

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081719\  
 Data File : BG042290.D  
 Acq On : 17 Aug 2019 14:49  
 Operator : HP/JU  
 Sample : K3616-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

Manual Integrations  
 APPROVED

Jagrut  
 8/19/2019 2:19:46 PM

Quant Time: Aug 19 08:36:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:42:36 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 64967    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 246921   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.67 | 164  | 188395   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.42 | 188  | 446182   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.70 | 240  | 481882   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.94 | 264  | 574014   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.57  | 112 | 440175  | 131.82 | ng | 0.00 |
| 7) Phenol-d6             | 7.17  | 99  | 567999  | 126.17 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.18  | 82  | 372691  | 103.87 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 397023  | 185.53 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.29 | 172 | 1110433 | 103.96 | ng | 0.00 |
| 79) Terphenyl-d14        | 20.03 | 244 | 2039480 | 96.85  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 47696   | 30.348 | ng | # 46   |
| 3) Pyridine                    | 3.85  | 79  | 111747  | 25.929 | ng | # 78   |
| 4) n-Nitrosodimethylamine      | 3.75  | 42  | 50931   | 29.810 | ng | # 71   |
| 6) Aniline                     | 7.33  | 93  | 62762   | 9.901  | ng | 92     |
| 8) 2-Chlorophenol              | 7.58  | 128 | 185715  | 48.571 | ng | 86     |
| 9) Benzaldehyde                | 7.14  | 77  | 66642   | 21.039 | ng | 84     |
| 10) Phenol                     | 7.20  | 94  | 185437  | 39.595 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 7.42  | 93  | 154709  | 40.182 | ng | 85     |
| 12) 1,3-Dichlorobenzene        | 7.90  | 146 | 205572m | 41.194 | ng |        |
| 13) 1,4-Dichlorobenzene        | 8.05  | 146 | 211194  | 42.294 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.37  | 146 | 200716  | 42.125 | ng | 94     |
| 15) Benzyl Alcohol             | 8.25  | 79  | 139764  | 39.463 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 202698  | 29.592 | ng | 89     |
| 17) 2-Methylphenol             | 8.46  | 107 | 149163  | 43.794 | ng | 96     |
| 18) Hexachloroethane           | 9.10  | 117 | 71416   | 41.764 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.82  | 70  | 121555  | 37.192 | ng | # 81   |
| 20) 3+4-Methylphenols          | 8.79  | 107 | 203920  | 43.751 | ng | 97     |
| 22) Acetophenone               | 8.83  | 105 | 259805  | 47.040 | ng | # 87   |
| 24) Nitrobenzene               | 9.22  | 77  | 176472  | 46.684 | ng | 89     |
| 25) Isophorone                 | 9.74  | 82  | 350597  | 44.917 | ng | 96     |
| 26) 2-Nitrophenol              | 9.94  | 139 | 112166  | 63.935 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 10.00 | 122 | 180346  | 58.244 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 220527  | 45.211 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.48 | 162 | 215368  | 57.116 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.70 | 180 | 228141  | 47.712 | ng | 99     |
| 31) Naphthalene                | 10.88 | 128 | 564720  | 49.971 | ng | 96     |
| 32) Benzoic acid               | 10.11 | 122 | 9382m   | 12.199 | ng |        |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 145617  | 45.122 | ng | 99     |
| 35) Caprolactam                | 11.76 | 113 | 53843m  | 41.088 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 206429  | 55.219 | ng | 91     |
| 37) 2-Methylnaphthalene        | 12.49 | 142 | 457553  | 51.152 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.71 | 142 | 428152  | 50.508 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 278347  | 46.675 | ng | # 98   |
| 41) Hexachlorocyclopentadiene  | 12.85 | 237 | 271878  | 81.089 | ng | 97     |

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 JC-03-081519-AMS

Manual Integrations  
 APPROVED

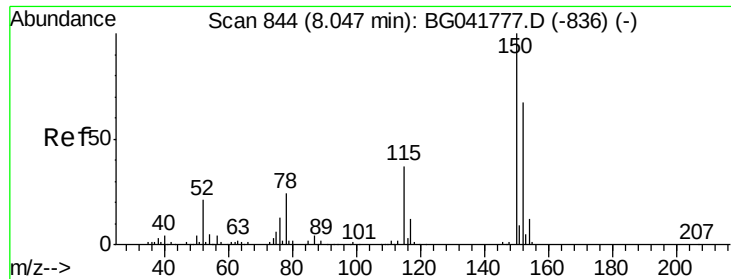
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 8/19/2019 2:19:46 PM

Quant Time: Aug 19 08:36:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:42:36 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 43) 2,4,6-Trichlorophenol      | 13.10 | 196  | 198895   | 52.769  | nq    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.18 | 196  | 220975   | 56.416  | nq #  | 93       |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 597280   | 49.319  | nq    | 96       |
| 47) 2-Chloronaphthalene        | 13.55 | 162  | 491282   | 47.647  | nq    | 95       |
| 48) 2-Nitroaniline             | 13.75 | 65   | 120867   | 46.220  | nq #  | 73       |
| 49) Acenaphthylene             | 14.39 | 152  | 781840   | 50.692  | nq    | 98       |
| 50) Dimethylphthalate          | 14.12 | 163  | 676440   | 52.574  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.24 | 165  | 160923   | 59.813  | nq #  | 76       |
| 52) Acenaphthene               | 14.73 | 154  | 461324   | 45.988  | nq    | 98       |
| 53) 3-Nitroaniline             | 14.57 | 138  | 32101    | 11.153  | nq #  | 83       |
| 54) 2,4-Dinitrophenol          | 14.78 | 184  | 86224    | 58.846  | nq #  | 80       |
| 55) Dibenzofuran               | 15.07 | 168  | 778197   | 50.719  | nq    | 94       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 251514   | 115.120 | nq #  | 83       |
| 57) 2,4-Dinitrotoluene         | 15.03 | 165  | 228769   | 61.831  | nq #  | 82       |
| 58) Fluorene                   | 15.72 | 166  | 640520   | 52.019  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 217838   | 56.153  | nq #  | 91       |
| 60) Diethylphthalate           | 15.48 | 149  | 653031   | 51.697  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204  | 371295   | 49.394  | nq    | 95       |
| 62) 4-Nitroaniline             | 15.74 | 138  | 151162   | 48.487  | nq    | 90       |
| 63) Azobenzene                 | 16.00 | 77   | 461107   | 44.686  | nq    | 88       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 87753    | 41.300  | nq    | 78       |
| 66) n-Nitrosodiphenylamine     | 15.93 | 169  | 612070   | 50.361  | nq    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.61 | 248  | 261373   | 47.556  | nq    | 95       |
| 68) Hexachlorobenzene          | 16.73 | 284  | 276188   | 48.034  | nq #  | 90       |
| 69) Atrazine                   | 16.87 | 200  | 239343   | 50.122  | nq    | 99       |
| 70) Pentachlorophenol          | 17.08 | 266  | 316065   | 96.762  | nq    | 97       |
| 71) Phenanthrene               | 17.46 | 178  | 1098123  | 51.346  | nq    | 95       |
| 72) Anthracene                 | 17.55 | 178  | 1125215  | 52.753  | nq    | 95       |
| 73) Carbazole                  | 17.82 | 167  | 1048036  | 54.744  | nq    | 95       |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 1169688  | 53.893  | nq #  | 96       |
| 75) Fluoranthene               | 19.47 | 202  | 1420124  | 54.629  | nq    | 93       |
| 77) Benzidine                  | 19.65 | 184  | 248990   | 15.830  | nq    | 96       |
| 78) Pyrene                     | 19.84 | 202  | 1417382  | 49.644  | nq    | 94       |
| 80) Butylbenzylphthalate       | 20.72 | 149  | 578254   | 52.826  | nq #  | 85       |
| 81) Benzo(a)anthracene         | 21.68 | 228  | 1428653  | 50.110  | nq    | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.59 | 252  | 226547   | 19.791  | nq #  | 97       |
| 83) Chrysene                   | 21.75 | 228  | 1376254  | 50.359  | nq    | 95       |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 812790   | 53.828  | nq    | 97       |
| 85) Di-n-octyl phthalate       | 22.81 | 149  | 1388739  | 54.649  | nq #  | 86       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.66 | 276  | 1897137  | 52.439  | nq #  | 94       |
| 88) Benzo(b)fluoranthene       | 23.92 | 252  | 1567735m | 49.926  | nq    |          |
| 89) Benzo(k)fluoranthene       | 23.99 | 252  | 1554433  | 50.819  | nq #  | 97       |
| 90) Benzo(a)pyrene             | 24.80 | 252  | 1551322  | 51.512  | nq #  | 96       |
| 91) Dibenzo(a,h)anthracene     | 28.73 | 278  | 1550441  | 52.431  | nq #  | 96       |
| 92) Benzo(g,h,i)perylene       | 29.84 | 276  | 1583525  | 53.599  | nq #  | 94       |

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





#1

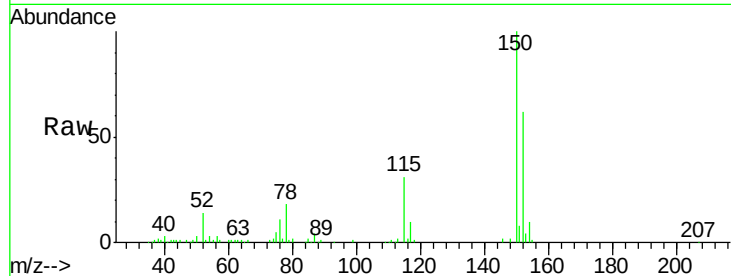
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Concen: 20.000 ng  
RT: 8.01 min Scan# 838  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

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BNA\_G  
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JC-03-081519-AMS

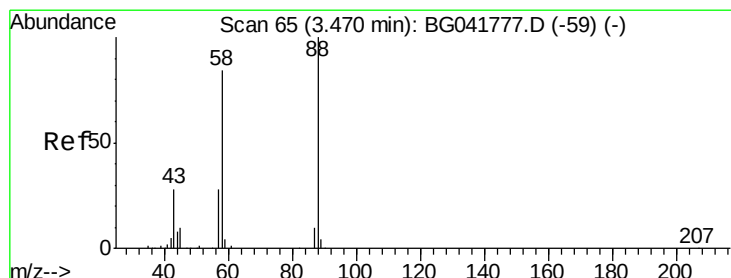
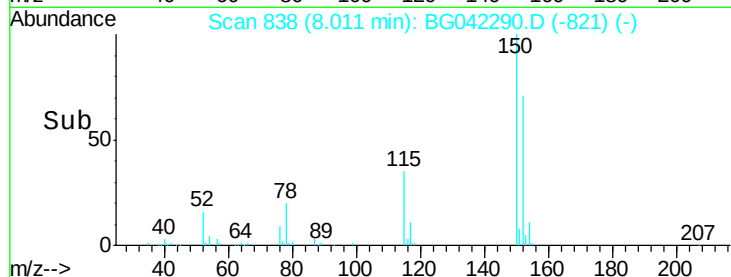
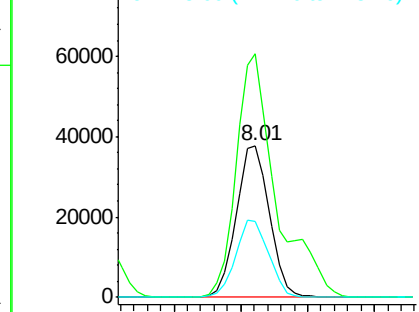
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.7 | 126.9 | 190.3 |
| 115     | 49.9  | 45.0  | 67.6  |

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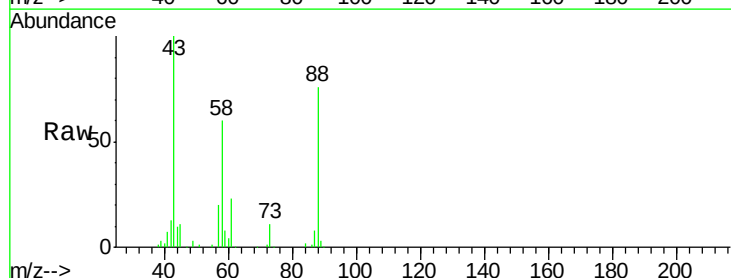
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



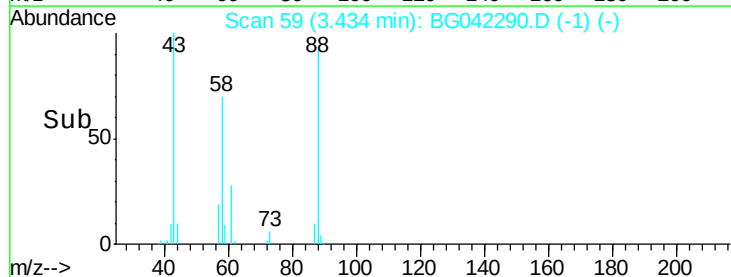
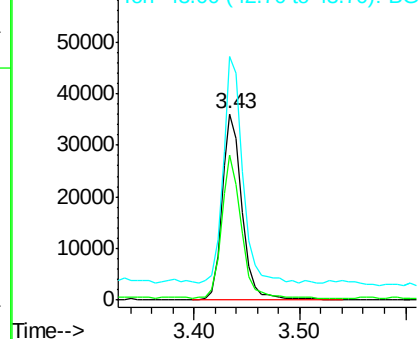
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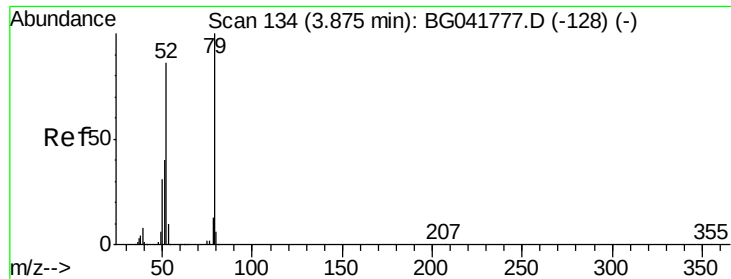
1,4-Dioxane  
Concen: 30.348 ng  
RT: 3.43 min Scan# 59  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 74.3  | 76.2  | 114.2# |
| 43      | 117.3 | 27.2  | 40.8#  |



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 25.929 ng

RT: 3.85 min Scan# 129

Delta R.T. 0.01 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

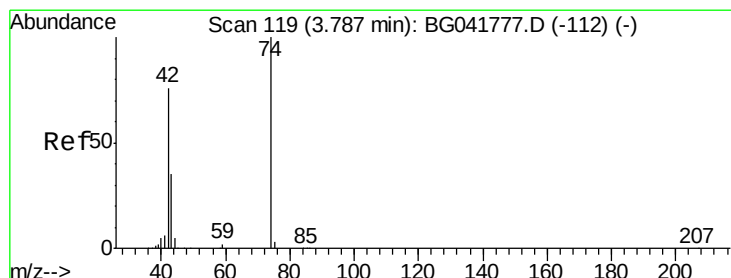
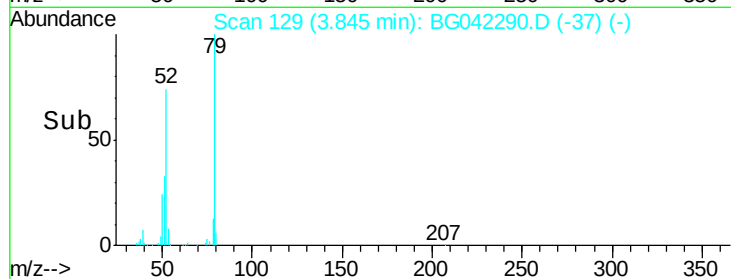
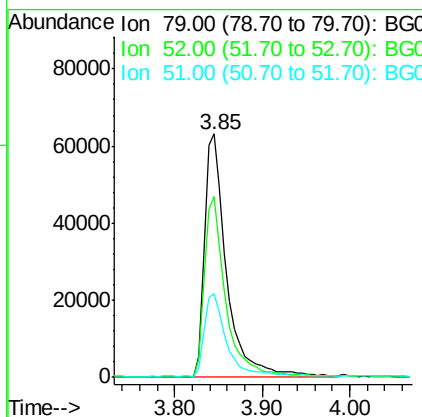
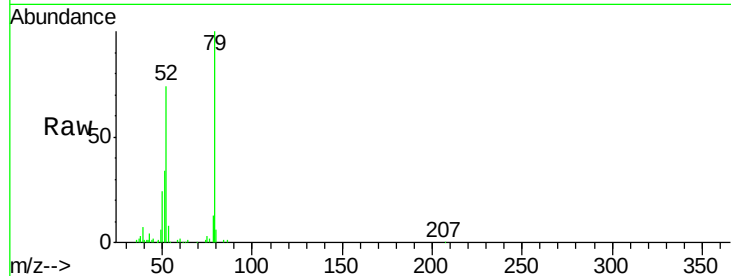
ClientSampleId :

JC-03-081519-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 111747 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 74.1  | 77.1  | 115.7# |
| 51        | 34.3  | 37.8  | 56.8#  |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 29.810 ng

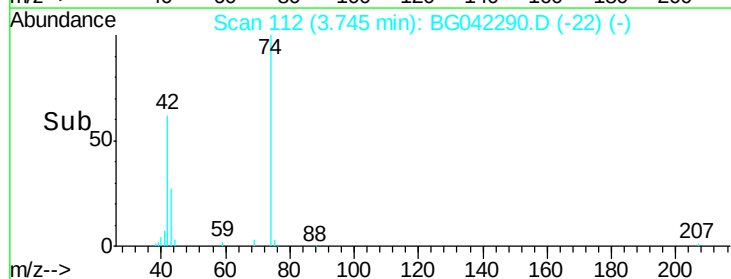
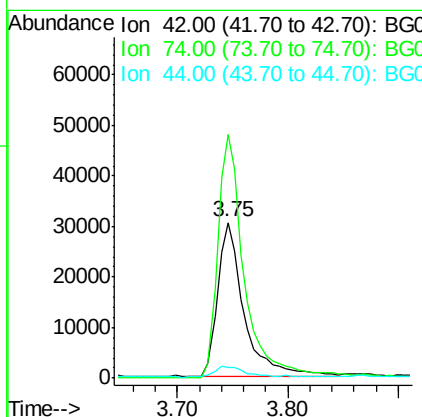
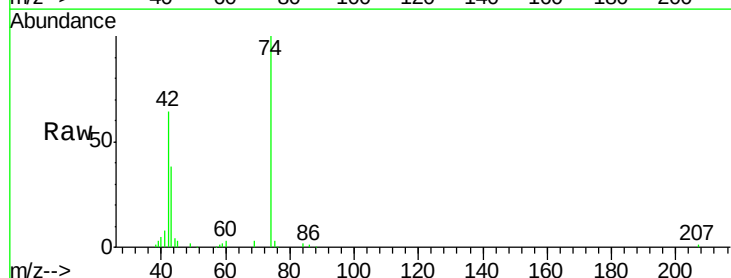
RT: 3.75 min Scan# 112

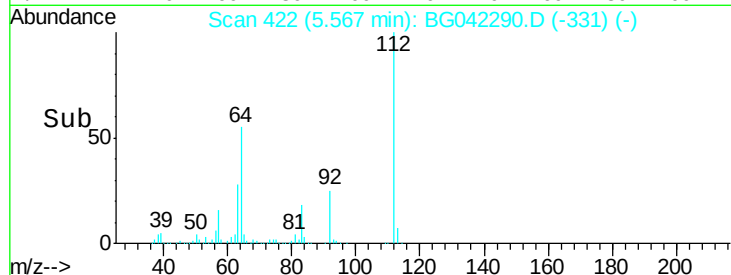
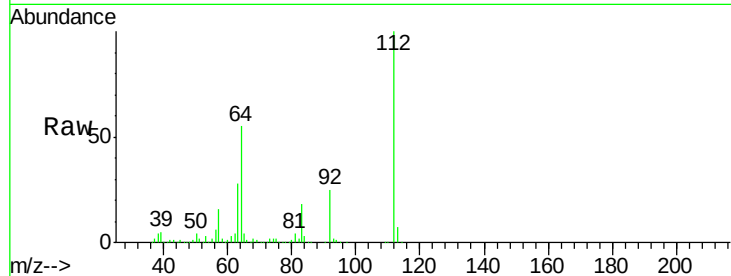
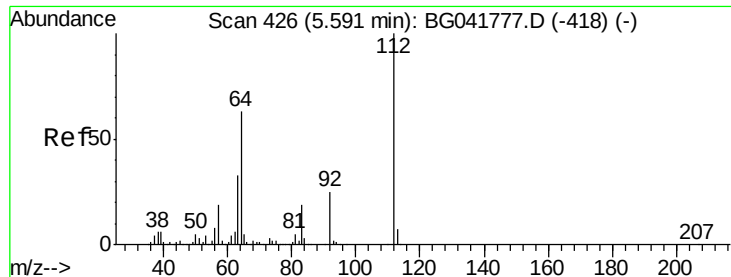
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 50931  |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 156.8 | 97.4  | 146.2# |
| 44        | 6.9   | 6.6   | 9.8    |





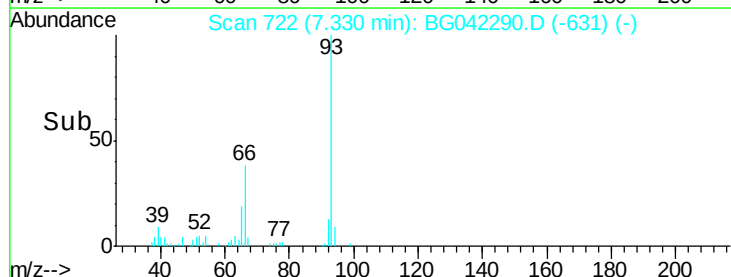
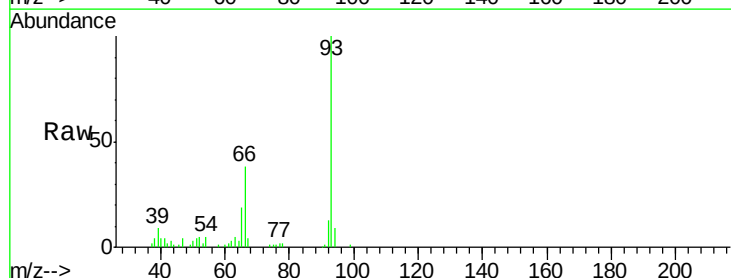
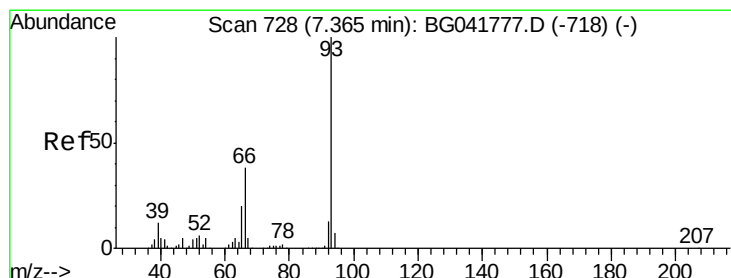
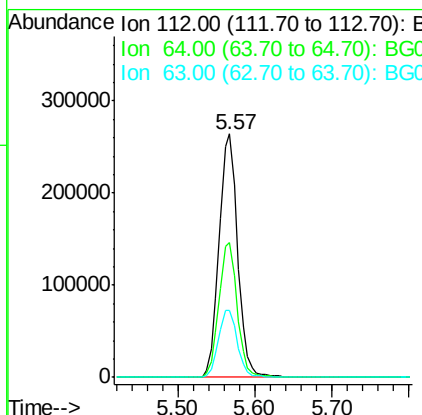
#5  
2-Fluorophenol  
Concen: 131.823 ng  
RT: 5.57 min Scan# 422  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 440175 |       |       |
| 64      | 55.4  | 55.4   | 83.2# |       |
| 63      | 27.8  | 29.1   | 43.7# |       |

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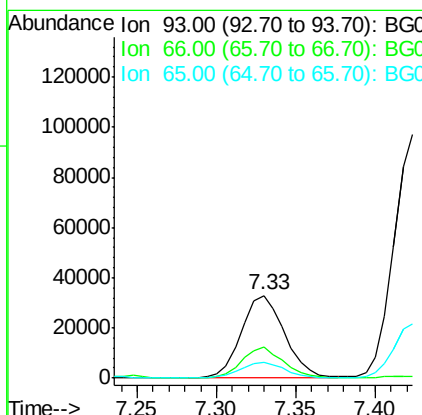
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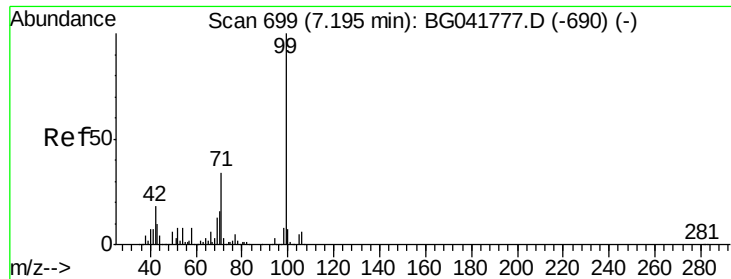
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#6  
Aniline  
Concen: 9.901 ng  
RT: 7.33 min Scan# 722  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 62762 |       |       |
| 66      | 38.0  | 34.2  | 51.2  |       |
| 65      | 18.9  | 18.2  | 27.2  |       |





#7

Phenol-d6

Concen: 126.174 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

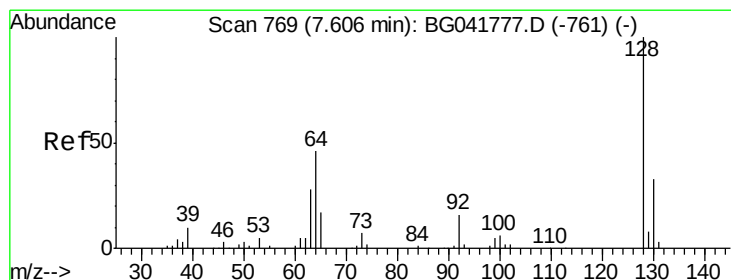
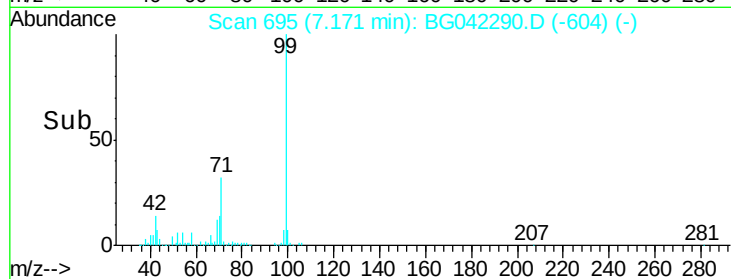
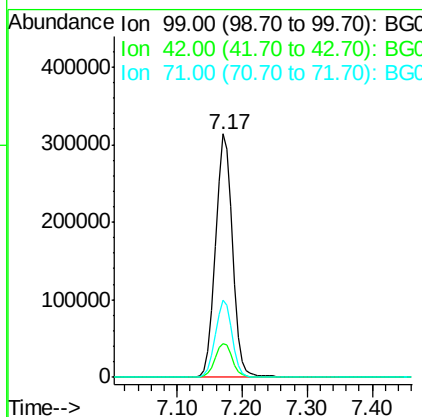
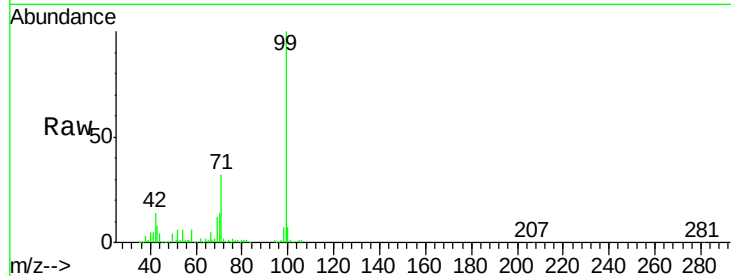
ClientSampleId :

JC-03-081519-AMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 567999 |       |       |
| 42      | 14.0 | 17.6  | 26.4#  |       |       |
| 71      | 31.9 | 27.8  | 41.6   |       |       |

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#8

2-Chlorophenol

Concen: 48.571 ng

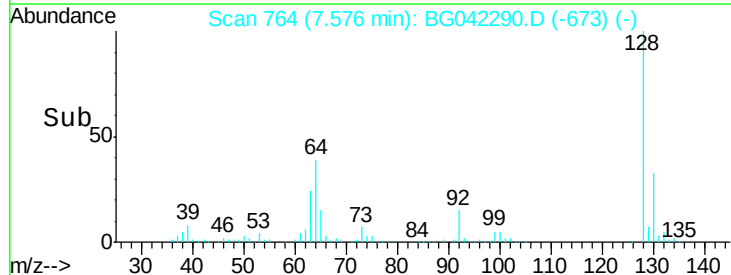
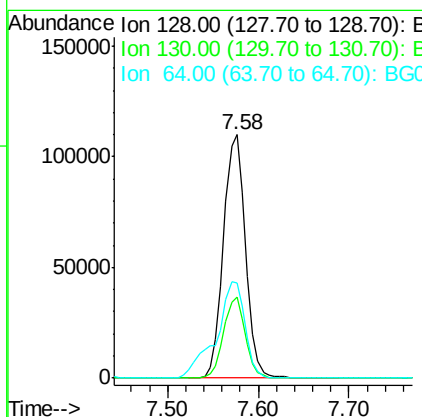
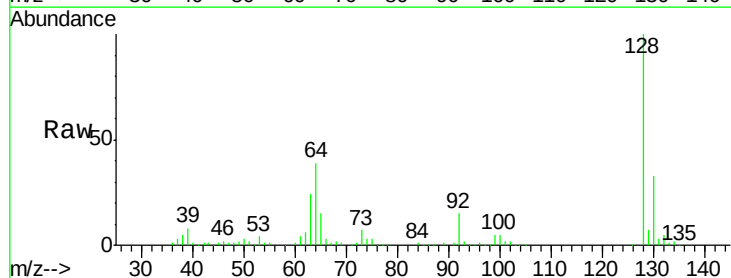
RT: 7.58 min Scan# 764

Delta R.T. 0.01 min

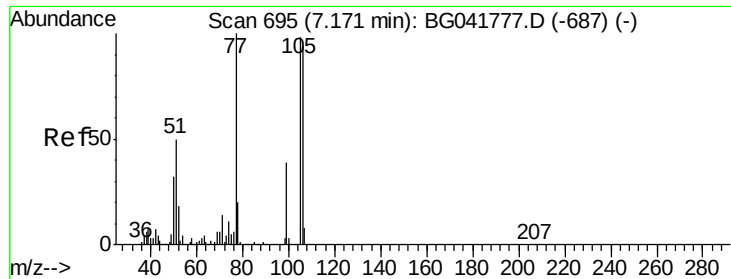
Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 185715 |       |       |
| 130     | 33.2 | 12.4  | 52.4   |       |       |
| 64      | 39.2 | 34.9  | 74.9   |       |       |







#9

Benzaldehyde

Concen: 21.039 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

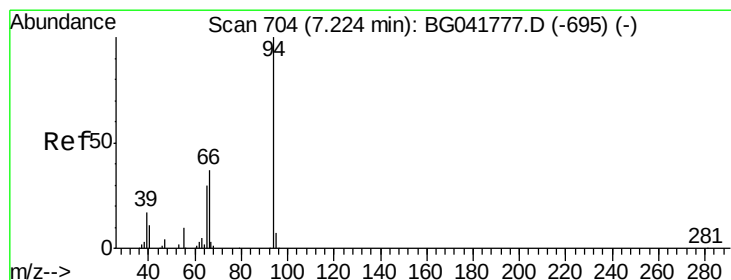
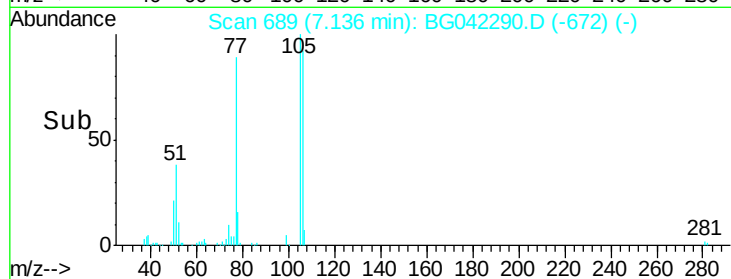
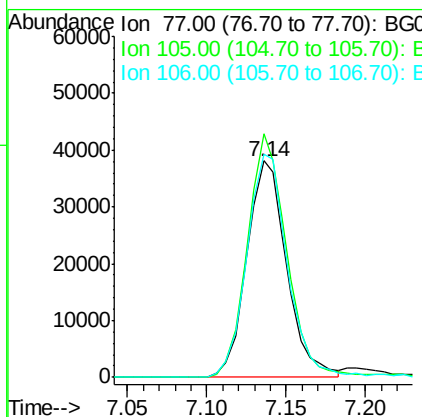
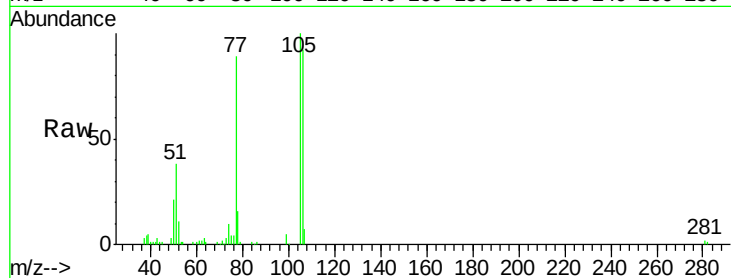
ClientSampleId :

JC-03-081519-AMS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 66642 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 112.4 | 74.6  | 114.6 |
| 106      | 103.3 | 71.1  | 111.1 |

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#10

Phenol

Concen: 39.595 ng

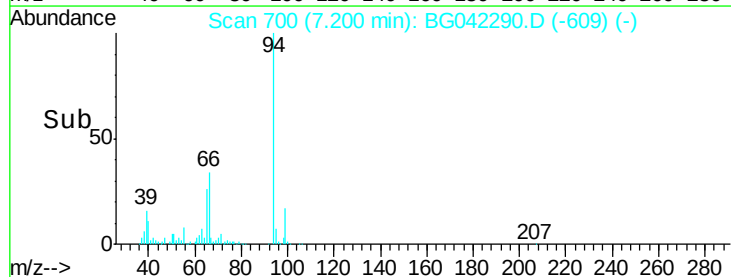
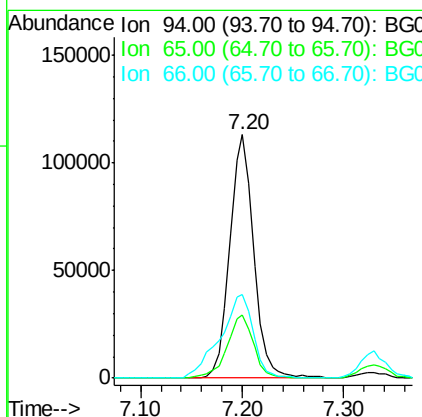
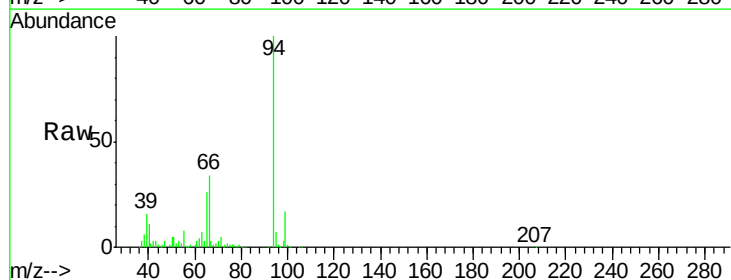
RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

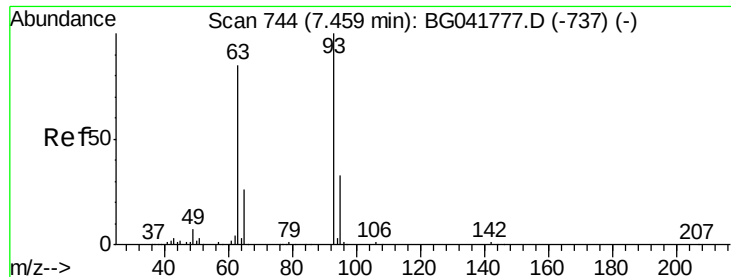
Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 185437 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 26.1  | 10.6  | 50.6   |
| 66       | 34.2  | 18.2  | 58.2   |







#11

bis(2-Chloroethyl)ether

Concen: 40.182 ng

RT: 7.42 min Scan# 738

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

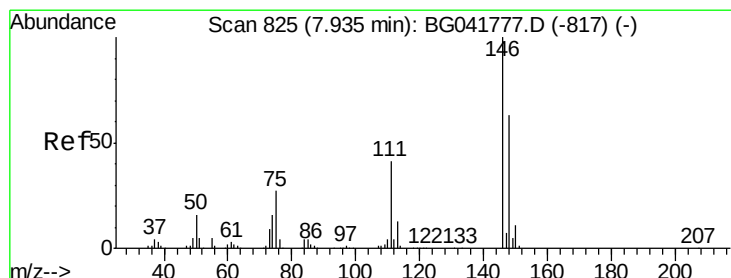
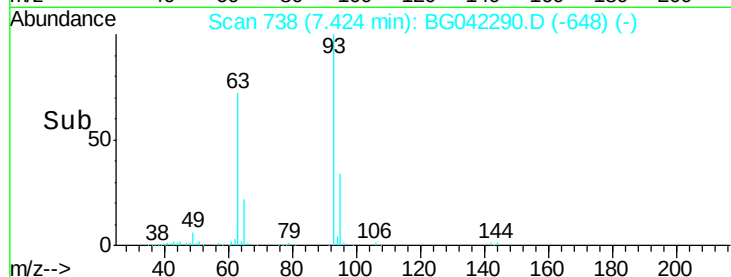
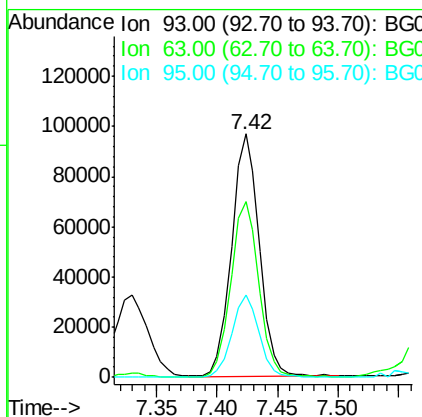
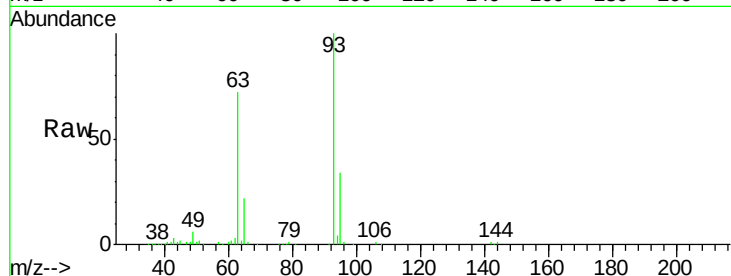
ClientSampleId :

JC-03-081519-AMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 154709 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 72.3  | 70.4  | 110.4  |
| 95       | 33.8  | 12.8  | 52.8   |

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#12

1,3-Dichlorobenzene

Concen: 41.194 ng m

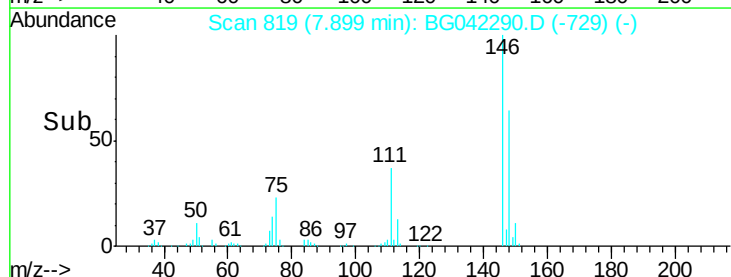
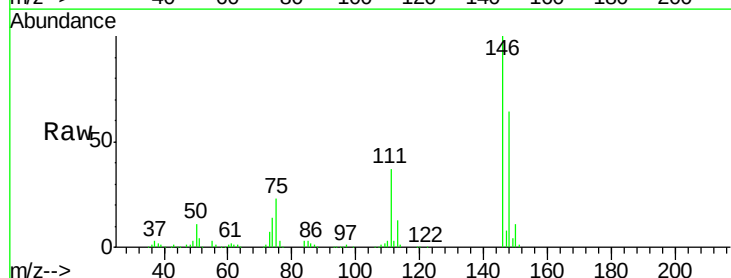
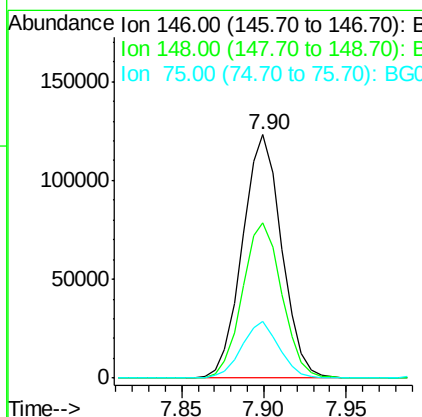
RT: 7.90 min Scan# 819

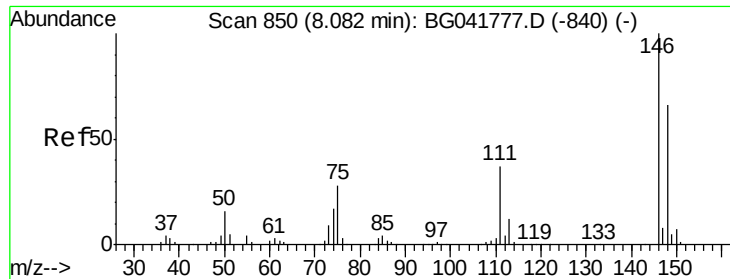
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 205572 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.6  | 51.5  | 77.3   |
| 75       | 23.1  | 23.2  | 34.8#  |





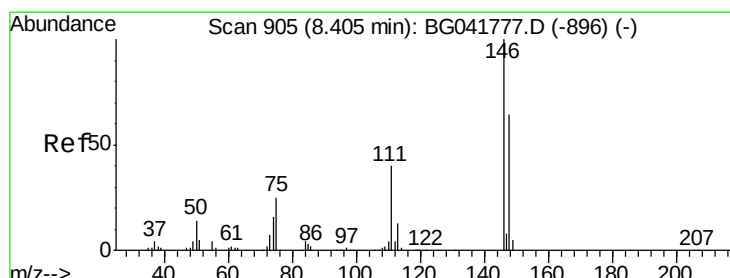
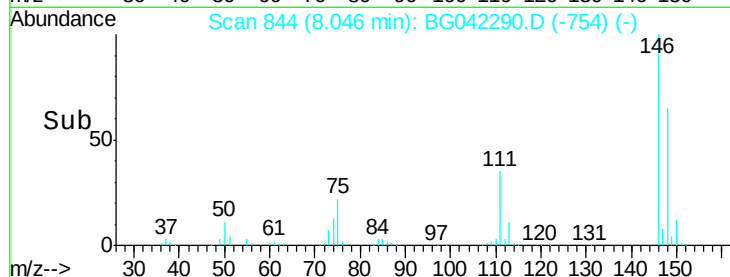
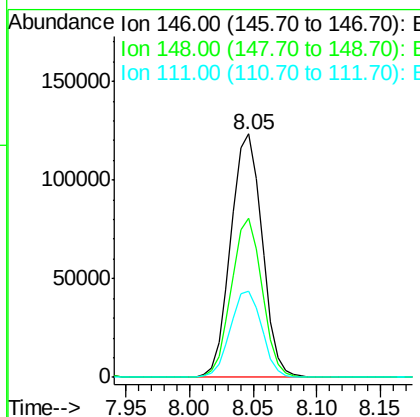
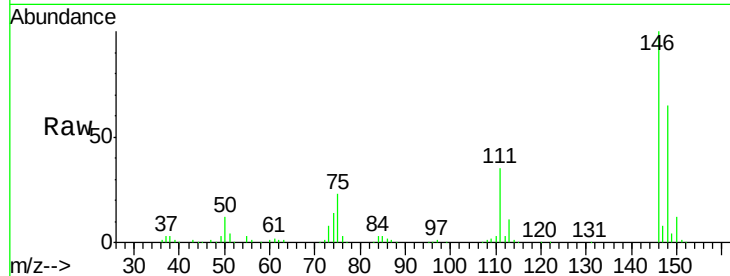
#13  
 1,4-Dichlorobenzene  
 Concen: 42.294 ng  
 RT: 8.05 min Scan# 844  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 211194  | 146 | 100   |      |       |       |
|         | 148 | 65.4  | 52.6 | 79.0  |       |
|         | 111 | 35.4  | 32.5 | 48.7  |       |

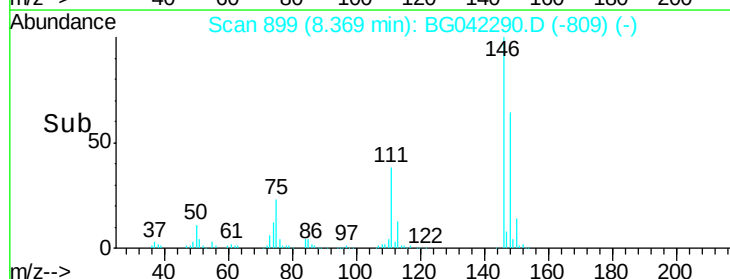
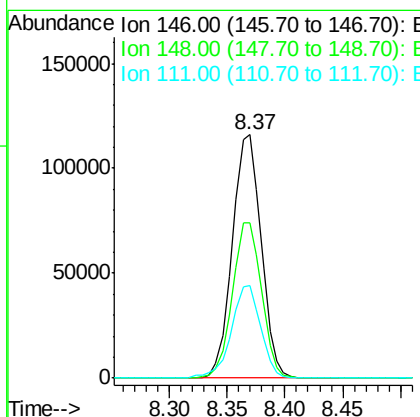
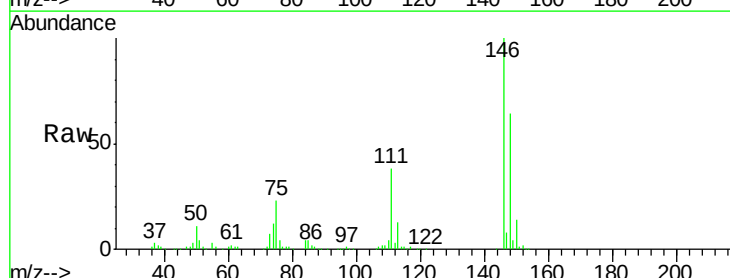
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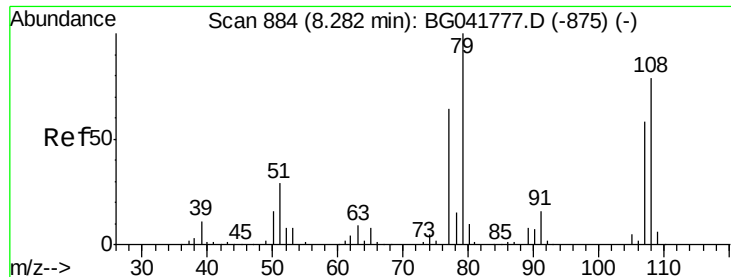
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#14  
 1,2-Dichlorobenzene  
 Concen: 42.125 ng  
 RT: 8.37 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 200716  | 146 | 100   |      |       |       |
|         | 148 | 63.7  | 53.5 | 80.3  |       |
|         | 111 | 38.1  | 35.4 | 53.0  |       |





#15

Benzyl Alcohol

Concen: 39.463 ng

RT: 8.25 min Scan# 878

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

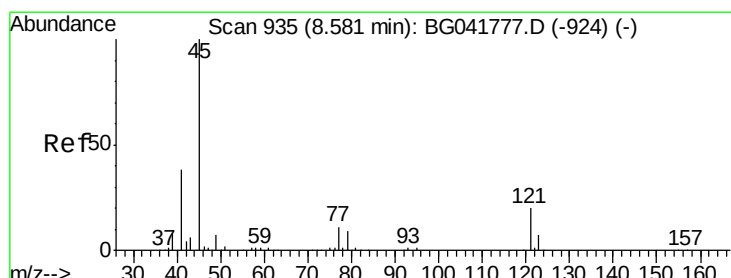
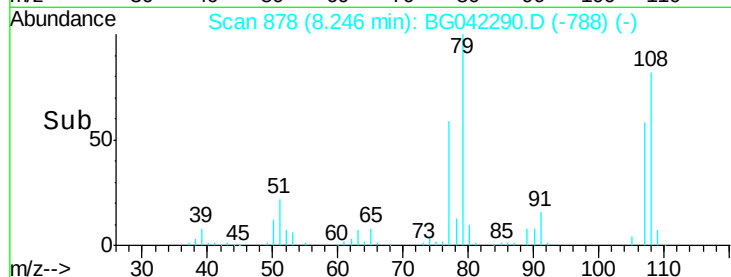
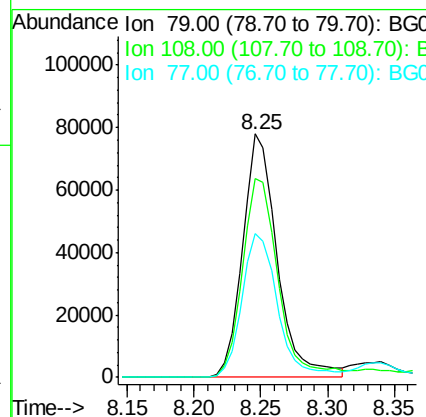
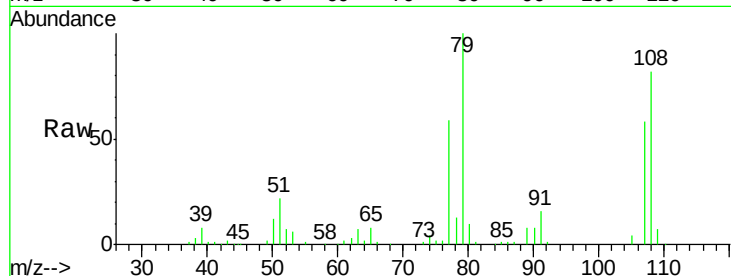
ClientSampleId :

JC-03-081519-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 139764 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 81.9  | 60.5  | 90.7   |
| 77        | 59.3  | 50.6  | 75.8   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.592 ng

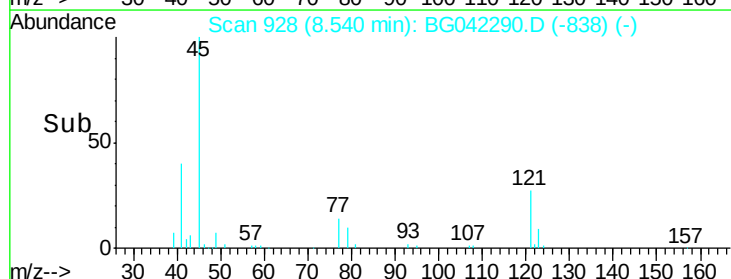
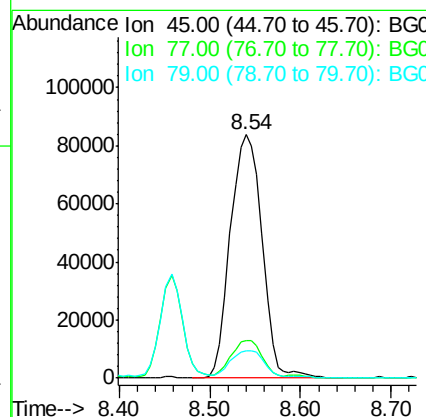
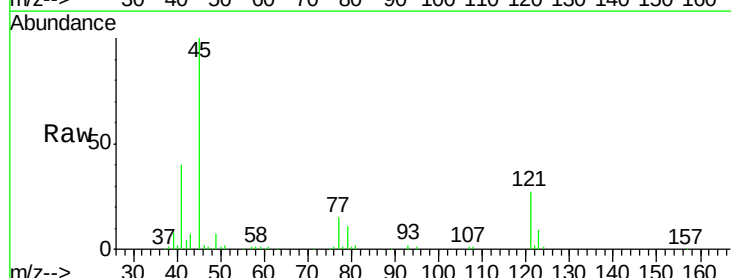
RT: 8.54 min Scan# 928

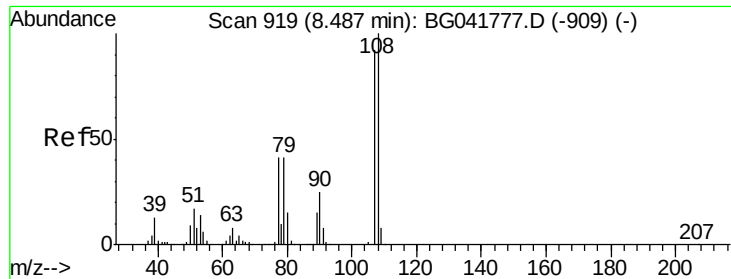
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 202698 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 15.2  | 0.0   | 30.4   |
| 79        | 11.1  | 0.0   | 27.9   |





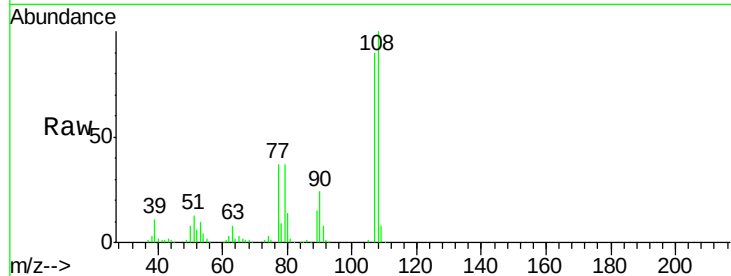
#17  
2-Methylphenol  
Concen: 43.794 ng  
RT: 8.46 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

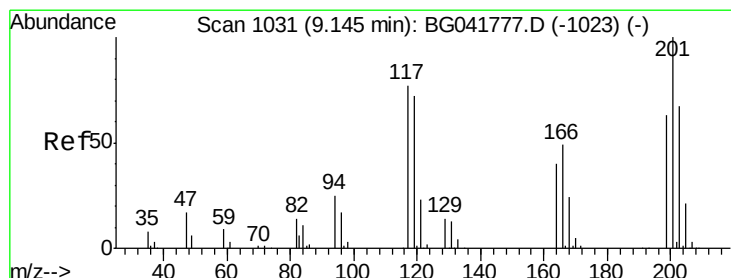
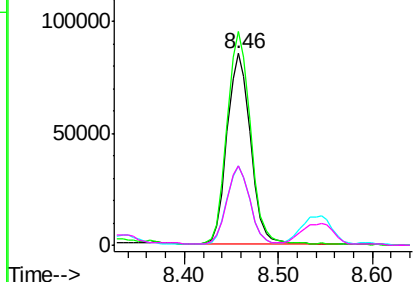
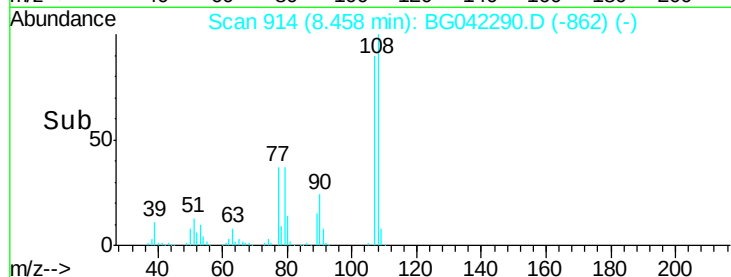
| Tot Ion | Ion    | Ratio | Resp   | Lower | Upper |
|---------|--------|-------|--------|-------|-------|
| 107     | 107.00 | 100   | 149163 |       |       |
| 108     | 108.00 | 111.5 |        | 87.6  | 131.4 |
| 77      | 77.00  | 41.2  |        | 36.1  | 54.1  |
| 79      | 79.00  | 41.6  |        | 36.4  | 54.6  |

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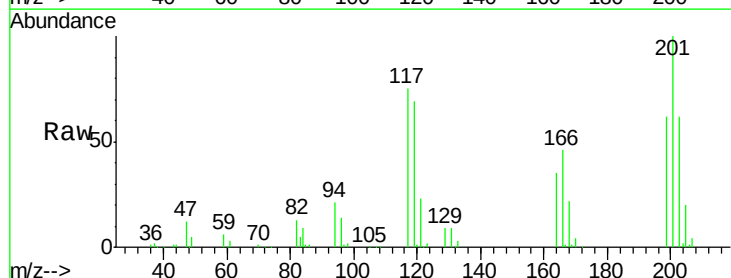


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

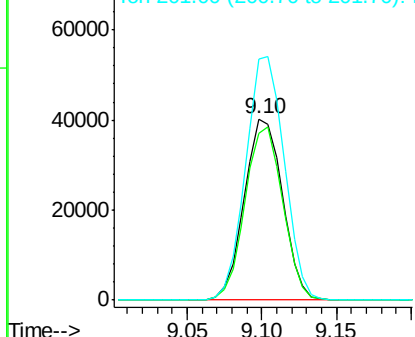
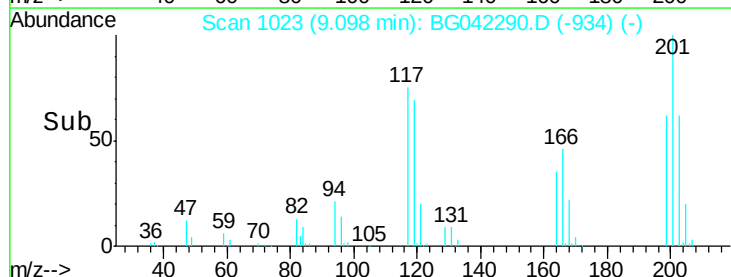


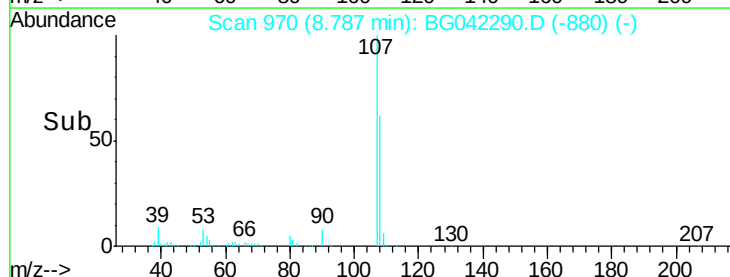
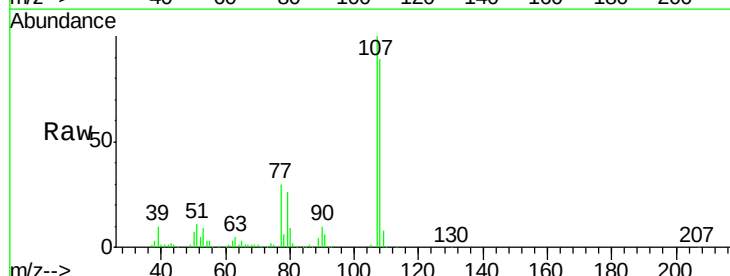
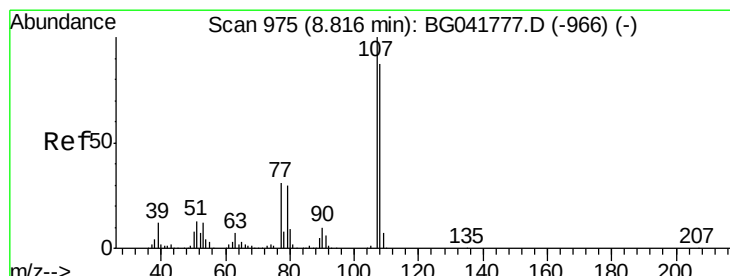
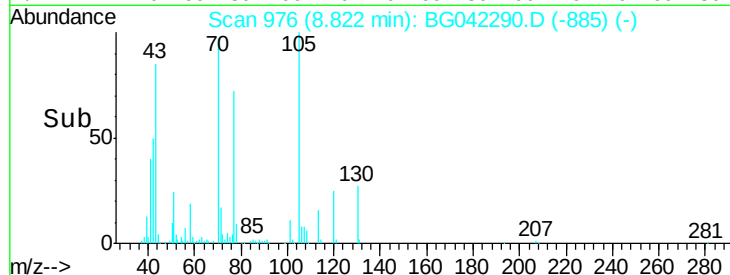
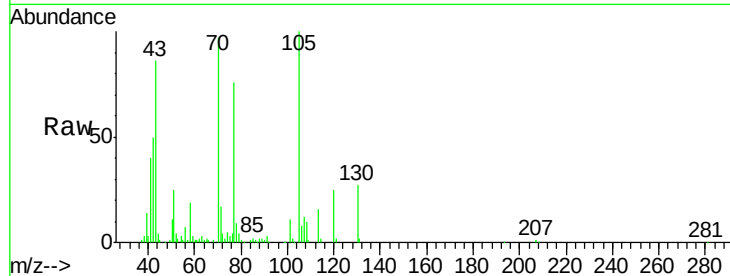
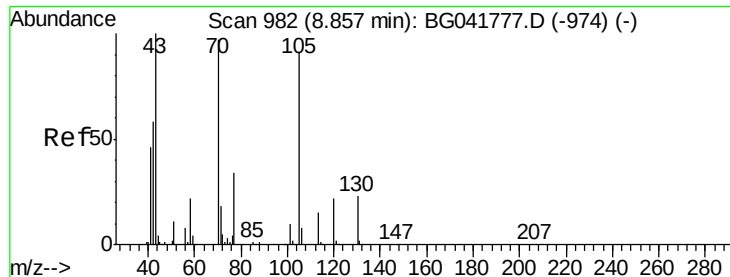
#18  
Hexachloroethane  
Concen: 41.764 ng  
RT: 9.10 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ion    | Ratio | Resp  | Lower | Upper |
|---------|--------|-------|-------|-------|-------|
| 117     | 117.00 | 100   | 71416 |       |       |
| 119     | 119.00 | 92.5  |       | 76.2  | 114.2 |
| 201     | 201.00 | 133.4 |       | 94.1  | 141.1 |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 37.192 ng

RT: 8.82 min Scan# 976

Delta R.T. 0.01 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

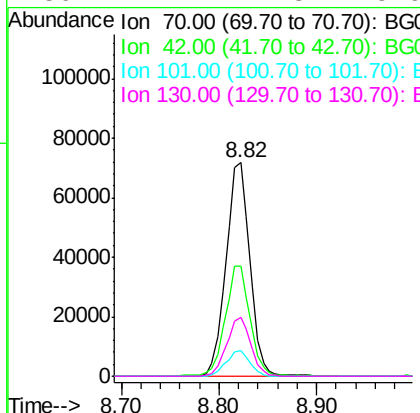
ClientSampleId :

JC-03-081519-AMS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 70      | 100  |       |       |       |       |
| 42      | 51.4 | 55.8  | 83.6# |       |       |
| 101     | 11.8 | 8.1   | 12.1  |       |       |
| 130     | 27.7 | 17.3  | 25.9# |       |       |

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#20

3+4-Methylphenols

Concen: 43.751 ng

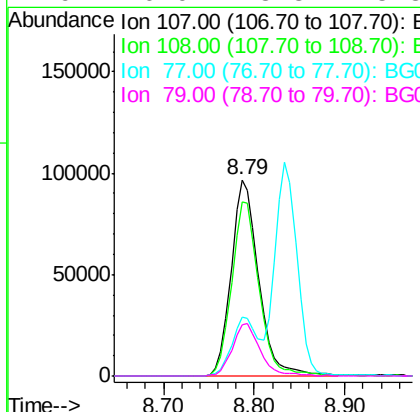
RT: 8.79 min Scan# 970

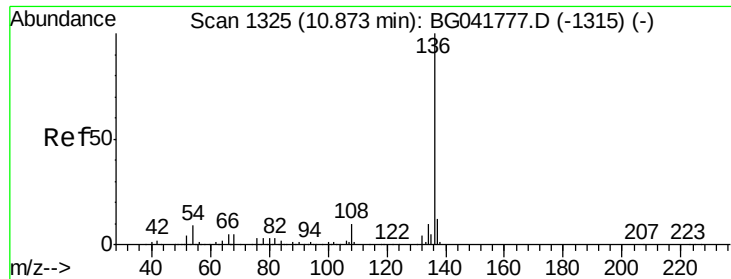
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 108     | 88.9 | 67.5  | 107.5 |       |       |
| 77      | 29.7 | 12.3  | 52.3  |       |       |
| 79      | 26.0 | 8.3   | 48.3  |       |       |





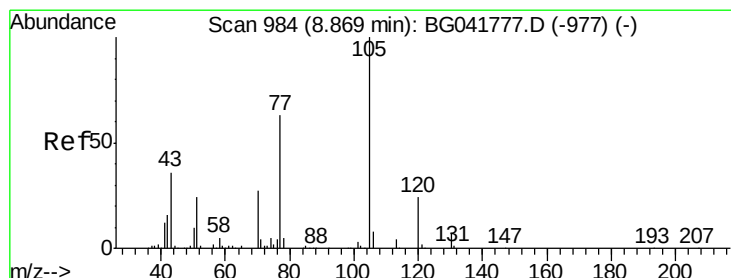
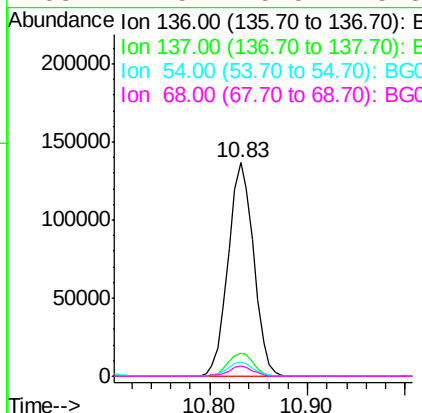
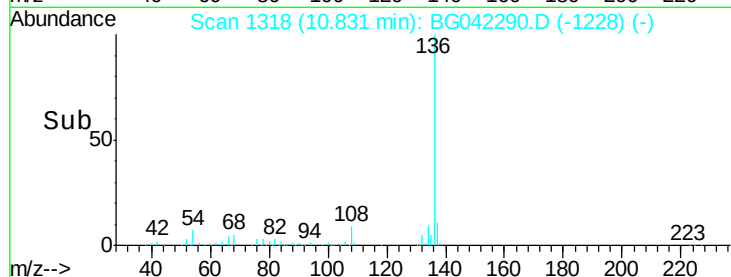
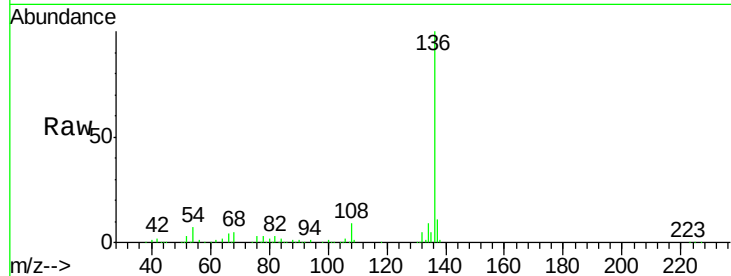
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 246921 |       |       |
| 137     | 11.0  | 9.2    | 13.8  |       |
| 54      | 6.8   | 8.7    | 13.1# |       |
| 68      | 4.5   | 5.5    | 8.3#  |       |

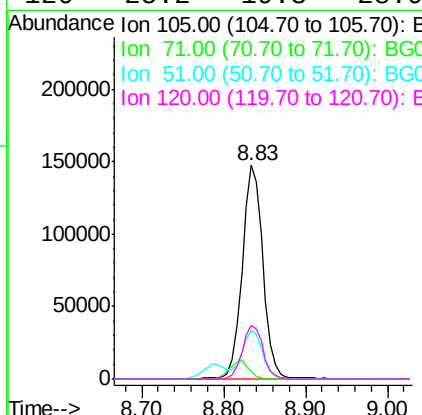
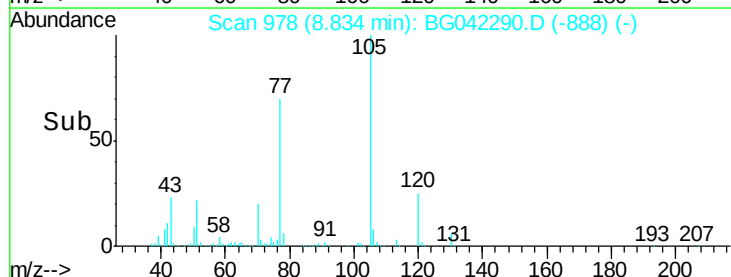
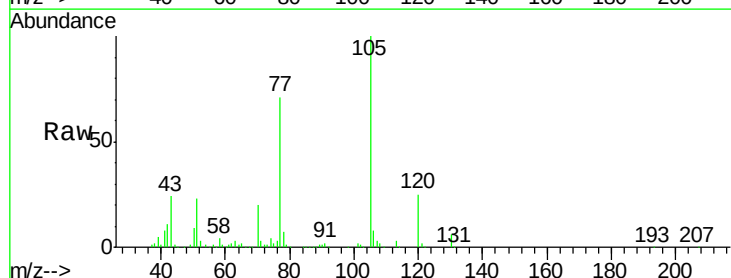
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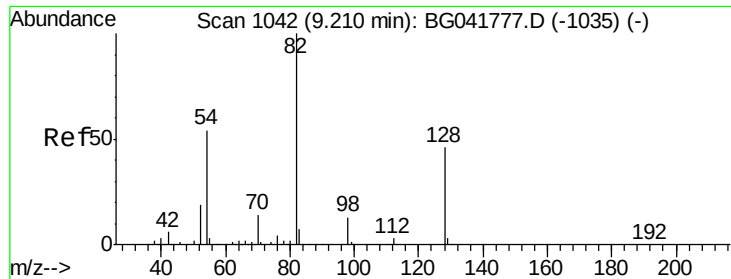
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#22  
Acetophenone  
Concen: 47.040 ng  
RT: 8.83 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 259805 |       |       |
| 71      | 3.5   | 5.9    | 8.9#  |       |
| 51      | 23.0  | 27.7   | 41.5# |       |
| 120     | 25.2  | 19.3   | 28.9  |       |





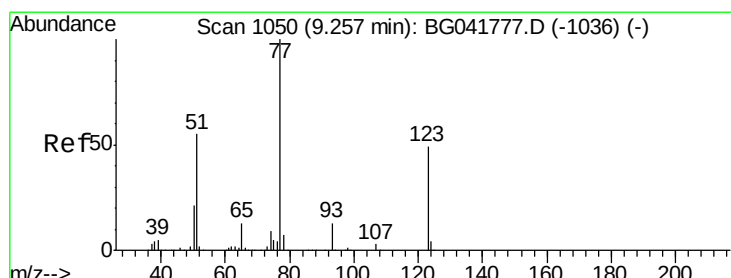
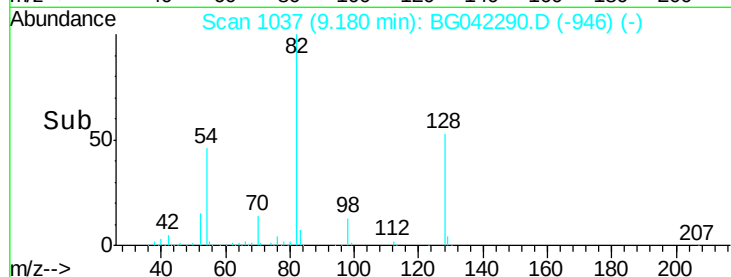
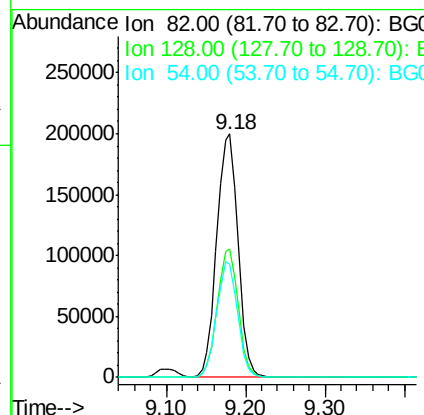
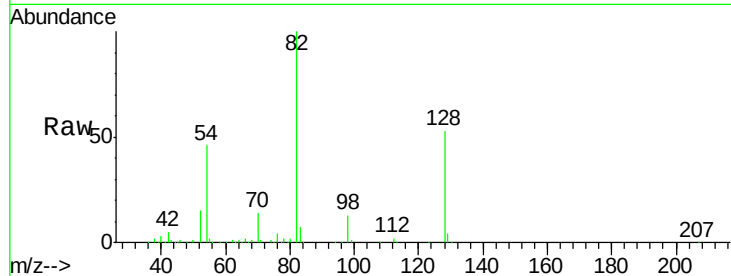
#23  
Nitrobenzene-d5  
Concen: 103.868 ng  
RT: 9.18 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 372691 |       |       |
| 128     | 52.5  | 35.1   | 52.7  |       |
| 54      | 46.3  | 48.7   | 73.1  |       |

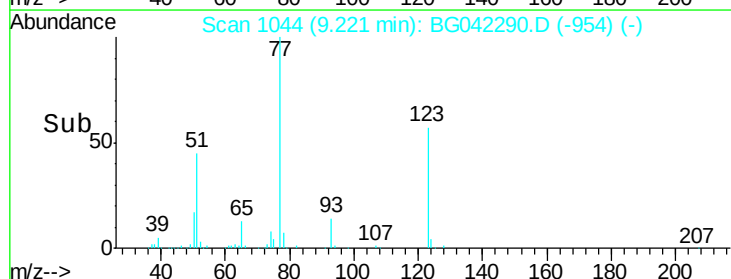
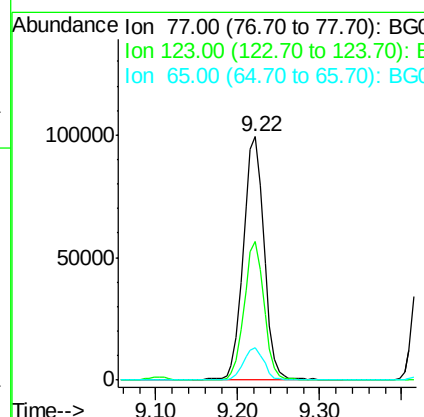
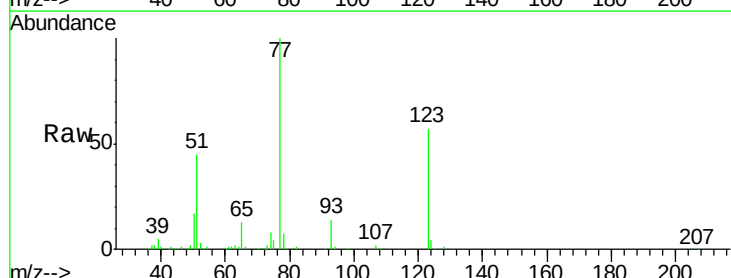
Manual Integrations  
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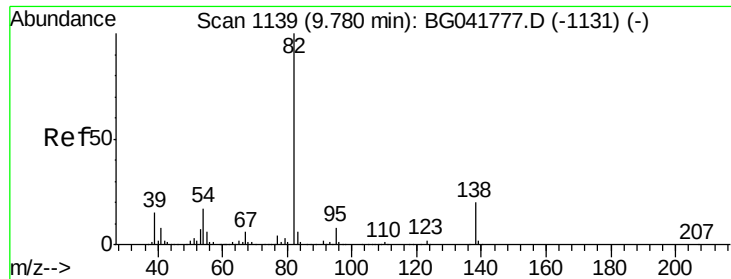


#24  
Nitrobenzene  
Concen: 46.684 ng  
RT: 9.22 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 176472 |       |       |
| 123     | 57.1  | 38.1   | 57.1  |       |
| 65      | 13.2  | 11.0   | 16.6  |       |







#25

Isophorone

Concen: 44.917 ng

RT: 9.74 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

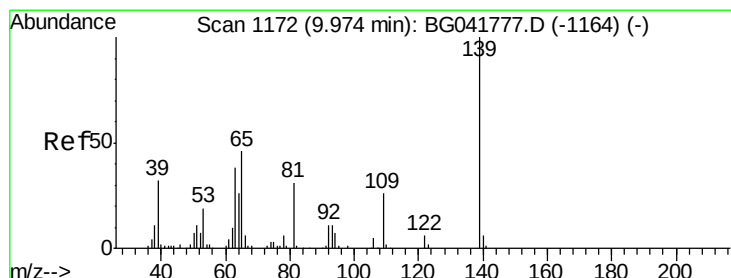
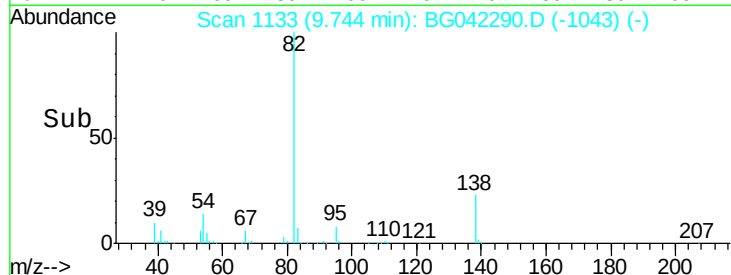
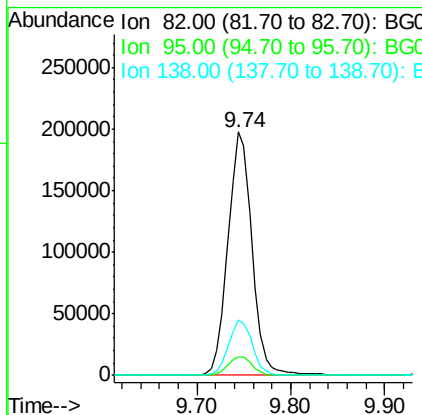
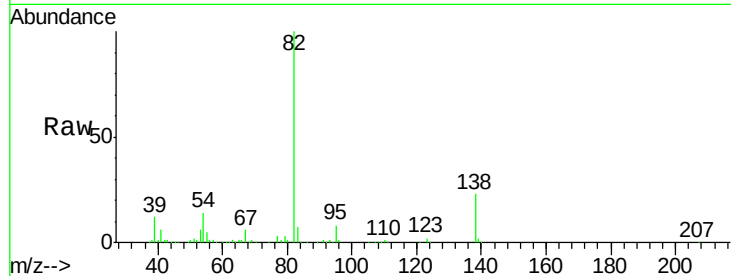
ClientSampleId :

JC-03-081519-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 350597 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.7   | 5.9   | 8.9    |
| 138       | 22.7  | 16.3  | 24.5   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 63.935 ng

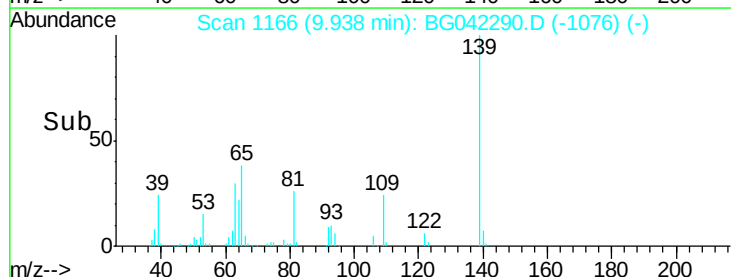
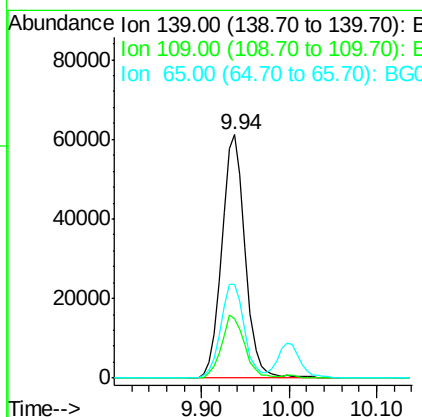
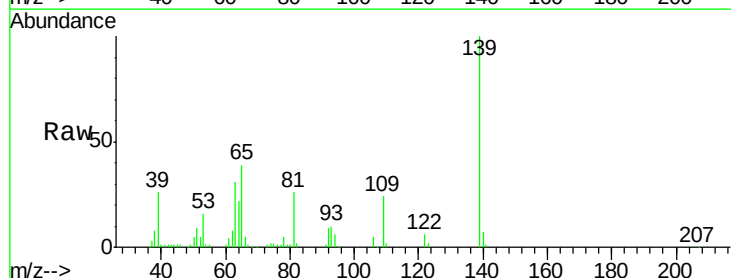
RT: 9.94 min Scan# 1166

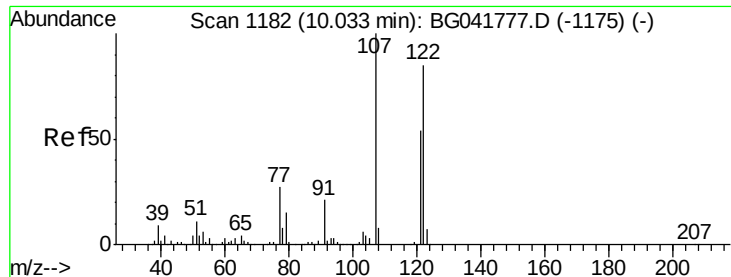
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 112166 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 24.4  | 22.7  | 34.1   |
| 65        | 38.6  | 41.1  | 61.7#  |





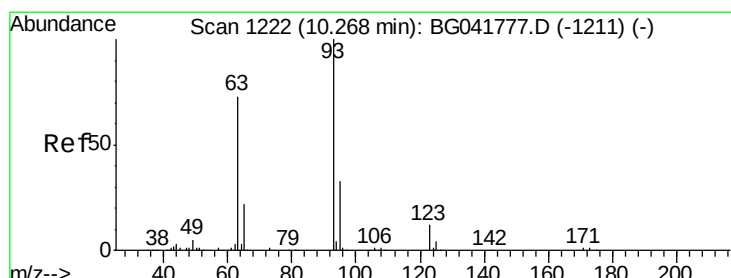
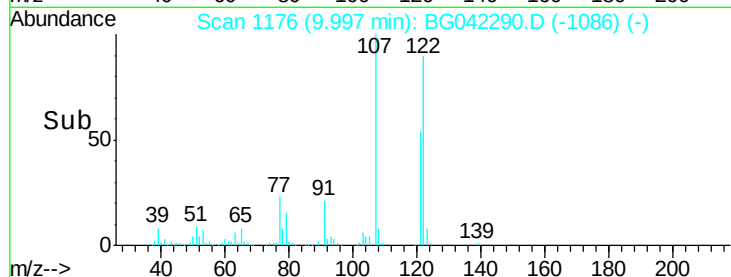
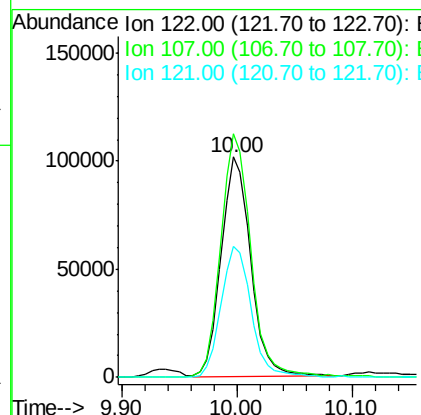
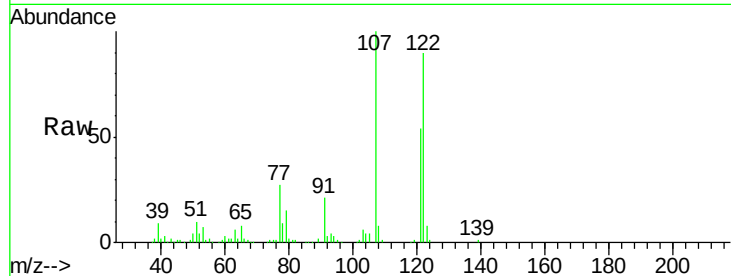
#27  
 2,4-Dimethylphenol  
 Concen: 58.244 ng  
 RT: 10.00 min Scan# 1176  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.5 | 91.3  | 136.9 |
| 121     | 59.6  | 49.2  | 73.8  |

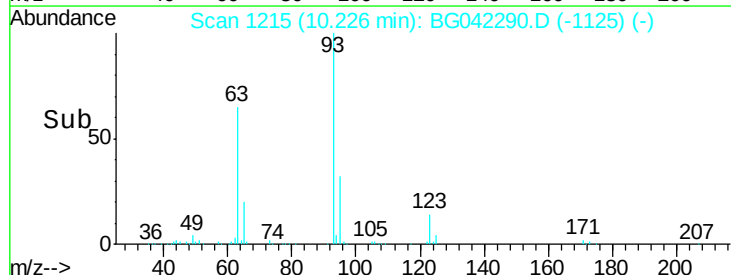
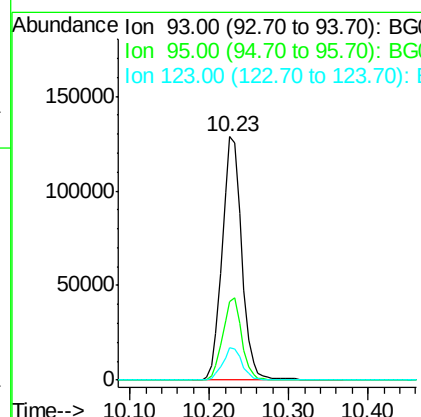
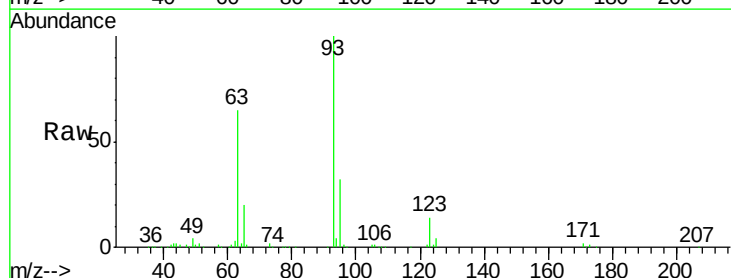
Manual Integrations  
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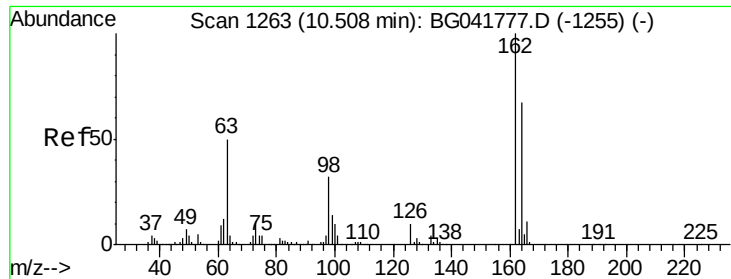
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.211 ng  
 RT: 10.23 min Scan# 1215  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.1  | 26.2  | 39.4  |
| 123     | 13.5  | 9.9   | 14.9  |





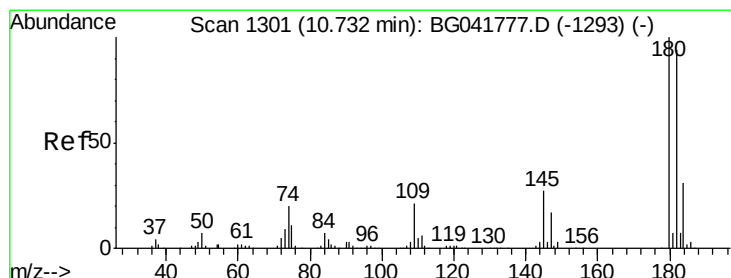
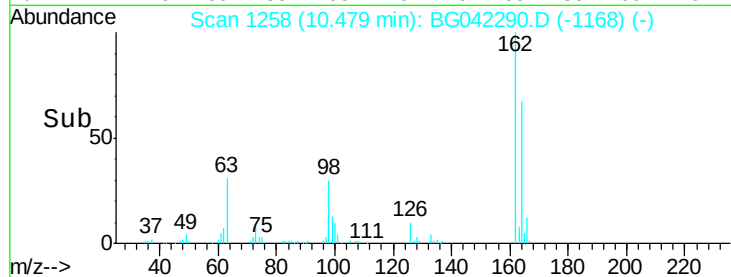
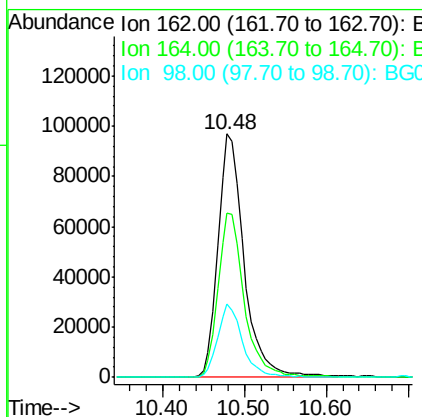
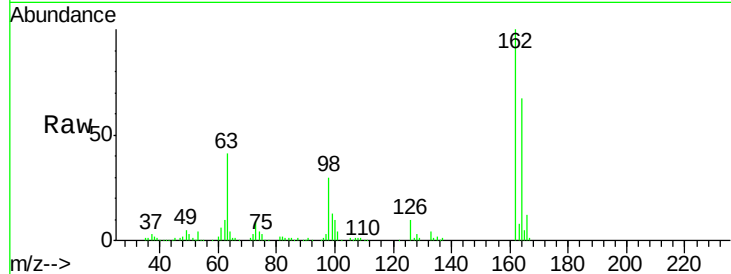
#29  
 2,4-Dichlorophenol  
 Concen: 57.116 ng  
 RT: 10.48 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 215368 |       |       |
| 164     | 67.4  | 46.1   | 86.1  |       |
| 98      | 30.0  | 14.7   | 54.7  |       |

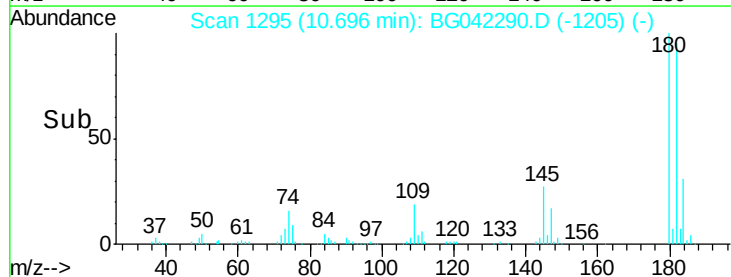
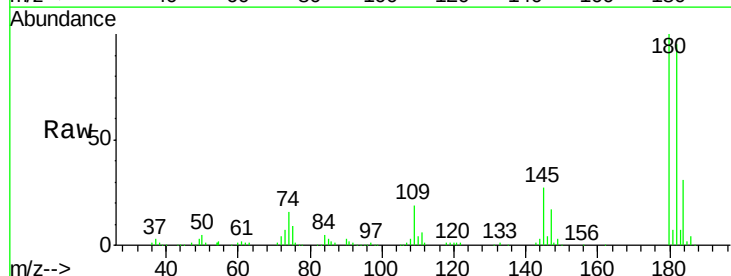
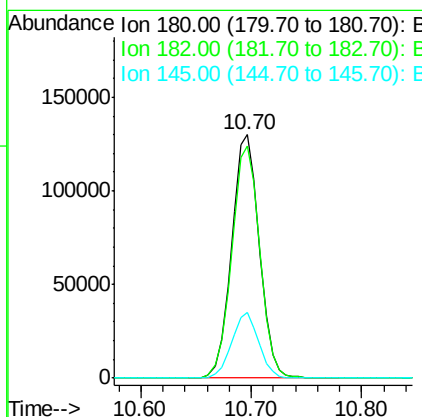
Manual Integrations  
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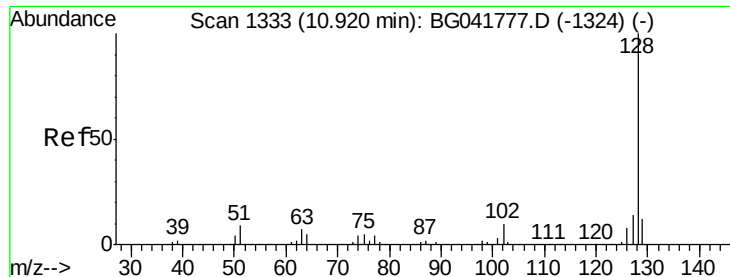
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 47.712 ng  
 RT: 10.70 min Scan# 1295  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 228141 |       |       |
| 182     | 95.2  | 76.2   | 114.2 |       |
| 145     | 26.7  | 23.8   | 35.8  |       |





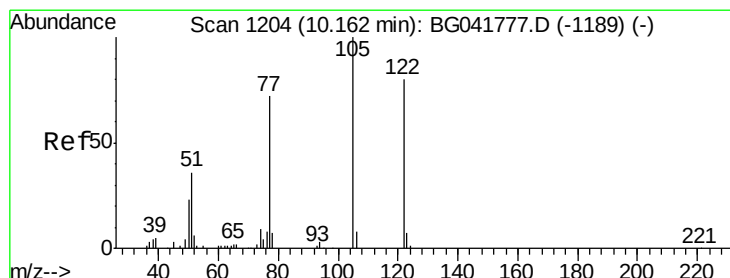
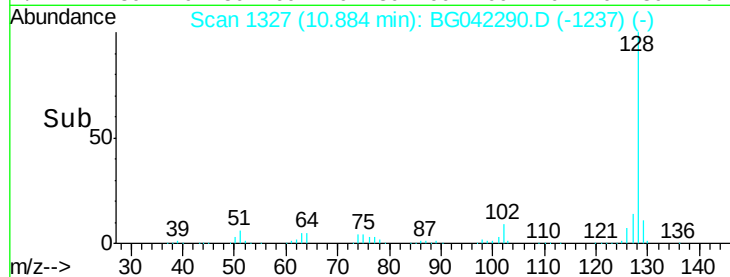
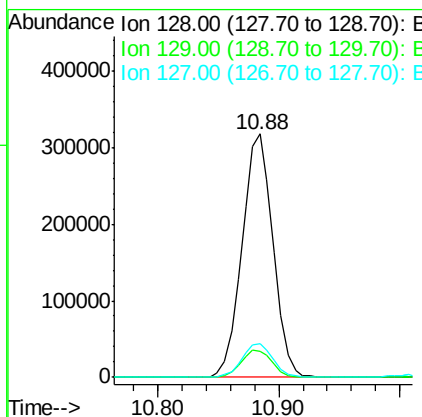
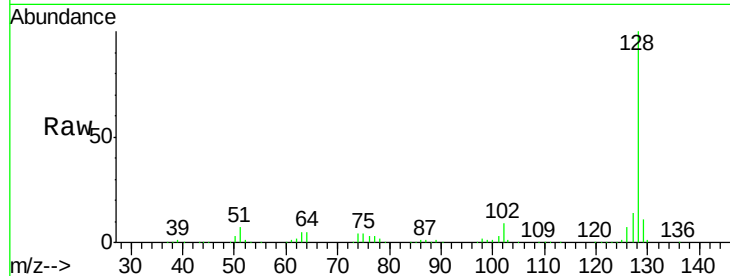
#31  
Naphthalene  
Concen: 49.971 ng  
RT: 10.88 min Scan# 1327  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 10.0  | 15.0  |
| 127     | 13.9  | 12.3  | 18.5  |

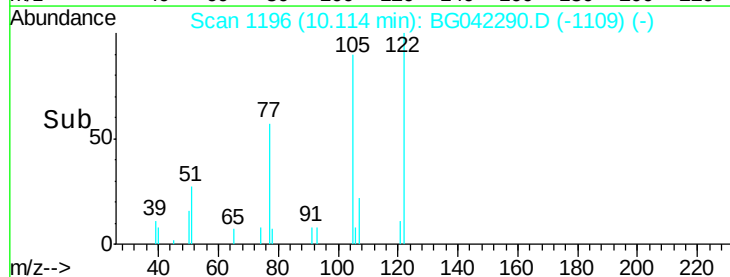
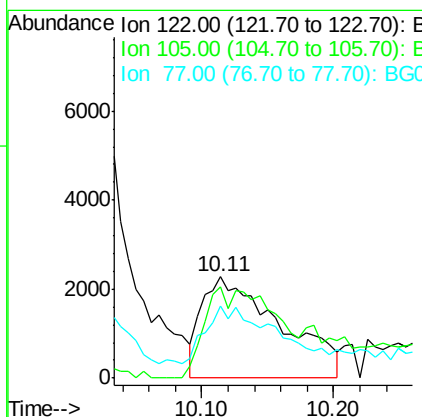
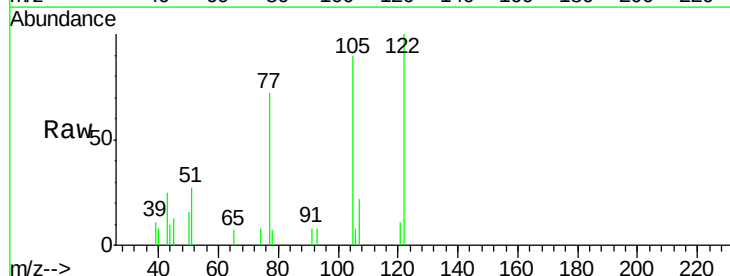
Manual Integrations  
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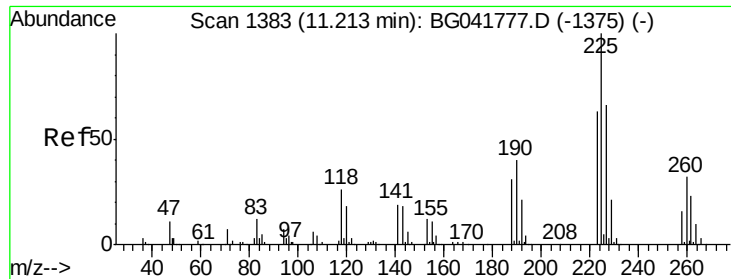
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#32  
Benzoic acid  
Concen: 12.199 ng m  
RT: 10.11 min Scan# 1196  
Delta R.T. -0.02 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 90.0  | 101.5 | 141.5# |
| 77      | 71.7  | 73.0  | 113.0# |





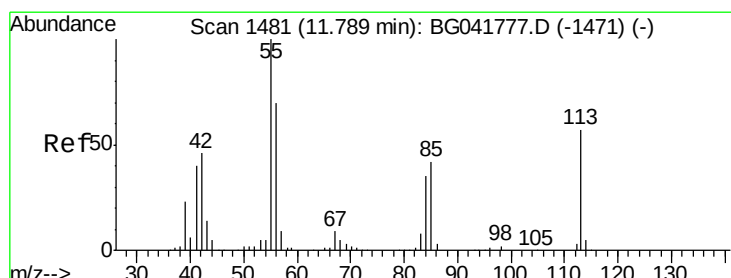
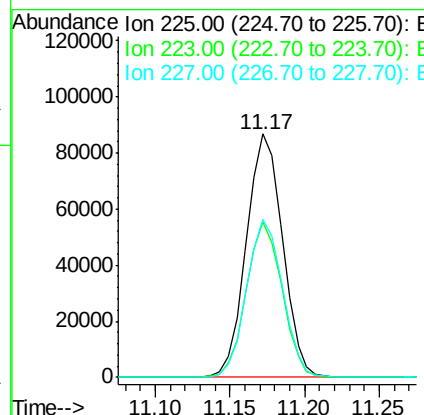
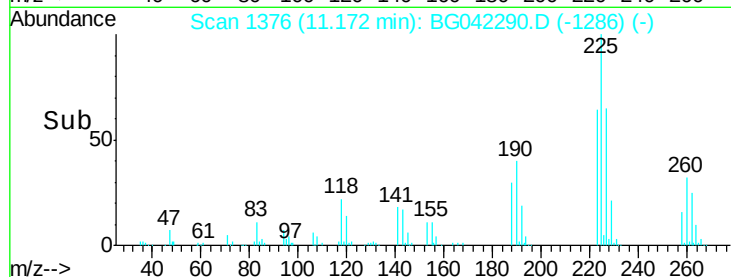
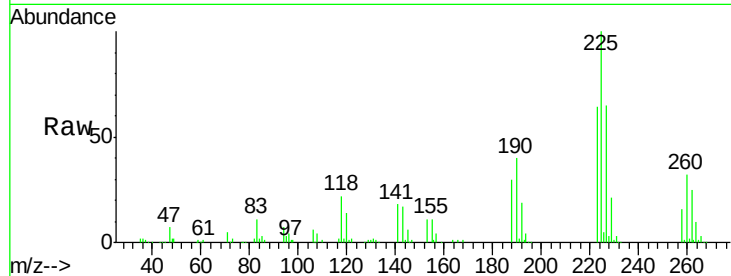
#34  
Hexachlorobutadiene  
Concen: 45.122 ng  
RT: 11.17 min Scan# 1376  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 145617 |       |       |
| 223     | 63.8  | 51.1   | 76.7  |       |
| 227     | 64.6  | 50.9   | 76.3  |       |

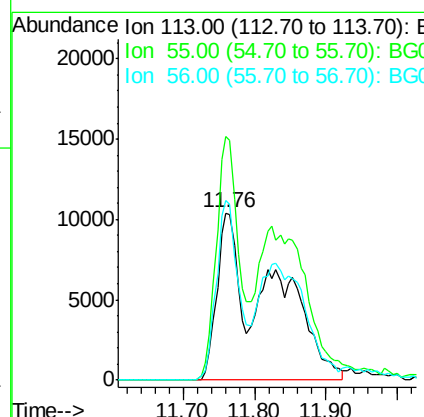
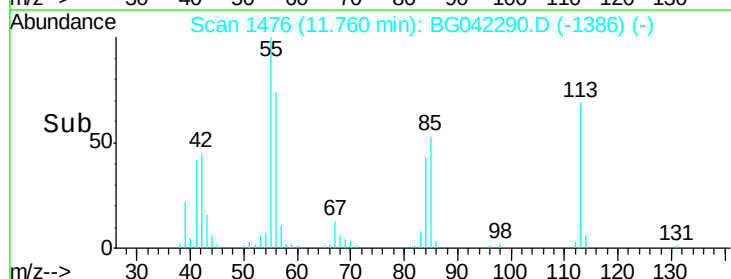
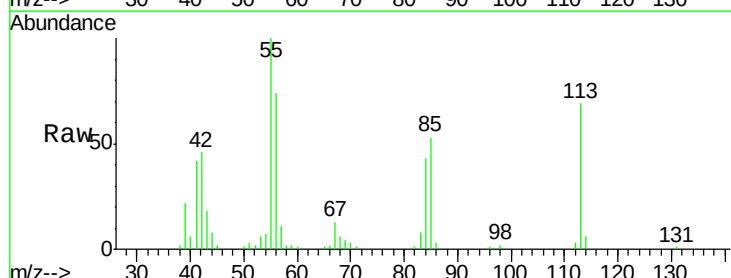
Manual Integrations  
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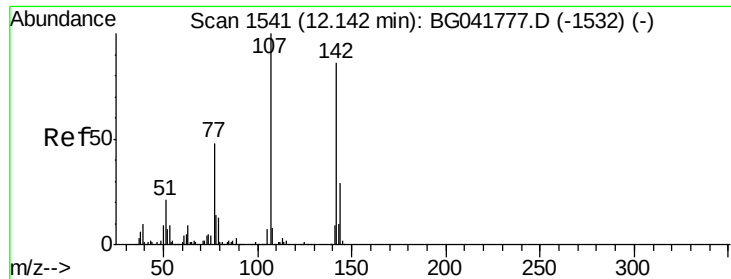
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#35  
Caprolactam  
Concen: 41.088 ng m  
RT: 11.76 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 113     | 100   | 53843 |        |       |
| 55      | 146.0 | 199.4 | 239.4# |       |
| 56      | 108.0 | 133.6 | 173.6# |       |





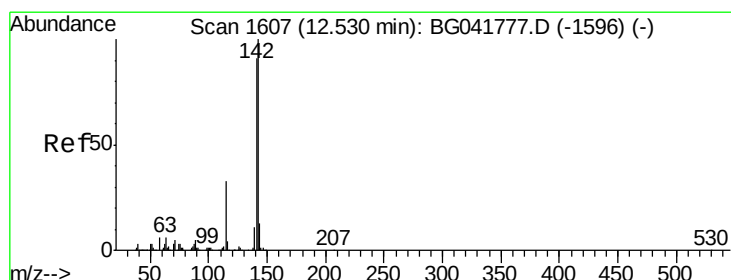
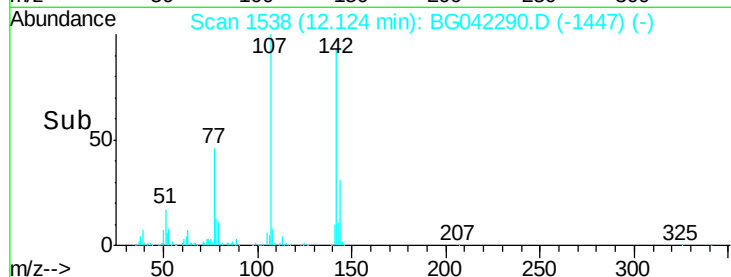
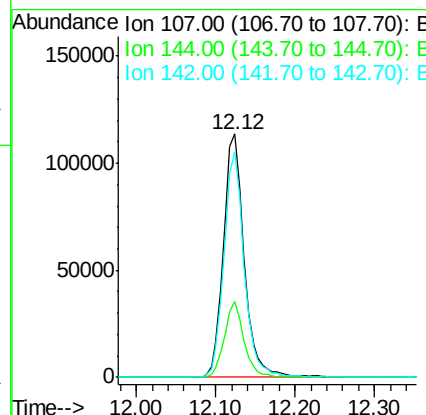
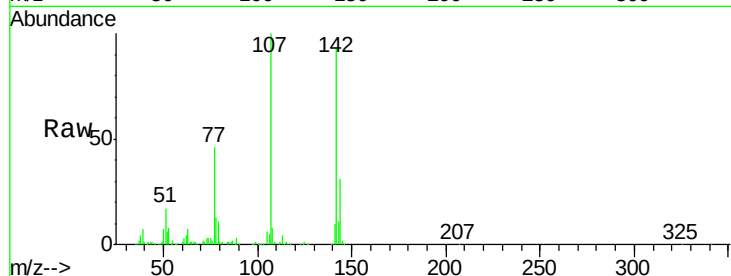
#36  
 4-Chloro-3-methylphenol  
 Concen: 55.219 ng  
 RT: 12.12 min Scan# 1538  
 Delta R.T. 0.01 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 31.2  | 22.2  | 33.2  |
| 142     | 92.6  | 67.3  | 100.9 |

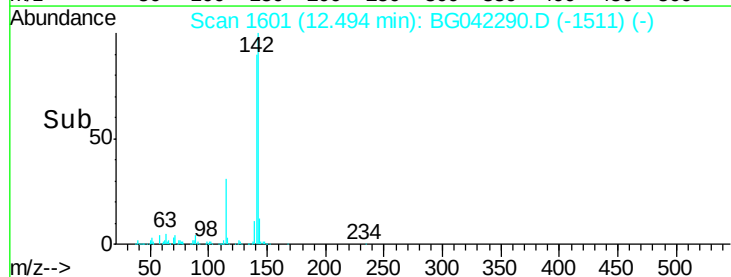
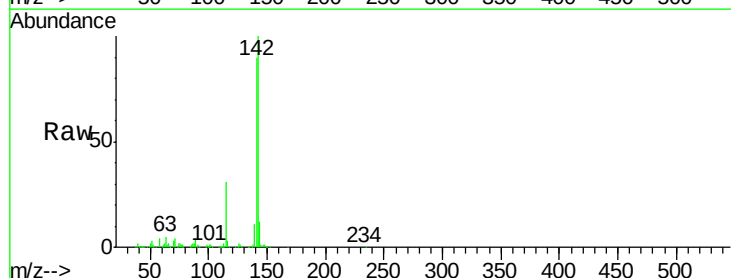
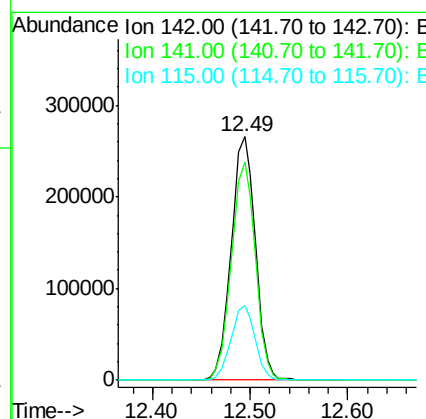
Manual Integrations  
 APPROVED

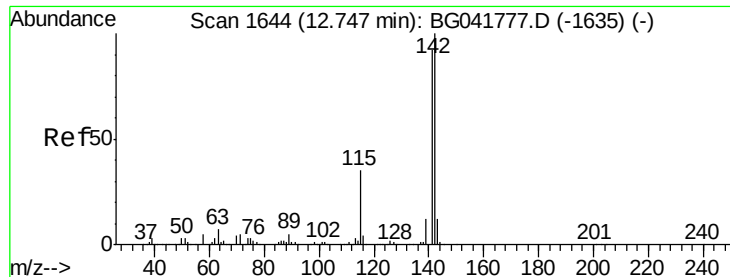
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 8/19/2019 2:19:46 PM



#37  
 2-Methylnaphthalene  
 Concen: 51.152 ng  
 RT: 12.49 min Scan# 1601  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 72.7  | 109.1 |
| 115     | 30.8  | 27.0  | 40.4  |





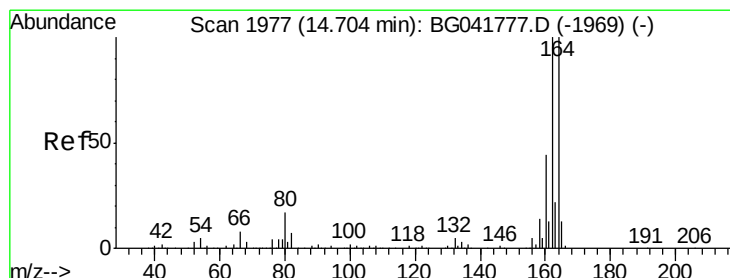
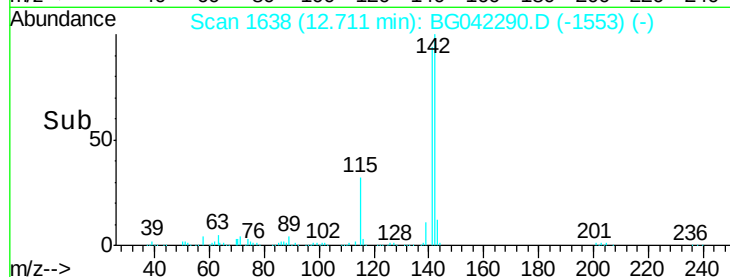
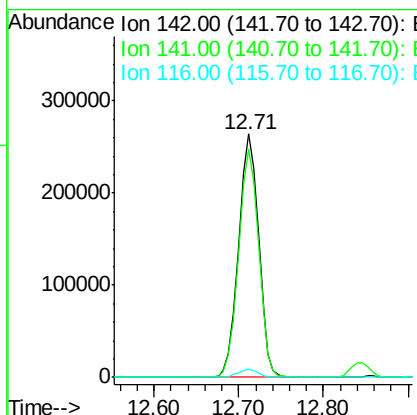
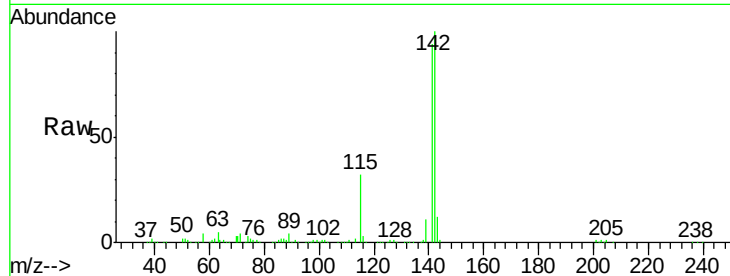
#38  
1-Methylnaphthalene  
Concen: 50.508 ng  
RT: 12.71 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.7  | 75.4  | 113.2 |
| 116     | 3.4   | 3.2   | 4.8   |

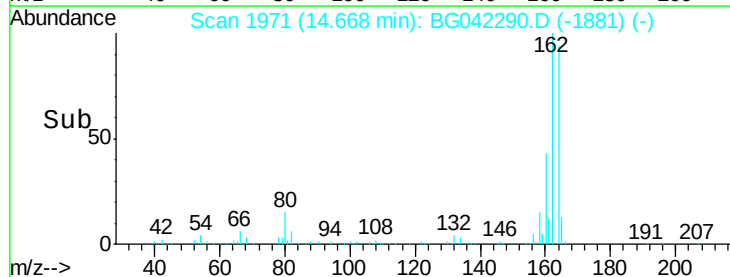
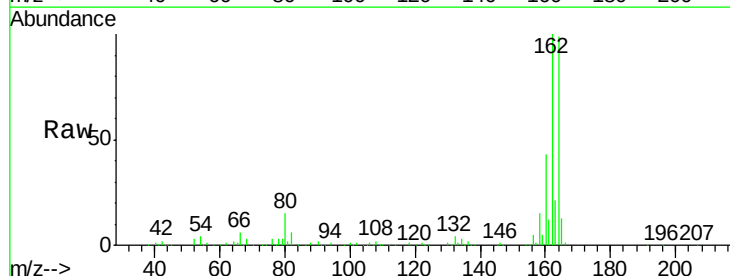
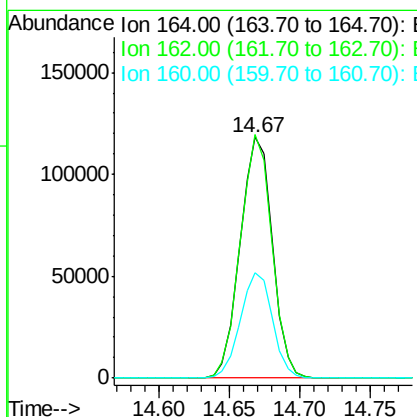
Manual Integrations  
APPROVED

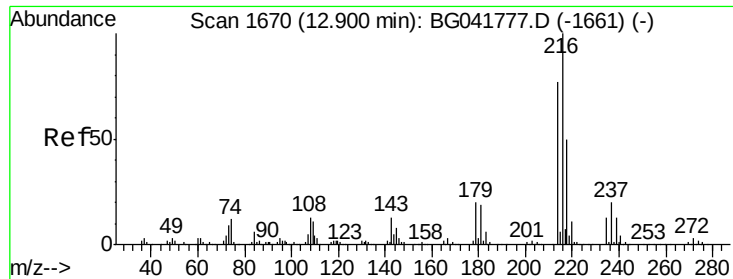
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.1 | 79.6  | 119.4 |
| 160     | 43.5  | 35.4  | 53.0  |





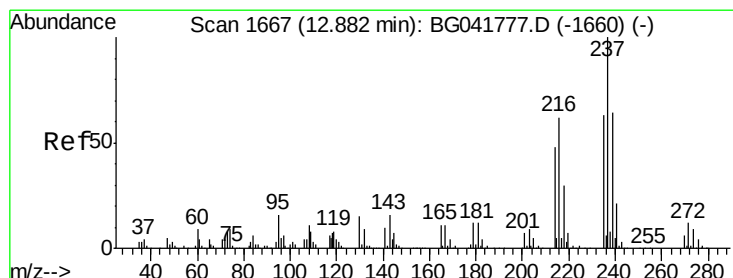
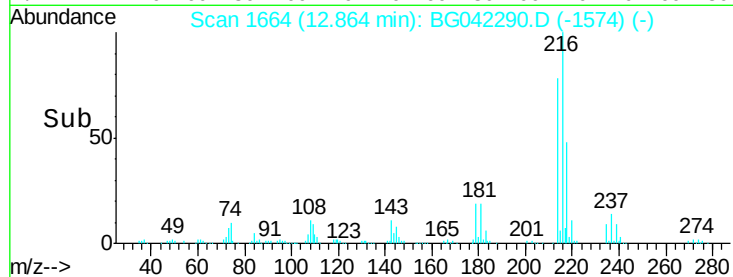
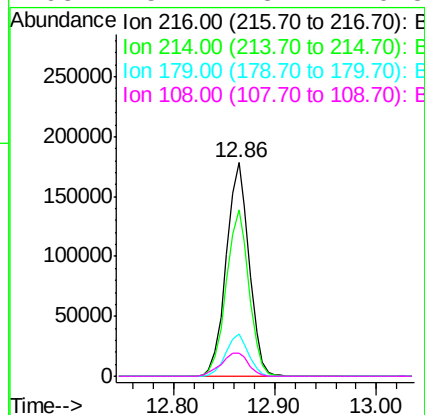
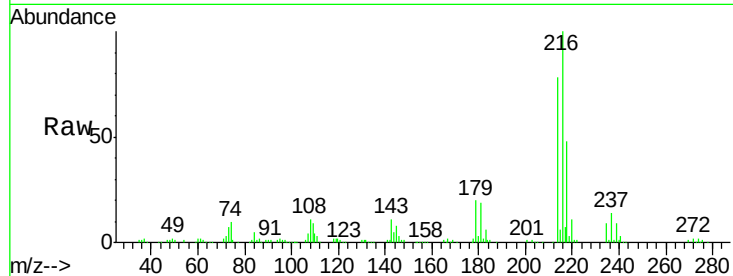
#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 46.675 ng  
 RT: 12.86 min Scan# 1664  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 216  | Resp: | 278347 |
| Ion Ratio |      | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 77.3 | 61.5  | 92.3   |
| 179       | 19.4 | 16.2  | 24.2   |
| 108       | 13.1 | 13.2  | 19.8#  |

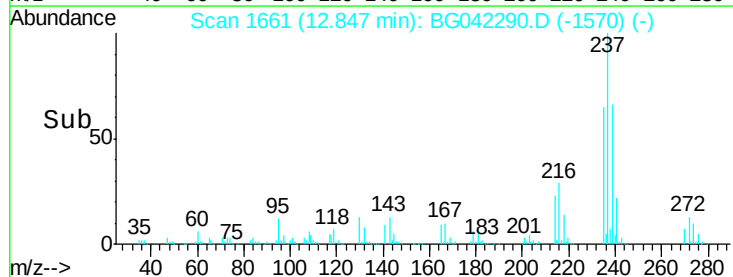
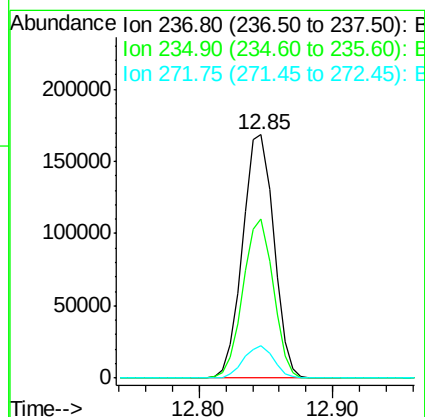
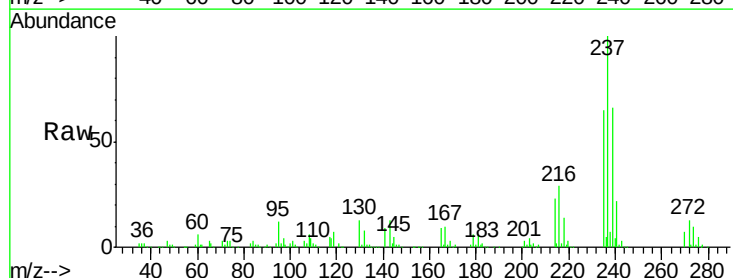
Manual Integrations  
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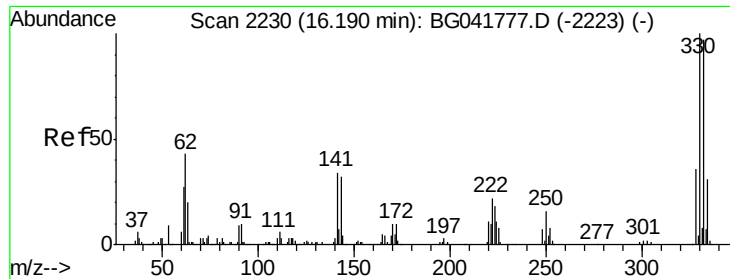


#41  
 Hexachlorocyclopentadiene  
 Concen: 81.089 ng  
 RT: 12.85 min Scan# 1661  
 Delta R.T. 0.01 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 237  | Resp: | 271878 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 65.4 | 43.5  | 83.5   |
| 272       | 13.1 | 0.0   | 31.2   |







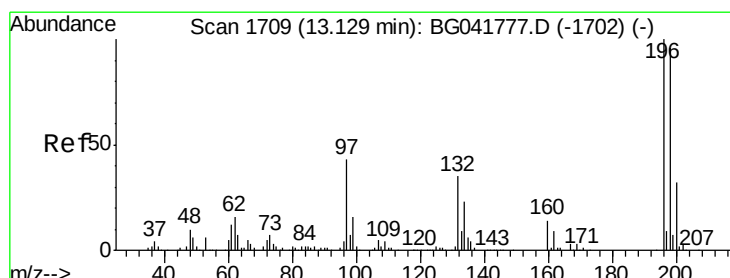
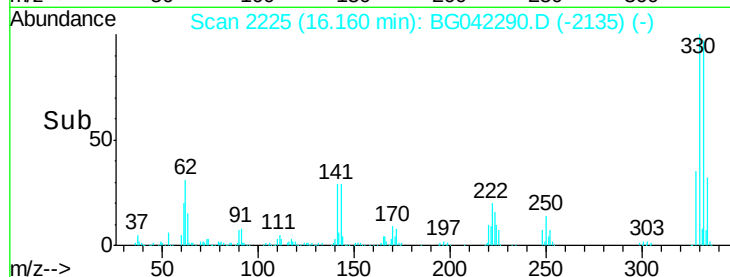
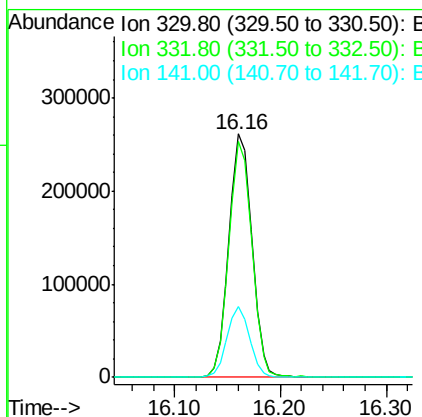
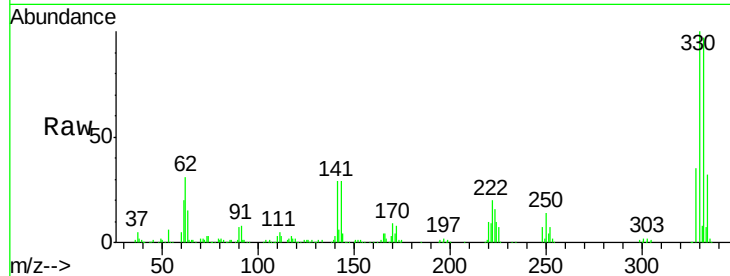
#42  
 2,4,6-Tribromophenol  
 Concen: 185.533 ng  
 RT: 16.16 min Scan# 2225  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 397023 |       |       |
| 332     | 96.6  |        | 77.4  | 116.0 |
| 141     | 28.4  |        | 31.9  | 47.9# |

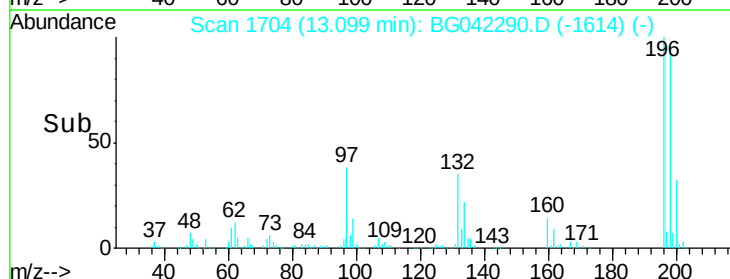
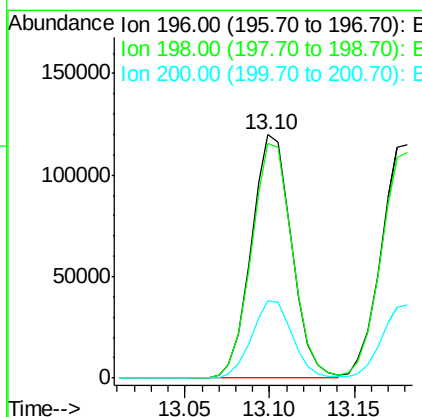
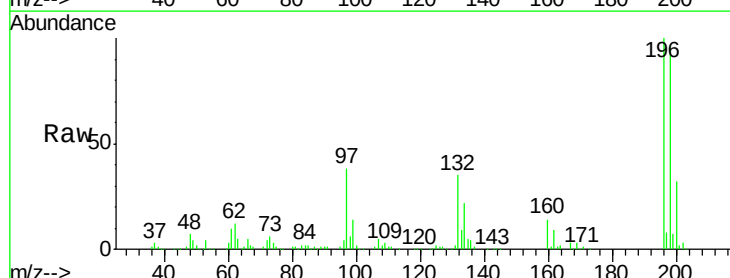
Manual Integrations  
 APPROVED

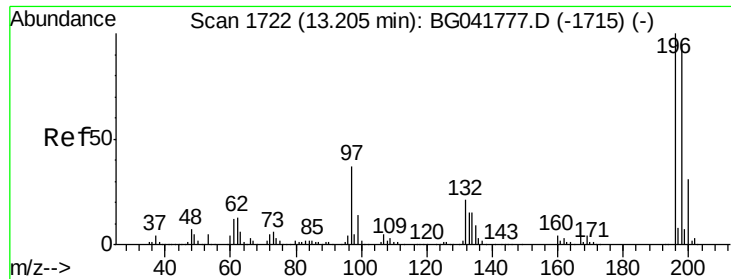
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#43  
 2,4,6-Trichlorophenol  
 Concen: 52.769 ng  
 RT: 13.10 min Scan# 1704  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 198895 |       |       |
| 198     | 96.5  |        | 79.6  | 119.4 |
| 200     | 31.9  |        | 25.2  | 37.8  |





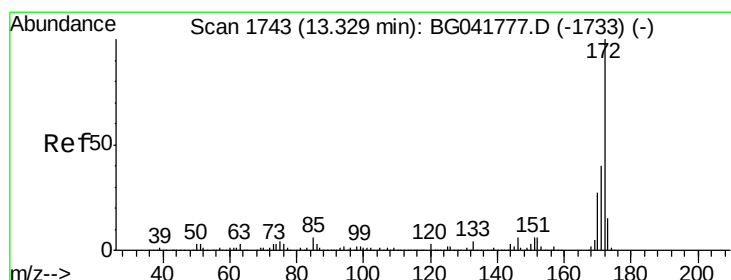
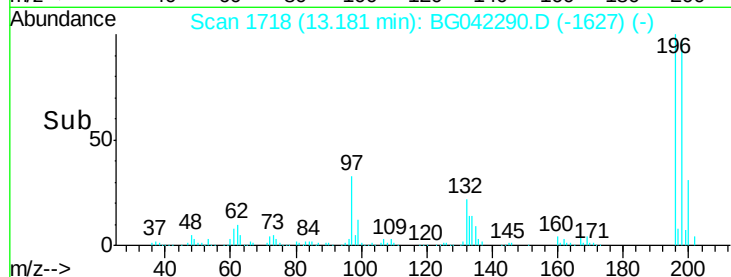
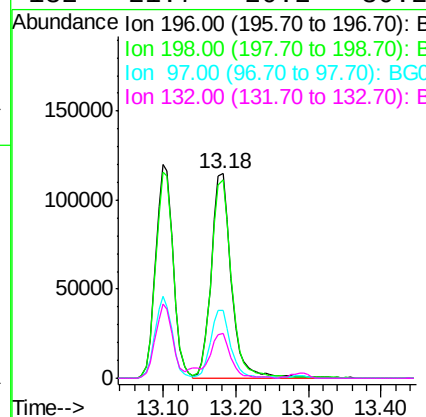
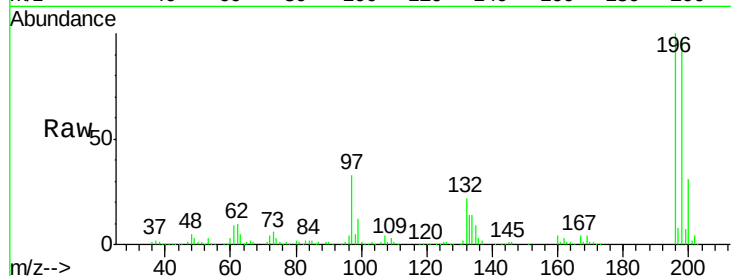
#44  
 2,4,5-Trichlorophenol  
 Concen: 56.416 ng  
 RT: 13.18 min Scan# 1718  
 Delta R.T. 0.01 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 220975 |       |       |
| 198     | 96.8  | 80.6   | 121.0 |       |
| 97      | 33.0  | 33.9   | 50.9  |       |
| 132     | 21.7  | 20.2   | 30.2  |       |

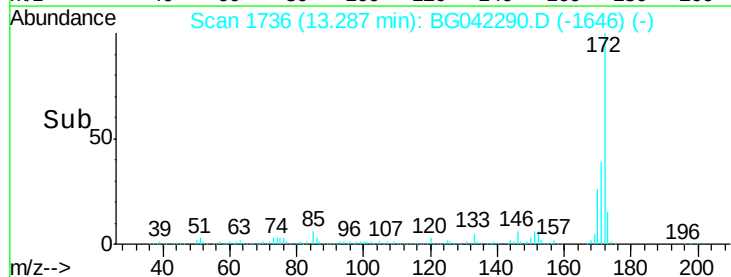
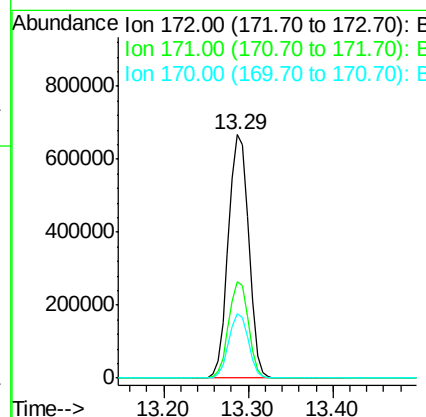
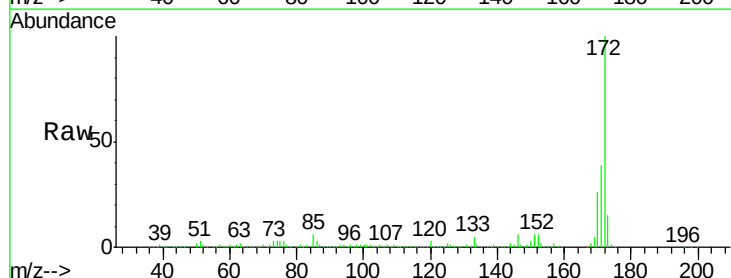
Manual Integrations  
 APPROVED

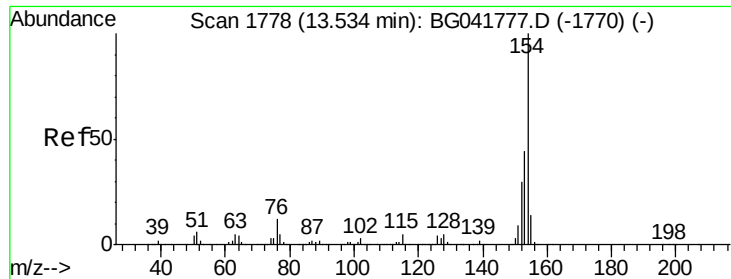
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#45  
 2-Fluorobiphenyl  
 Concen: 103.957 ng  
 RT: 13.29 min Scan# 1736  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1110433 |       |       |
| 171     | 39.5  | 35.0    | 52.4  |       |
| 170     | 26.2  | 23.5    | 35.3  |       |





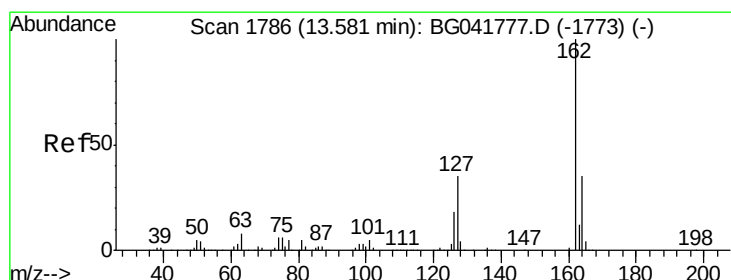
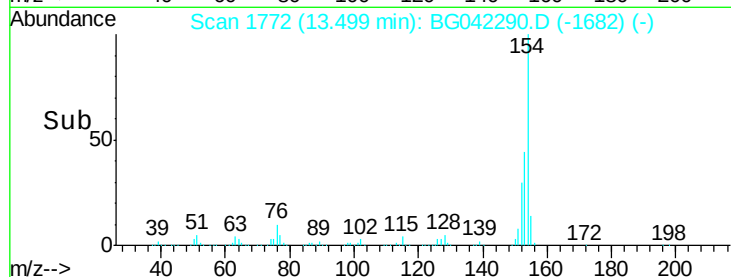
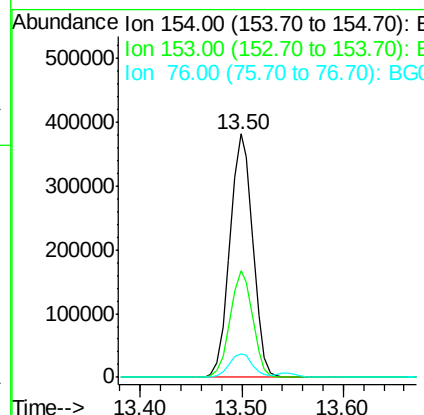
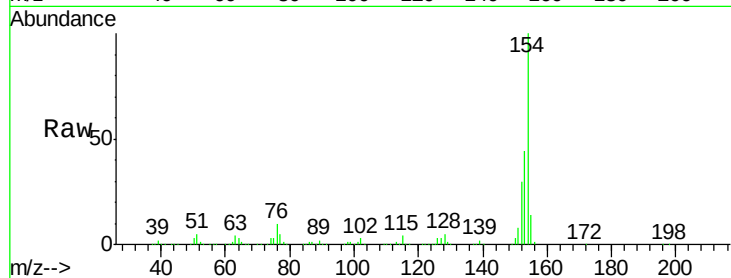
#46  
 1,1'-Biphenyl  
 Concen: 49.319 ng  
 RT: 13.50 min Scan# 1772  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.7  | 25.0  | 65.0  |
| 76      | 9.9   | 0.0   | 34.5  |

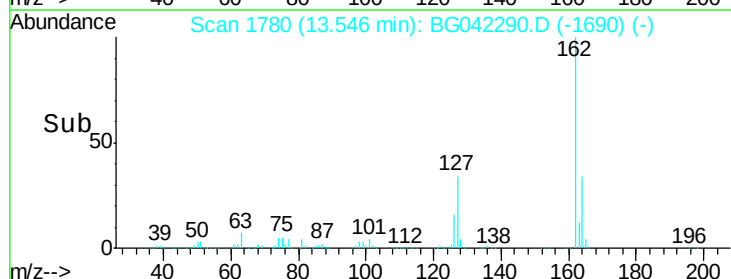
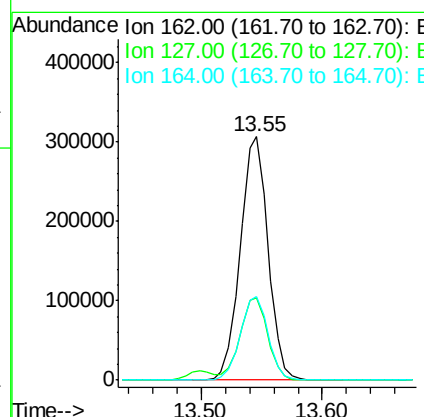
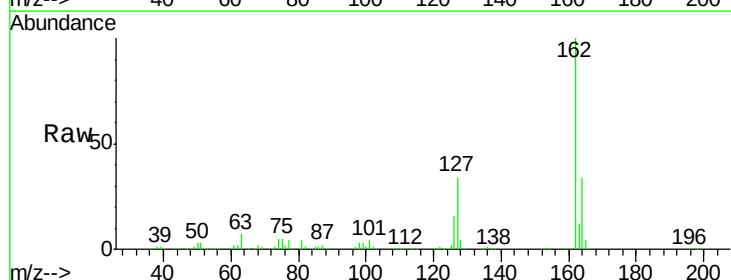
Manual Integrations  
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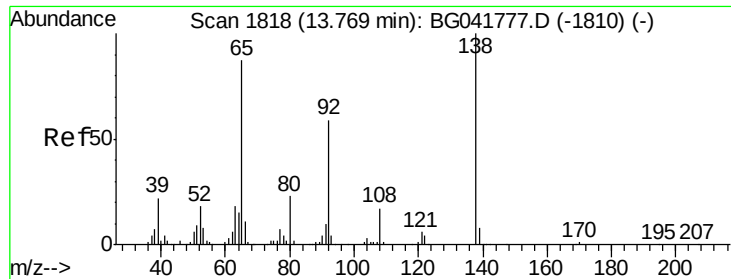
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#47  
 2-Chloronaphthalene  
 Concen: 47.647 ng  
 RT: 13.55 min Scan# 1780  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 33.6  | 30.4  | 45.6  |
| 164     | 34.4  | 28.6  | 42.8  |





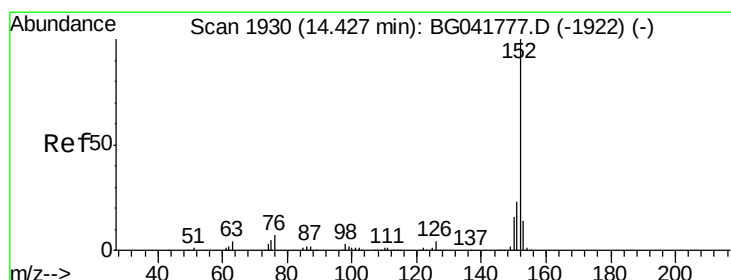
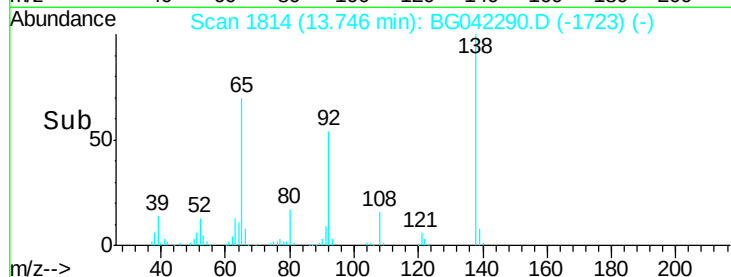
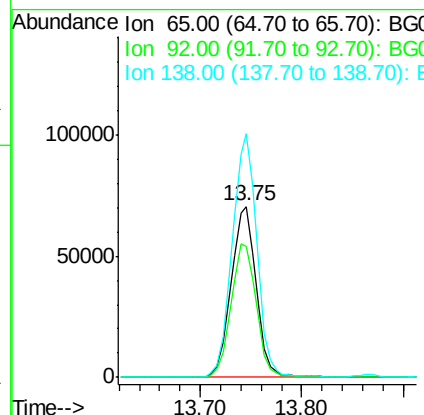
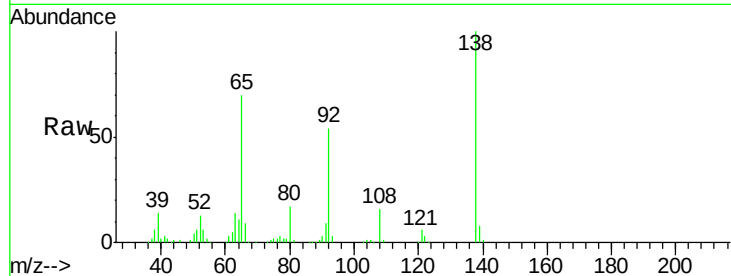
#48  
2-Nitroaniline  
Concen: 46.220 ng  
RT: 13.75 min Scan# 1814  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 120867 |       |       |
| 92      | 76.4  | 53.9   | 80.9  |       |
| 138     | 142.5 | 83.5   | 125.3 |       |

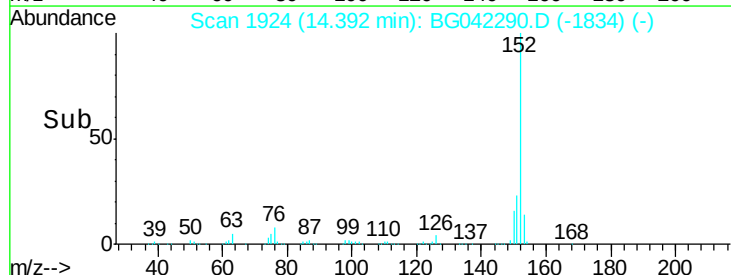
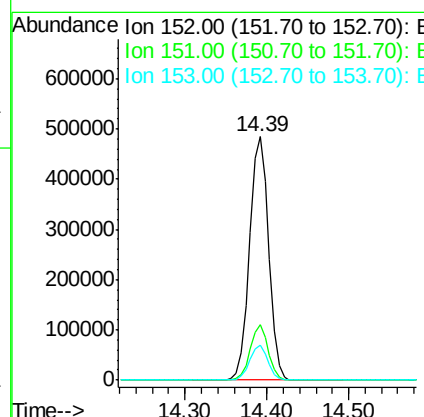
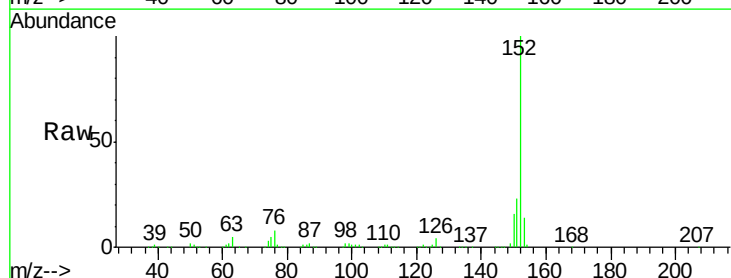
Manual Integrations  
APPROVED

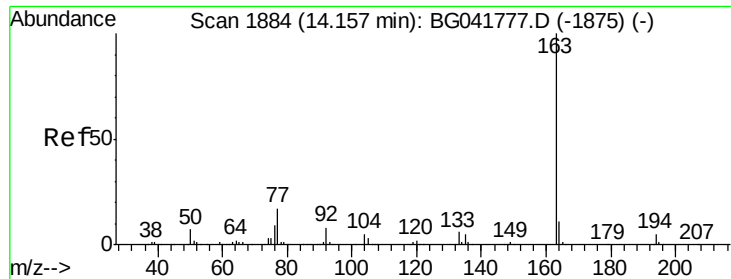
Jagrut  
8/19/2019 2:19:46 PM



#49  
Acenaphthylene  
Concen: 50.692 ng  
RT: 14.39 min Scan# 1924  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 781840 |       |       |
| 151     | 22.6  | 18.7   | 28.1  |       |
| 153     | 14.3  | 12.4   | 18.6  |       |





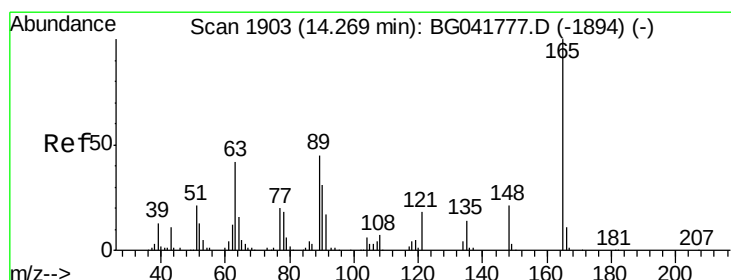
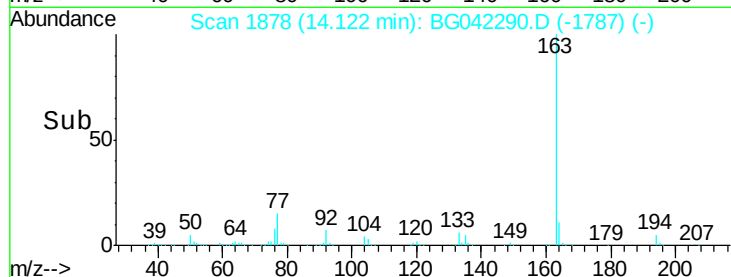
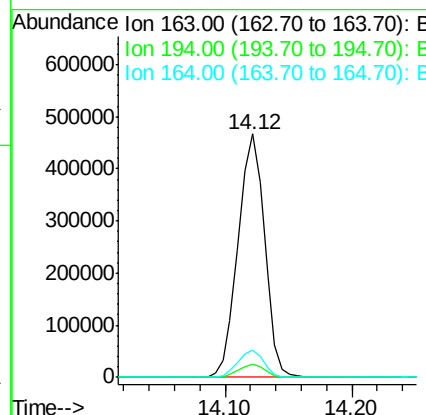
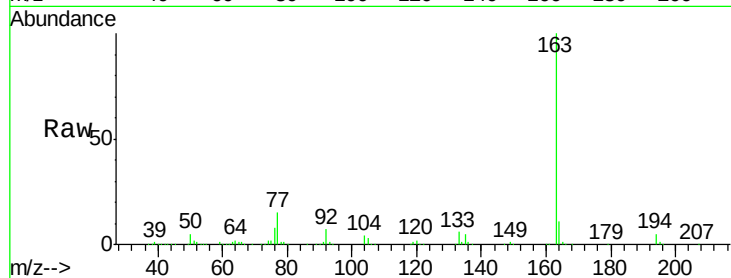
#50  
Dimethylphthalate  
Concen: 52.574 ng  
RT: 14.12 min Scan# 1878  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 676440 |       |       |
| 194     | 5.4   |        | 4.2   | 6.2   |
| 164     | 11.2  |        | 9.4   | 14.2  |

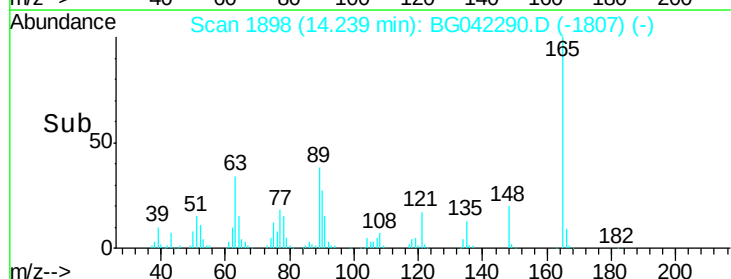
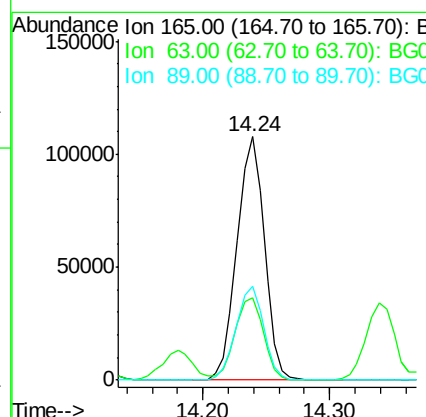
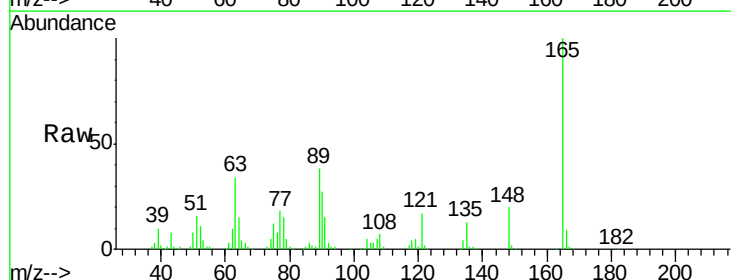
Manual Integrations  
APPROVED

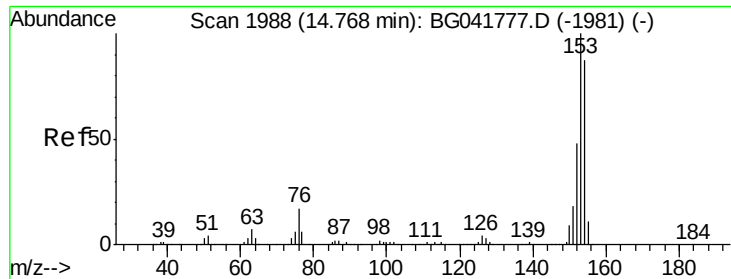
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#51  
2,6-Dinitrotoluene  
Concen: 59.813 ng  
RT: 14.24 min Scan# 1898  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 160923 |       |       |
| 63      | 33.9  |        | 42.4  | 63.6# |
| 89      | 38.4  |        | 42.1  | 63.1# |





#52

Acenaphthene

Concen: 45.988 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

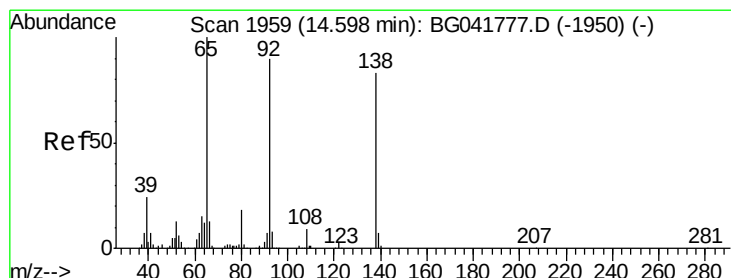
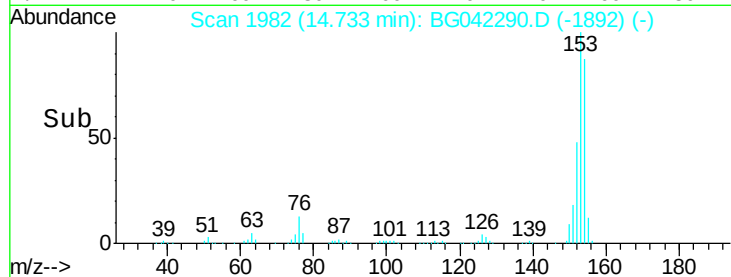
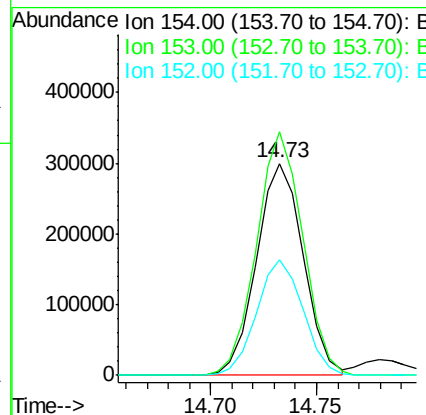
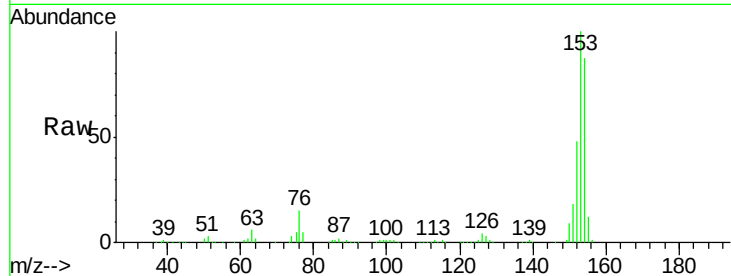
ClientSampleId :

JC-03-081519-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 461324 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.7 | 89.8  | 134.6  |
| 152       | 54.7  | 44.9  | 67.3   |

Manual Integrations  
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#53

3-Nitroaniline

Concen: 11.153 ng

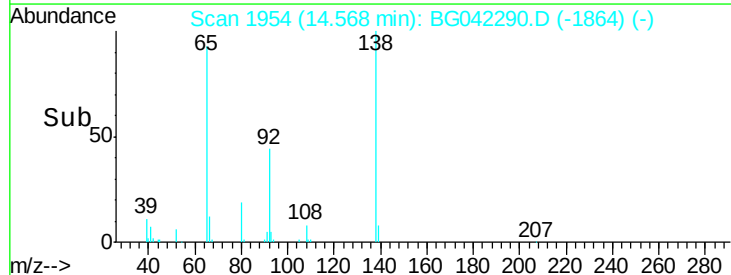
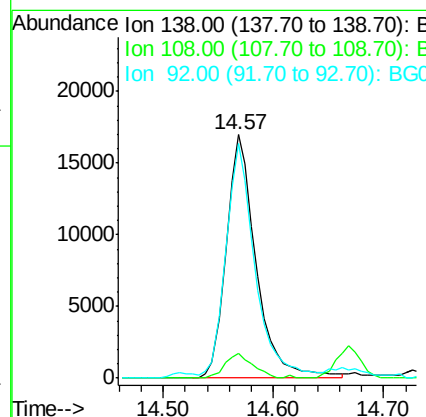
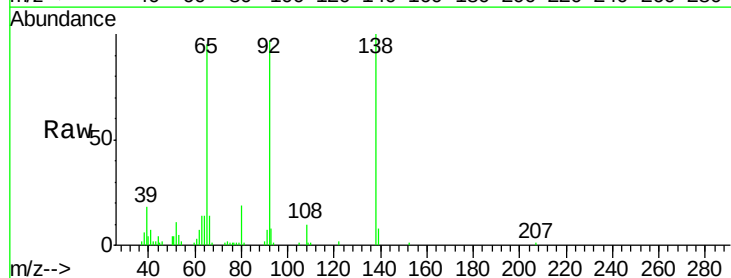
RT: 14.57 min Scan# 1954

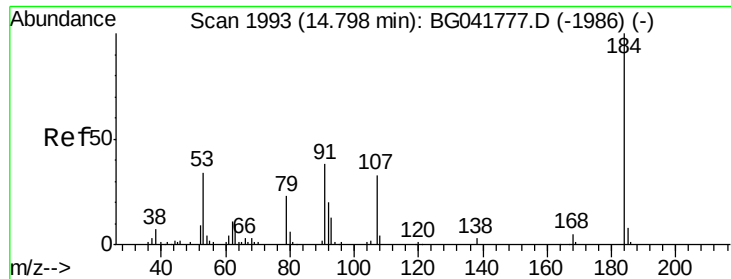
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 32101 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.9   | 10.3  | 15.5# |
| 92        | 96.6  | 93.0  | 139.4 |





#54

2,4-Dinitrophenol

Concen: 58.846 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

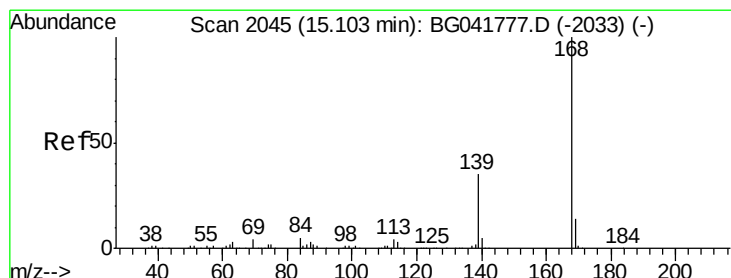
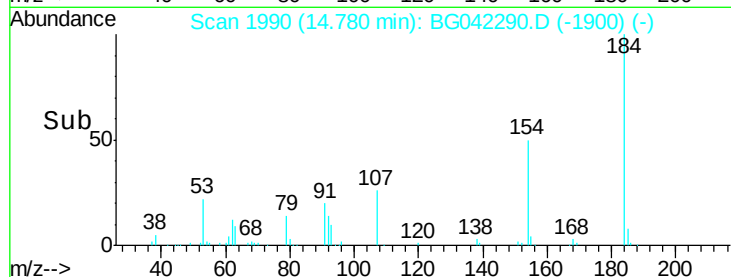
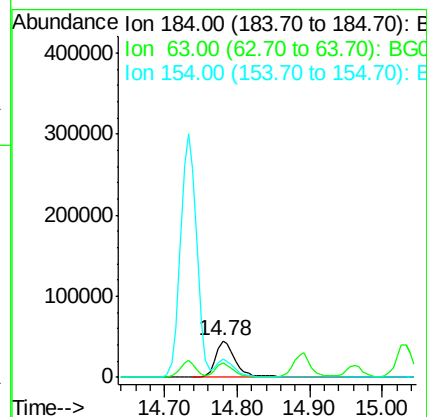
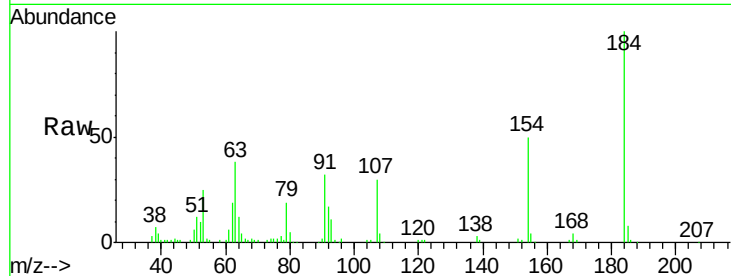
ClientSampleId :

JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 38.2  | 43.2  | 64.8# |
| 154     | 49.7  | 51.4  | 77.2# |

Manual Integrations  
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#55

Dibenzofuran

Concen: 50.719 ng

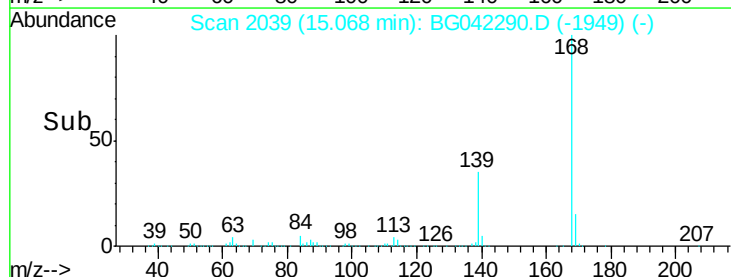
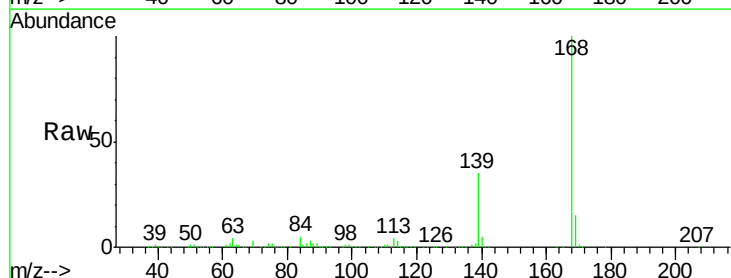
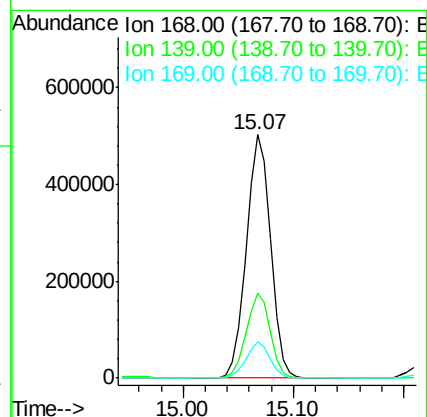
RT: 15.07 min Scan# 2039

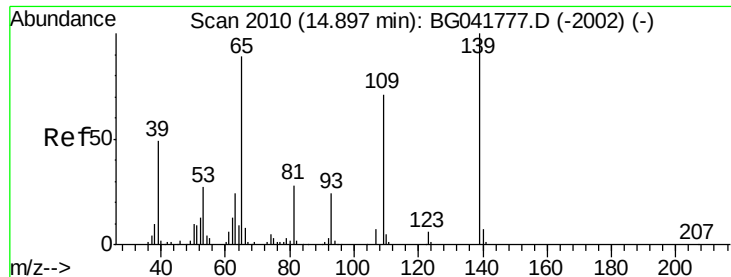
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 35.1  | 31.9  | 47.9  |
| 169     | 14.7  | 12.5  | 18.7  |





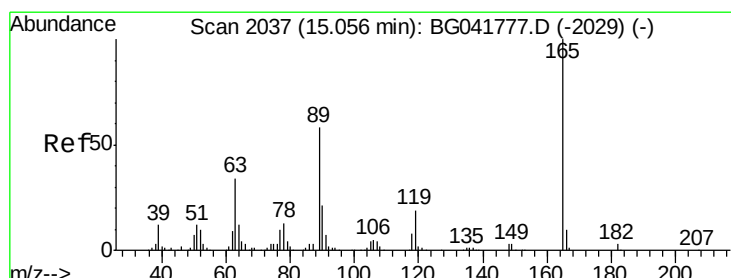
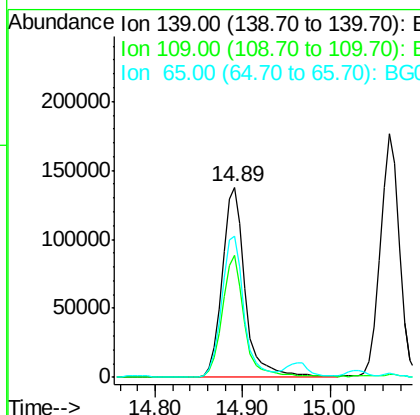
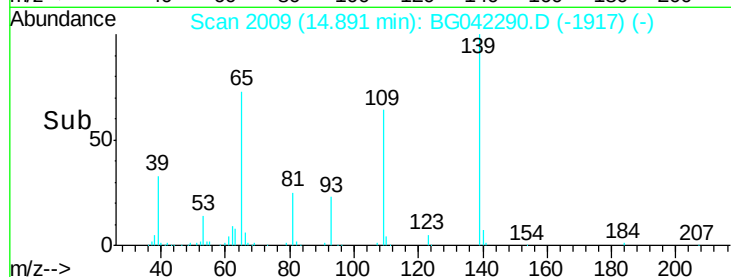
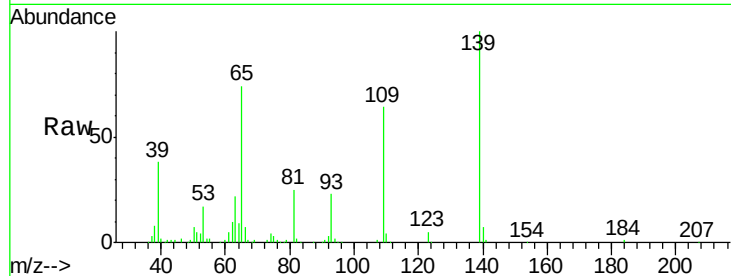
#56  
4-Nitrophenol  
Concen: 115.120 ng  
RT: 14.89 min Scan# 2009  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 251514 |       |       |
| 109     | 64.3  | 51.3   | 91.3  |       |
| 65      | 74.0  | 77.6   | 117.6 |       |

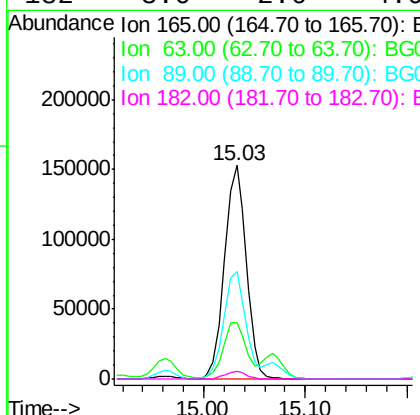
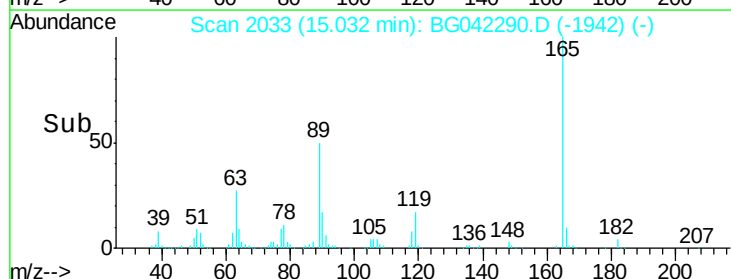
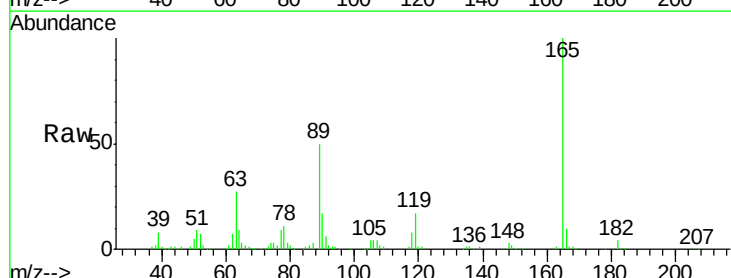
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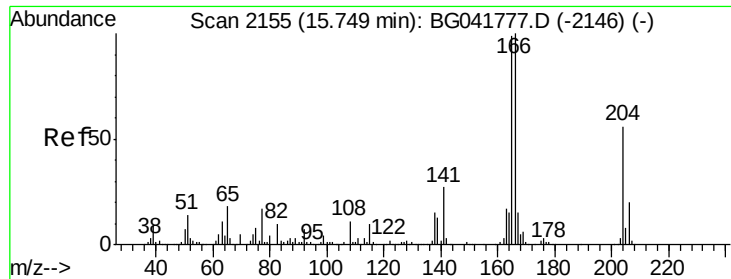


#57  
2,4-Dinitrotoluene  
Concen: 61.831 ng  
RT: 15.03 min Scan# 2033  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 228769 |       |       |
| 63      | 26.6  | 31.7   | 47.5  |       |
| 89      | 50.3  | 50.2   | 75.4  |       |
| 182     | 3.6   | 2.6    | 4.0   |       |







#58

Fluorene

Concen: 52.019 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

ClientSampleId :

JC-03-081519-AMS

Tot Ion:166 Resp: 640520

Ion Ratio Lower Upper

166 100

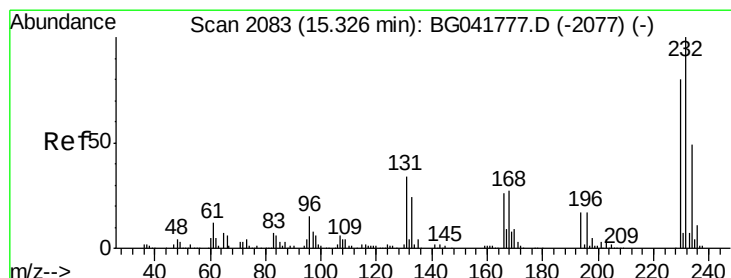
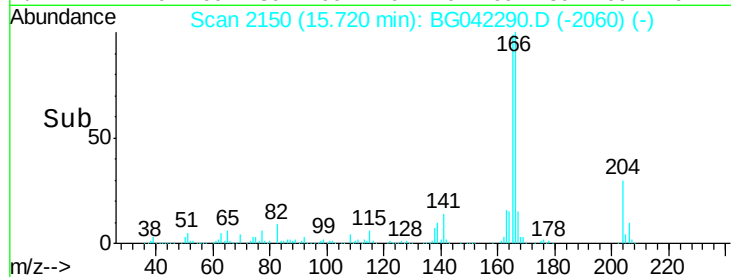
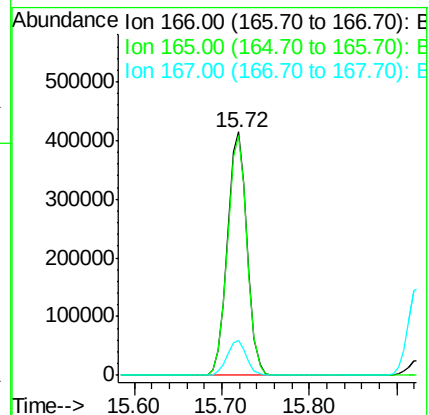
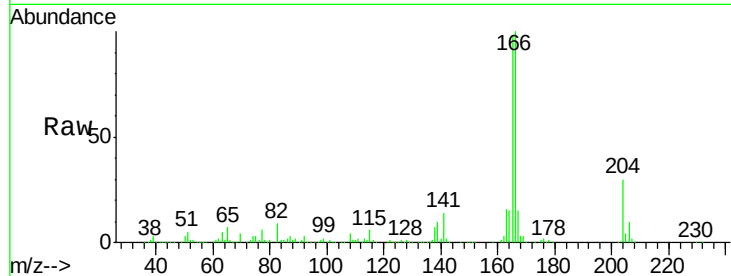
165 98.5 80.5 120.7

167 14.6 12.4 18.6

Manual Integrations  
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#59

2,3,4,6-Tetrachlorophenol

Concen: 56.153 ng

RT: 15.30 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Tgt Ion:232 Resp: 217838

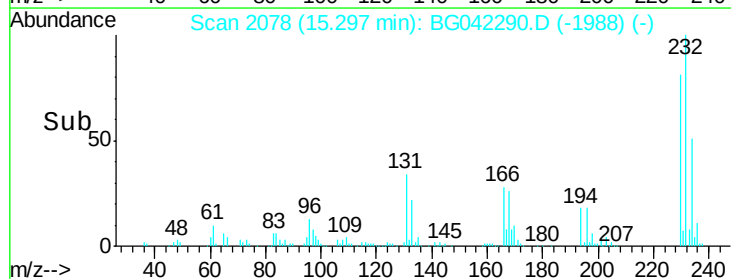
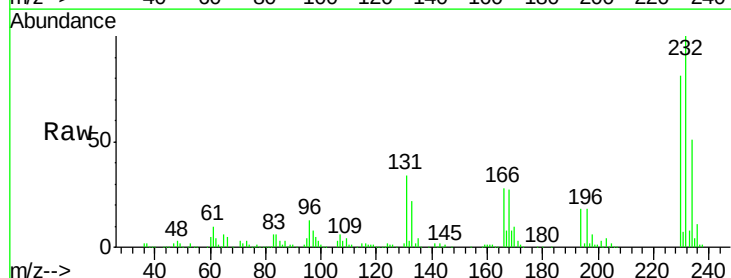
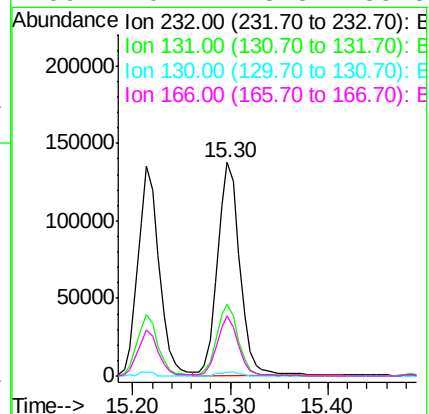
Ion Ratio Lower Upper

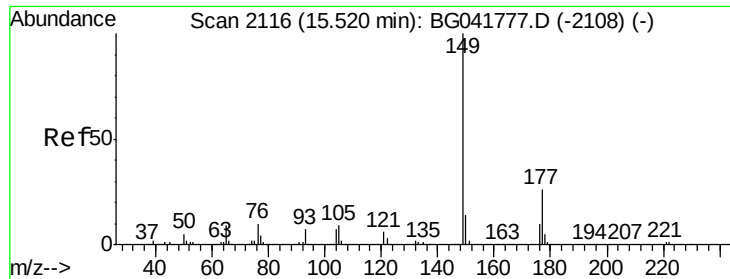
232 100

131 32.5 31.8 47.6

130 1.7 1.8 2.8#

166 26.1 23.5 35.3





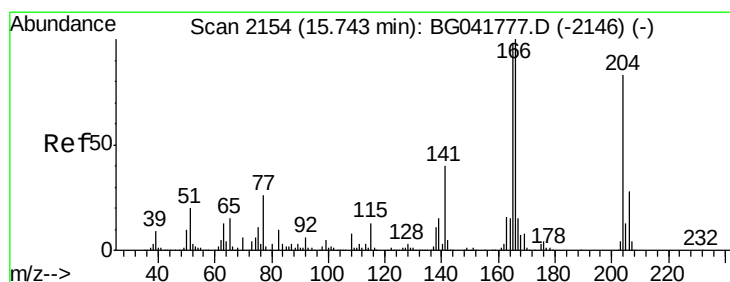
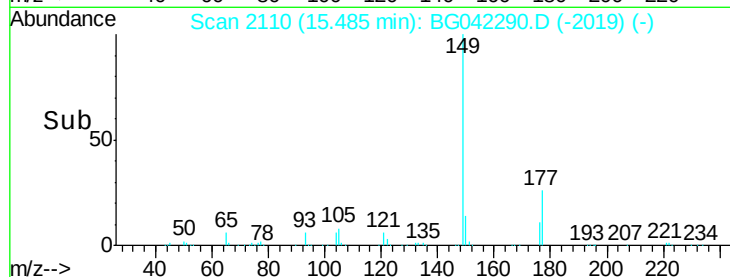
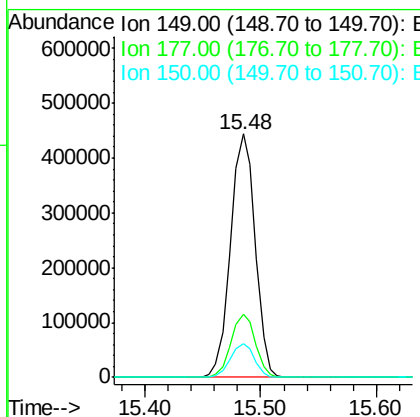
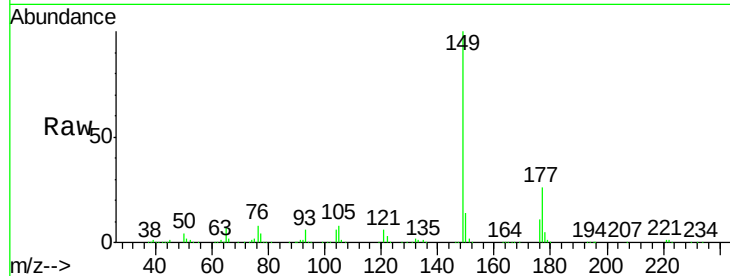
#60  
Diethylphthalate  
Concen: 51.697 ng  
RT: 15.48 min Scan# 2110  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 653031 |       |       |
| 177     | 26.1  |        | 20.7  | 31.1  |
| 150     | 14.0  |        | 11.5  | 17.3  |

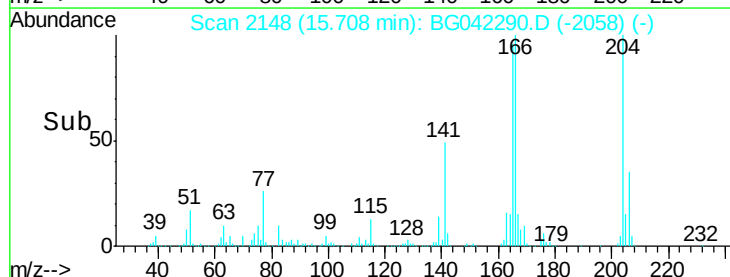
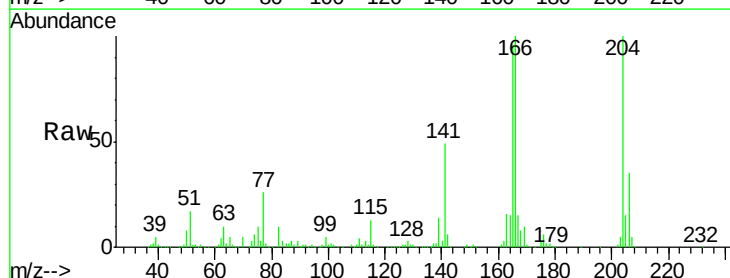
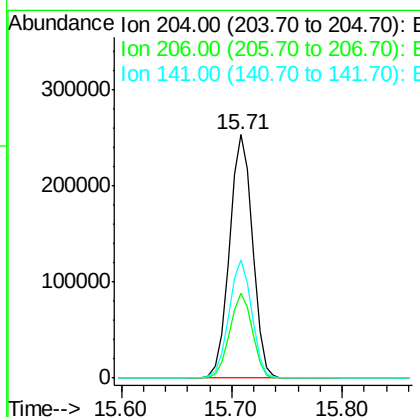
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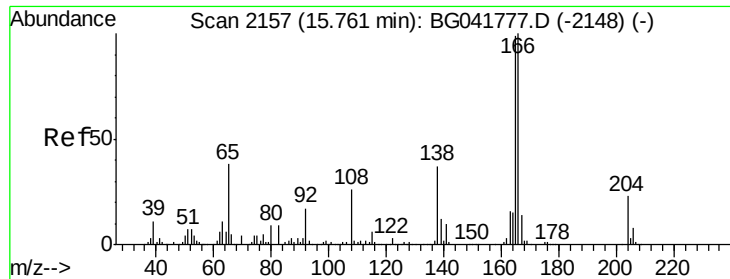
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8/19/2019 2:19:46 PM



#61  
4-Chlorophenyl-phenylether  
Concen: 49.394 ng  
RT: 15.71 min Scan# 2148  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 371295 |       |       |
| 206     | 34.9  |        | 28.6  | 42.8  |
| 141     | 48.6  |        | 42.9  | 64.3  |





#62

4-Nitroaniline

Concen: 48.487 ng

RT: 15.74 min Scan# 2153

Delta R.T. 0.01 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

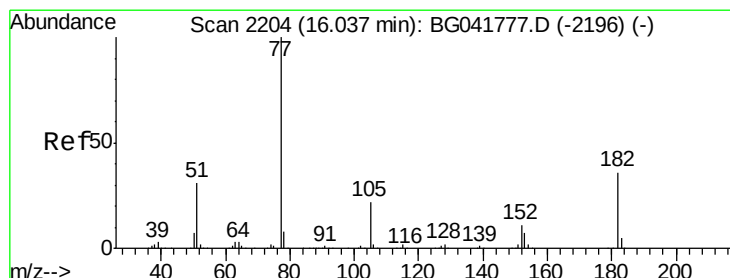
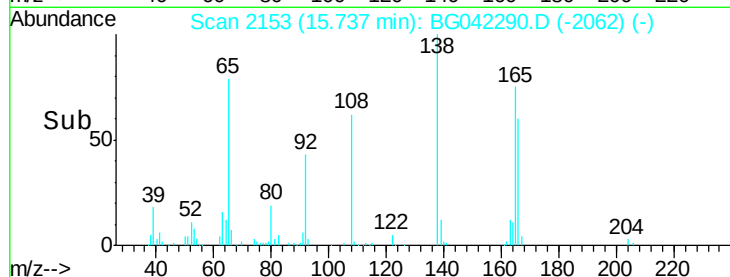
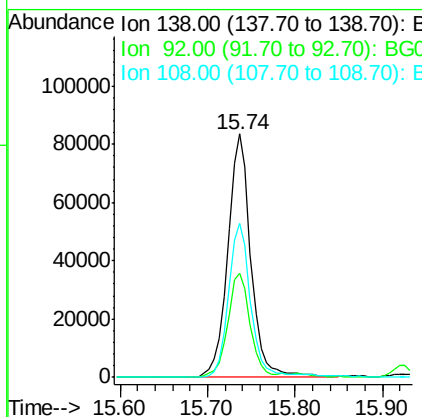
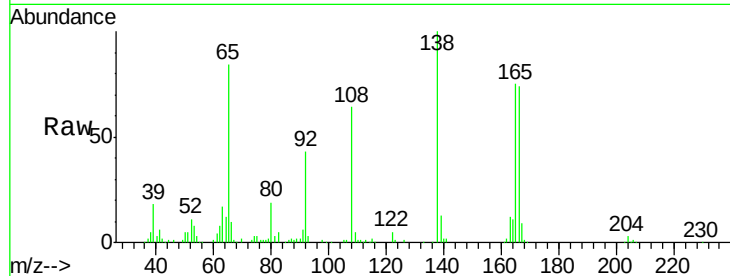
ClientSampleId :

JC-03-081519-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 151162 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 42.7  | 29.8  | 69.8   |
| 108       | 63.5  | 52.2  | 92.2   |

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#63

Azobenzene

Concen: 44.686 ng

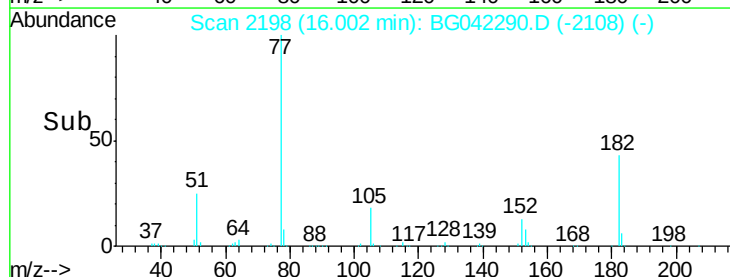
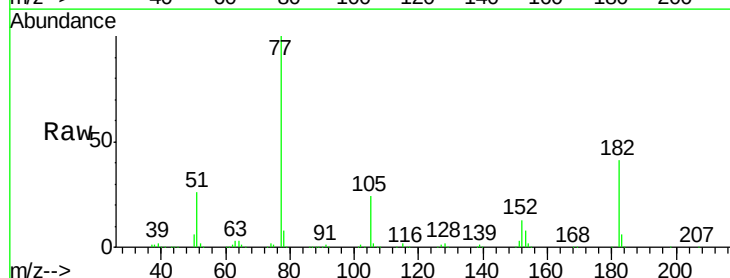
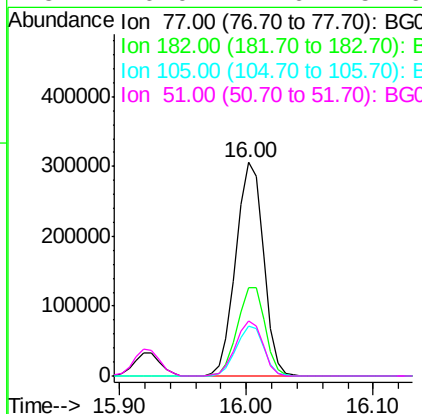
RT: 16.00 min Scan# 2198

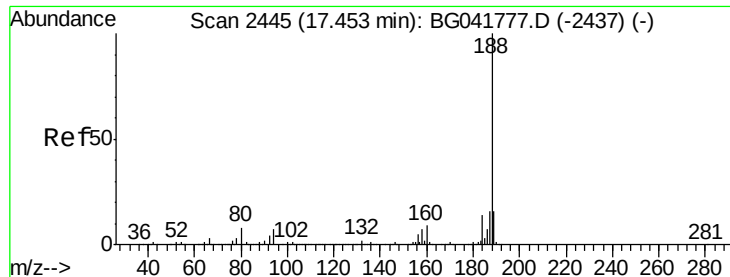
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 461107 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 41.4  | 13.2  | 53.2   |
| 105       | 23.7  | 2.2   | 42.2   |
| 51        | 26.0  | 14.6  | 54.6   |





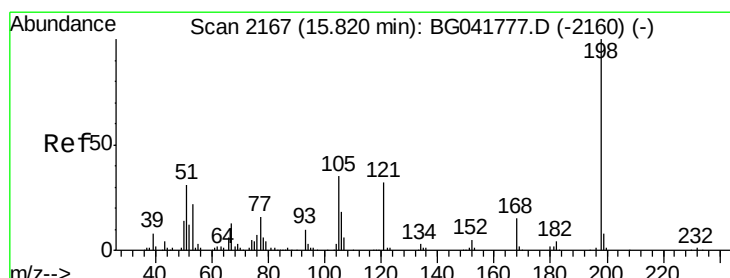
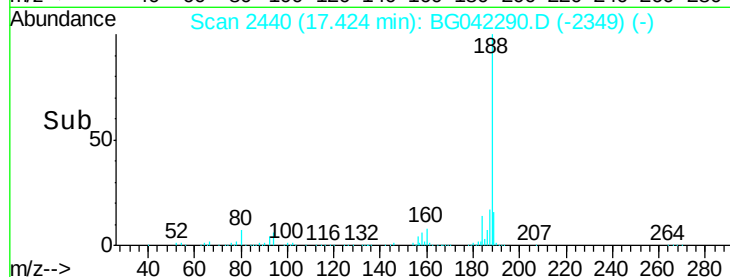
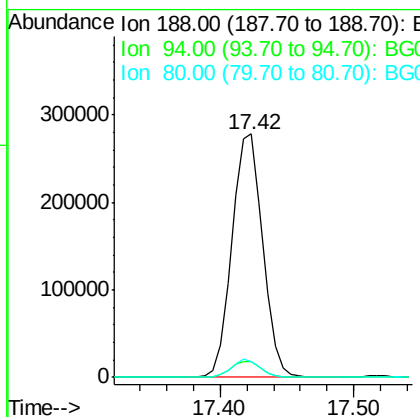
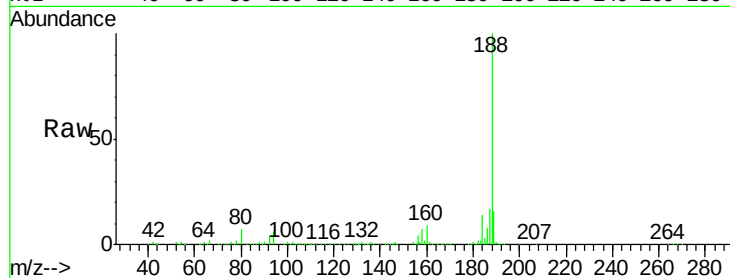
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2440  
 Delta R.T. 0.01 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 446182 |       |       |
| 94      | 6.4   |        | 6.9   | 10.3# |
| 80      | 6.7   |        | 8.0   | 12.0# |

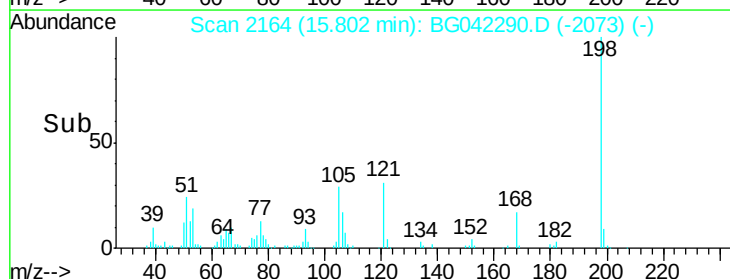
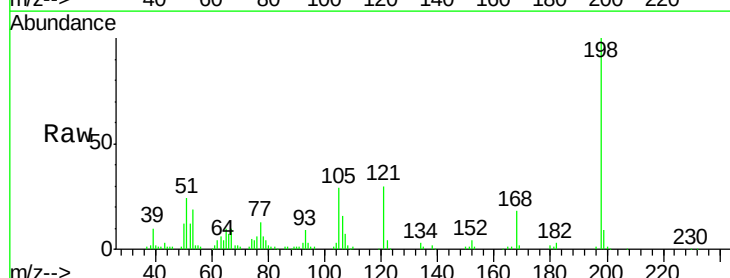
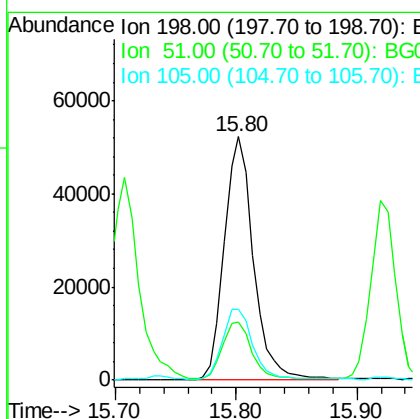
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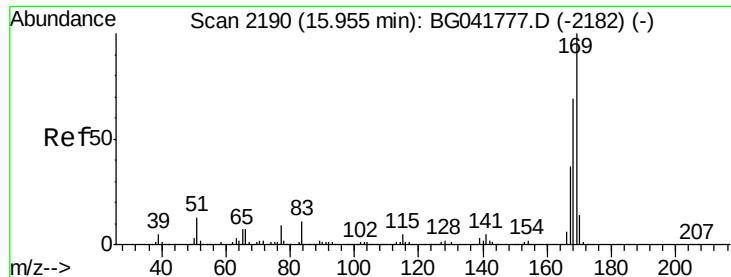
Jagrut  
 8/19/2019 2:19:46 PM



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 41.300 ng  
 RT: 15.80 min Scan# 2164  
 Delta R.T. 0.01 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 87753 |       |       |
| 51      | 23.9  |       | 22.3  | 62.3  |
| 105     | 29.2  |       | 18.0  | 58.0  |





#66

n-Nitrosodiphenylamine

Concen: 50.361 ng

RT: 15.93 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

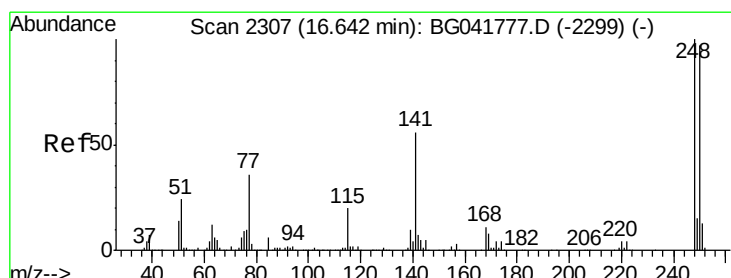
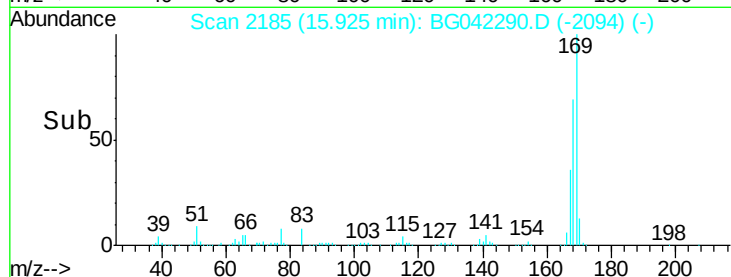
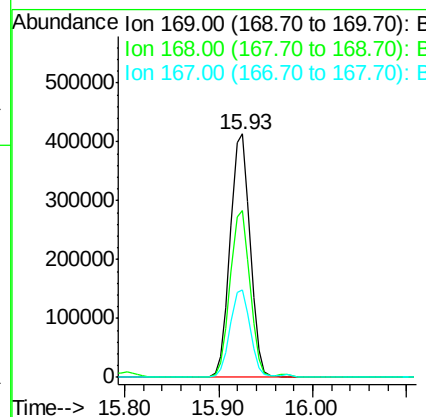
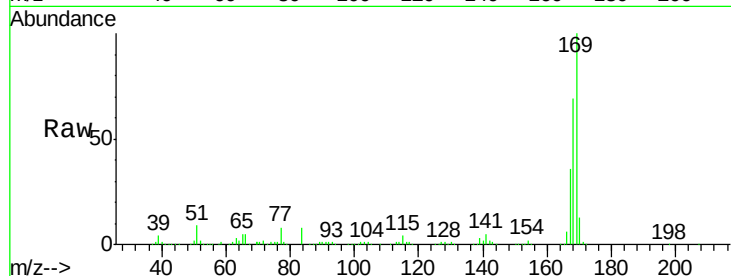
ClientSampleId :

JC-03-081519-AMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 612070 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.5  | 56.9  | 85.3   |
| 167       | 36.1  | 31.5  | 47.3   |

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#67

4-Bromophenyl-phenylether

Concen: 47.556 ng

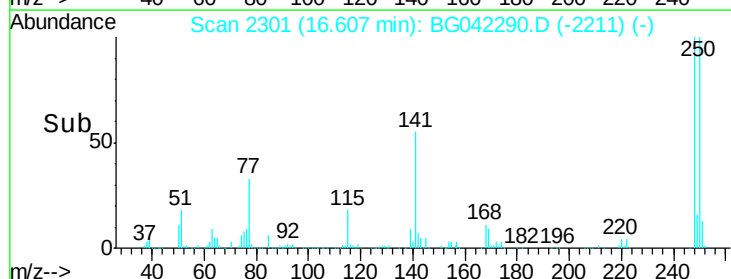
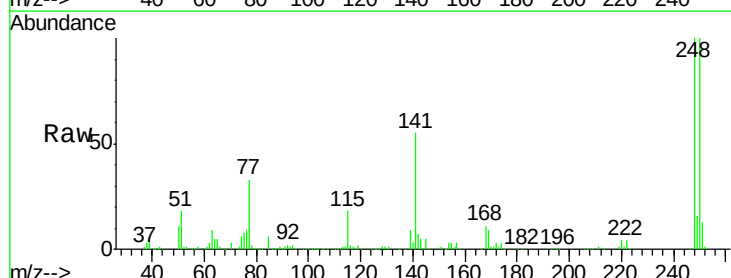
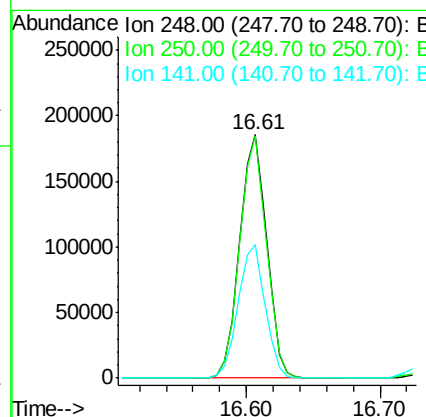
RT: 16.61 min Scan# 2301

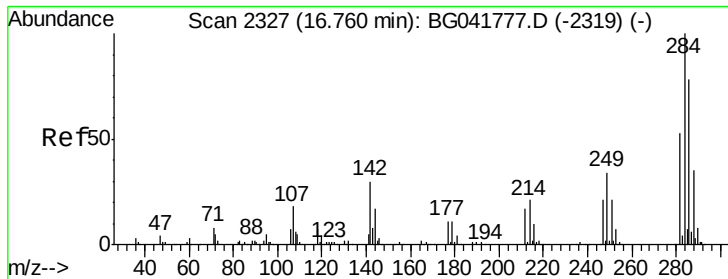
Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 261373 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 99.7  | 78.1  | 117.1  |
| 141       | 55.0  | 49.6  | 74.4   |





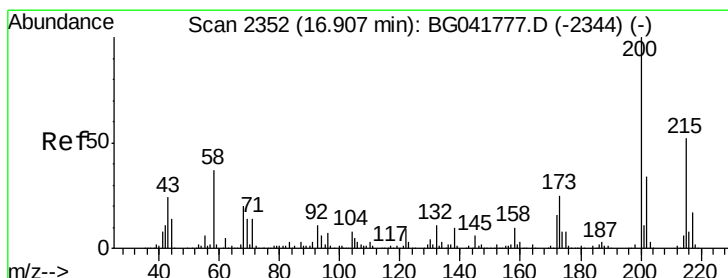
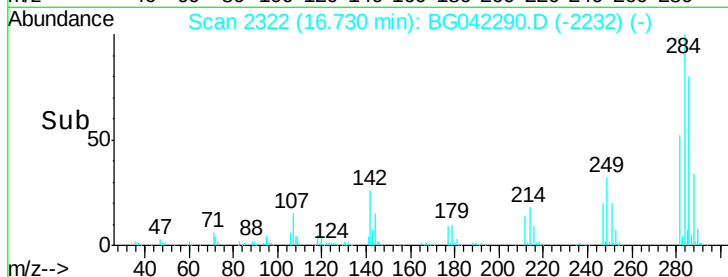
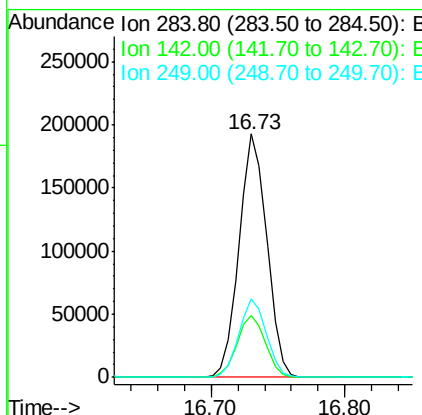
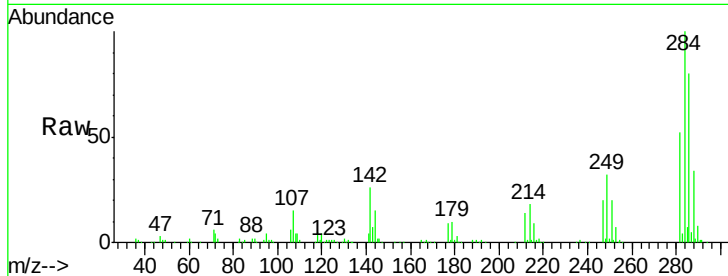
#68  
Hexachlorobenzene  
Concen: 48.034 ng  
RT: 16.73 min Scan# 2322  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 276188 |       |       |
| 142     | 25.6  | 27.0   | 40.6# |       |
| 249     | 32.4  | 28.4   | 42.6  |       |

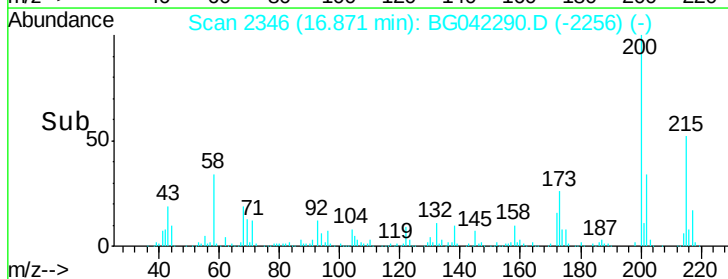
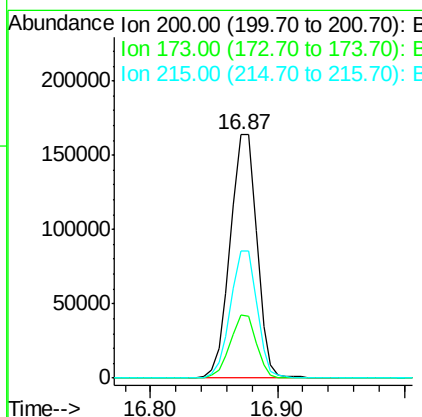
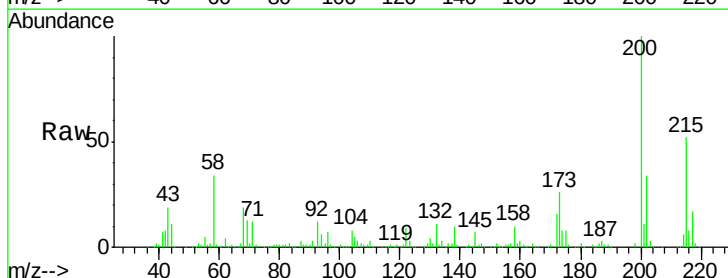
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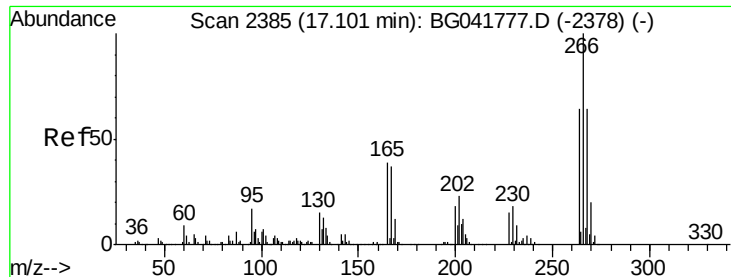
Jagrut  
8/19/2019 2:19:46 PM



#69  
Atrazine  
Concen: 50.122 ng  
RT: 16.87 min Scan# 2346  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 239343 |       |       |
| 173     | 26.1  | 5.3    | 45.3  |       |
| 215     | 52.2  | 31.8   | 71.8  |       |





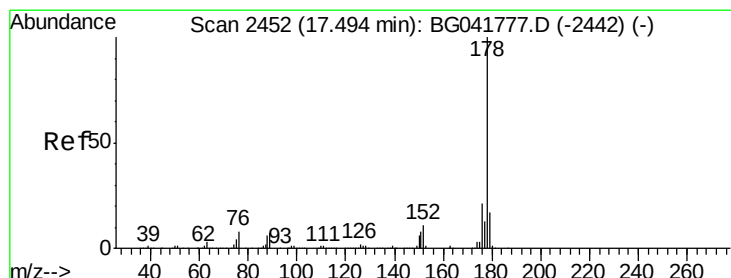
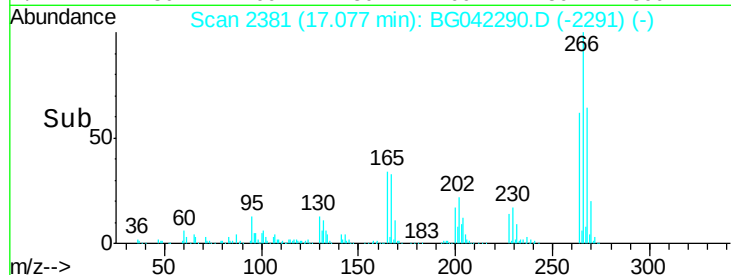
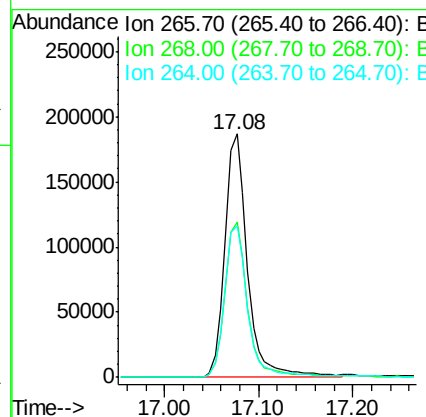
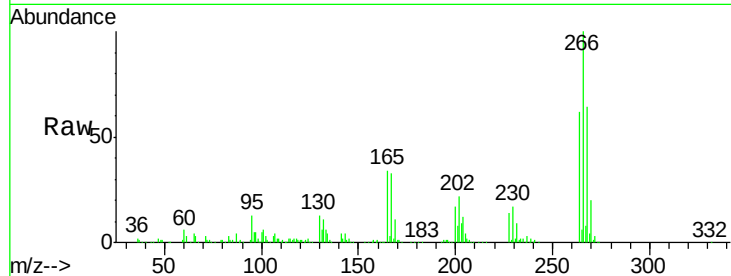
#70  
 Pentachlorophenol  
 Concen: 96.762 ng  
 RT: 17.08 min Scan# 2381  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 316065 |       |       |
| 268     | 64.0  |        | 52.9  | 79.3  |
| 264     | 62.2  |        | 51.4  | 77.2  |

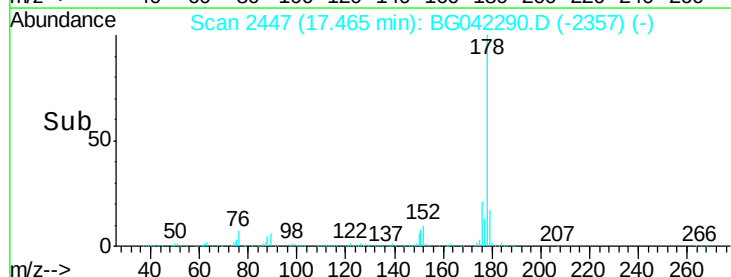
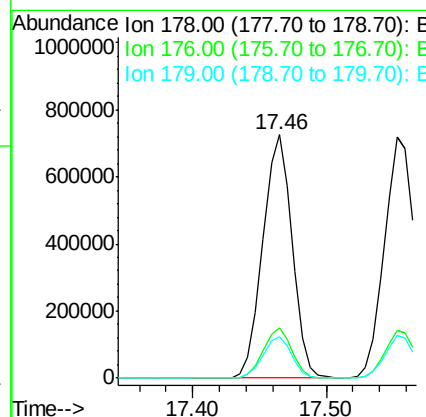
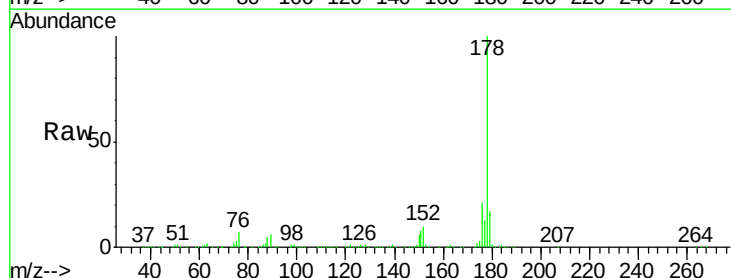
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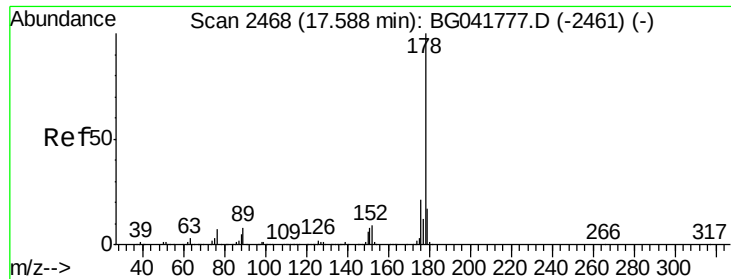
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#71  
 Phenanthrene  
 Concen: 51.346 ng  
 RT: 17.46 min Scan# 2447  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1098123 |       |       |
| 176     | 20.8  |         | 18.6  | 28.0  |
| 179     | 16.9  |         | 15.4  | 23.0  |





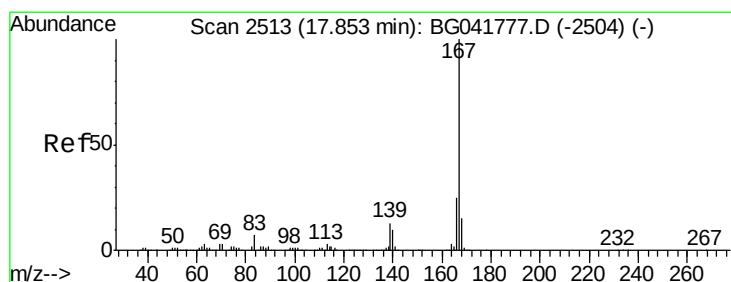
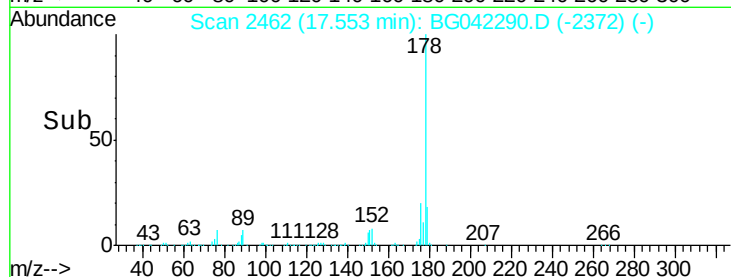
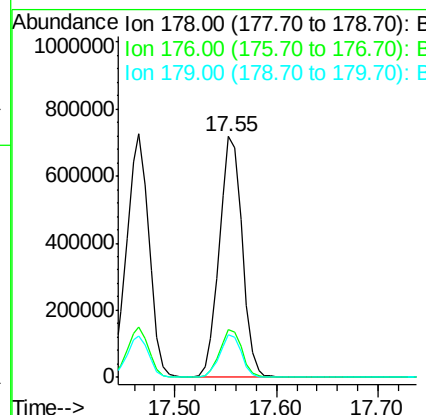
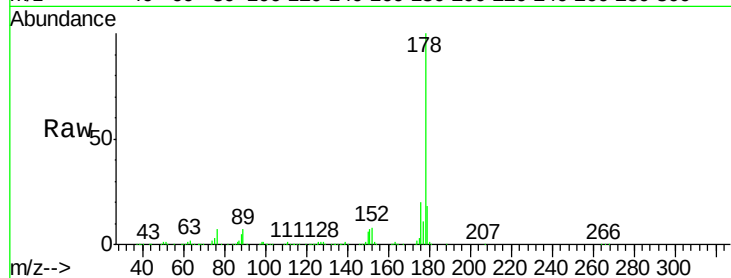
#72  
 Anthracene  
 Concen: 52.753 ng  
 RT: 17.55 min Scan# 2462  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 18.6  | 28.0  |
| 179     | 17.8  | 15.1  | 22.7  |

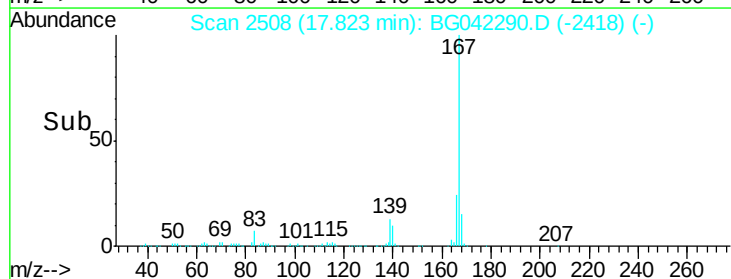
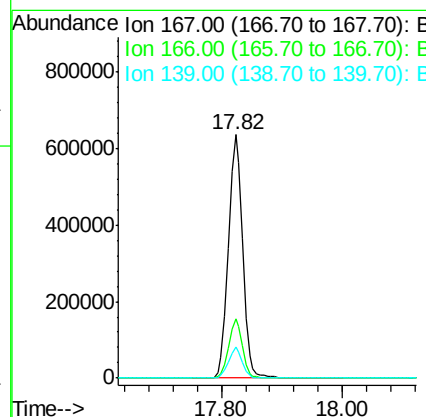
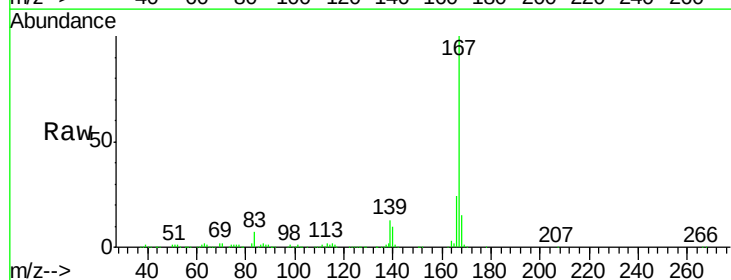
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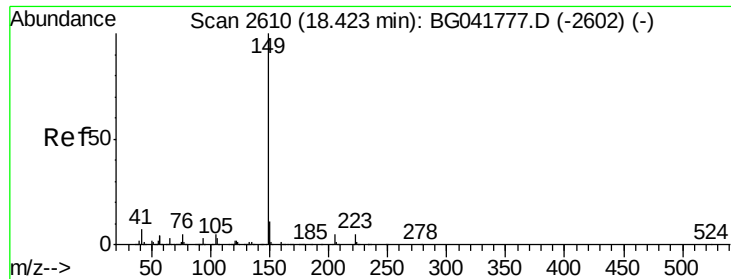


#73  
 Carbazole  
 Concen: 54.744 ng  
 RT: 17.82 min Scan# 2508  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 24.4  | 21.4  | 32.2  |
| 139     | 12.8  | 12.1  | 18.1  |







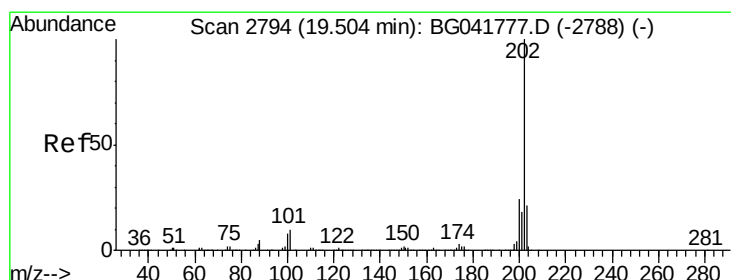
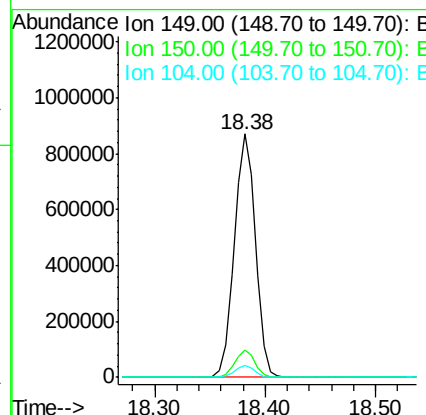
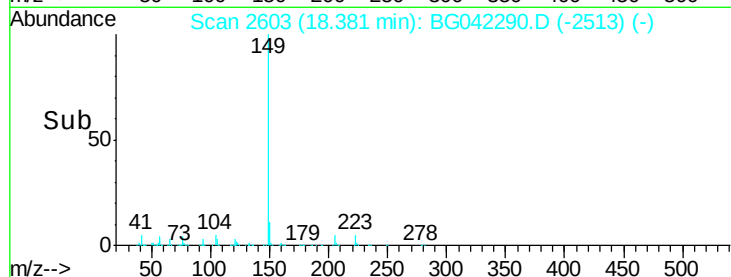
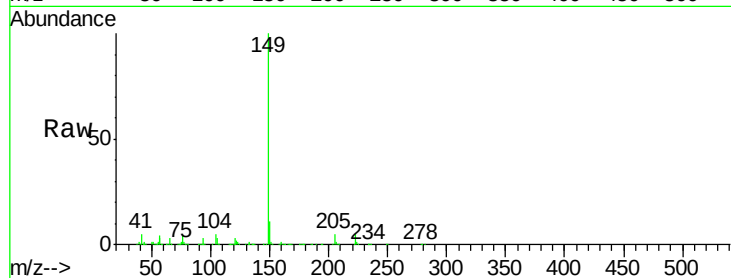
#74  
Di-n-butylphthalate  
Concen: 53.893 ng  
RT: 18.38 min Scan# 2603  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

Tot Ion:149 Resp: 1169688  
Ion Ratio Lower Upper  
149 100  
150 11.1 10.2 15.2  
104 4.9 5.3 7.9#

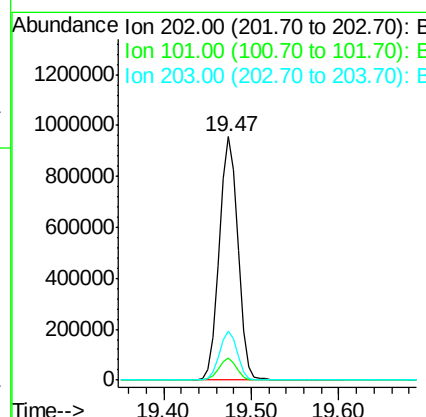
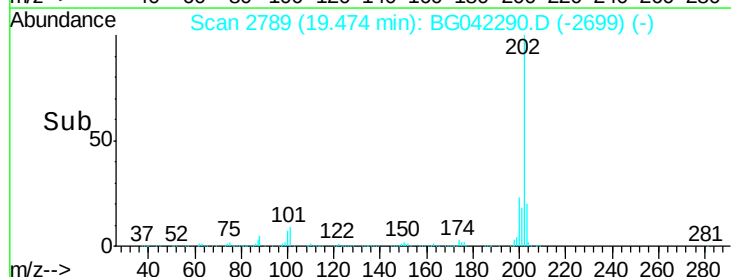
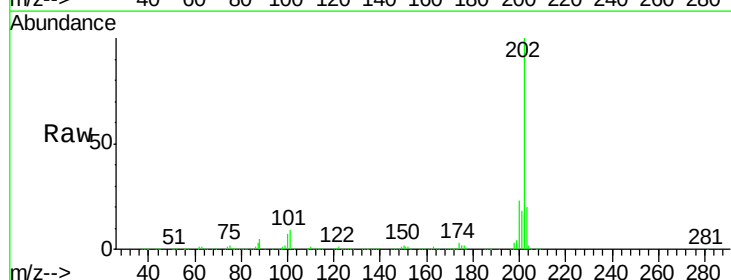
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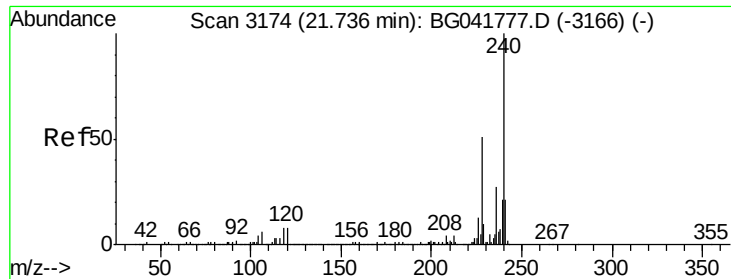
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#75  
Fluoranthene  
Concen: 54.629 ng  
RT: 19.47 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Tgt Ion:202 Resp: 1420124  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 32.8  
203 20.4 3.7 43.7





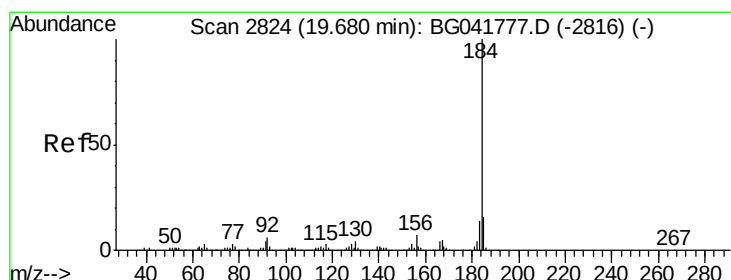
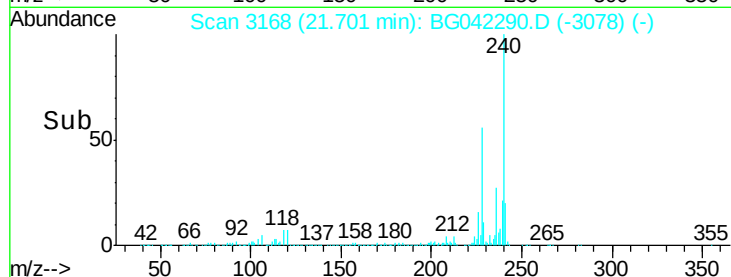
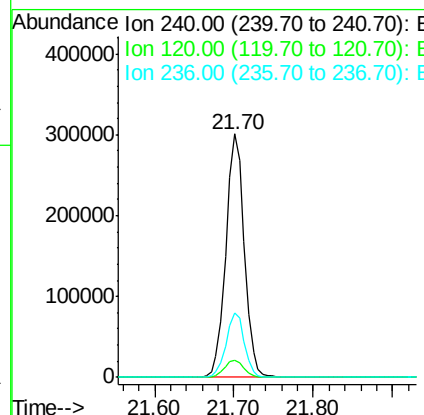
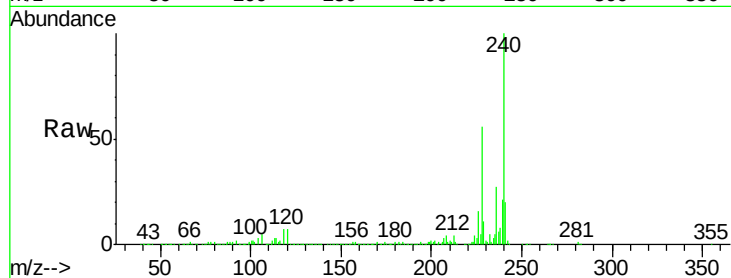
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.70 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.2   | 8.0   | 12.0# |
| 236     | 26.5  | 22.6  | 33.8  |

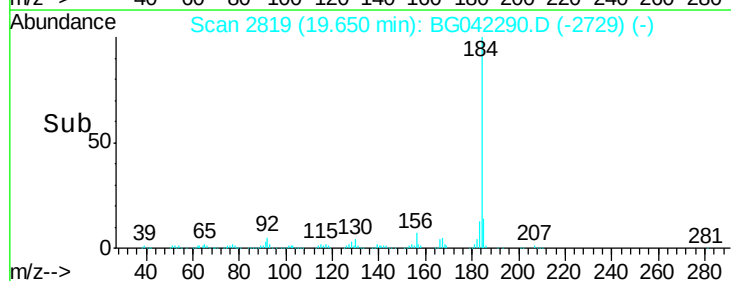
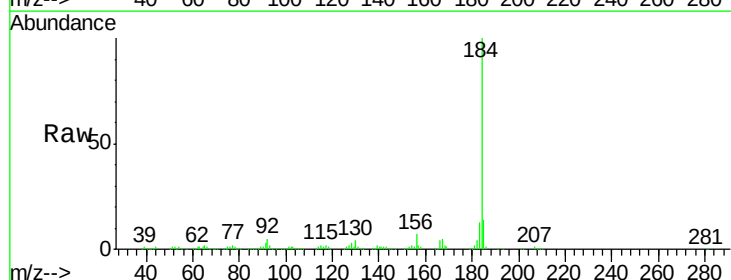
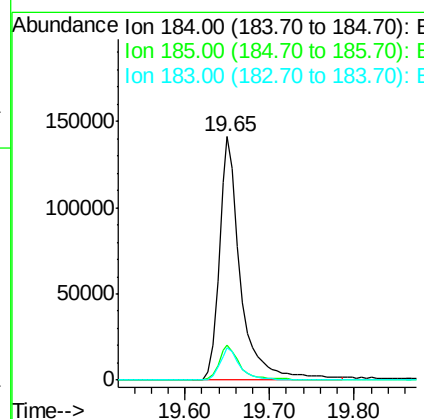
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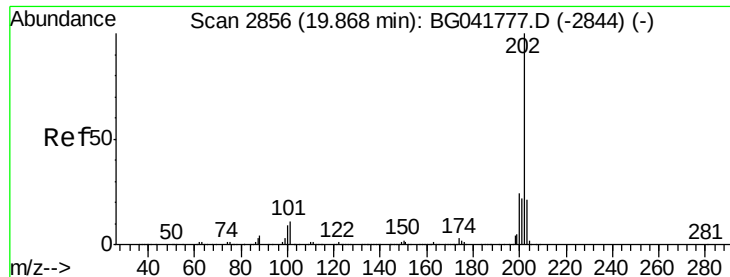
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#77  
Benzidine  
Concen: 15.830 ng  
RT: 19.65 min Scan# 2819  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.4  | 13.0  | 19.4  |
| 183     | 13.2  | 11.8  | 17.6  |





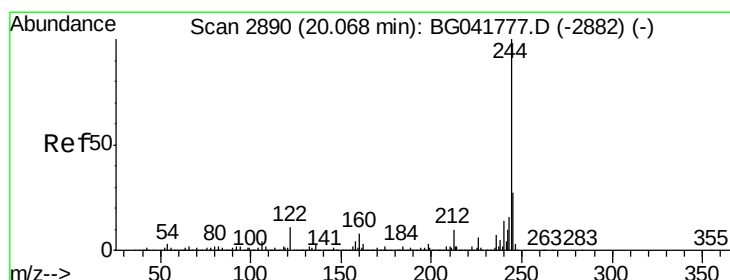
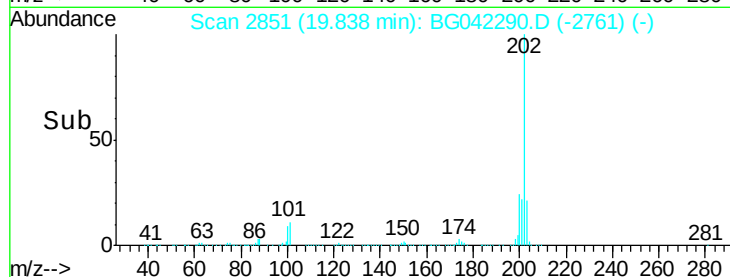
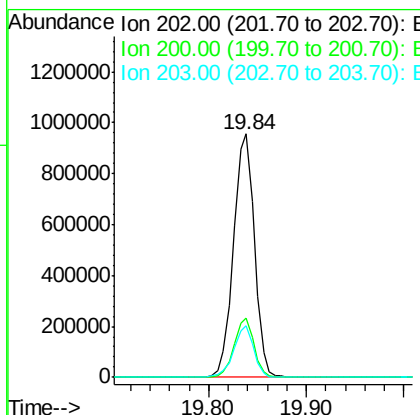
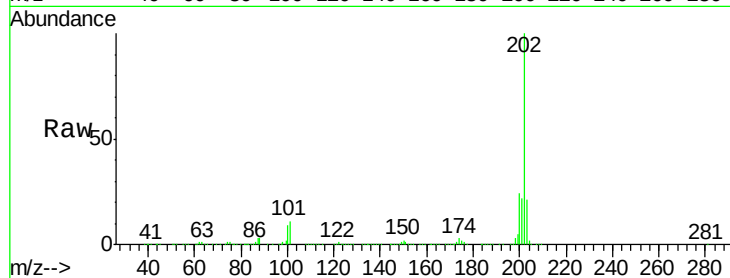
#78  
Pvrene  
Concen: 49.644 ng  
RT: 19.84 min Scan# 2851  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

Tot Ion:202 Resp: 1417382  
Ion Ratio Lower Upper  
202 100  
200 24.3 22.2 33.2  
203 21.0 18.9 28.3

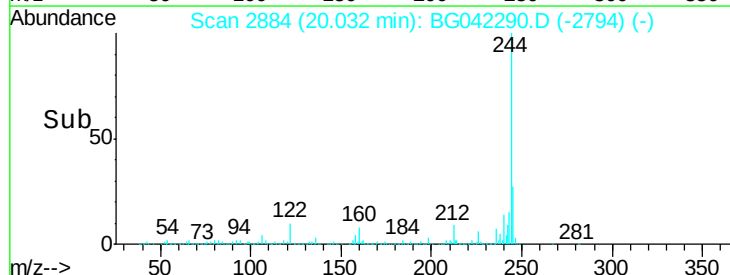
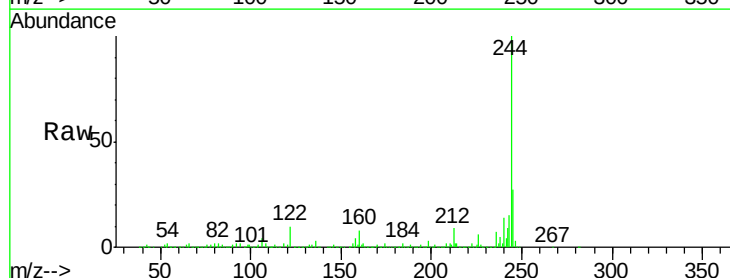
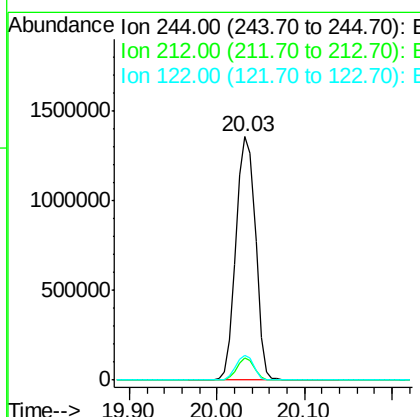
Manual Integrations  
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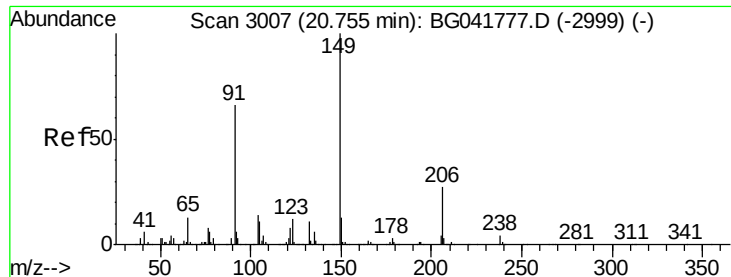
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#79  
Terphenyl-d14  
Concen: 96.847 ng  
RT: 20.03 min Scan# 2884  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Tgt Ion:244 Resp: 2039480  
Ion Ratio Lower Upper  
244 100  
212 9.0 9.7 14.5#  
122 10.3 12.5 18.7#





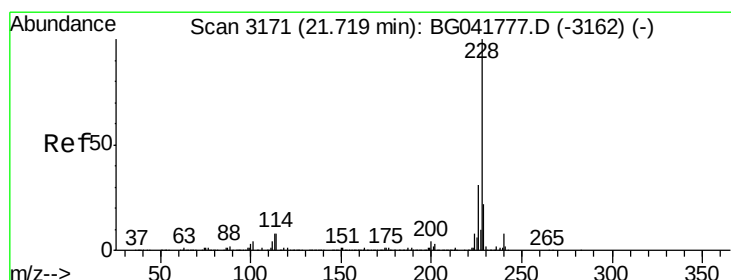
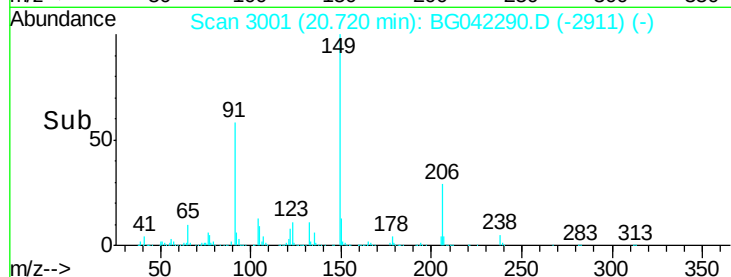
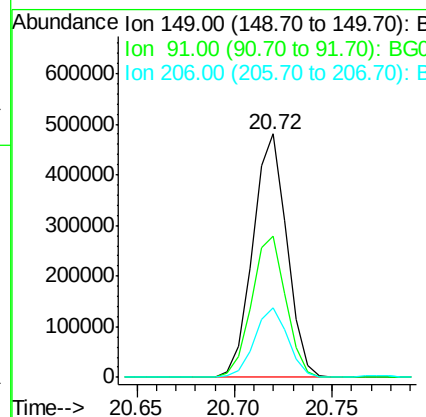
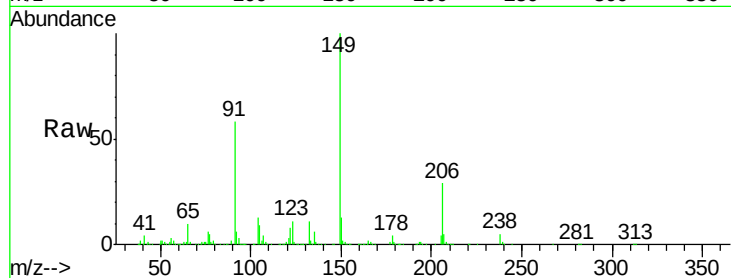
#80  
Butylbenzylphthalate  
Concen: 52.826 ng  
RT: 20.72 min Scan# 3001  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 57.8  | 58.9  | 88.3# |
| 206     | 28.8  | 20.8  | 31.2  |

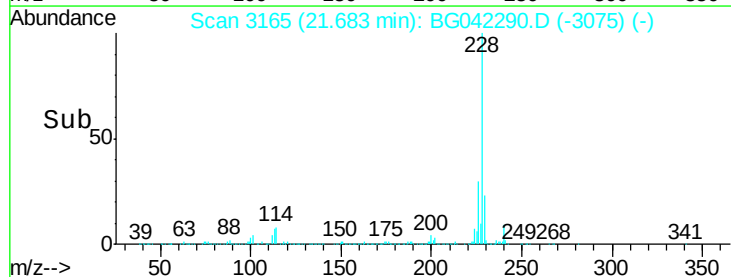
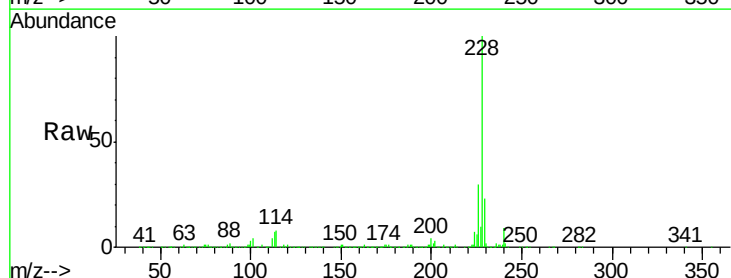
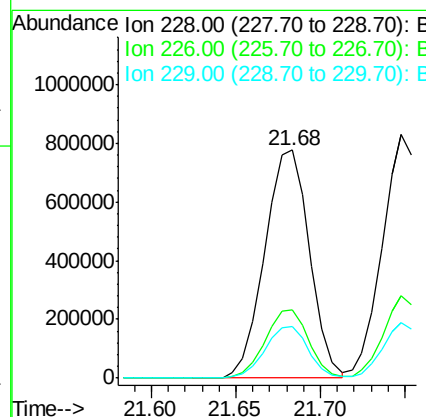
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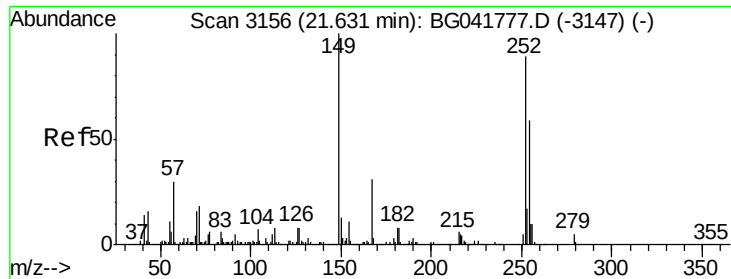
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#81  
Benzo(a)anthracene  
Concen: 50.110 ng  
RT: 21.68 min Scan# 3165  
Delta R.T. -0.00 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 27.3  | 40.9  |
| 229     | 22.5  | 19.7  | 29.5  |





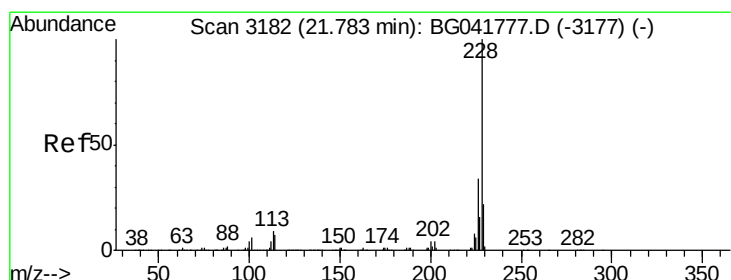
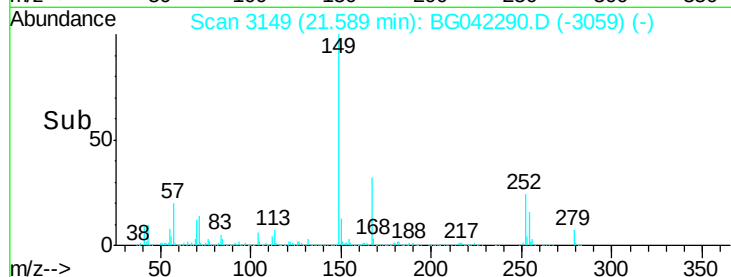
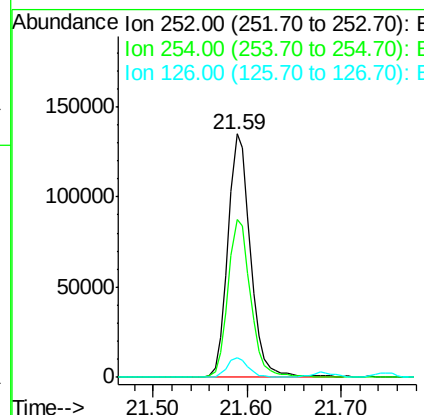
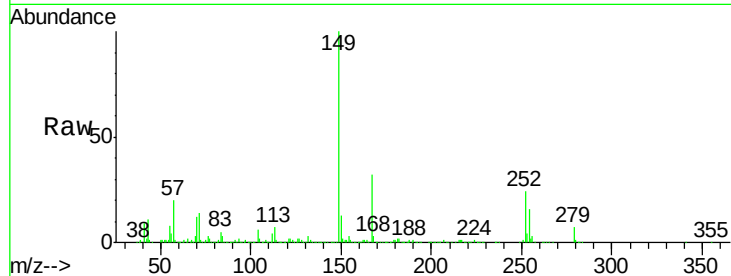
#82  
 3,3'-Dichlorobenzidine  
 Concen: 19.791 ng  
 RT: 21.59 min Scan# 3149  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 226547 |       |       |
| 254     | 64.8  | 53.8   | 80.6  |       |
| 126     | 7.8   | 7.8    | 11.8  |       |

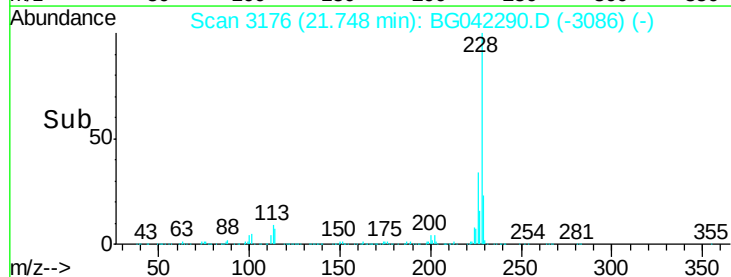
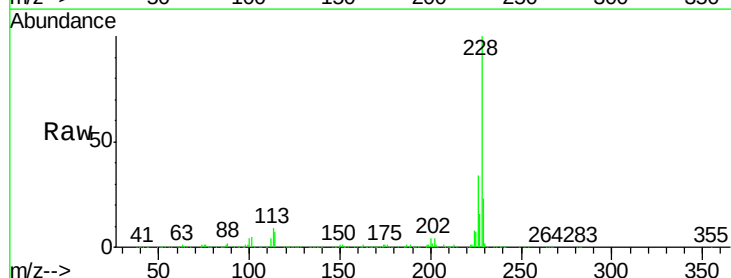
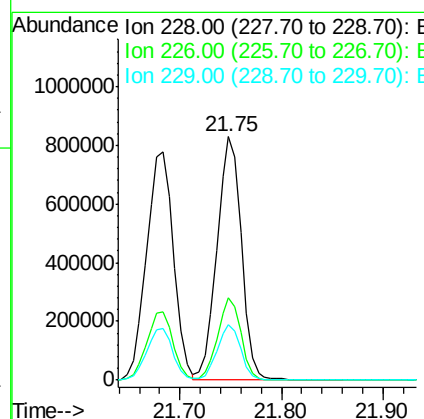
Manual Integrations  
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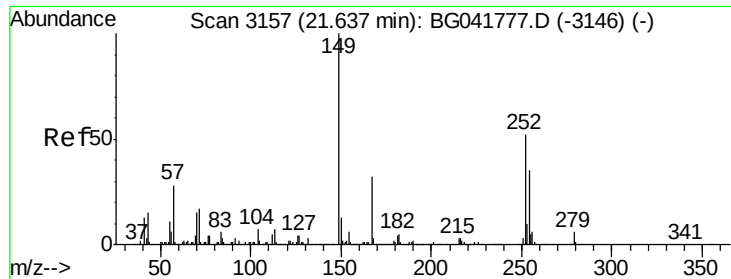
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#83  
 Chrysene  
 Concen: 50.359 ng  
 RT: 21.75 min Scan# 3176  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1376254 |       |       |
| 226     | 33.9  | 30.1    | 45.1  |       |
| 229     | 22.9  | 19.8    | 29.6  |       |





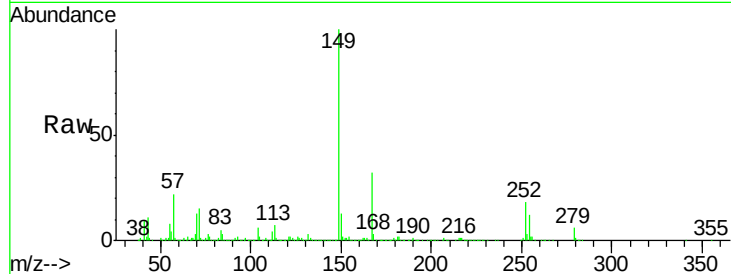
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 53.828 ng  
 RT: 21.58 min Scan# 3148  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

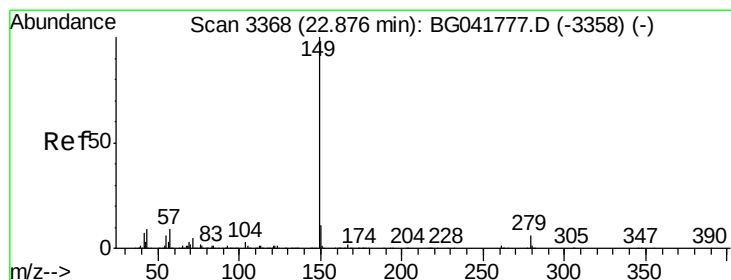
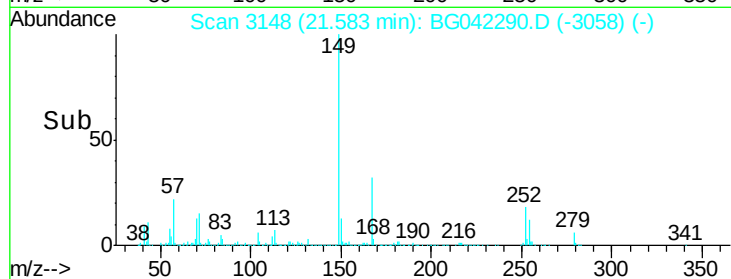
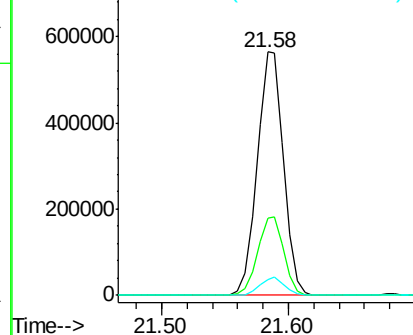
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 812790 |       |       |
| 167     | 31.6  | 27.0   | 40.4  |       |
| 279     | 6.4   | 5.0    | 7.6   |       |

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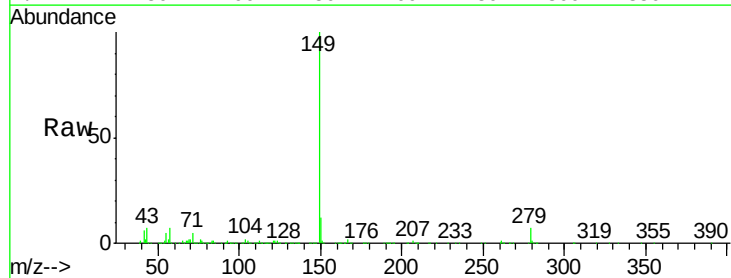


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

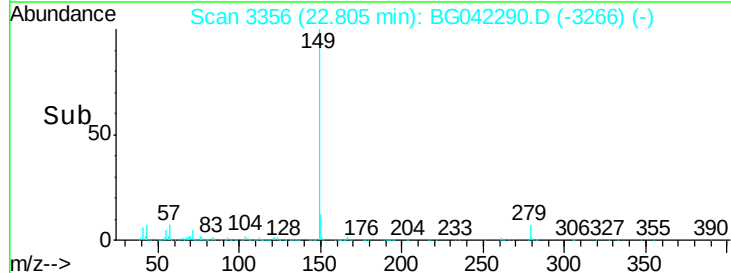
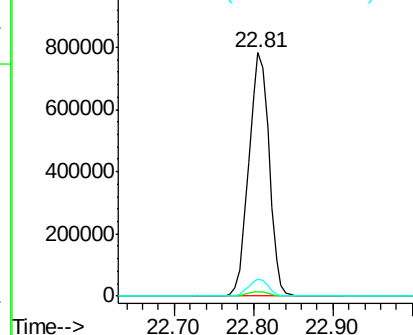


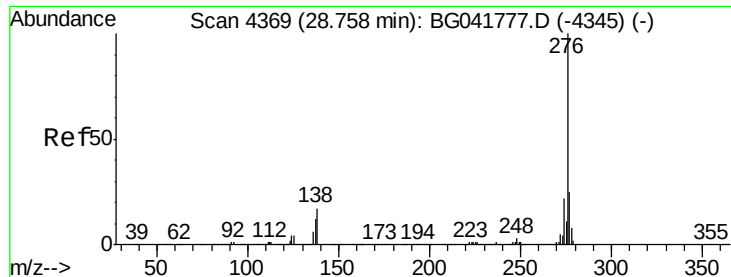
#85  
 Di-n-octyl phthalate  
 Concen: 54.649 ng  
 RT: 22.81 min Scan# 3356  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1388739 |       |       |
| 167     | 1.9   | 1.6     | 2.4   |       |
| 43      | 6.7   | 10.6    | 16.0  |       |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BG





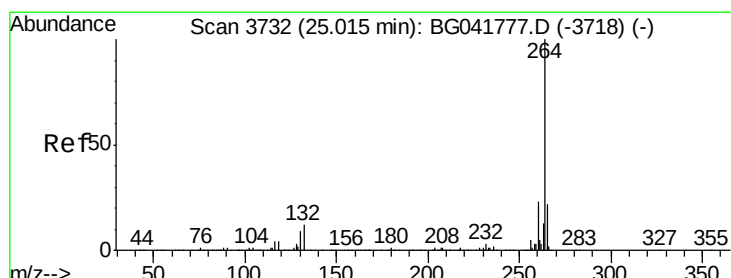
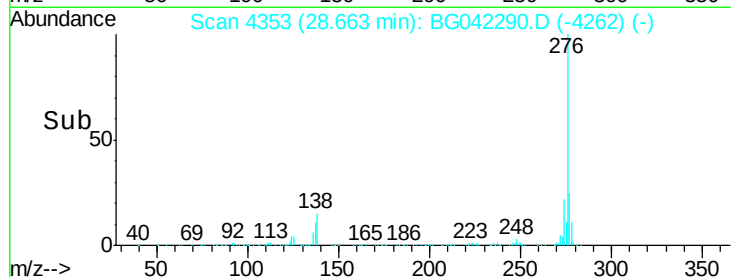
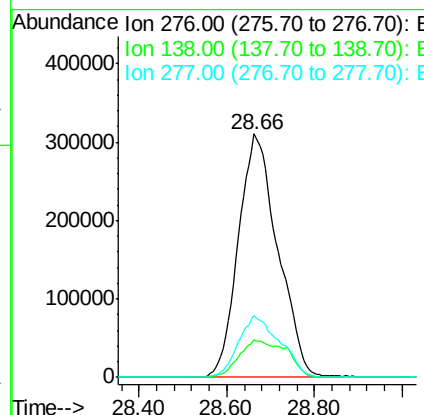
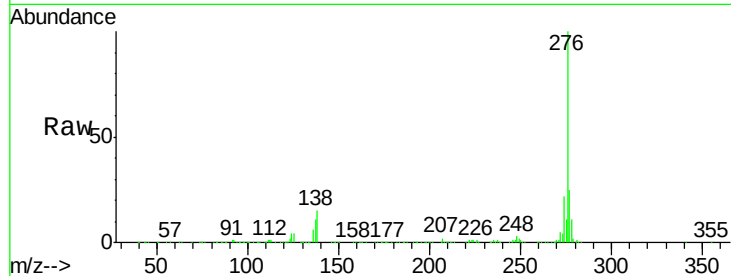
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 52.439 ng  
 RT: 28.66 min Scan# 4353  
 Delta R.T. 0.01 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-03-081519-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.6  | 19.4  | 29.0# |
| 277     | 26.6  | 21.2  | 31.8  |

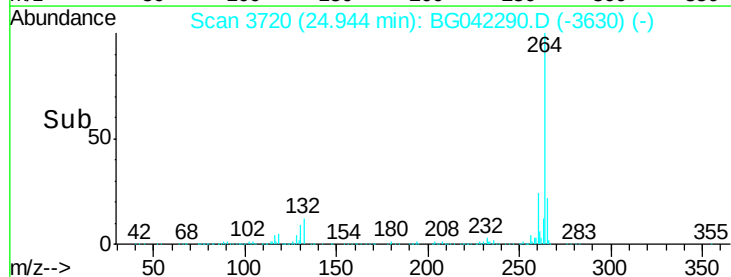
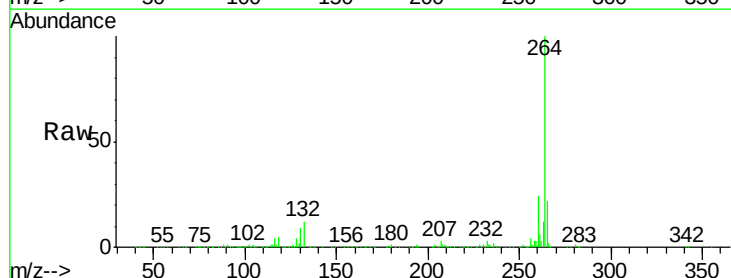
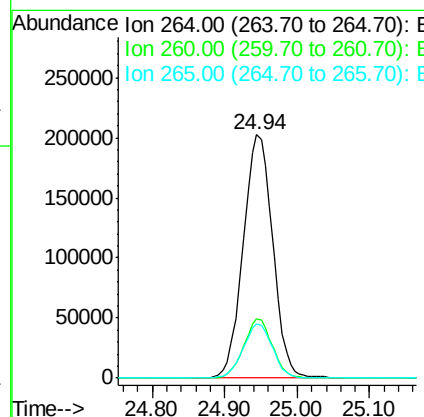
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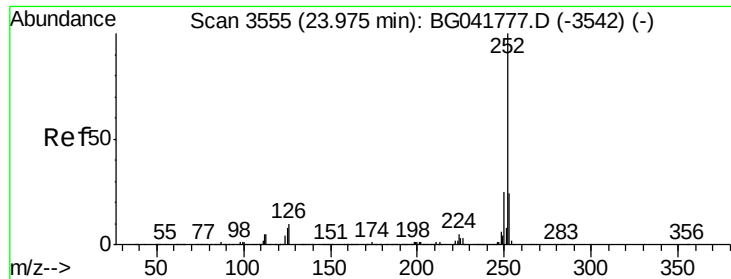
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#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.94 min Scan# 3720  
 Delta R.T. -0.00 min  
 Lab File: BG042290.D  
 Acq: 17 Aug 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.5  | 29.3  |
| 265     | 22.0  | 18.0  | 27.0  |





#88

Benzo(b)fluoranthene

Concen: 49.926 ng/mL

RT: 23.92 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

ClientSampleId :

JC-03-081519-AMS

Tot Ion:252 Resp: 1567735

Ion Ratio Lower Upper

252 100

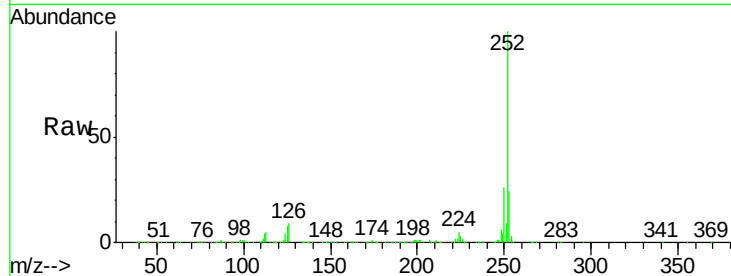
253 24.3 20.6 30.8

125 7.7 8.0 12.0#

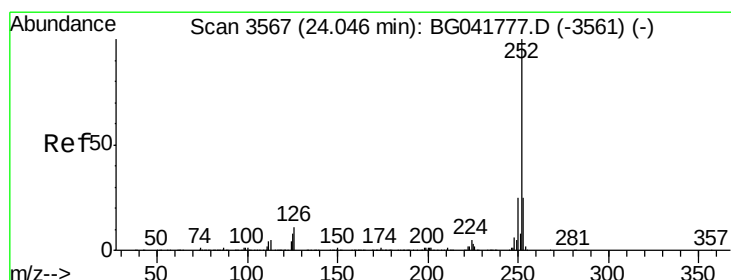
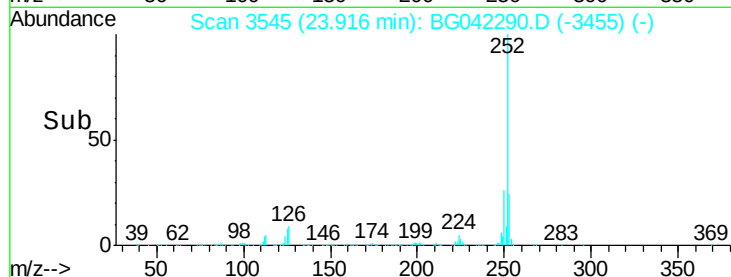
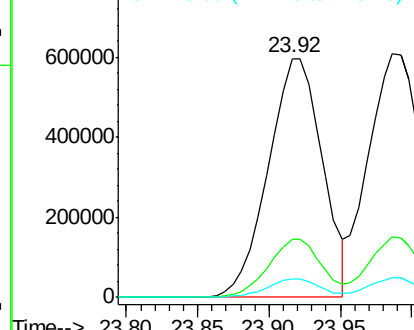
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 50.819 ng/mL

RT: 23.99 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

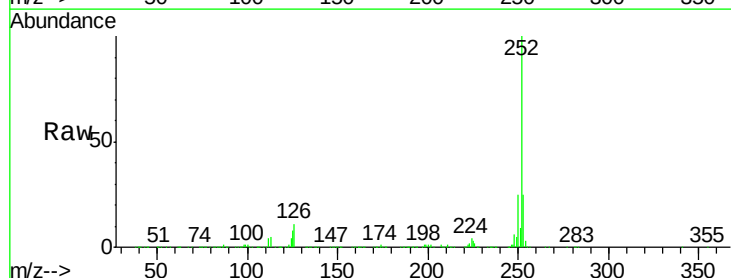
Tgt Ion:252 Resp: 1554433

Ion Ratio Lower Upper

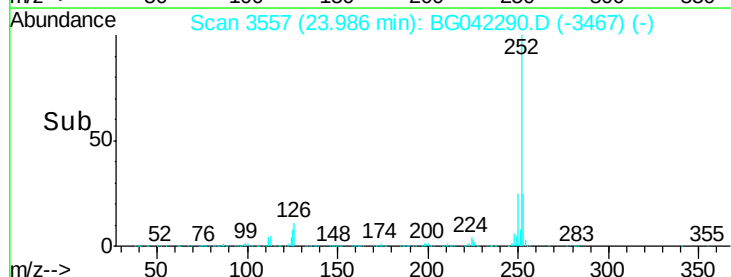
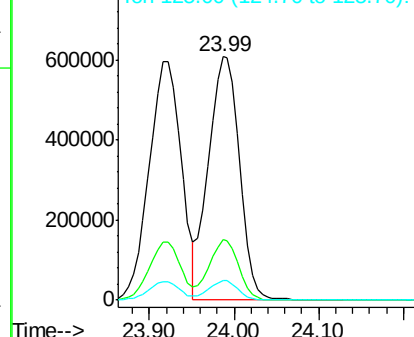
252 100

253 24.9 20.5 30.7

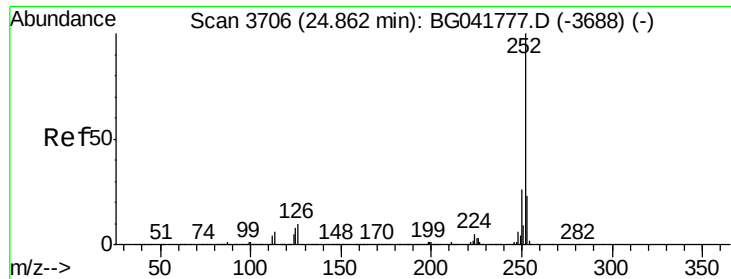
125 8.0 8.4 12.6#



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







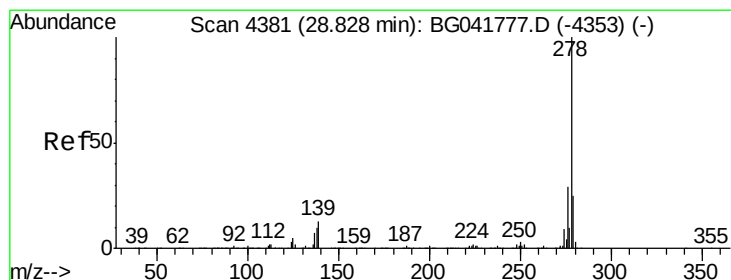
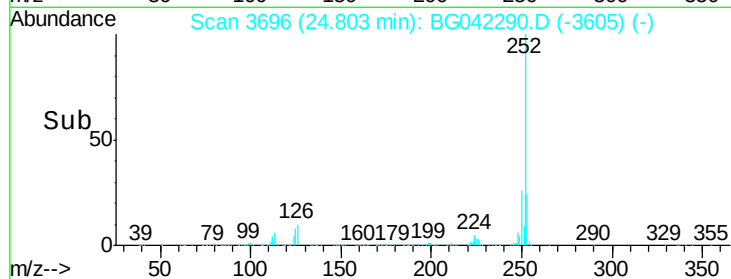
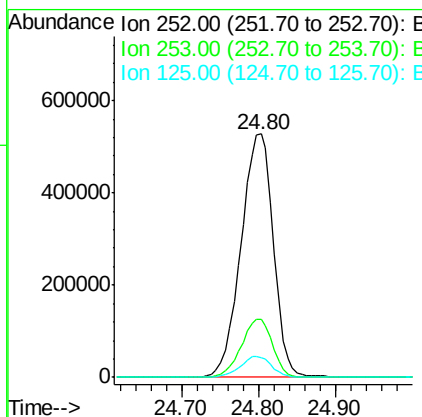
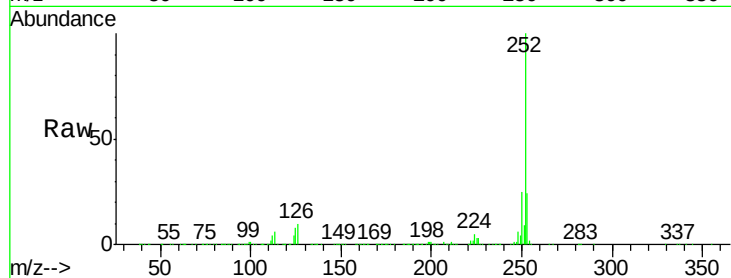
#90  
Benzo(a)pyrene  
Concen: 51.512 ng  
RT: 24.80 min Scan# 3696  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
JC-03-081519-AMS

Tot Ion:252 Resp: 1551322  
Ion Ratio Lower Upper  
252 100  
253 23.8 19.8 29.8  
125 8.2 8.8 13.2#

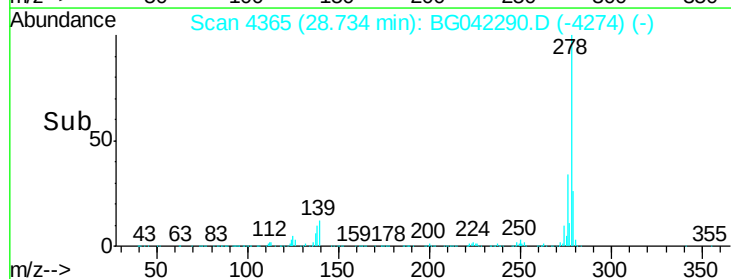
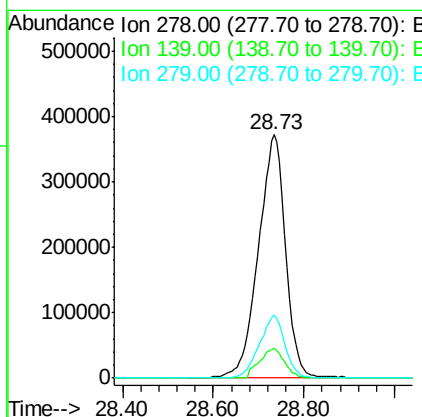
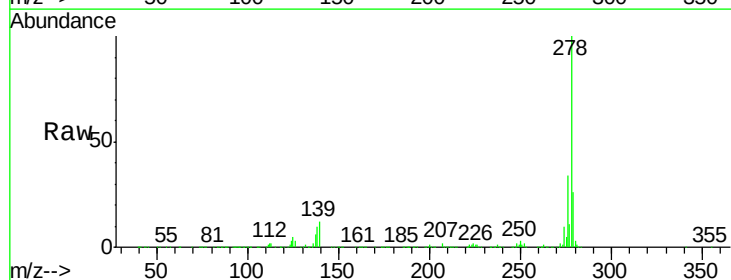
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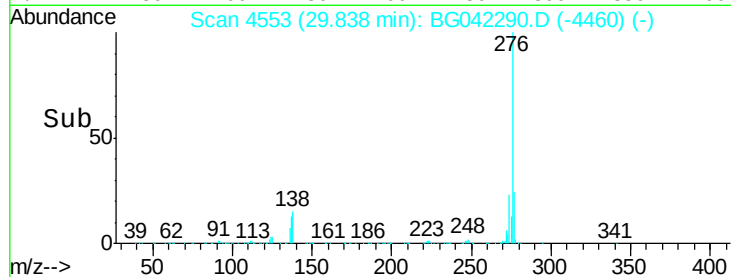
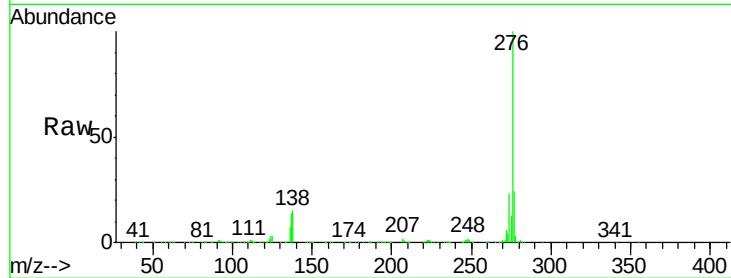
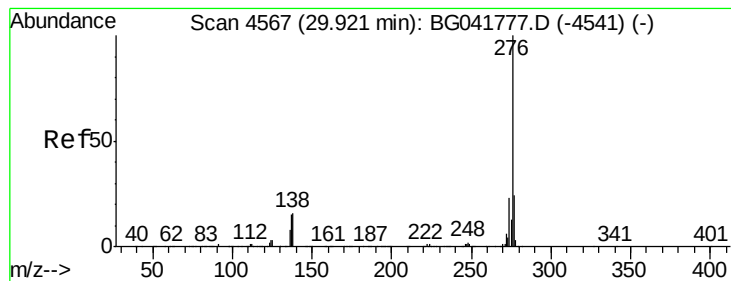
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#91  
Dibenzo(a,h)anthracene  
Concen: 52.431 ng  
RT: 28.73 min Scan# 4365  
Delta R.T. 0.01 min  
Lab File: BG042290.D  
Acq: 17 Aug 2019 14:49

Tgt Ion:278 Resp: 1550441  
Ion Ratio Lower Upper  
278 100  
139 12.2 12.6 19.0#  
279 25.9 20.5 30.7





#92

Benzo(a,h,i)perylene

Concen: 53.599 ng

RT: 29.84 min Scan# 4553

Delta R.T. 0.02 min

Lab File: BG042290.D

Acq: 17 Aug 2019 14:49

Instrument :

BNA\_G

ClientSampleId :

JC-03-081519-AMS

Tot Ion: 276 Resp: 1583525

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.8

138 15.4 16.6 25.0#

Manual Integrations  
APPROVED

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