

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\  
 Data File : BG042957.D  
 Acq On : 1 Oct 2019 1:18  
 Operator : JU  
 Sample : K5054-01MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-091019-BMS

Manual Integrations  
 APPROVED

mohammad  
 10/2/2019 8:33:23 AM

Quant Time: Oct 01 08:07:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.07  | 152  | 63752    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.87 | 136  | 240227   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.69 | 164  | 180014   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.43 | 188  | 449391   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.70 | 240  | 493895   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 24.93 | 264  | 572559   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 482788  | 135.15 | ng | 0.00 |
| 7) Phenol-d6             | 7.25  | 99  | 716162  | 139.21 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.23  | 82  | 444353  | 89.91  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 445247  | 143.84 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.32 | 172 | 1113006 | 89.63  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.04 | 244 | 2198232 | 94.84  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.55  | 88  | 52454   | 35.218 | ng | 96     |
| 3) Pyridine                    | 3.95  | 79  | 107906  | 25.759 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 88621   | 43.992 | ng | # 96   |
| 6) Aniline                     | 7.40  | 93  | 117413  | 18.908 | ng | 97     |
| 8) 2-Chlorophenol              | 7.64  | 128 | 177645  | 47.684 | ng | 98     |
| 9) Benzaldehyde                | 7.21  | 77  | 132252  | 42.071 | ng | 93     |
| 10) Phenol                     | 7.27  | 94  | 239252  | 50.692 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.50  | 93  | 154625  | 42.342 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.96  | 146 | 182319  | 38.363 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 8.11  | 146 | 186625  | 39.392 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.43  | 146 | 178585  | 39.594 | ng | 93     |
| 15) Benzyl Alcohol             | 8.31  | 79  | 181697  | 46.978 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60  | 45  | 269471  | 38.424 | ng | 99     |
| 17) 2-Methylphenol             | 8.52  | 107 | 156446  | 47.372 | ng | 98     |
| 18) Hexachloroethane           | 9.16  | 117 | 69851   | 39.148 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.88  | 70  | 145493  | 43.072 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.85  | 107 | 217240m | 48.001 | ng |        |
| 22) Acetophenone               | 8.89  | 105 | 275947  | 44.563 | ng | 97     |
| 24) Nitrobenzene               | 9.28  | 77  | 215774  | 45.770 | ng | 97     |
| 25) Isophorone                 | 9.80  | 82  | 399252  | 45.989 | ng | 97     |
| 26) 2-Nitrophenol              | 9.99  | 139 | 98930   | 49.295 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 10.06 | 122 | 176098  | 57.138 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93  | 220709  | 44.808 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.54 | 162 | 202593  | 52.854 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.74 | 180 | 215121  | 43.459 | ng | 97     |
| 31) Naphthalene                | 10.93 | 128 | 539730  | 45.641 | ng | 99     |
| 32) Benzoic acid               | 10.20 | 122 | 127400  | 52.163 | ng | 92     |
| 33) 4-Chloroaniline            | 11.04 | 127 | 80113   | 15.612 | ng | 99     |
| 34) Hexachlorobutadiene        | 11.21 | 225 | 153467  | 41.407 | ng | 96     |
| 35) Caprolactam                | 11.82 | 113 | 65446m  | 48.417 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.16 | 107 | 227233  | 54.523 | ng | 93     |
| 37) 2-Methylnaphthalene        | 12.52 | 142 | 418349  | 46.373 | ng | 95     |
| 38) 1-Methylnaphthalene        | 12.74 | 142 | 395577  | 46.341 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 279028  | 41.225 | ng | 99     |

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Instrument :  
 BNA\_G  
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 PAT-091019-BMS

Manual Integrations  
 APPROVED

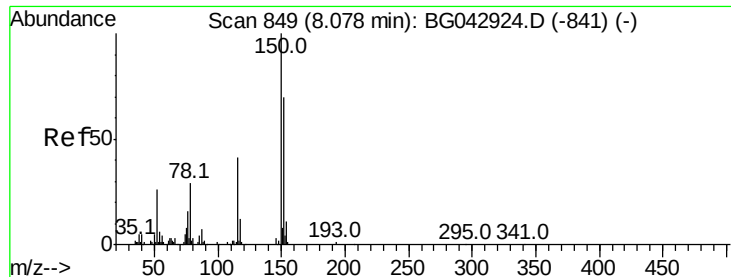
mohammad  
 10/2/2019 8:33:23 AM

Quant Time: Oct 01 08:07:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
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 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.87 | 237  | 383045   | 88.822  | nq    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.13 | 196  | 193010   | 48.721  | nq    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.21 | 196  | 209651   | 51.372  | nq    | 97       |
| 46) 1,1'-Biphenyl              | 13.53 | 154  | 578806   | 42.399  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.57 | 162  | 449167   | 43.885  | nq    | 98       |
| 48) 2-Nitroaniline             | 13.77 | 65   | 164513   | 48.335  | nq    | 93       |
| 49) Acenaphthylene             | 14.42 | 152  | 730745   | 46.660  | nq    | 99       |
| 50) Dimethylphthalate          | 14.15 | 163  | 681108   | 50.498  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.26 | 165  | 143025   | 49.794  | nq    | 91       |
| 52) Acenaphthene               | 14.76 | 154  | 463902   | 44.254  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.59 | 138  | 65717    | 22.139  | nq    | # 95     |
| 54) 2,4-Dinitrophenol          | 14.79 | 184  | 201710   | 112.979 | nq    | 96       |
| 55) Dibenzofuran               | 15.09 | 168  | 726330   | 46.839  | nq    | 98       |
| 56) 4-Nitrophenol              | 14.91 | 139  | 242052   | 107.021 | nq    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.05 | 165  | 204791   | 48.687  | nq    | 96       |
| 58) Fluorene                   | 15.74 | 166  | 624961   | 47.205  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 213601   | 49.157  | nq    | 99       |
| 60) Diethylphthalate           | 15.51 | 149  | 633440   | 46.147  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204  | 360861   | 45.448  | nq    | 99       |
| 62) 4-Nitroaniline             | 15.76 | 138  | 148862   | 45.982  | nq    | 96       |
| 63) Azobenzene                 | 16.02 | 77   | 567707   | 45.427  | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 141146   | 55.505  | nq    | 96       |
| 66) n-Nitrosodiphenylamine     | 15.94 | 169  | 559782   | 47.186  | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.62 | 248  | 257744   | 45.697  | nq    | 95       |
| 68) Hexachlorobenzene          | 16.74 | 284  | 278851   | 44.402  | nq    | 98       |
| 69) Atrazine                   | 16.89 | 200  | 220276   | 44.094  | nq    | 94       |
| 70) Pentachlorophenol          | 17.08 | 266  | 387025   | 106.802 | nq    | 98       |
| 71) Phenanthrene               | 17.48 | 178  | 1014212  | 46.228  | nq    | 99       |
| 72) Anthracene                 | 17.57 | 178  | 1042598  | 47.602  | nq    | 99       |
| 73) Carbazole                  | 17.84 | 167  | 968162   | 47.668  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.39 | 149  | 1118431  | 46.153  | nq    | 99       |
| 75) Fluoranthene               | 19.48 | 202  | 1368379  | 47.155  | nq    | 100      |
| 77) Benzidine                  | 19.66 | 184  | 340986   | 27.573  | nq    | 100      |
| 78) Pyrene                     | 19.84 | 202  | 1395556  | 47.341  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.73 | 149  | 535691   | 47.875  | nq    | 98       |
| 81) Benzo(a)anthracene         | 21.68 | 228  | 1432597  | 46.552  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.60 | 252  | 350421   | 29.032  | nq    | 97       |
| 83) Chrysene                   | 21.75 | 228  | 1387857  | 46.472  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 756710   | 47.527  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.81 | 149  | 1271306  | 48.830  | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.61 | 276  | 1808600  | 48.647  | nq    | # 96     |
| 88) Benzo(b)fluoranthene       | 23.91 | 252  | 1519783  | 46.911  | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 23.98 | 252  | 1510834  | 47.141  | nq    | 99       |
| 90) Benzo(a)pyrene             | 24.78 | 252  | 1491936  | 48.812  | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 28.67 | 278  | 1518470  | 48.448  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.76 | 276  | 1492700  | 49.154  | nq    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

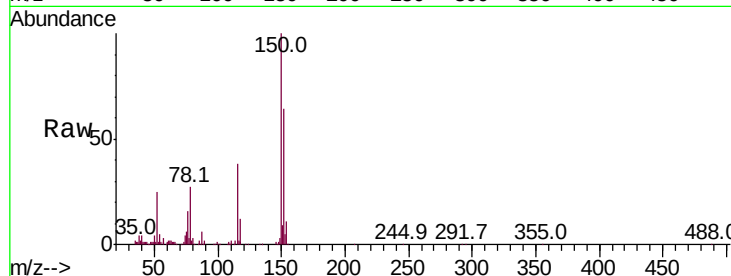
ClientSampleId :

PAT-091019-BMS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 63752 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 156.4 | 115.0 | 172.4 |
| 115       | 59.2  | 47.0  | 70.6  |

Manual Integrations  
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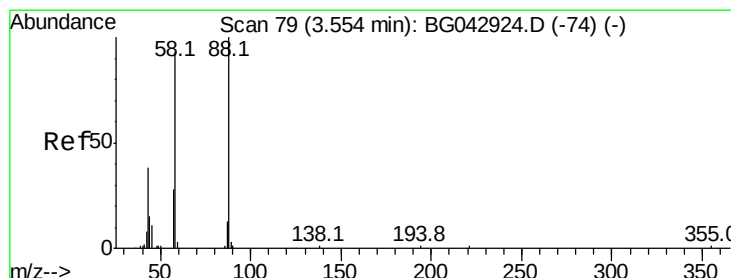
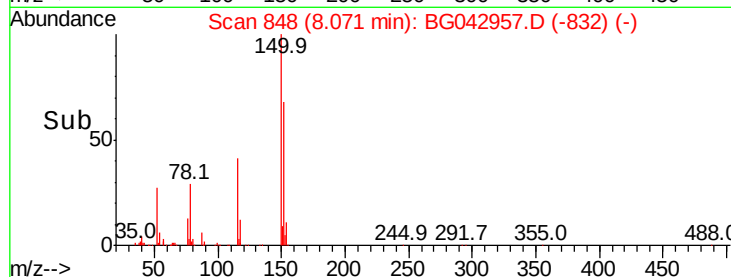
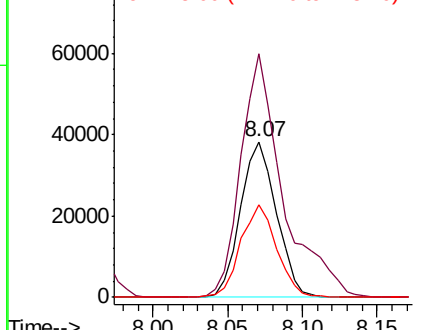
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 35.218 ng

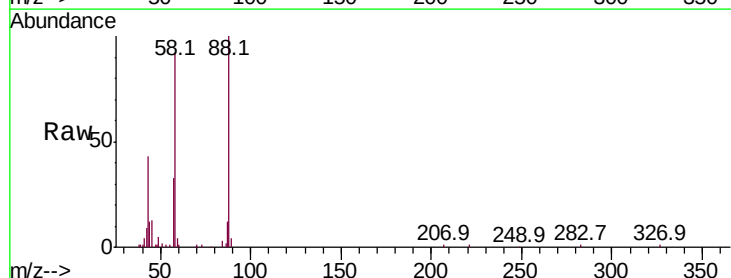
RT: 3.55 min Scan# 79

Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

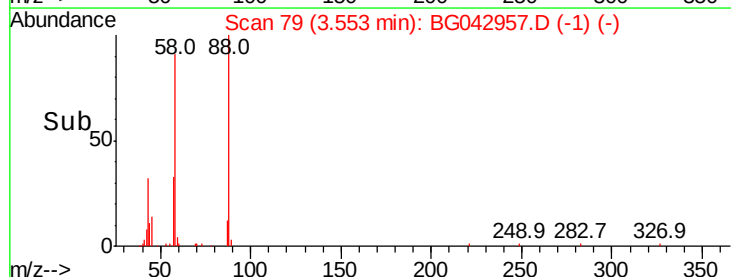
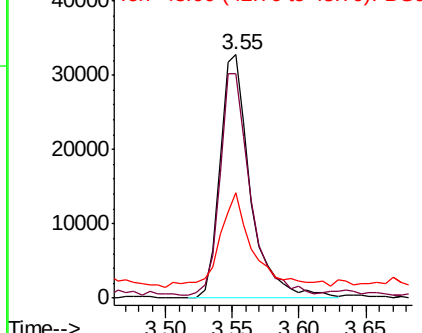
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 52454 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 90.8  | 74.3  | 111.5 |
| 43        | 43.1  | 29.8  | 44.8  |

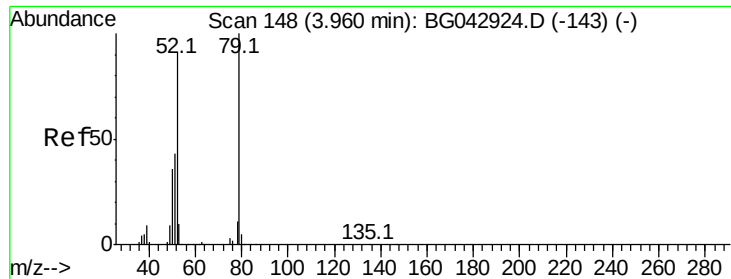


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 25.759 ng

RT: 3.95 min Scan# 147

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

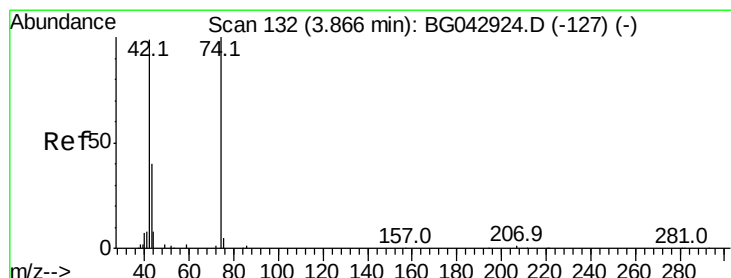
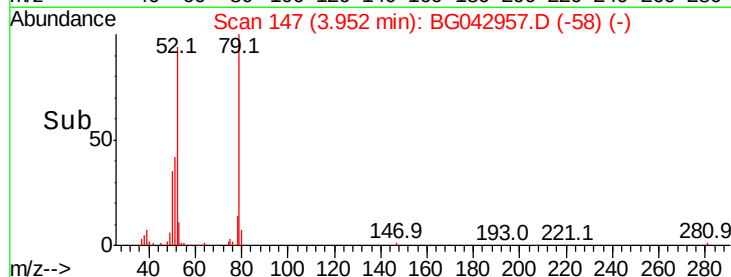
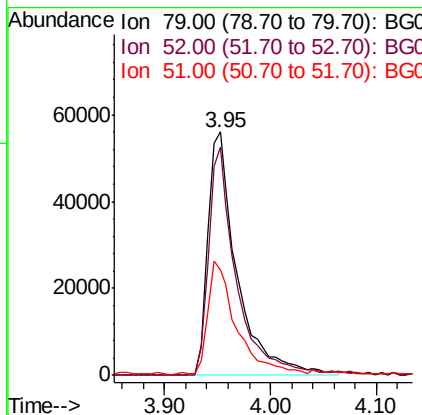
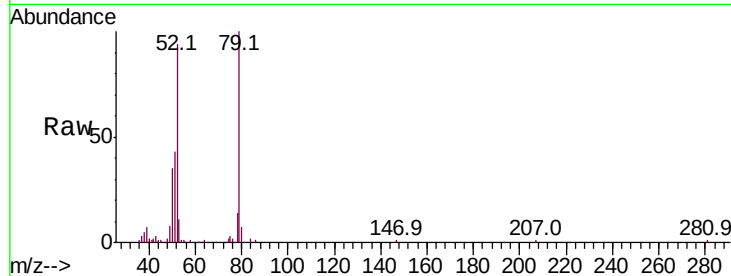
ClientSampleId :

PAT-091019-BMS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 79      | 100  |       |       |       |       |
| 52      | 93.7 | 73.0  | 109.4 |       |       |
| 51      | 43.0 | 35.1  | 52.7  |       |       |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 43.992 ng

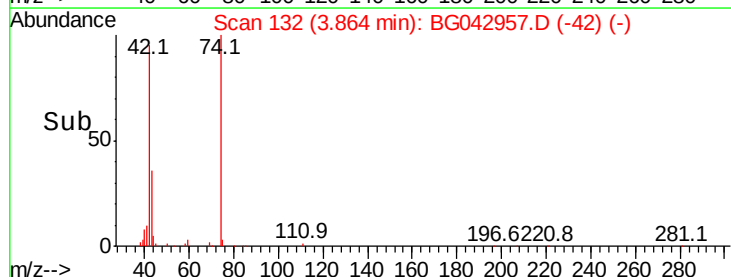
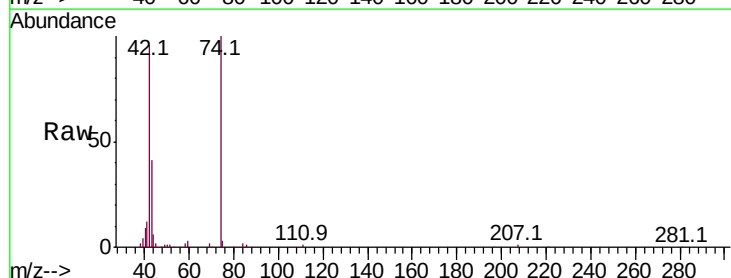
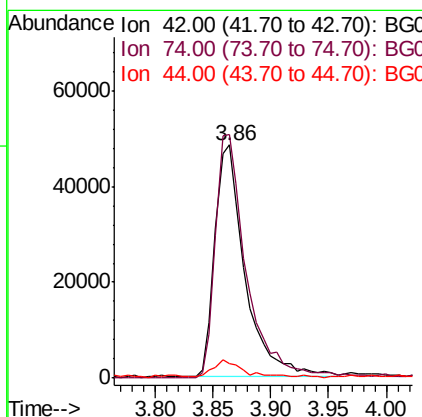
RT: 3.86 min Scan# 132

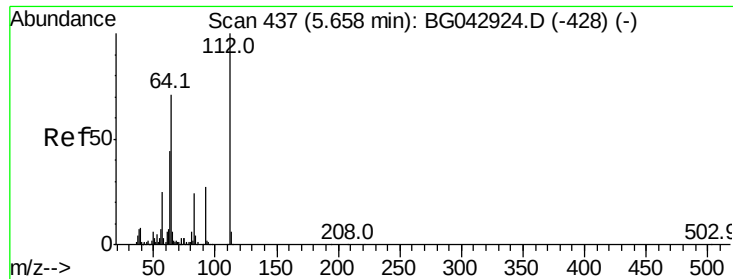
Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 42      | 100   |       |       |       |       |
| 74      | 104.5 | 80.5  | 120.7 |       |       |
| 44      | 6.2   | 6.9   | 10.3  |       |       |





#5

2-Fluorophenol

Concen: 135.148 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

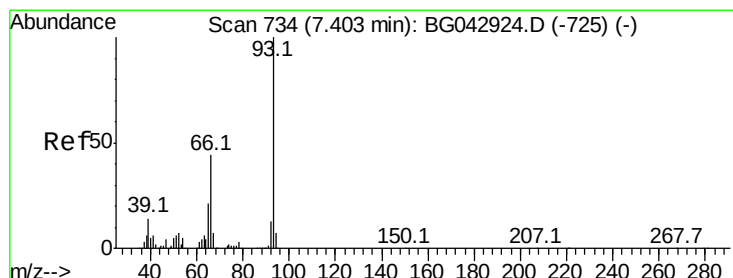
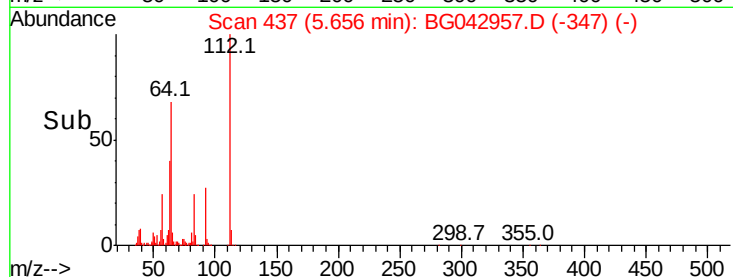
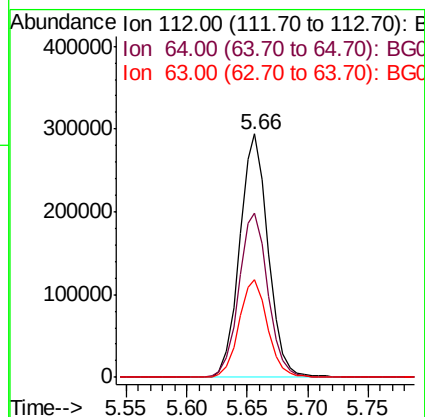
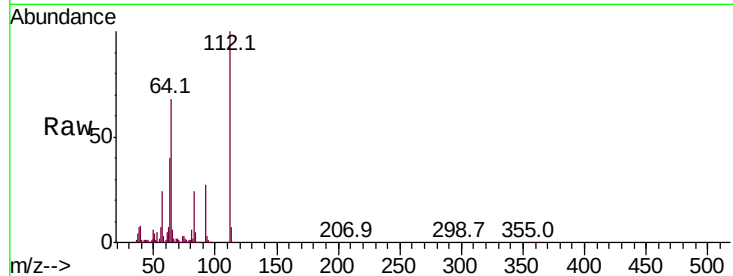
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 482788 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 67.6  | 56.6  | 84.8   |
| 63        | 40.0  | 35.1  | 52.7   |

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#6

Aniline

Concen: 18.908 ng

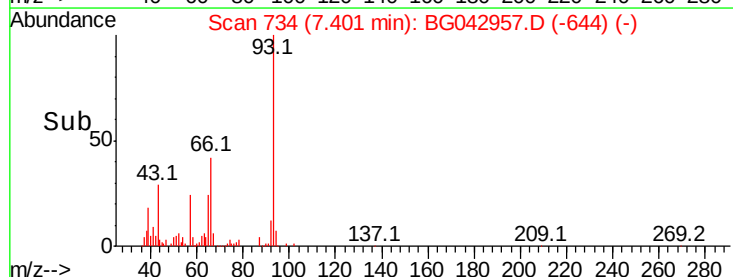
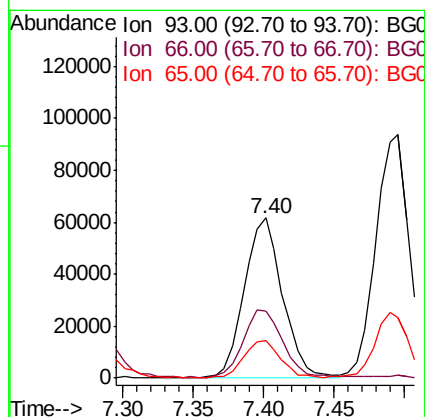
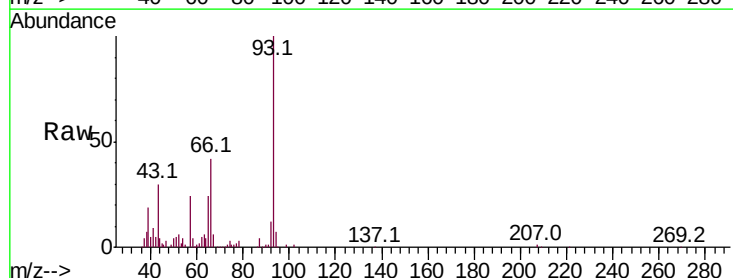
RT: 7.40 min Scan# 734

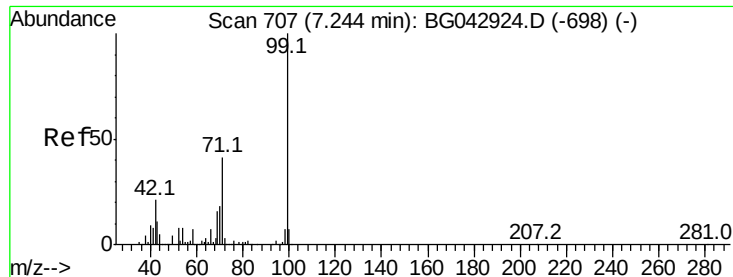
Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 117413 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 42.2  | 35.0  | 52.6   |
| 65        | 23.7  | 17.4  | 26.0   |





#7

Phenol-d6

Concen: 139.214 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

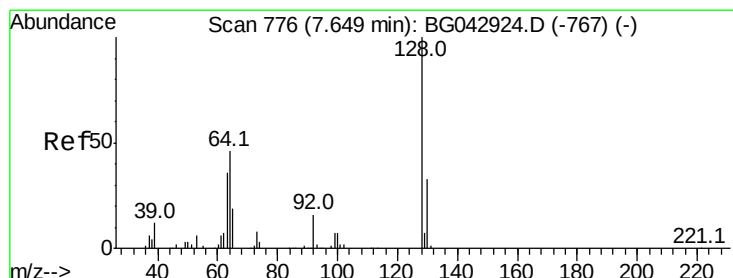
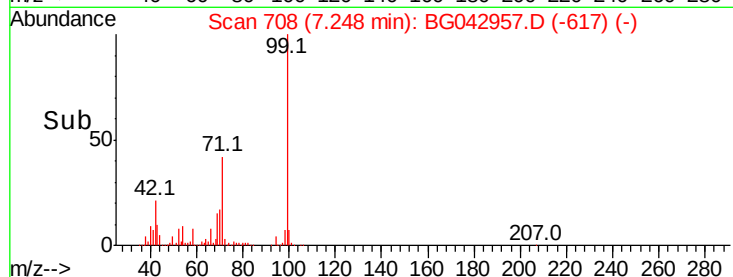
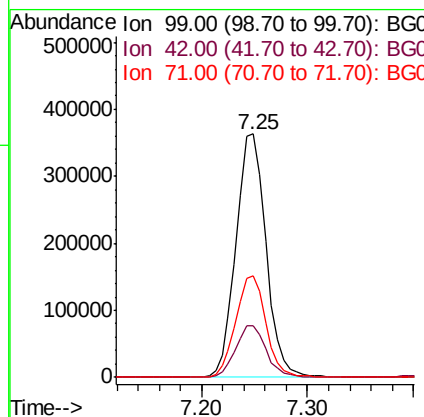
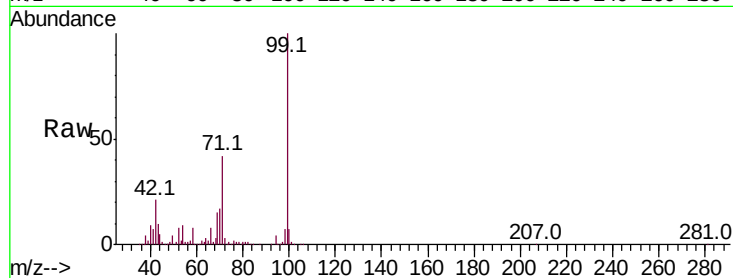
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 716162 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 21.1  | 17.2  | 25.8   |
| 71        | 41.9  | 33.1  | 49.7   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 47.684 ng

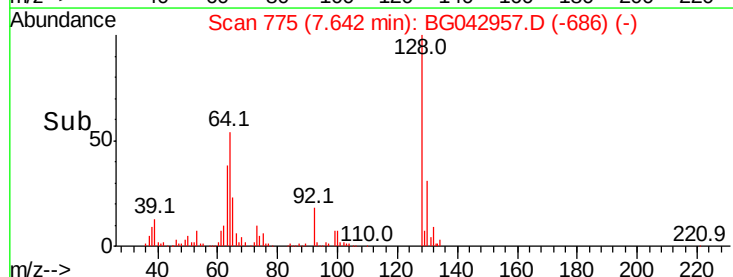
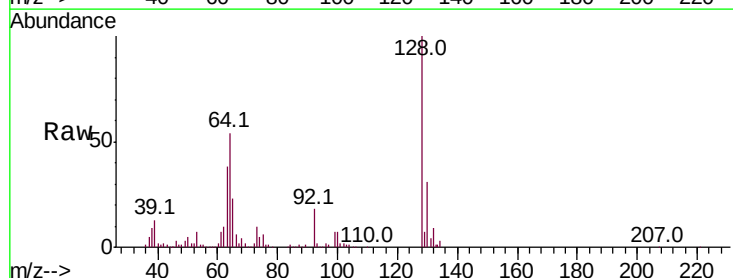
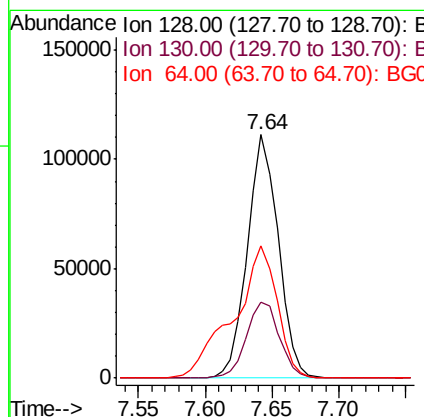
RT: 7.64 min Scan# 775

Delta R.T. -0.01 min

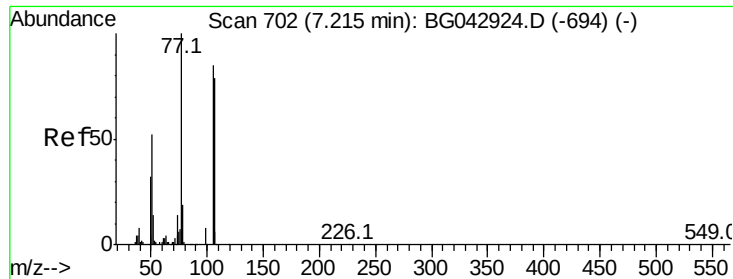
Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 177645 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 31.1  | 12.5  | 52.5   |
| 64        | 54.5  | 32.8  | 72.8   |







#9

Benzaldehyde

Concen: 42.071 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

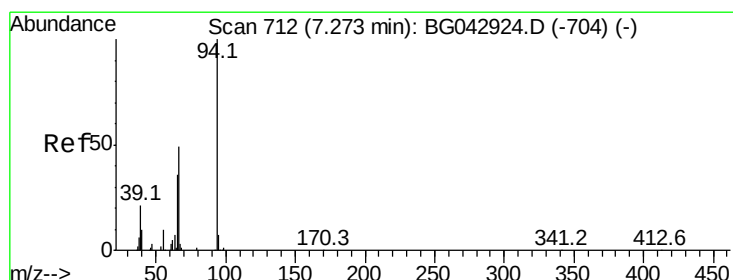
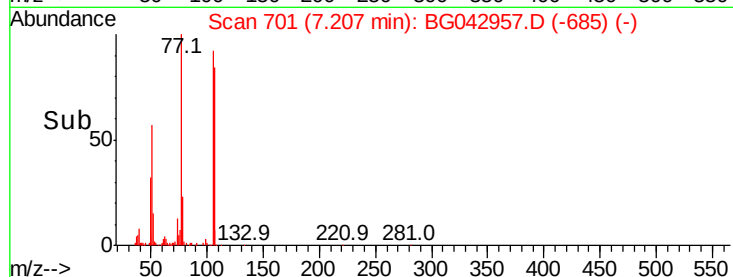
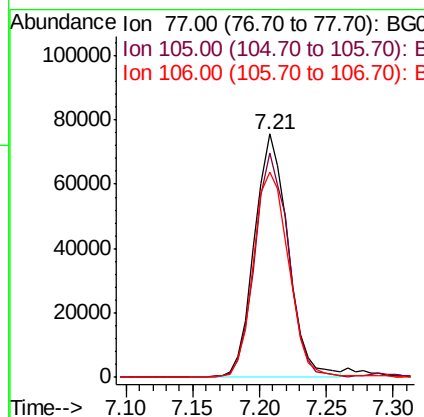
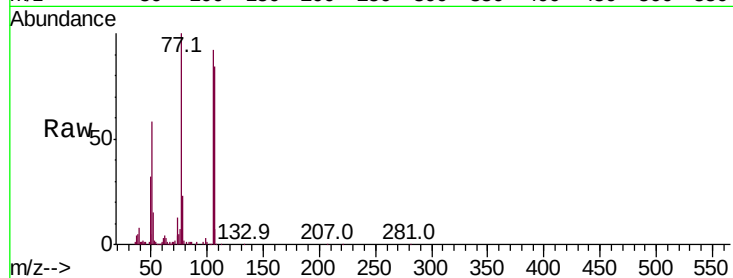
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 132252 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 92.1  | 64.6  | 104.6  |
| 106       | 84.1  | 59.4  | 99.4   |

Manual Integrations  
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#10

Phenol

Concen: 50.692 ng

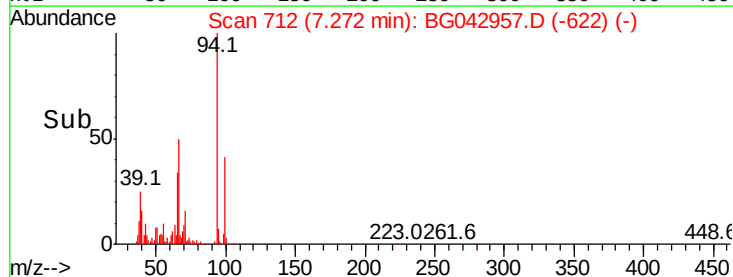
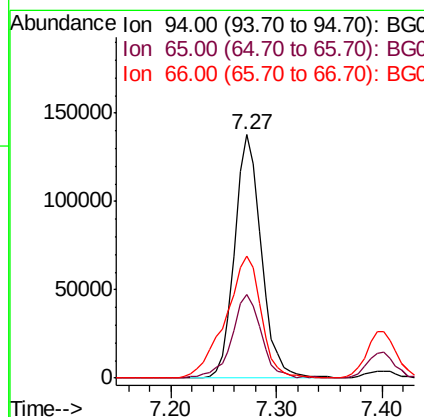
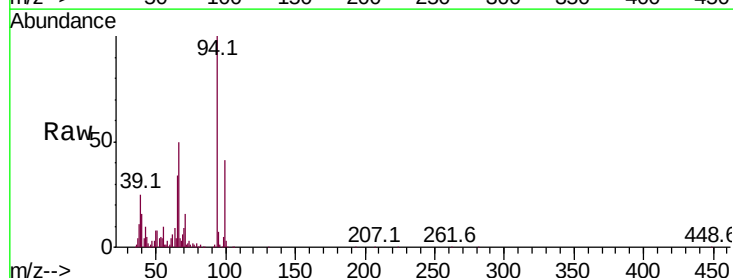
RT: 7.27 min Scan# 712

Delta R.T. -0.00 min

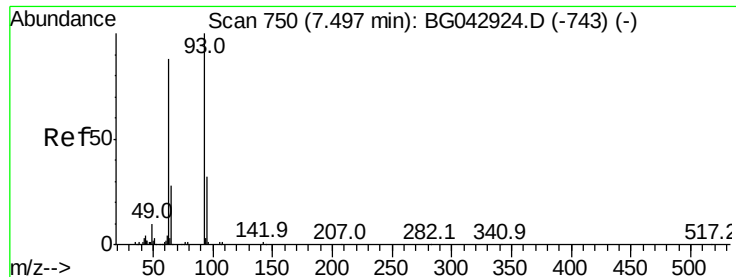
Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 239252 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 34.3  | 16.6  | 56.6   |
| 66        | 50.0  | 32.4  | 72.4   |







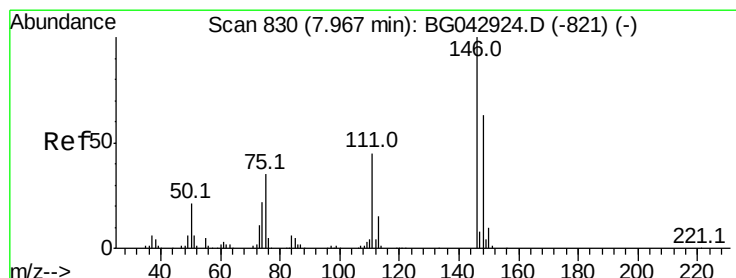
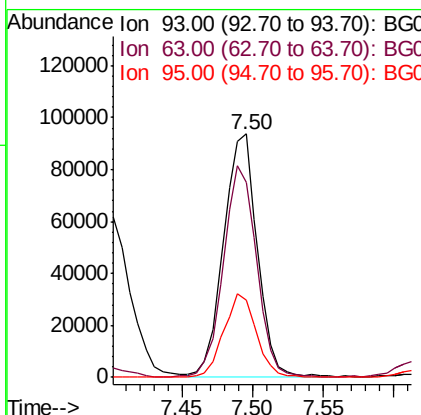
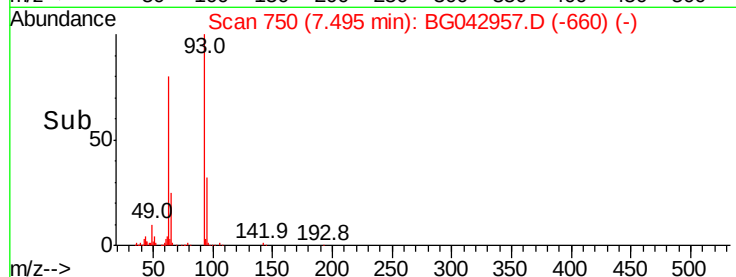
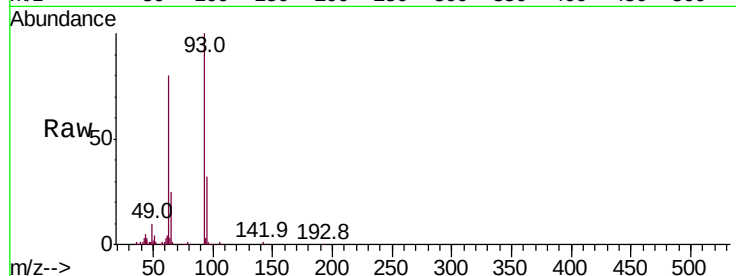
#11  
bis(2-Chloroethyl)ether  
Concen: 42.342 ng  
RT: 7.50 min Scan# 750  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 80.0  | 67.4  | 107.4 |
| 95      | 31.9  | 11.9  | 51.9  |

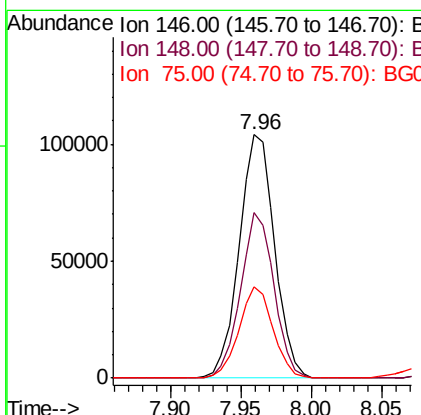
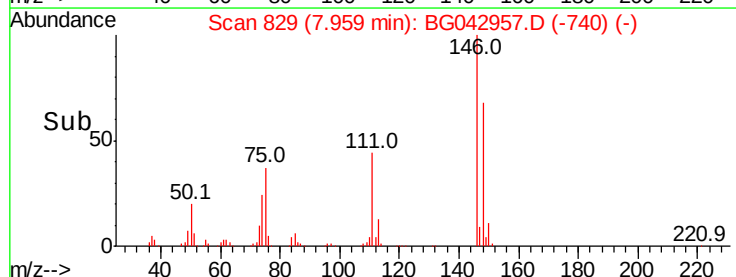
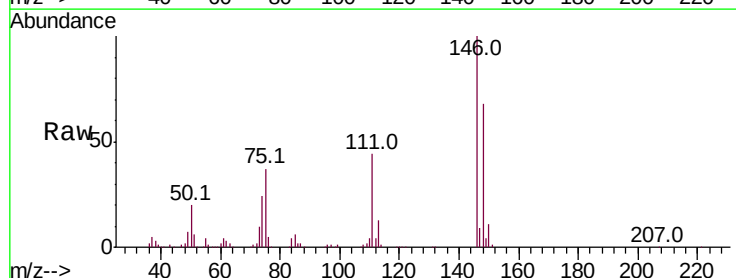
Manual Integrations  
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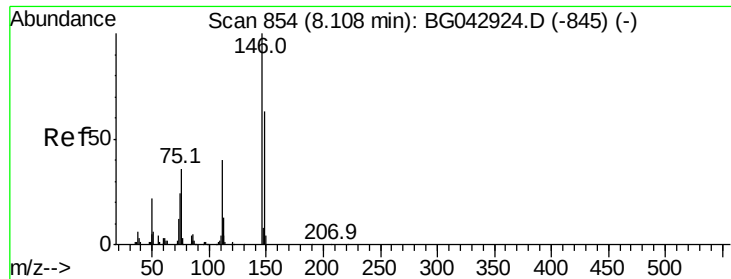
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 38.363 ng  
RT: 7.96 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.8  | 50.7  | 76.1  |
| 75      | 37.3  | 27.7  | 41.5  |





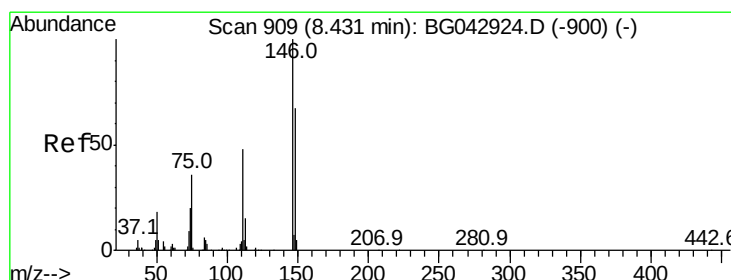
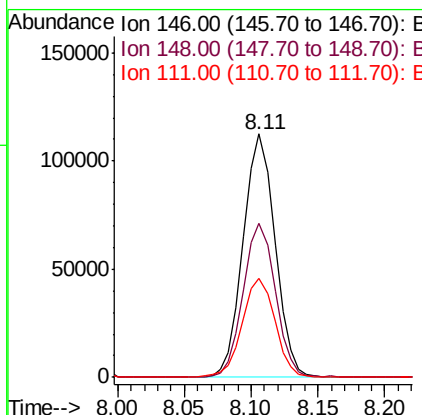
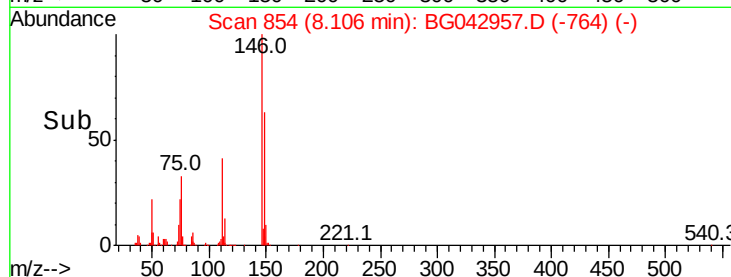
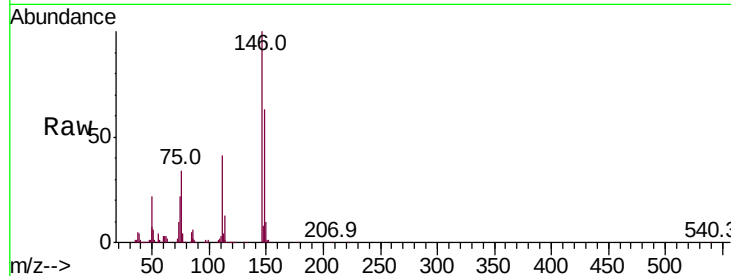
#13  
1,4-Dichlorobenzene  
Concen: 39.392 ng  
RT: 8.11 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 50.9  | 76.3  |
| 111     | 40.8  | 31.8  | 47.8  |

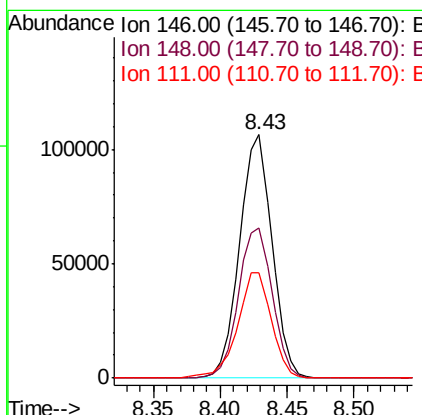
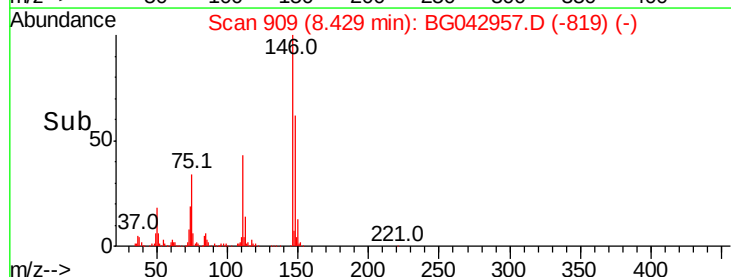
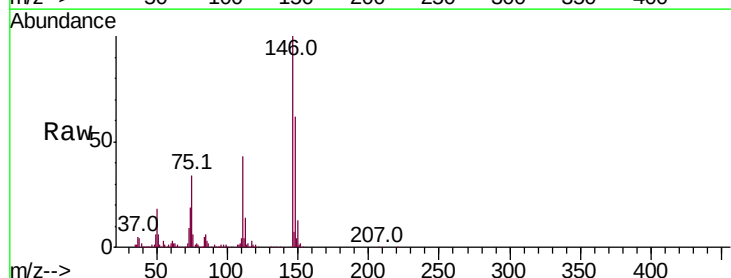
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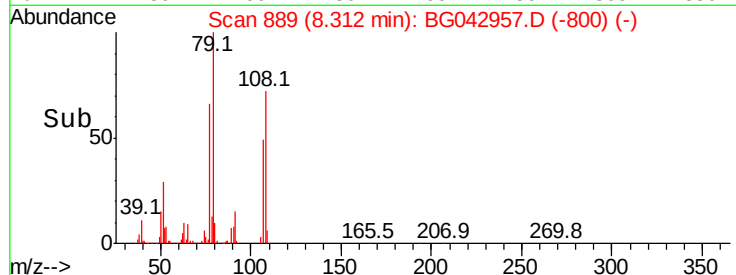
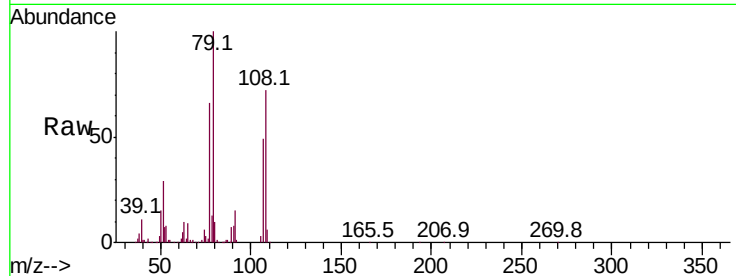
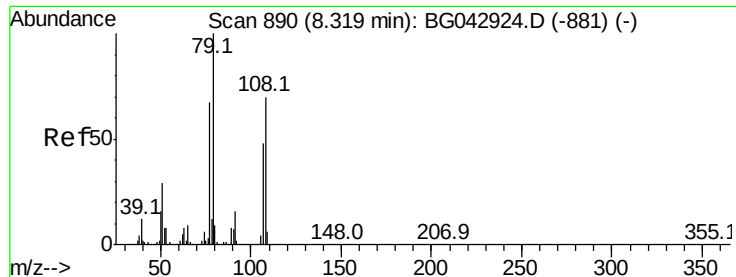
mohammad  
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#14  
1,2-Dichlorobenzene  
Concen: 39.594 ng  
RT: 8.43 min Scan# 909  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 61.8  | 53.4  | 80.2  |
| 111     | 43.2  | 38.5  | 57.7  |





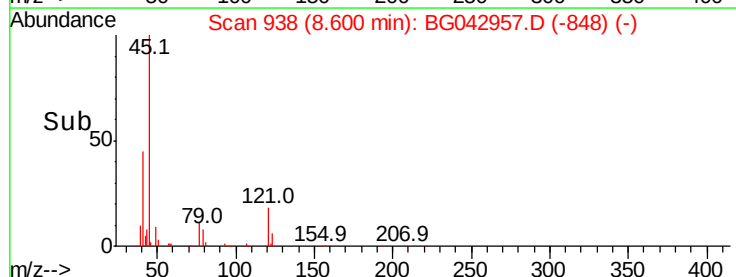
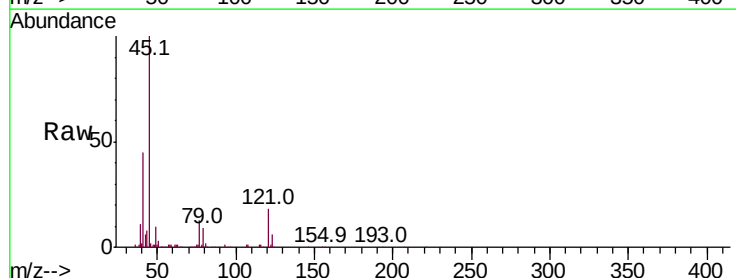
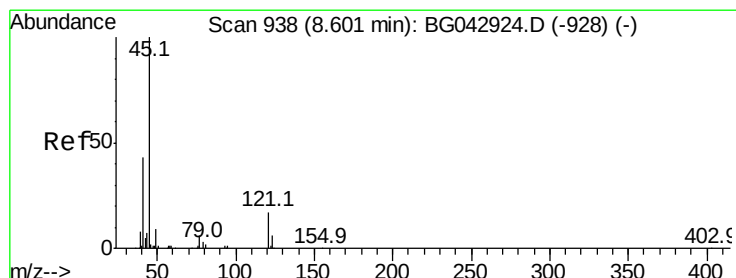
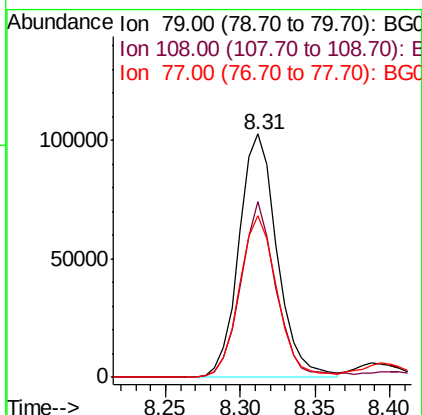
#15  
Benzyl Alcohol  
Concen: 46.978 ng  
RT: 8.31 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 71.9  | 55.7  | 83.5  |
| 77      | 66.4  | 53.3  | 79.9  |

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

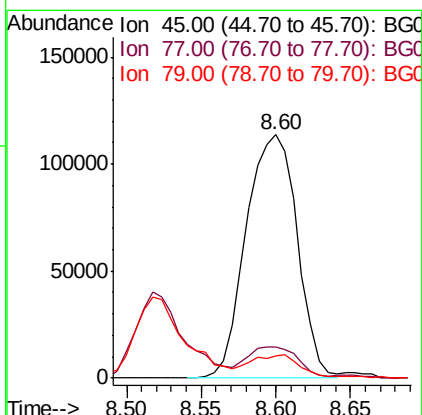
Manual Integrations  
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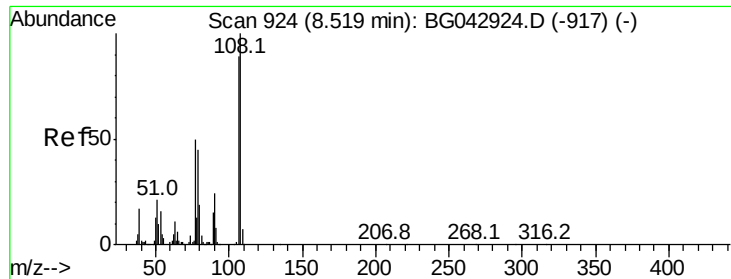
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.424 ng  
RT: 8.60 min Scan# 938  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 13.0  | 0.0   | 32.8  |
| 79      | 9.1   | 0.0   | 29.4  |





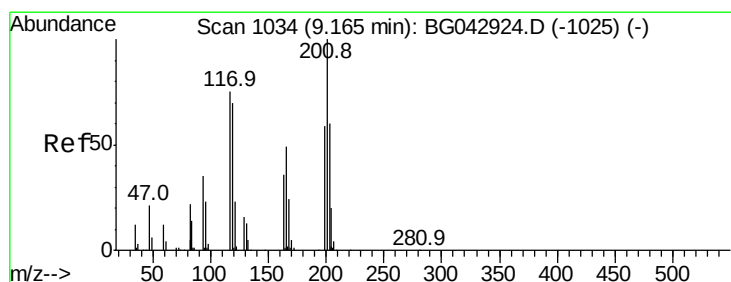
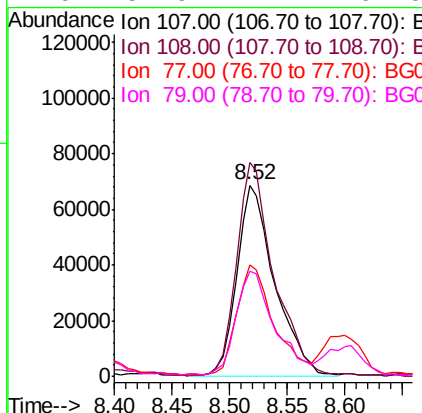
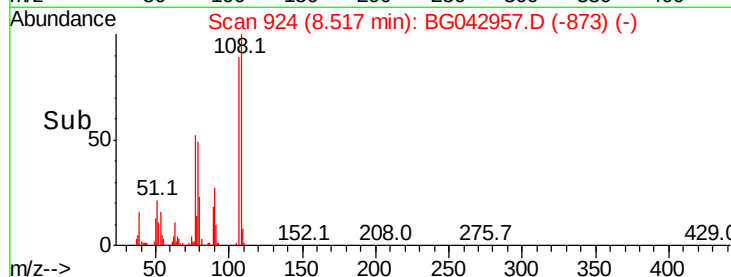
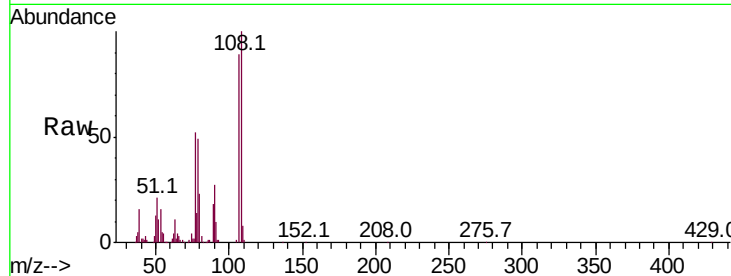
#17  
2-Methylphenol  
Concen: 47.372 ng  
RT: 8.52 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.9 | 89.9 | 134.9 |       |
| 77      | 58.3  | 45.4 | 68.2  |       |
| 79      | 54.9  | 41.4 | 62.0  |       |

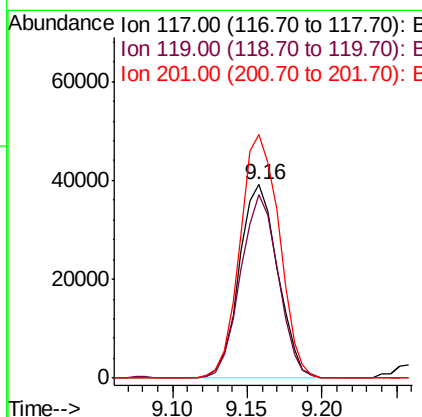
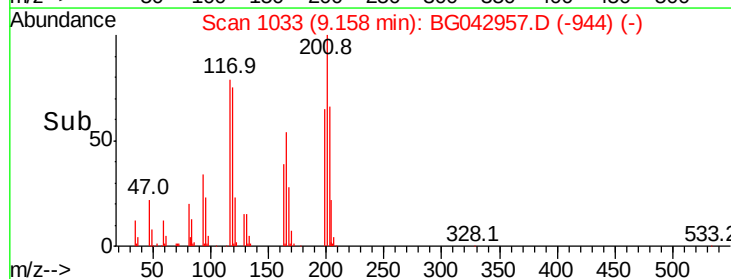
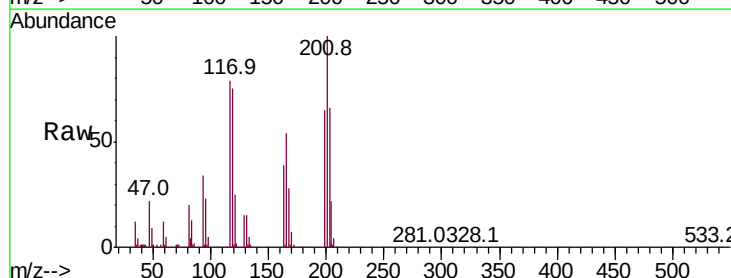
Manual Integrations  
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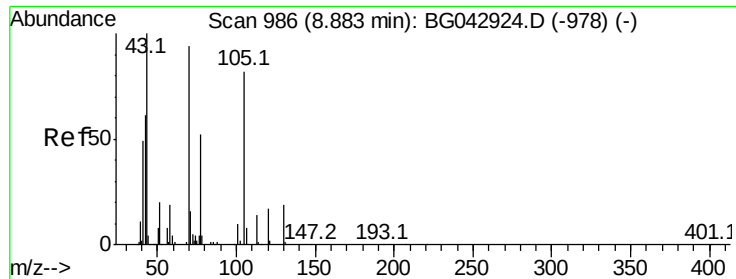
mohammad  
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#18  
Hexachloroethane  
Concen: 39.148 ng  
RT: 9.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 94.7  | 74.6  | 111.8 |       |
| 201     | 126.0 | 106.0 | 159.0 |       |





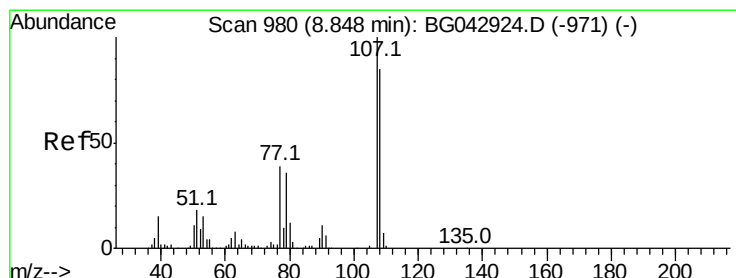
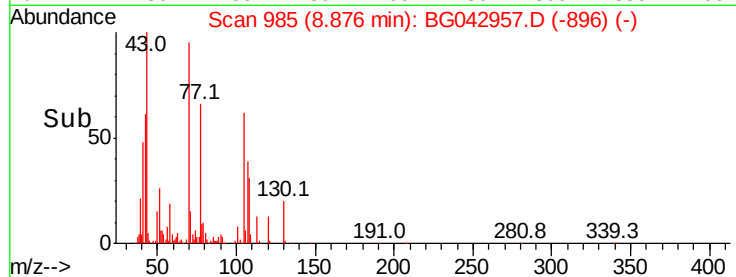
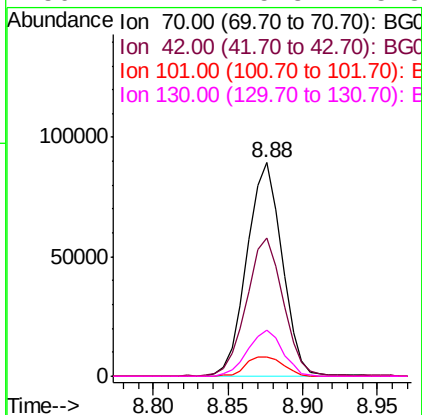
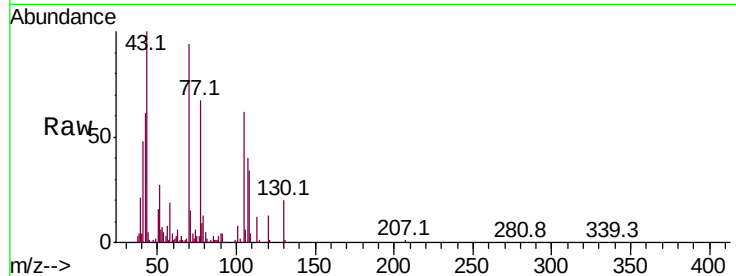
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.072 ng  
RT: 8.88 min Scan# 985  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 65.0  | 52.6  | 79.0  |
| 101     | 8.8   | 8.7   | 13.1  |
| 130     | 21.4  | 15.8  | 23.8  |

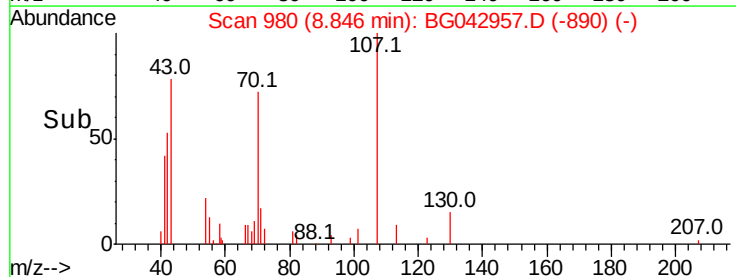
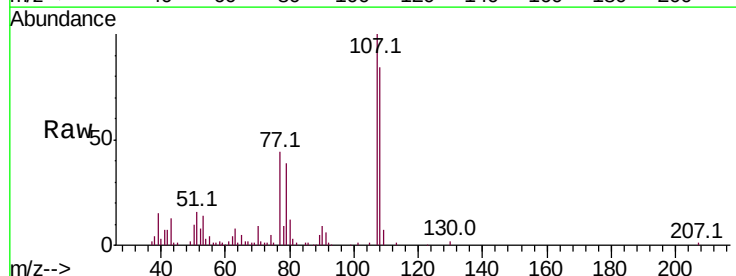
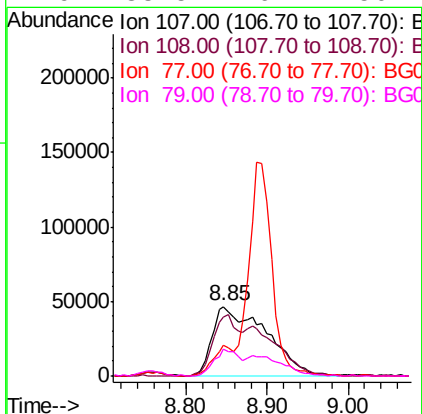
Manual Integrations  
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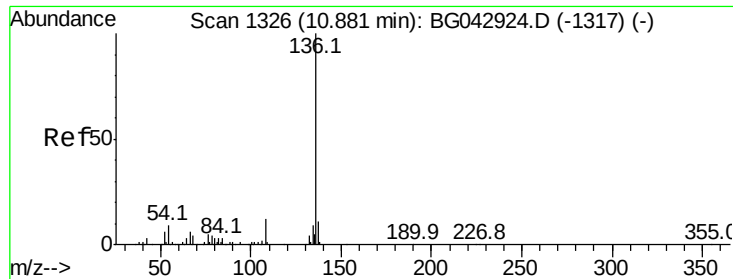
mohammad  
10/2/2019 8:33:23 AM



#20  
3+4-Methylphenols  
Concen: 48.001 ng m  
RT: 8.85 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 84.3  | 64.9  | 104.9 |
| 77      | 43.8  | 19.4  | 59.4  |
| 79      | 38.5  | 16.2  | 56.2  |





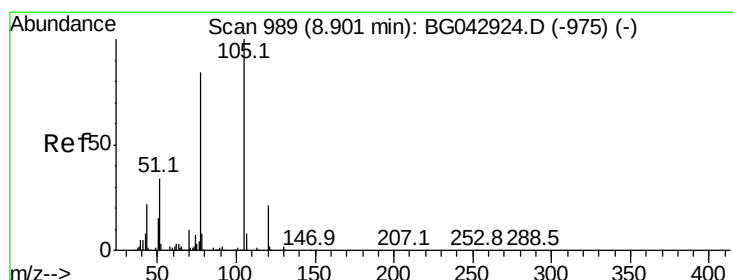
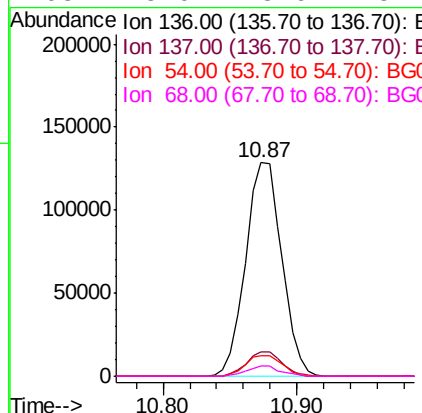
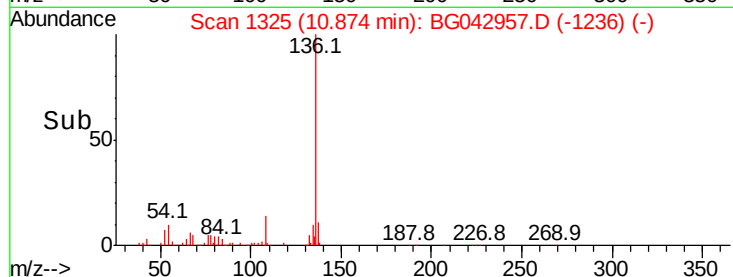
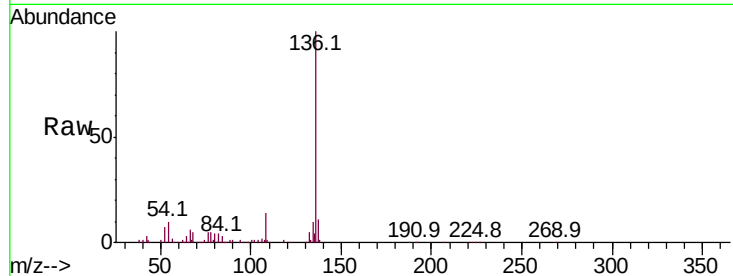
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 240227 |       |       |
| 137     | 11.2  | 8.5    | 12.7  |       |
| 54      | 9.8   | 7.4    | 11.2  |       |
| 68      | 5.0   | 3.6    | 5.4   |       |

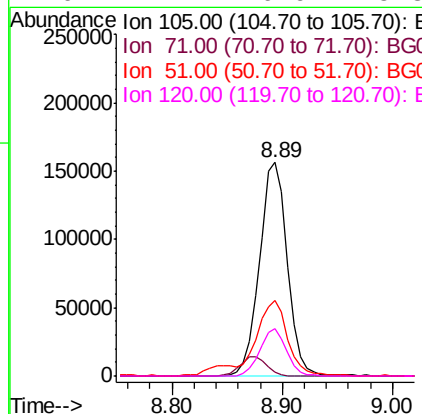
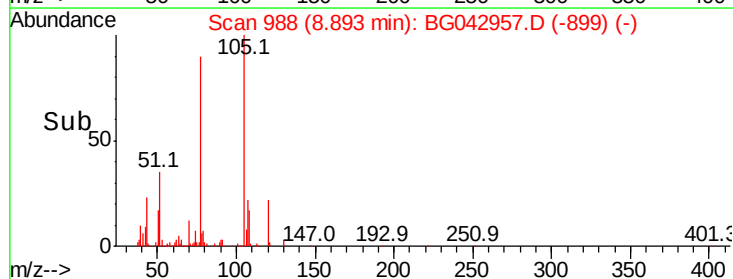
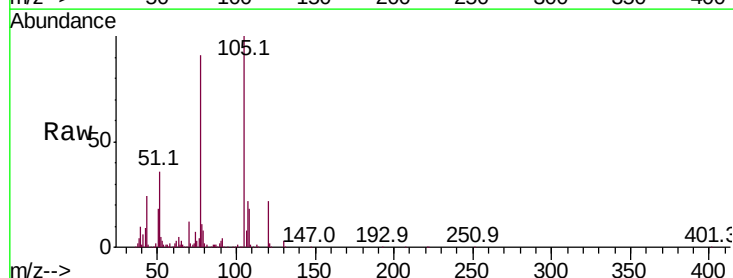
Manual Integrations  
APPROVED

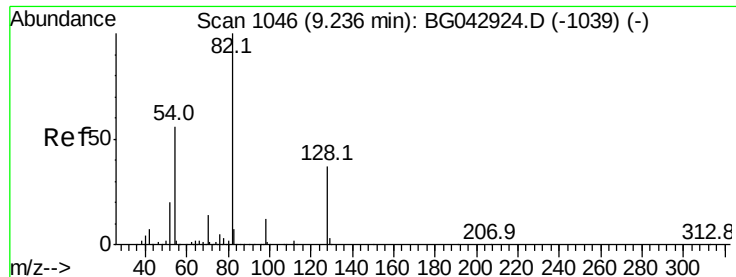
mohammad  
10/2/2019 8:33:23 AM



#22  
Acetophenone  
Concen: 44.563 ng  
RT: 8.89 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 275947 |       |       |
| 71      | 1.5   | 1.2    | 1.8   |       |
| 51      | 35.6  | 27.2   | 40.8  |       |
| 120     | 22.4  | 16.9   | 25.3  |       |





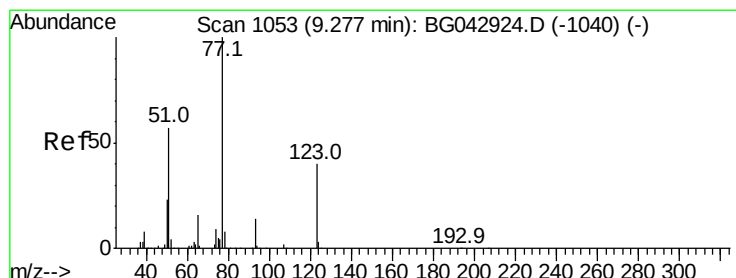
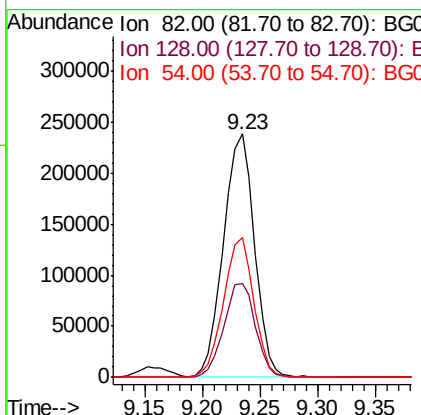
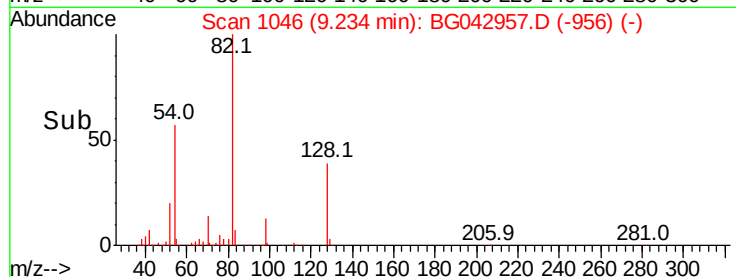
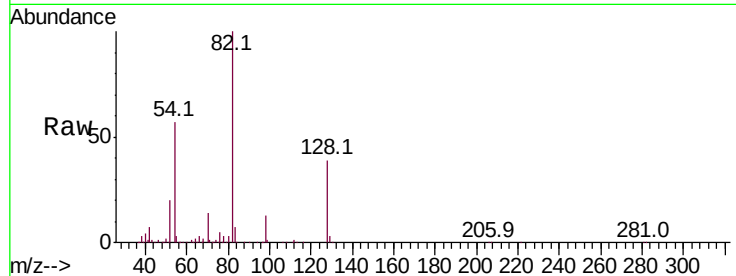
#23  
Nitrobenzene-d5  
Concen: 89.906 ng  
RT: 9.23 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 38.7  | 29.5 | 44.3  |       |
| 54      | 57.3  | 44.6 | 67.0  |       |

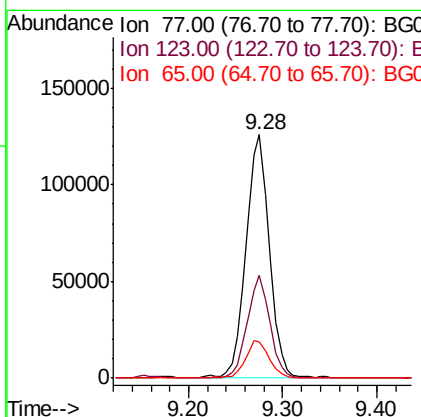
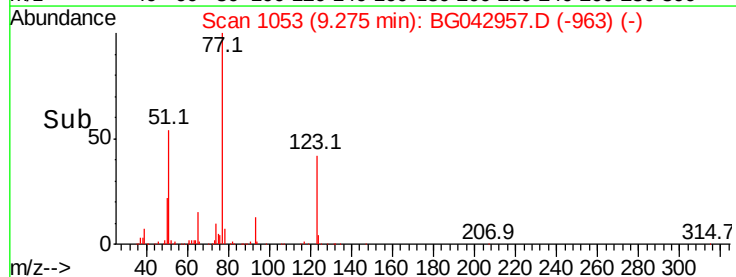
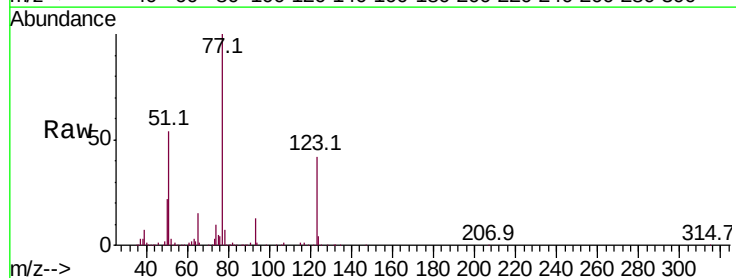
Manual Integrations  
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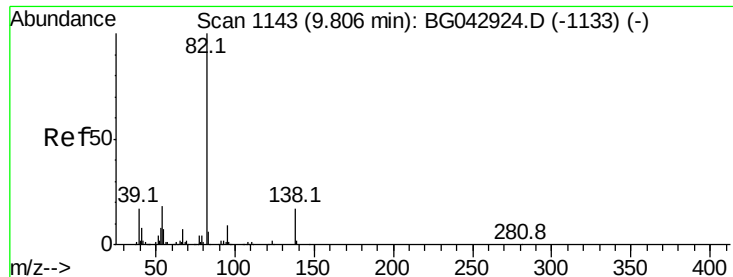


#24  
Nitrobenzene  
Concen: 45.770 ng  
RT: 9.28 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 42.0  | 31.9 | 47.9  |       |
| 65      | 14.8  | 12.4 | 18.6  |       |







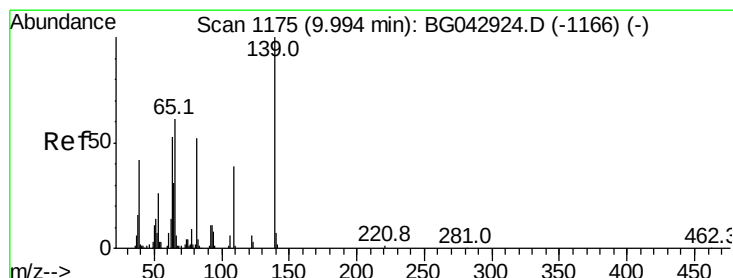
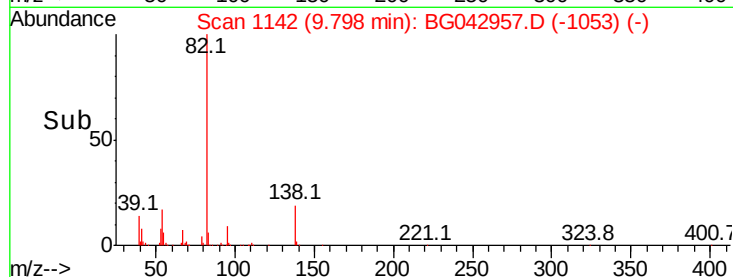
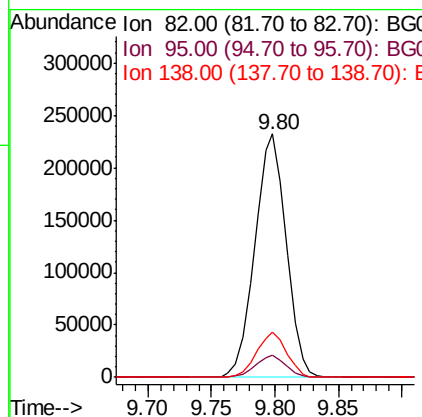
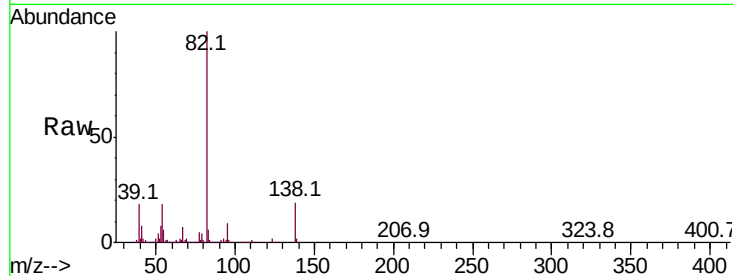
#25  
Isophorone  
Concen: 45.989 ng  
RT: 9.80 min Scan# 1142  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 95      | 9.1   | 7.0        | 10.4  |
| 138     | 18.8  | 13.8       | 20.6  |

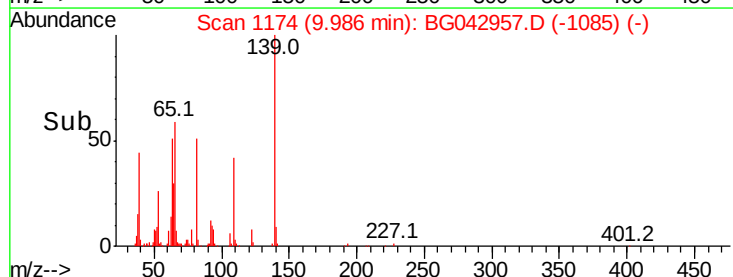
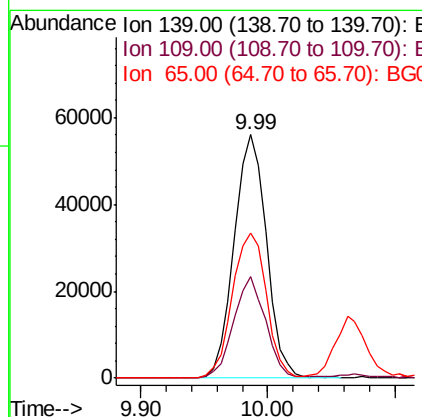
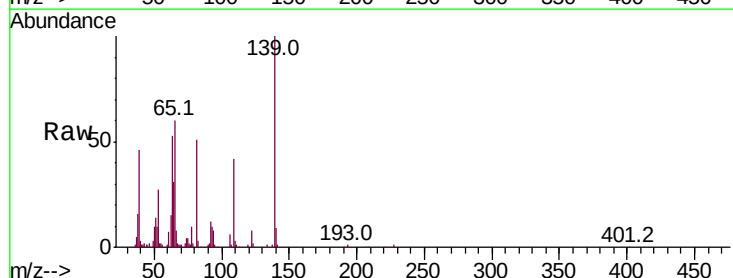
Manual Integrations  
APPROVED

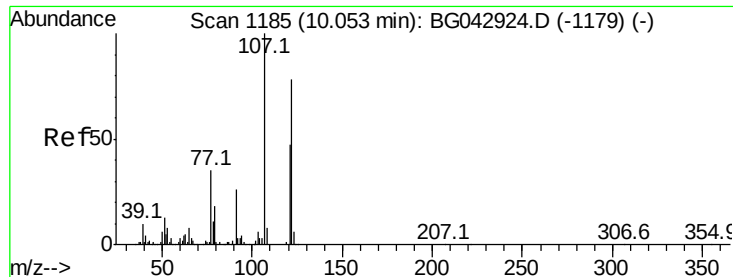
mohammad  
10/2/2019 8:33:23 AM



#26  
2-Nitrophenol  
Concen: 49.295 ng  
RT: 9.99 min Scan# 1174  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 139     | 100   |            |       |
| 109     | 41.9  | 31.0       | 46.6  |
| 65      | 59.6  | 48.4       | 72.6  |





#27

2,4-Dimethylphenol

Concen: 57.138 ng

RT: 10.06 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

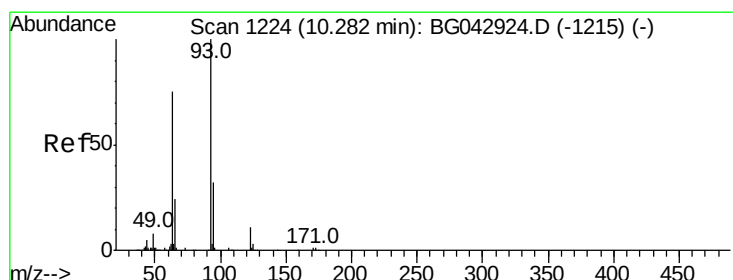
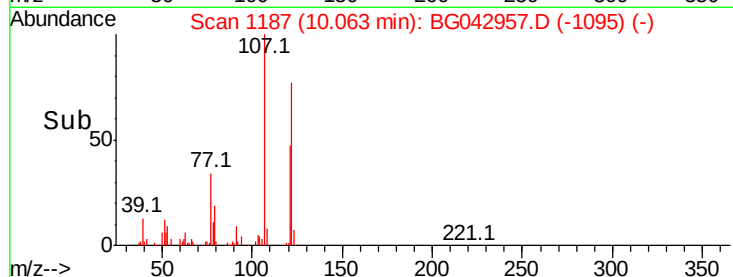
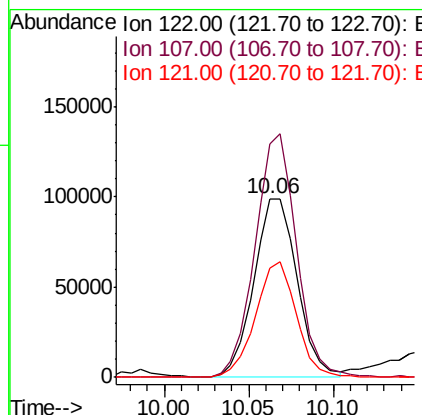
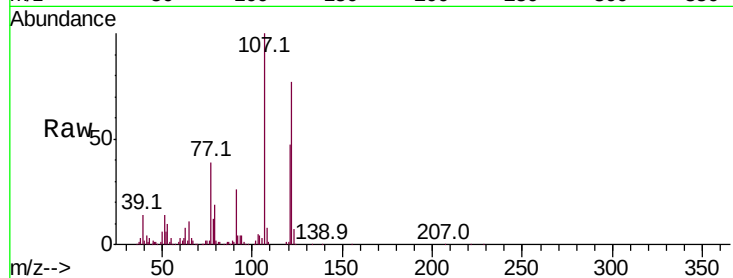
ClientSampleId :

PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 130.5 | 102.2 | 153.2 |
| 121     | 61.3  | 48.5  | 72.7  |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 44.808 ng

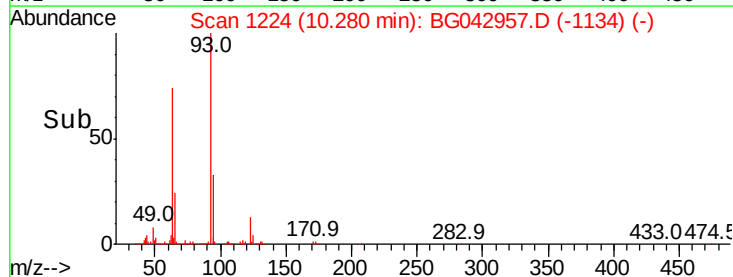
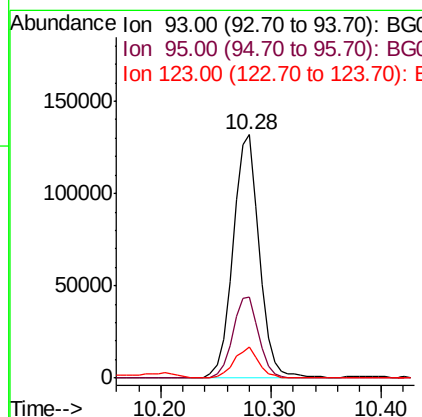
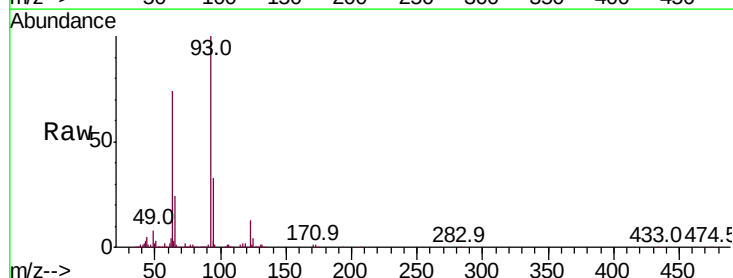
RT: 10.28 min Scan# 1224

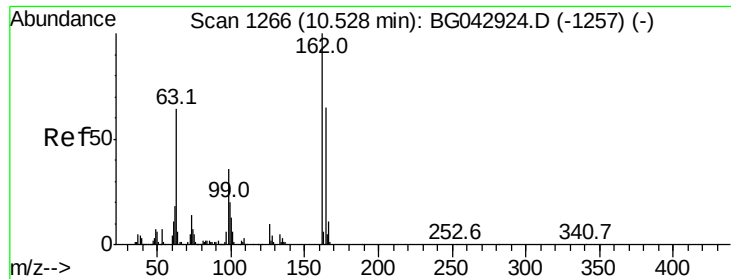
Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.3  | 25.4  | 38.0  |
| 123     | 12.8  | 9.3   | 13.9  |





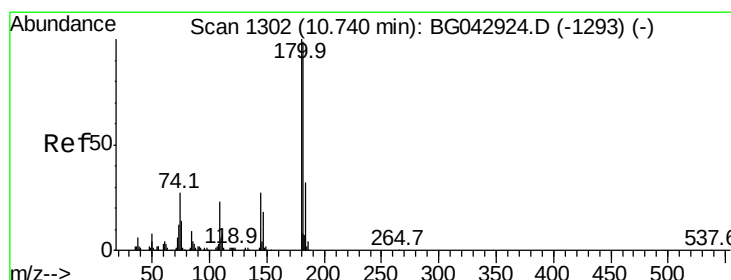
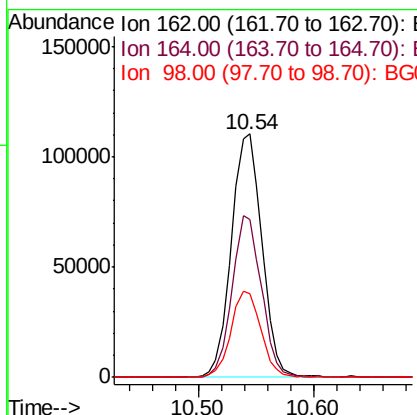
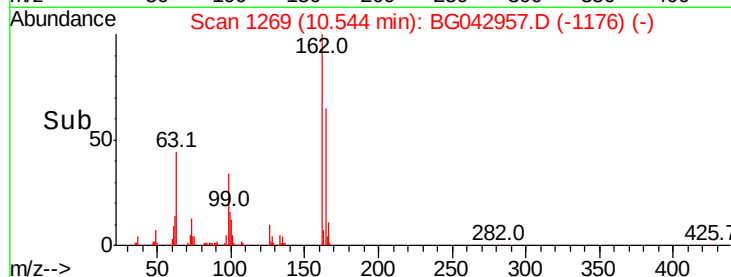
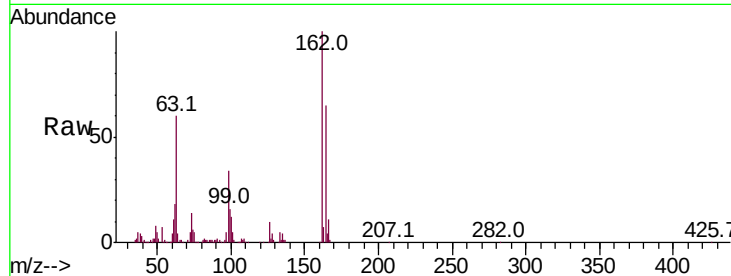
#29  
 2,4-Dichlorophenol  
 Concen: 52.854 ng  
 RT: 10.54 min Scan# 1269  
 Delta R.T. 0.02 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampled :  
 PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 202593 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.7  | 44.7  | 84.7   |
| 98        | 34.1  | 16.0  | 56.0   |

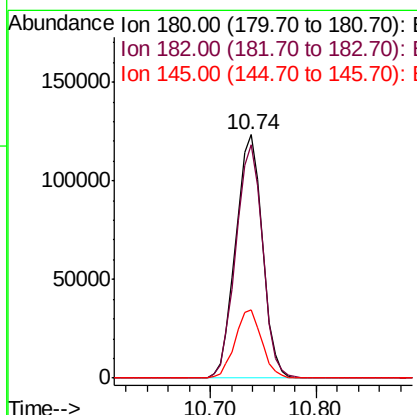
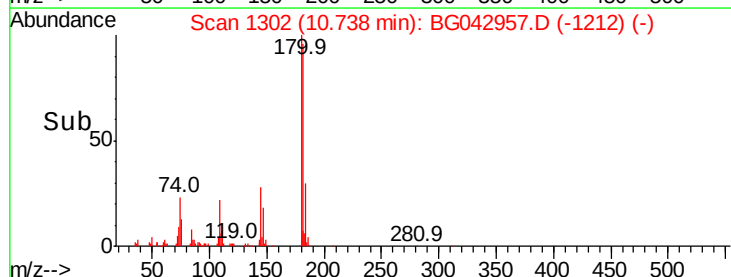
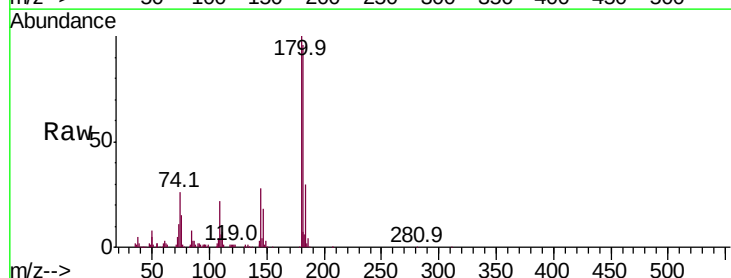
Manual Integrations  
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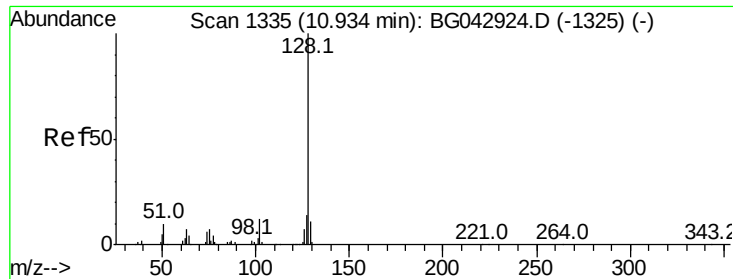
mohammad  
 10/2/2019 8:33:23 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.459 ng  
 RT: 10.74 min Scan# 1302  
 Delta R.T. -0.00 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 215121 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 79.3  | 118.9  |
| 145       | 28.2  | 22.0  | 33.0   |





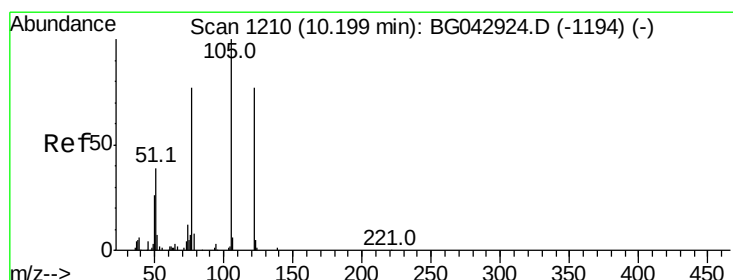
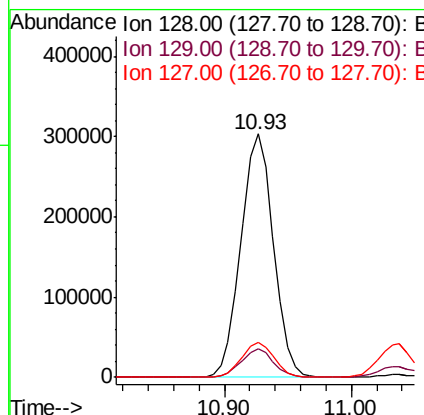
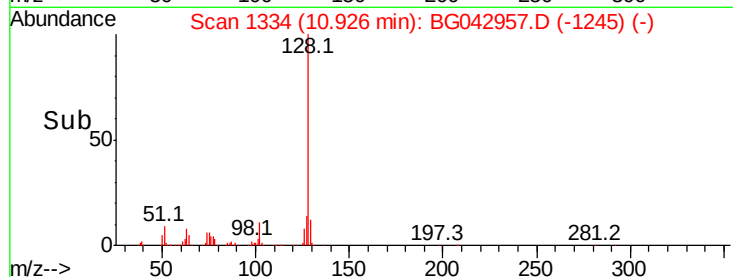
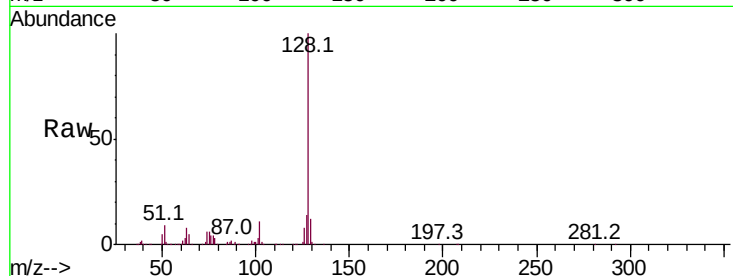
#31  
Naphthalene  
Concen: 45.641 ng  
RT: 10.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 129     | 11.5  | 8.8        | 13.2  |
| 127     | 14.2  | 11.3       | 16.9  |

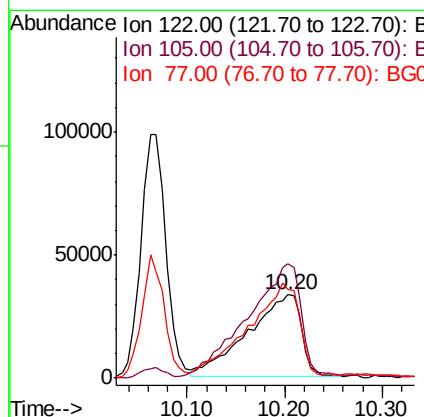
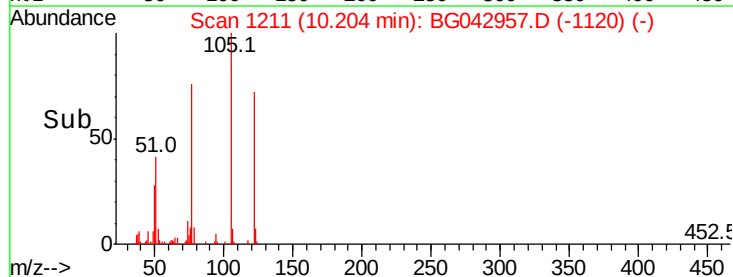
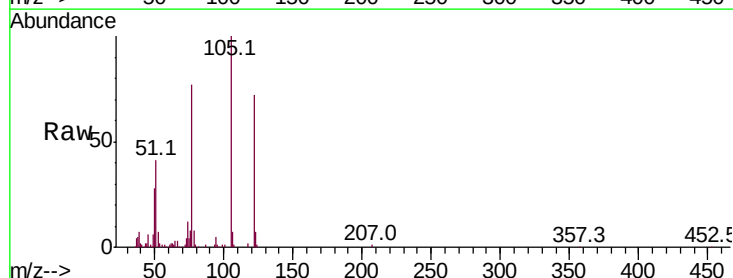
Manual Integrations  
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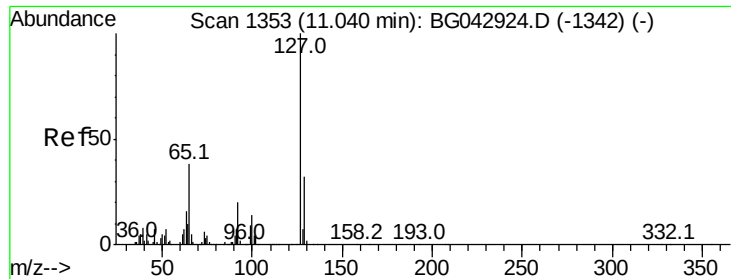
mohammad  
10/2/2019 8:33:23 AM



#32  
Benzoic acid  
Concen: 52.163 ng  
RT: 10.20 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 122     | 100   |            |       |
| 105     | 138.5 | 107.5      | 147.5 |
| 77      | 106.5 | 79.8       | 119.8 |





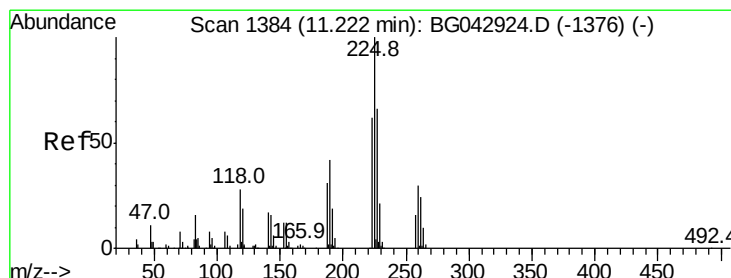
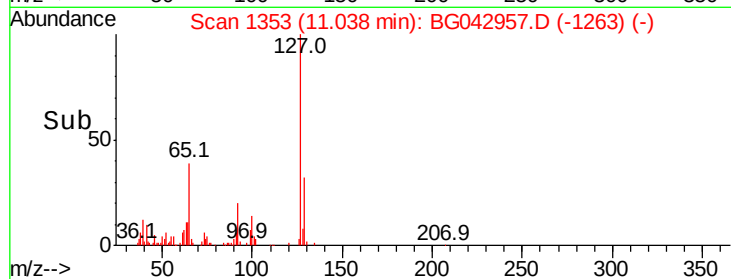
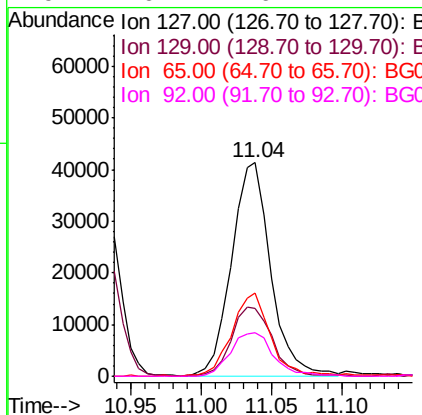
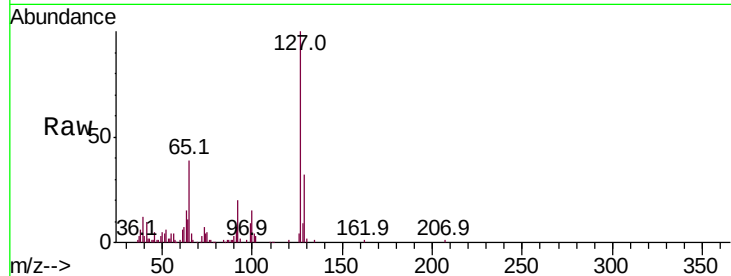
#33  
4-Chloroaniline  
Concen: 15.612 ng  
RT: 11.04 min Scan# 1353  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 31.6  | 26.2  | 39.2  |
| 65      | 39.3  | 30.6  | 45.8  |
| 92      | 20.2  | 16.2  | 24.4  |

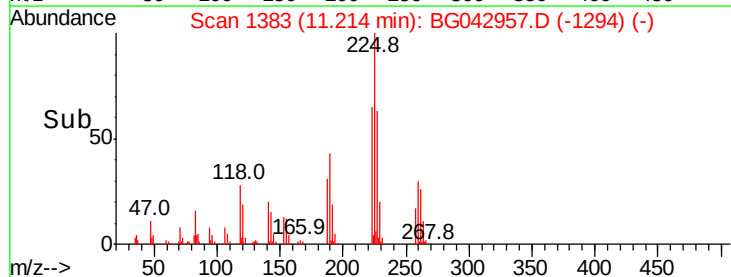
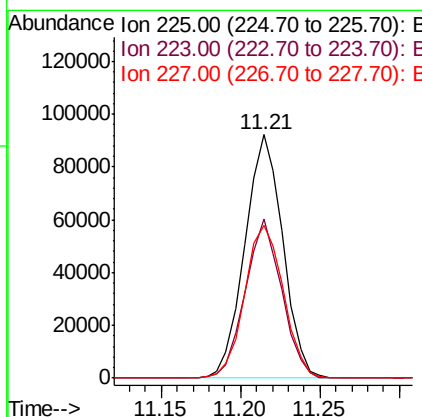
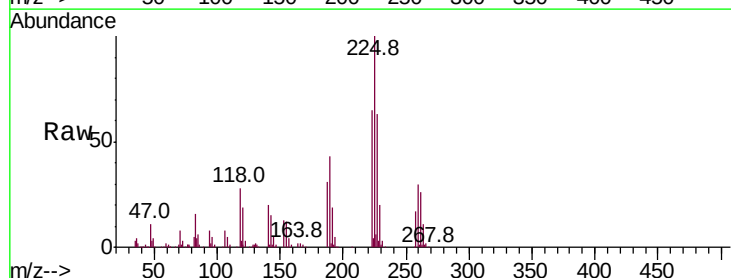
Manual Integrations  
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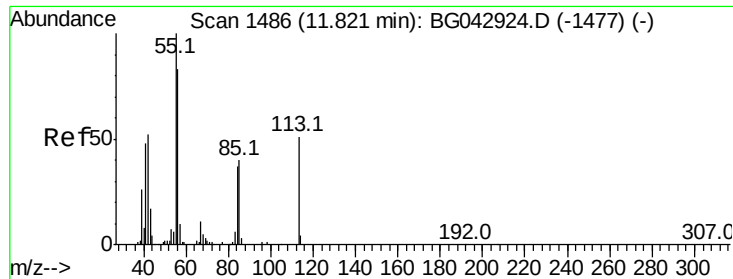
mohammad  
10/2/2019 8:33:23 AM



#34  
Hexachlorobutadiene  
Concen: 41.407 ng  
RT: 11.21 min Scan# 1383  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.2  | 49.3  | 73.9  |
| 227     | 62.6  | 52.8  | 79.2  |





#35

Caprolactam

Concen: 48.417 ng/ml

RT: 11.82 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

ClientSampleId :

PAT-091019-BMS

Tot Ion:113 Resp: 65446

Ion Ratio Lower Upper

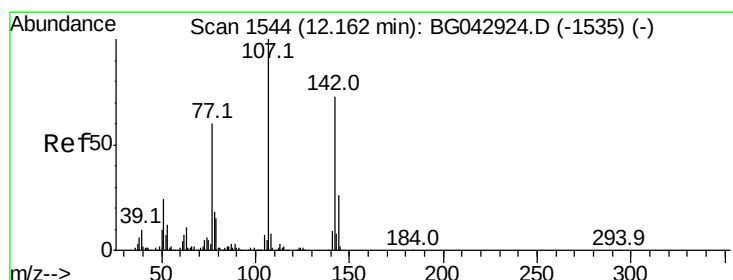
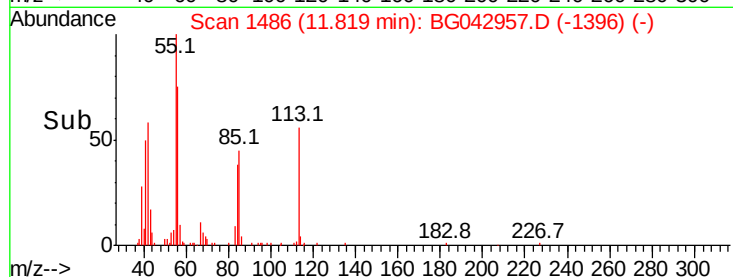
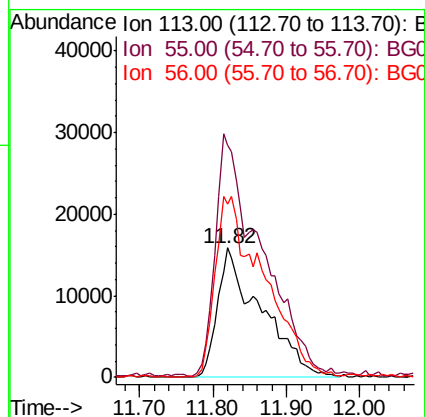
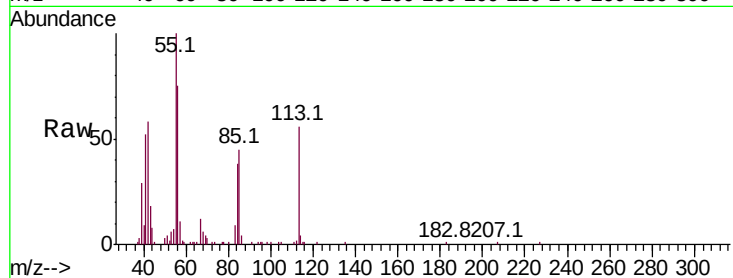
113 100

55 179.5 175.5 215.5

56 134.6 142.3 182.3#

Manual Integrations  
APPROVED

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#36

4-Chloro-3-methylphenol

Concen: 54.523 ng/ml

RT: 12.16 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

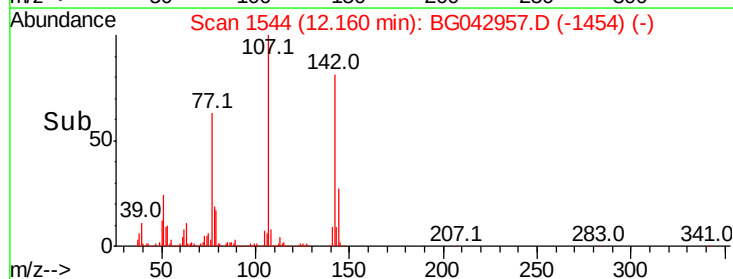
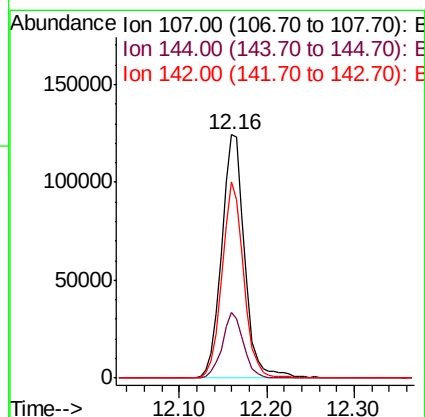
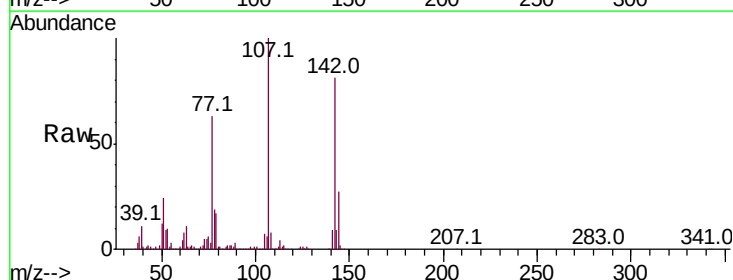
Tgt Ion:107 Resp: 227233

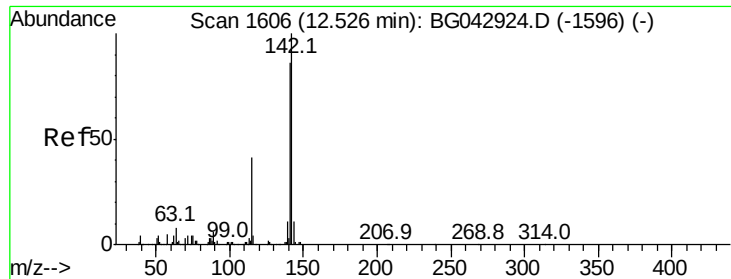
Ion Ratio Lower Upper

107 100

144 27.1 20.7 31.1

142 80.8 58.6 87.8





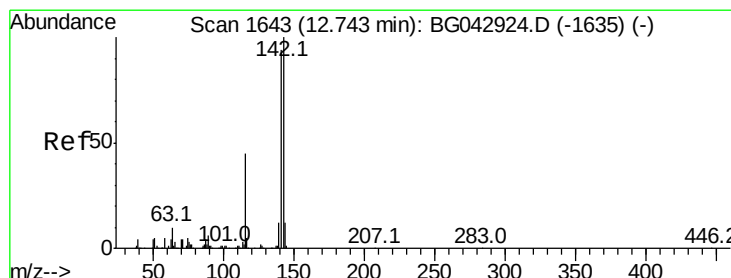
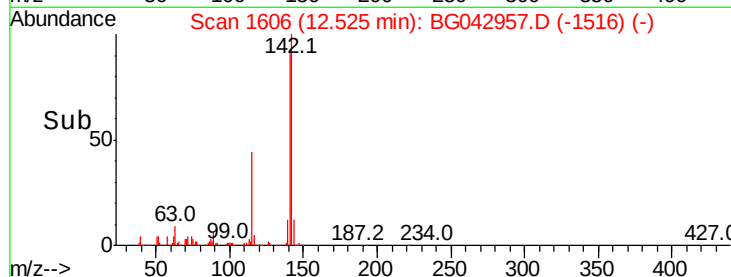
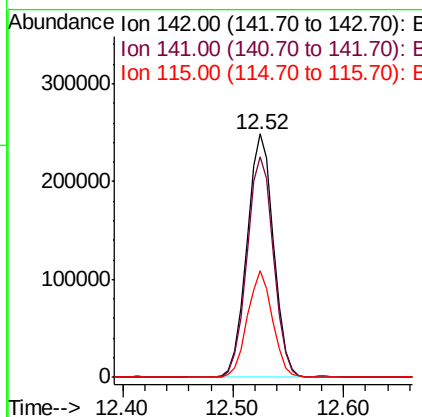
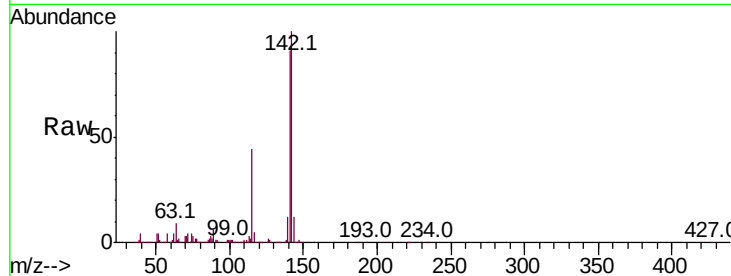
#37  
2-Methylnaphthalene  
Concen: 46.373 ng  
RT: 12.52 min Scan# 1606  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.8  | 69.0  | 103.4 |
| 115     | 43.8  | 32.8  | 49.2  |

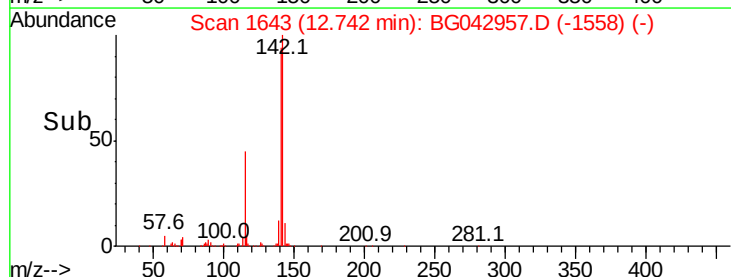
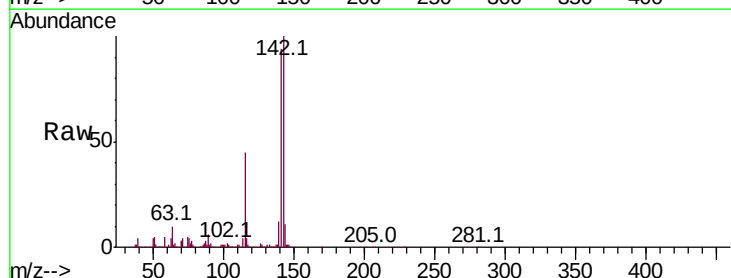
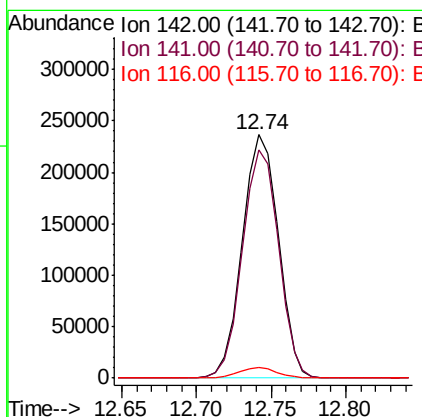
Manual Integrations  
APPROVED

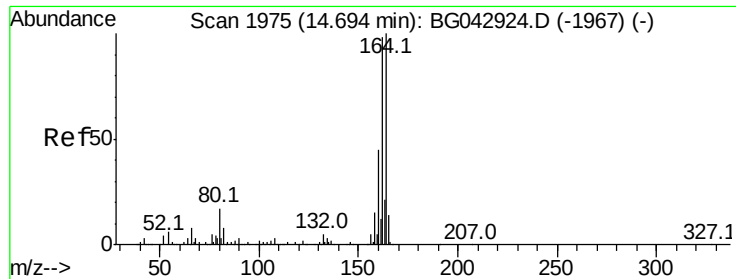
mohammad  
10/2/2019 8:33:23 AM



#38  
1-Methylnaphthalene  
Concen: 46.341 ng  
RT: 12.74 min Scan# 1643  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.6  | 74.9  | 112.3 |
| 116     | 4.5   | 3.7   | 5.5   |





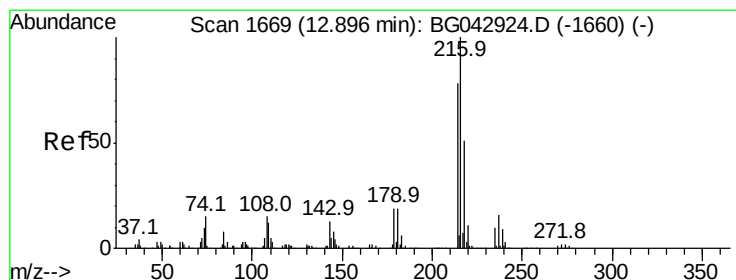
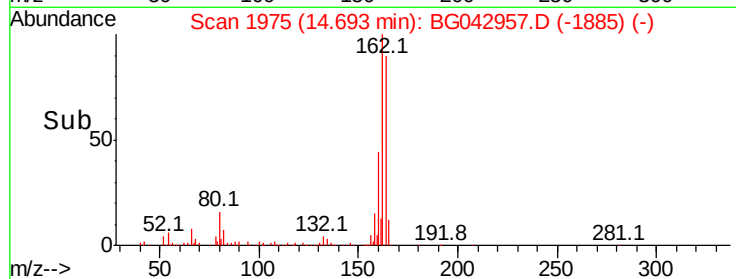
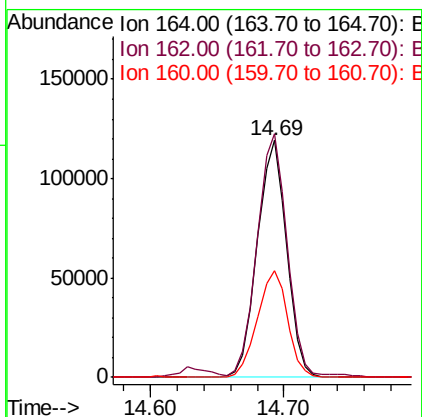
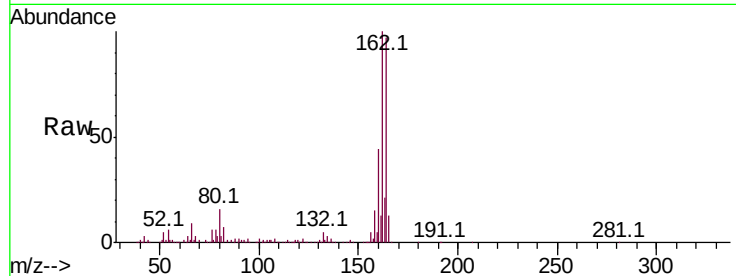
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 180014 |       |       |
| 162     | 102.8 | 78.5   | 117.7 |       |
| 160     | 45.0  | 35.9   | 53.9  |       |

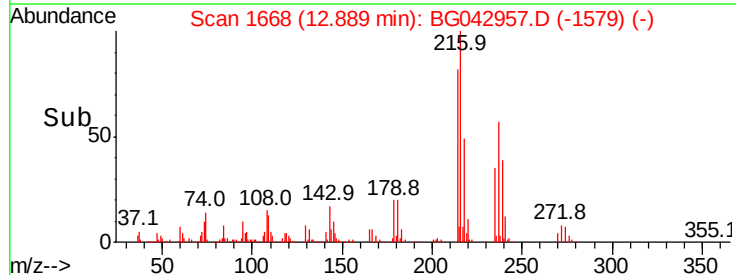
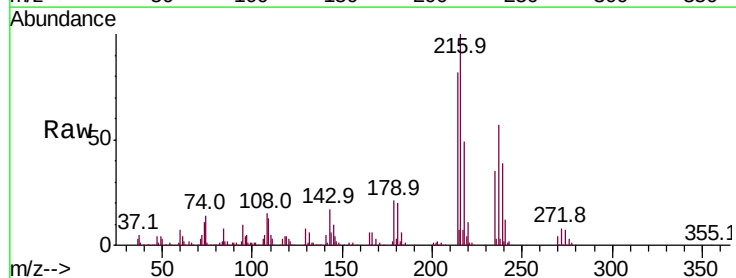
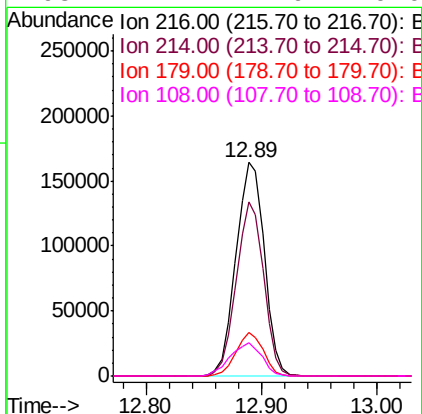
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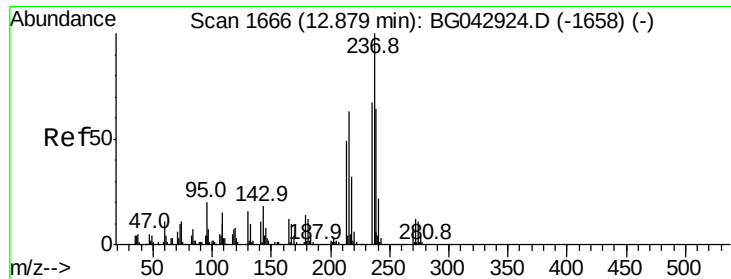


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.225 ng  
RT: 12.89 min Scan# 1668  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 279028 |       |       |
| 214     | 78.8  | 62.4   | 93.6  |       |
| 179     | 19.5  | 15.4   | 23.2  |       |
| 108     | 17.4  | 12.6   | 19.0  |       |







#41

Hexachlorocyclopentadiene

Concen: 88.822 ng

RT: 12.87 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

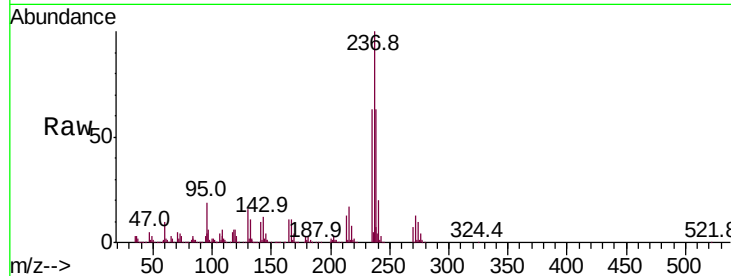
ClientSampleId :

PAT-091019-BMS

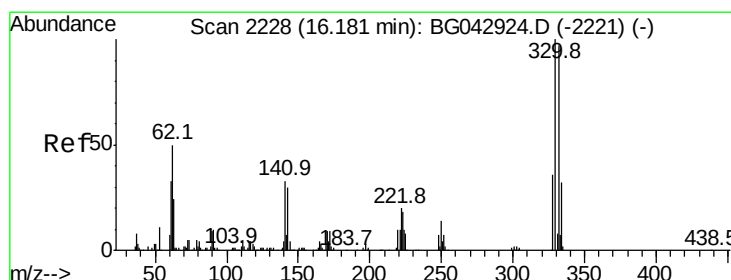
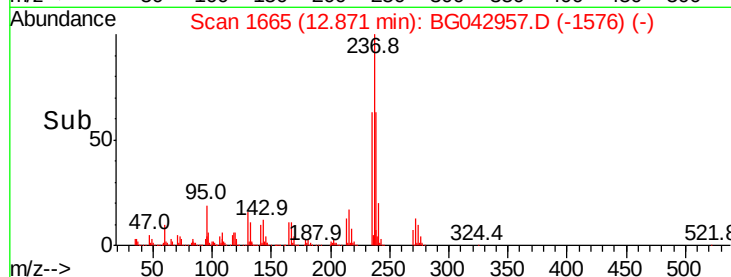
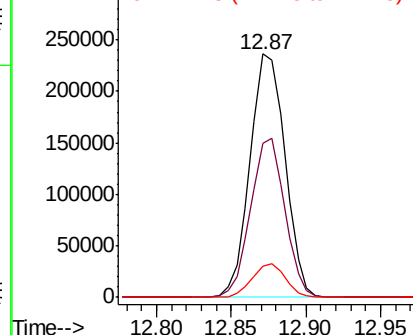
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 383045 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.5  | 46.7  | 86.7   |
| 272       | 12.7  | 0.0   | 32.3   |

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Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 143.839 ng

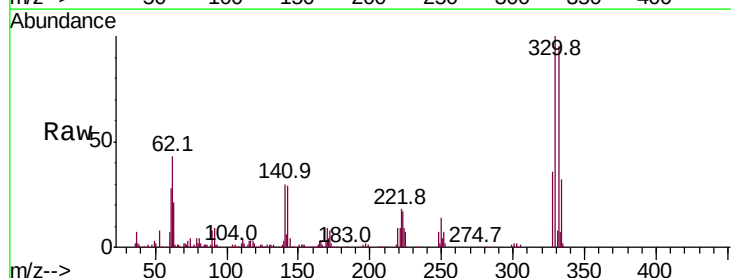
RT: 16.18 min Scan# 2228

Delta R.T. -0.00 min

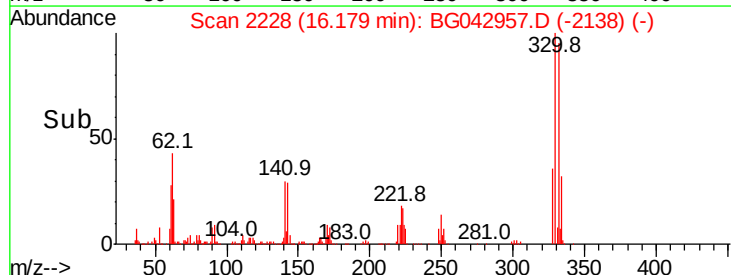
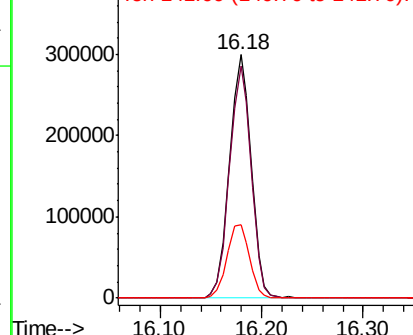
Lab File: BG042957.D

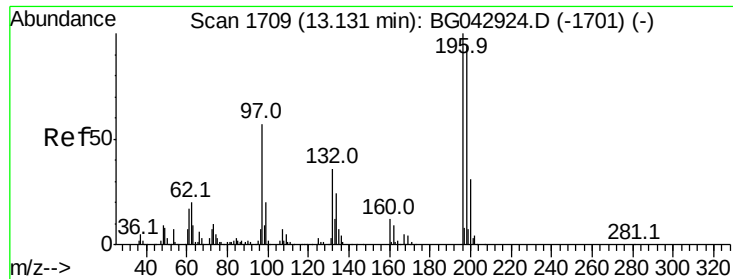
Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 445247 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.2  | 78.2  | 117.2  |
| 141       | 31.4  | 26.0  | 39.0   |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





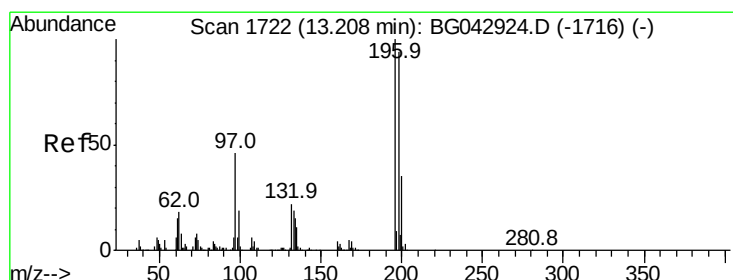
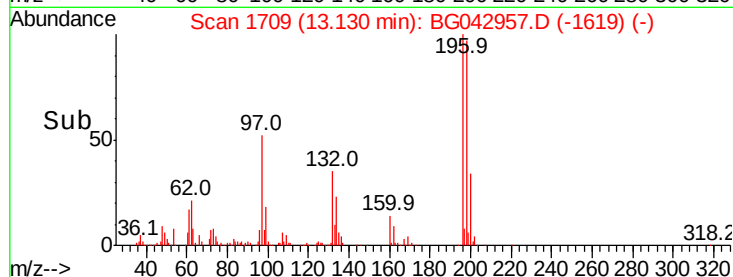
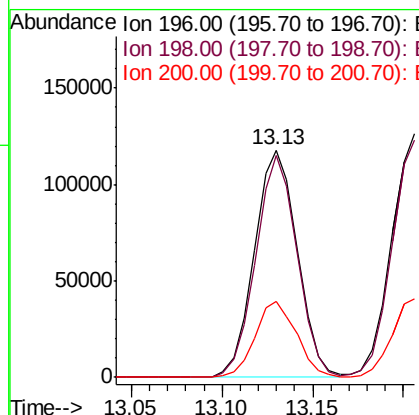
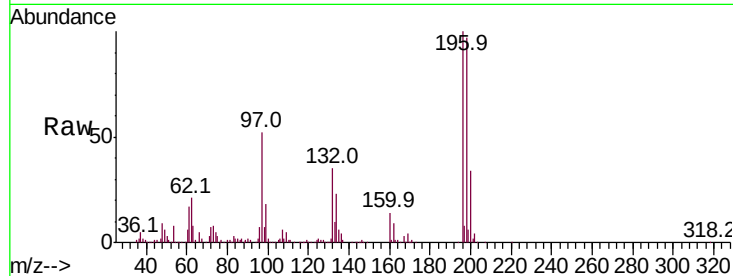
#43  
 2,4,6-Trichlorophenol  
 Concen: 48.721 ng  
 RT: 13.13 min Scan# 1709  
 Delta R.T. -0.00 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 193010 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 97.4  | 75.5  | 113.3  |
| 200       | 33.5  | 24.9  | 37.3   |

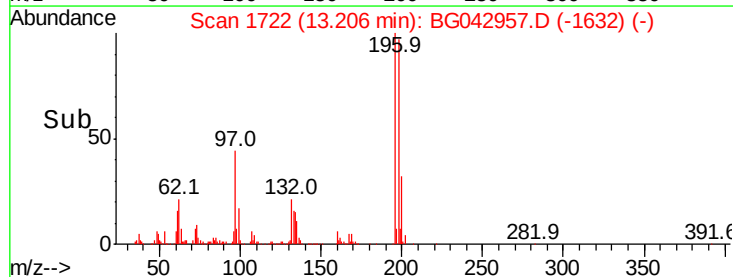
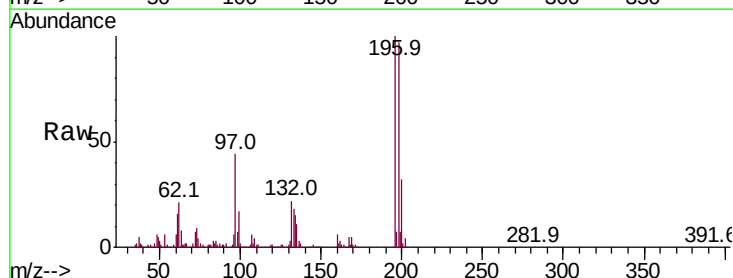
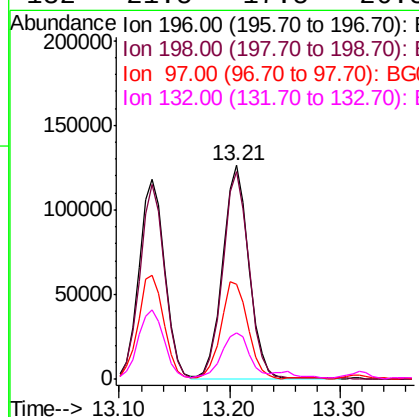
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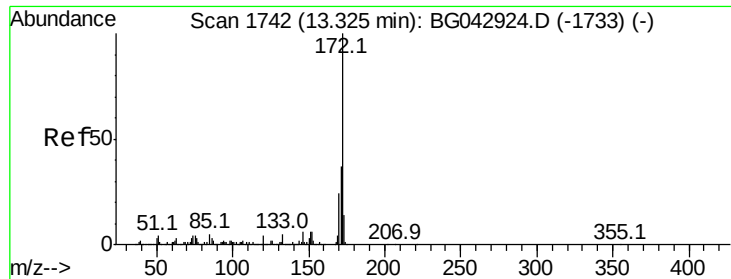
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#44  
 2,4,5-Trichlorophenol  
 Concen: 51.372 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.00 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 209651 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 97.2  | 75.1  | 112.7  |
| 97        | 44.4  | 37.0  | 55.4   |
| 132       | 21.5  | 17.5  | 26.3   |





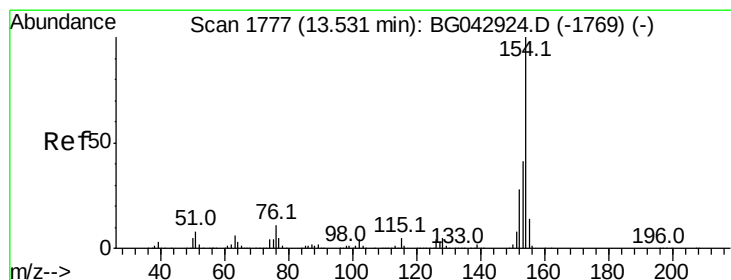
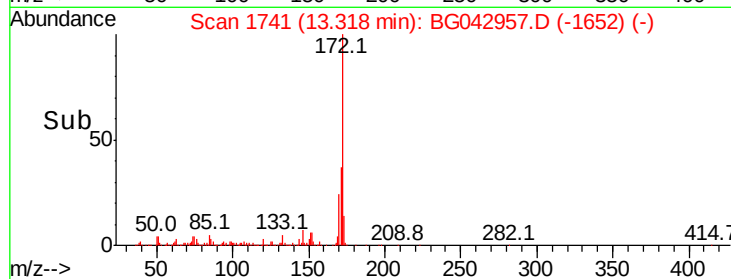
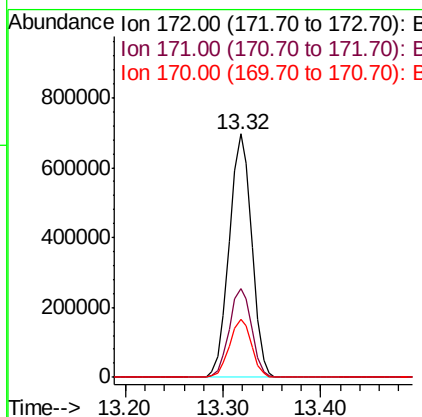
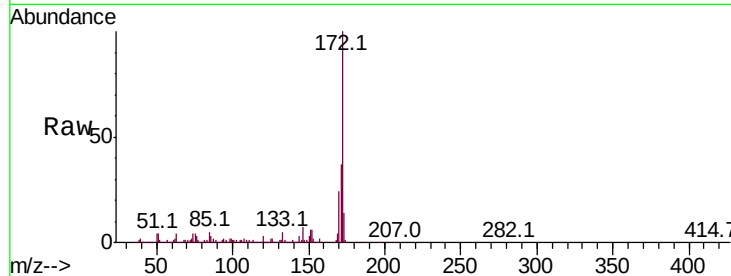
#45  
2-Fluorobiphenyl  
Concen: 89.633 ng  
RT: 13.32 min Scan# 1741  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.6  | 44.4  |
| 170     | 23.7  | 19.6  | 29.4  |

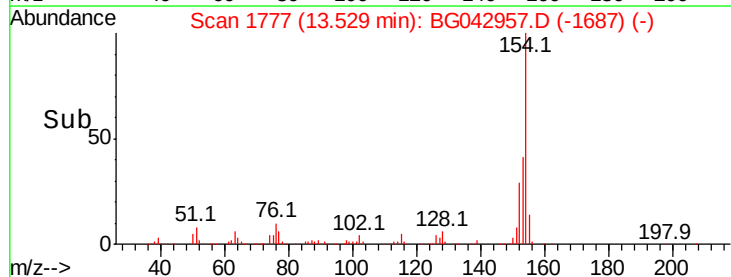
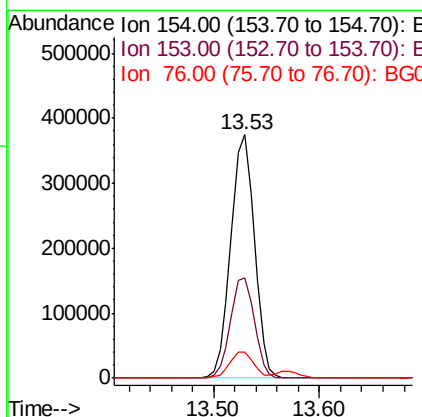
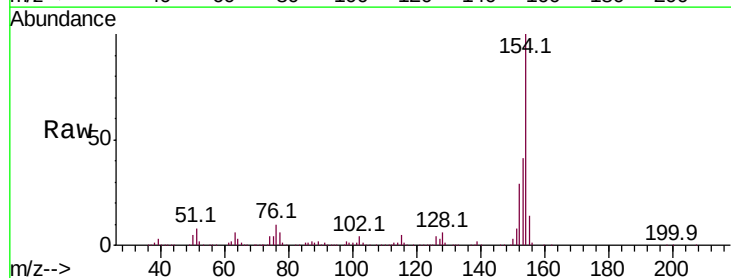
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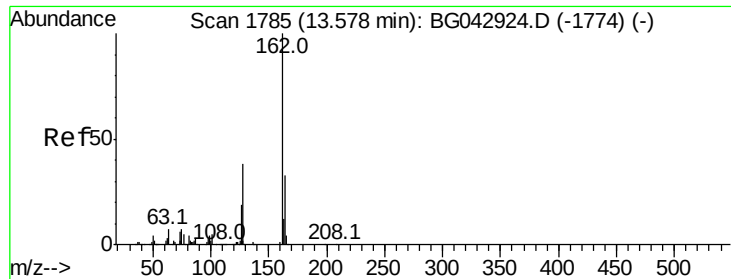
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#46  
1,1'-Biphenyl  
Concen: 42.399 ng  
RT: 13.53 min Scan# 1777  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.0  | 21.4  | 61.4  |
| 76      | 10.5  | 0.0   | 31.3  |





#47

2-Chloronaphthalene

Concen: 43.885 ng

RT: 13.57 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

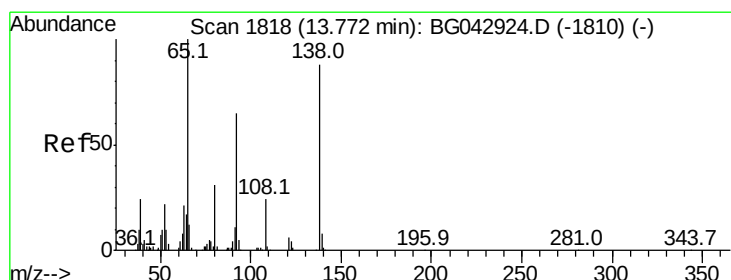
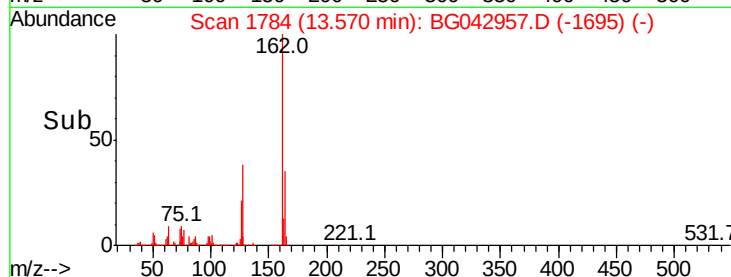
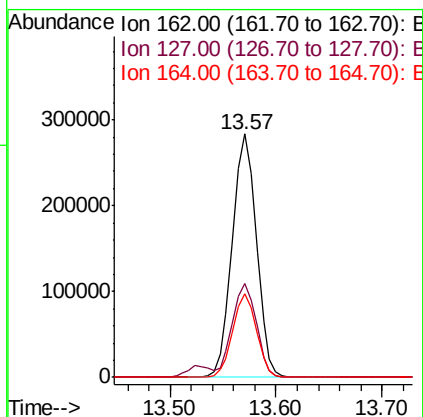
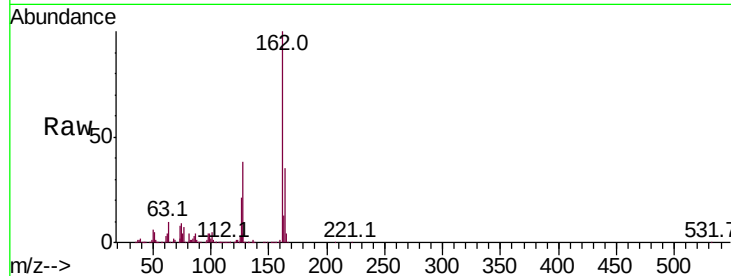
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 449167 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 38.4  | 31.0  | 46.6   |
| 164       | 34.6  | 26.2  | 39.2   |

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#48

2-Nitroaniline

Concen: 48.335 ng

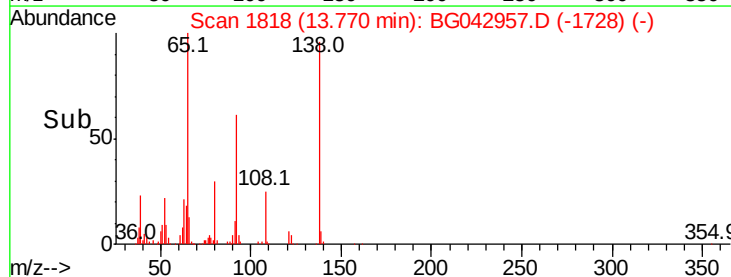
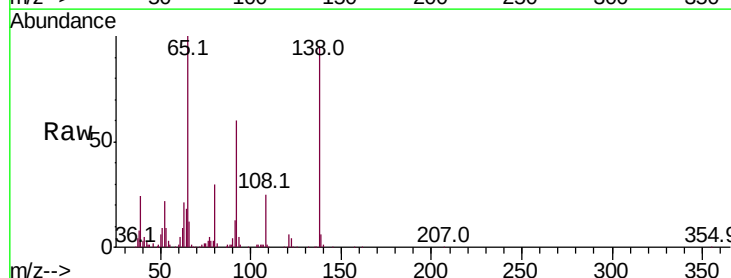
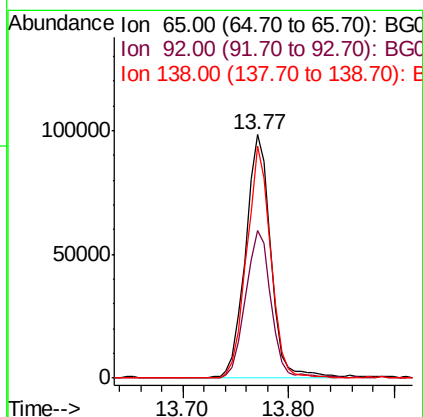
RT: 13.77 min Scan# 1818

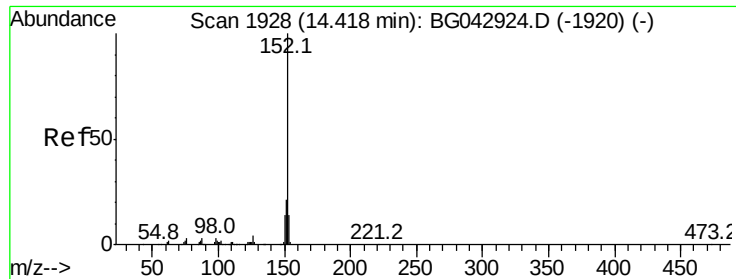
Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 164513 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 60.4  | 52.0  | 78.0   |
| 138       | 95.5  | 70.4  | 105.6  |





#49

Acenaphthylene

Concen: 46.660 ng

RT: 14.42 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

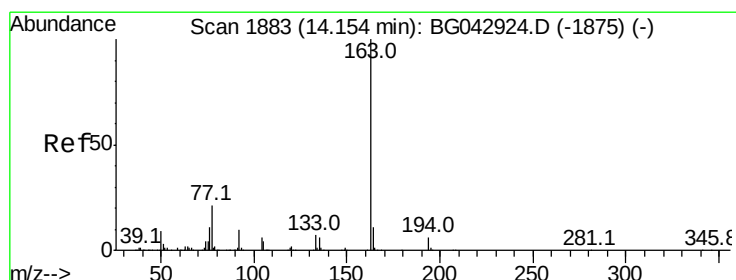
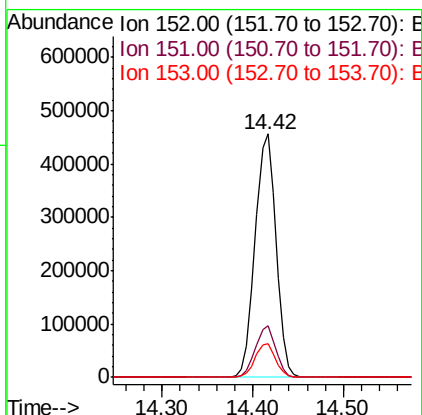
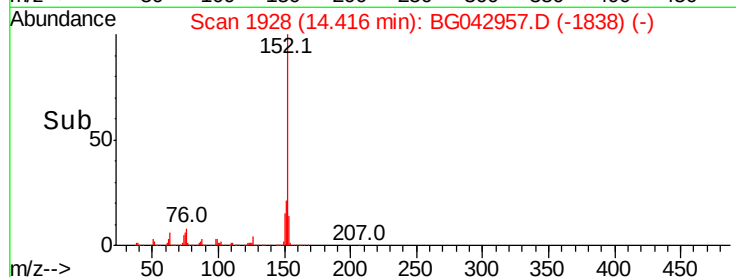
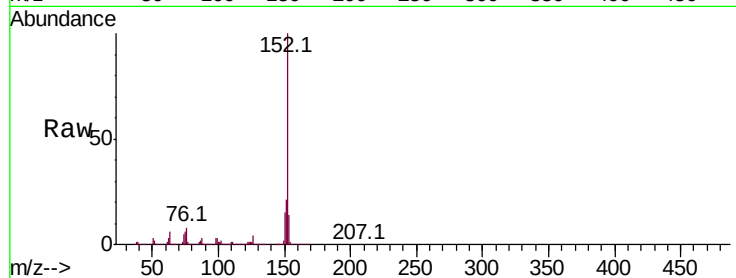
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 730745 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.1  | 16.8  | 25.2   |
| 153       | 13.7  | 11.3  | 16.9   |

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#50

Dimethylphthalate

Concen: 50.498 ng

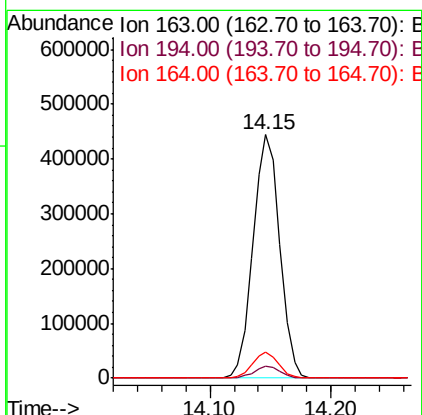
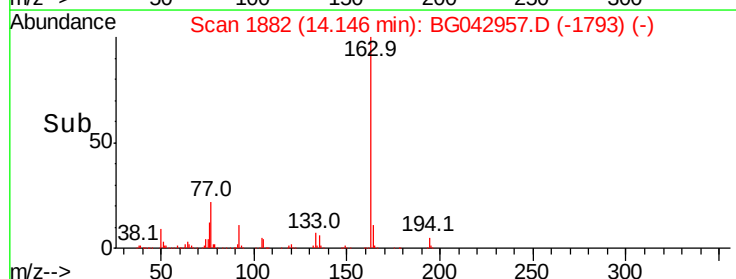
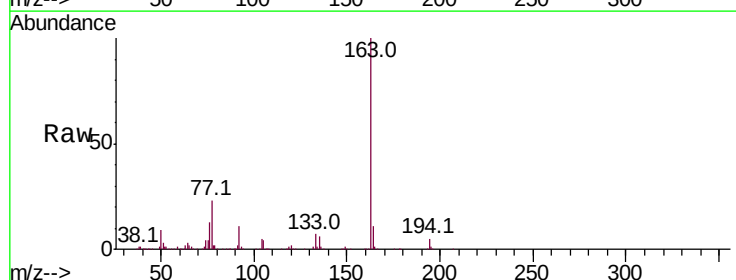
RT: 14.15 min Scan# 1882

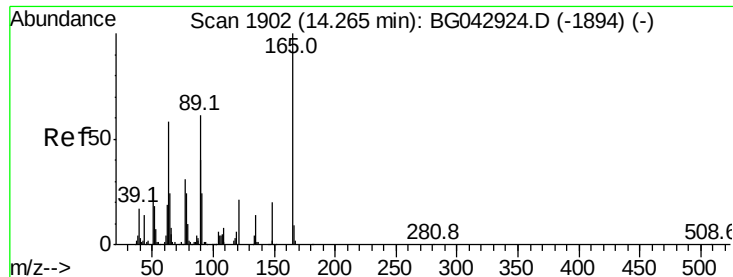
Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 681108 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 5.1   | 4.4   | 6.6    |
| 164       | 10.8  | 8.6   | 12.8   |





#51

2,6-Dinitrotoluene

Concen: 49.794 ng

RT: 14.26 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

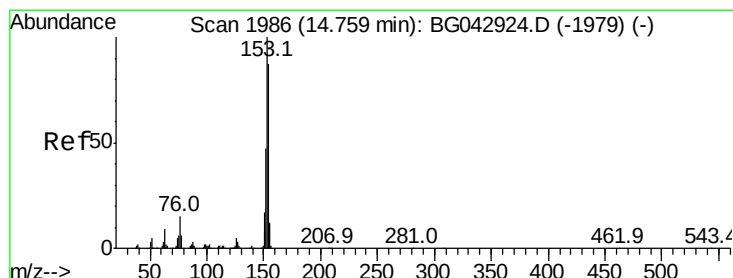
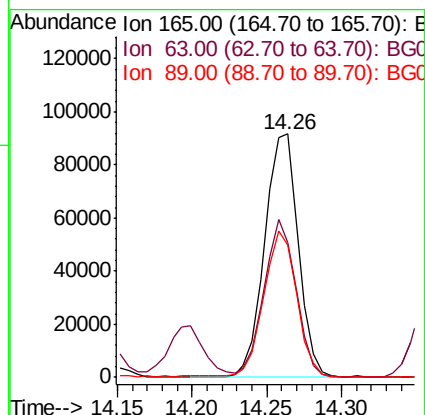
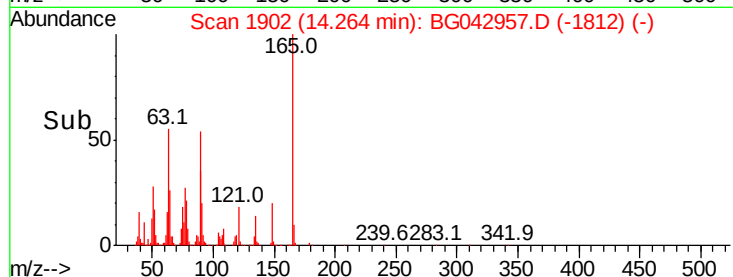
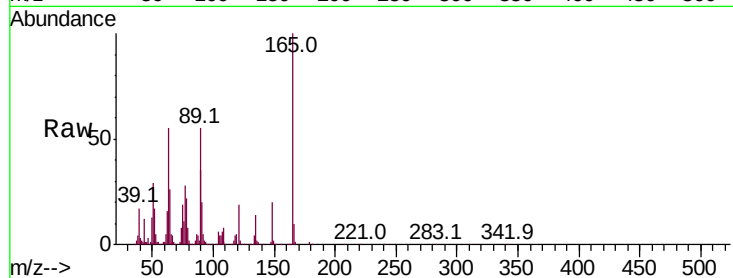
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 143025 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 55.4  | 50.3  | 75.5   |
| 89        | 54.5  | 48.9  | 73.3   |

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#52

Acenaphthene

Concen: 44.254 ng

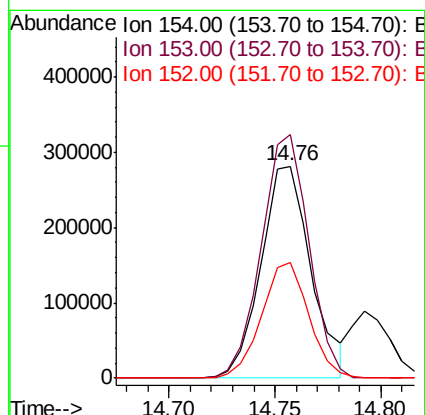
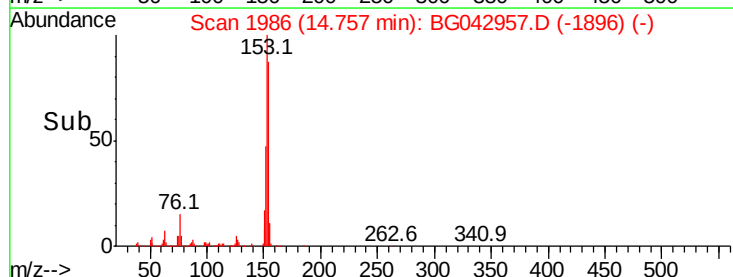
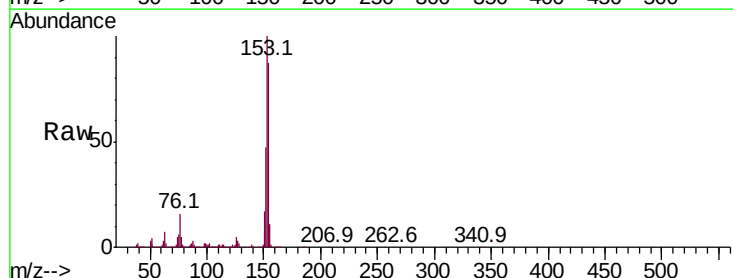
RT: 14.76 min Scan# 1986

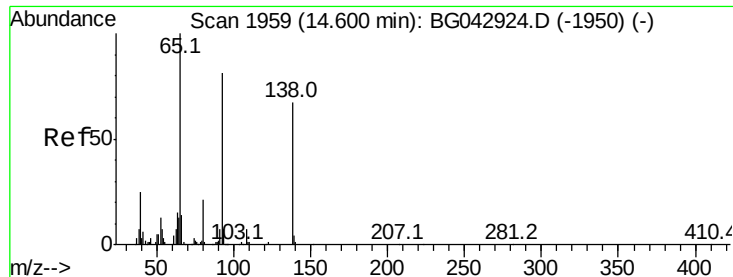
Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 463902 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.0 | 91.4  | 137.0  |
| 152       | 54.6  | 42.8  | 64.2   |





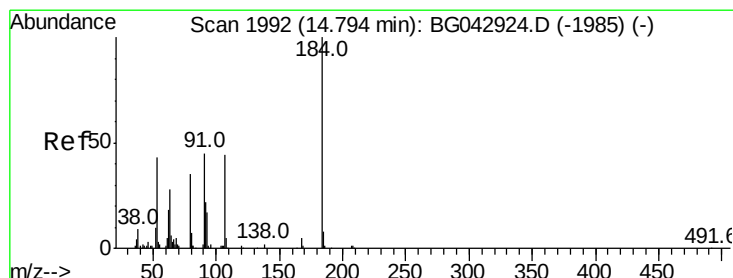
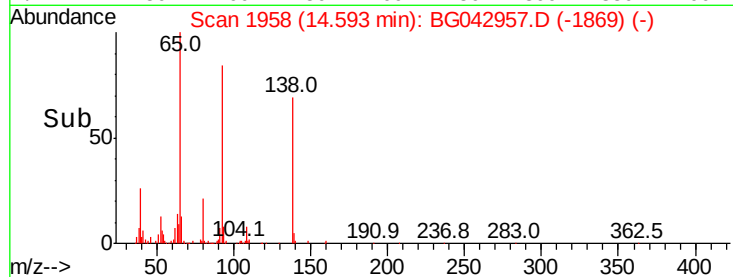
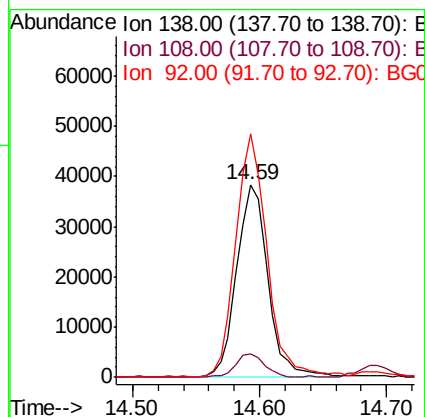
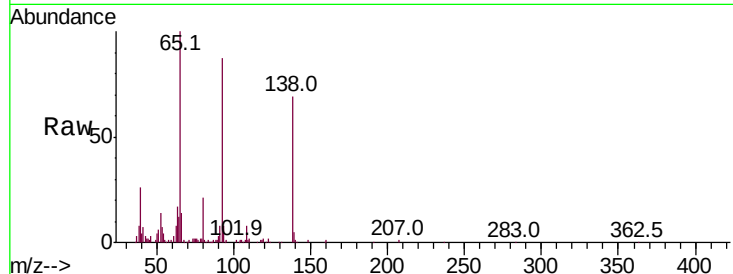
#53  
3-Nitroaniline  
Concen: 22.139 ng  
RT: 14.59 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 12.0  | 7.9   | 11.9# |
| 92      | 126.4 | 97.0  | 145.6 |

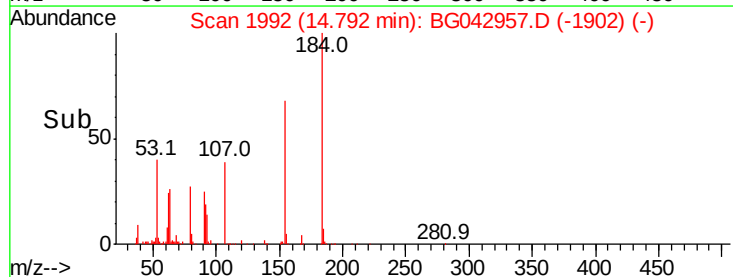
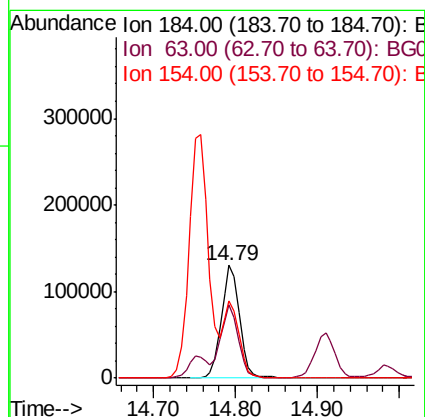
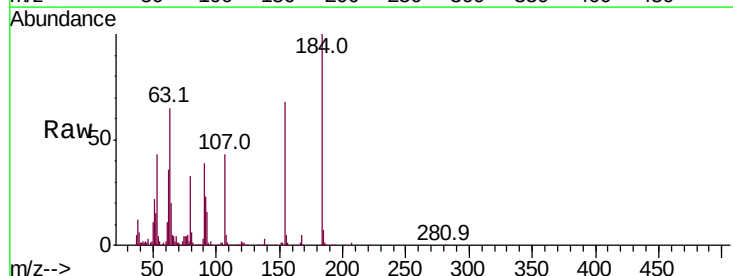
Manual Integrations  
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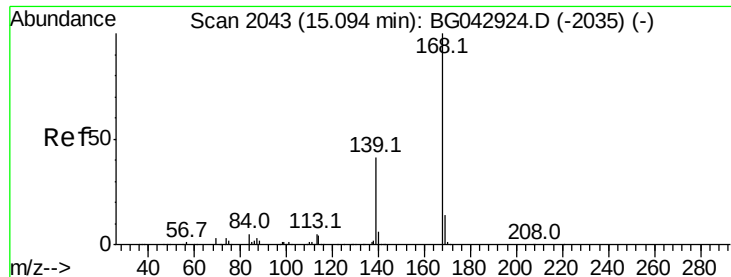
mohammad  
10/2/2019 8:33:23 AM



#54  
2,4-Dinitrophenol  
Concen: 112.979 ng  
RT: 14.79 min Scan# 1992  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 65.4  | 55.0  | 82.6  |
| 154     | 68.2  | 56.5  | 84.7  |





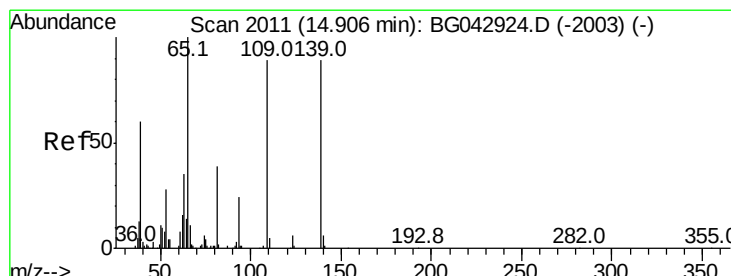
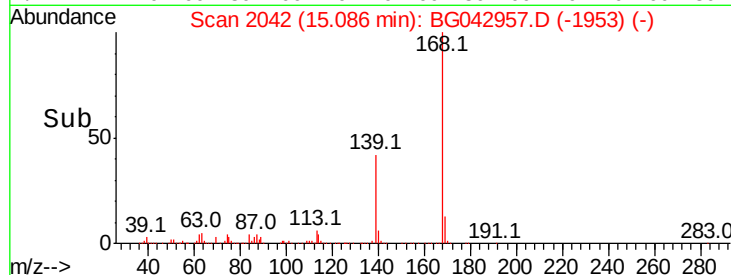
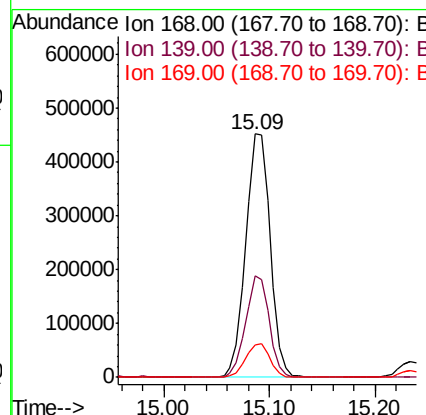
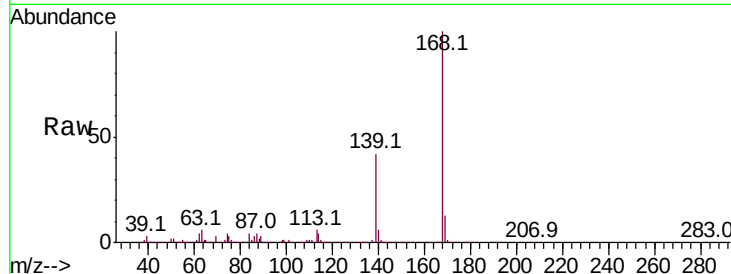
#55  
Dibenzofuran  
Concen: 46.839 ng  
RT: 15.09 min Scan# 2042  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 41.9  | 32.6 | 48.8  |       |
| 169     | 13.2  | 11.2 | 16.8  |       |

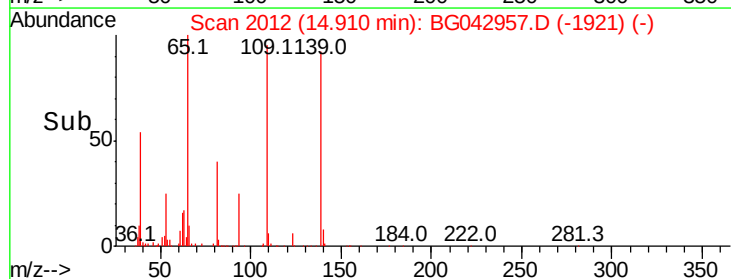
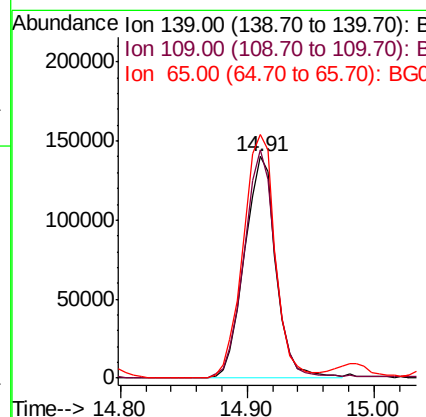
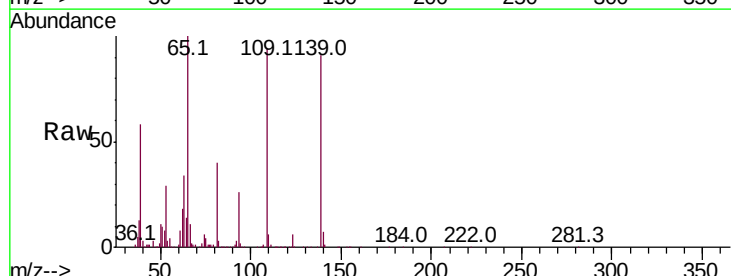
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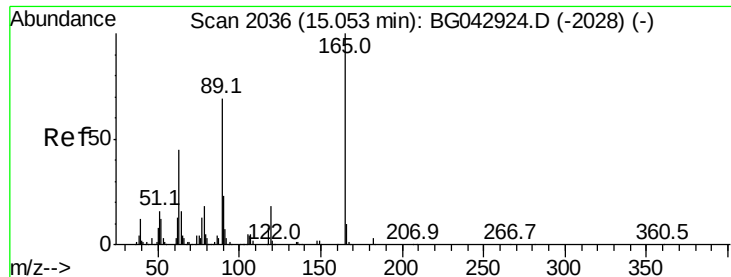


#56  
4-Nitrophenol  
Concen: 107.021 ng  
RT: 14.91 min Scan# 2012  
Delta R.T. 0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 103.1 | 79.4 | 119.4 |       |
| 65      | 109.9 | 92.5 | 132.5 |       |







#57

2,4-Dinitrotoluene

Concen: 48.687 ng

RT: 15.05 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

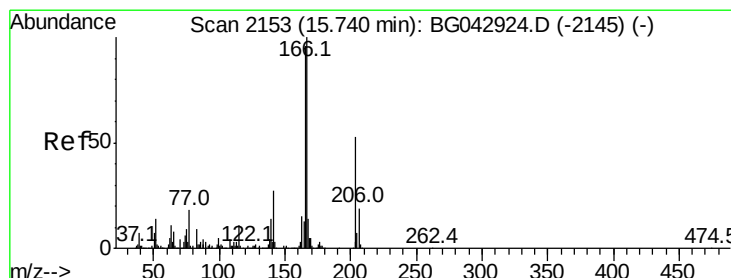
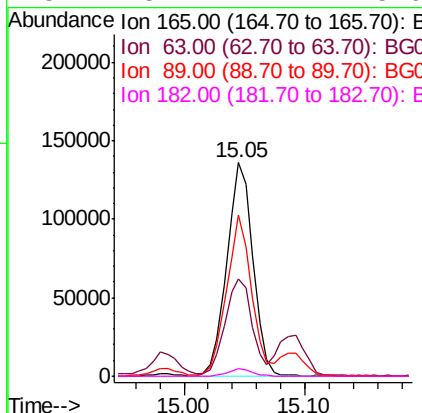
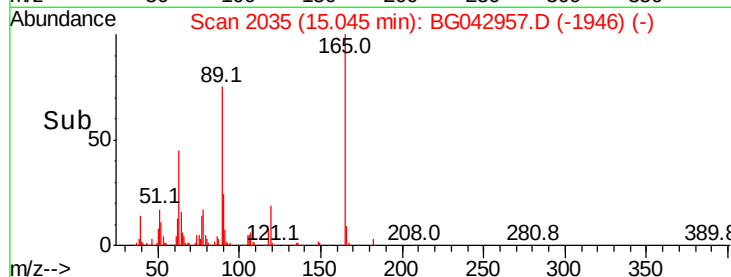
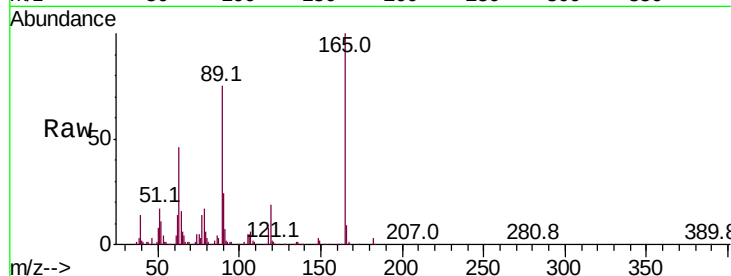
ClientSampleId :

PAT-091019-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 204791 |       |       |
| 63      | 45.6  | 36.5   | 54.7  |       |
| 89      | 75.3  | 55.5   | 83.3  |       |
| 182     | 3.4   | 2.4    | 3.6   |       |

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#58

Fluorene

Concen: 47.205 ng

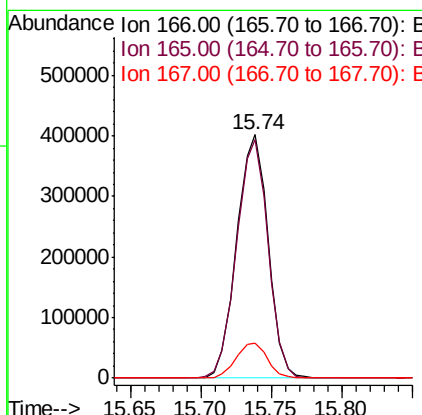
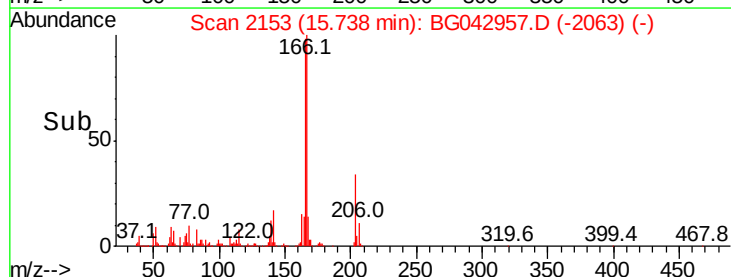
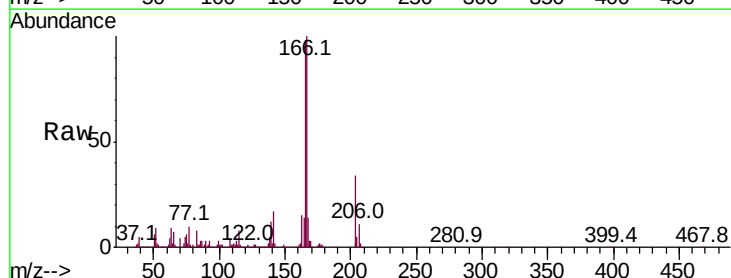
RT: 15.74 min Scan# 2153

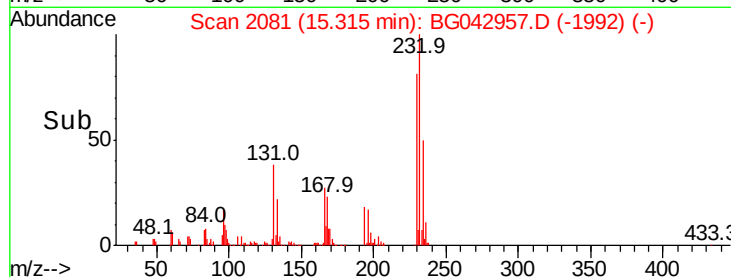
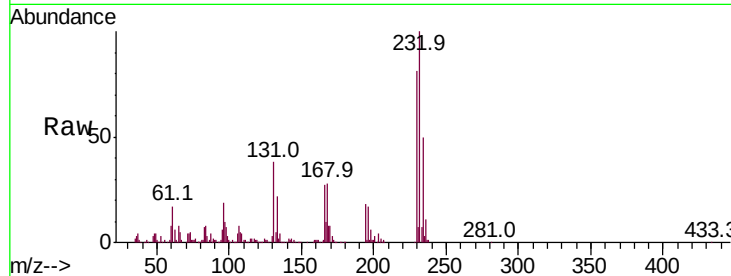
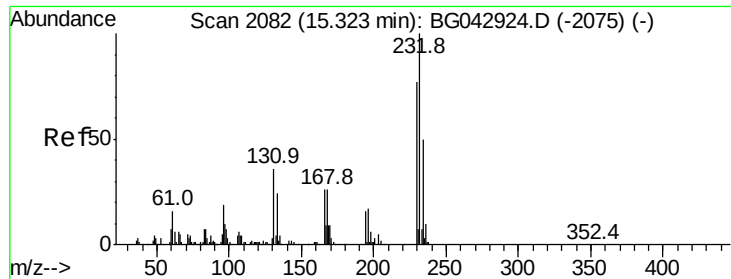
Delta R.T. -0.00 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 624961 |       |       |
| 165     | 98.0  | 77.1   | 115.7 |       |
| 167     | 14.1  | 11.0   | 16.6  |       |





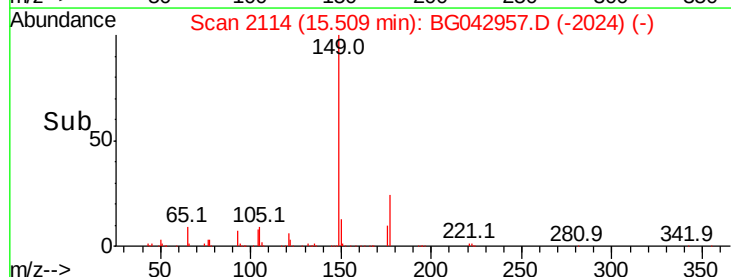
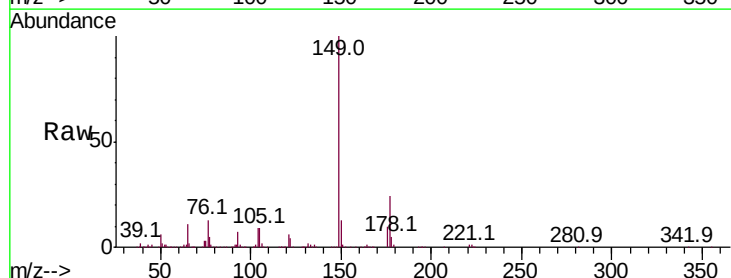
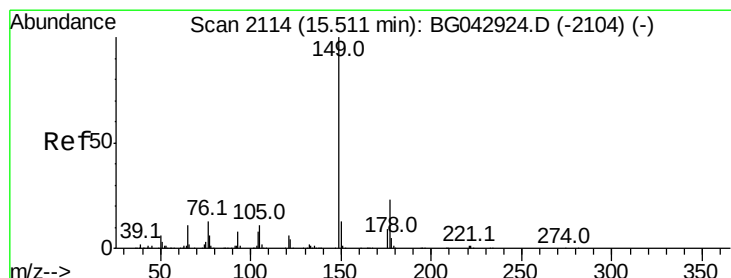
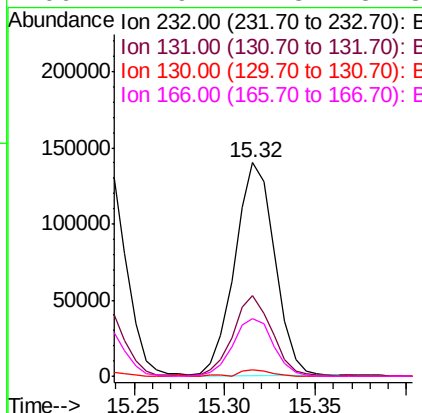
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.157 ng  
 RT: 15.32 min Scan# 2081  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-091019-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 213601 |       |       |
| 131     | 36.9  | 29.6   | 44.4  |       |
| 130     | 2.4   | 1.9    | 2.9   |       |
| 166     | 27.9  | 21.8   | 32.8  |       |

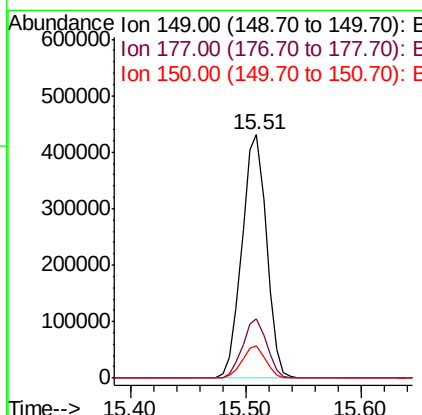
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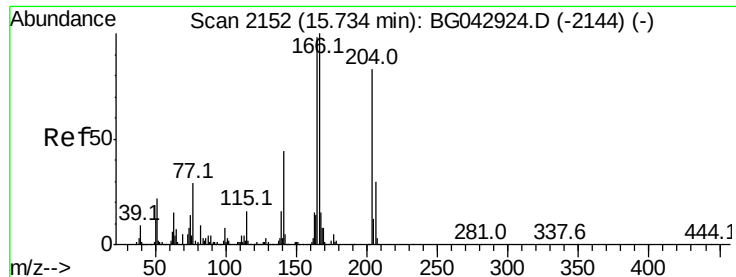
mohammad  
 10/2/2019 8:33:23 AM



#60  
 Diethylphthalate  
 Concen: 46.147 ng  
 RT: 15.51 min Scan# 2114  
 Delta R.T. -0.00 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 633440 |       |       |
| 177     | 24.4  | 18.8   | 28.2  |       |
| 150     | 13.1  | 10.6   | 15.8  |       |





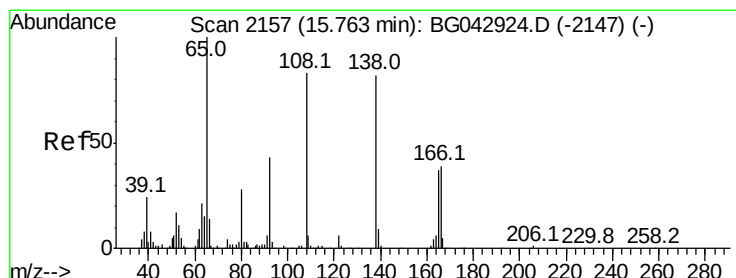
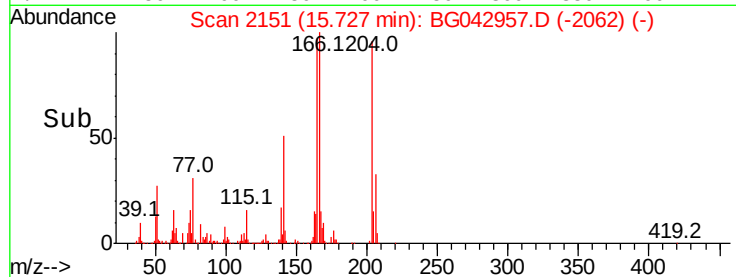
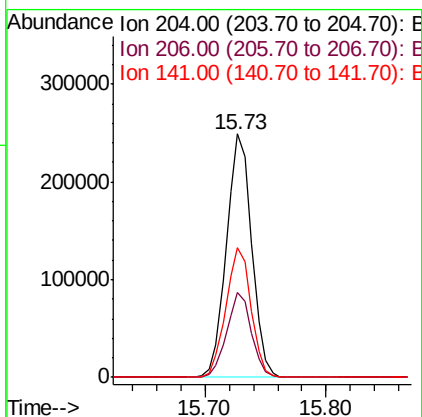
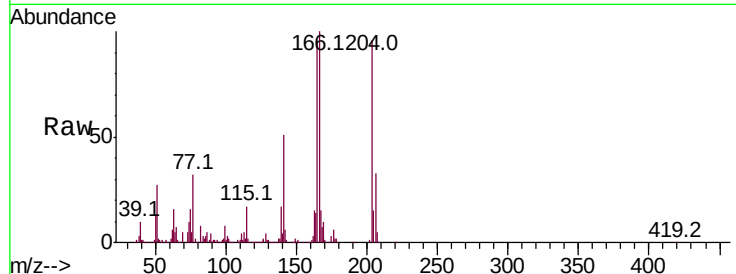
#61  
4-Chlorophenyl-phenylether  
Concen: 45.448 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 360861 |       |       |
| 206     | 34.8  | 28.5   | 42.7  |       |
| 141     | 53.1  | 42.4   | 63.6  |       |

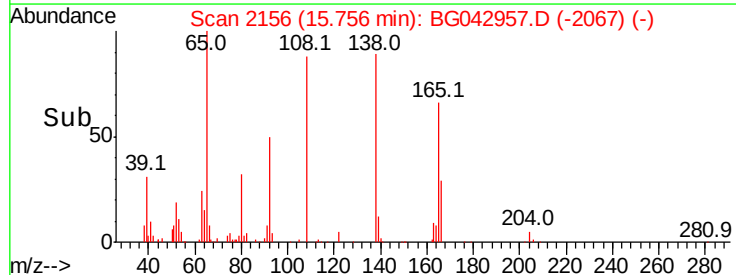
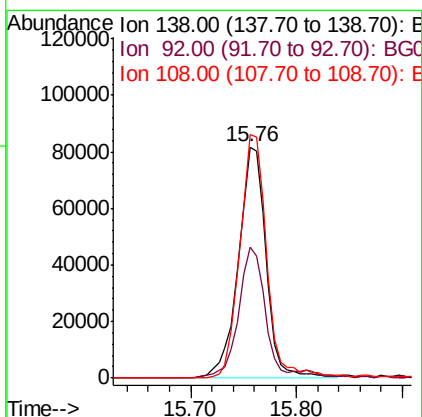
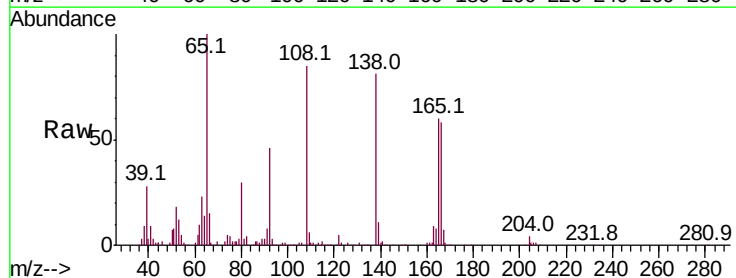
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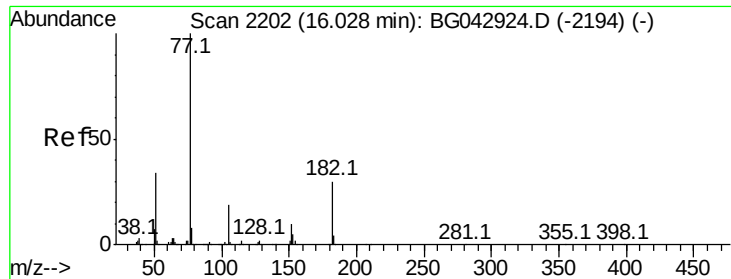
mohammad  
10/2/2019 8:33:23 AM



#62  
4-Nitroaniline  
Concen: 45.982 ng  
RT: 15.76 min Scan# 2156  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 148862 |       |       |
| 92      | 56.8  | 32.9   | 72.9  |       |
| 108     | 105.3 | 81.3   | 121.3 |       |





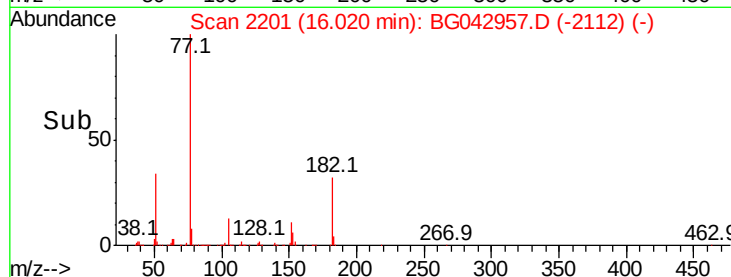
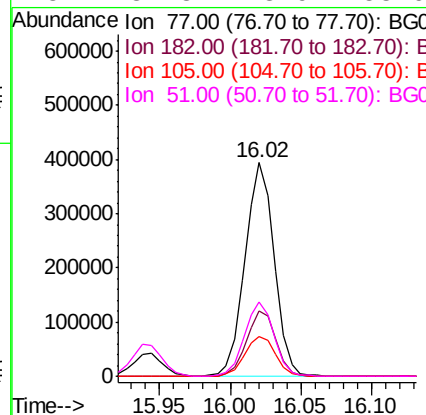
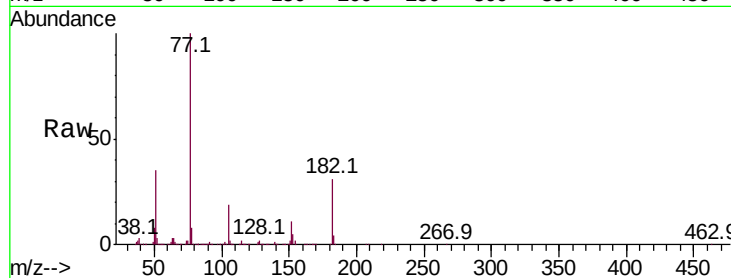
#63  
Azobenzene  
Concen: 45.427 ng  
RT: 16.02 min Scan# 2201  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 30.7 | 10.2  | 50.2  |       |
| 105     | 18.6 | 0.0   | 39.1  |       |
| 51      | 34.8 | 13.9  | 53.9  |       |

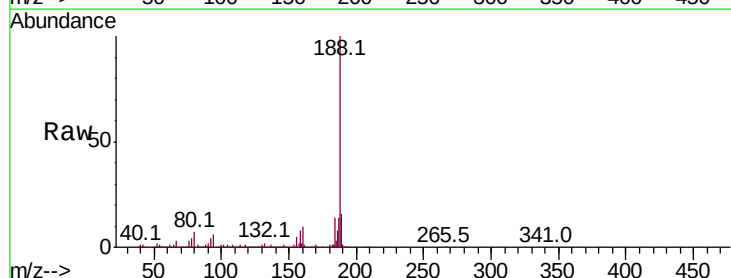
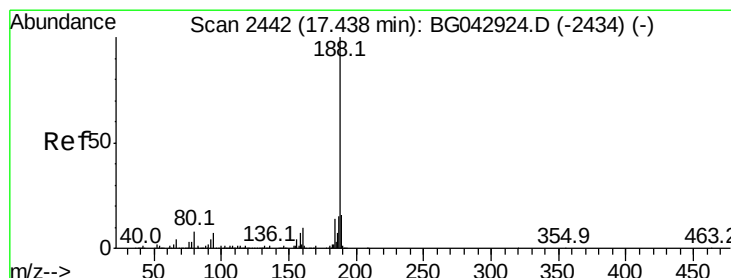
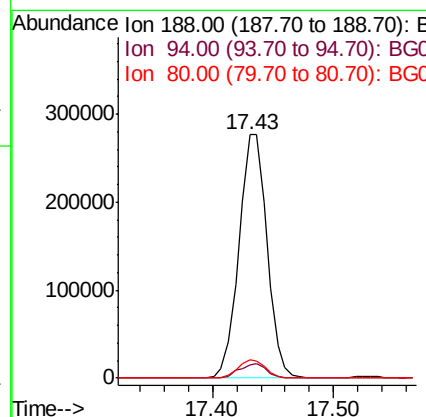
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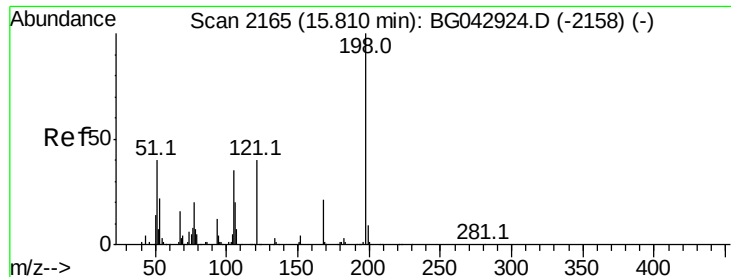
mohammad  
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2441  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 100 |       |       |       |
| 94      | 5.7 | 5.7   | 8.5#  |       |
| 80      | 7.4 | 6.5   | 9.7   |       |





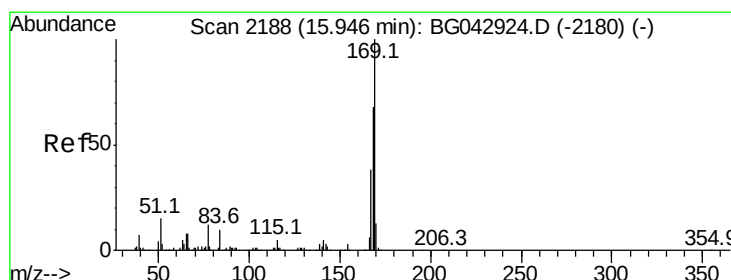
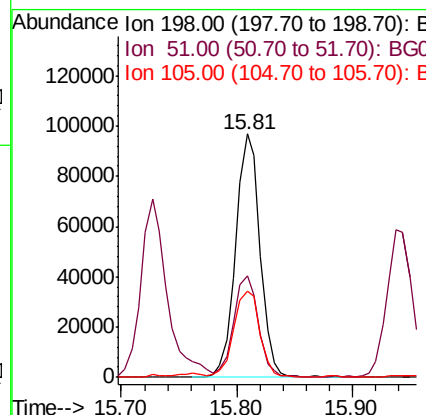
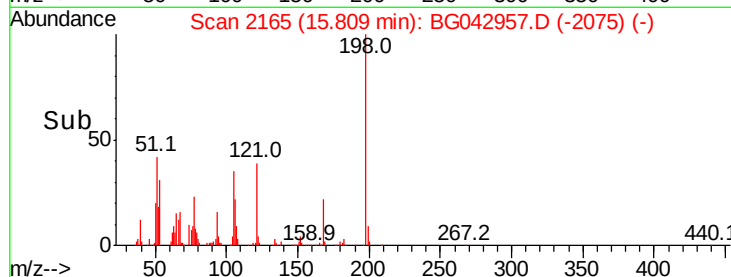
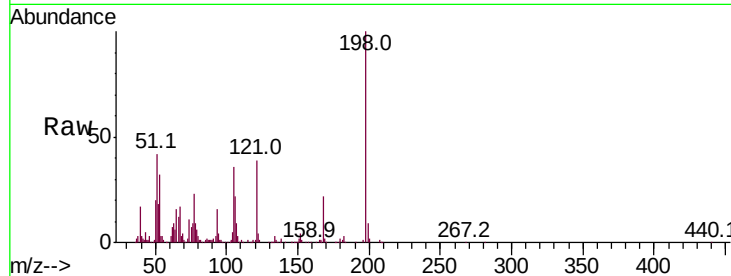
#65  
4,6-Dinitro-2-methylphenol  
Concen: 55.505 ng  
RT: 15.81 min Scan# 2165  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 41.9  | 25.3 | 65.3  |       |
| 105     | 35.6  | 16.6 | 56.6  |       |

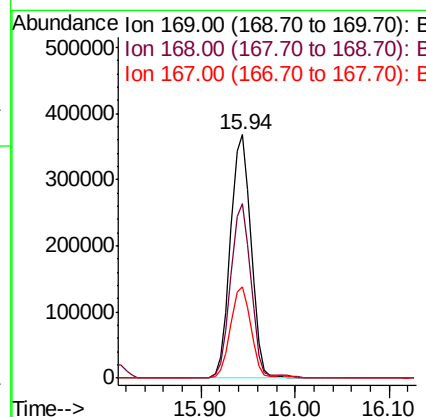
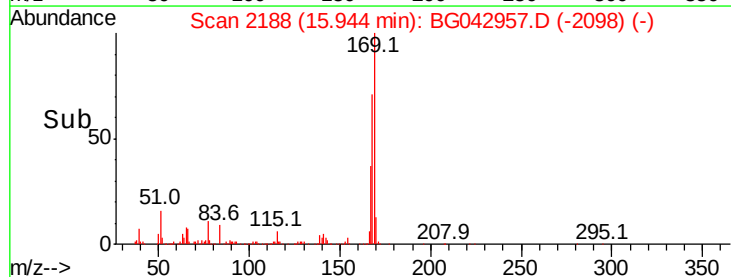
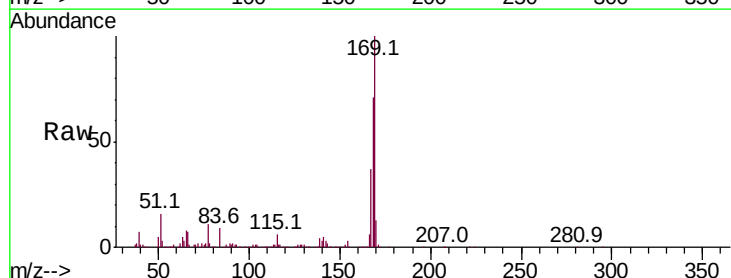
Manual Integrations  
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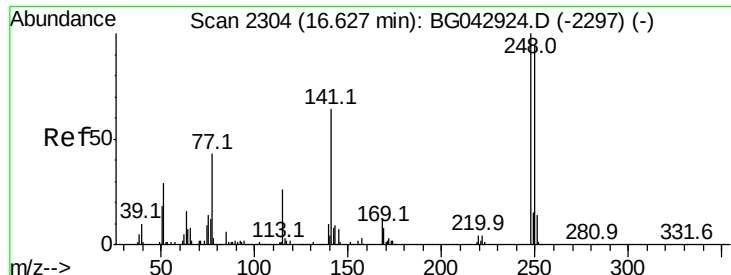
mohammad  
10/2/2019 8:33:23 AM



#66  
n-Nitrosodiphenylamine  
Concen: 47.186 ng  
RT: 15.94 min Scan# 2188  
Delta R.T. -0.00 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 71.4  | 54.8 | 82.2  |       |
| 167     | 37.4  | 30.6 | 46.0  |       |





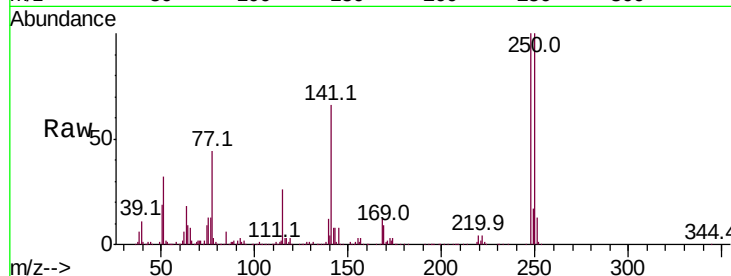
#67  
4-Bromophenyl-phenylether  
Concen: 45.697 ng  
RT: 16.62 min Scan# 2303  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 100.4 | 75.8  | 113.8 |
| 141     | 66.2  | 51.1  | 76.7  |

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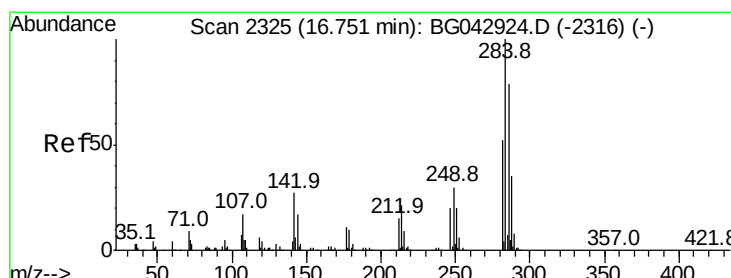
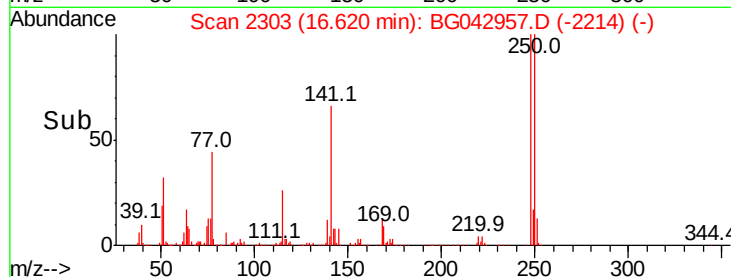
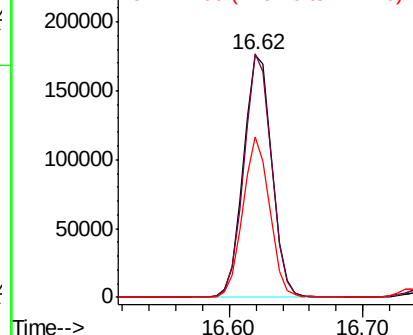


Abundance

Ion 248.00 (247.70 to 248.70): E

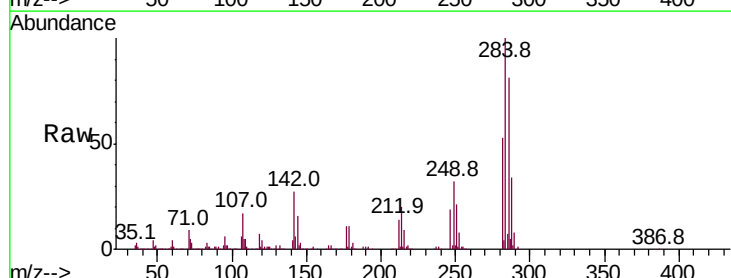
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 44.402 ng  
RT: 16.74 min Scan# 2324  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 27.1  | 21.6  | 32.4  |
| 249     | 32.4  | 24.1  | 36.1  |

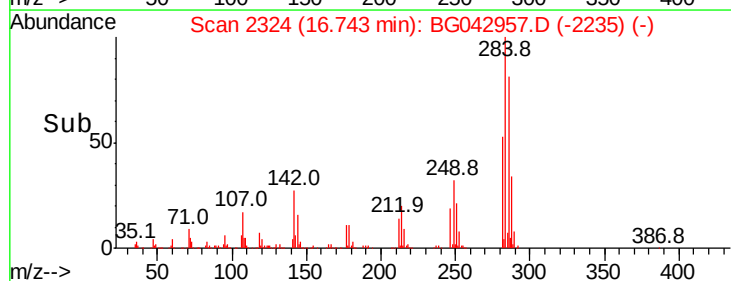
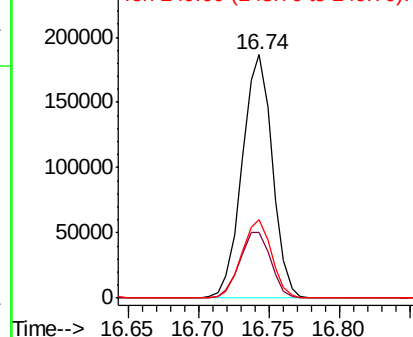


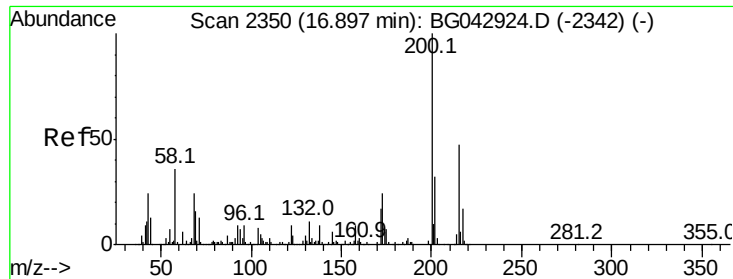
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





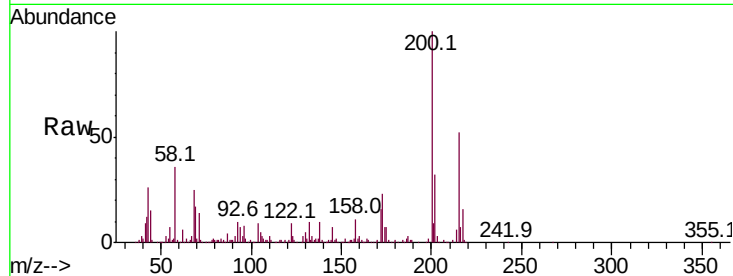
#69  
Atrazine  
Concen: 44.094 ng  
RT: 16.89 min Scan# 2349  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 23.1  | 4.0        | 44.0  |
| 215     | 52.4  | 27.4       | 67.4  |

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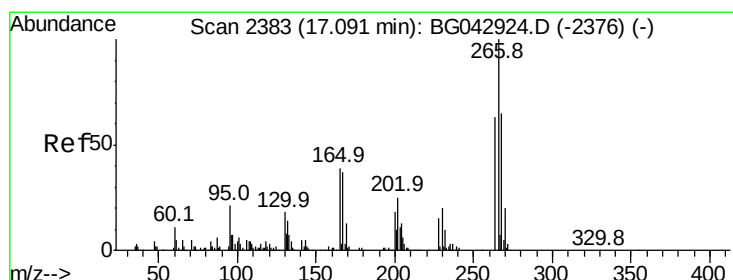
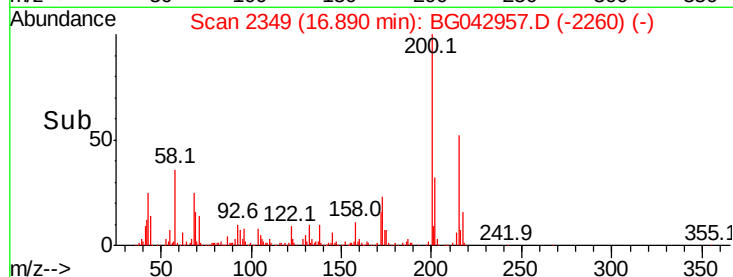
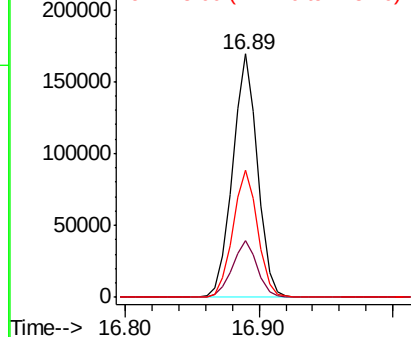


Abundance

Ion 200.00 (199.70 to 200.70): E

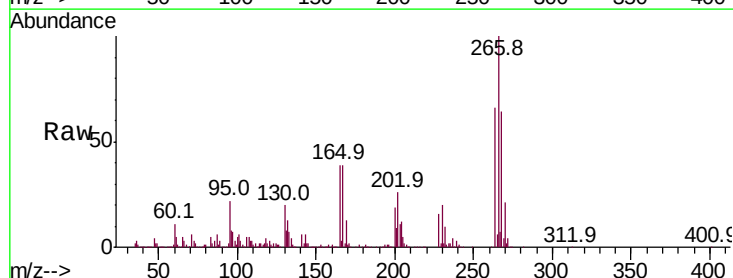
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
Pentachlorophenol  
Concen: 106.802 ng  
RT: 17.08 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.2  | 52.2       | 78.2  |
| 264     | 65.7  | 50.7       | 76.1  |

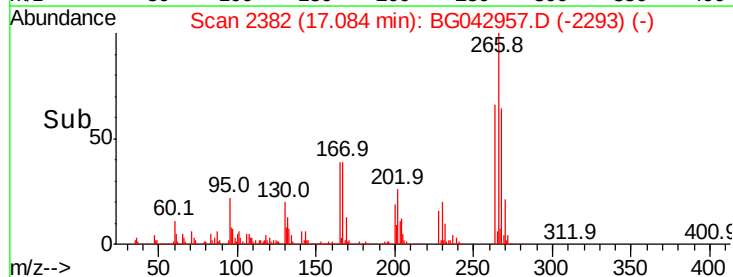
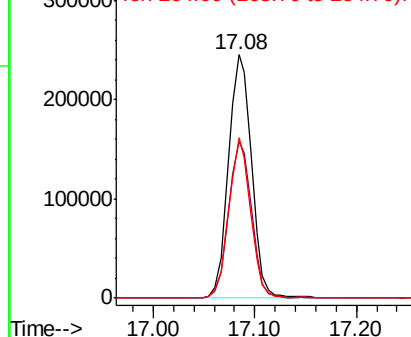


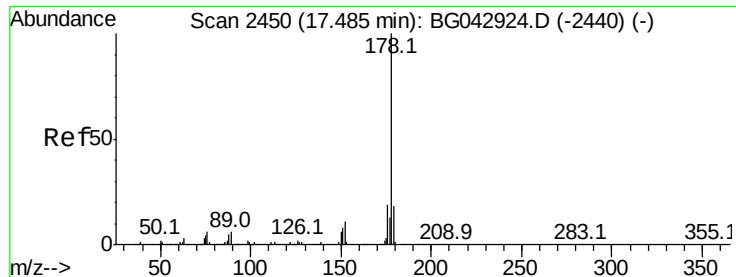
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





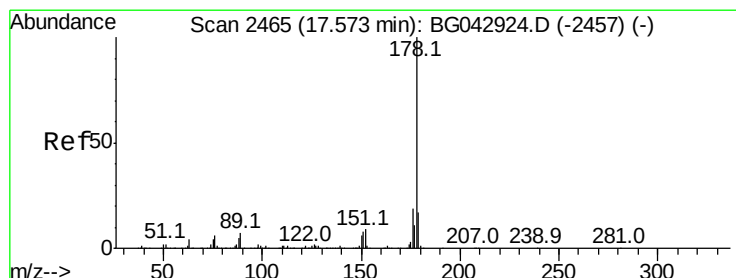
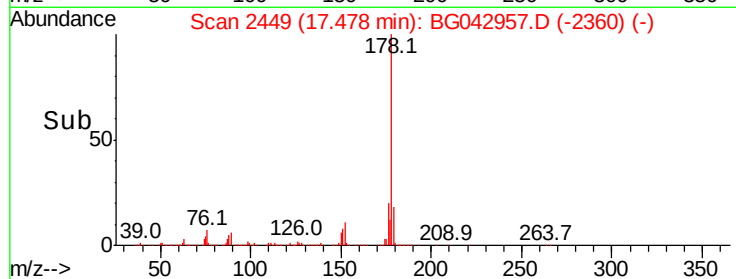
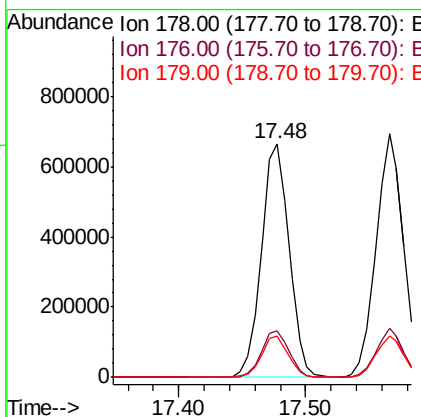
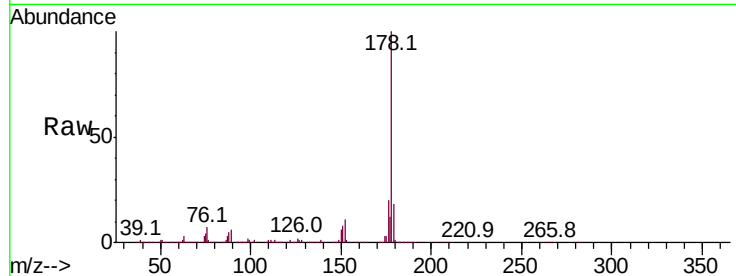
#71  
 Phenanthrene  
 Concen: 46.228 ng  
 RT: 17.48 min Scan# 2449  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 15.1  | 22.7  |
| 179     | 17.6  | 14.1  | 21.1  |

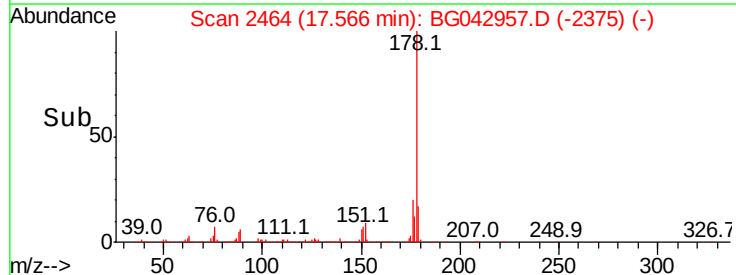
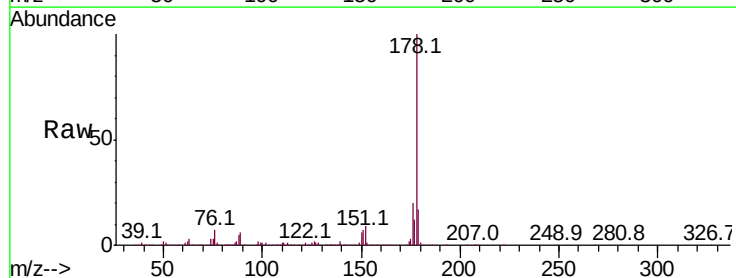
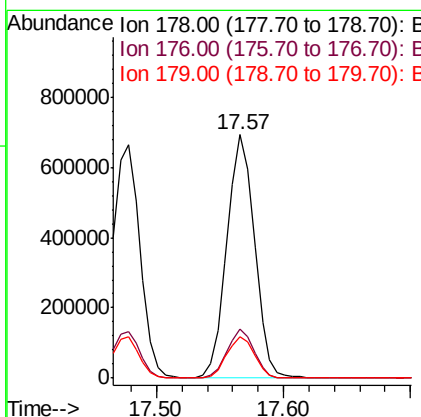
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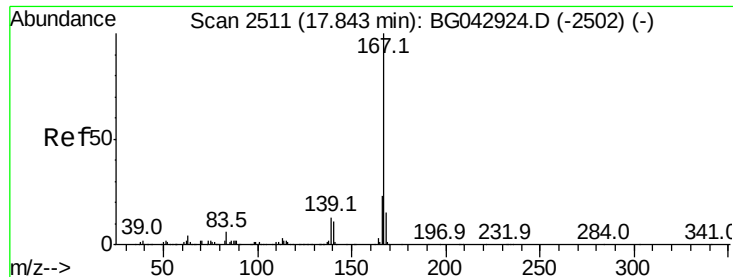


#72  
 Anthracene  
 Concen: 47.602 ng  
 RT: 17.57 min Scan# 2464  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 15.5  | 23.3  |
| 179     | 16.8  | 13.5  | 20.3  |







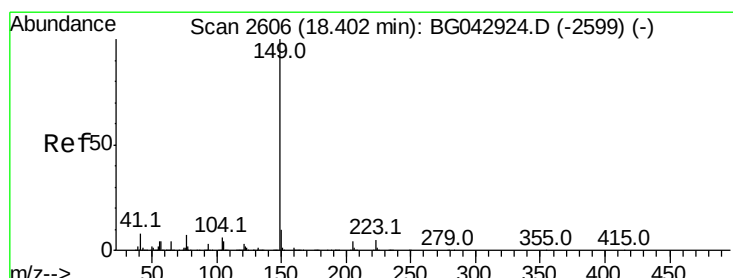
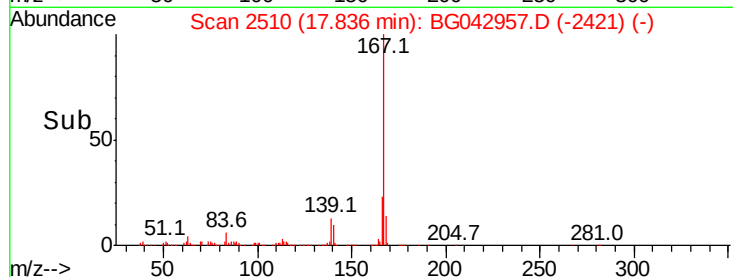
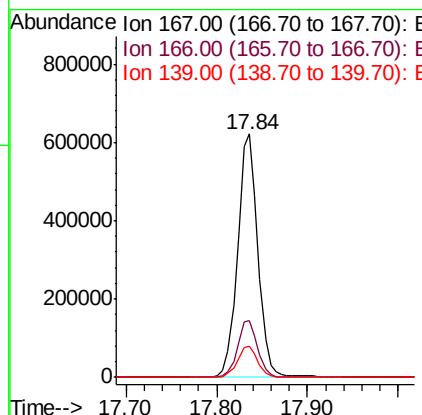
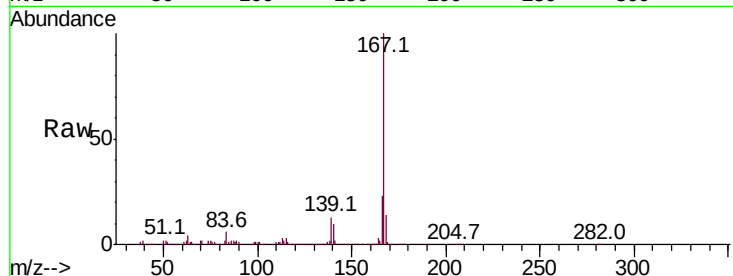
#73  
 Carbazole  
 Concen: 47.668 ng  
 RT: 17.84 min Scan# 2510  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.0  | 18.6  | 28.0  |
| 139     | 12.8  | 10.8  | 16.2  |

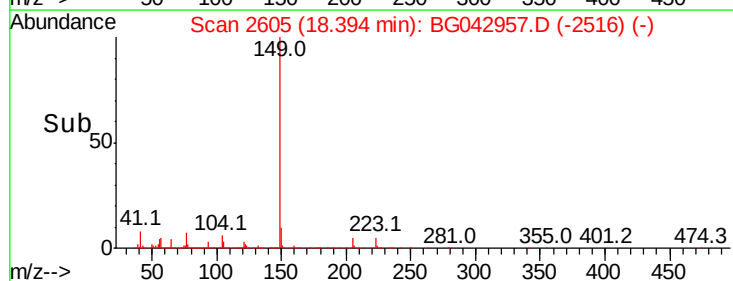
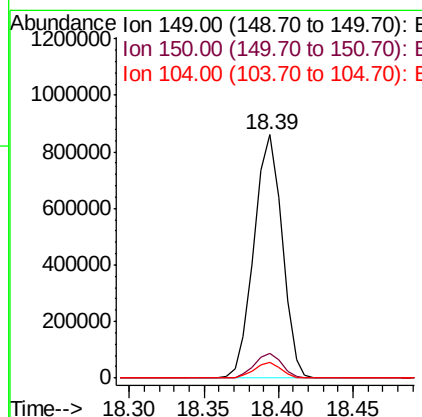
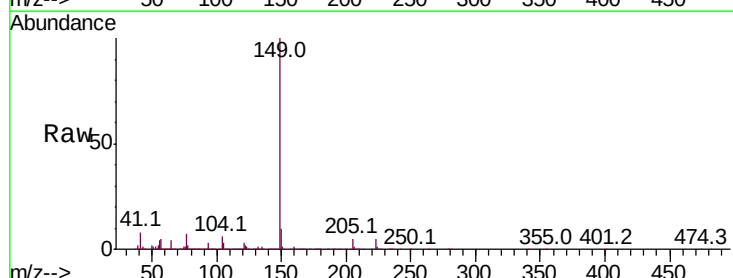
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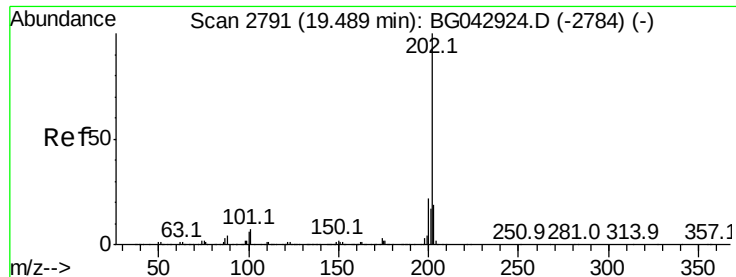
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#74  
 Di-n-butylphthalate  
 Concen: 46.153 ng  
 RT: 18.39 min Scan# 2605  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.2  | 7.7   | 11.5  |
| 104     | 6.5   | 5.0   | 7.6   |





#75

Fluoranthene

Concen: 47.155 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

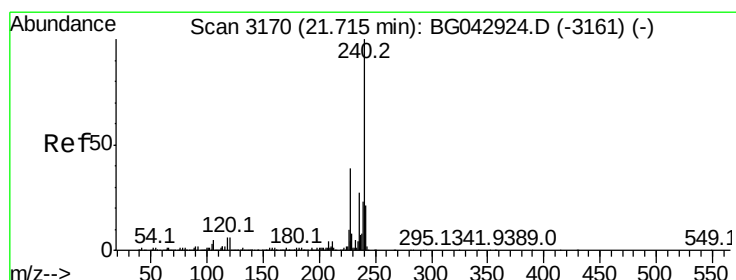
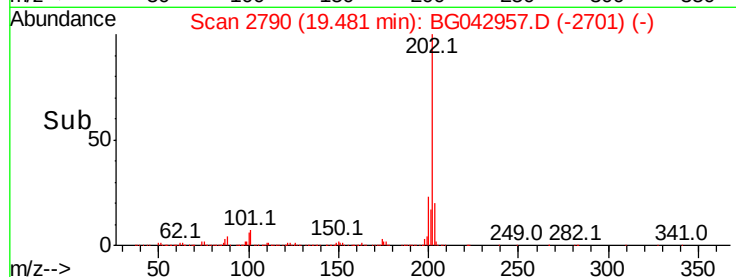
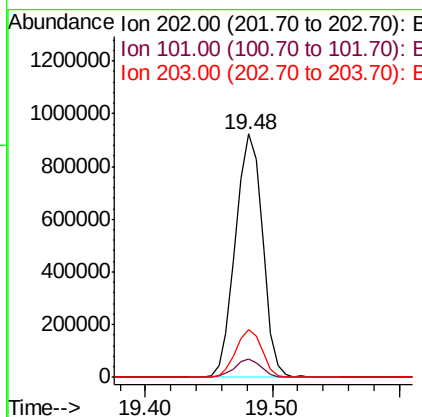
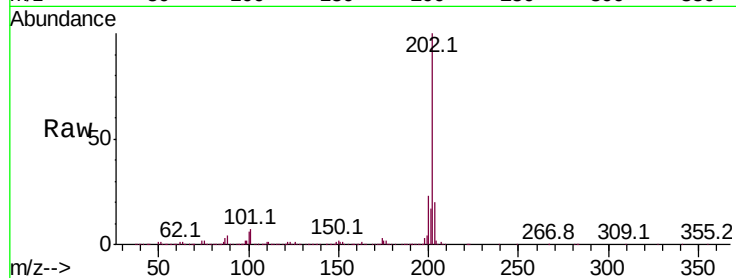
ClientSampleId :

PAT-091019-BMS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1368379 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 7.3   | 0.0   | 27.3    |
| 203       | 19.8  | 0.0   | 39.5    |

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#76

Chrysene-d12

Concen: 20.000 ng

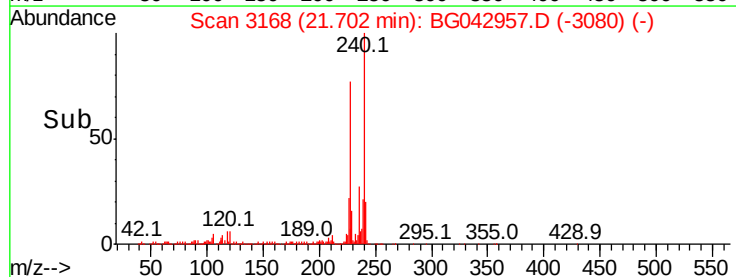
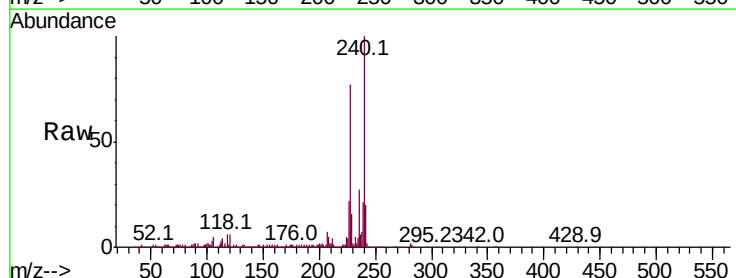
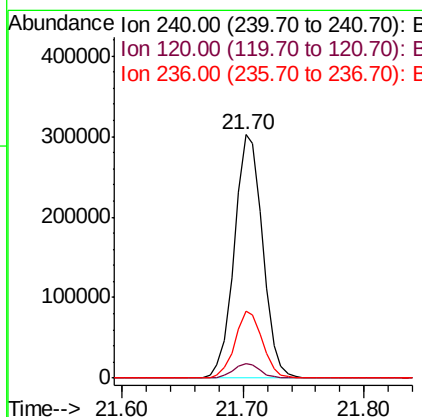
RT: 21.70 min Scan# 3168

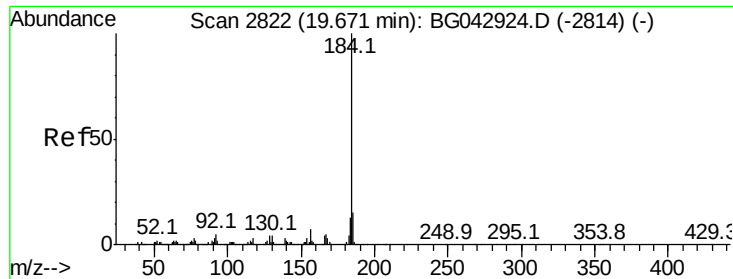
Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 493895 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 6.1   | 4.8   | 7.2    |
| 236       | 27.4  | 21.4  | 32.0   |





#77

Benzidine

Concen: 27.573 ng

RT: 19.66 min Scan# 2821

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

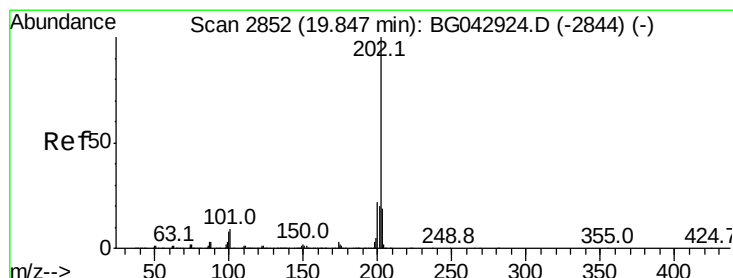
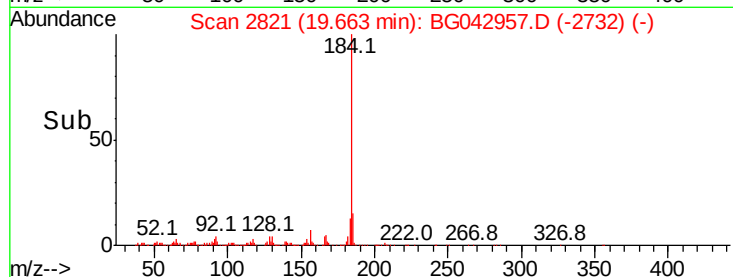
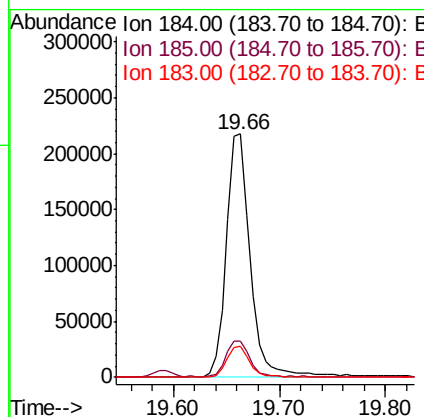
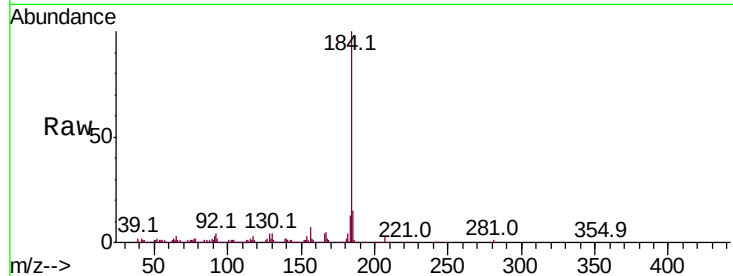
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 340986 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 11.8  | 17.8   |
| 183       | 13.0  | 10.1  | 15.1   |

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#78

Pyrene

Concen: 47.341 ng

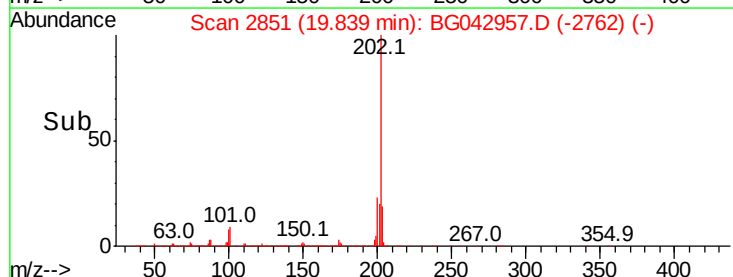
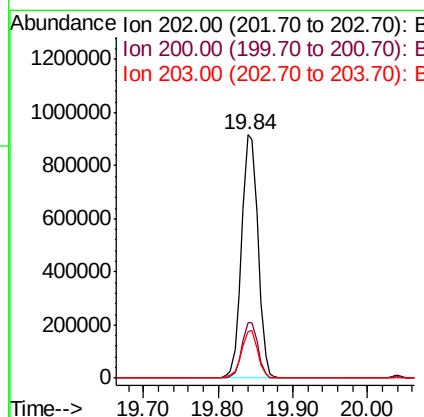
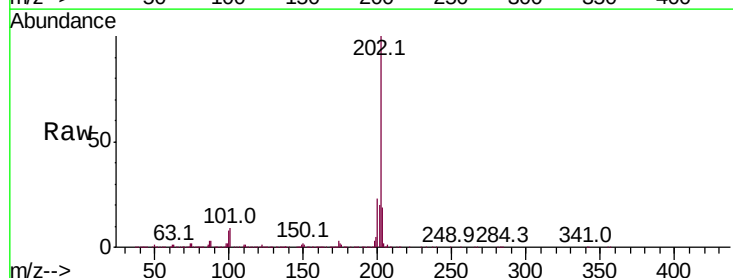
RT: 19.84 min Scan# 2851

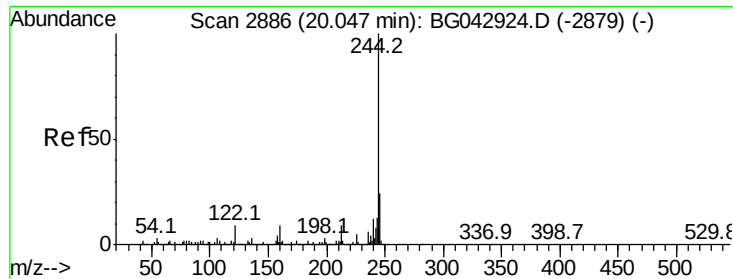
Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1395556 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.6  | 17.6  | 26.4    |
| 203       | 19.3  | 15.2  | 22.8    |





#79

Terphenyl-d14

Concen: 94.841 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

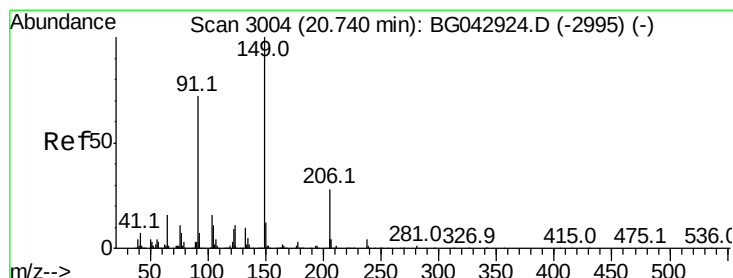
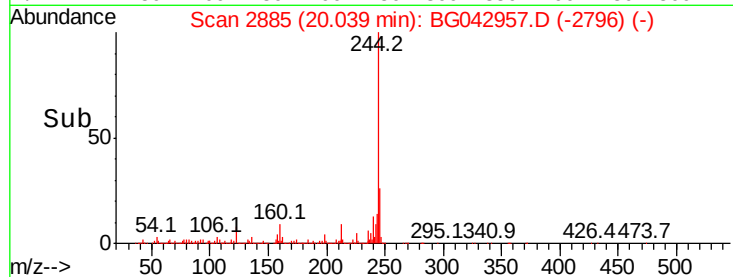
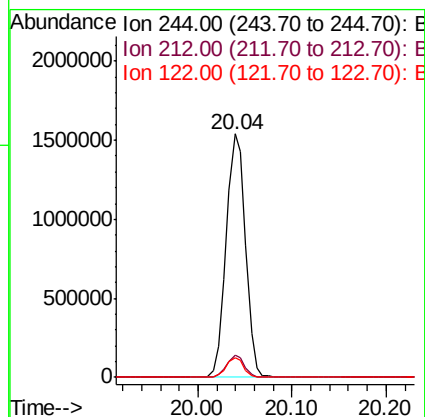
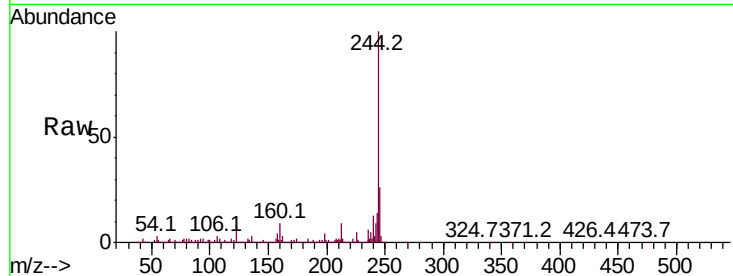
ClientSampleId :

PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.0   | 7.4   | 11.0  |
| 122     | 8.3   | 7.0   | 10.4  |

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#80

Butylbenzylphthalate

Concen: 47.875 ng

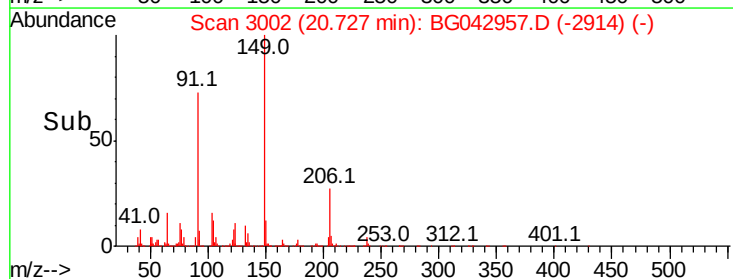
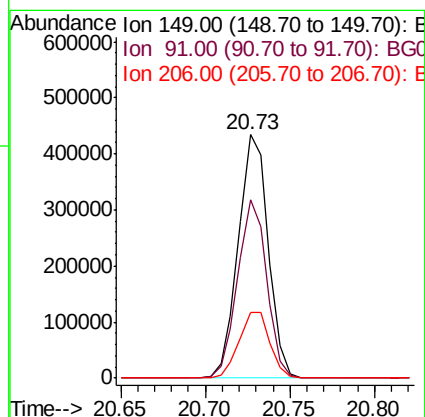
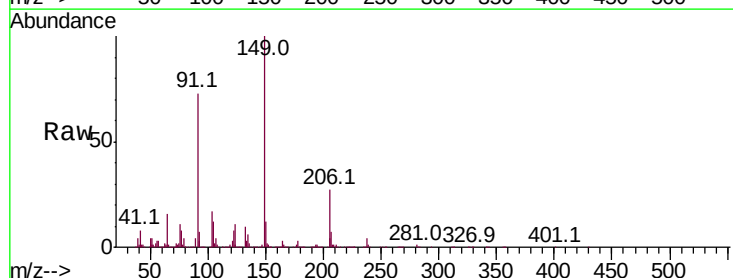
RT: 20.73 min Scan# 3002

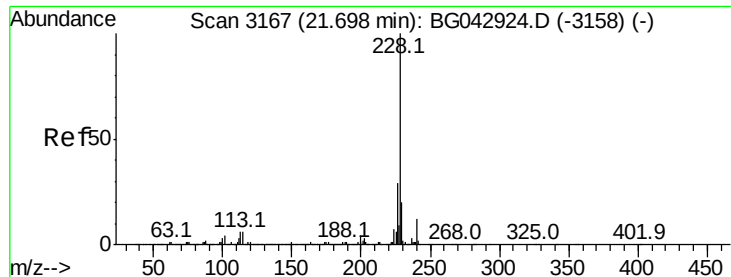
Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 73.0  | 57.7  | 86.5  |
| 206     | 26.7  | 22.6  | 33.8  |





#81

Benzo(a)anthracene

Concen: 46.552 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

ClientSampleId :

PAT-091019-BMS

Tot Ion:228 Resp: 1432597

Ion Ratio Lower Upper

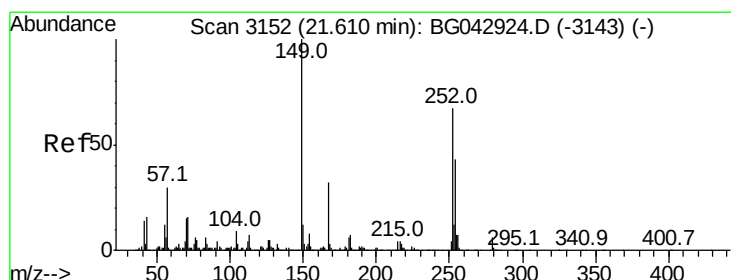
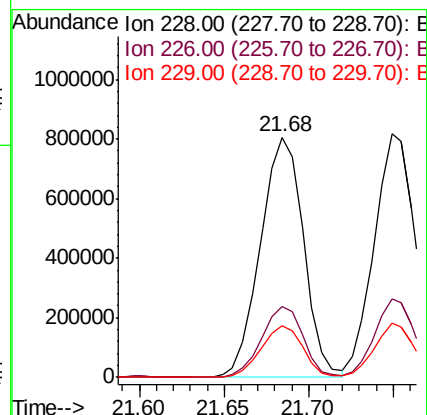
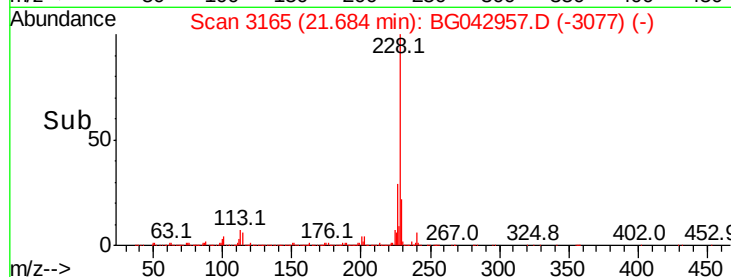
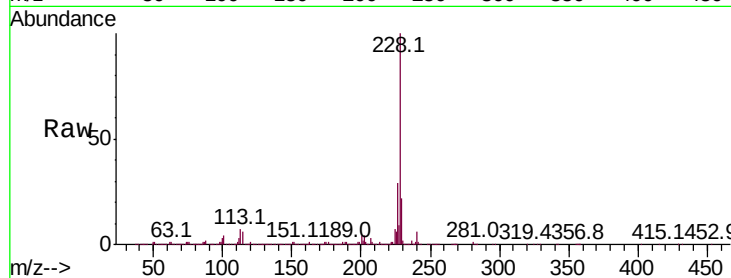
228 100

226 29.4 23.0 34.4

229 21.7 16.3 24.5

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#82

3,3'-Dichlorobenzidine

Concen: 29.032 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

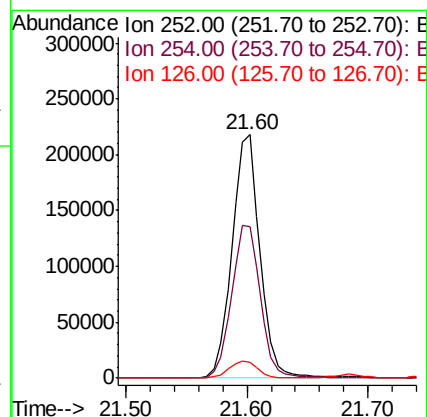
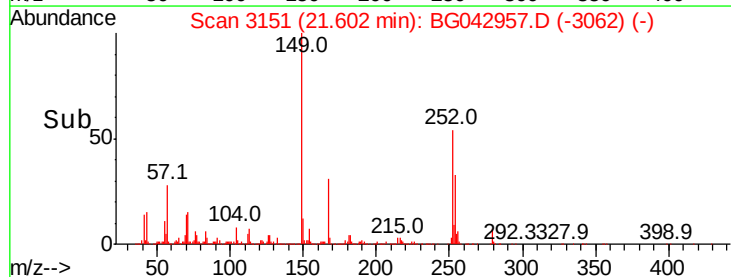
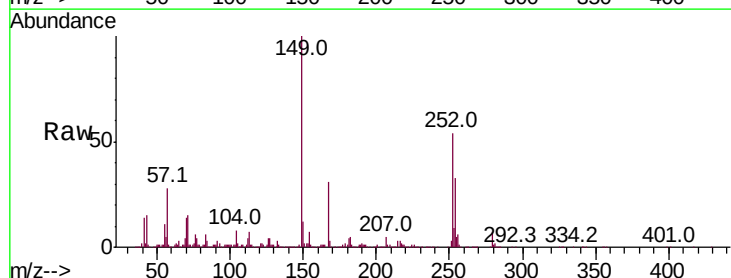
Tgt Ion:252 Resp: 350421

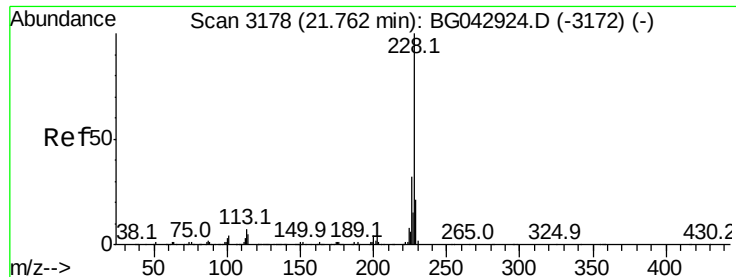
Ion Ratio Lower Upper

252 100

254 62.1 51.9 77.9

126 6.6 6.1 9.1





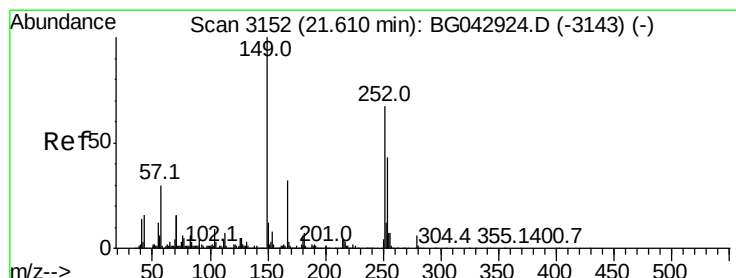
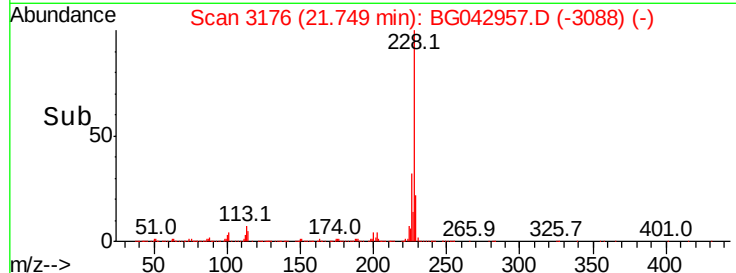
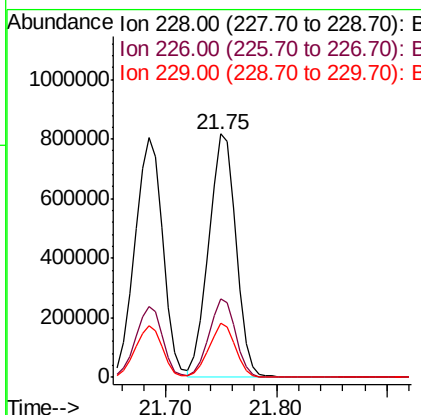
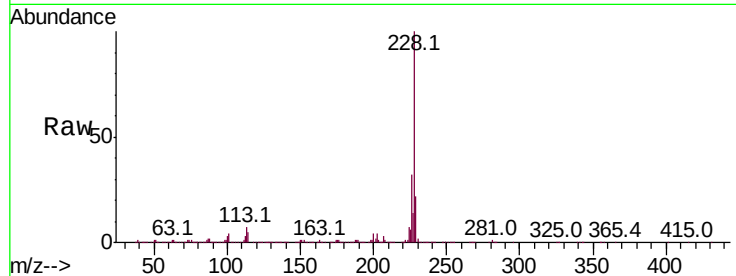
#83  
 Chrysene  
 Concen: 46.472 ng  
 RT: 21.75 min Scan# 3176  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampled :  
 PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.4  | 25.6  | 38.4  |
| 229     | 22.1  | 16.9  | 25.3  |

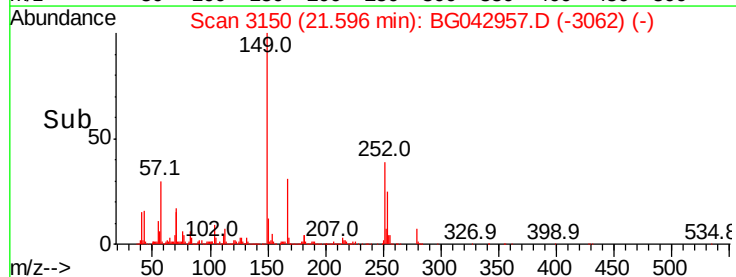
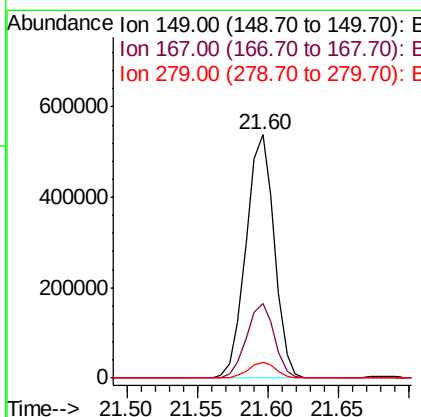
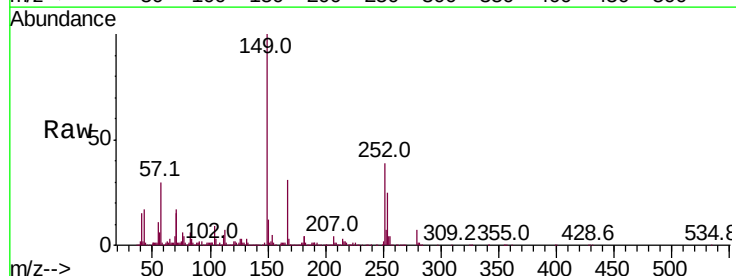
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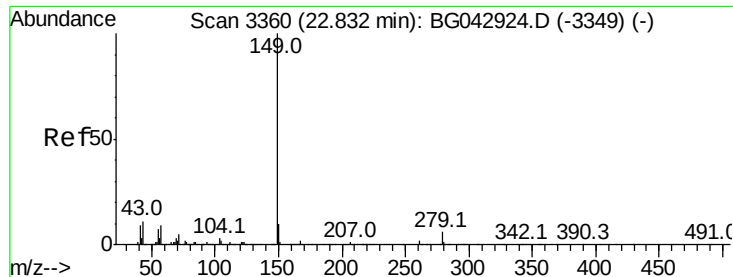
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.527 ng  
 RT: 21.60 min Scan# 3150  
 Delta R.T. -0.01 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.7  | 25.4  | 38.2  |
| 279     | 6.5   | 5.1   | 7.7   |





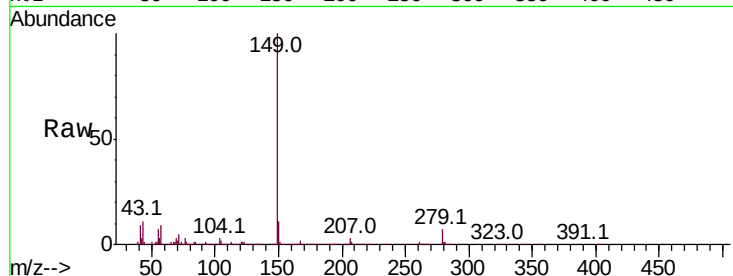
#85  
Di-n-octyl phthalate  
Concen: 48.830 ng  
RT: 22.81 min Scan# 3357  
Delta R.T. -0.02 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 10.6  | 8.7   | 13.1  |

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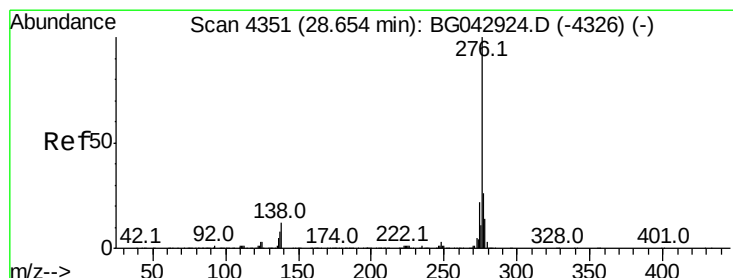
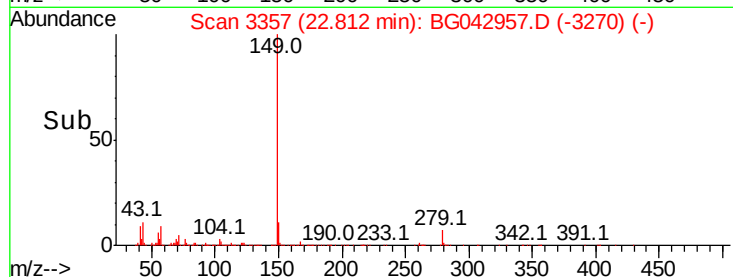
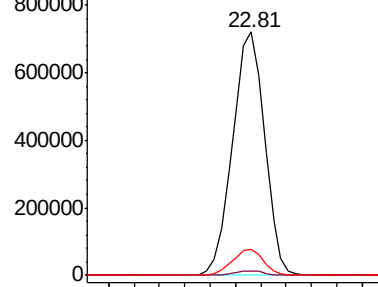


Abundance

Ion 149.00 (148.70 to 149.70): E

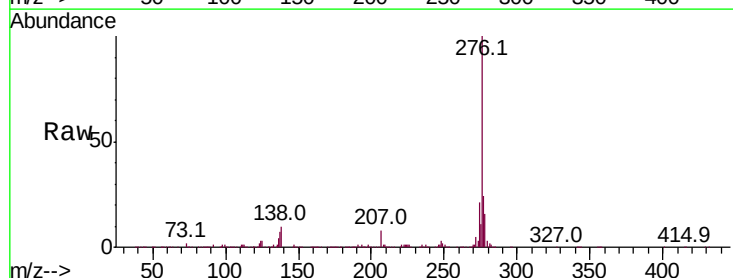
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 48.647 ng  
RT: 28.61 min Scan# 4344  
Delta R.T. -0.04 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 13.8  | 7.0   | 10.6# |
| 277     | 26.2  | 20.9  | 31.3  |

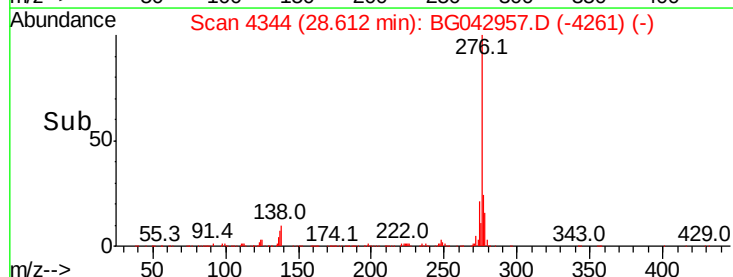
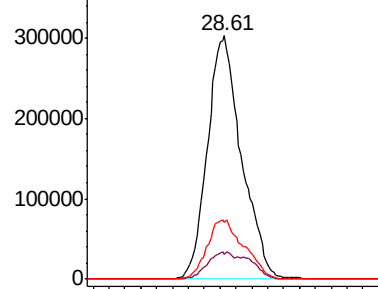


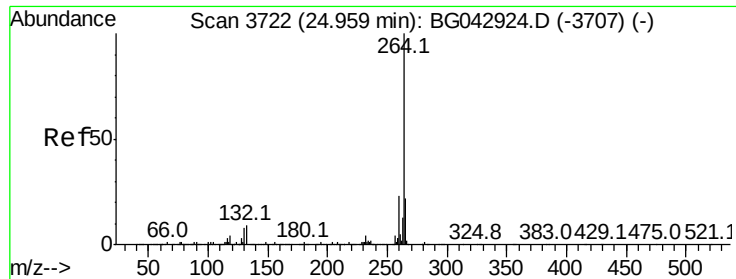
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.03 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

Instrument :

BNA\_G

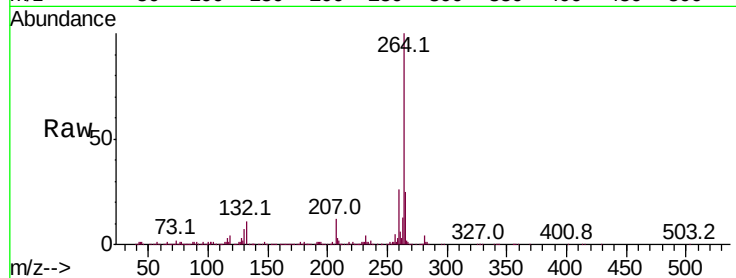
ClientSampleId :

PAT-091019-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 572559 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 25.8  | 18.7  | 28.1   |
| 265       | 24.5  | 17.7  | 26.5   |

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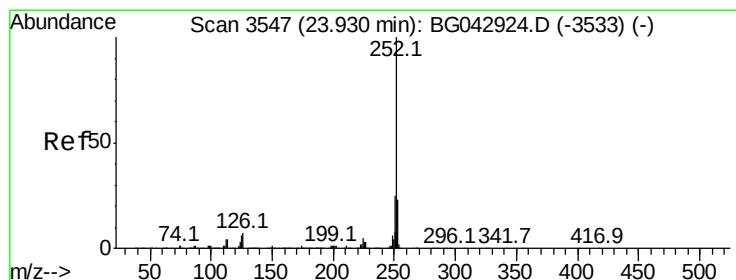
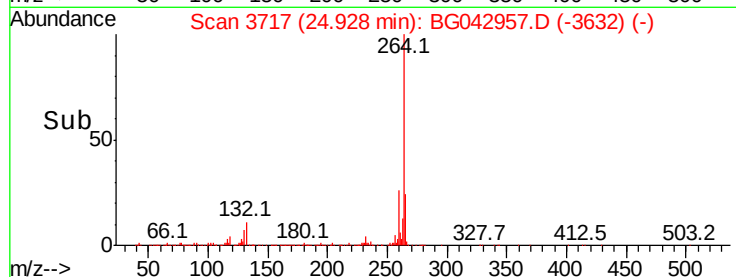
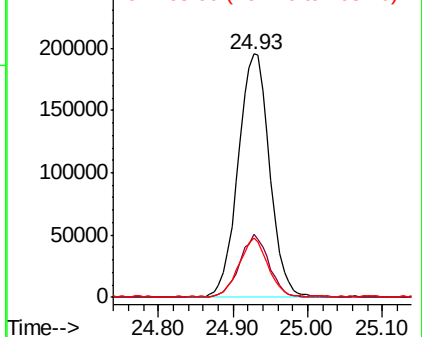


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 46.911 ng

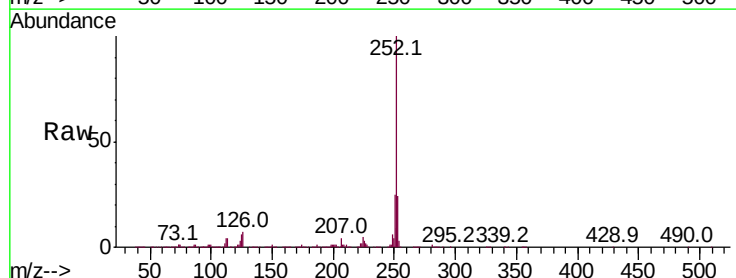
RT: 23.91 min Scan# 3543

Delta R.T. -0.03 min

Lab File: BG042957.D

Acq: 1 Oct 2019 1:18

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1519783 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.7  | 18.2  | 27.2    |
| 125       | 6.1   | 4.6   | 7.0     |

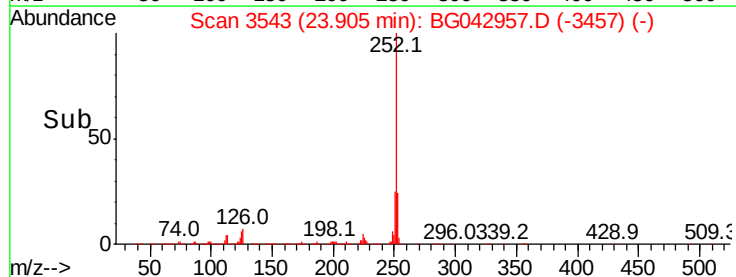
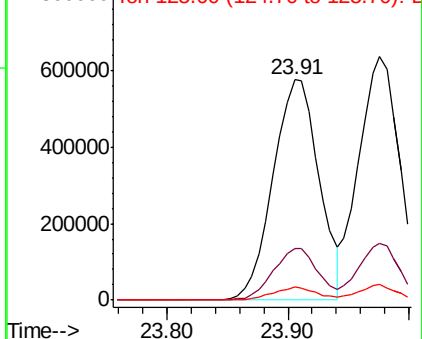


Abundance

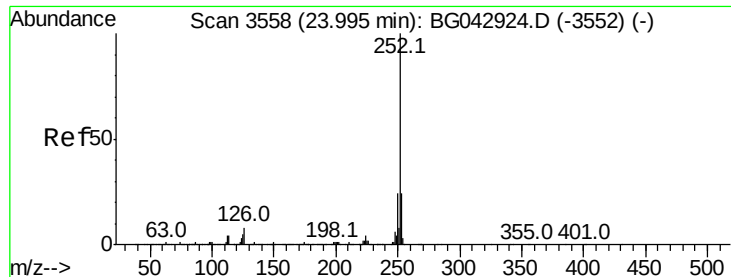
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







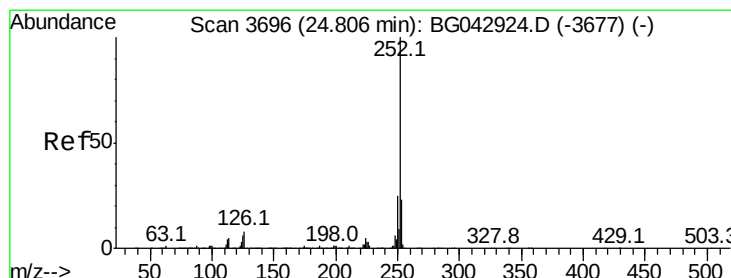
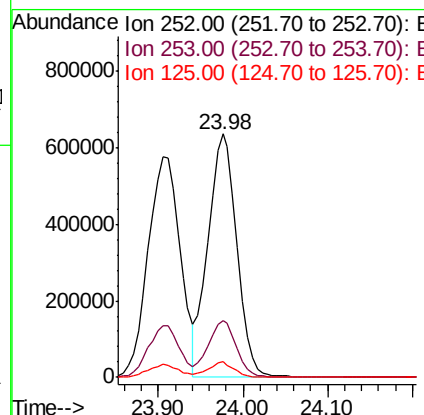
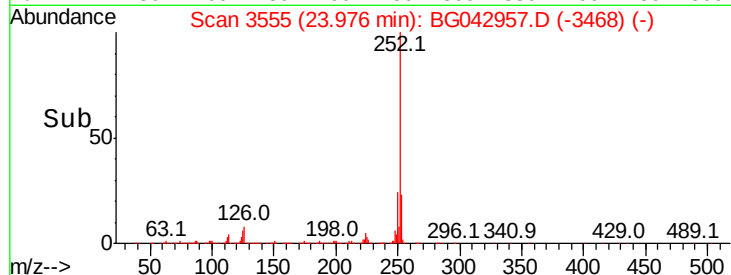
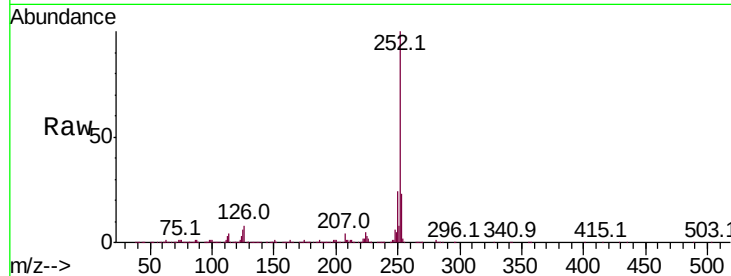
#89  
Benzo(k)fluoranthene  
Concen: 47.141 ng  
RT: 23.98 min Scan# 3555  
Delta R.T. -0.02 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-091019-BMS

Tot Ion:252 Resp: 1510834  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.9 28.3  
125 6.4 4.5 6.7

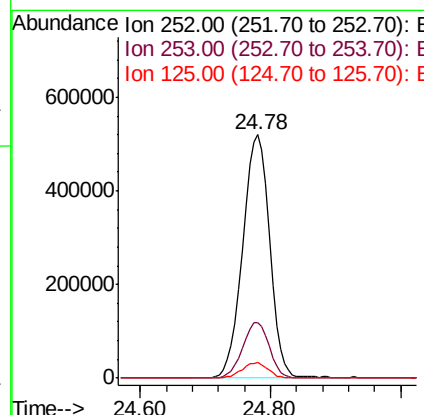
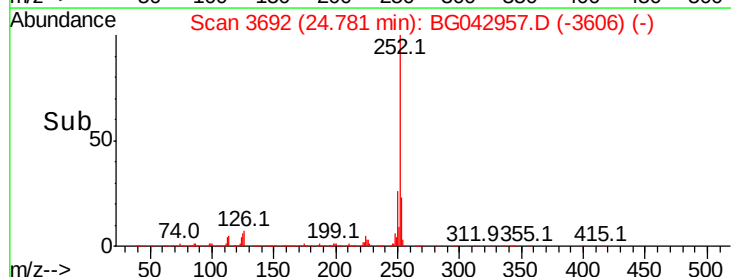
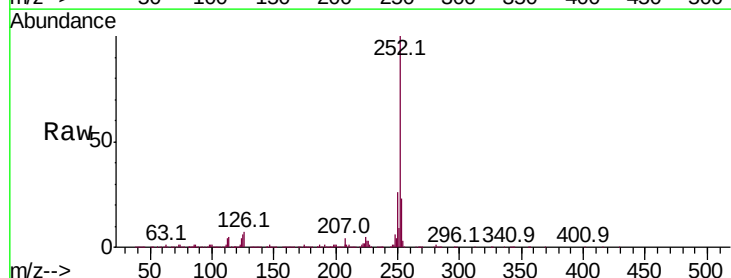
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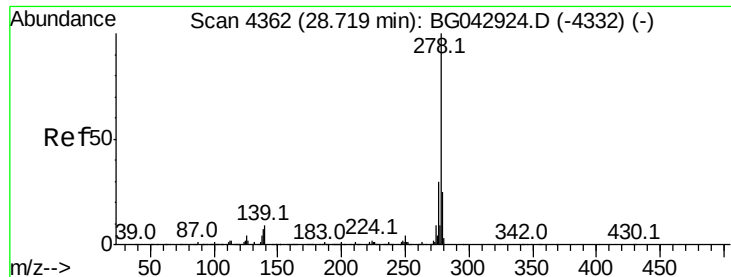
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#90  
Benzo(a)pyrene  
Concen: 48.812 ng  
RT: 24.78 min Scan# 3692  
Delta R.T. -0.03 min  
Lab File: BG042957.D  
Acq: 1 Oct 2019 1:18

Tgt Ion:252 Resp: 1491936  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.2 27.4  
125 6.4 5.0 7.6





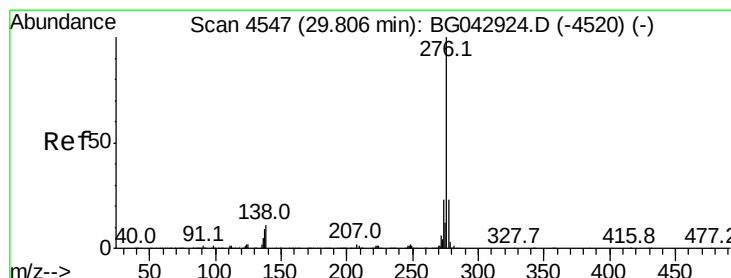
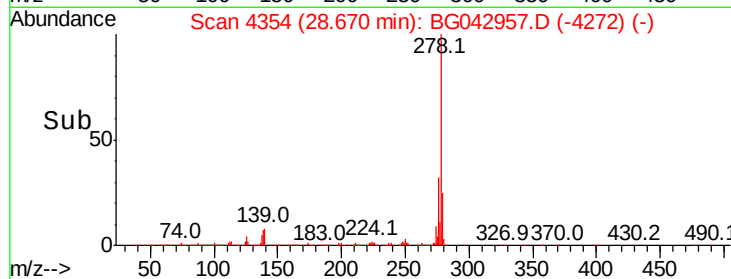
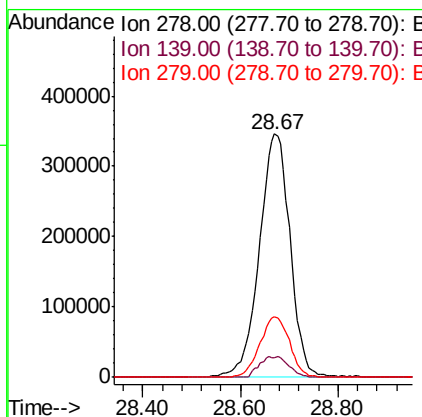
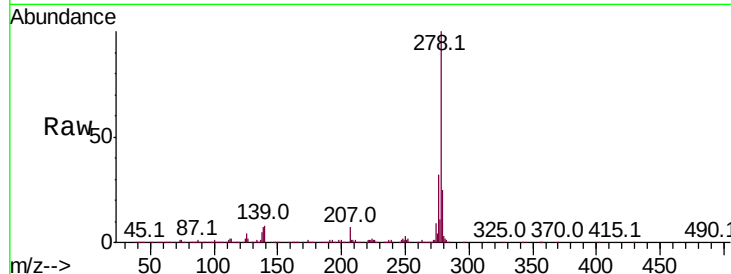
#91  
 Dibenzo(a,h)anthracene  
 Concen: 48.448 ng  
 RT: 28.67 min Scan# 4354  
 Delta R.T. -0.05 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-091019-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 8.3   | 6.8   | 10.2  |
| 279     | 24.7  | 20.1  | 30.1  |

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#92  
 Benzo(g,h,i)perylene  
 Concen: 49.154 ng  
 RT: 29.76 min Scan# 4539  
 Delta R.T. -0.05 min  
 Lab File: BG042957.D  
 Acq: 1 Oct 2019 1:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.0  | 18.4  | 27.6  |
| 138     | 11.9  | 8.6   | 12.8  |

