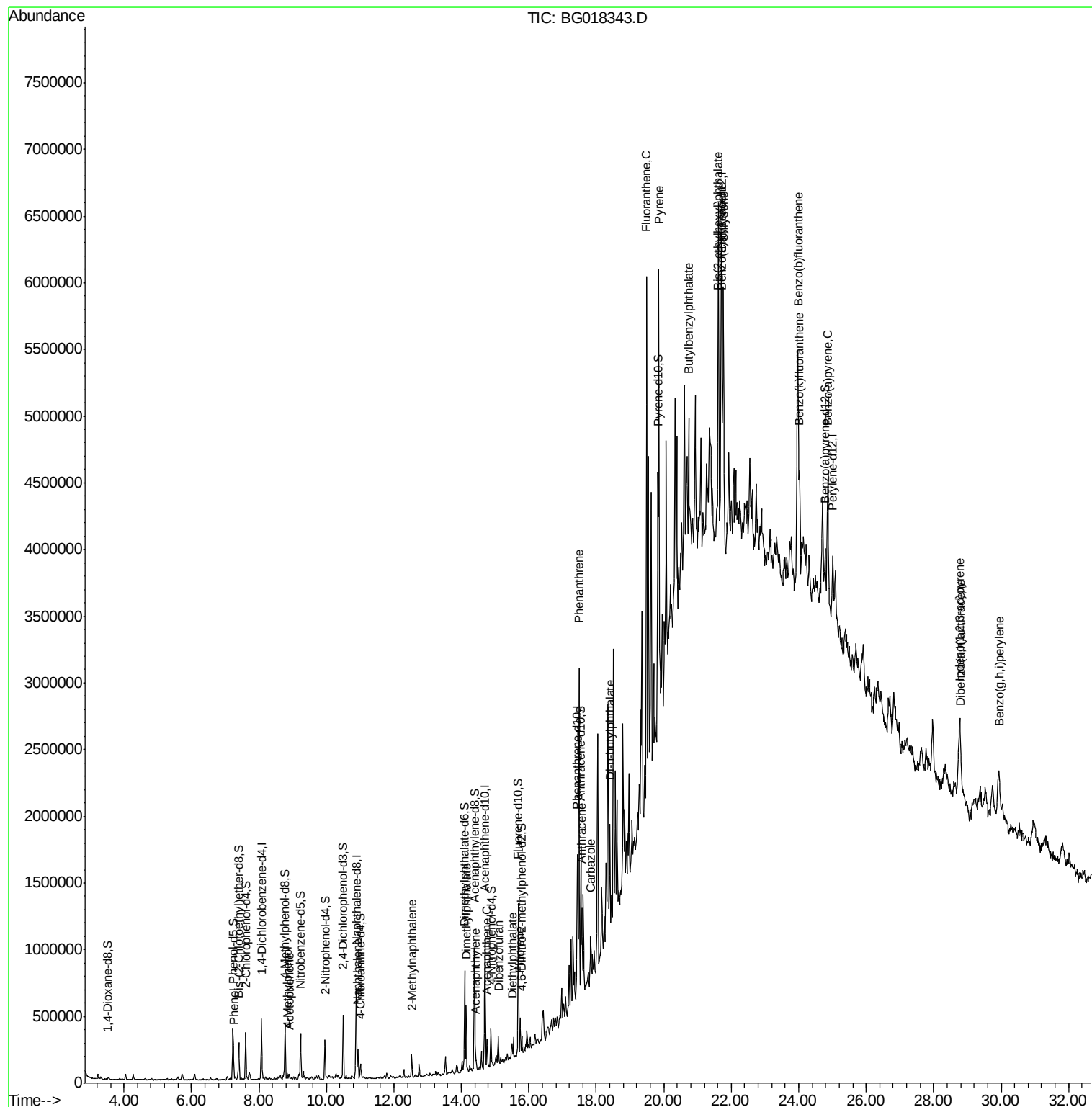
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG080915\  
Data File : BG018343.D  
Acq On : 10 Aug 2015 00:12  
Operator : UM/TP  
Sample : G3095-05RX  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

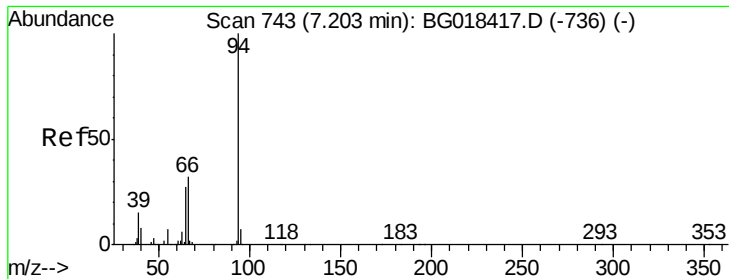
Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

Manual Integrations  
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MMDadoda  
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Quant Time: Aug 13 17:55:10 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 10 07:50:23 2015  
Response via : Initial Calibration





#6

Phenol

Concen: 1.23 ng/ul

RT: 7.26 min Scan# 752

Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

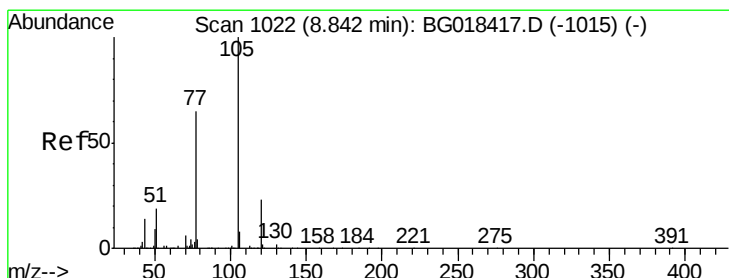
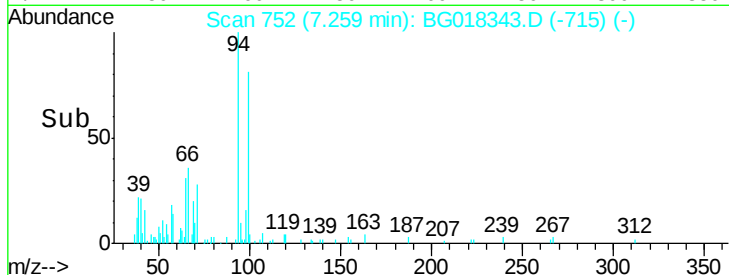
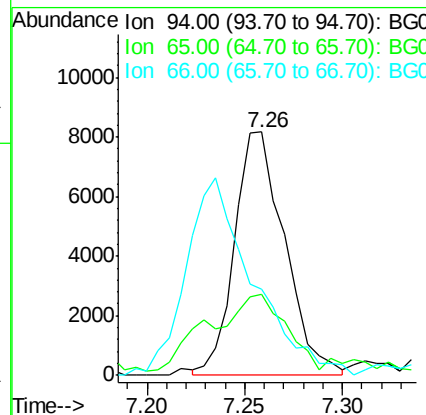
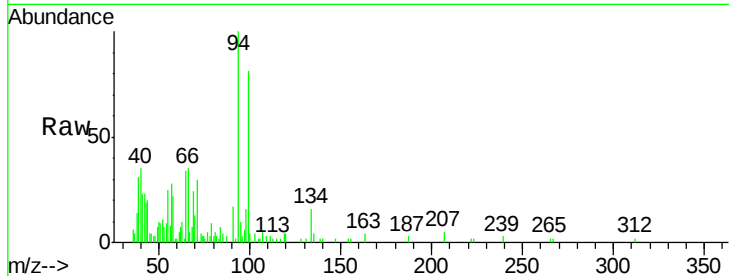
ClientSampleId :

C01R4RX

Manual Integrations  
APPROVED

MMDadoda  
8/10/2015 7:26:27 PM

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 94      | 100   | 14575 |       |       |
| 65      | 33.5  | 23.0  | 34.6  |       |
| 66      | 35.2  | 31.0  | 46.4  |       |



#14

Acetophenone

Concen: 1.64 ng/ul

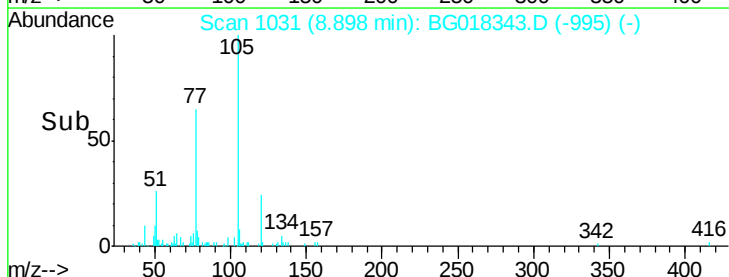
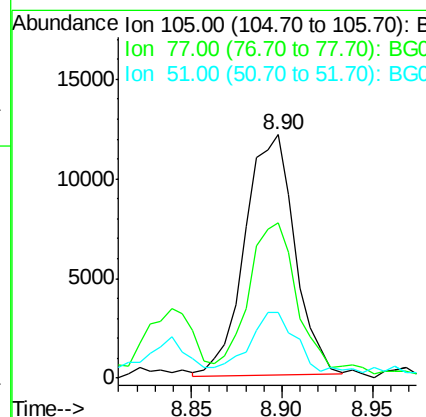
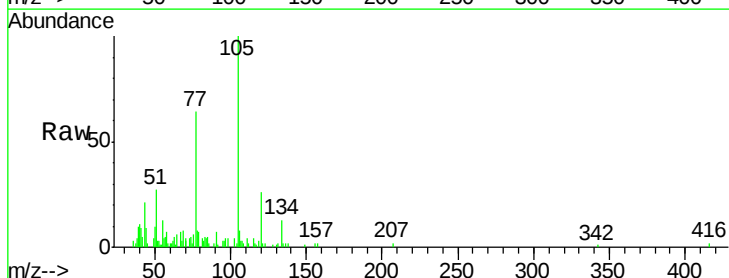
RT: 8.90 min Scan# 1031

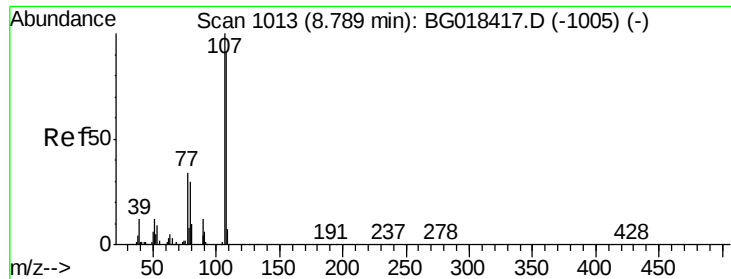
Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 23065 |       |       |
| 77      | 64.0  | 61.9  | 92.9  |       |
| 51      | 27.1  | 25.5  | 38.3  |       |





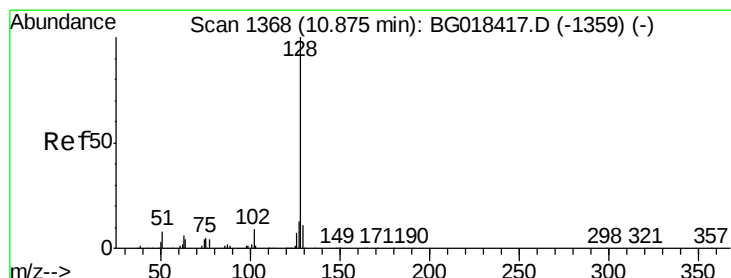
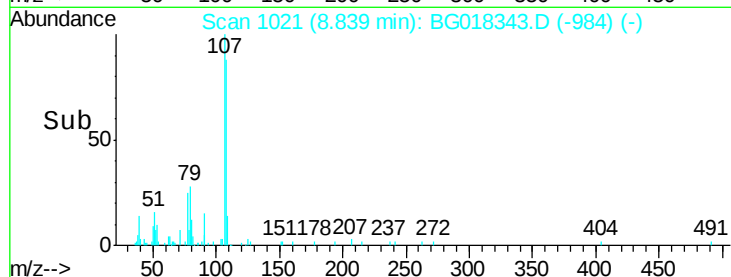
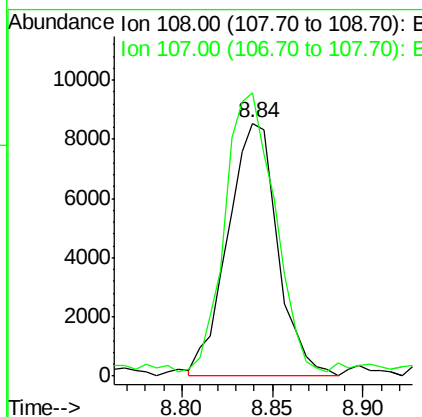
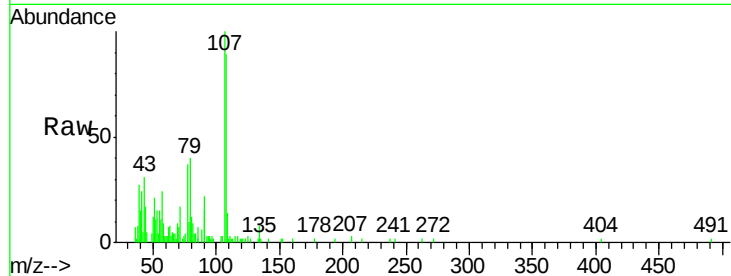
#16  
4-Methylphenol  
Concen: 1.63 ng/ul  
RT: 8.84 min Scan# 1021  
Delta R.T. 0.02 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 108     | 100   | 16310 |       |       |
| 107     | 112.0 | 94.6  | 142.0 |       |

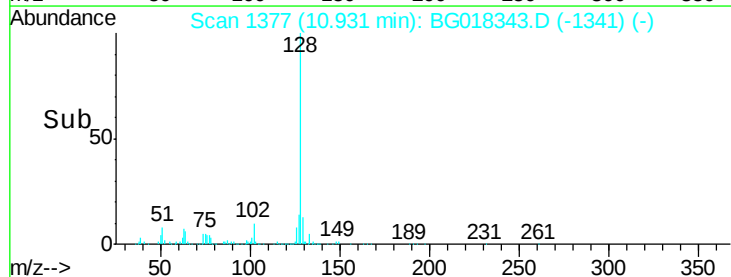
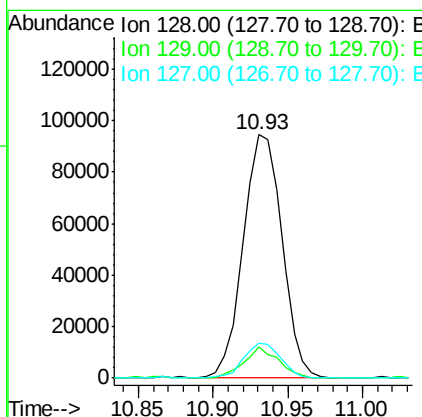
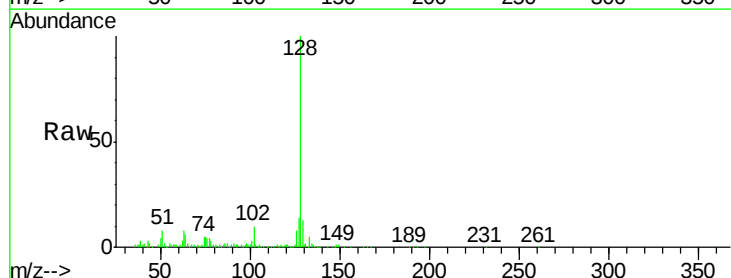
Manual Integrations  
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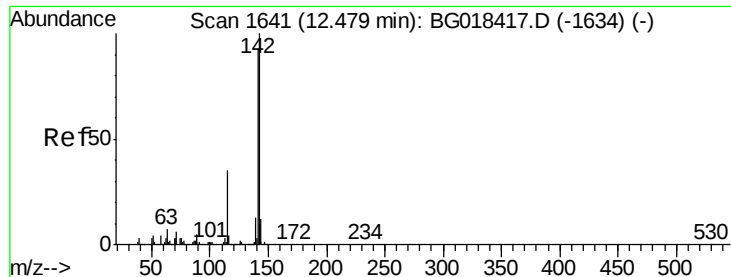
MMDadoda  
8/10/2015 7:26:27 PM



#28  
Naphthalene  
Concen: 5.74 ng/ul  
RT: 10.93 min Scan# 1377  
Delta R.T. 0.01 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 169980 |       |       |
| 129     | 12.9  | 9.6    | 14.4  |       |
| 127     | 14.3  | 10.5   | 15.7  |       |





#34

2-Methylnaphthalene

Concen: 3.69 ng/ul

RT: 12.53 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

ClientSampleId :

C01R4RX

Tgt Ion:142 Resp: 79062

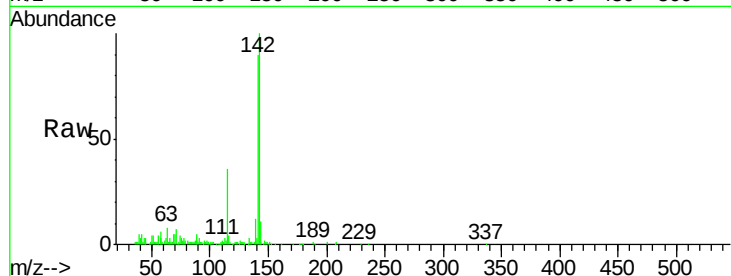
Ion Ratio Lower Upper

142 100

141 90.0 78.0 117.0

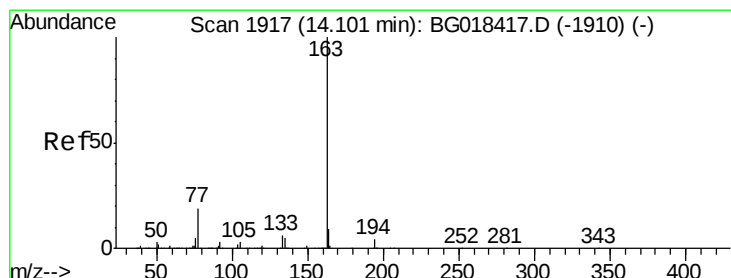
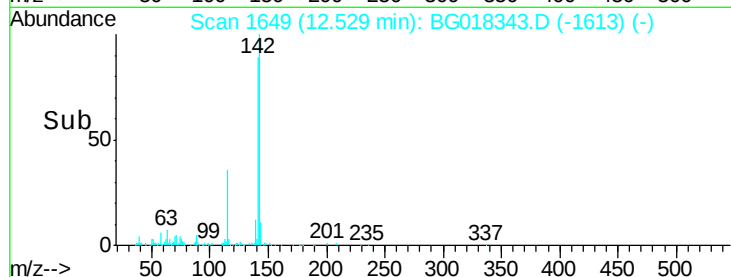
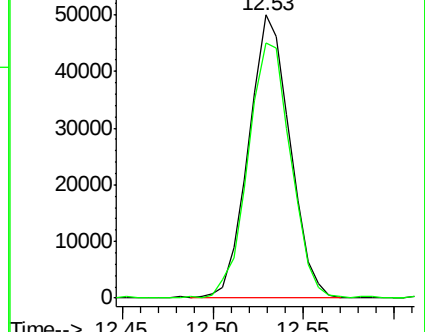
Manual Integrations  
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#45

Dimethylphthalate

Concen: 11.84 ng/ul

RT: 14.14 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

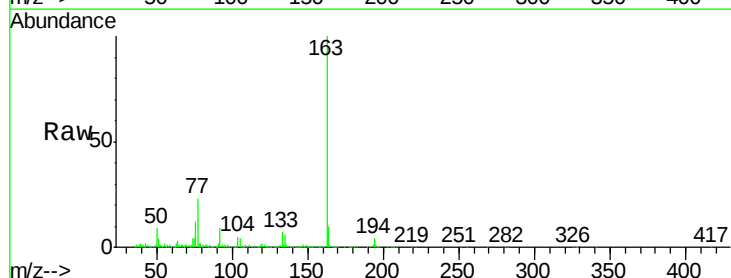
Tgt Ion:163 Resp: 308763

Ion Ratio Lower Upper

163 100

194 4.1 2.9 4.3

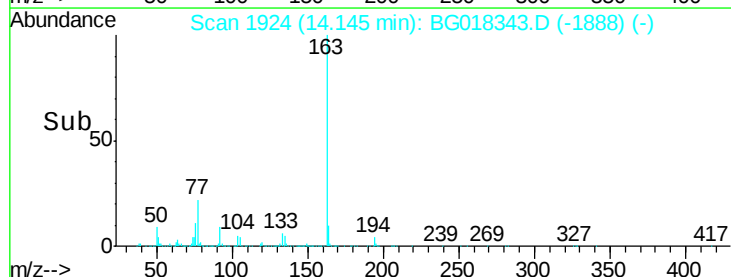
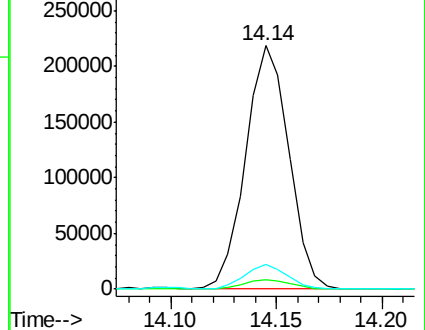
164 10.3 7.7 11.5

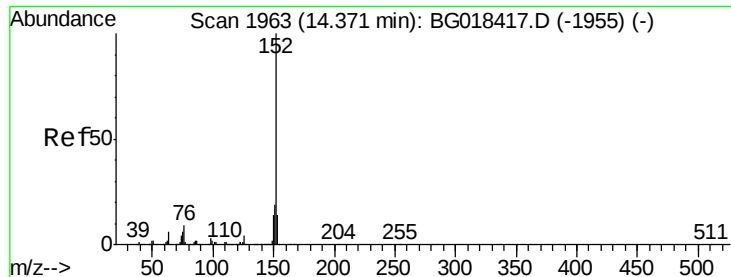


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.02 ng/ul

RT: 14.43 min Scan# 1972

Delta R.T. 0.02 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

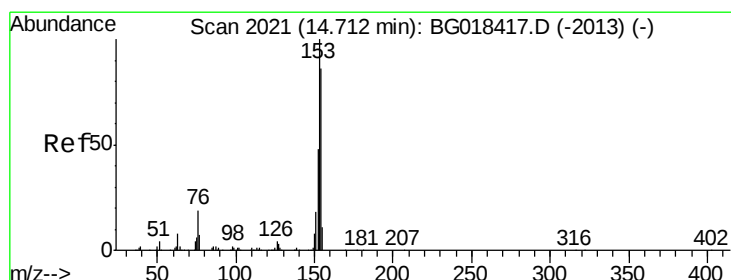
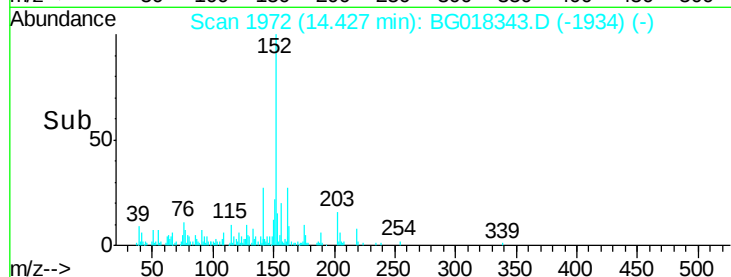
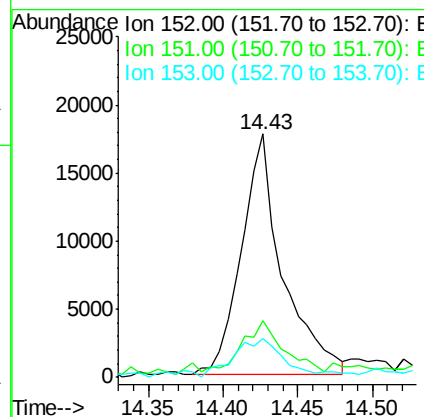
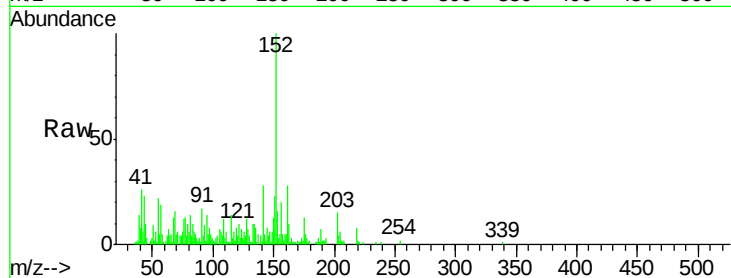
ClientSampleId :

C01R4RX

Manual Integrations  
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8/10/2015 7:26:27 PM

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 33965 |       |       |
| 151     | 23.3  | 15.4  | 23.2# |       |
| 153     | 15.7  | 10.8  | 16.2  |       |



#50

Acenaphthene

Concen: 4.07 ng/ul

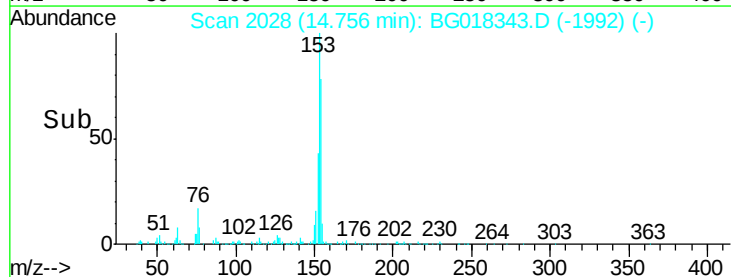
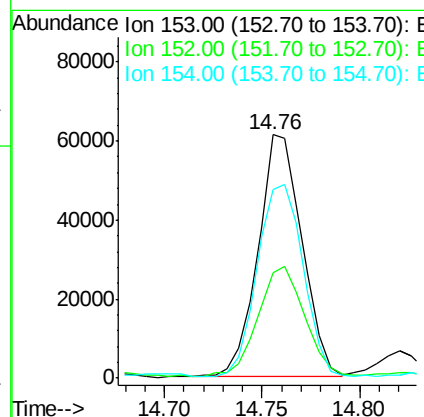
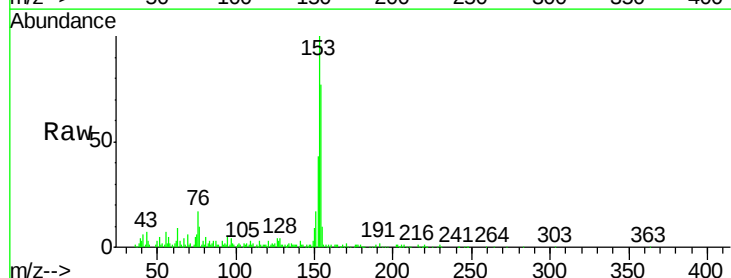
RT: 14.76 min Scan# 2028

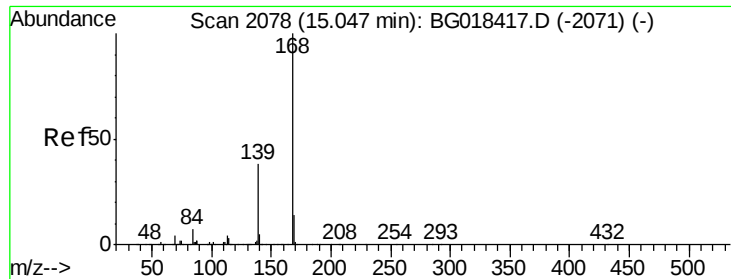
Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 153     | 100   | 95355 |       |       |
| 152     | 43.4  | 38.2  | 57.4  |       |
| 154     | 77.5  | 68.6  | 103.0 |       |





#54

Dibenzenofuran

Concen: 3.02 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

ClientSampleId :

C01R4RX

Tgt Ion:168 Resp: 92561

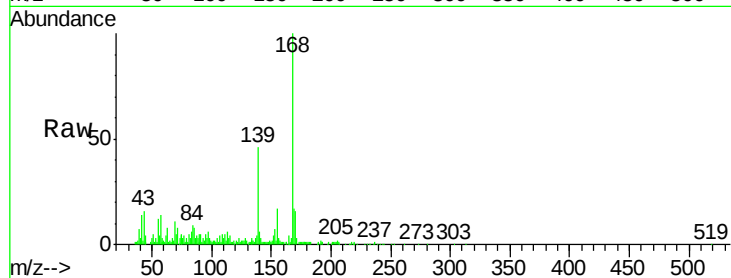
Ion Ratio Lower Upper

168 100

139 45.8 29.7 44.5#

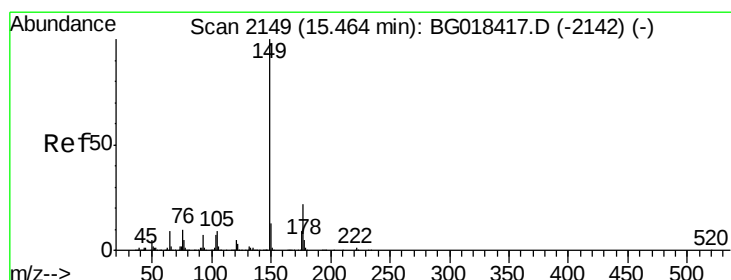
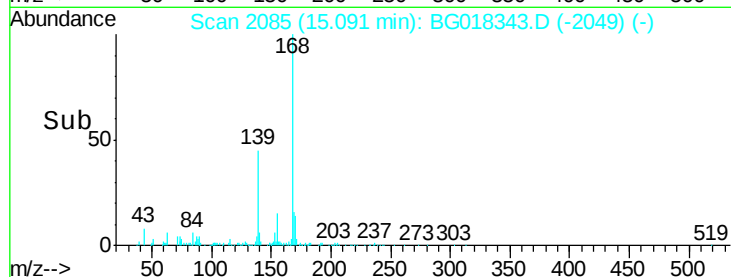
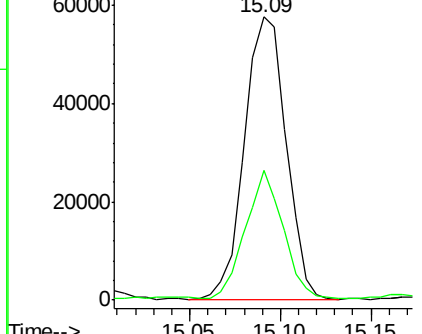
Manual Integrations  
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#57

Diethylphthalate

Concen: 1.47 ng/ul

RT: 15.50 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

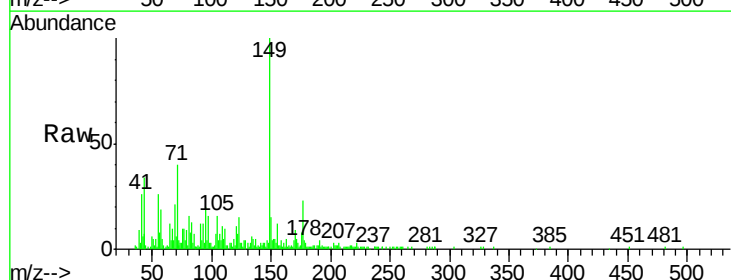
Tgt Ion:149 Resp: 40611

Ion Ratio Lower Upper

149 100

177 23.0 18.2 27.4

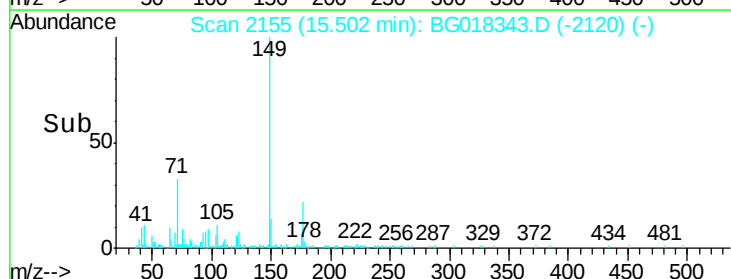
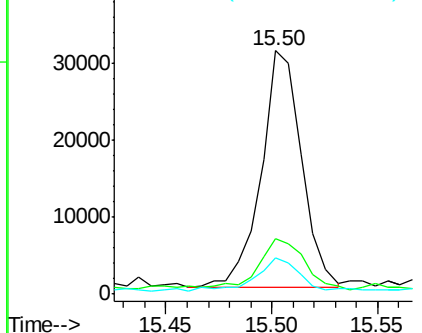
150 15.1 9.7 14.5#

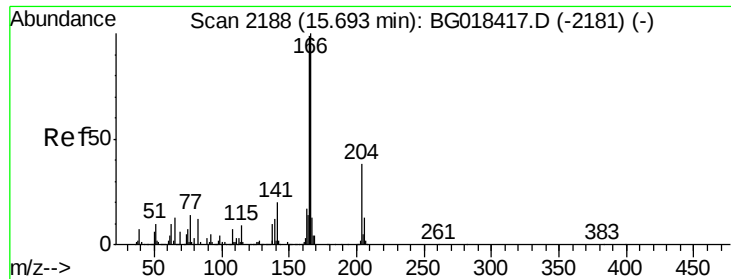


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





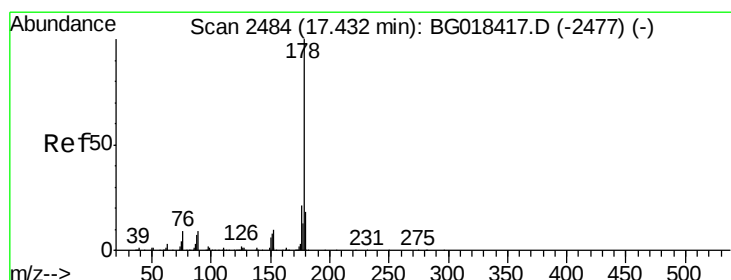
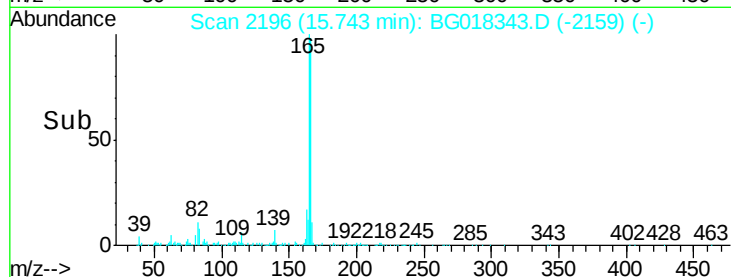
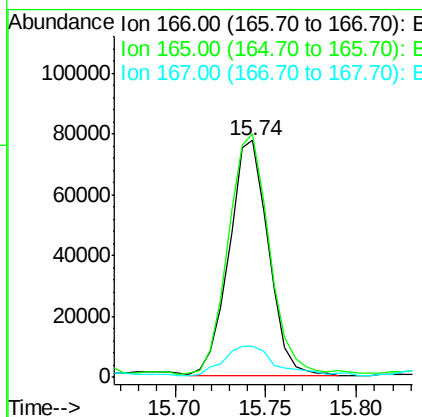
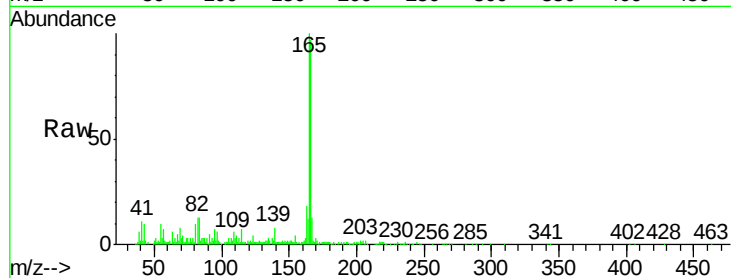
#59  
**Fluorene**  
 Concen: 4.43 ng/ul  
 RT: 15.74 min Scan# 2196  
 Delta R.T. 0.02 min  
 Lab File: BG018343.D  
 Acq: 10 Aug 2015 00:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01R4RX

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 116503 |       |       |
| 165     | 102.7 | 82.6   | 124.0 |       |
| 167     | 12.9  | 11.4   | 17.0  |       |

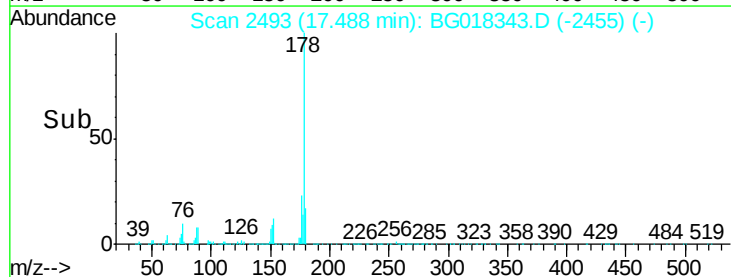
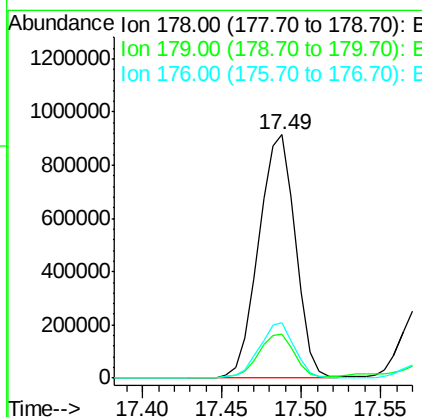
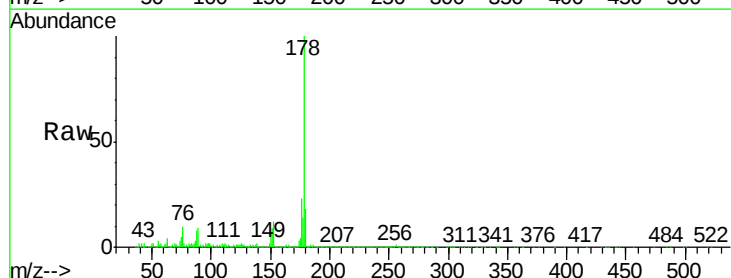
Manual Integrations  
 APPROVED

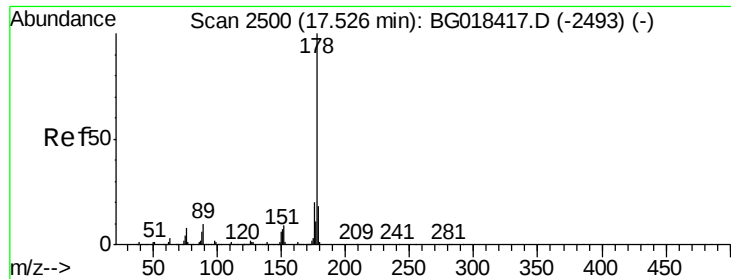
MMDadoda  
 8/10/2015 7:26:27 PM



#70  
**Phenanthrene**  
 Concen: 43.04 ng/ul  
 RT: 17.49 min Scan# 2493  
 Delta R.T. 0.02 min  
 Lab File: BG018343.D  
 Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1467793 |       |       |
| 179     | 18.3  | 13.7    | 20.5  |       |
| 176     | 22.7  | 16.6    | 24.8  |       |





#72

Anthracene

Concen: 11.67 ng/ul

RT: 17.58 min Scan# 2508

Delta R.T. 0.02 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

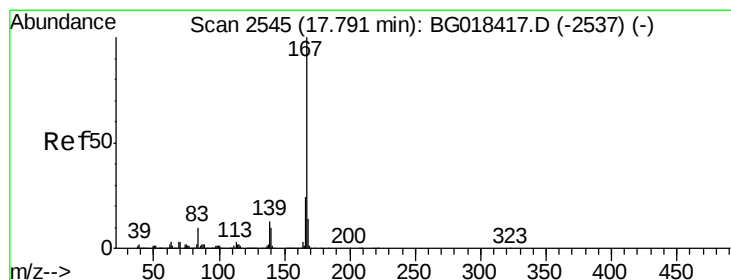
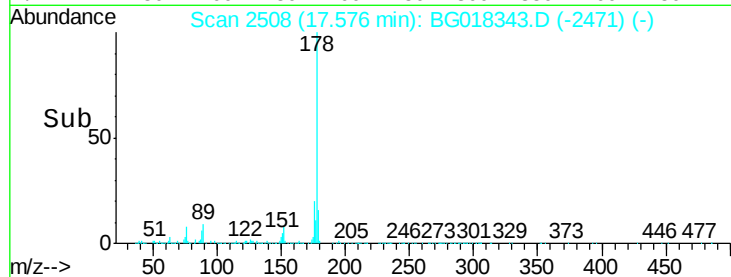
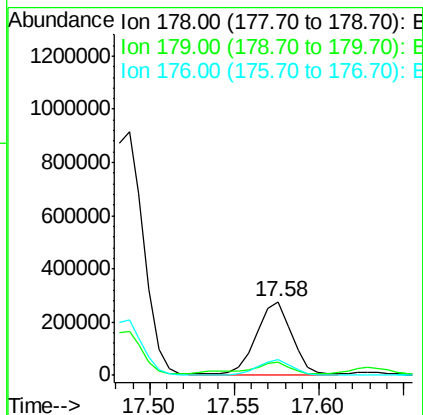
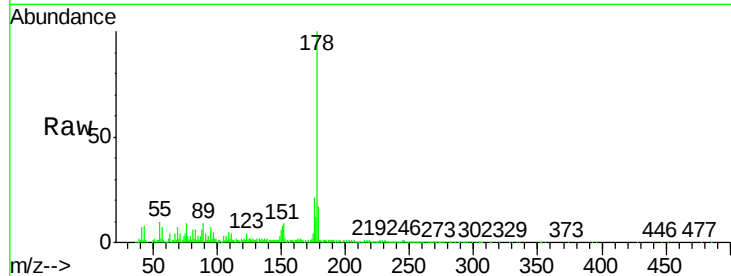
ClientSampled :

C01R4RX

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 405742 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 17.2  | 13.0  | 19.4   |
| 176       | 20.7  | 16.0  | 24.0   |

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8/10/2015 7:26:27 PM



#75

Carbazole

Concen: 8.02 ng/ul

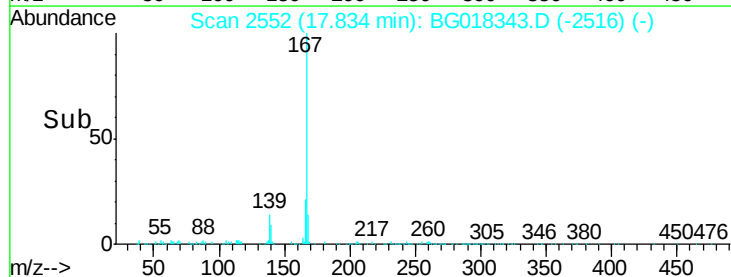
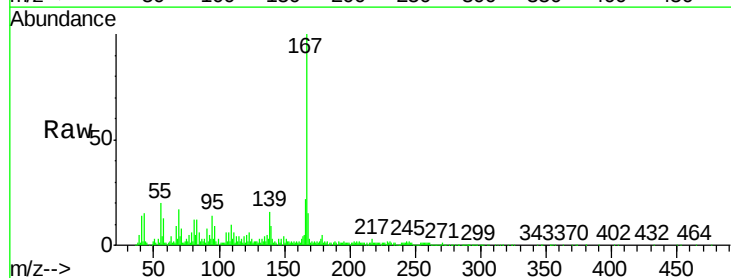
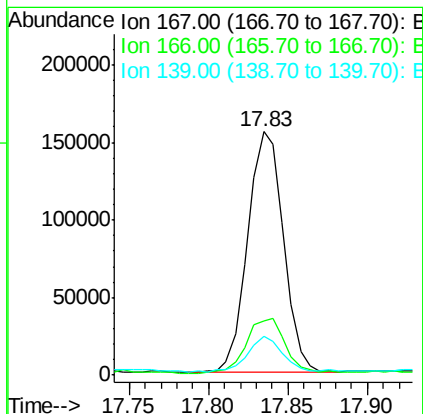
RT: 17.83 min Scan# 2552

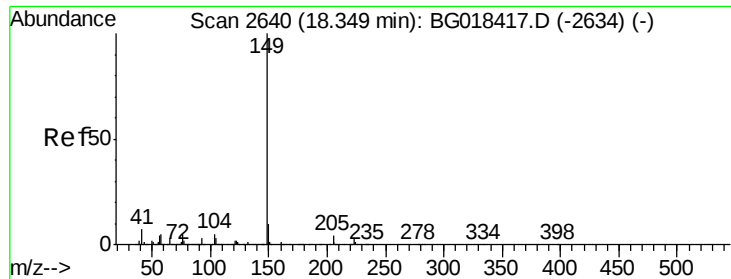
Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 167   | Resp: | 244367 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.4  | 18.9  | 28.3   |
| 139       | 15.7  | 10.1  | 15.1#  |





#76

Di-n-butylphthalate

Concen: 14.06 ng/ul

RT: 18.40 min Scan# 2649

Delta R.T. 0.01 min

Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

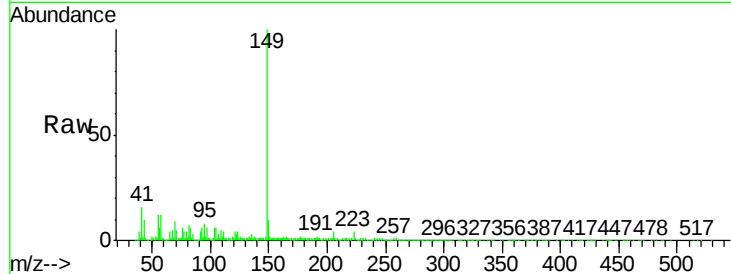
ClientSampleId :

C01R4RX

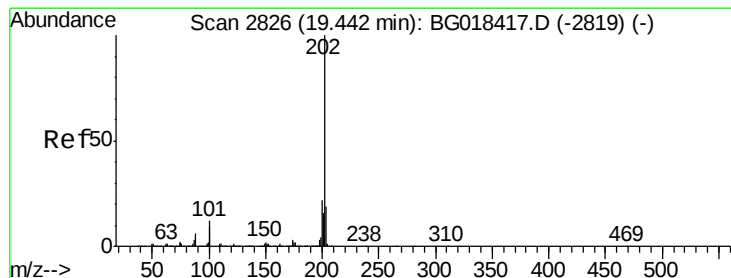
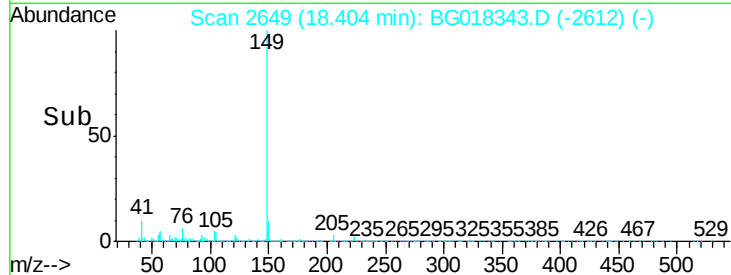
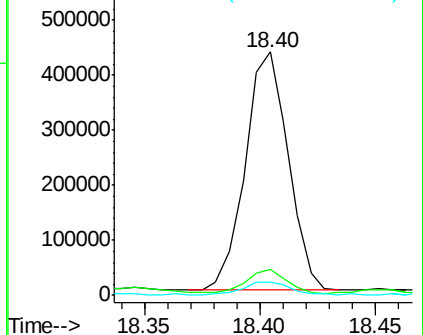
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 559706 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 10.4  | 7.5   | 11.3   |
| 104       | 5.6   | 4.3   | 6.5    |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 58.73 ng/ul

RT: 19.50 min Scan# 2835

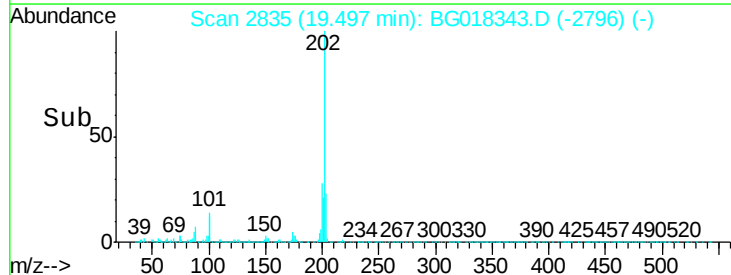
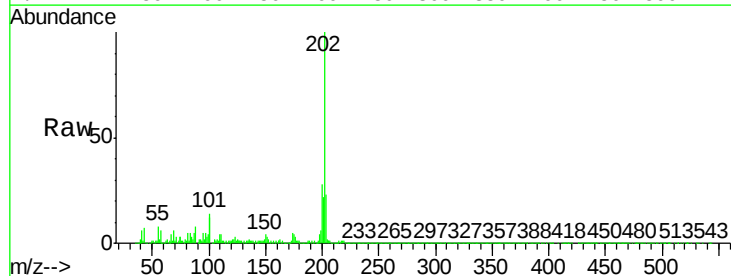
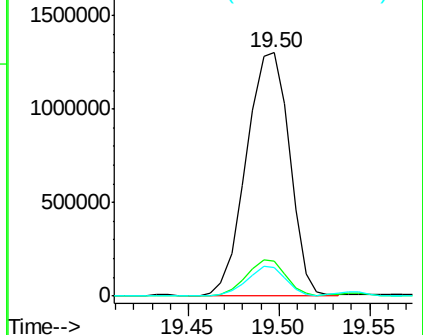
Delta R.T. 0.03 min

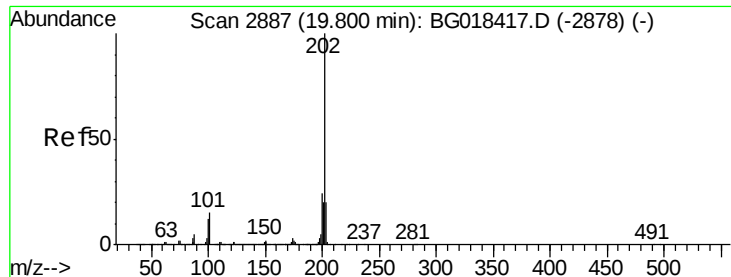
Lab File: BG018343.D

Acq: 10 Aug 2015 00:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 2139015 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 14.3  | 9.7   | 14.5    |
| 100       | 11.8  | 7.8   | 11.8#   |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B





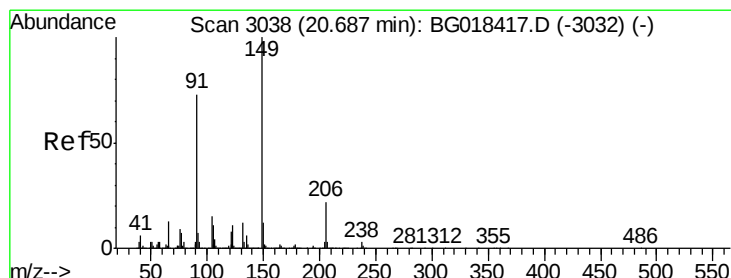
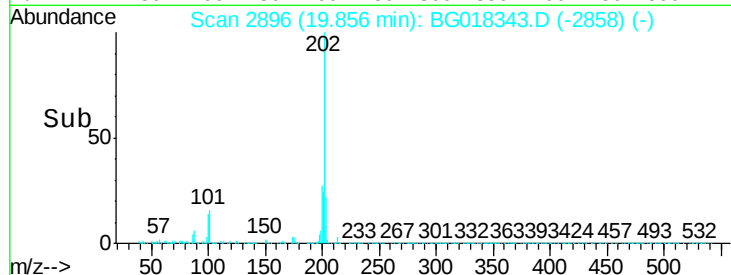
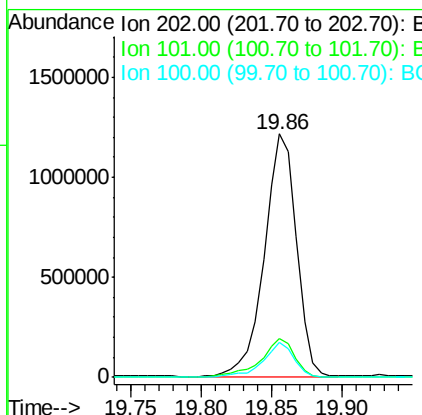
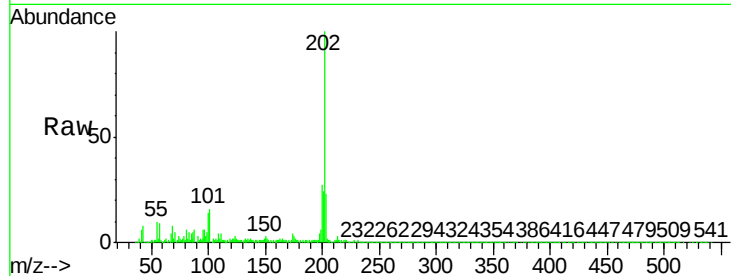
#80  
Pyrene  
Concen: 52.86 ng/ul  
RT: 19.86 min Scan# 2896  
Delta R.T. 0.02 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.8  | 11.0  | 16.4  |
| 100     | 14.3  | 9.8   | 14.6  |

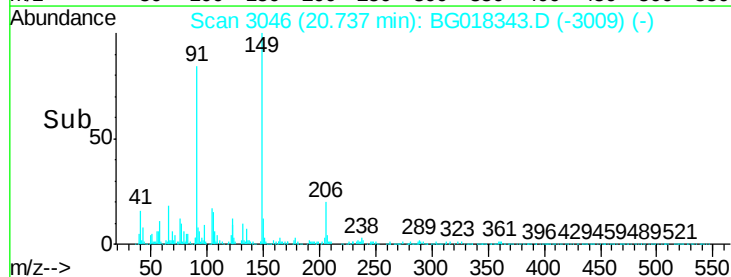
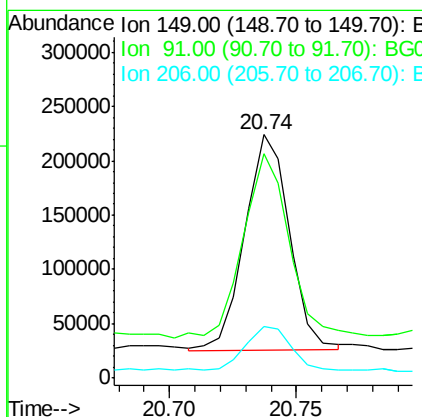
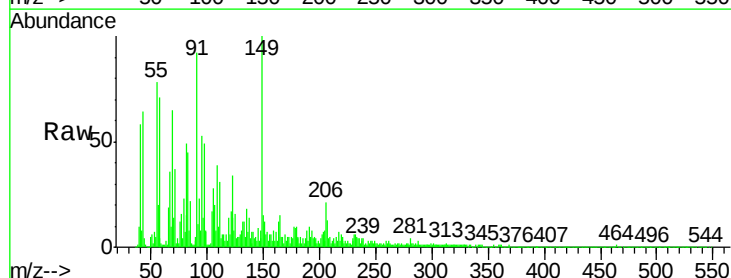
Manual Integrations  
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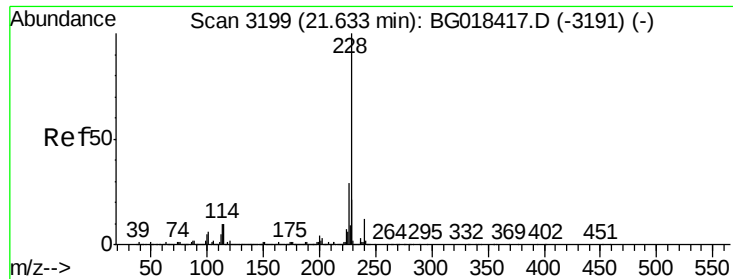
MMDadoda  
8/10/2015 7:26:27 PM



#81  
Butylbenzylphthalate  
Concen: 15.78 ng/ul  
RT: 20.74 min Scan# 3046  
Delta R.T. 0.02 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 92.3  | 57.9  | 86.9# |
| 206     | 21.1  | 17.9  | 26.9  |





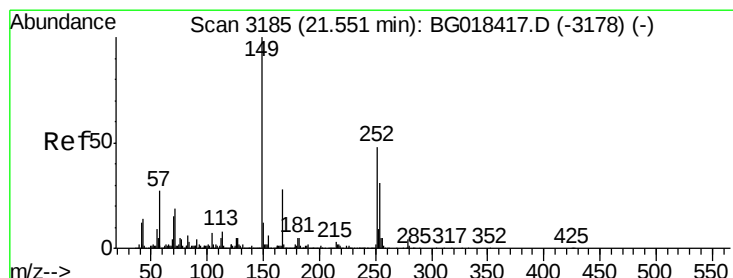
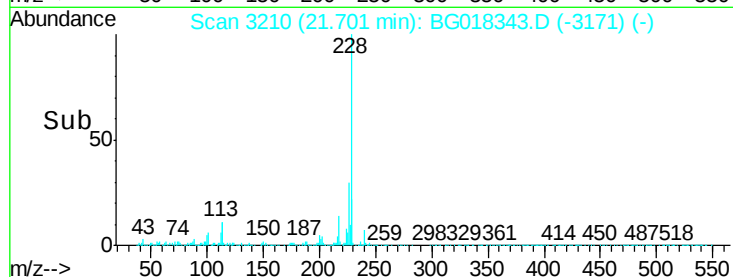
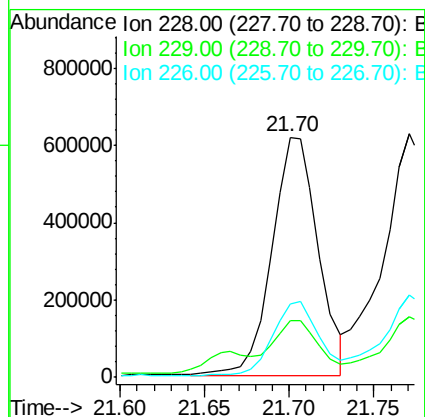
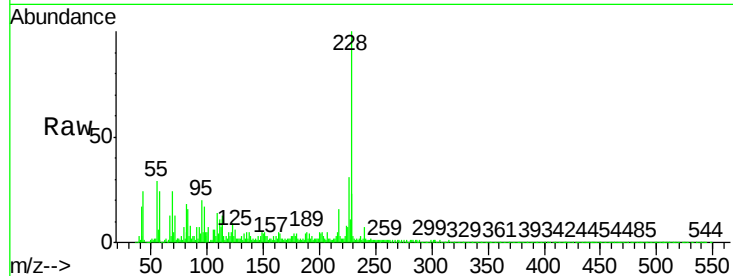
#83  
Benzo(a)anthracene  
Concen: 35.02 ng/ul  
RT: 21.70 min Scan# 3210  
Delta R.T. 0.03 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 23.4  | 15.5  | 23.3# |
| 226     | 30.8  | 22.1  | 33.1  |

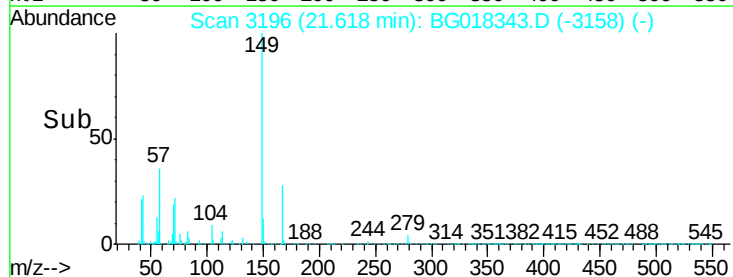
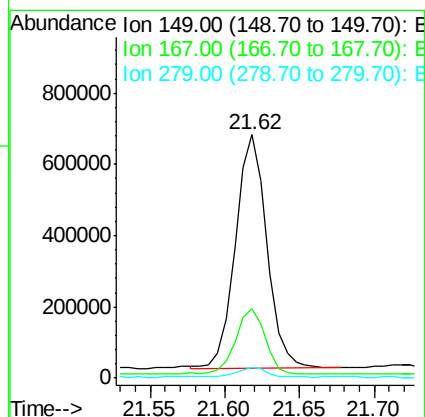
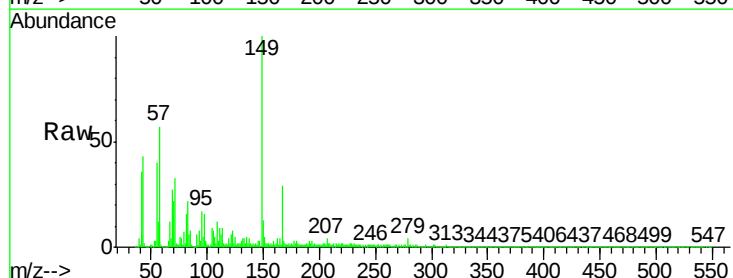
Manual Integrations  
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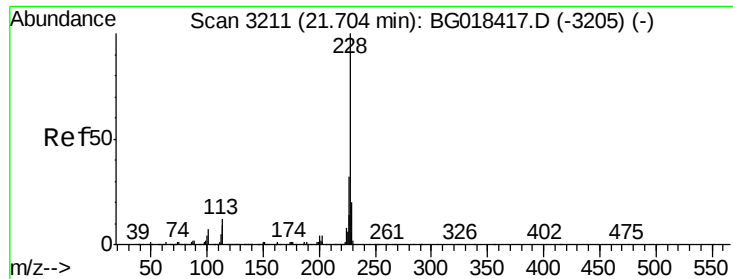
MMDadoda  
8/10/2015 7:26:27 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.99 ng/ul  
RT: 21.62 min Scan# 3196  
Delta R.T. 0.02 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.7  | 22.2  | 33.2  |
| 279     | 4.2   | 2.8   | 4.2#  |





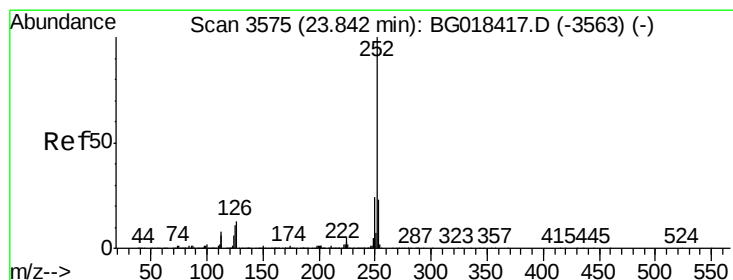
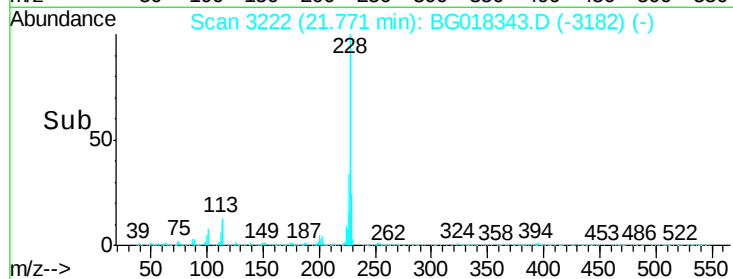
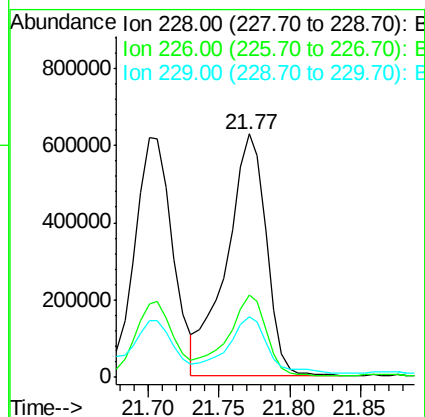
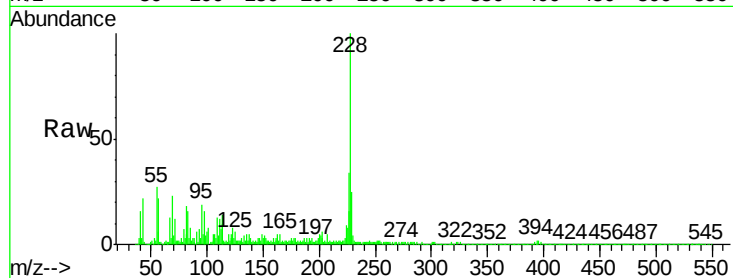
#85  
Chrysene  
Concen: 38.93 ng/ul  
RT: 21.77 min Scan# 3222  
Delta R.T. 0.03 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.1  | 26.5  | 39.7  |
| 229     | 24.9  | 16.9  | 25.3  |

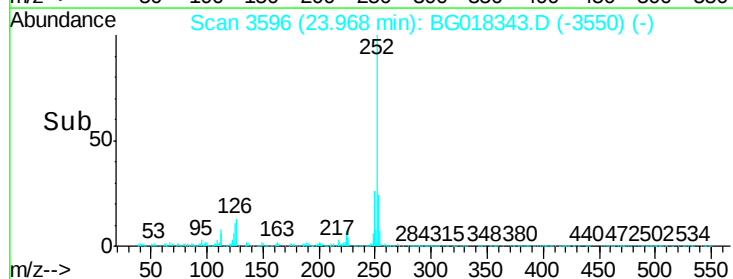
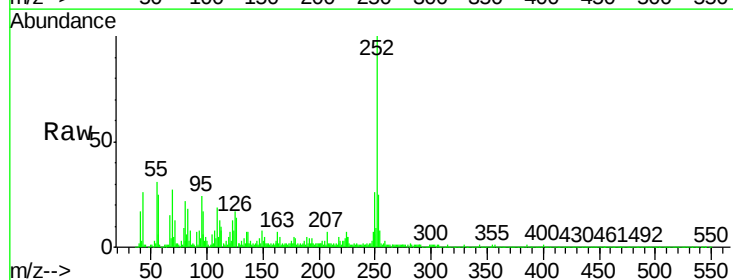
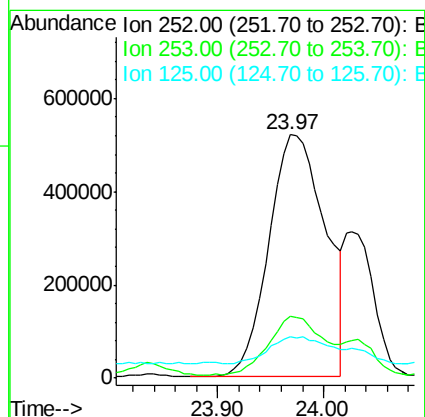
Manual Integrations  
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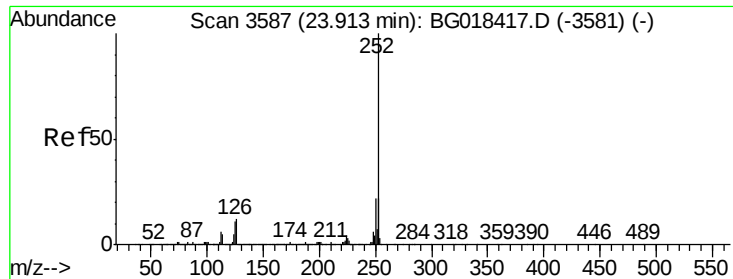
MMDadoda  
8/10/2015 7:26:27 PM



#88  
Benzo(b)fluoranthene  
Concen: 54.59 ng/ul  
RT: 23.97 min Scan# 3596  
Delta R.T. 0.07 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 18.1  | 27.1  |
| 125     | 17.2  | 8.3   | 12.5# |





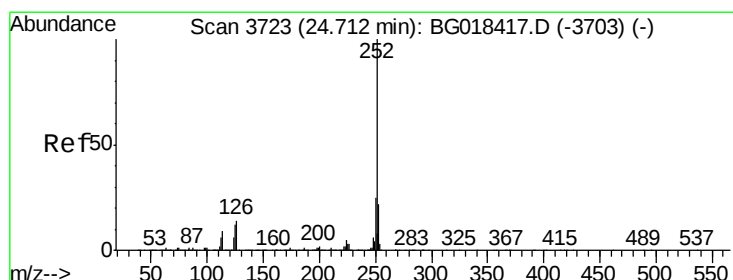
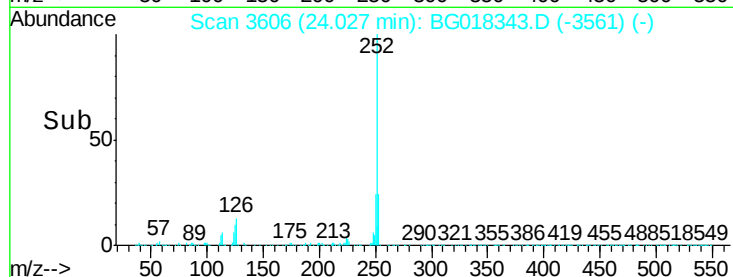
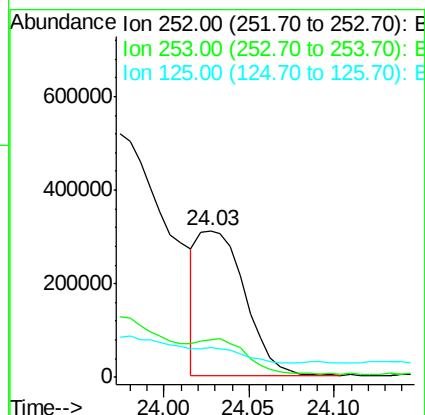
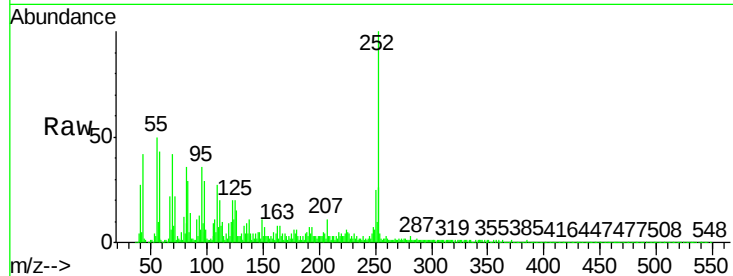
#89  
Benzo(k)fluoranthene  
Concen: 17.72 ng/ul m  
RT: 24.03 min Scan# 3606  
Delta R.T. 0.06 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
C01R4RX

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.9  | 17.8  | 26.6  |
| 125     | 20.1  | 9.0   | 13.4# |

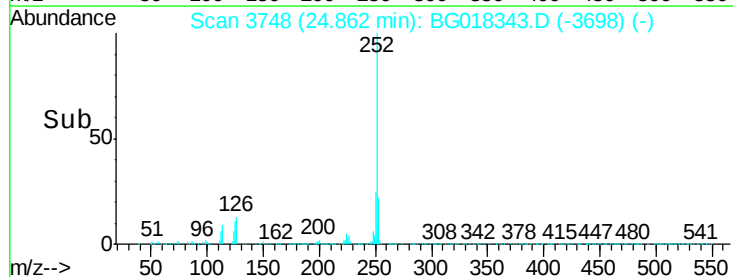
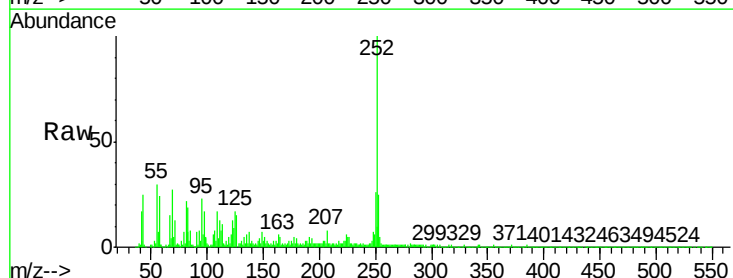
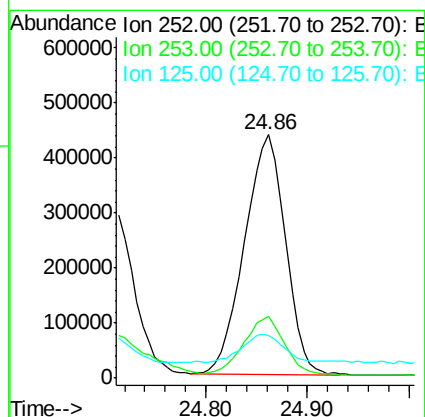
Manual Integrations  
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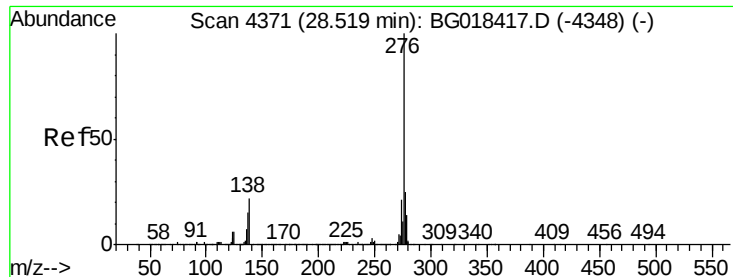
MMDadoda  
8/10/2015 7:26:27 PM



#91  
Benzo(a)pyrene  
Concen: 36.78 ng/ul  
RT: 24.86 min Scan# 3748  
Delta R.T. 0.09 min  
Lab File: BG018343.D  
Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 17.7  | 26.5  |
| 125     | 17.3  | 10.2  | 15.2# |





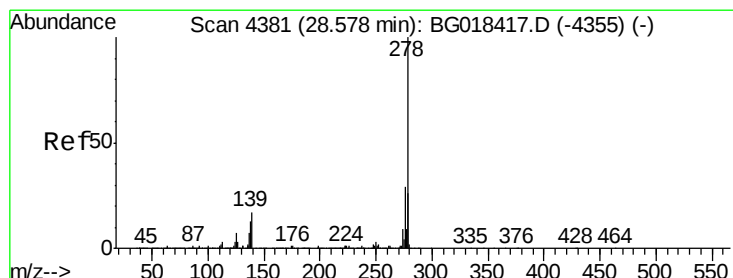
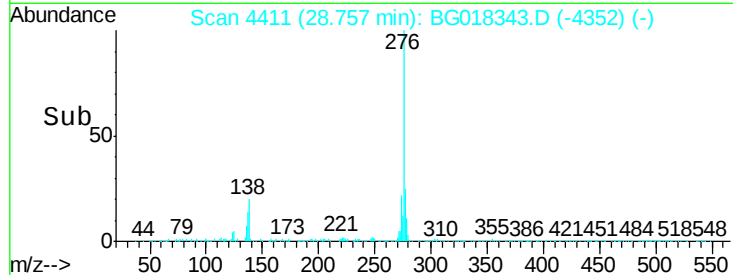
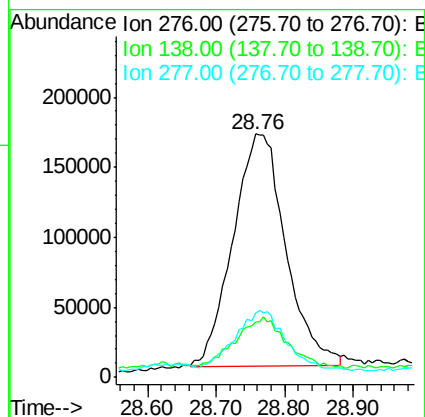
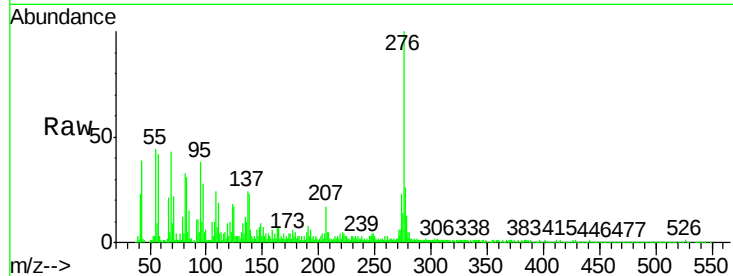
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 22.99 ng/ul  
 RT: 28.76 min Scan# 4411  
 Delta R.T. 0.14 min  
 Lab File: BG018343.D  
 Acq: 10 Aug 2015 00:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01R4RX

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 889185 |       |       |
| 138     | 22.9  | 15.8   | 23.6  |       |
| 277     | 26.3  | 18.9   | 28.3  |       |

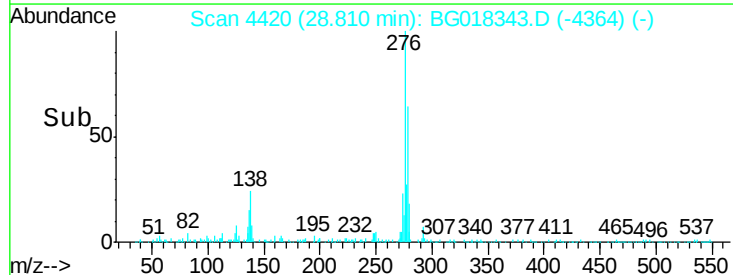
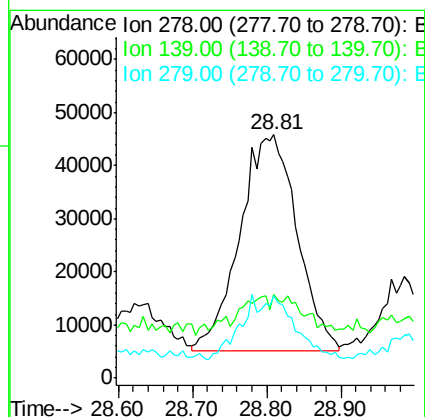
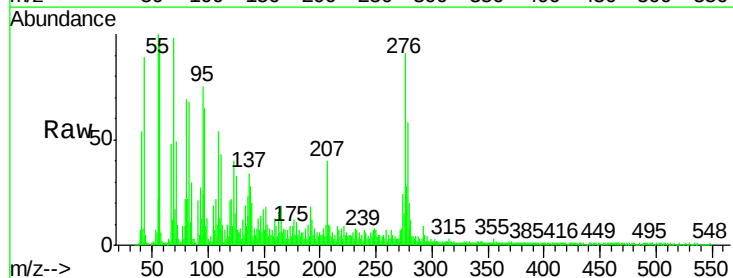
Manual Integrations  
 APPROVED

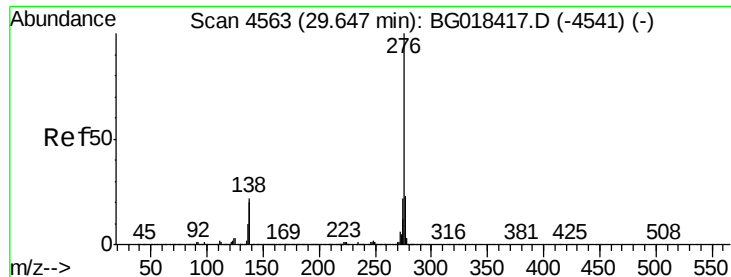
MMDadoda  
 8/10/2015 7:26:27 PM



#93  
 Dibenzo(a,h)anthracene  
 Concen: 6.76 ng/ul m  
 RT: 28.81 min Scan# 4420  
 Delta R.T. 0.13 min  
 Lab File: BG018343.D  
 Acq: 10 Aug 2015 00:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 217220 |       |       |
| 139     | 34.2  | 13.8   | 20.6# |       |
| 279     | 33.7  | 17.8   | 26.8# |       |





#94

Benzo(g,h,i)perylene

Concen: 25.27 ng/ul

RT: 29.94 min Scan# 4612

Delta R.T. 0.18 min

Lab File: BG018343.D

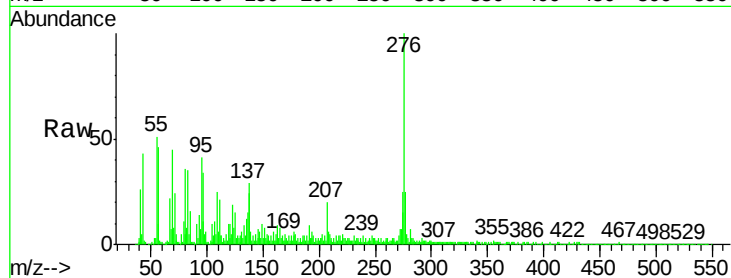
Acq: 10 Aug 2015 00:12

Instrument :

BNA\_G

ClientSampleId :

C01R4RX



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.1  | 16.5  | 24.7  |
| 277     | 24.8  | 19.0  | 28.6  |

Manual Integrations  
APPROVED

MMDadoda  
8/10/2015 7:26:27 PM

