

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\  
 Data File : BG020075.D  
 Acq On : 10 Dec 2015 14:41  
 Operator : UM/SJ  
 Sample : G4683-02MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

Manual Integrations  
 APPROVED

MMdadoda  
 12/11/2015 6:02:25 PM

Quant Time: Dec 11 05:37:08 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 19115    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 10.93 | 136  | 82830    | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 14.74 | 164  | 57176    | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 17.48 | 188  | 137826   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 21.75 | 240  | 169713   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 25.03 | 264  | 160277   | 20.00 | ng    | -0.06    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 161551 | 152.75 | ng | -0.01 |
| 7) Phenol-d6             | 7.26  | 99  | 245349 | 153.65 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 157531 | 97.06  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 122098 | 139.57 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 13.36 | 172 | 343648 | 82.07  | ng | -0.03 |
| 78) Terphenyl-d14        | 20.08 | 244 | 602773 | 86.63  | ng | -0.03 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 14980  | 36.36 | ng | # 100  |
| 3) Pyridine                    | 3.92  | 79  | 48481  | 38.74 | ng | # 88   |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 25870  | 39.31 | ng | # 88   |
| 6) Aniline                     | 7.43  | 93  | 45436  | 21.97 | ng | # 85   |
| 8) 2-Chlorophenol              | 7.67  | 128 | 64595  | 50.09 | ng | 92     |
| 9) Benzaldehyde                | 7.24  | 77  | 44068  | 41.38 | ng | 95     |
| 10) Phenol                     | 7.29  | 94  | 92954  | 55.31 | ng | 82     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 56866  | 45.69 | ng | 87     |
| 12) 1,3-Dichlorobenzene        | 8.00  | 146 | 63632  | 43.53 | ng | # 95   |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 64749  | 42.89 | ng | # 94   |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 64000  | 44.45 | ng | 96     |
| 15) Benzyl Alcohol             | 8.35  | 79  | 68012  | 48.54 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64  | 45  | 85433  | 42.09 | ng | 94     |
| 17) 2-Methylphenol             | 8.55  | 107 | 59012  | 49.74 | ng | # 92   |
| 18) Hexachloroethane           | 9.20  | 117 | 24138  | 42.70 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 52634  | 41.80 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.87  | 107 | 82918  | 49.63 | ng | 91     |
| 22) Acetophenone               | 8.93  | 105 | 99391  | 43.77 | ng | # 93   |
| 24) Nitrobenzene               | 9.32  | 77  | 83820  | 47.61 | ng | 90     |
| 25) Isophorone                 | 9.84  | 82  | 146076 | 41.98 | ng | 97     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 37481  | 55.12 | ng | # 71   |
| 27) 2,4-Dimethylphenol         | 10.09 | 122 | 61054  | 43.12 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 83010  | 48.82 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 75268  | 52.04 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.78 | 180 | 74354  | 45.48 | ng | 94     |
| 31) Naphthalene                | 10.98 | 128 | 207860 | 46.84 | ng | 99     |
| 32) Benzoic acid               | 10.13 | 122 | 4396m  | 10.03 | ng |        |
| 33) 4-Chloroaniline            | 11.08 | 127 | 30460  | 15.58 | ng | # 89   |
| 34) Hexachlorobutadiene        | 11.26 | 225 | 51042  | 42.33 | ng | 98     |
| 35) Caprolactam                | 11.86 | 113 | 24304m | 45.14 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.19 | 107 | 85911  | 47.69 | ng | 94     |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 154624 | 47.55 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 100750 | 46.43 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.92 | 237 | 95305  | 77.03 | ng | 99     |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

Manual Integrations  
 APPROVED

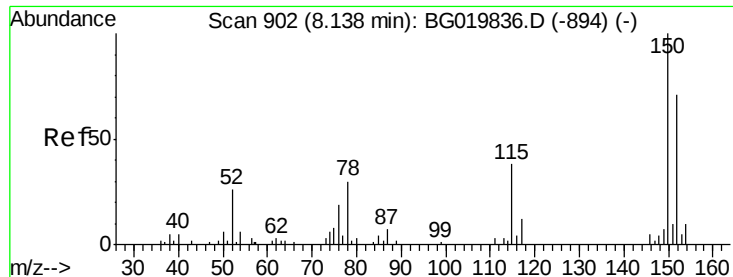
MMdadoda  
 12/11/2015 6:02:25 PM

Quant Time: Dec 11 05:37:08 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.18 | 196  | 70596    | 49.14  | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.25 | 196  | 78007    | 51.38  | nq    | 98       |
| 45) 1,1'-Biphenyl              | 13.58 | 154  | 208095   | 44.35  | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.62 | 162  | 168042   | 46.46  | nq    | 96       |
| 47) 2-Nitroaniline             | 13.82 | 65   | 61209    | 53.58  | nq    | 87       |
| 48) Acenaphthylene             | 14.46 | 152  | 276300   | 44.85  | nq    | 99       |
| 49) Dimethylphthalate          | 14.19 | 163  | 323617   | 62.92  | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.31 | 165  | 50303    | 52.02  | nq    | # 78     |
| 51) Acenaphthene               | 14.80 | 154  | 164466   | 44.00  | nq    | 99       |
| 52) 3-Nitroaniline             | 14.64 | 138  | 35550    | 35.39  | nq    | 94       |
| 53) 2,4-Dinitrophenol          | 14.84 | 184  | 30688    | 62.00  | nq    | 89       |
| 54) Dibenzofuran               | 15.14 | 168  | 276301   | 49.68  | nq    | 93       |
| 55) 4-Nitrophenol              | 14.94 | 139  | 81155    | 92.75  | nq    | # 67     |
| 56) 2,4-Dinitrotoluene         | 15.10 | 165  | 70888    | 52.54  | nq    | # 96     |
| 57) Fluorene                   | 15.78 | 166  | 218470   | 43.89  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 73890    | 52.59  | nq    | 96       |
| 59) Diethylphthalate           | 15.55 | 149  | 229039   | 41.15  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204  | 121498   | 42.51  | nq    | 99       |
| 61) 4-Nitroaniline             | 15.80 | 138  | 52002    | 46.02  | nq    | # 74     |
| 62) Azobenzene                 | 16.07 | 77   | 210695   | 45.49  | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.85 | 198  | 34426    | 44.91  | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 15.99 | 169  | 196165   | 49.18  | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.67 | 248  | 79812    | 46.60  | nq    | 97       |
| 67) Hexachlorobenzene          | 16.79 | 284  | 87909    | 49.28  | nq    | 96       |
| 68) Atrazine                   | 16.93 | 200  | 84101    | 48.53  | nq    | 97       |
| 69) Pentachlorophenol          | 17.13 | 266  | 106392   | 102.18 | nq    | 96       |
| 70) Phenanthrene               | 17.52 | 178  | 370635   | 47.53  | nq    | 97       |
| 71) Anthracene                 | 17.62 | 178  | 368724   | 46.42  | nq    | 96       |
| 72) Carbazole                  | 17.88 | 167  | 332994   | 47.59  | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.43 | 149  | 384868   | 44.88  | nq    | 98       |
| 74) Fluoranthene               | 19.53 | 202  | 457865   | 45.91  | nq    | 94       |
| 76) Benzidine                  | 19.70 | 184  | 67300    | 12.07  | nq    | 97       |
| 77) Pyrene                     | 19.89 | 202  | 467585   | 46.83  | nq    | 96       |
| 79) Butylbenzylphthalate       | 20.77 | 149  | 176625   | 45.13  | nq    | 97       |
| 80) Benzo(a)anthracene         | 21.74 | 228  | 475968   | 45.82  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 96253    | 24.33  | nq    | # 97     |
| 82) Chrysene                   | 21.80 | 228  | 431231   | 43.72  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 260512   | 45.36  | nq    | 96       |
| 84) Di-n-octyl phthalate       | 22.86 | 149  | 447587   | 47.93  | nq    | # 96     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.78 | 276  | 509488   | 46.89  | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.99 | 252  | 471501   | 46.42  | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 24.06 | 252  | 441230   | 43.86  | nq    | # 94     |
| 89) Benzo(a)pyrene             | 24.88 | 252  | 448576   | 46.51  | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 28.85 | 278  | 420639   | 44.15  | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 29.96 | 276  | 400912   | 42.85  | nq    | # 93     |

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





#1

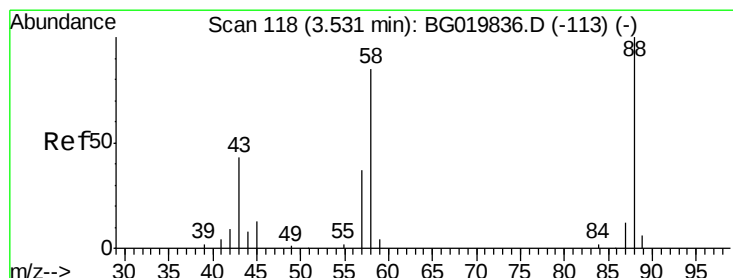
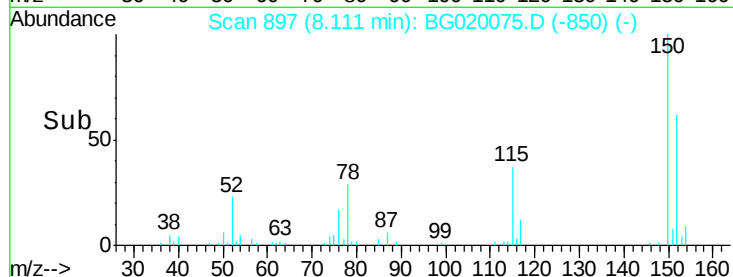
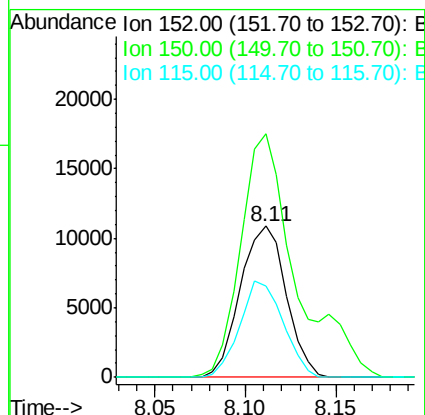
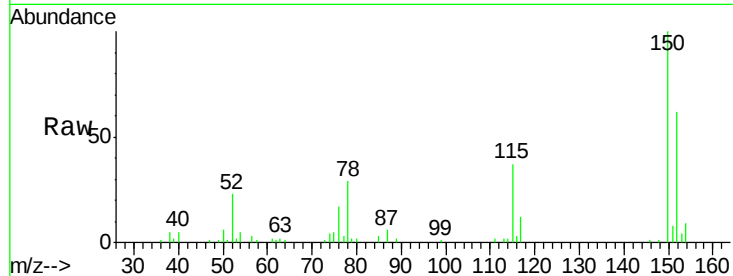
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.11 min Scan# 897  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.3 | 115.0 | 172.4 |
| 115     | 60.1  | 43.9  | 65.9  |

Manual Integrations  
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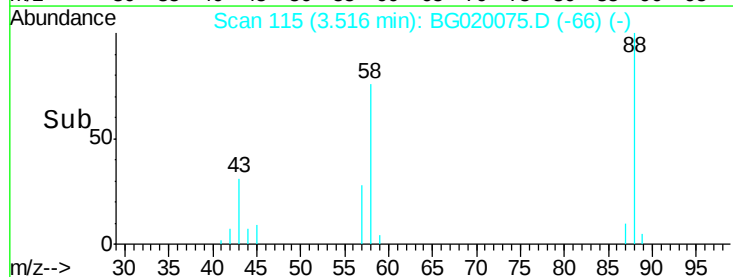
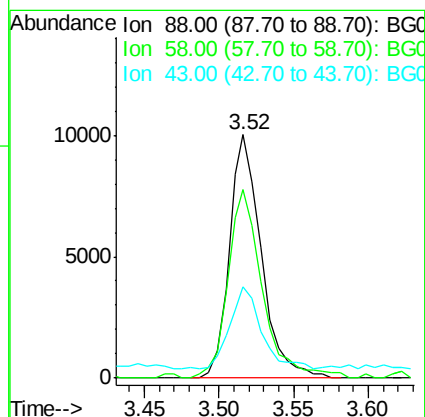
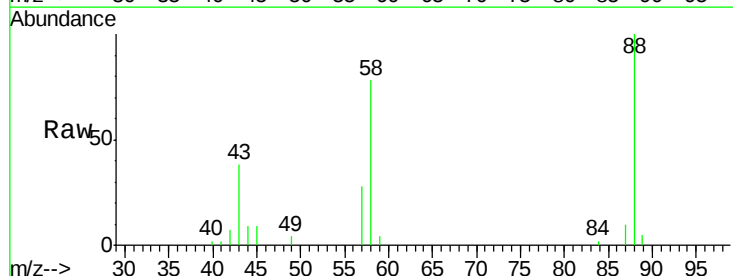
MMdadoda  
12/11/2015 6:02:25 PM

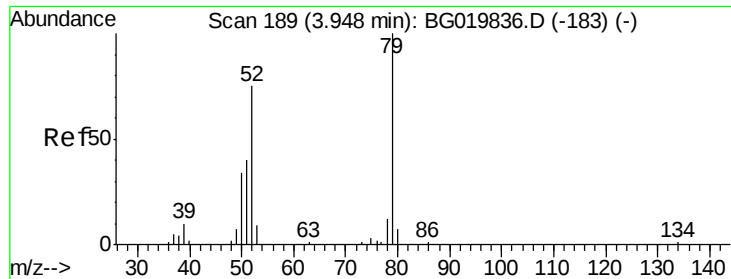


#2

1,4-Dioxane  
Concen: 36.36 ng  
RT: 3.52 min Scan# 115  
Delta R.T. -0.01 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 83.7  | 0.0   | 0.0#  |
| 43      | 33.0  | 0.0   | 0.0#  |





#3

Pvridine

Concen: 38.74 ng

RT: 3.92 min Scan# 184

Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

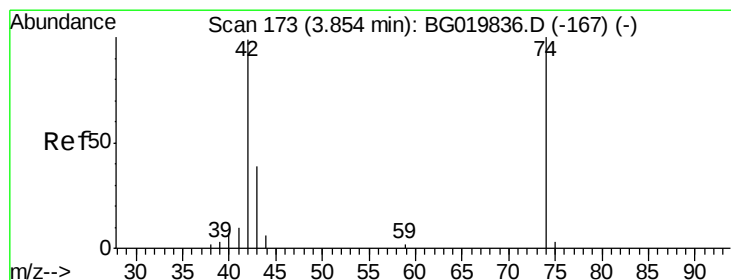
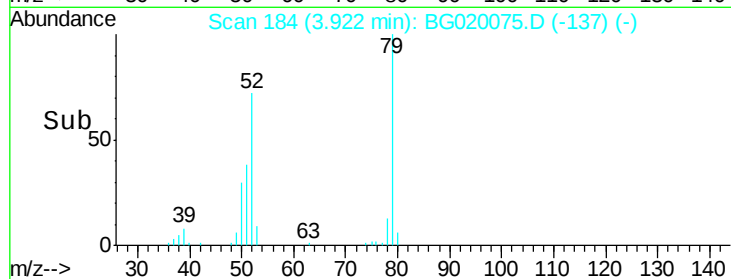
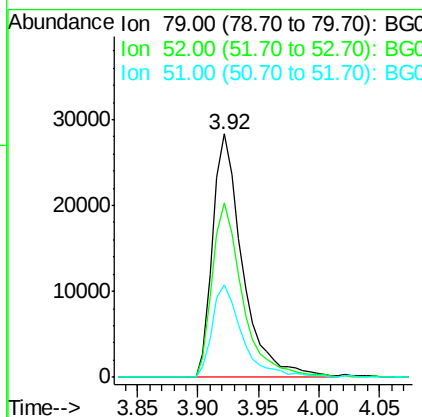
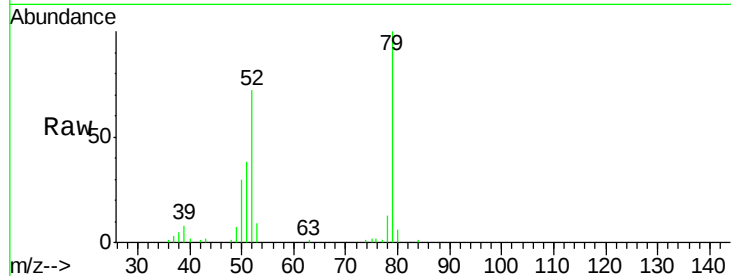
ClientSampleId :

S8-14.5MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 48481 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 71.7  | 50.3  | 75.5  |
| 51       | 37.9  | 24.8  | 37.2# |

Manual Integrations  
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12/11/2015 6:02:25 PM



#4

n-Nitrosodimethylamine

Concen: 39.31 ng

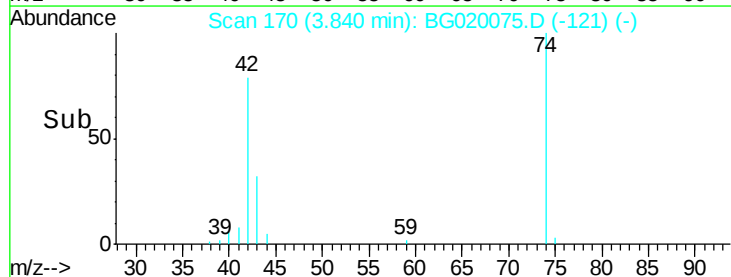
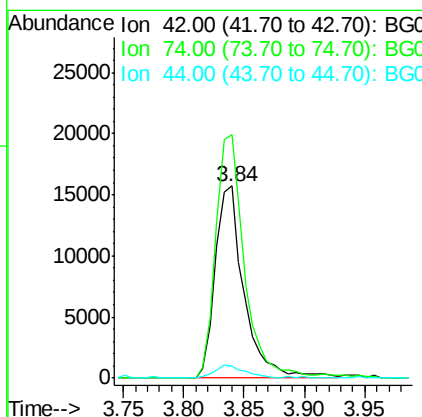
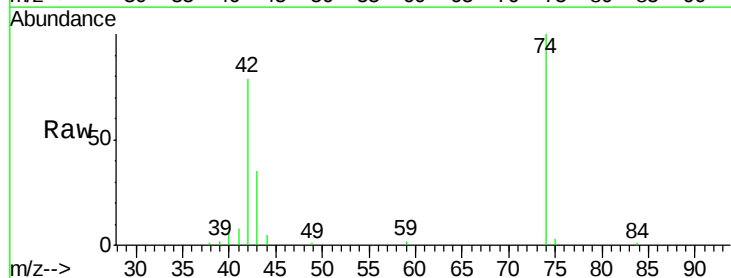
RT: 3.84 min Scan# 170

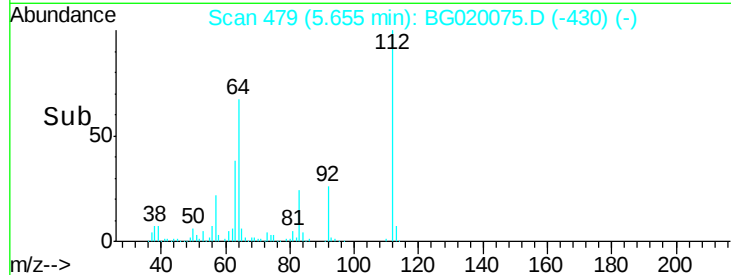
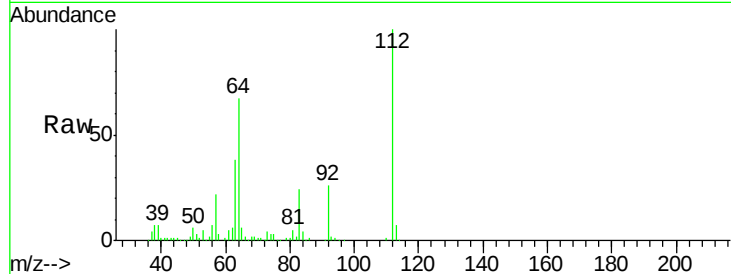
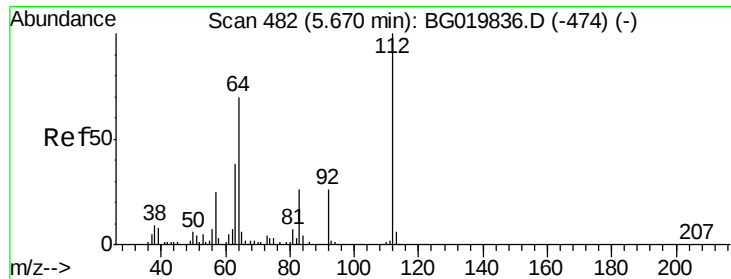
Delta R.T. -0.01 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 25870 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 126.9 | 113.9 | 170.9 |
| 44       | 6.5   | 5.7   | 8.5   |





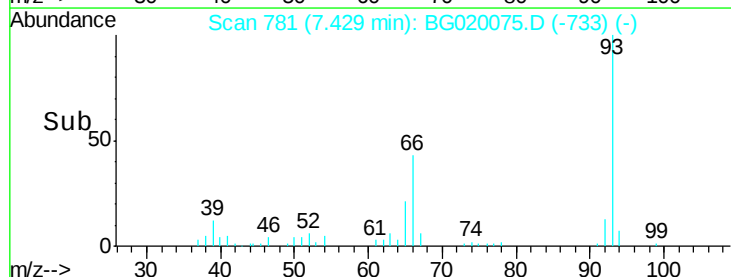
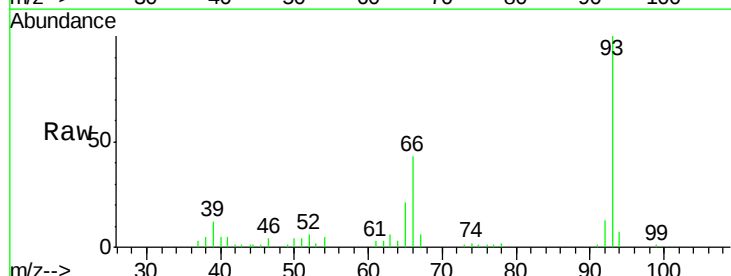
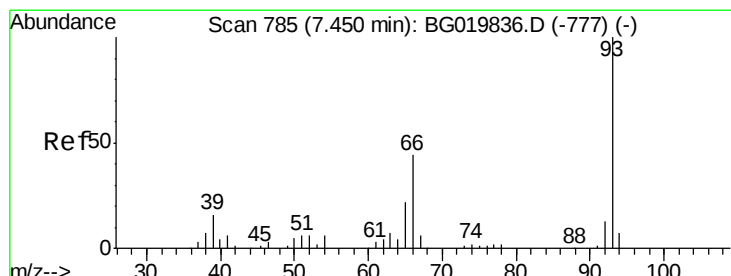
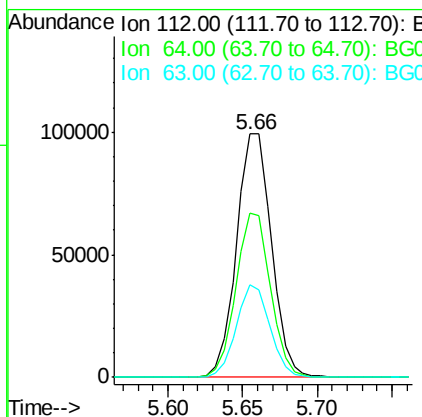
#5  
2-Fluorophenol  
Concen: 152.75 ng  
RT: 5.66 min Scan# 479  
Delta R.T. -0.01 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 161551 |       |       |
| 64      | 67.3  | 43.7   | 65.5# |       |
| 63      | 38.1  | 24.0   | 36.0# |       |

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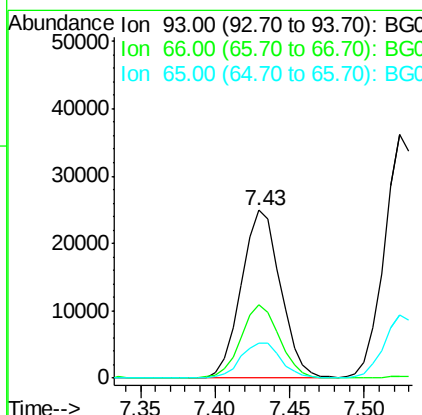
Manual Integrations  
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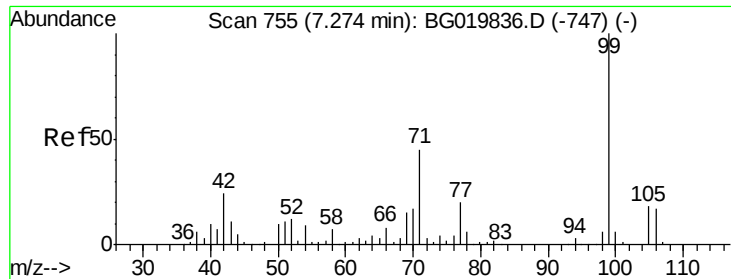
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12/11/2015 6:02:25 PM



#6  
Aniline  
Concen: 21.97 ng  
RT: 7.43 min Scan# 781  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 45436 |       |       |
| 66      | 43.4  | 26.2  | 39.2# |       |
| 65      | 21.1  | 14.0  | 21.0# |       |





#7

Phenol-d6

Concen: 153.65 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

ClientSampleId :

S8-14.5MSD

Tot Ion: 99 Resp: 245349

Ion Ratio Lower Upper

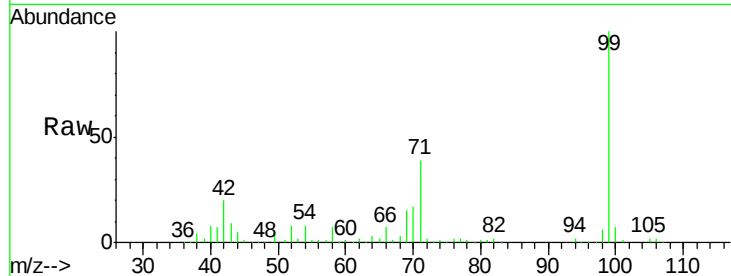
99 100

42 19.6 11.5 17.3#

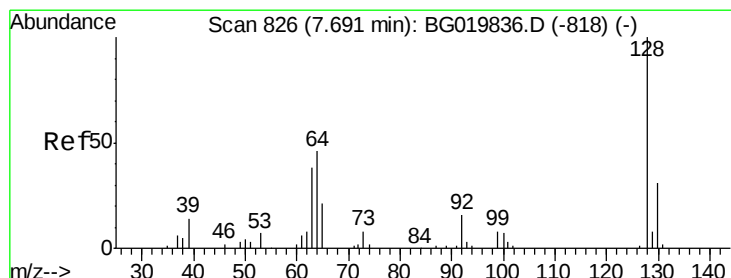
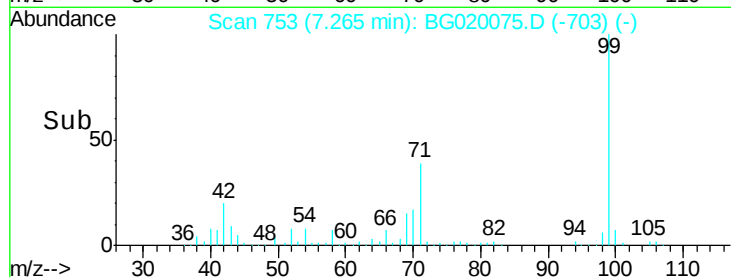
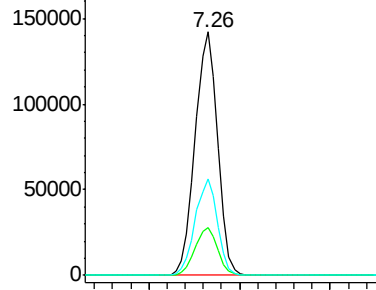
71 39.4 22.6 34.0#

Manual Integrations  
APPROVED

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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 50.09 ng

RT: 7.67 min Scan# 822

Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

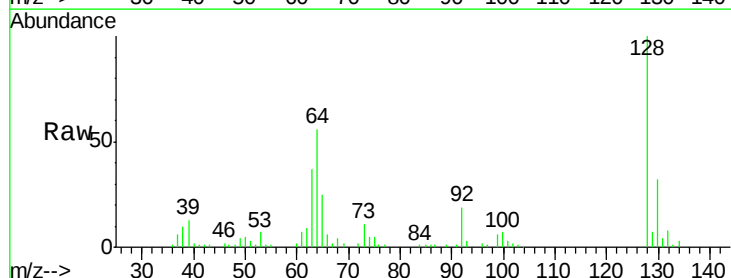
Tgt Ion: 128 Resp: 64595

Ion Ratio Lower Upper

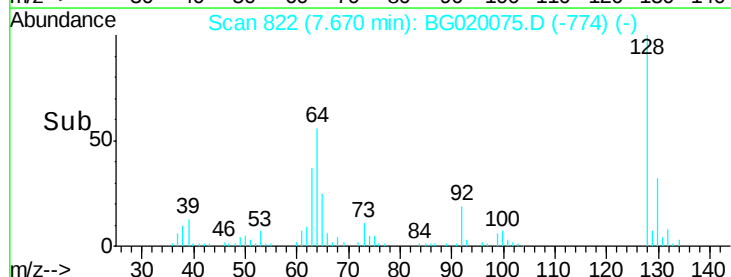
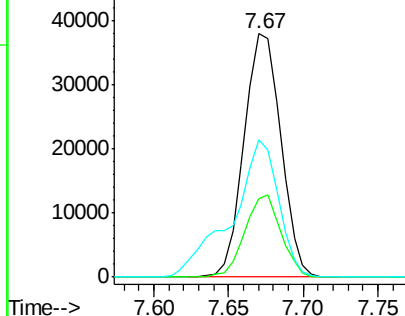
128 100

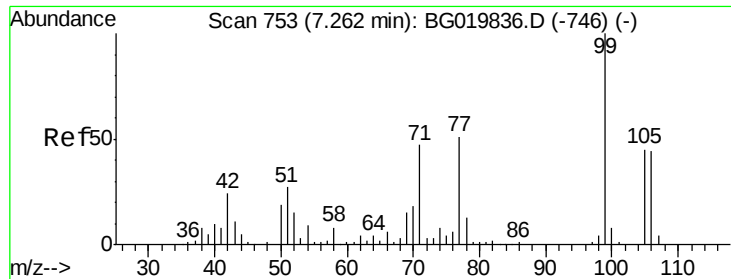
130 32.4 13.0 53.0

64 56.2 28.2 68.2



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 41.38 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

ClientSampleId :

S8-14.5MSD

Tot Ion: 77 Resp: 44068

Ion Ratio Lower Upper

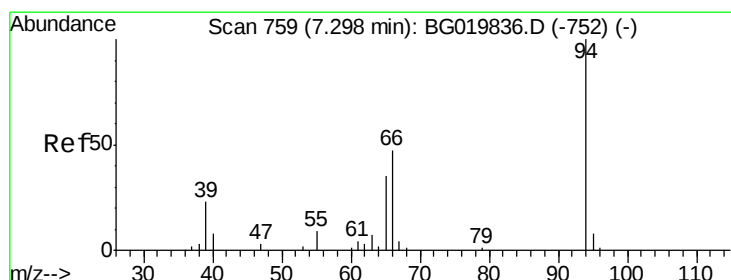
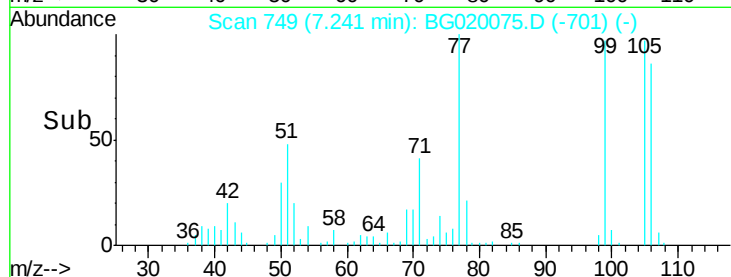
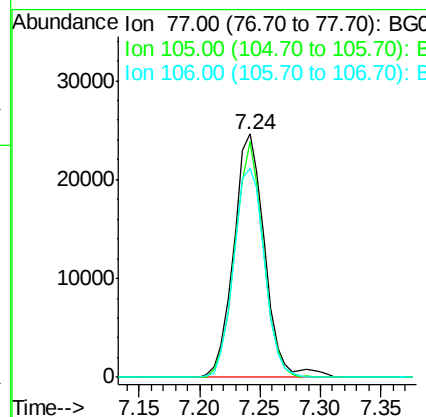
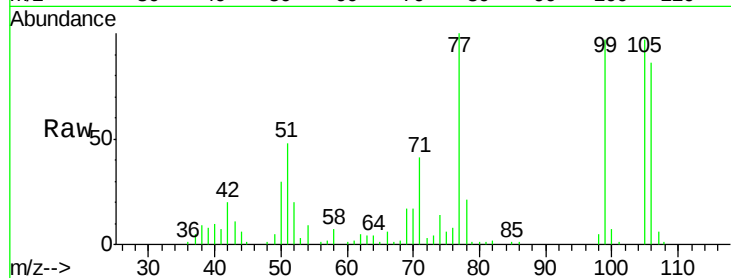
77 100

105 97.0 77.7 117.7

106 85.8 75.8 115.8

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MMdadoda  
12/11/2015 6:02:25 PM



#10

Phenol

Concen: 55.31 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

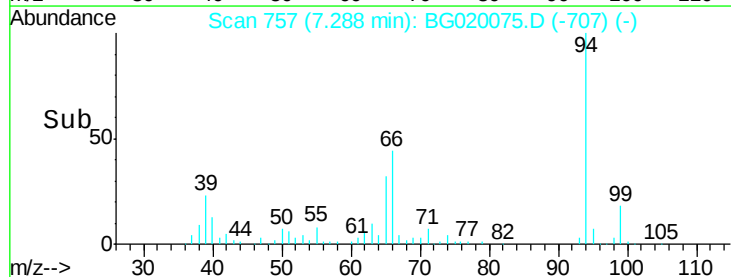
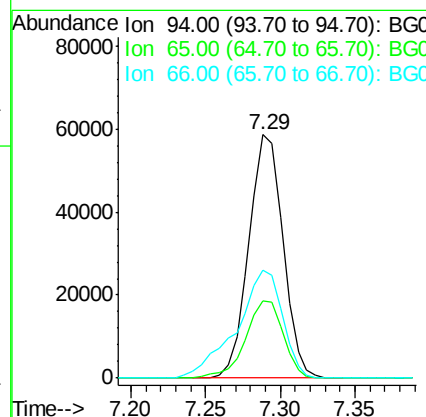
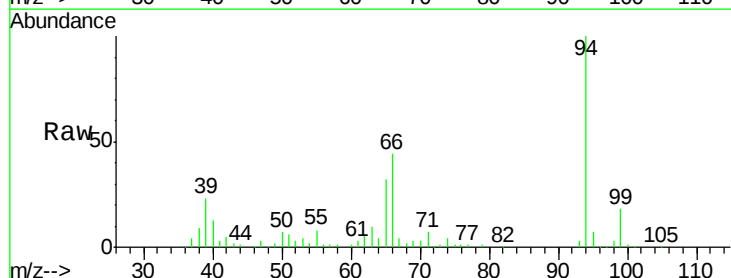
Tgt Ion: 94 Resp: 92954

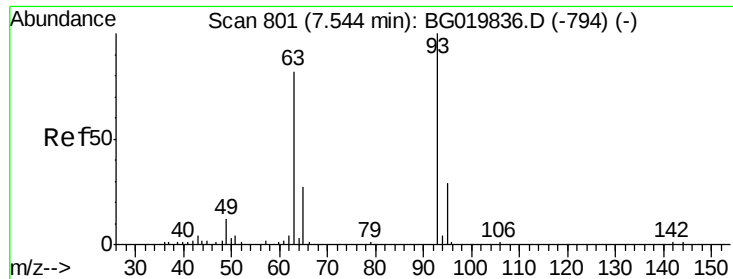
Ion Ratio Lower Upper

94 100

65 31.6 5.4 45.4

66 44.5 11.8 51.8





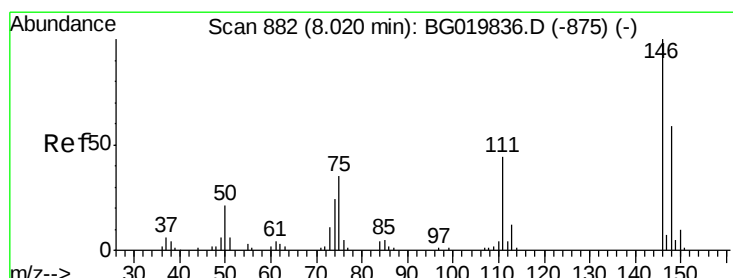
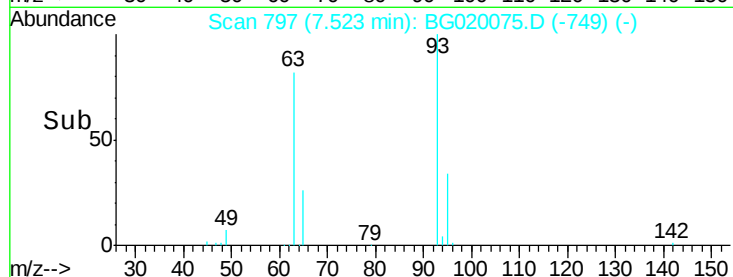
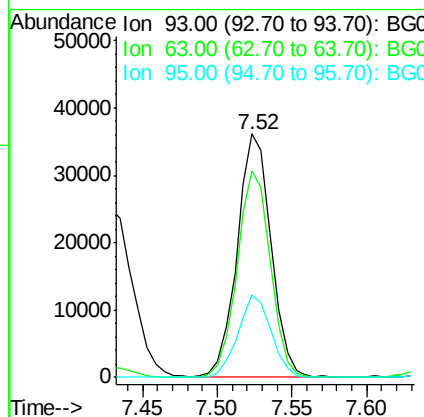
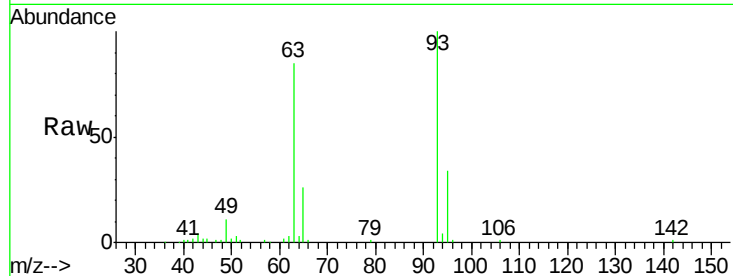
#11  
bis(2-Chloroethyl)ether  
Concen: 45.69 ng  
RT: 7.52 min Scan# 797  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 93    | Resp: | 56866 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 63        | 85.0  | 50.5  | 90.5  |
| 95        | 33.8  | 12.2  | 52.2  |

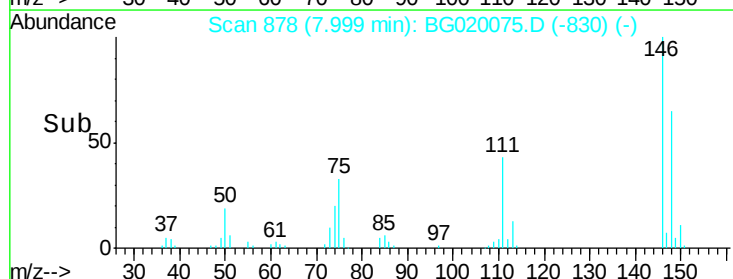
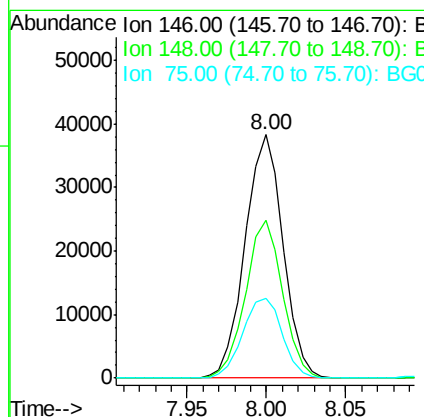
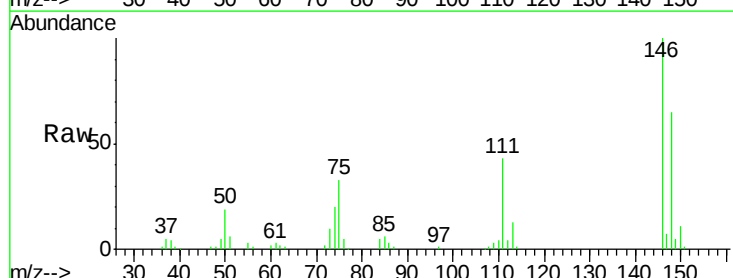
Manual Integrations  
APPROVED

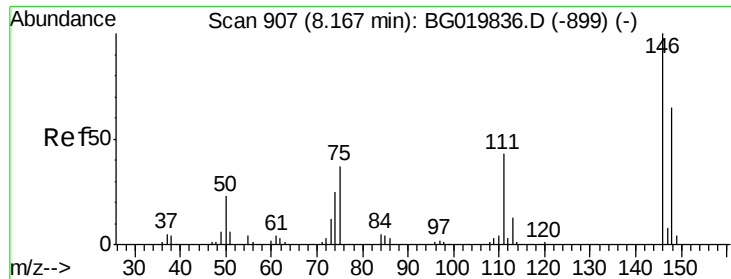
MMdadoda  
12/11/2015 6:02:25 PM



#12  
1,3-Dichlorobenzene  
Concen: 43.53 ng  
RT: 8.00 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 63632 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 65.0  | 53.4  | 80.0  |
| 75        | 32.5  | 21.1  | 31.7# |





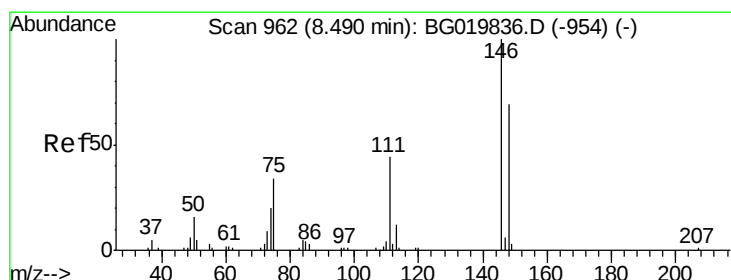
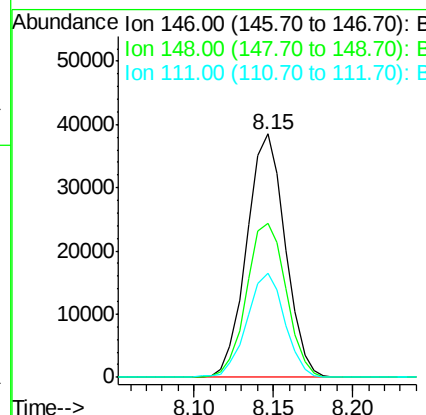
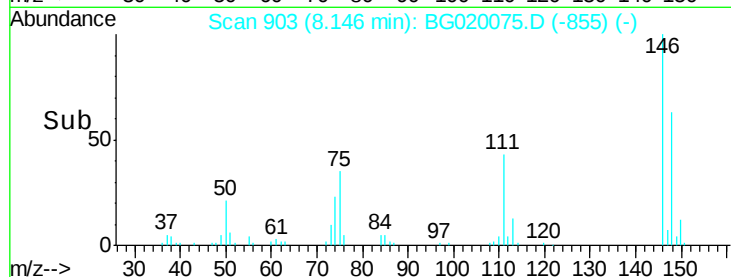
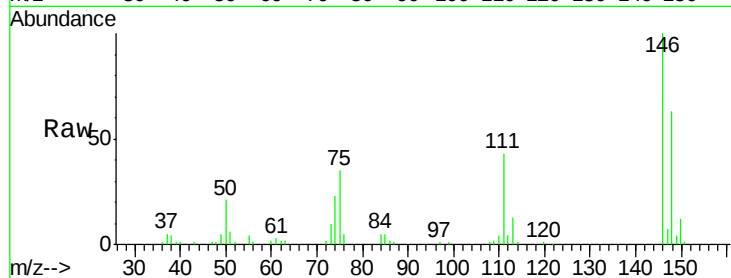
#13  
 1,4-Dichlorobenzene  
 Concen: 42.89 ng  
 RT: 8.15 min Scan# 903  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 52.5  | 78.7  |
| 111     | 42.5  | 28.3  | 42.5  |

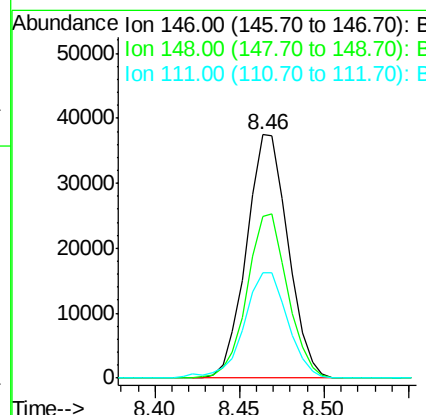
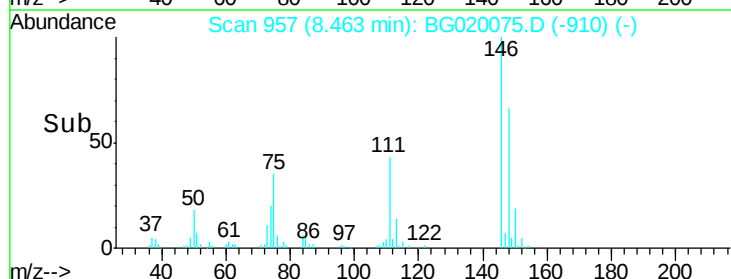
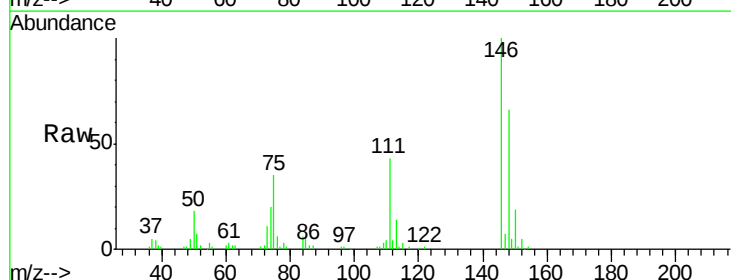
Manual Integrations  
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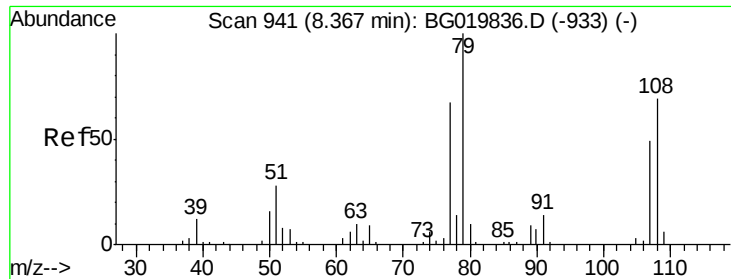
MMdadoda  
 12/11/2015 6:02:25 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 44.45 ng  
 RT: 8.46 min Scan# 957  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.2  | 52.5  | 78.7  |
| 111     | 43.2  | 29.9  | 44.9  |





#15

Benzyl Alcohol

Concen: 48.54 ng

RT: 8.35 min Scan# 937

Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

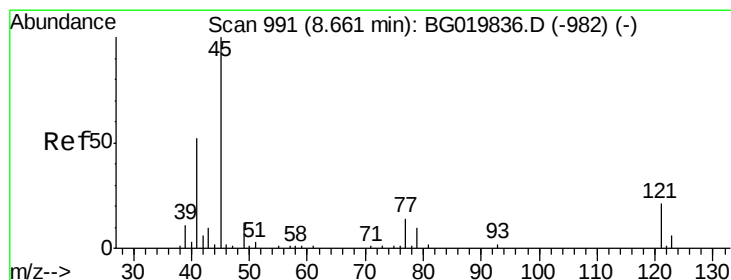
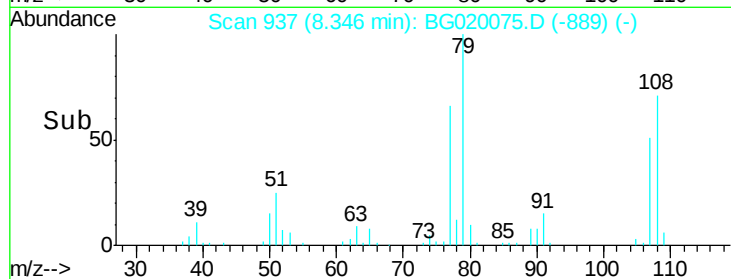
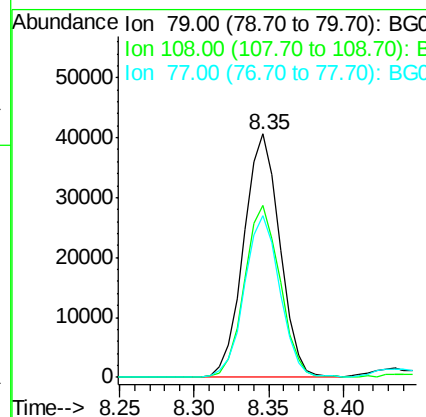
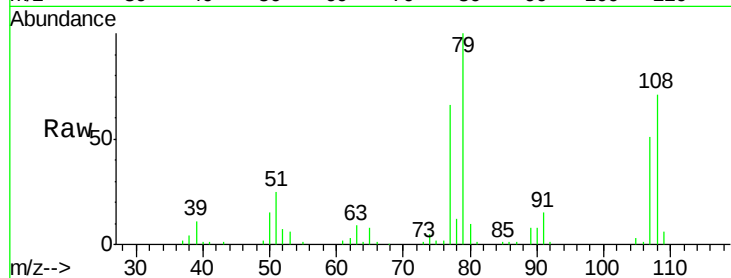
ClientSampleId :

S8-14.5MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 68012 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 70.8  | 65.5  | 98.3  |
| 77        | 66.2  | 51.3  | 76.9  |

Manual Integrations  
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#16

2,2'-oxybis(1-chloropropane)

Concen: 42.09 ng

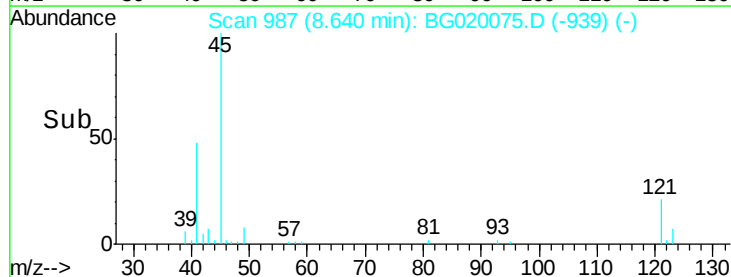
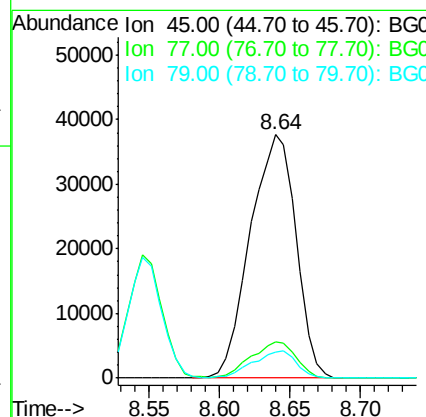
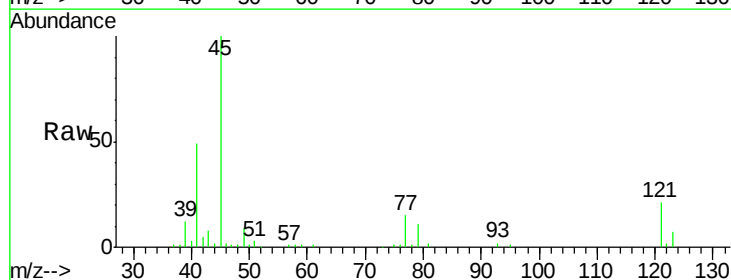
RT: 8.64 min Scan# 987

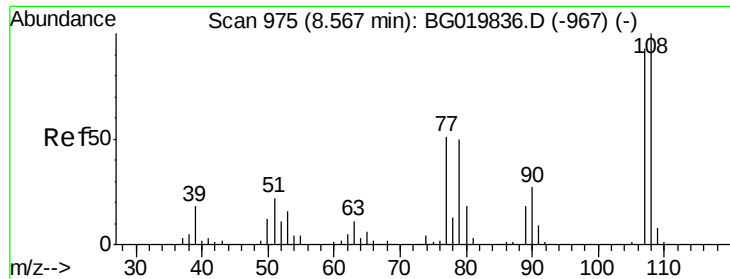
Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 45    | Resp: | 85433 |
| Ion Ratio | Lower | Upper |       |
| 45        | 100   |       |       |
| 77        | 15.1  | 0.0   | 37.0  |
| 79        | 10.6  | 0.0   | 33.8  |





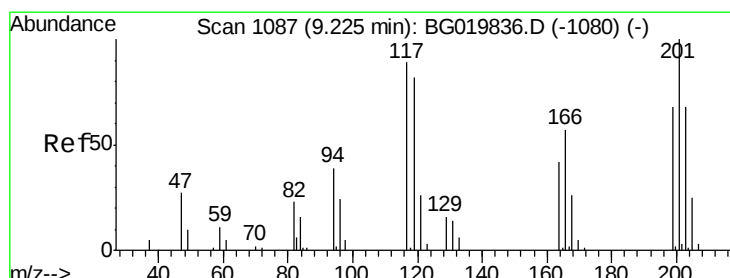
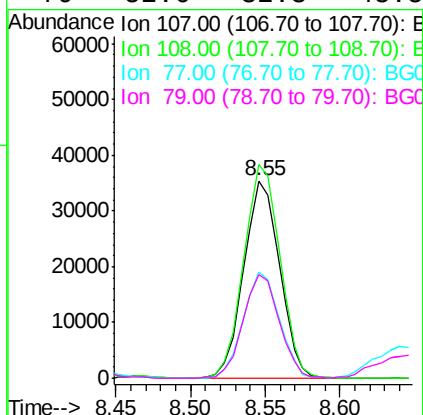
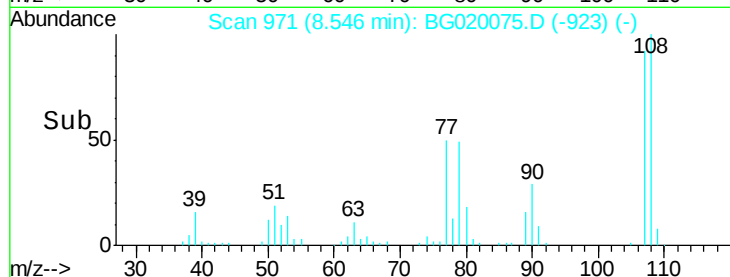
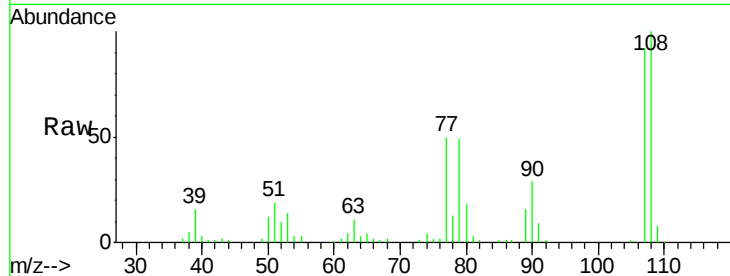
#17  
2-Methylphenol  
Concen: 49.74 ng  
RT: 8.55 min Scan# 971  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 108.3 | 86.5 | 129.7 |       |
| 77      | 53.8  | 34.6 | 51.8  |       |
| 79      | 52.6  | 32.3 | 48.5  |       |

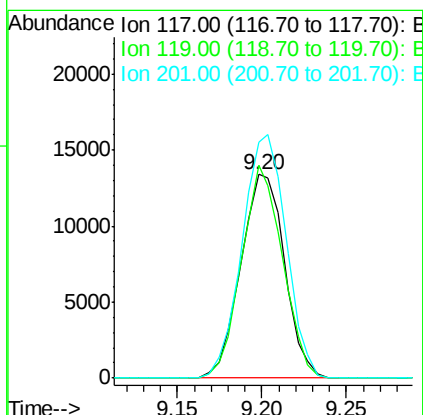
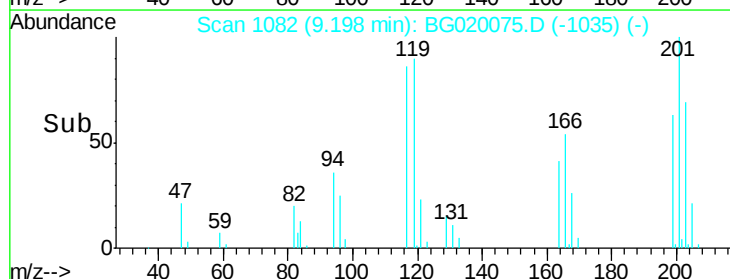
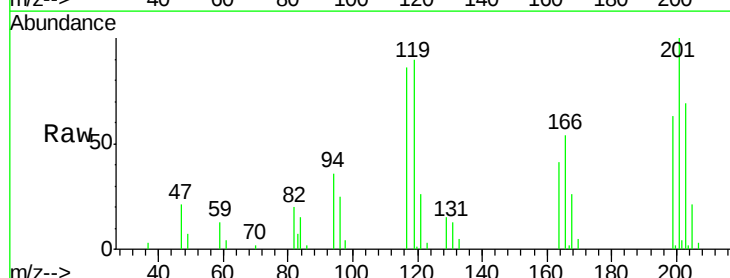
Manual Integrations  
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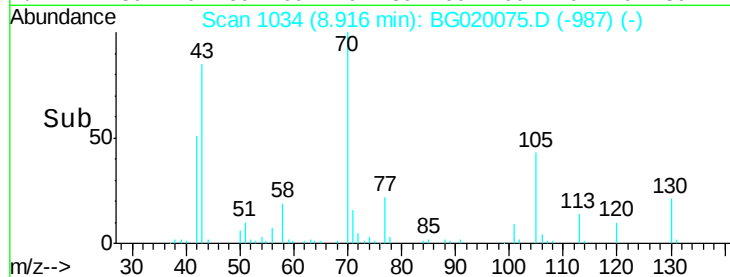
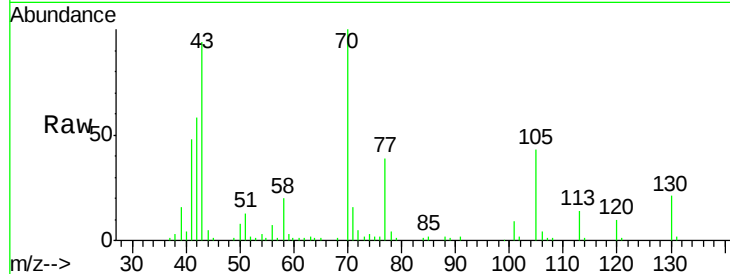
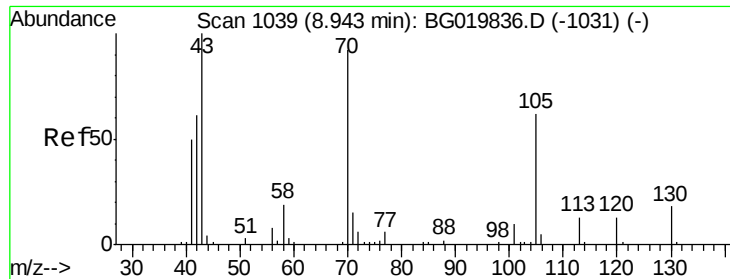
MMdadoda  
12/11/2015 6:02:25 PM



#18  
Hexachloroethane  
Concen: 42.70 ng  
RT: 9.20 min Scan# 1082  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 106.2 | 71.7 | 107.5 |       |
| 201     | 116.3 | 90.9 | 136.3 |       |





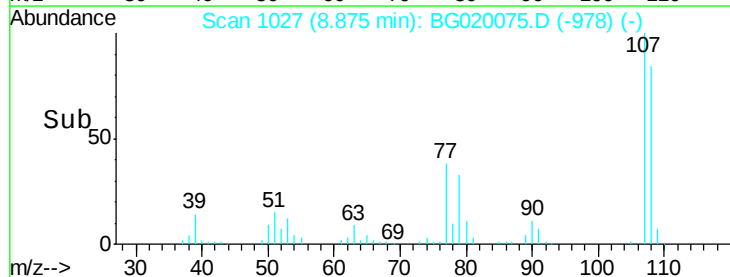
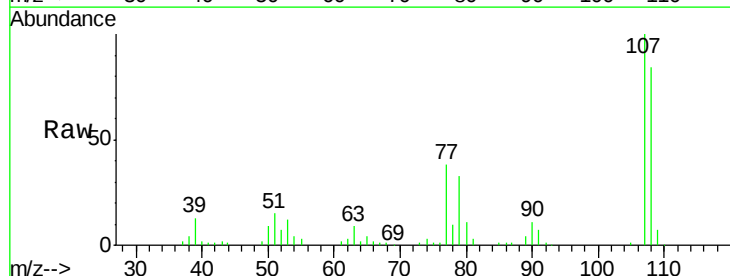
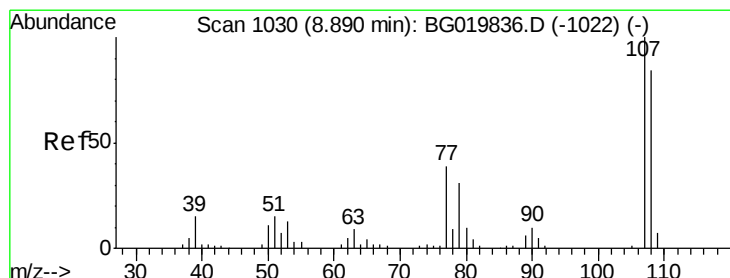
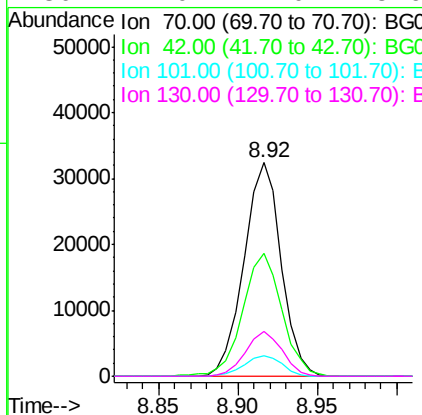
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.80 ng  
RT: 8.92 min Scan# 1034  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 57.5 | 40.6  | 60.8  |       |
| 101     | 9.5  | 8.6   | 13.0  |       |
| 130     | 21.0 | 17.0  | 25.6  |       |

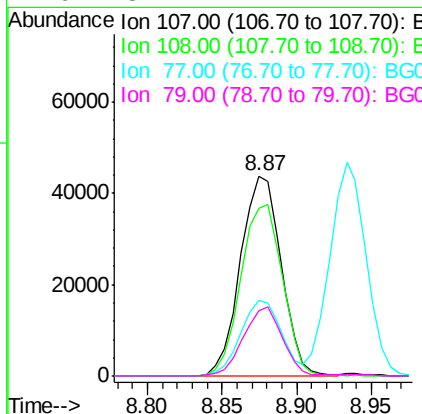
Manual Integrations  
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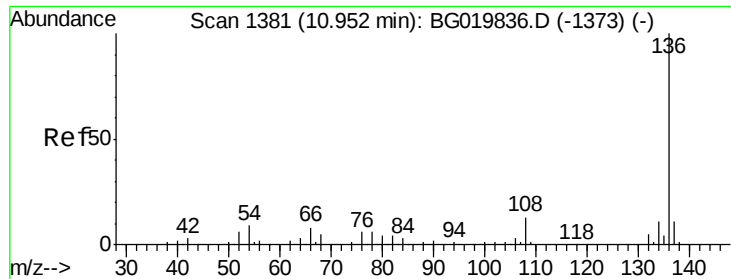
MMdadoda  
12/11/2015 6:02:25 PM



#20  
3+4-Methylphenols  
Concen: 49.63 ng  
RT: 8.87 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 84.2 | 72.2  | 112.2 |       |
| 77      | 38.1 | 13.4  | 53.4  |       |
| 79      | 32.7 | 7.2   | 47.2  |       |





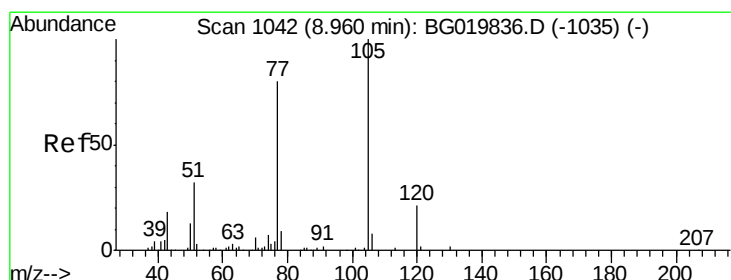
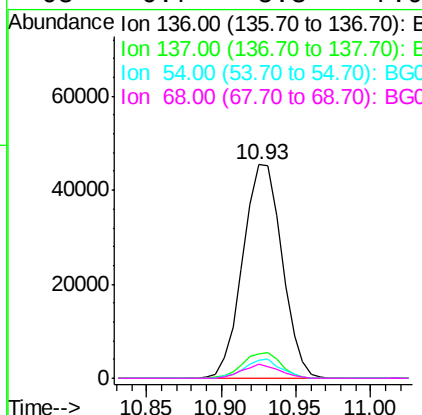
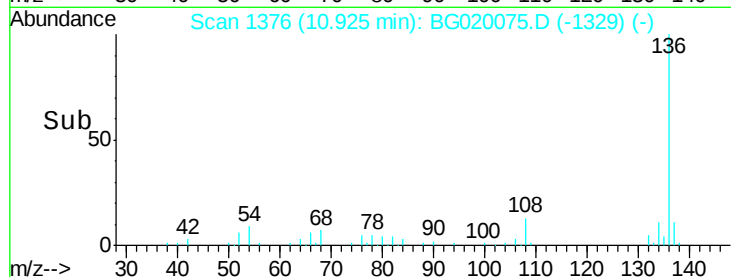
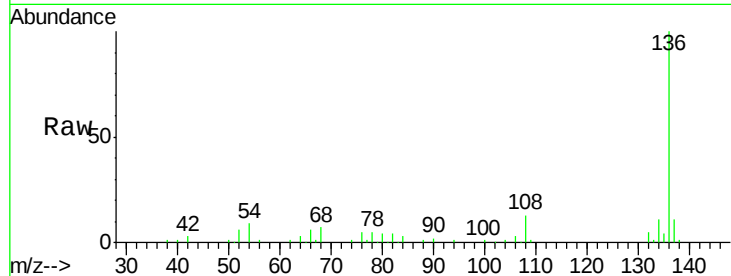
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1376  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.4  | 8.6  | 12.8  |       |
| 54      | 8.6   | 5.4  | 8.2#  |       |
| 68      | 6.7   | 5.3  | 7.9   |       |

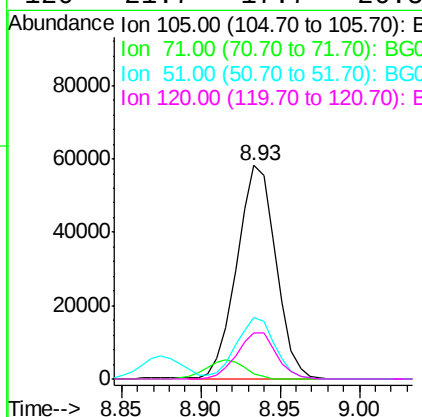
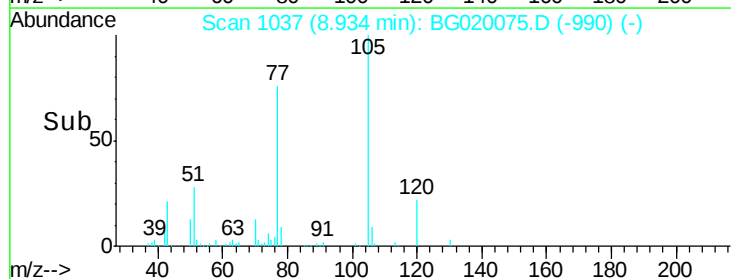
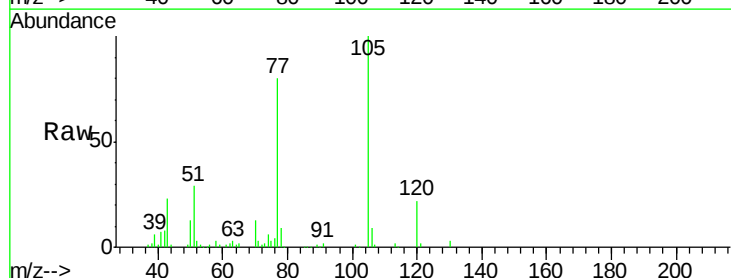
Manual Integrations  
APPROVED

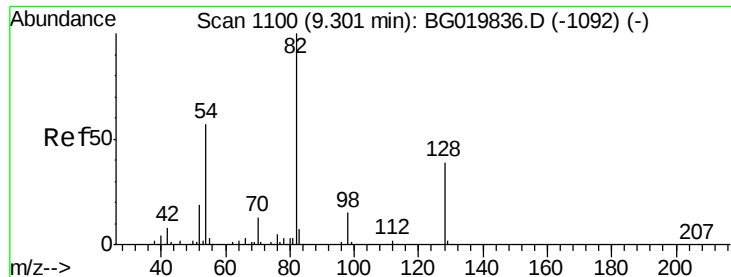
MMdadoda  
12/11/2015 6:02:25 PM



#22  
Acetophenone  
Concen: 43.77 ng  
RT: 8.93 min Scan# 1037  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 2.7   | 2.1  | 3.1   |       |
| 51      | 28.7  | 17.8 | 26.8# |       |
| 120     | 21.7  | 17.7 | 26.5  |       |





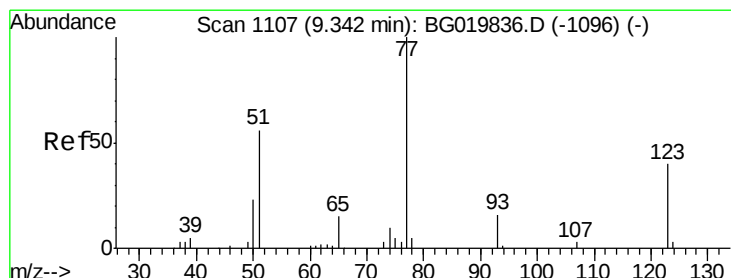
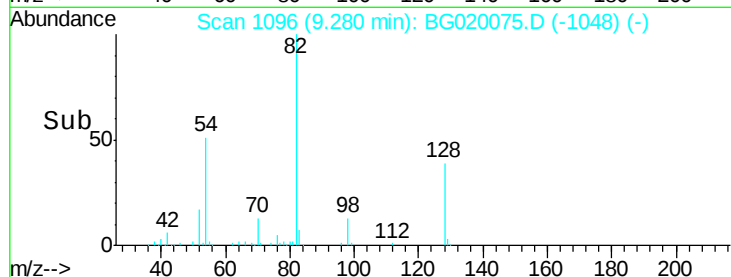
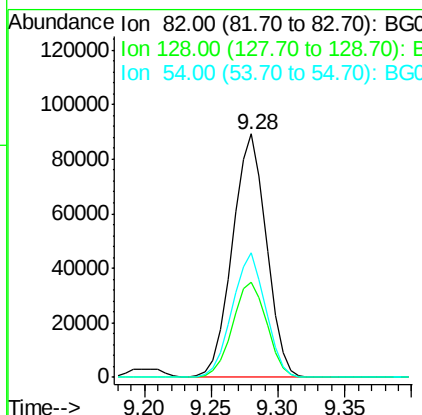
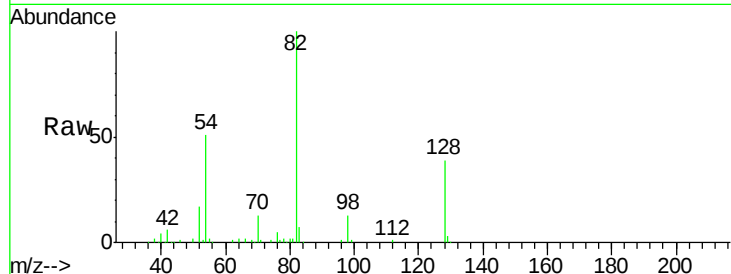
#23  
Nitrobenzene-d5  
Concen: 97.06 ng  
RT: 9.28 min Scan# 1096  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 157531 |       |       |
| 128     | 39.3  | 36.7   | 55.1  |       |
| 54      | 51.4  | 33.8   | 50.8  |       |

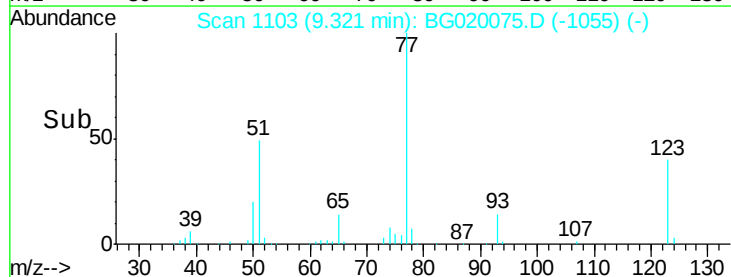
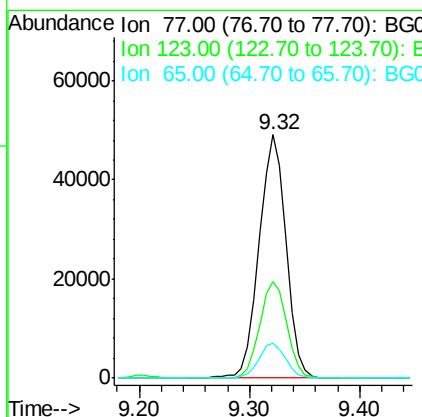
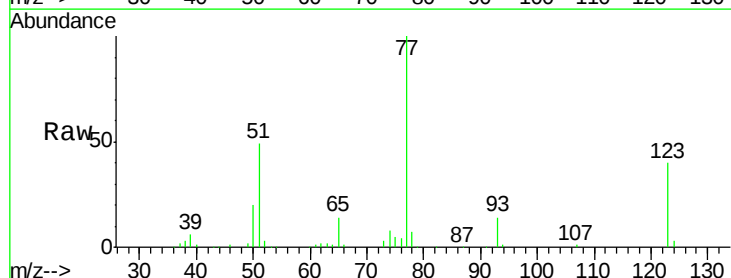
Manual Integrations  
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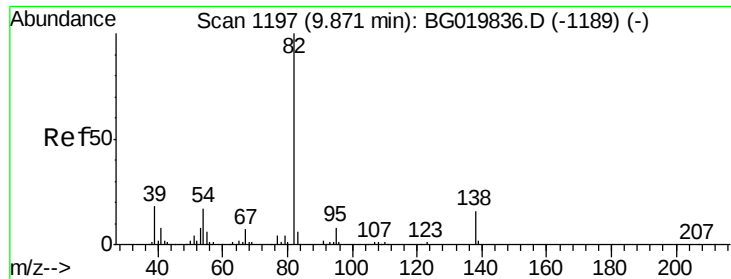
MMdadoda  
12/11/2015 6:02:25 PM



#24  
Nitrobenzene  
Concen: 47.61 ng  
RT: 9.32 min Scan# 1103  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 83820 |       |       |
| 123     | 39.6  | 38.2  | 57.2  |       |
| 65      | 14.2  | 10.6  | 16.0  |       |





#25

Isophorone

Concen: 41.98 ng

RT: 9.84 min Scan# 1192

Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

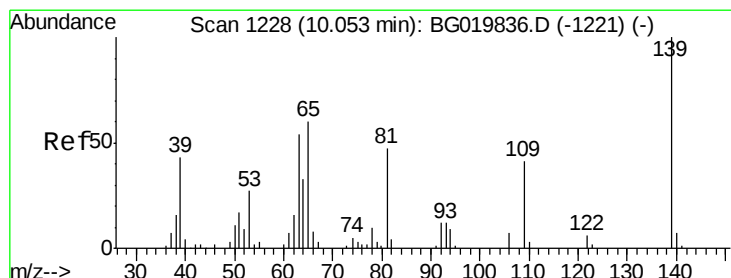
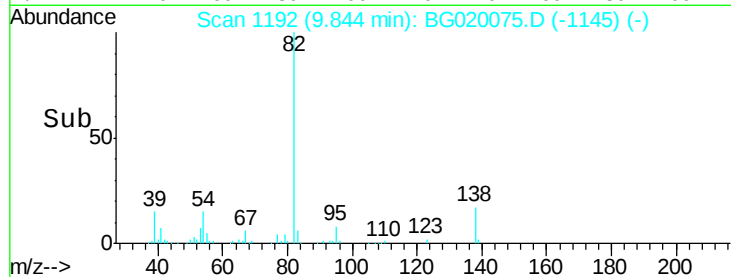
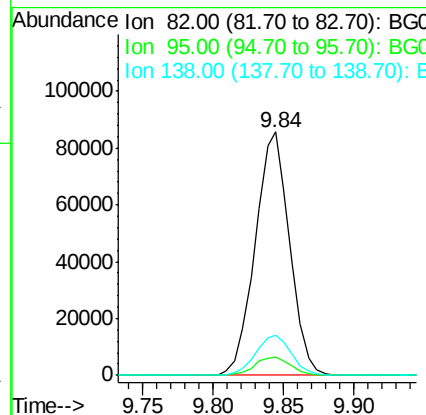
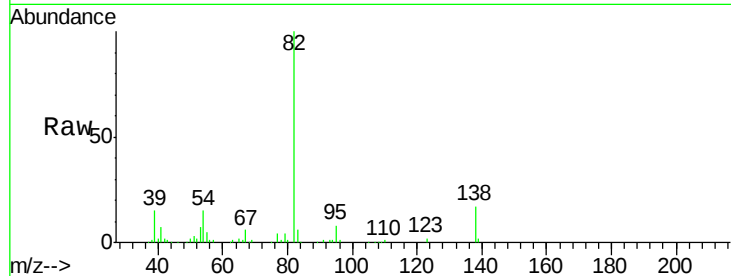
ClientSampleId :

S8-14.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 146076 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.7   | 5.2   | 7.8    |
| 138       | 16.5  | 14.4  | 21.6   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 55.12 ng

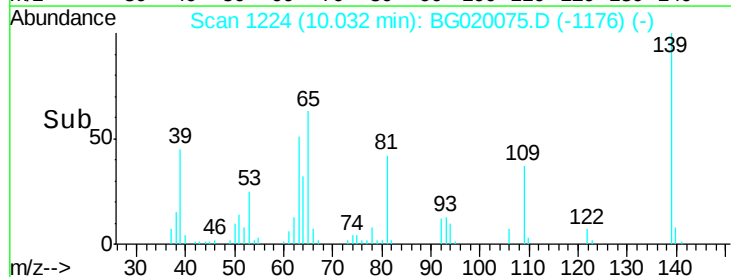
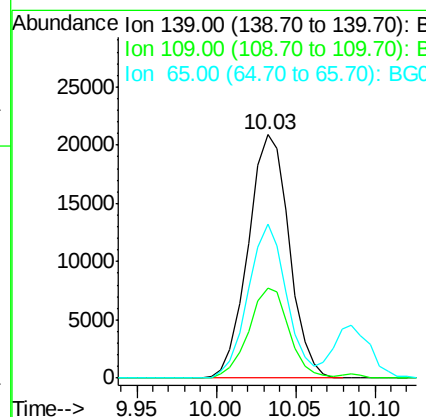
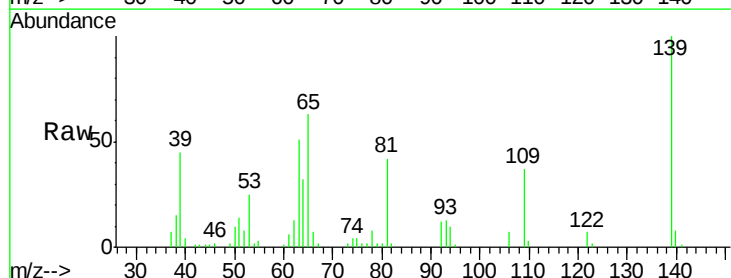
RT: 10.03 min Scan# 1224

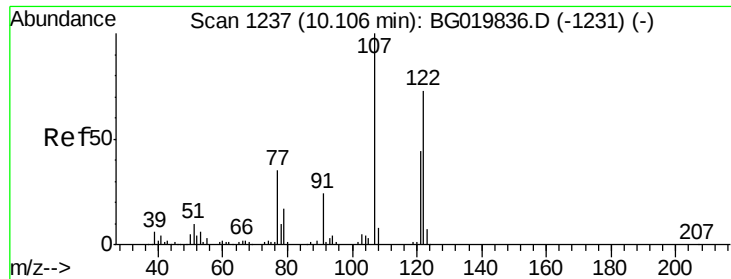
Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 37481 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 37.1  | 20.1  | 30.1# |
| 65        | 63.2  | 34.1  | 51.1# |





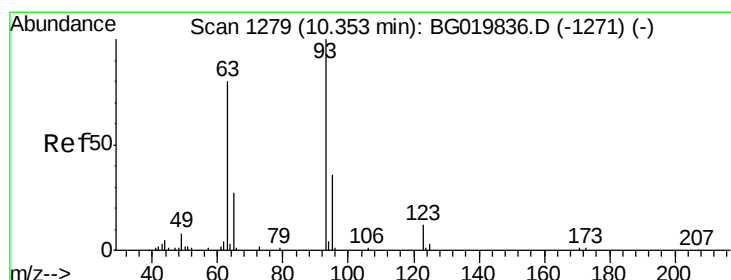
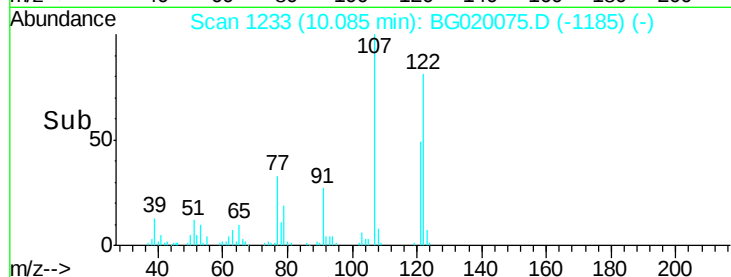
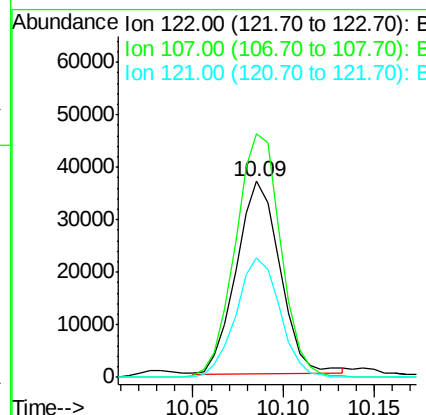
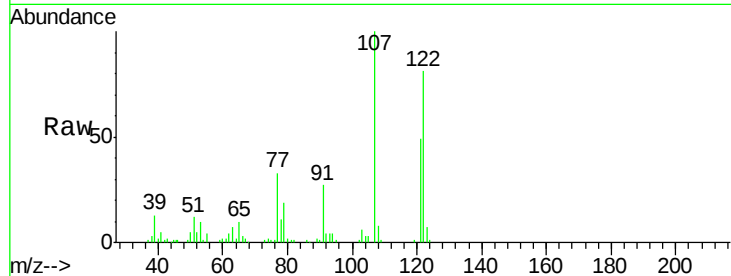
#27  
 2,4-Dimethylphenol  
 Concen: 43.12 ng  
 RT: 10.09 min Scan# 1233  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 61054 |       |       |
| 107     | 124.2 | 91.6  | 137.4 |       |
| 121     | 60.9  | 47.3  | 70.9  |       |

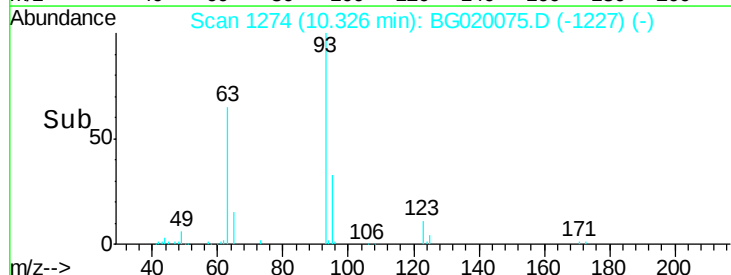
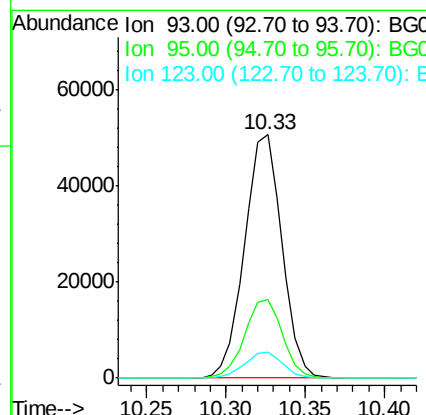
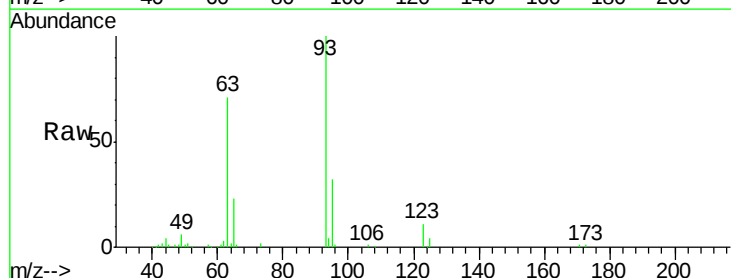
Manual Integrations  
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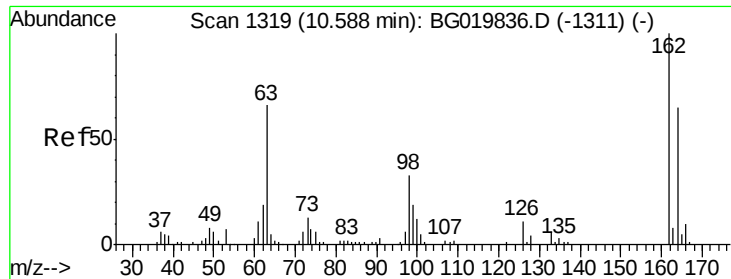
MMdadoda  
 12/11/2015 6:02:25 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 48.82 ng  
 RT: 10.33 min Scan# 1274  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 83010 |       |       |
| 95      | 32.5  | 25.7  | 38.5  |       |
| 123     | 10.7  | 8.6   | 12.8  |       |





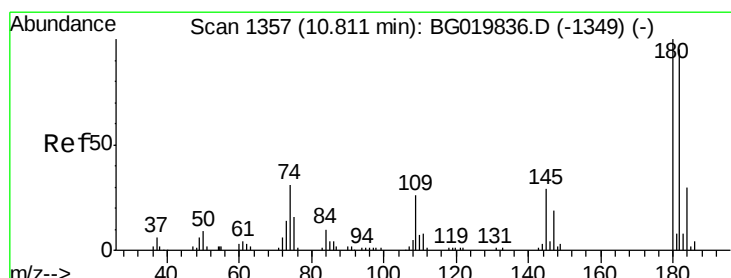
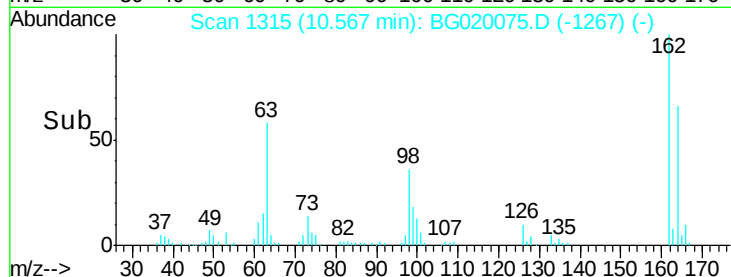
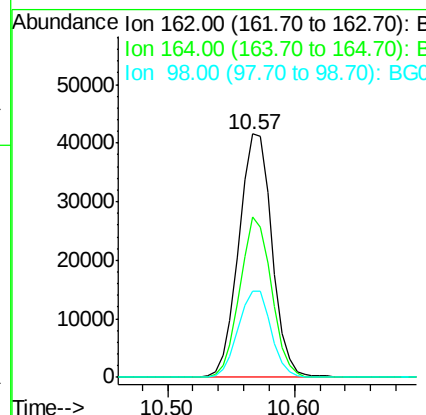
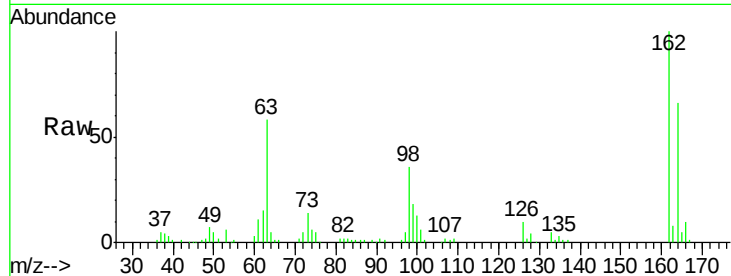
#29  
2,4-Dichlorophenol  
Concen: 52.04 ng  
RT: 10.57 min Scan# 1315  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 162     | 100   | 75268 |       |       |
| 164     | 65.9  | 42.3  | 82.3  |       |
| 98      | 35.5  | 11.5  | 51.5  |       |

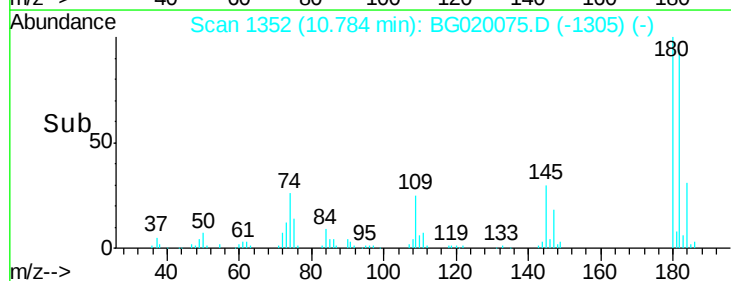
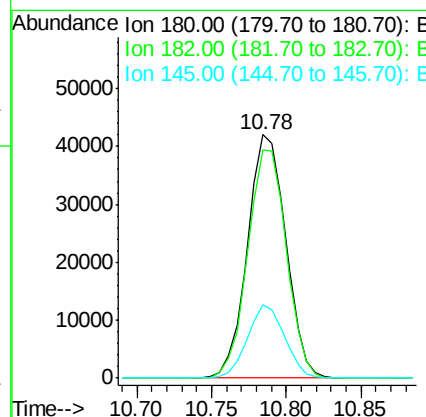
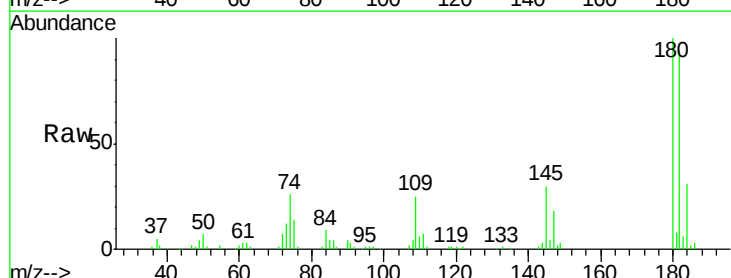
Manual Integrations  
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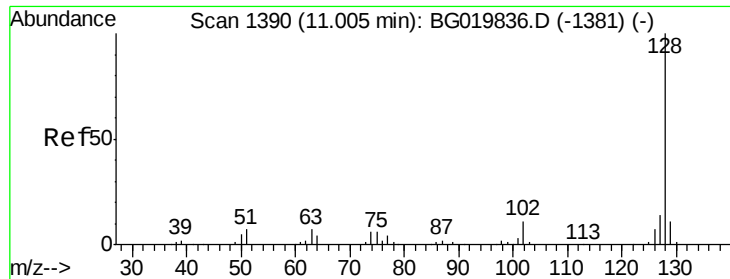
MMdadoda  
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#30  
1,2,4-Trichlorobenzene  
Concen: 45.48 ng  
RT: 10.78 min Scan# 1352  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 74354 |       |       |
| 182     | 93.9  | 79.7  | 119.5 |       |
| 145     | 30.0  | 22.0  | 33.0  |       |





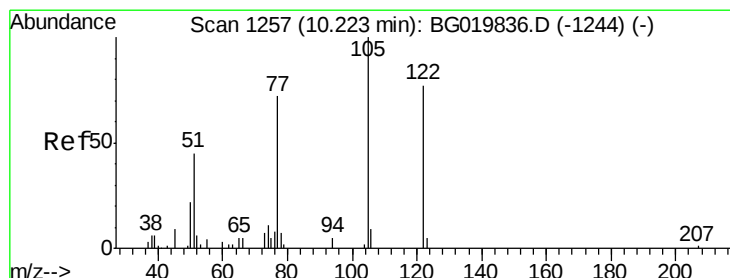
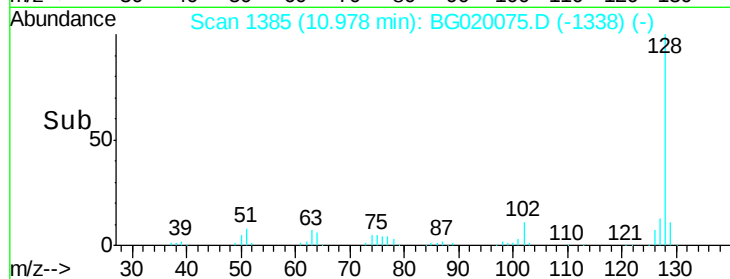
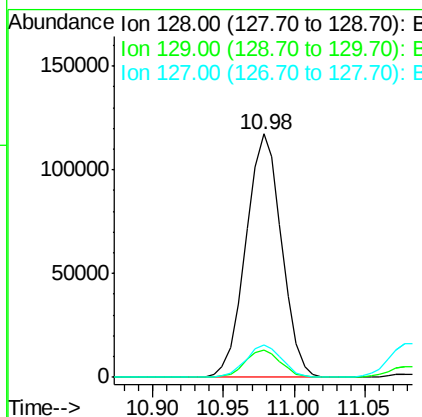
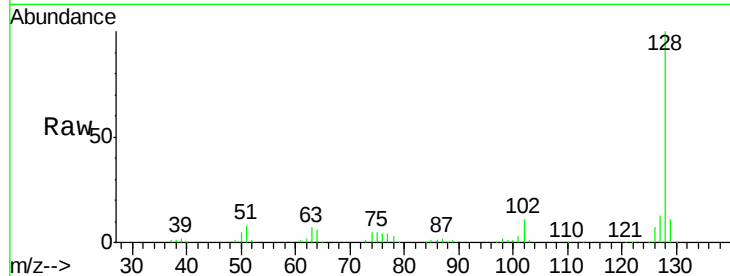
#31  
Naphthalene  
Concen: 46.84 ng  
RT: 10.98 min Scan# 1385  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 8.5   | 12.7  |
| 127     | 13.4  | 10.6  | 16.0  |

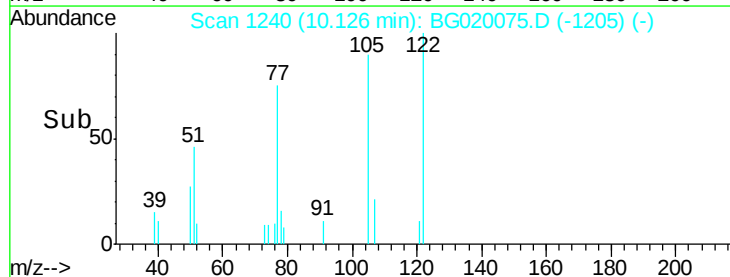
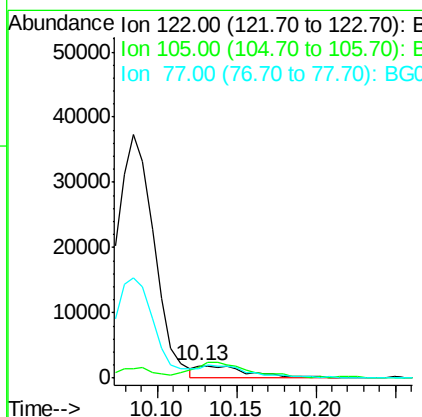
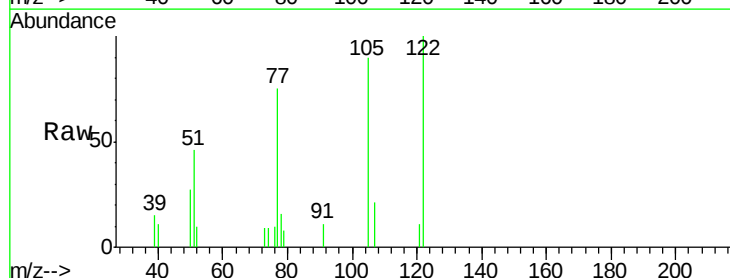
Manual Integrations  
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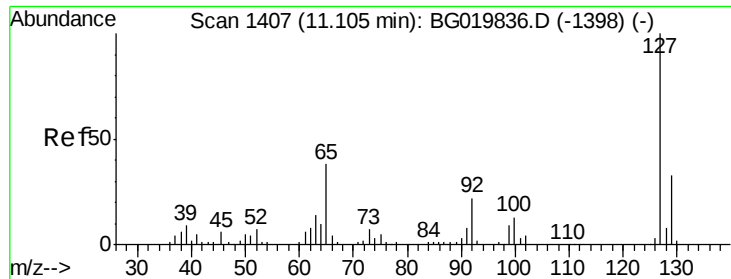
MMdadoda  
12/11/2015 6:02:25 PM



#32  
Benzoic acid  
Concen: 10.03 ng m  
RT: 10.13 min Scan# 1240  
Delta R.T. -0.10 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 90.1  | 103.8 | 143.8# |
| 77      | 75.4  | 68.8  | 108.8  |





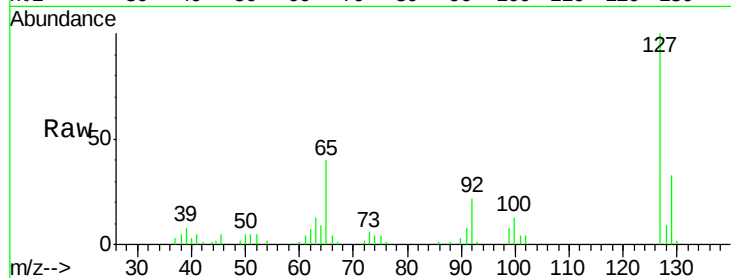
#33  
4-Chloroaniline  
Concen: 15.58 ng  
RT: 11.08 min Scan# 1402  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

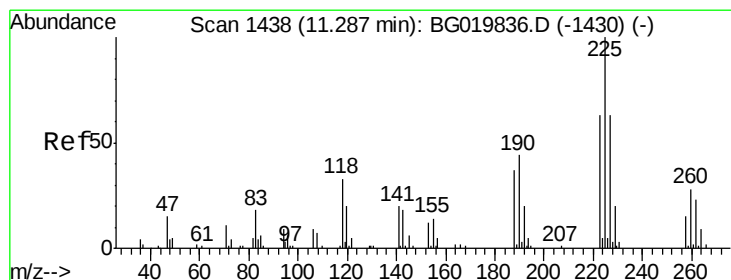
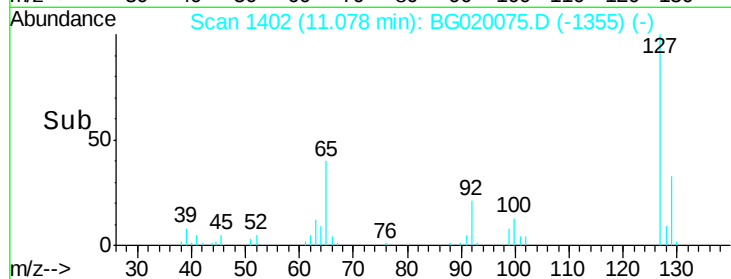
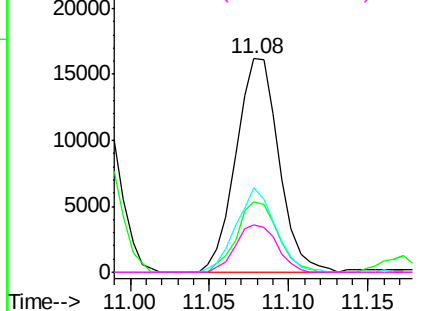
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.7  | 24.6  | 37.0  |
| 65      | 39.6  | 22.6  | 33.8  |
| 92      | 22.1  | 15.1  | 22.7  |

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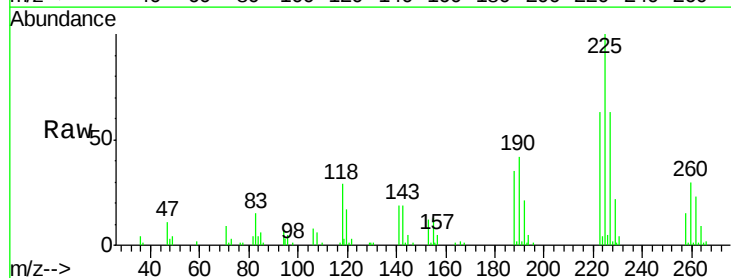


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

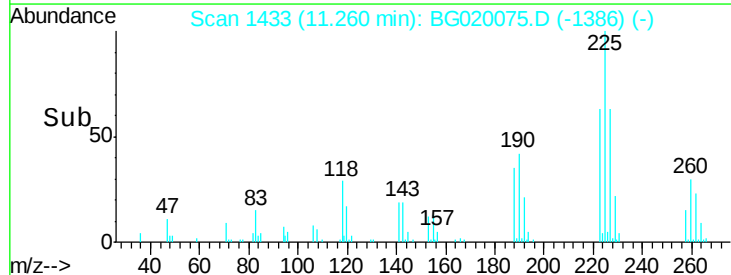
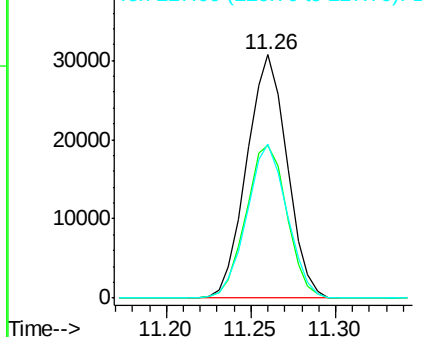


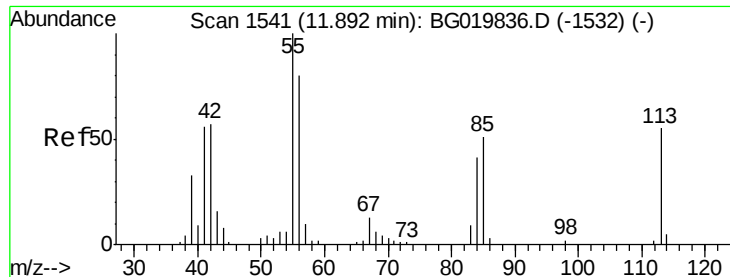
#34  
Hexachlorobutadiene  
Concen: 42.33 ng  
RT: 11.26 min Scan# 1433  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 51.0  | 76.4  |
| 227     | 63.1  | 51.8  | 77.8  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 45.14 ng/ml

RT: 11.86 min Scan# 1535

Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

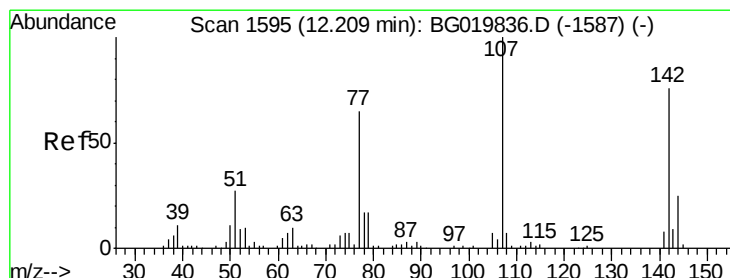
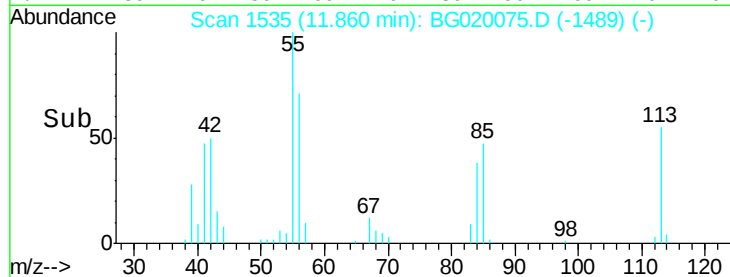
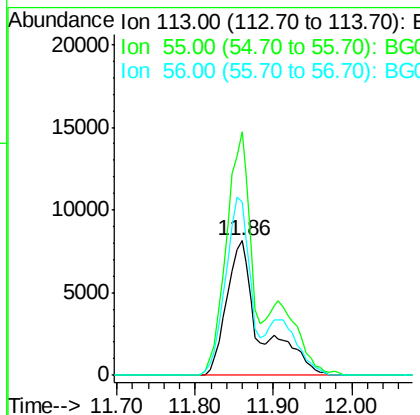
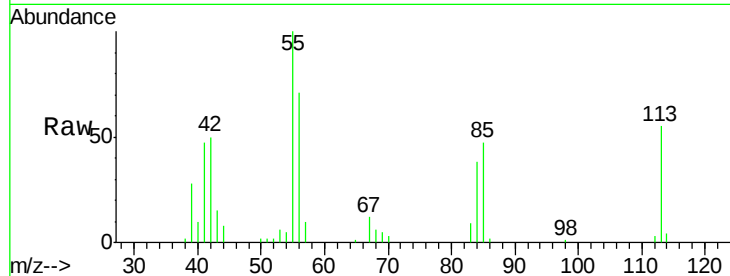
ClientSampleId :

S8-14.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 24304  |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 181.1 | 135.0 | 175.0# |
| 56        | 128.5 | 83.4  | 123.4# |

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12/11/2015 6:02:25 PM



#36

4-Chloro-3-methylphenol

Concen: 47.69 ng/ml

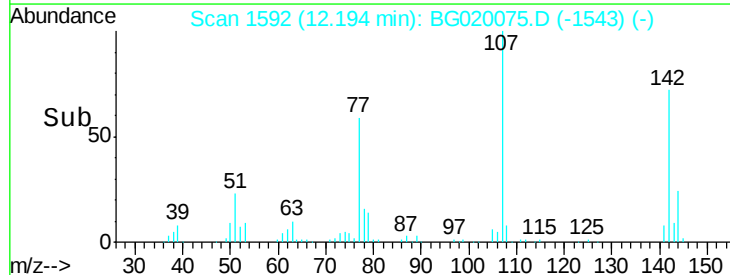
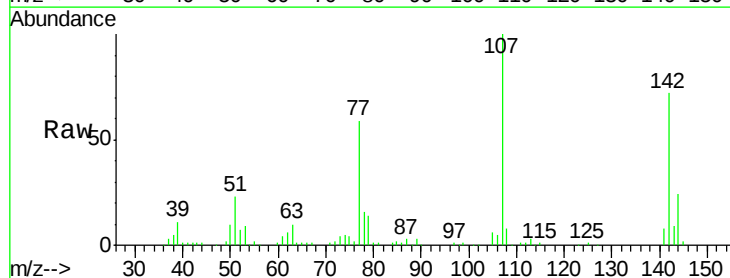
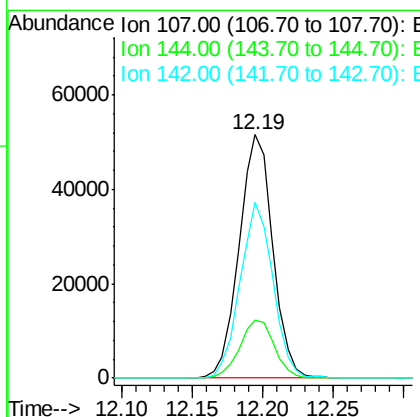
RT: 12.19 min Scan# 1592

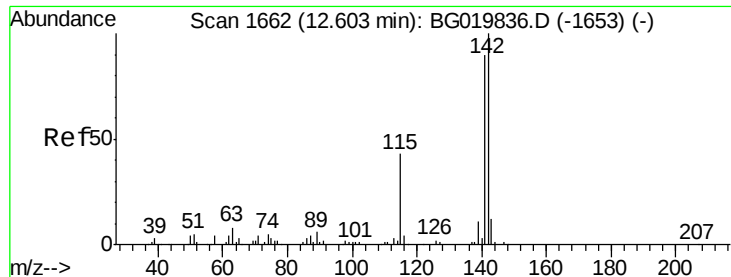
Delta R.T. -0.01 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 85911 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 23.6  | 20.6  | 31.0  |
| 142       | 72.0  | 62.6  | 93.8  |





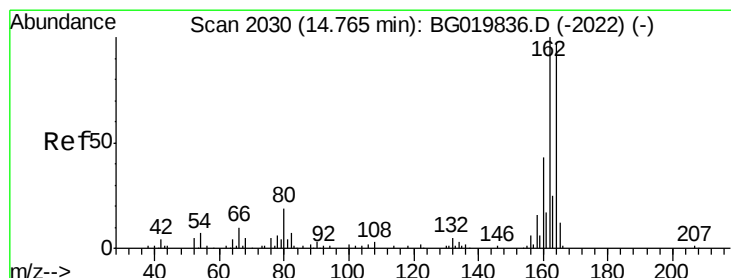
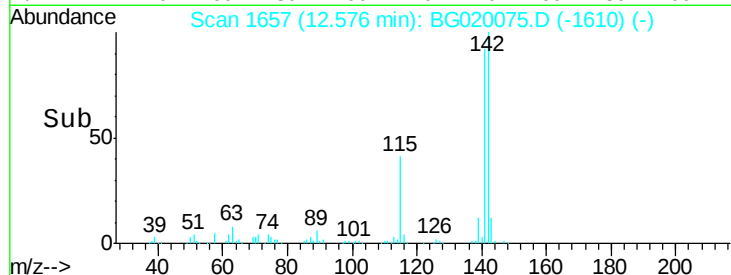
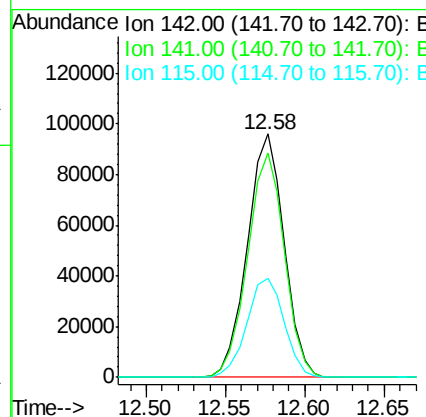
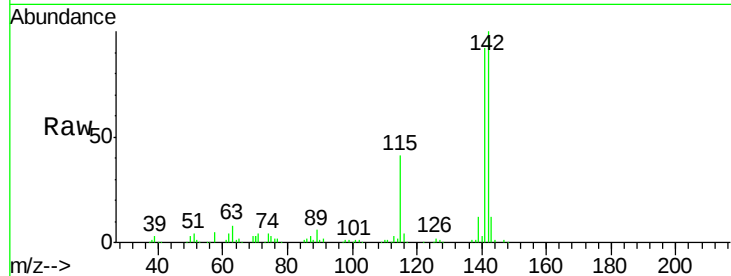
#37  
2-Methylnaphthalene  
Concen: 47.55 ng  
RT: 12.58 min Scan# 1657  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.4  | 74.6  | 112.0 |
| 115     | 40.9  | 27.4  | 41.0  |

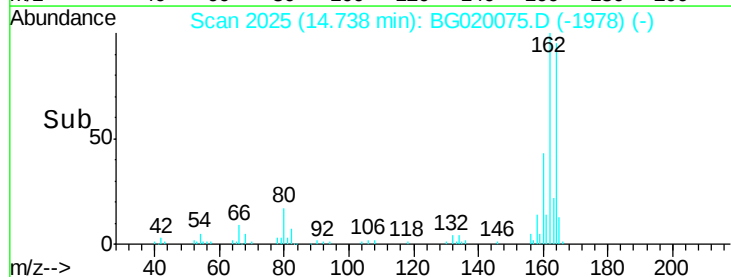
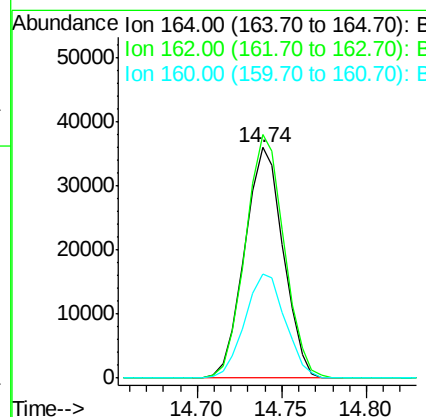
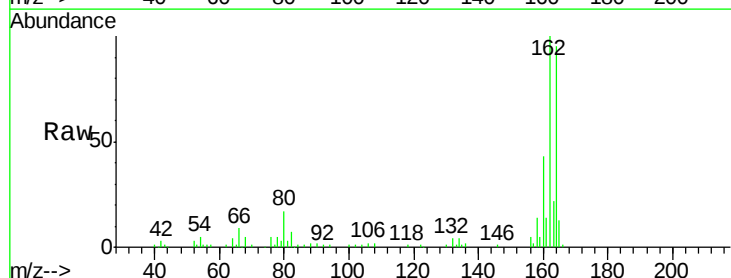
Manual Integrations  
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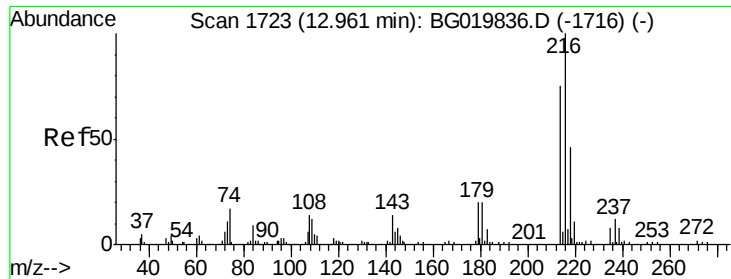
MMdadoda  
12/11/2015 6:02:25 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 2025  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.8 | 78.8  | 118.2 |
| 160     | 45.1  | 36.4  | 54.6  |





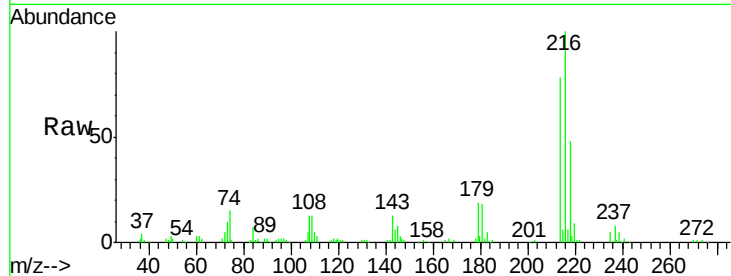
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 46.43 ng  
 RT: 12.94 min Scan# 1719  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

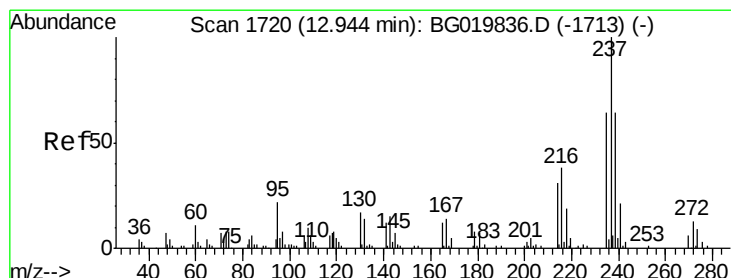
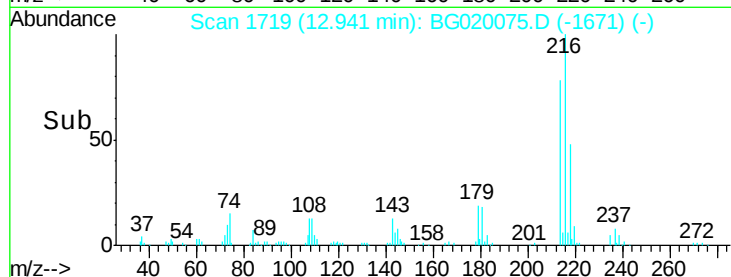
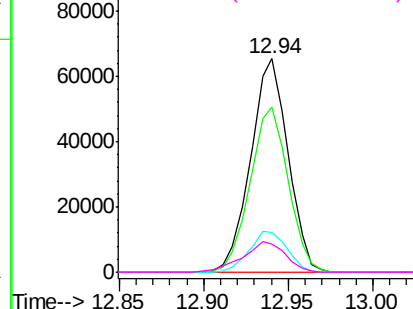
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 216     | 100  |       |      |       |       |
| 214     | 79.0 | 62.5  | 93.7 |       |       |
| 179     | 19.4 | 15.6  | 23.4 |       |       |
| 108     | 16.4 | 13.3  | 19.9 |       |       |

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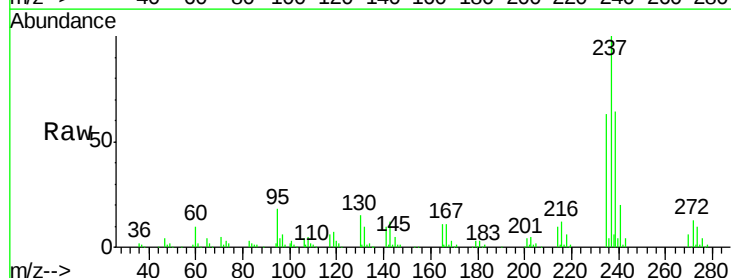


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

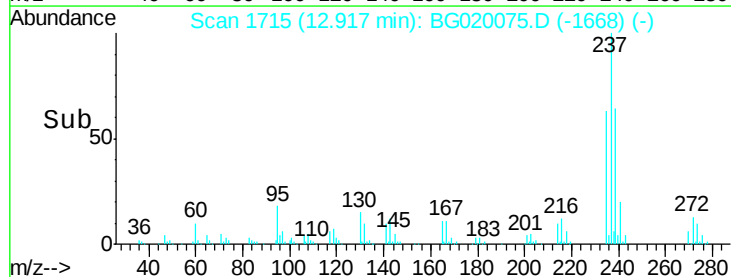
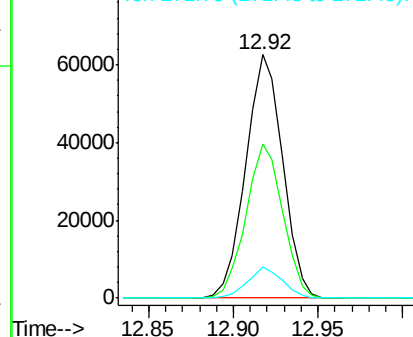


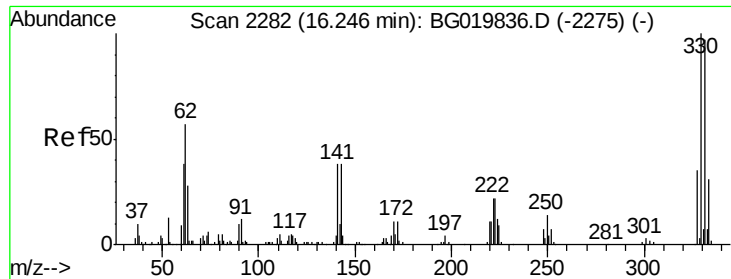
#40  
 Hexachlorocyclopentadiene  
 Concen: 77.03 ng  
 RT: 12.92 min Scan# 1715  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 237     | 100  |       |      |       |       |
| 235     | 63.3 | 44.6  | 84.6 |       |       |
| 272     | 12.6 | 0.0   | 32.8 |       |       |



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





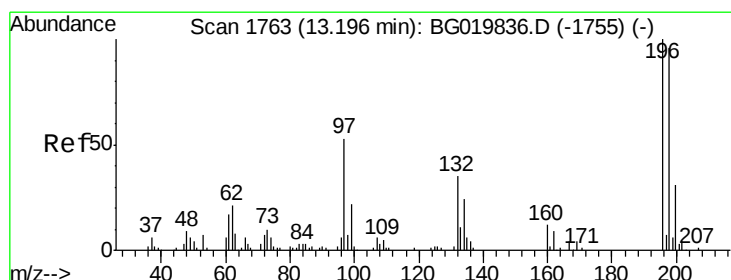
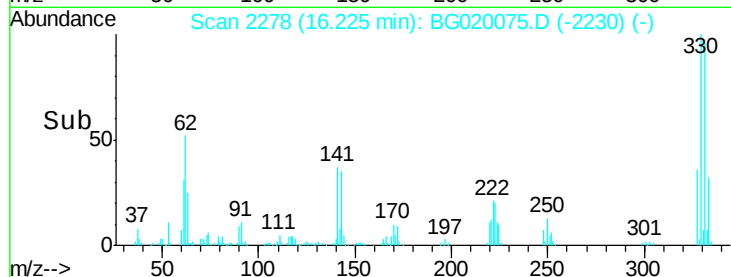
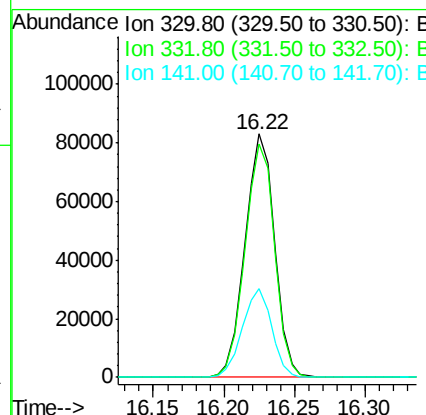
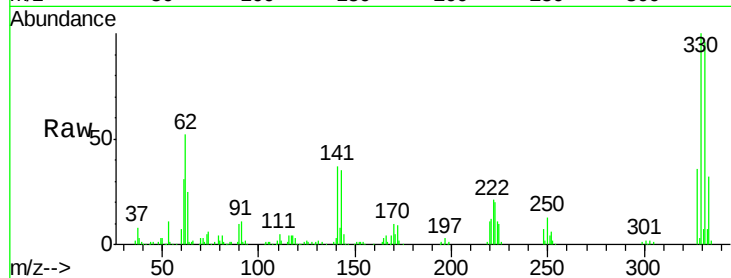
#41  
 2,4,6-Tribromophenol  
 Concen: 139.57 ng  
 RT: 16.22 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 122098 |       |       |
| 332     | 95.9  | 78.1   | 117.1 |       |
| 141     | 36.3  | 28.2   | 42.2  |       |

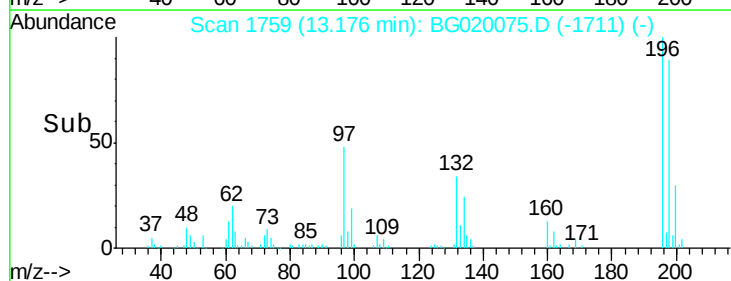
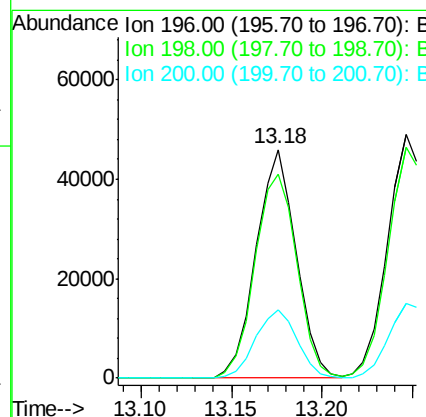
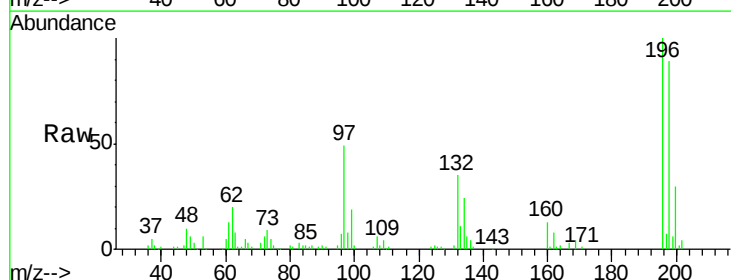
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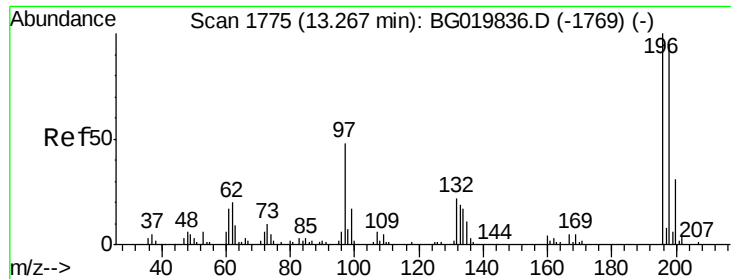
MMdadoda  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 49.14 ng  
 RT: 13.18 min Scan# 1759  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 70596 |       |       |
| 198     | 89.3  | 74.7  | 112.1 |       |
| 200     | 29.7  | 24.1  | 36.1  |       |





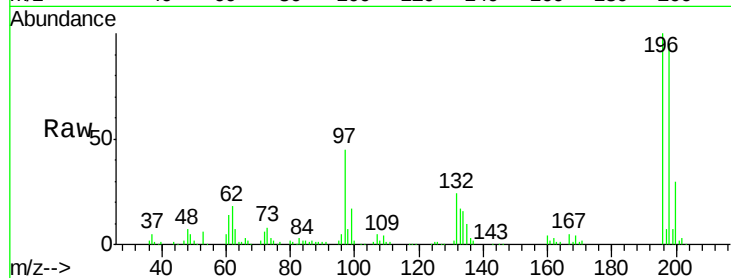
#43  
 2,4,5-Trichlorophenol  
 Concen: 51.38 ng  
 RT: 13.25 min Scan# 1771  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

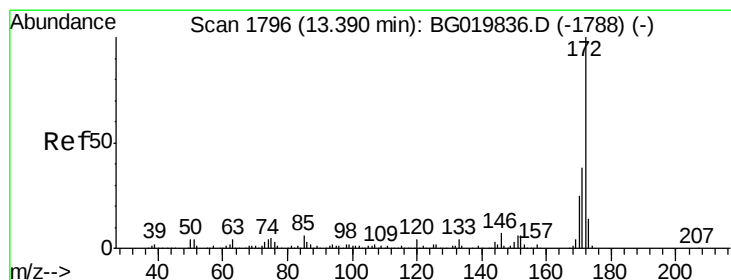
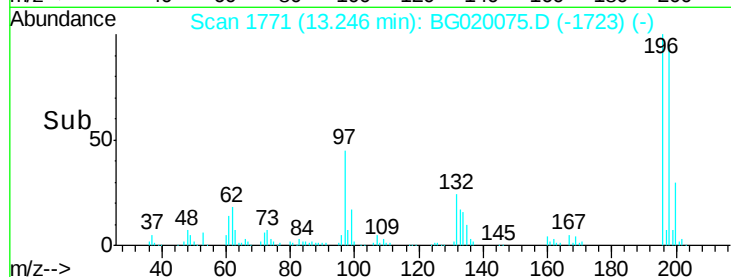
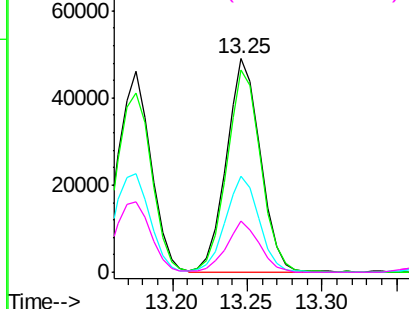
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 196   | Resp: | 78007 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 94.7  | 75.2  | 112.8 |
| 97        | 45.2  | 34.2  | 51.2  |
| 132       | 23.9  | 21.8  | 32.6  |

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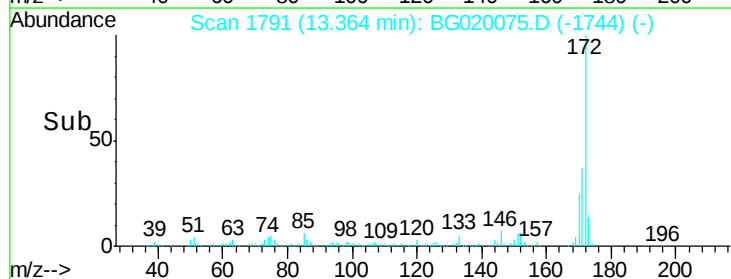
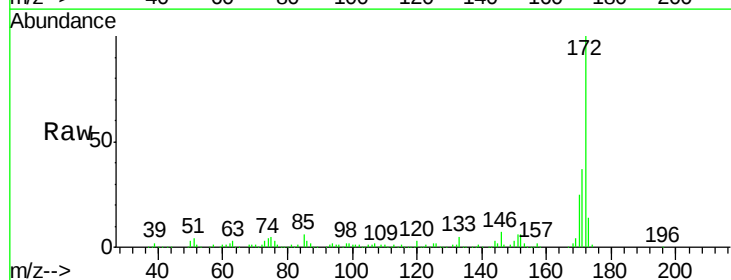
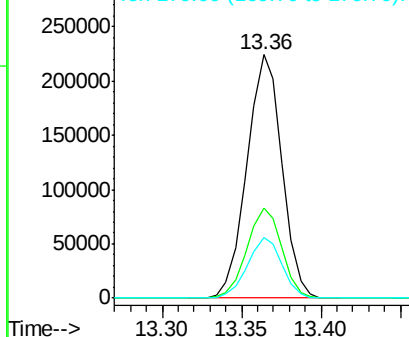
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BGC  
 Ion 132.00 (131.70 to 132.70): E

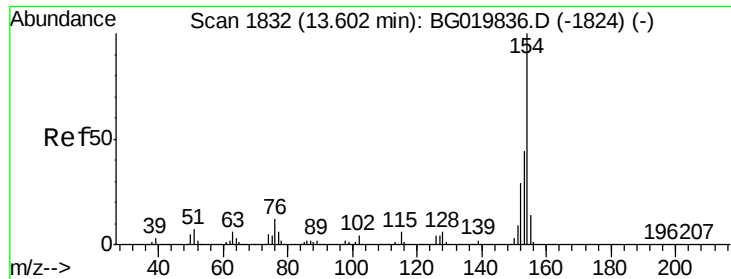


#44  
 2-Fluorobiphenyl  
 Concen: 82.07 ng  
 RT: 13.36 min Scan# 1791  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 343648 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 36.8  | 29.0  | 43.6   |
| 170       | 24.7  | 19.9  | 29.9   |

Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





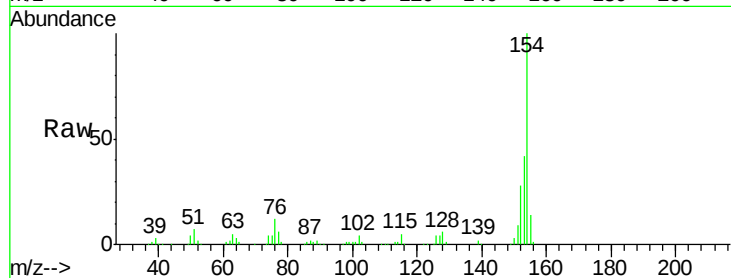
#45  
 1,1'-Biphenyl  
 Concen: 44.35 ng  
 RT: 13.58 min Scan# 1827  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

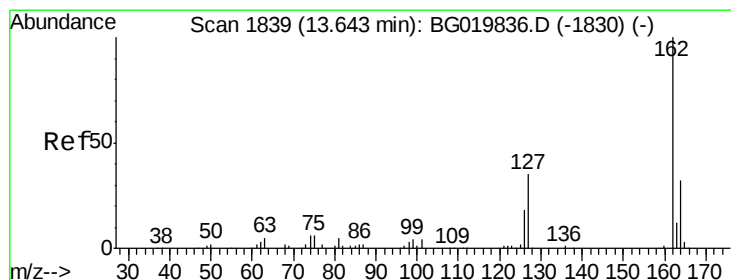
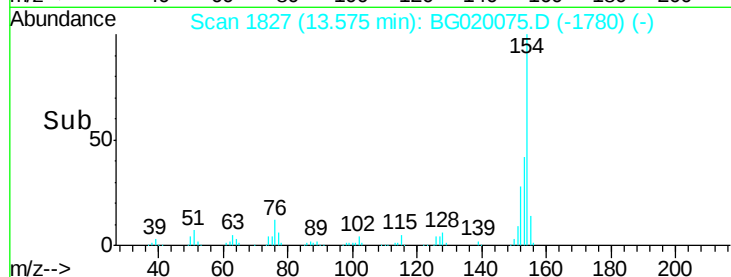
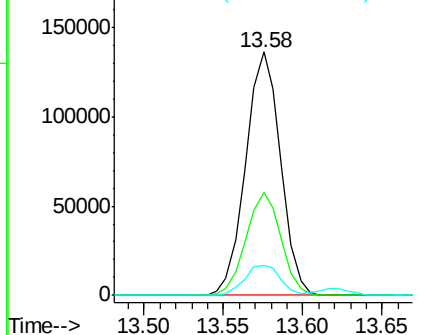
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 42.4  | 21.9 | 61.9  |       |
| 76      | 12.4  | 0.0  | 33.2  |       |

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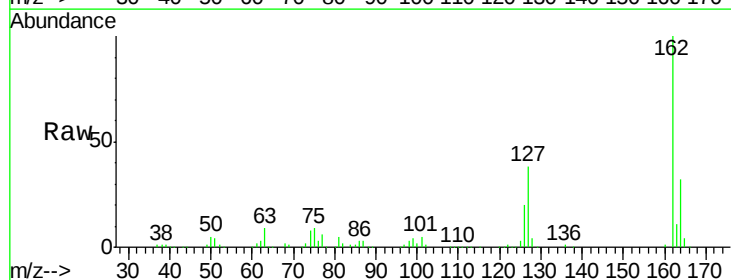


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

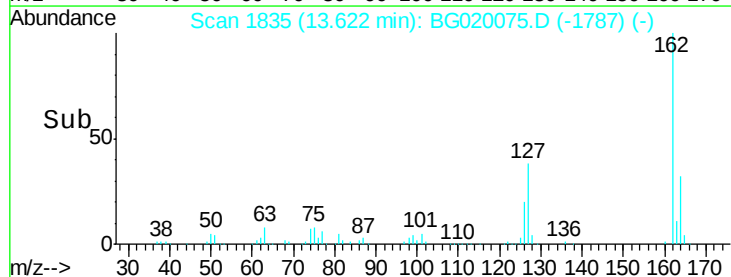
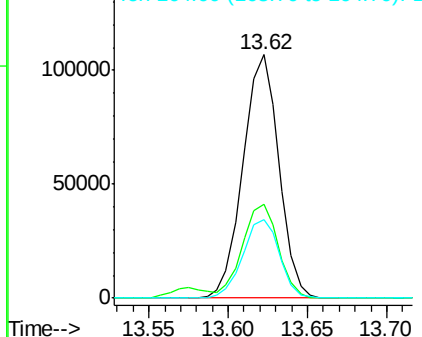


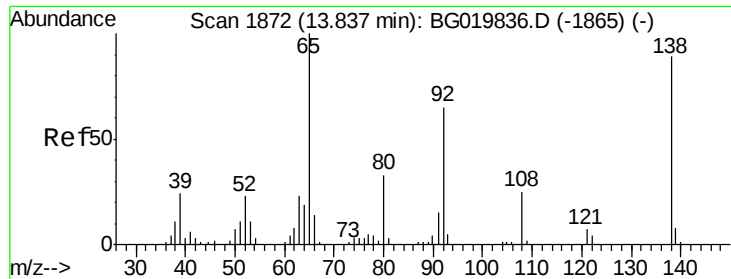
#46  
 2-Chloronaphthalene  
 Concen: 46.46 ng  
 RT: 13.62 min Scan# 1835  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 38.5  | 28.3 | 42.5  |       |
| 164     | 32.4  | 27.4 | 41.0  |       |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





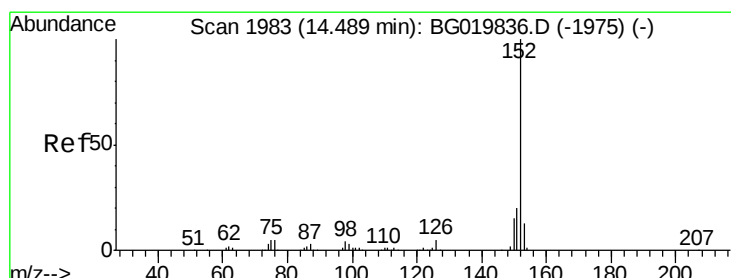
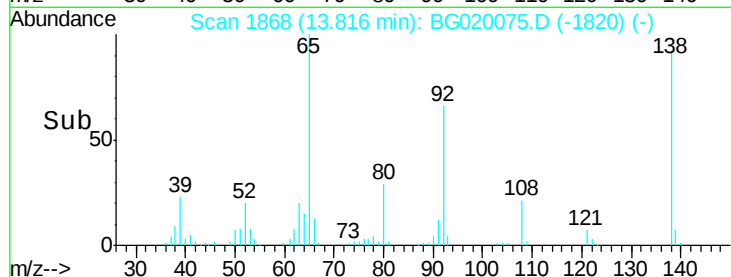
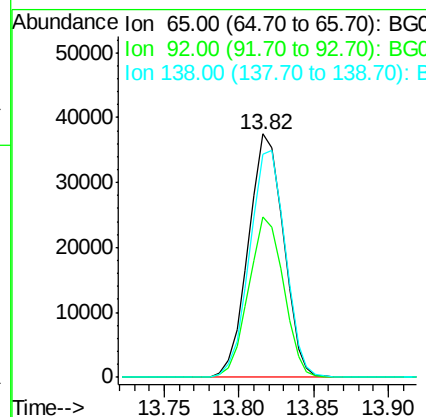
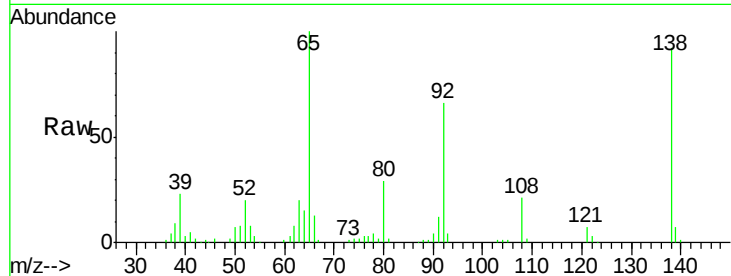
#47  
2-Nitroaniline  
Concen: 53.58 ng  
RT: 13.82 min Scan# 1868  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.9  | 54.8  | 82.2  |
| 138     | 91.8  | 89.6  | 134.4 |

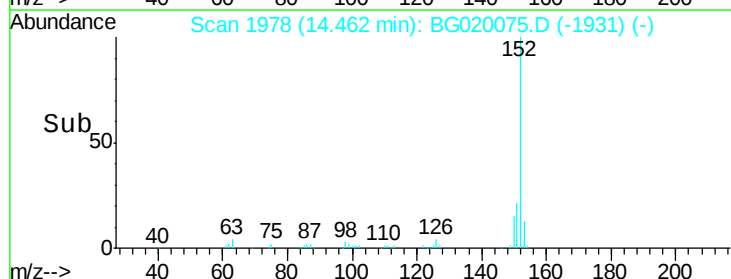
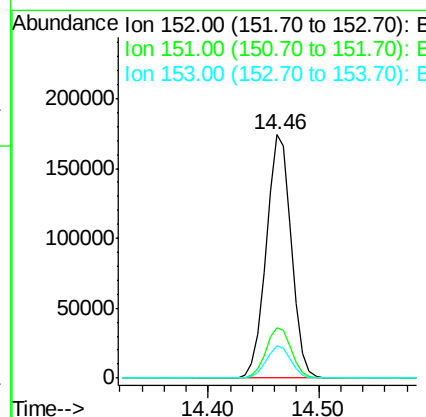
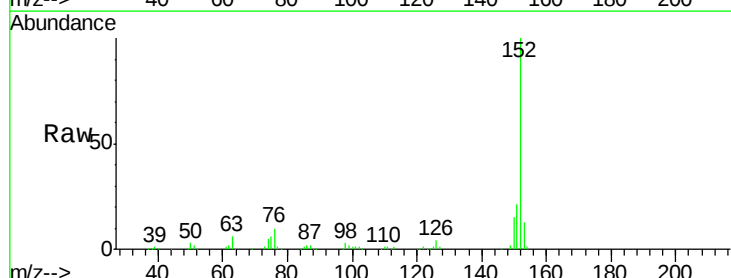
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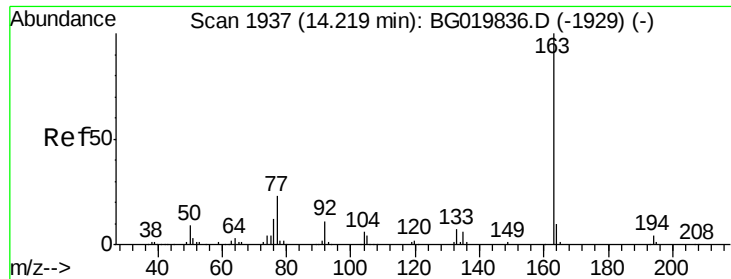
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12/11/2015 6:02:25 PM



#48  
Acenaphthylene  
Concen: 44.85 ng  
RT: 14.46 min Scan# 1978  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.9  | 17.0  | 25.4  |
| 153     | 13.3  | 10.4  | 15.6  |





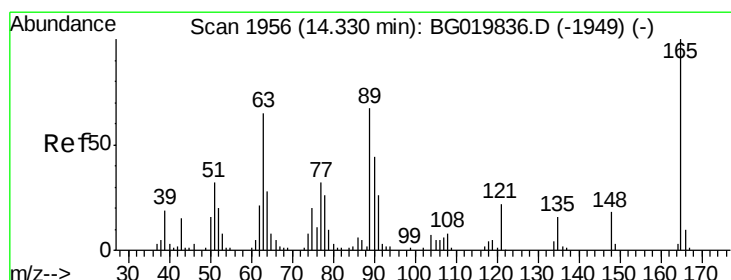
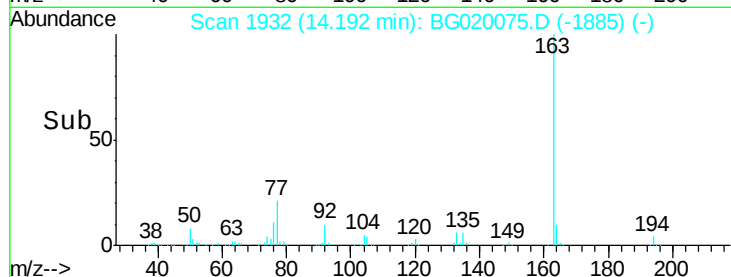
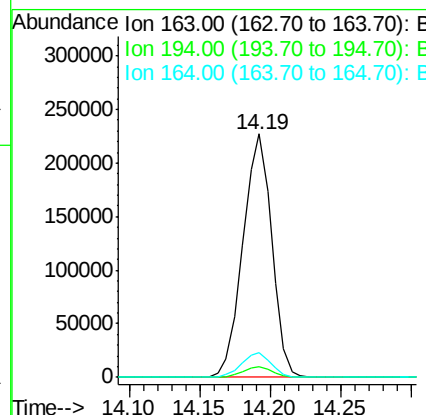
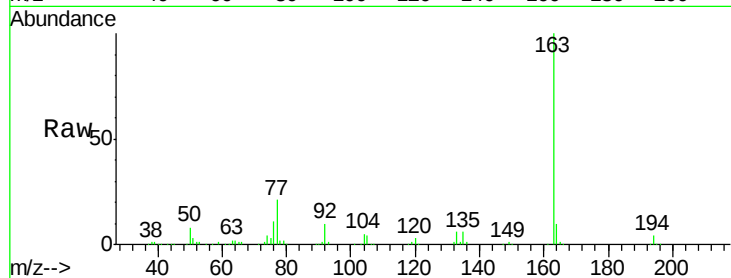
#49  
Dimethylphthalate  
Concen: 62.92 ng  
RT: 14.19 min Scan# 1932  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 323617 |       |       |
| 194     | 4.4   |        | 3.1   | 4.7   |
| 164     | 10.3  |        | 8.8   | 13.2  |

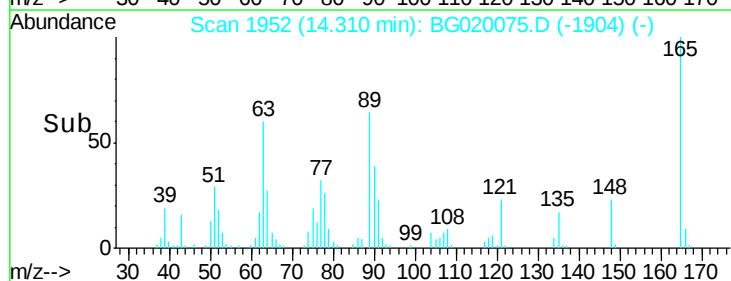
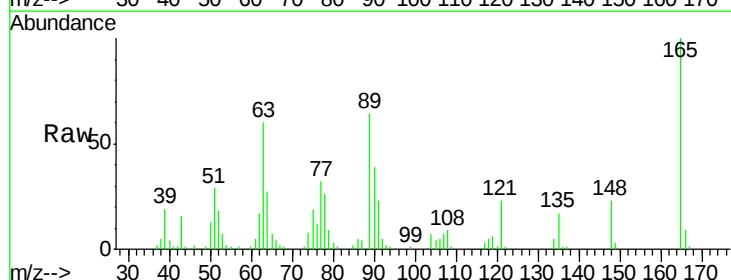
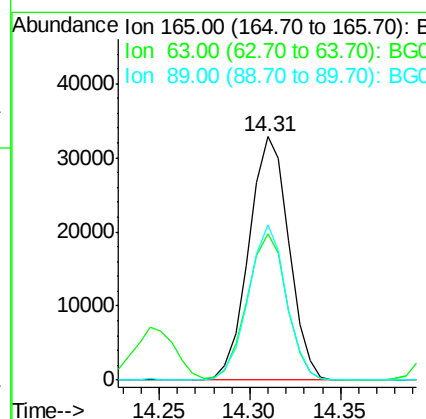
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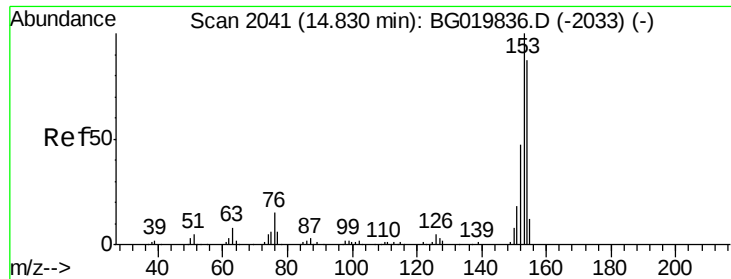
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#50  
2,6-Dinitrotoluene  
Concen: 52.02 ng  
RT: 14.31 min Scan# 1952  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 50303 |       |       |
| 63      | 60.1  |       | 35.7  | 53.5# |
| 89      | 63.9  |       | 39.7  | 59.5# |





#51

Acenaphthene

Concen: 44.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

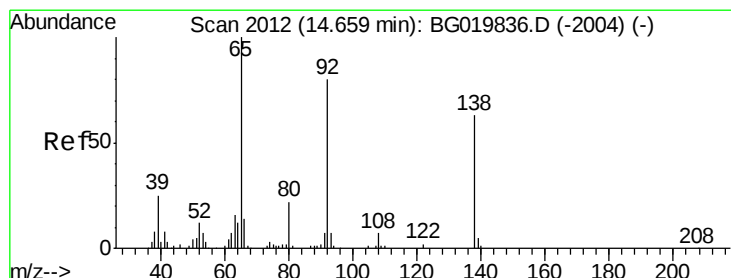
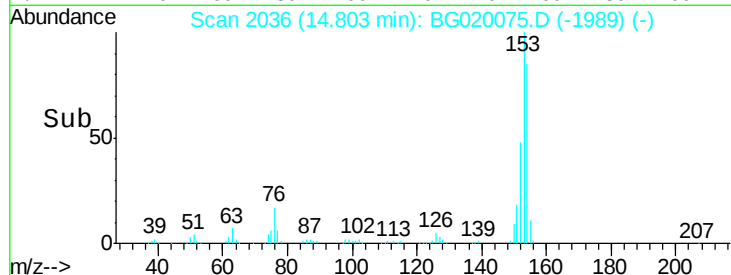
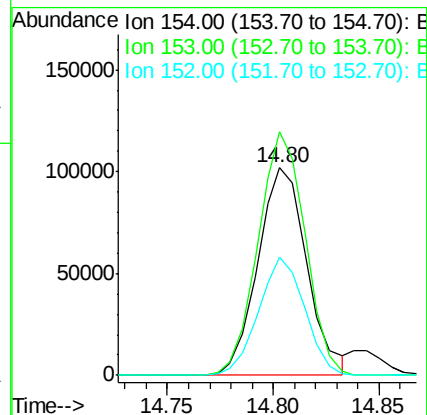
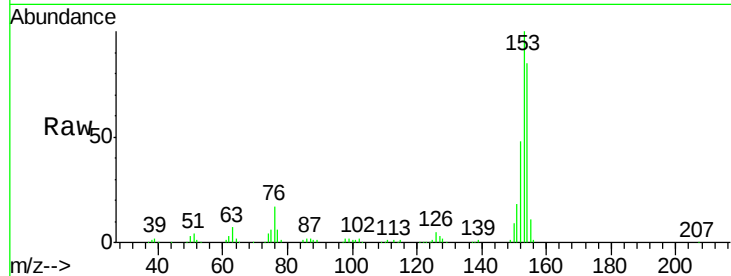
ClientSampleId :

S8-14.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 164466 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 117.5 | 92.9  | 139.3  |
| 152       | 56.8  | 45.8  | 68.8   |

Manual Integrations  
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#52

3-Nitroaniline

Concen: 35.39 ng

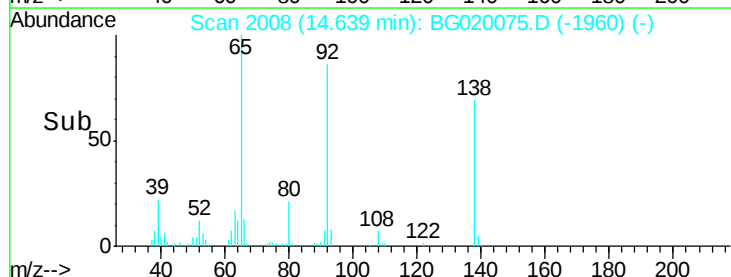
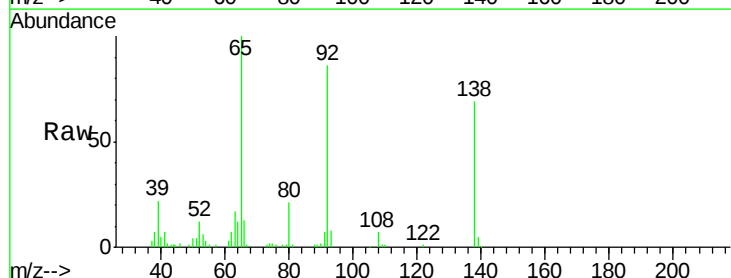
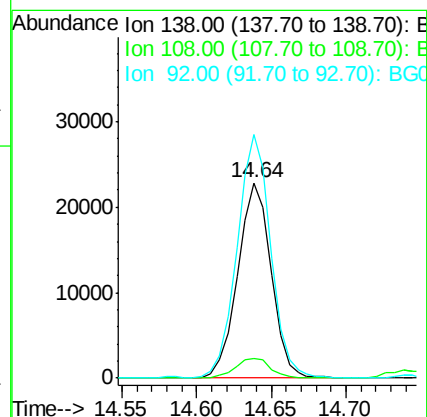
RT: 14.64 min Scan# 2008

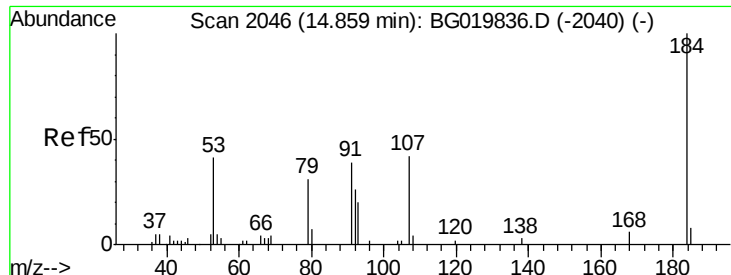
Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 35550 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.8   | 7.9   | 11.9  |
| 92        | 124.9 | 94.2  | 141.4 |





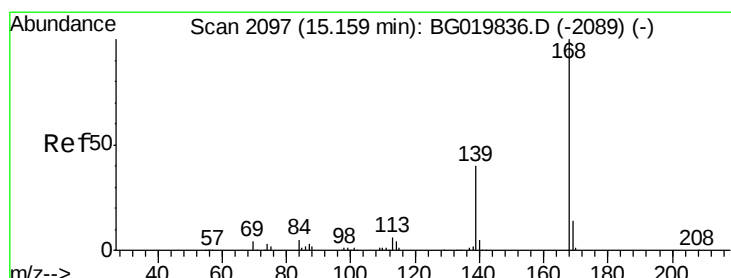
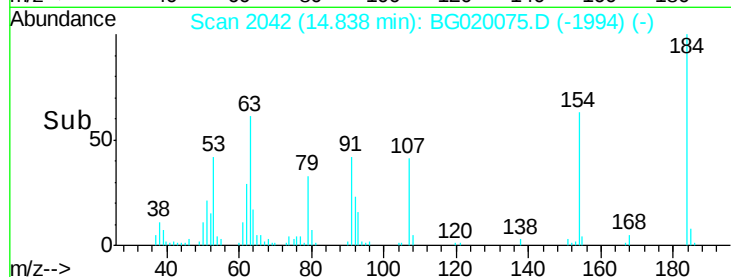
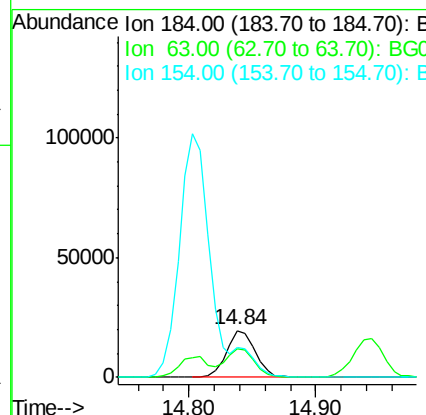
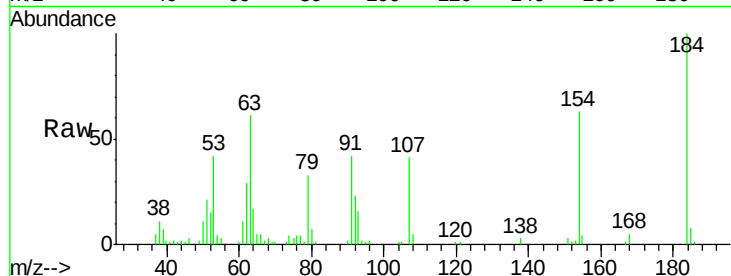
#53  
2,4-Dinitrophenol  
Concen: 62.00 ng  
RT: 14.84 min Scan# 2042  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 61.4  | 42.7 | 64.1  |       |
| 154     | 63.3  | 44.3 | 66.5  |       |

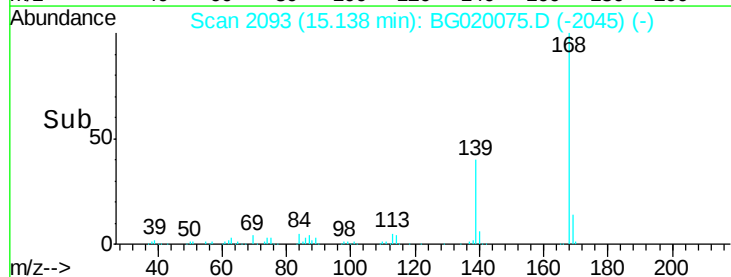
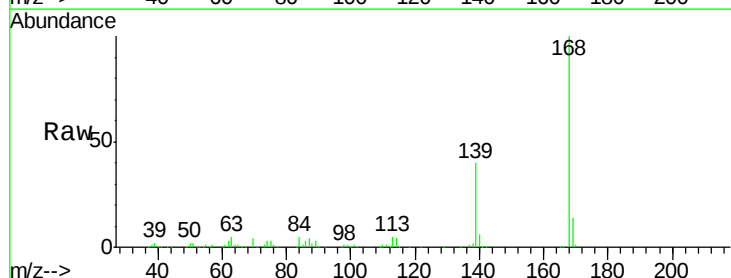
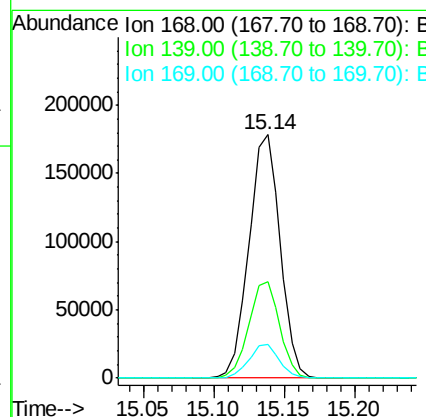
Manual Integrations  
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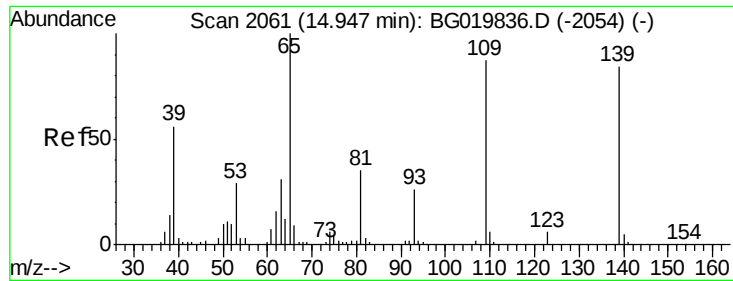
MMdadoda  
12/11/2015 6:02:25 PM



#54  
Dibenzofuran  
Concen: 49.68 ng  
RT: 15.14 min Scan# 2093  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 39.5  | 27.4 | 41.0  |       |
| 169     | 13.7  | 11.0 | 16.4  |       |





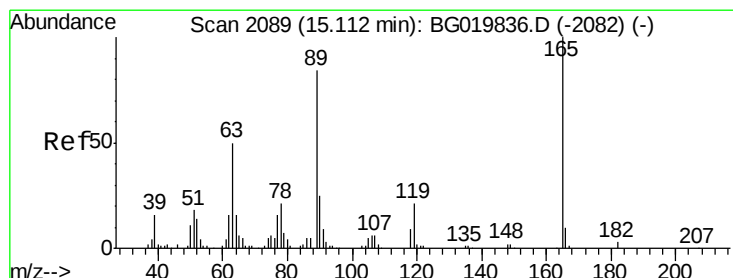
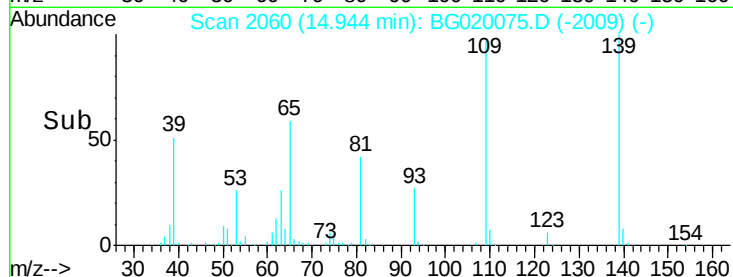
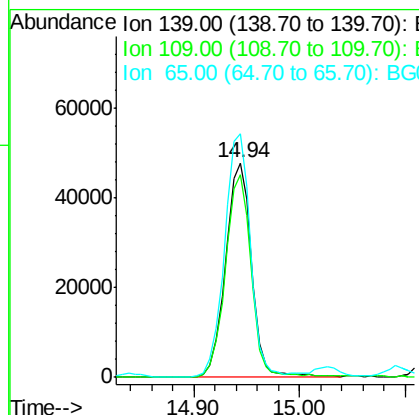
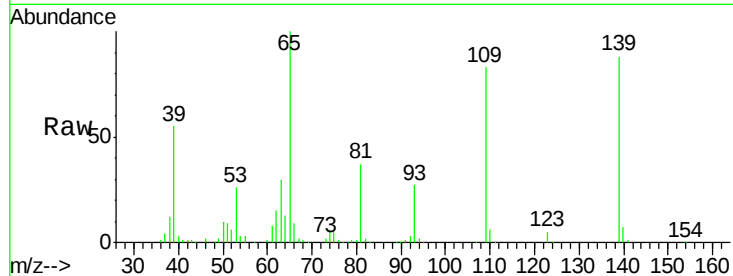
#55  
4-Nitrophenol  
Concen: 92.75 ng  
RT: 14.94 min Scan# 2060  
Delta R.T. -0.00 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 139     | 100   |      |        |       |
| 109     | 94.7  | 43.2 | 83.2#  |       |
| 65      | 113.4 | 67.8 | 107.8# |       |

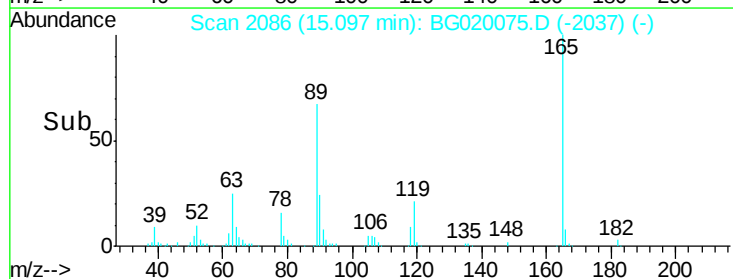
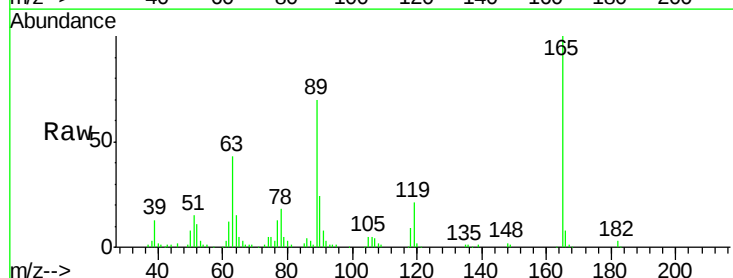
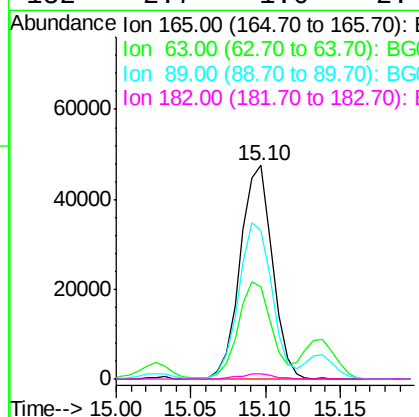
Manual Integrations  
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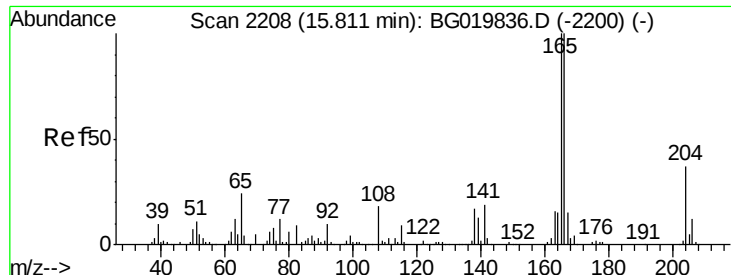
MMdadoda  
12/11/2015 6:02:25 PM



#56  
2,4-Dinitrotoluene  
Concen: 52.54 ng  
RT: 15.10 min Scan# 2086  
Delta R.T. -0.01 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 43.1  | 31.0 | 46.4  |       |
| 89      | 69.8  | 54.4 | 81.6  |       |
| 182     | 2.7   | 1.6  | 2.4#  |       |





#57

Fluorene

Concen: 43.89 ng

RT: 15.78 min Scan# 2203

Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

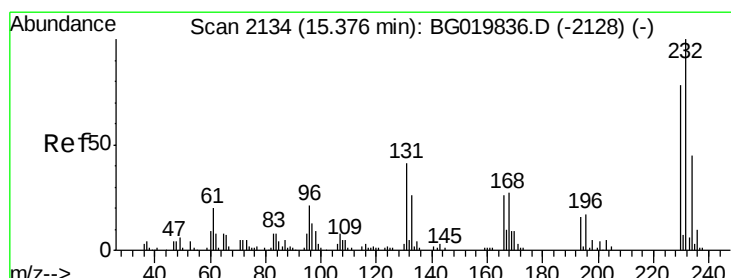
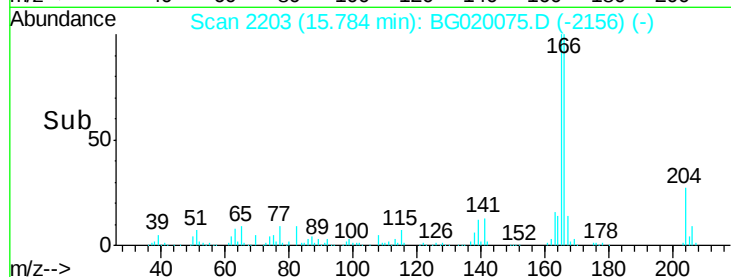
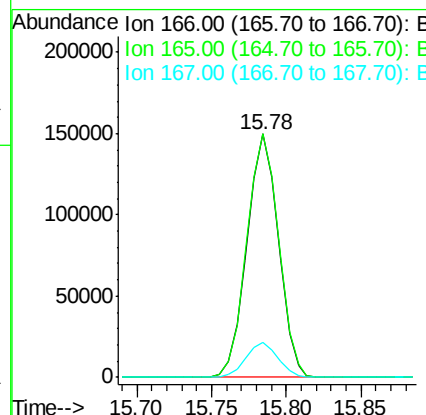
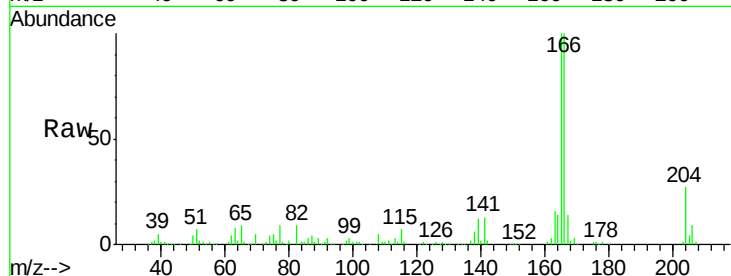
ClientSampleId :

S8-14.5MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 166  | Resp: | 218470 |
| Ion Ratio |      | Lower | Upper  |
| 166       | 100  |       |        |
| 165       | 99.9 | 80.0  | 120.0  |
| 167       | 14.1 | 11.1  | 16.7   |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 52.59 ng

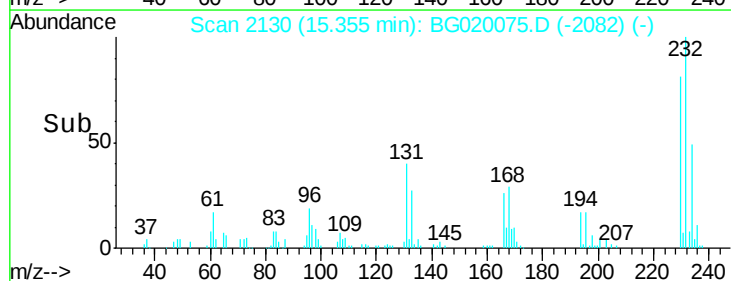
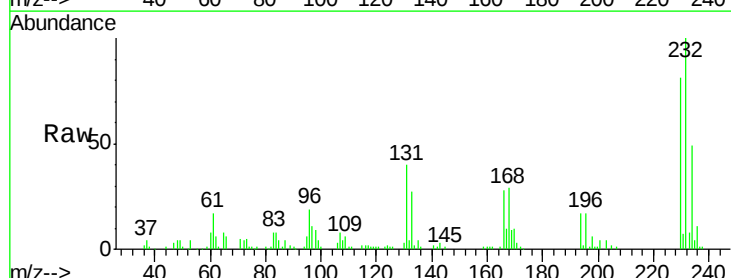
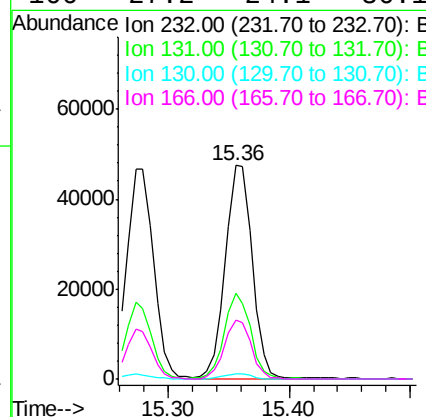
RT: 15.36 min Scan# 2130

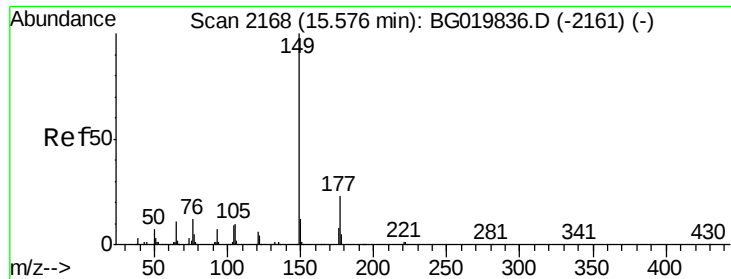
Delta R.T. -0.02 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 232  | Resp: | 73890 |
| Ion Ratio |      | Lower | Upper |
| 232       | 100  |       |       |
| 131       | 38.8 | 33.0  | 49.6  |
| 130       | 2.4  | 2.0   | 3.0   |
| 166       | 27.2 | 24.1  | 36.1  |





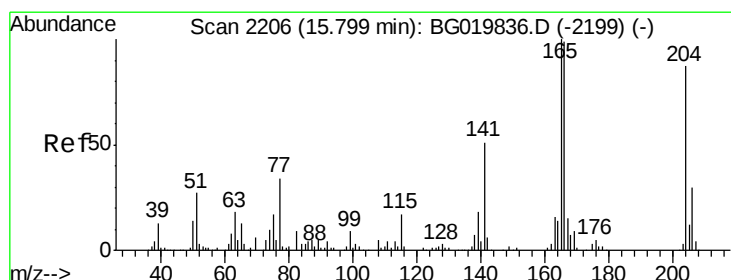
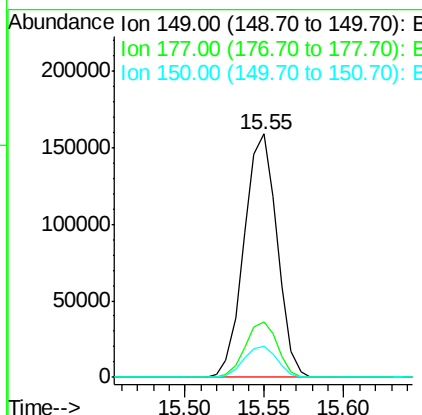
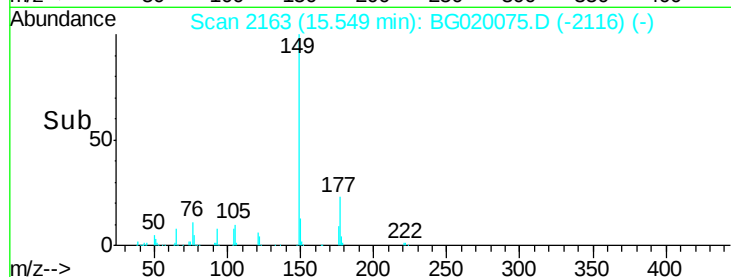
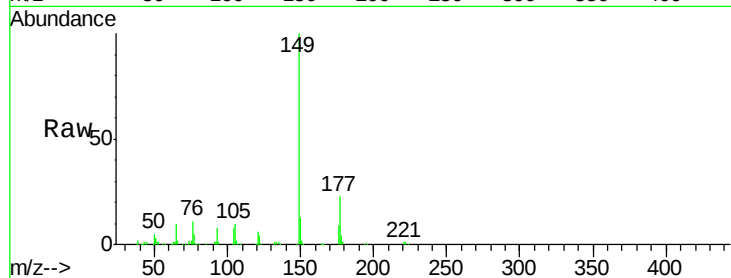
#59  
Diethylphthalate  
Concen: 41.15 ng  
RT: 15.55 min Scan# 2163  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 229039 |       |       |
| 177     | 22.7  |        | 19.6  | 29.4  |
| 150     | 12.7  |        | 10.2  | 15.2  |

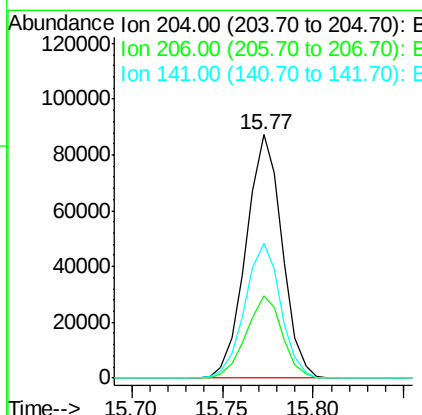
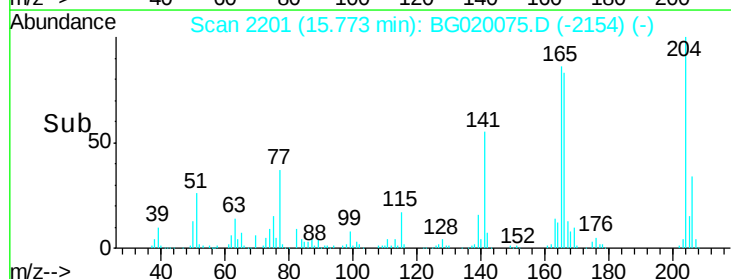
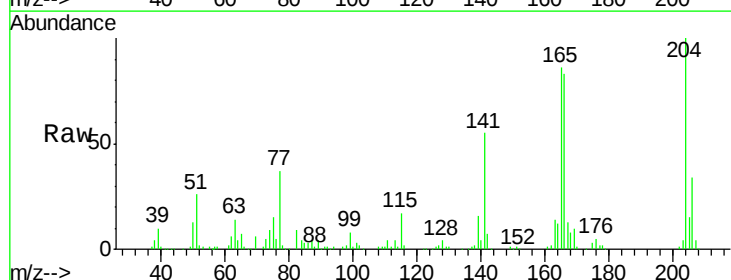
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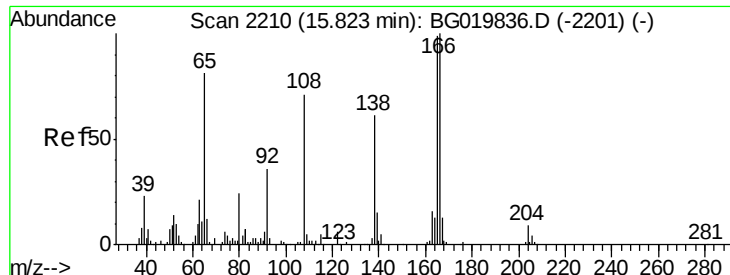
MMdadoda  
12/11/2015 6:02:25 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 42.51 ng  
RT: 15.77 min Scan# 2201  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 121498 |       |       |
| 206     | 33.8  |        | 28.3  | 42.5  |
| 141     | 55.1  |        | 44.0  | 66.0  |





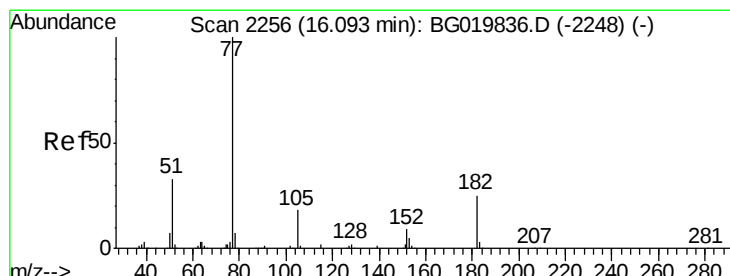
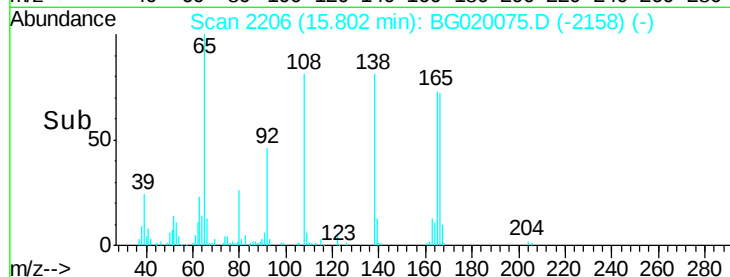
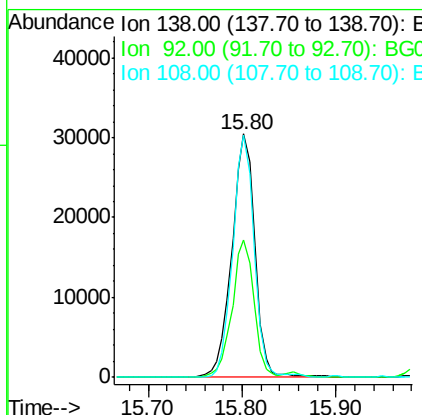
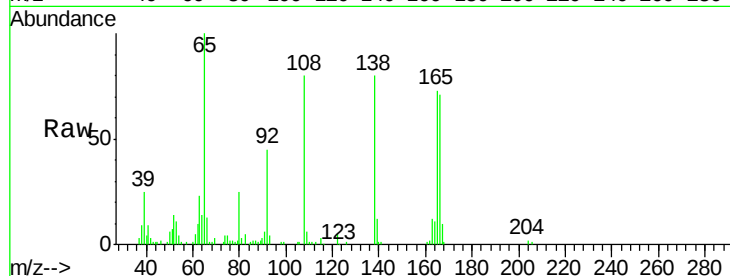
#61  
4-Nitroaniline  
Concen: 46.02 ng  
RT: 15.80 min Scan# 2206  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 138     | 100   |      |       |       |
| 92      | 56.6  | 29.1 | 69.1  |       |
| 108     | 99.8  | 49.8 | 89.8  |       |

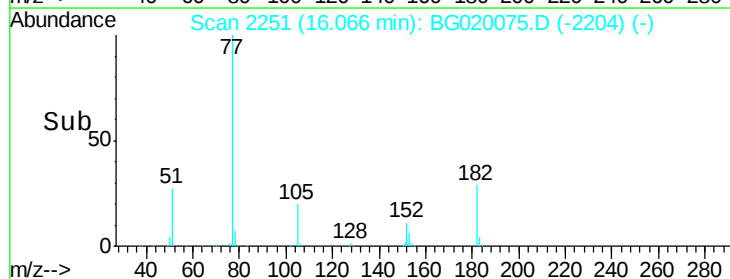
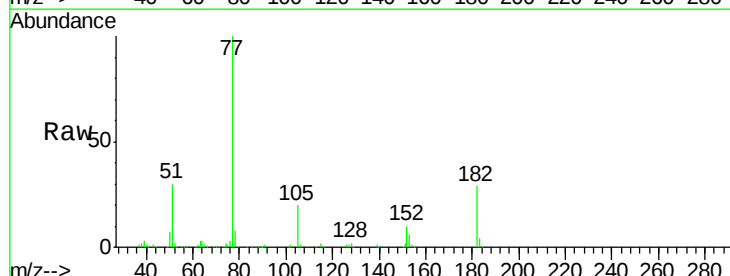
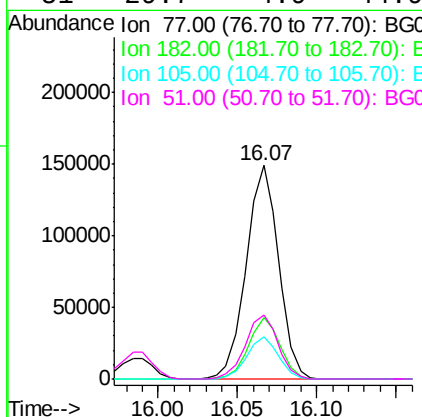
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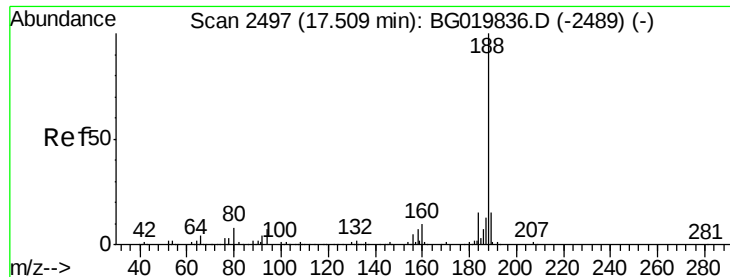
MMdadoda  
12/11/2015 6:02:25 PM



#62  
Azobenzene  
Concen: 45.49 ng  
RT: 16.07 min Scan# 2251  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 28.6  | 7.0  | 47.0  |       |
| 105     | 20.0  | 1.4  | 41.4  |       |
| 51      | 29.7  | 4.9  | 44.9  |       |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

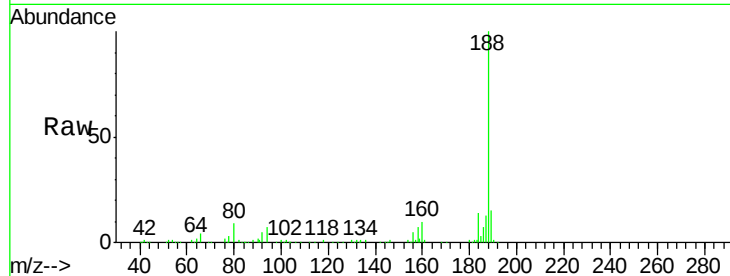
ClientSampleId :

S8-14.5MSD

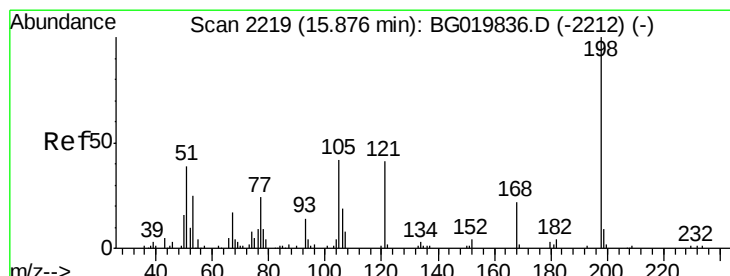
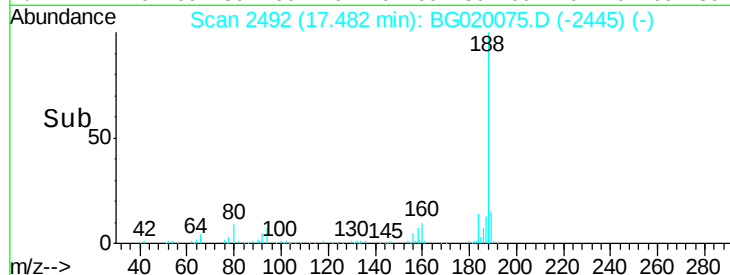
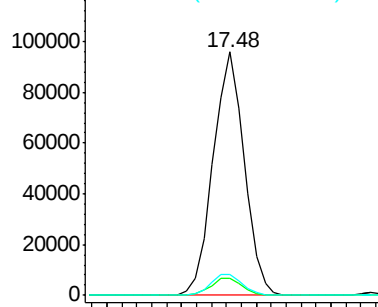
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:188 | Resp: | 137826    |
| Ion Ratio   | Lower | Upper     |
| 188         | 100   |           |
| 94          | 6.8   | 7.7 11.5# |
| 80          | 8.5   | 7.8 11.8  |

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Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 44.91 ng

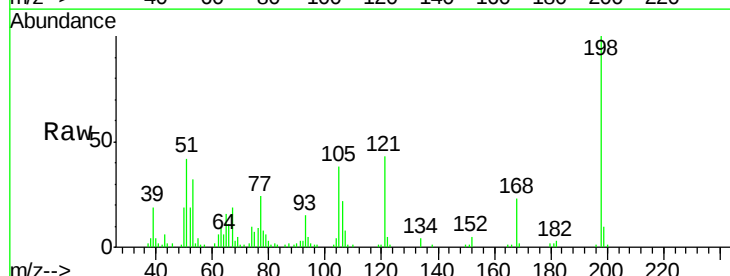
RT: 15.85 min Scan# 2215

Delta R.T. -0.02 min

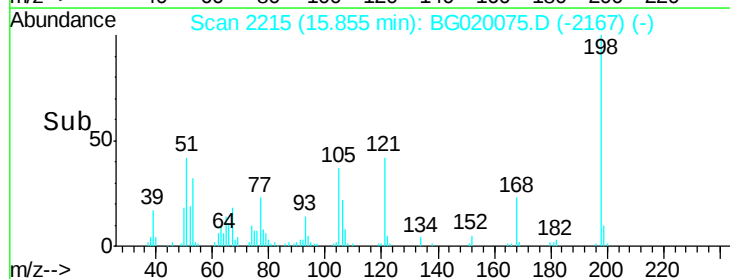
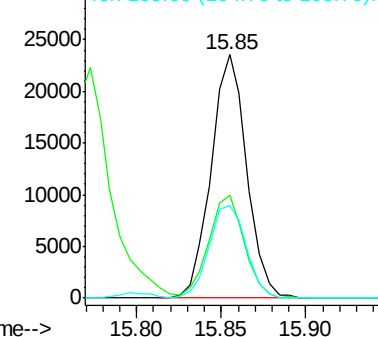
Lab File: BG020075.D

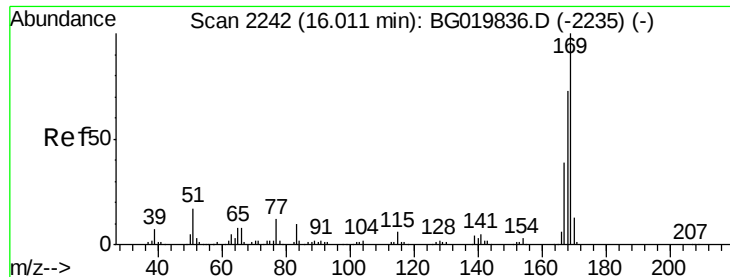
Acq: 10 Dec 2015 14:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:198 | Resp: | 34426     |
| Ion Ratio   | Lower | Upper     |
| 198         | 100   |           |
| 51          | 42.4  | 14.2 54.2 |
| 105         | 38.1  | 21.1 61.1 |



Abundance Ion 198.00 (197.70 to 198.70): E





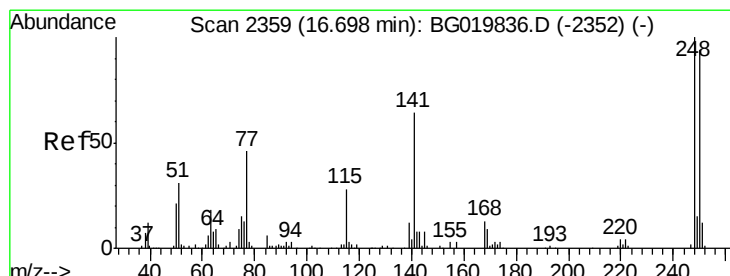
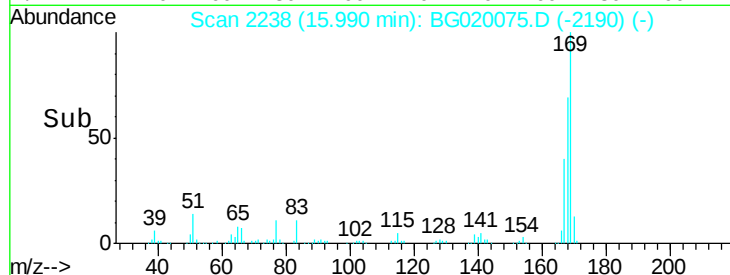
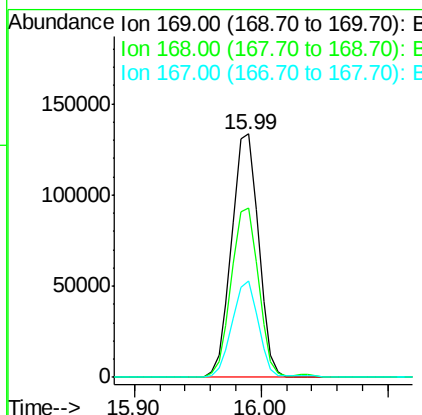
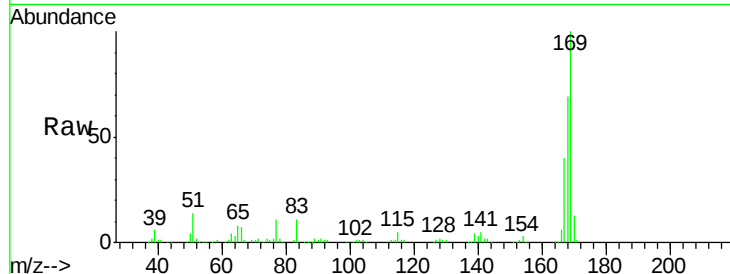
#65  
 n-Nitrosodiphenylamine  
 Concen: 49.18 ng  
 RT: 15.99 min Scan# 2238  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 196165 |       |       |
| 168     | 69.3  | 58.2   | 87.2  |       |
| 167     | 39.6  | 32.7   | 49.1  |       |

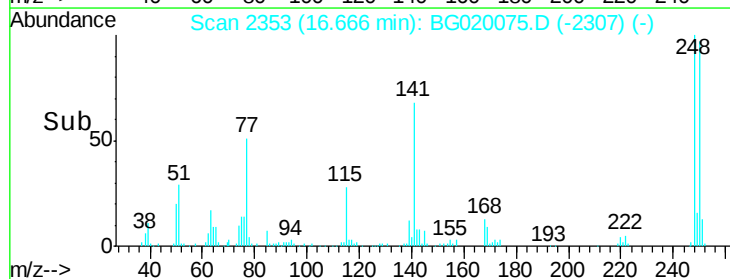
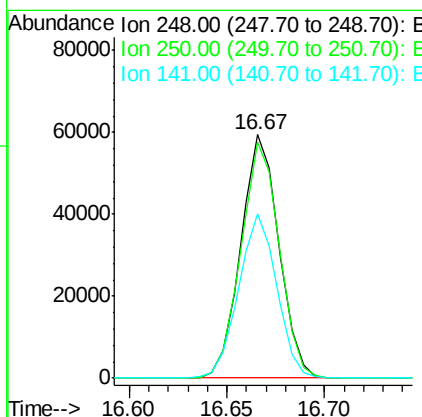
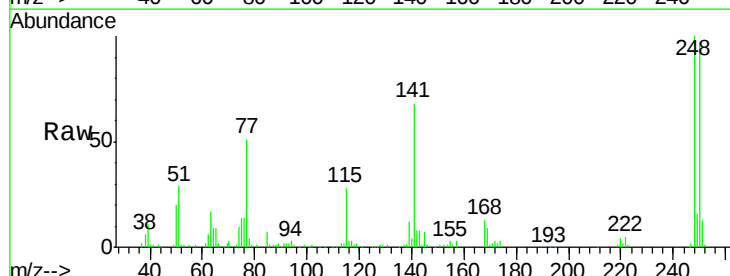
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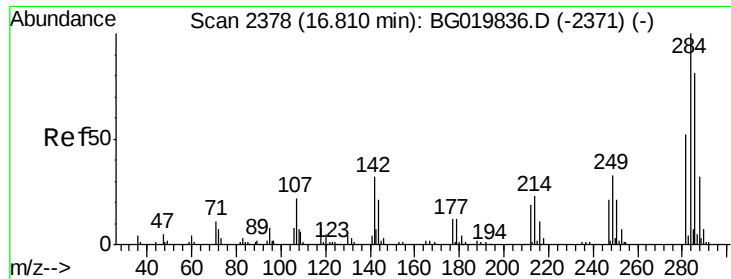
MMdadoda  
 12/11/2015 6:02:25 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.60 ng  
 RT: 16.67 min Scan# 2353  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 79812 |       |       |
| 250     | 96.9  | 77.8  | 116.8 |       |
| 141     | 67.7  | 50.4  | 75.6  |       |





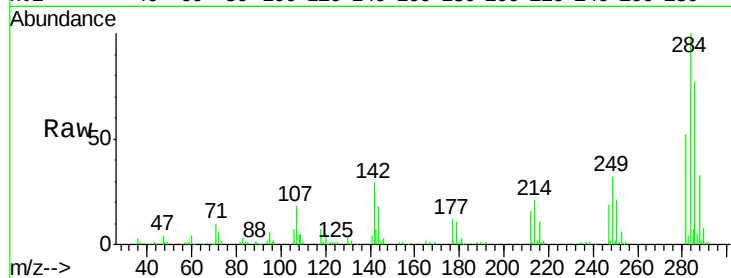
#67  
Hexachlorobenzene  
Concen: 49.28 ng  
RT: 16.79 min Scan# 2374  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

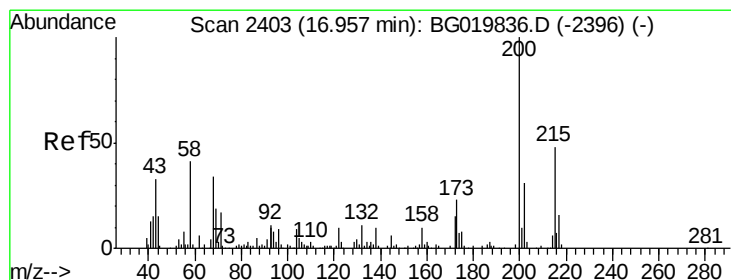
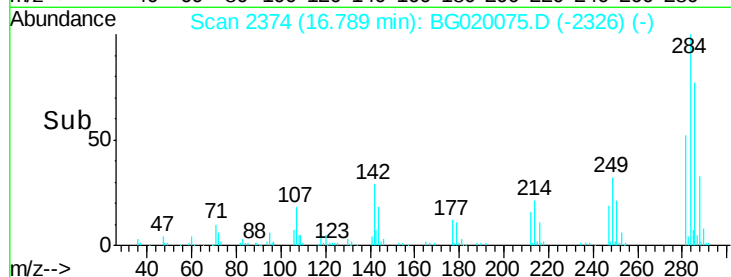
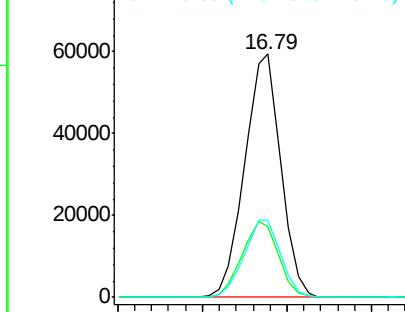
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 87909 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 29.3  | 26.6  | 39.8  |
| 249       | 31.8  | 26.2  | 39.2  |

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MMdadoda  
12/11/2015 6:02:25 PM

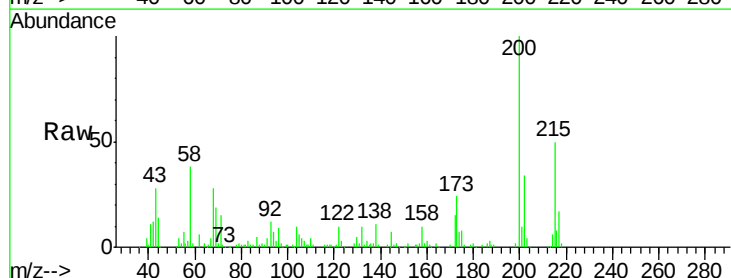


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

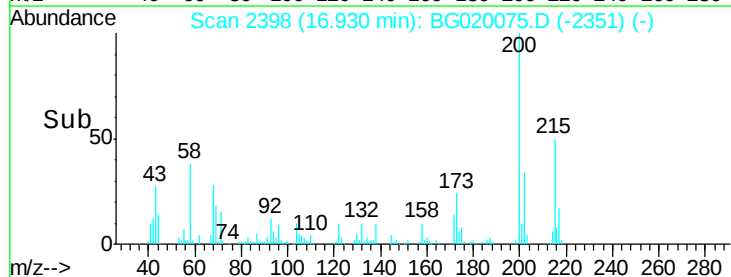
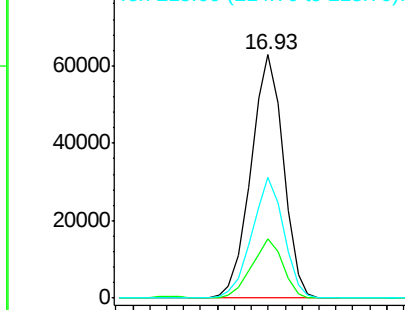


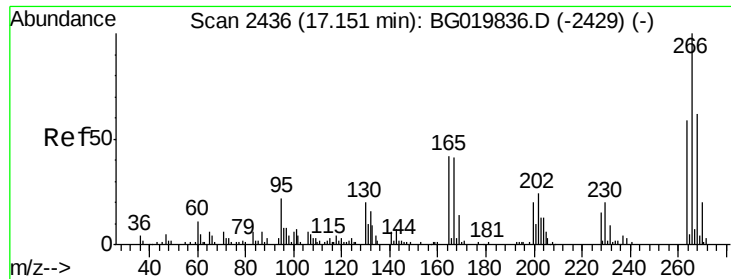
#68  
Atrazine  
Concen: 48.53 ng  
RT: 16.93 min Scan# 2398  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 84101 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 24.3  | 5.2   | 45.2  |
| 215       | 49.8  | 27.0  | 67.0  |



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





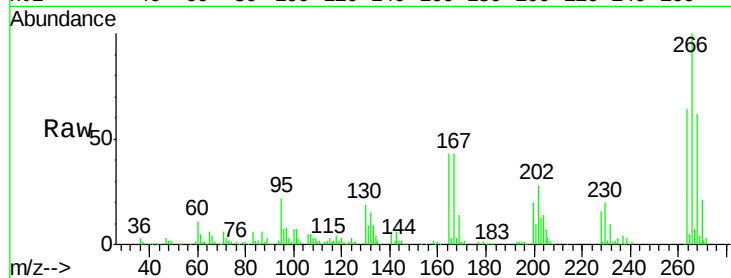
#69  
 Pentachlorophenol  
 Concen: 102.18 ng  
 RT: 17.13 min Scan# 2432  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

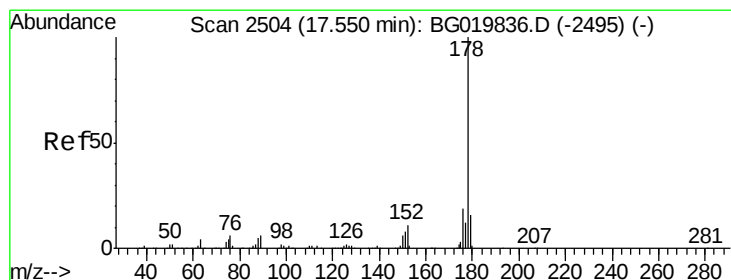
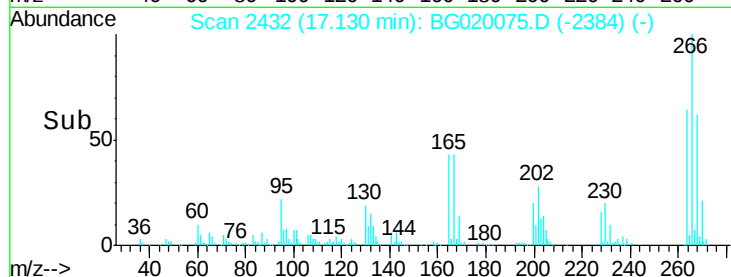
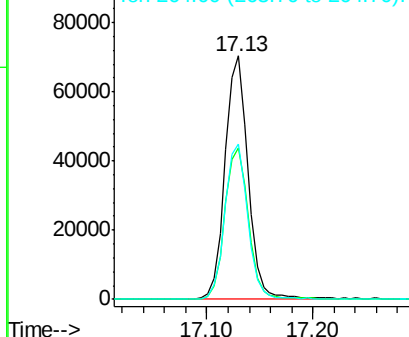
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 266  | Resp: | 106392 |
| Ion Ratio |      | Lower | Upper  |
| 266       | 100  |       |        |
| 268       | 62.1 | 47.6  | 71.4   |
| 264       | 63.5 | 48.1  | 72.1   |

Manual Integrations  
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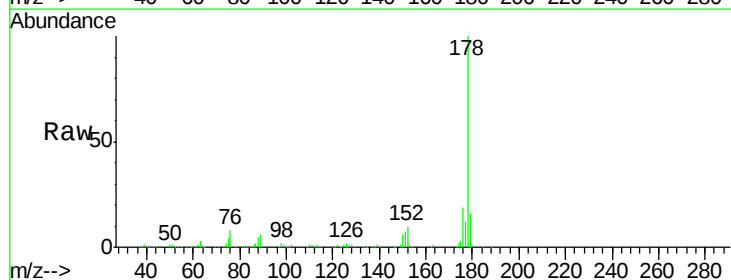


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

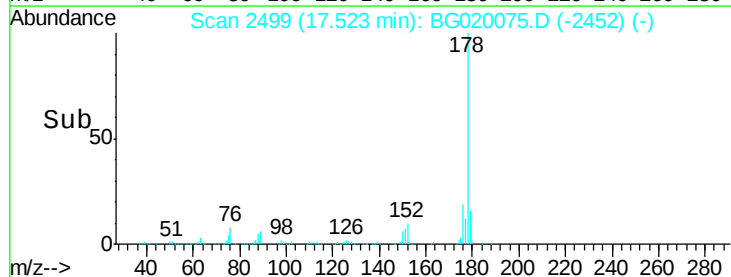
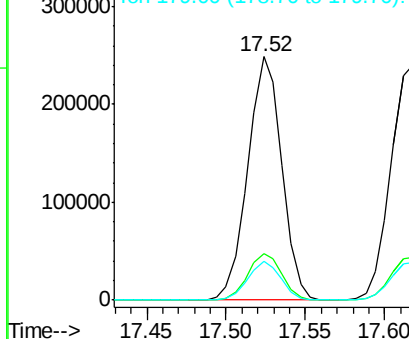


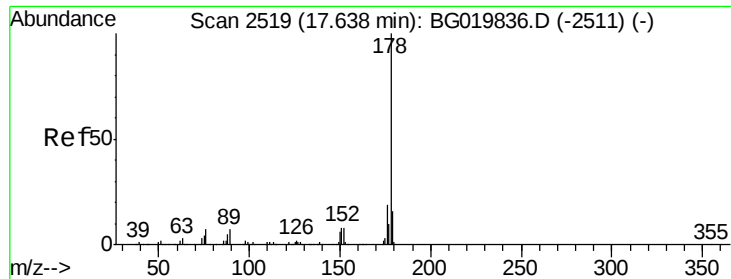
#70  
 Phenanthrene  
 Concen: 47.53 ng  
 RT: 17.52 min Scan# 2499  
 Delta R.T. -0.03 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 178  | Resp: | 370635 |
| Ion Ratio |      | Lower | Upper  |
| 178       | 100  |       |        |
| 176       | 19.2 | 16.7  | 25.1   |
| 179       | 16.1 | 13.9  | 20.9   |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





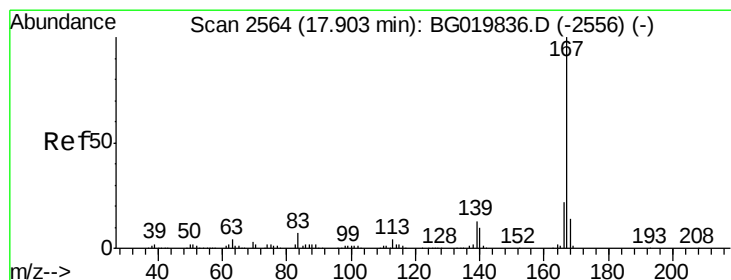
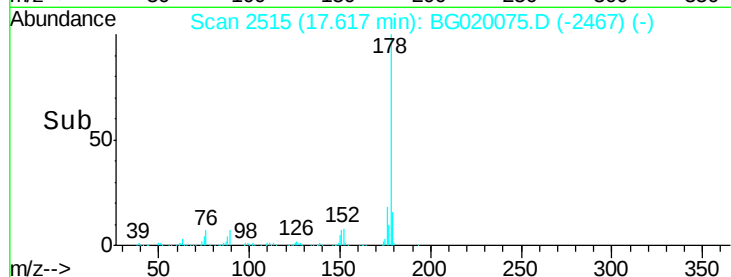
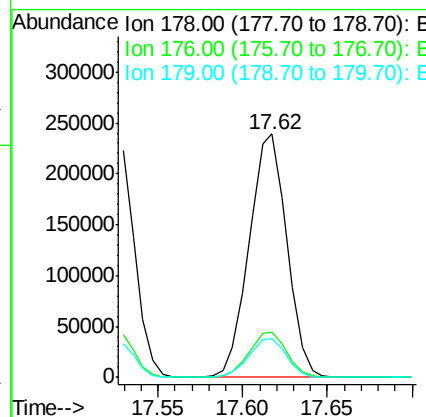
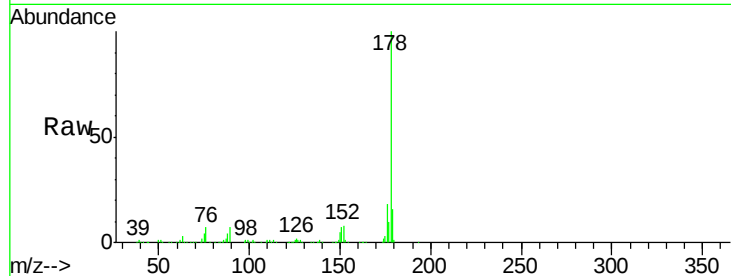
#71  
 Anthracene  
 Concen: 46.42 ng  
 RT: 17.62 min Scan# 2515  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.5  | 16.8  | 25.2  |
| 179     | 16.1  | 13.9  | 20.9  |

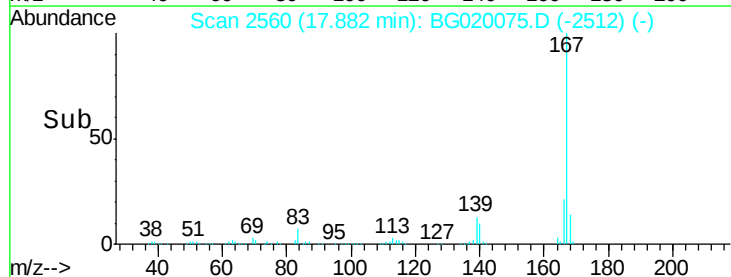
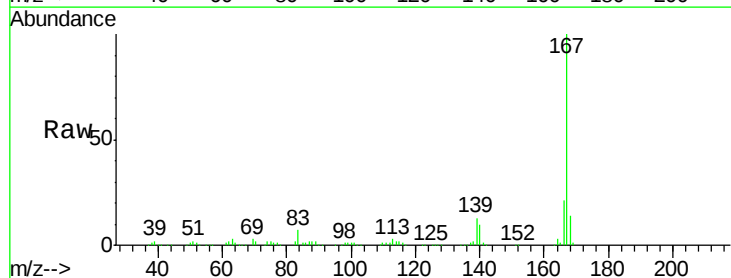
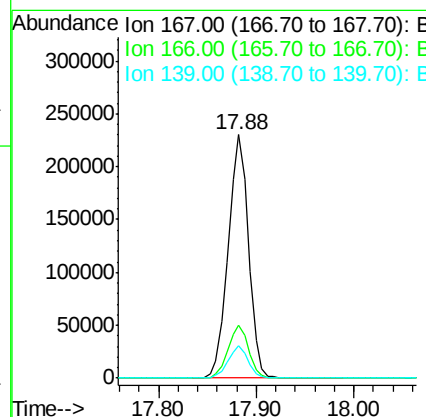
Manual Integrations  
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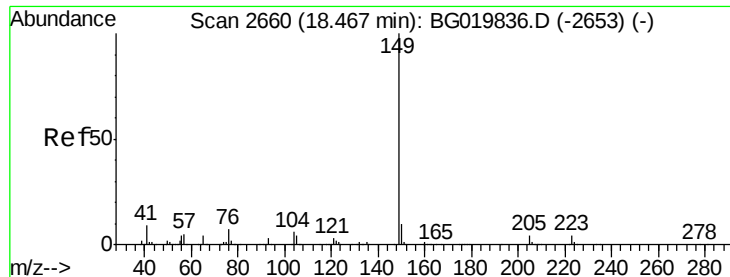
MMdadoda  
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#72  
 Carbazole  
 Concen: 47.59 ng  
 RT: 17.88 min Scan# 2560  
 Delta R.T. -0.02 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.5  | 19.0  | 28.6  |
| 139     | 13.3  | 10.2  | 15.4  |





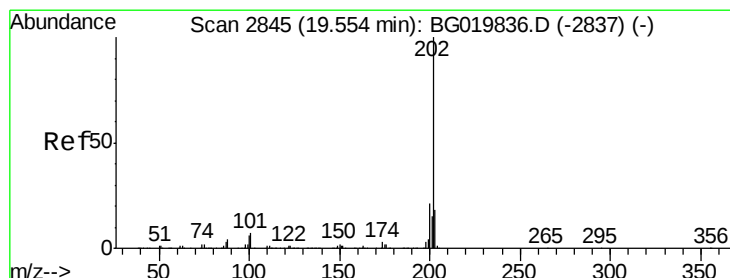
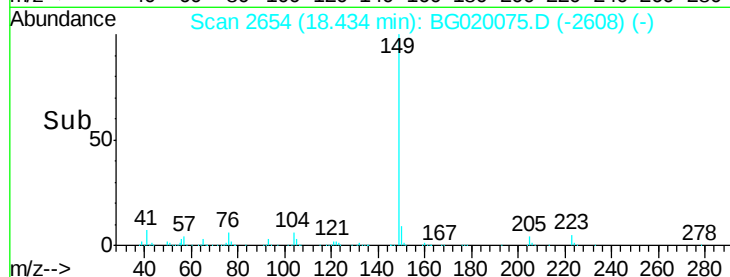
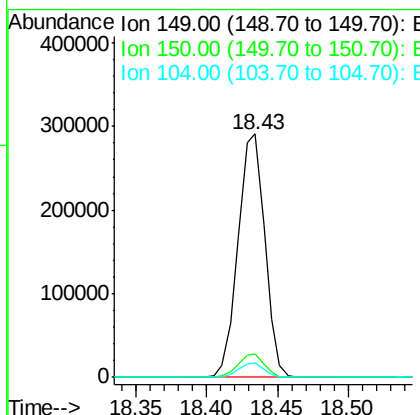
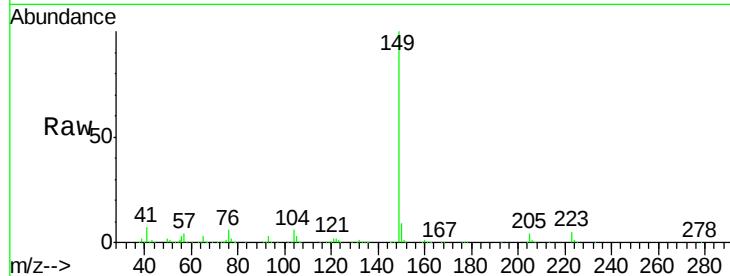
#73  
Di-n-butylphthalate  
Concen: 44.88 ng  
RT: 18.43 min Scan# 2654  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 149     | 100 |       |      |       |       |
| 150     | 9.4 | 8.2   | 12.4 |       |       |
| 104     | 5.9 | 4.4   | 6.6  |       |       |

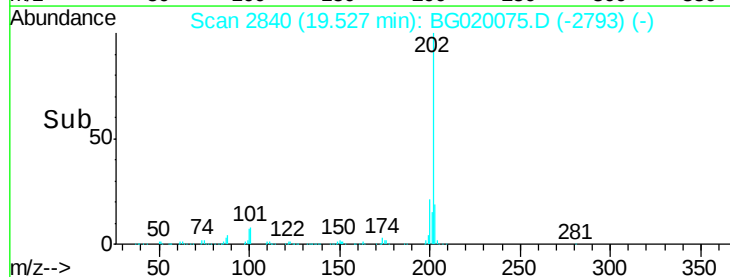
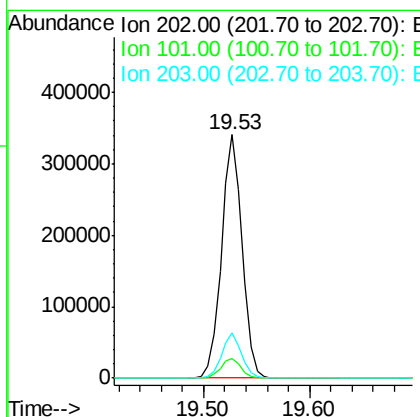
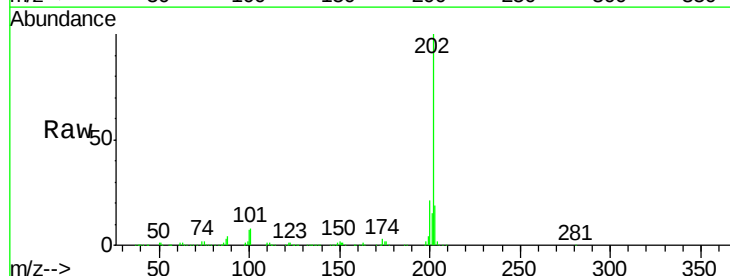
Manual Integrations  
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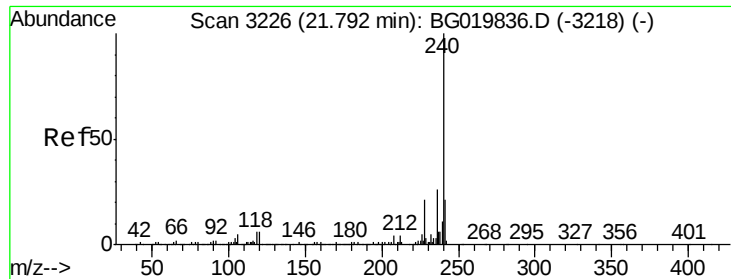
MMdadoda  
12/11/2015 6:02:25 PM



#74  
Fluoranthene  
Concen: 45.91 ng  
RT: 19.53 min Scan# 2840  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 202     | 100  |       |      |       |       |
| 101     | 8.1  | 0.0   | 32.4 |       |       |
| 203     | 18.5 | 0.0   | 39.5 |       |       |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

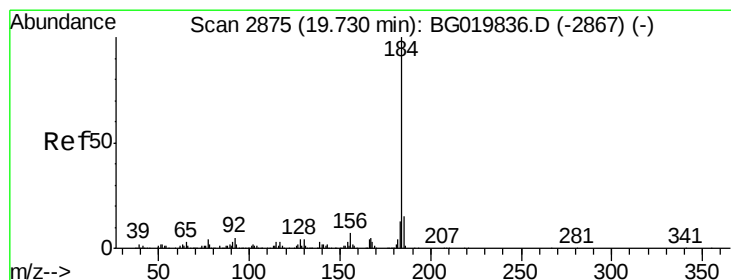
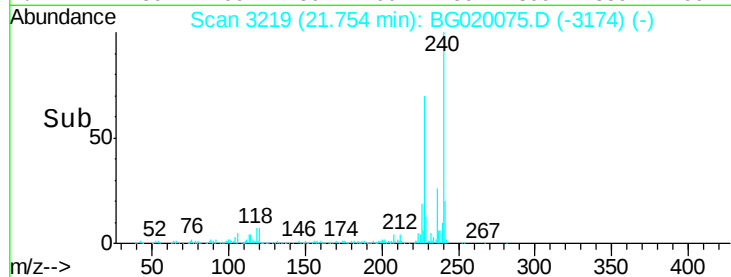
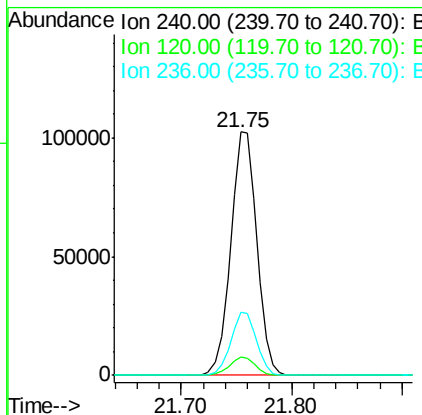
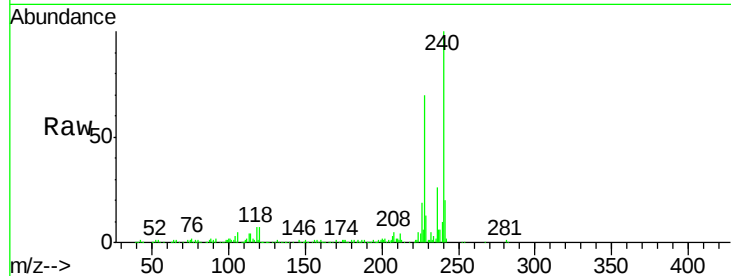
ClientSampleId :

S8-14.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 169713 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 7.5   | 7.4   | 11.0   |
| 236       | 25.9  | 20.7  | 31.1   |

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#76

Benzidine

Concen: 12.07 ng

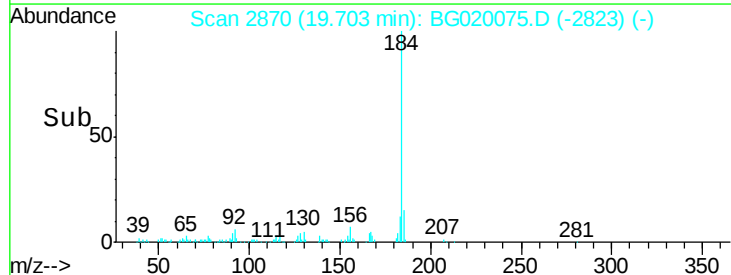
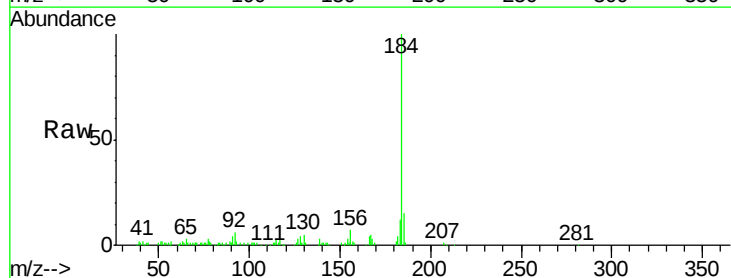
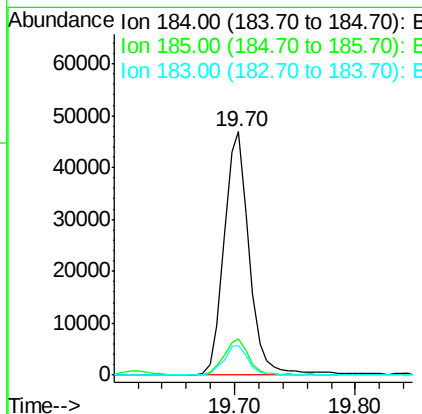
RT: 19.70 min Scan# 2870

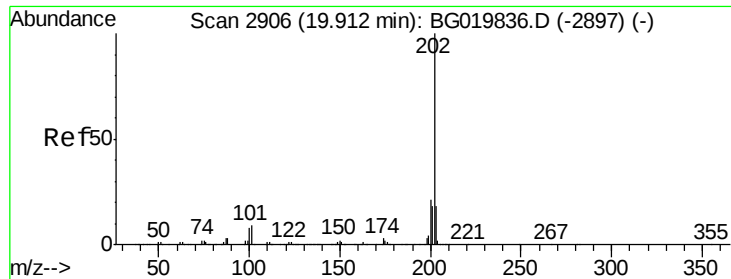
Delta R.T. -0.03 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 67300 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.6  | 13.4  | 20.2  |
| 183       | 12.2  | 10.1  | 15.1  |





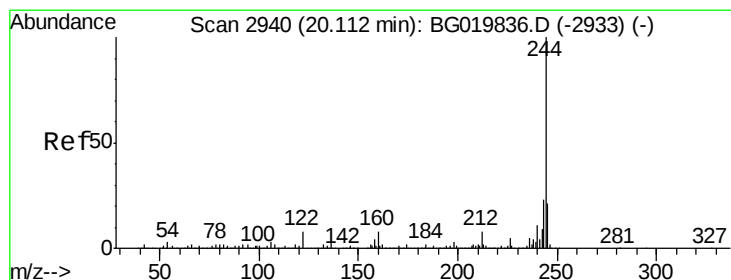
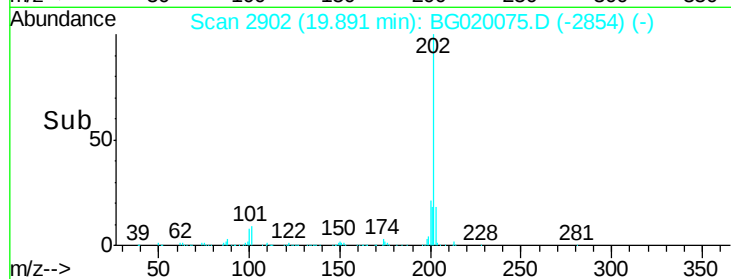
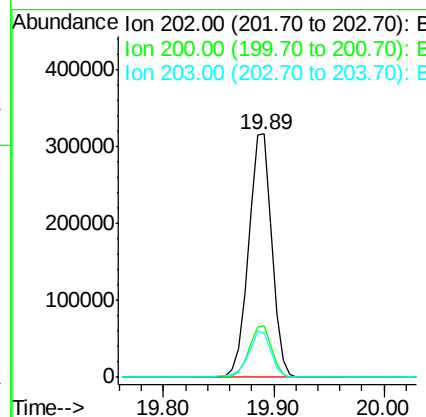
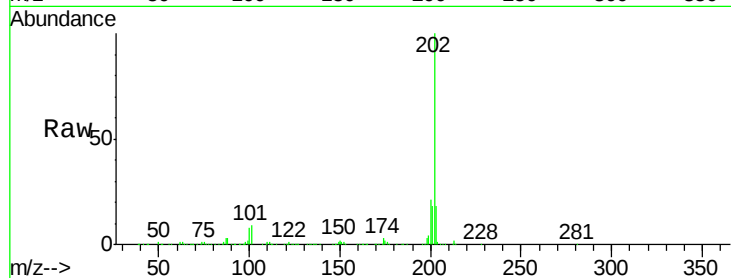
#77  
Pvrene  
Concen: 46.83 ng  
RT: 19.89 min Scan# 2902  
Delta R.T. -0.02 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.2  | 19.4       | 29.0  |
| 203     | 18.2  | 15.5       | 23.3  |

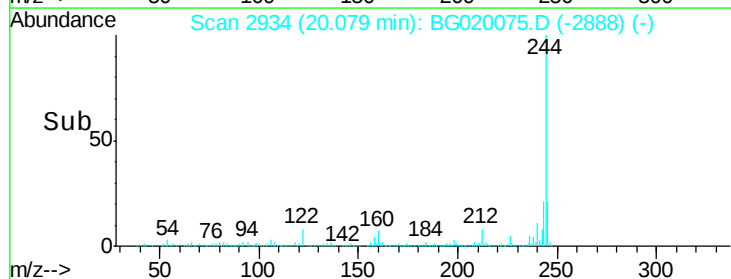
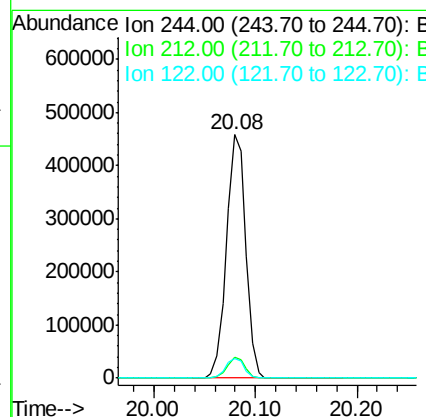
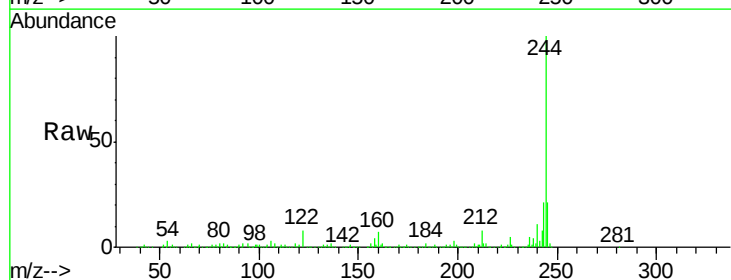
Manual Integrations  
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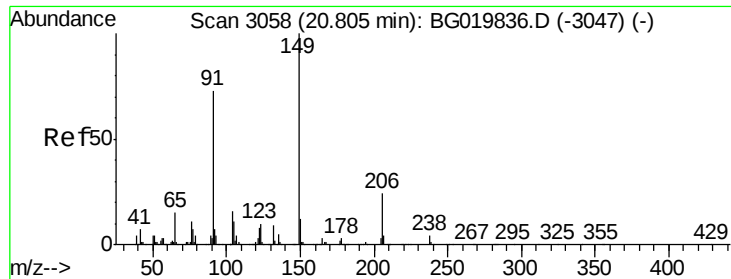
MMdadoda  
12/11/2015 6:02:25 PM



#78  
Terphenyl-d14  
Concen: 86.63 ng  
RT: 20.08 min Scan# 2934  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 8.3   | 6.9        | 10.3  |
| 122     | 8.1   | 10.2       | 15.2# |





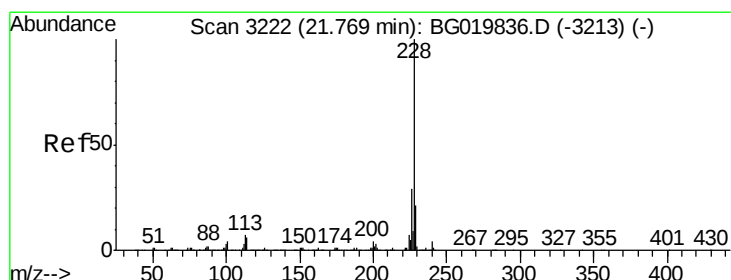
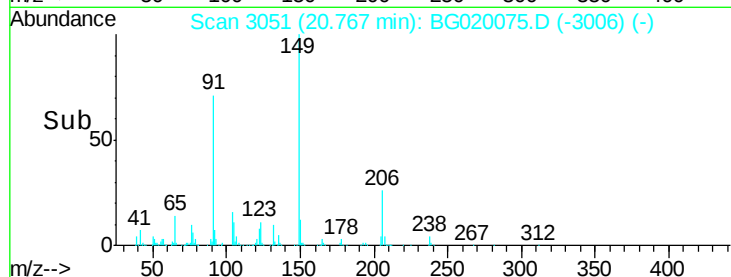
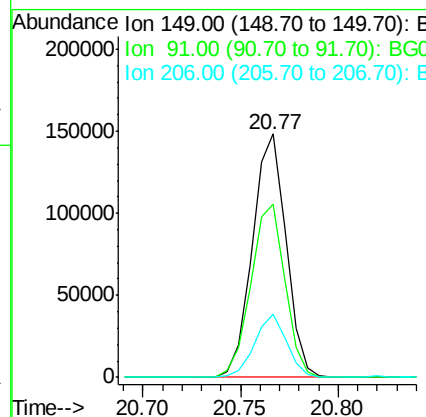
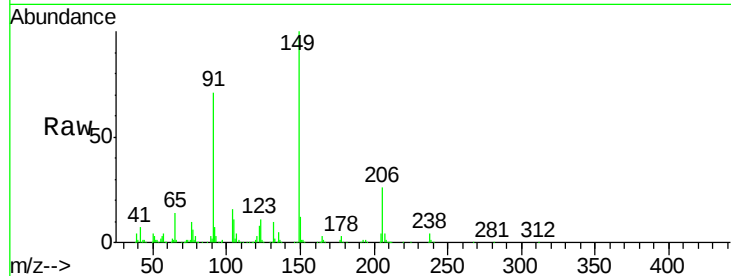
#79  
Butylbenzylphthalate  
Concen: 45.13 ng  
RT: 20.77 min Scan# 3051  
Delta R.T. -0.04 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

Instrument :  
BNA\_G  
ClientSampleId :  
S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 176625 |       |       |
| 91      | 71.4  | 58.1   | 87.1  |       |
| 206     | 25.9  | 17.8   | 26.8  |       |

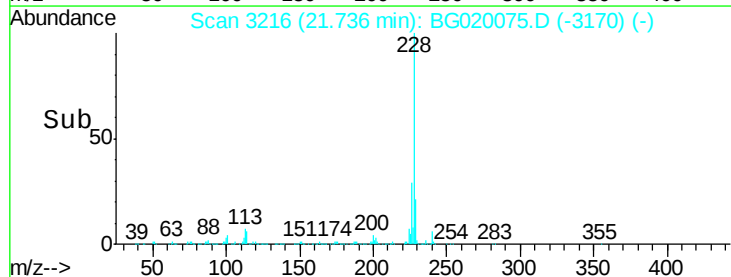
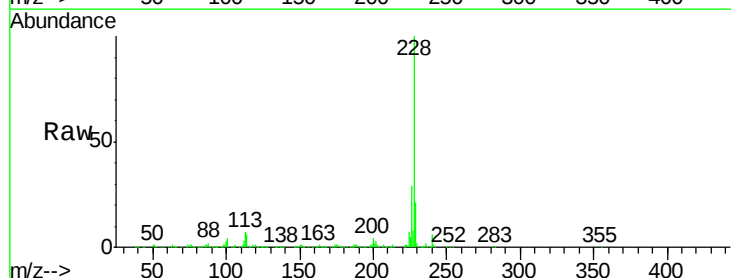
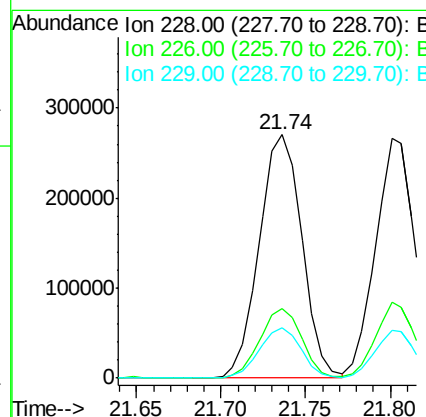
Manual Integrations  
APPROVED

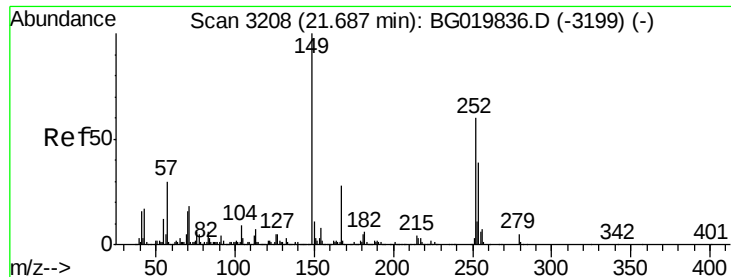
MMdadoda  
12/11/2015 6:02:25 PM



#80  
Benzo(a)anthracene  
Concen: 45.82 ng  
RT: 21.74 min Scan# 3216  
Delta R.T. -0.03 min  
Lab File: BG020075.D  
Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 475968 |       |       |
| 226     | 28.6  | 23.4   | 35.0  |       |
| 229     | 20.5  | 16.6   | 25.0  |       |





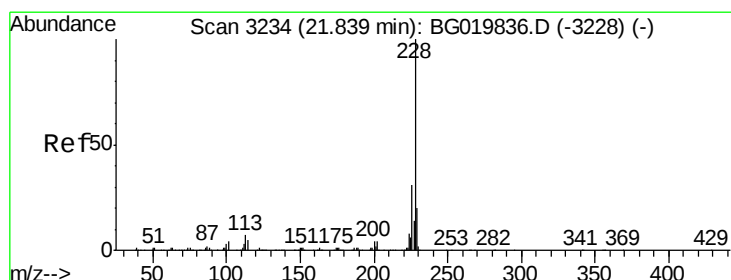
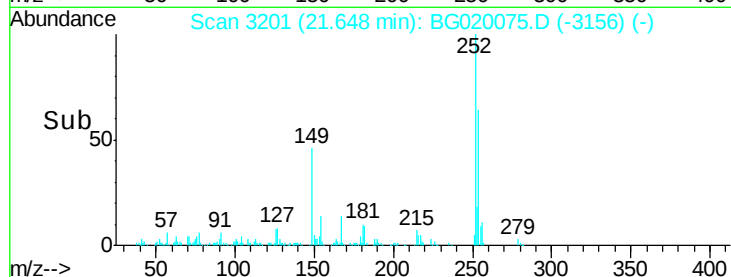
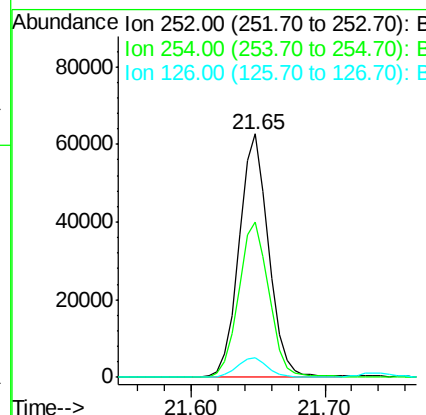
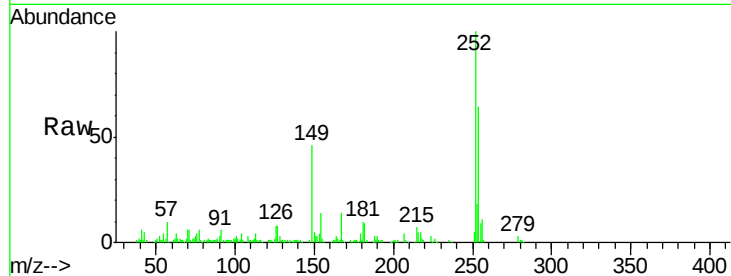
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.33 ng  
 RT: 21.65 min Scan# 3201  
 Delta R.T. -0.04 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 52.5  | 78.7  |
| 126     | 8.1   | 8.5   | 12.7  |

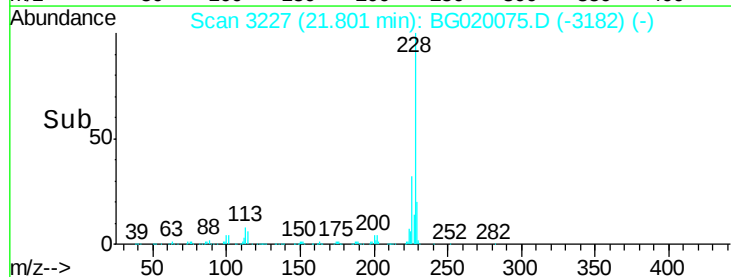
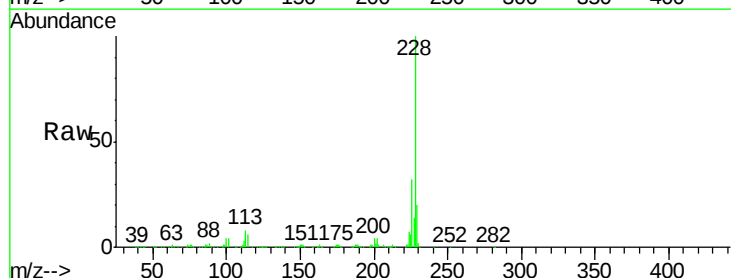
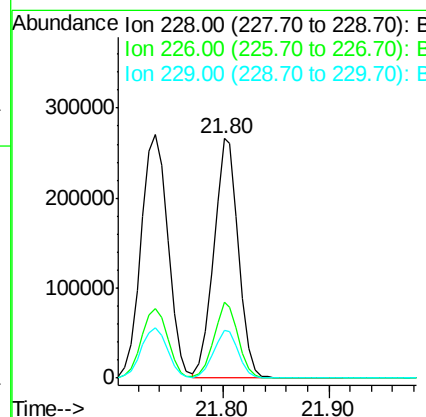
Manual Integrations  
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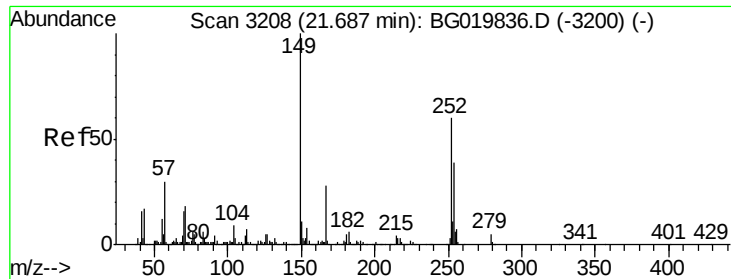
MMdadoda  
 12/11/2015 6:02:25 PM



#82  
 Chrysene  
 Concen: 43.72 ng  
 RT: 21.80 min Scan# 3227  
 Delta R.T. -0.04 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.6  | 26.7  | 40.1  |
| 229     | 20.2  | 17.0  | 25.6  |





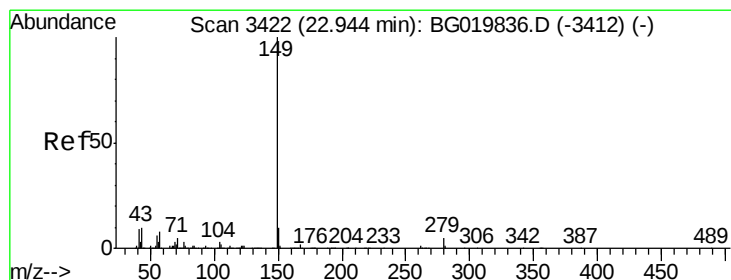
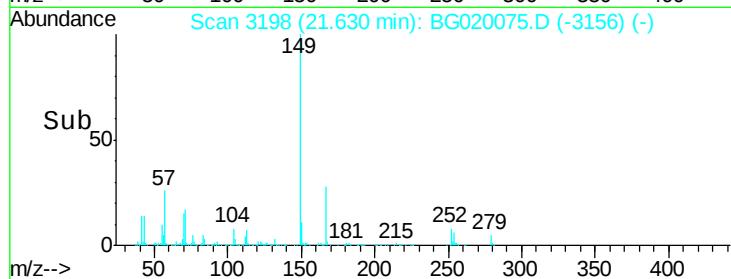
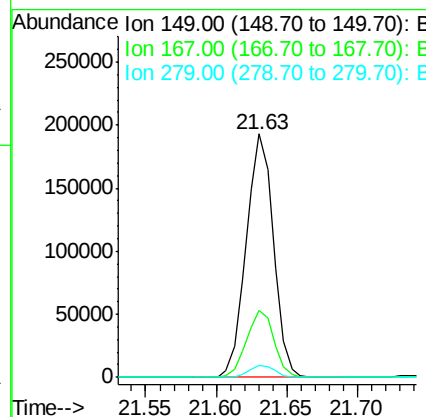
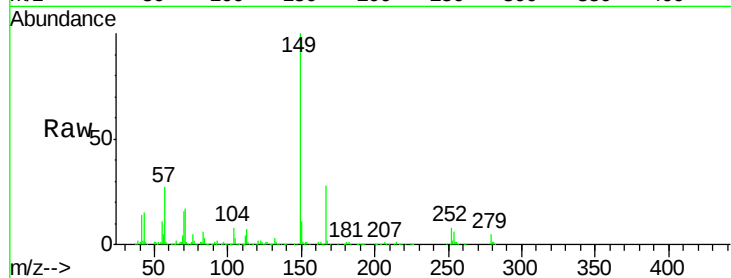
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 45.36 ng  
 RT: 21.63 min Scan# 3198  
 Delta R.T. -0.06 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 260512 |       |       |
| 167     | 27.8  |        | 23.8  | 35.8  |
| 279     | 5.0   |        | 3.4   | 5.2   |

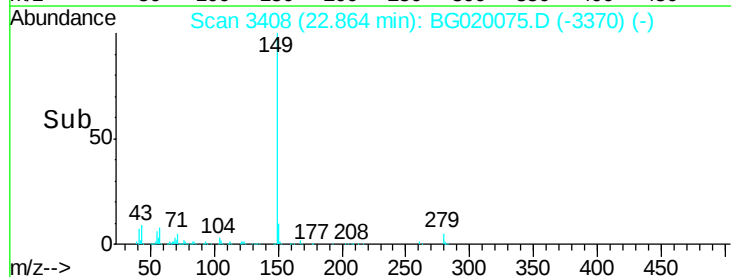
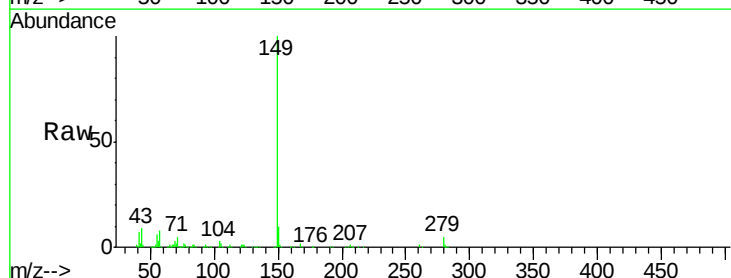
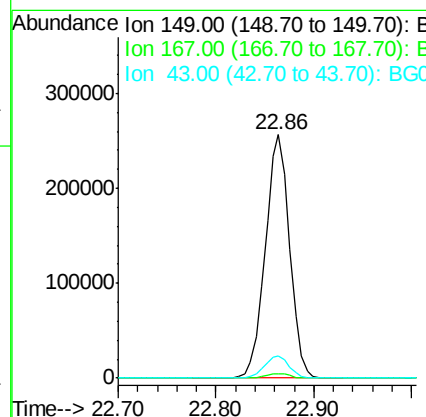
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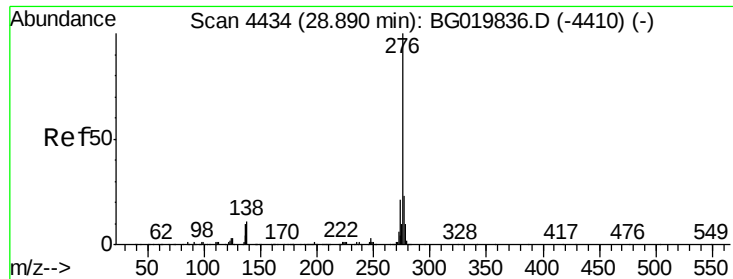
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#84  
 Di-n-octyl phthalate  
 Concen: 47.93 ng  
 RT: 22.86 min Scan# 3408  
 Delta R.T. -0.08 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 447587 |       |       |
| 167     | 1.7   |        | 1.2   | 1.8   |
| 43      | 9.2   |        | 5.9   | 8.9#  |





#85

Indeno(1,2,3-cd)pyrene

Concen: 46.89 ng

RT: 28.78 min Scan# 4415

Delta R.T. -0.11 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

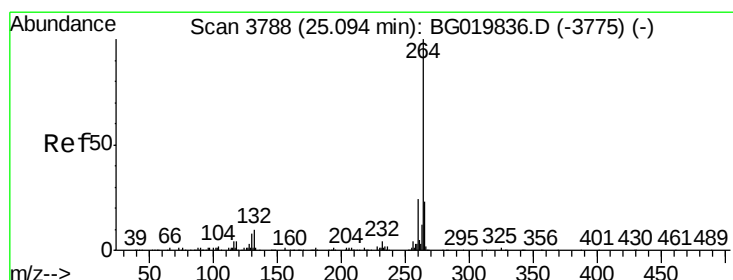
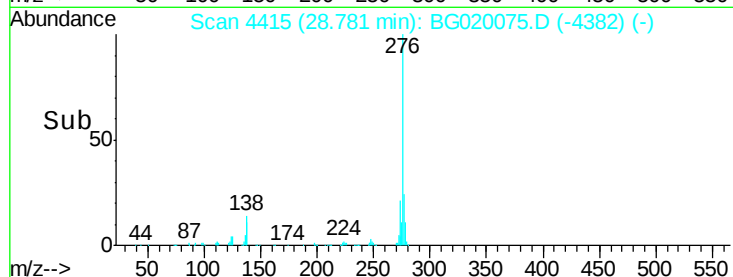
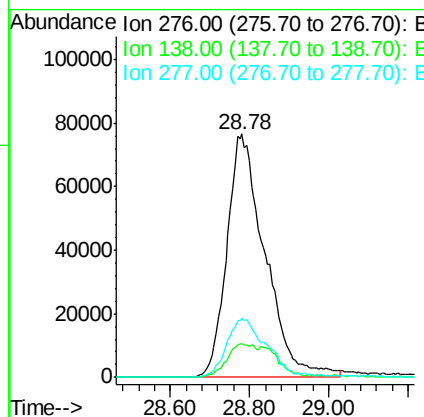
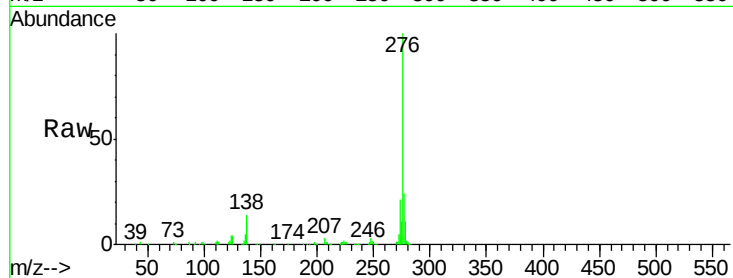
ClientSampleId :

S8-14.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 138     | 10.7  | 0.0  | 0.0   | 0.0   |
| 277     | 24.8  | 0.0  | 0.0   | 0.0   |

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#86

Perylene-d12

Concen: 20.00 ng

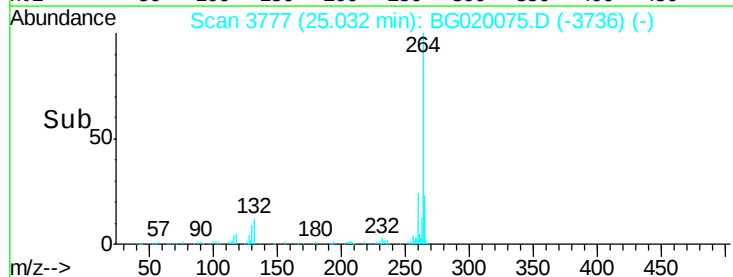
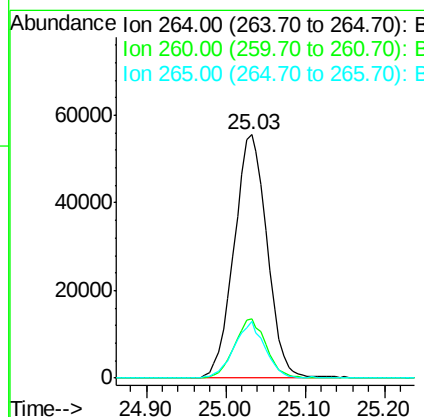
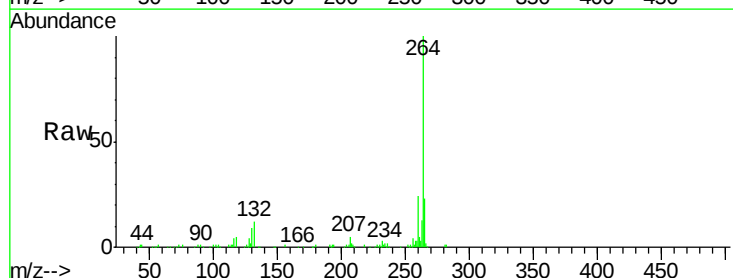
RT: 25.03 min Scan# 3777

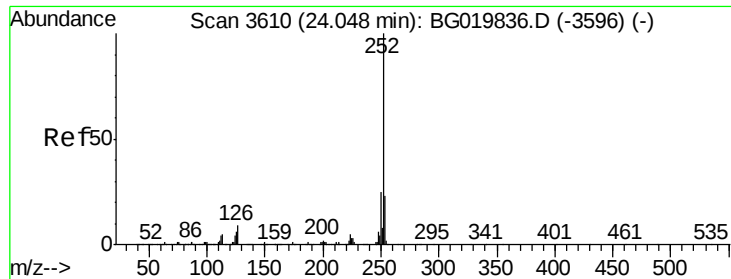
Delta R.T. -0.06 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   |      |       |       |
| 260     | 24.2  | 18.5 | 27.7  |       |
| 265     | 23.3  | 17.2 | 25.8  |       |





#87

Benzo(b)fluoranthene

Concen: 46.42 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.06 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

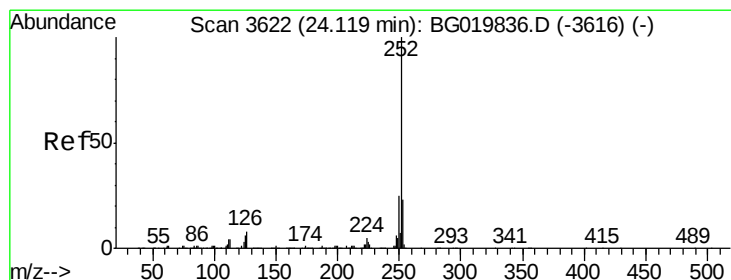
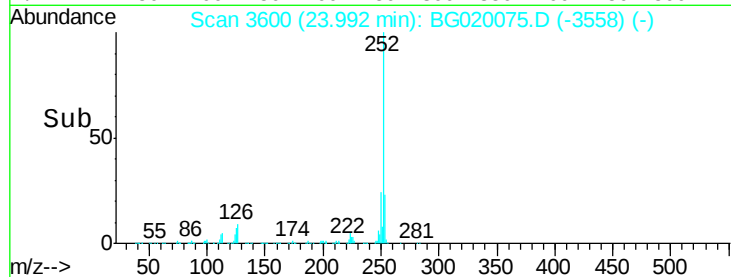
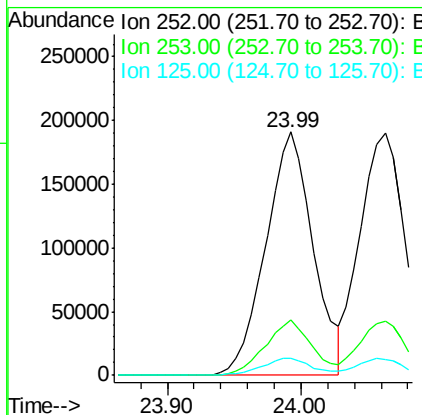
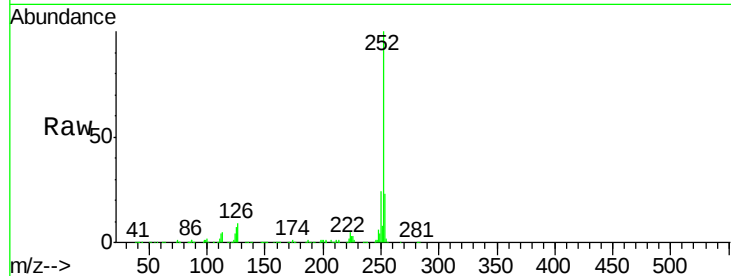
ClientSampleId :

S8-14.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 19.1  | 28.7  |
| 125     | 7.0   | 8.9   | 13.3# |

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#88

Benzo(k)fluoranthene

Concen: 43.86 ng

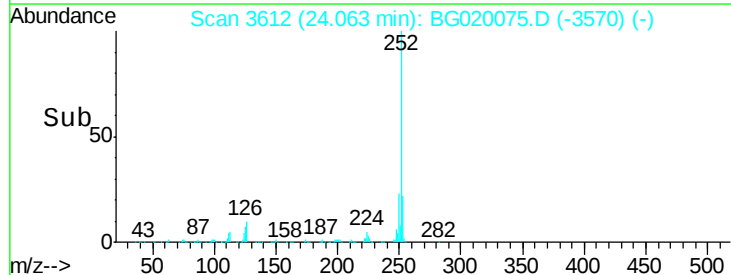
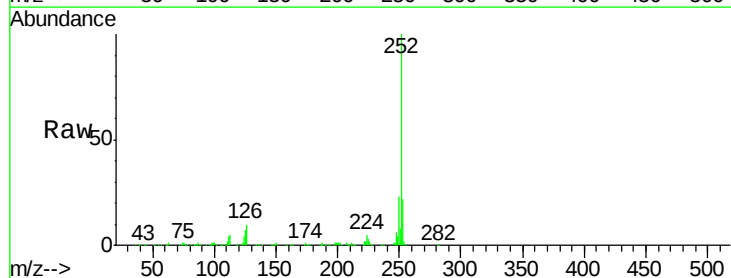
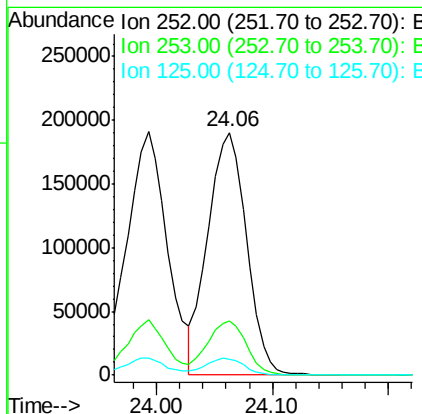
RT: 24.06 min Scan# 3612

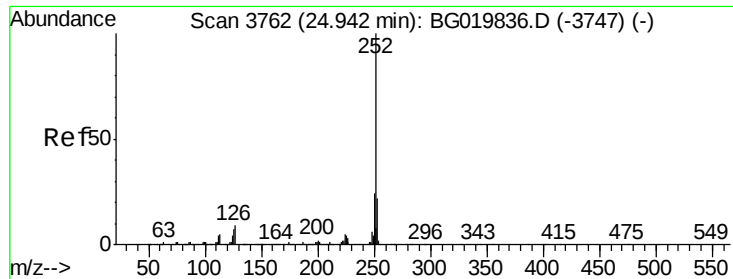
Delta R.T. -0.06 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 19.0  | 28.4  |
| 125     | 6.8   | 8.9   | 13.3# |





#89

Benzo(a)pyrene

Concen: 46.51 ng

RT: 24.88 min Scan# 3751

Delta R.T. -0.06 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

Instrument :

BNA\_G

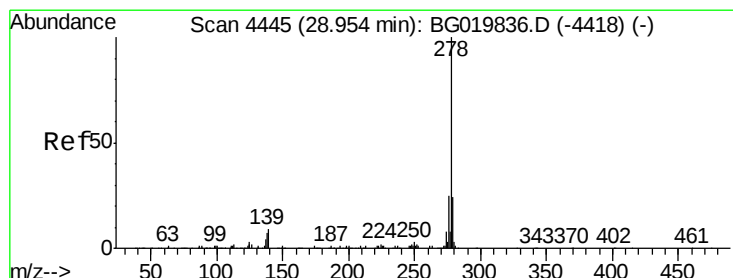
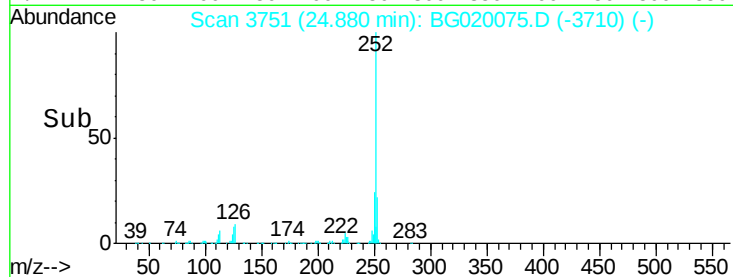
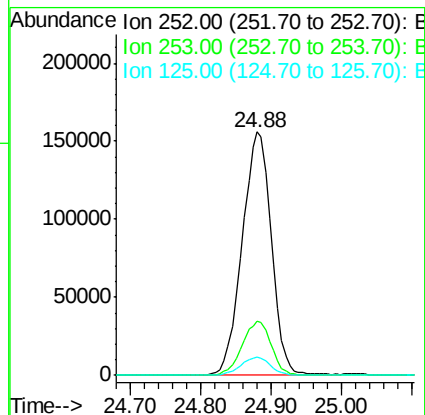
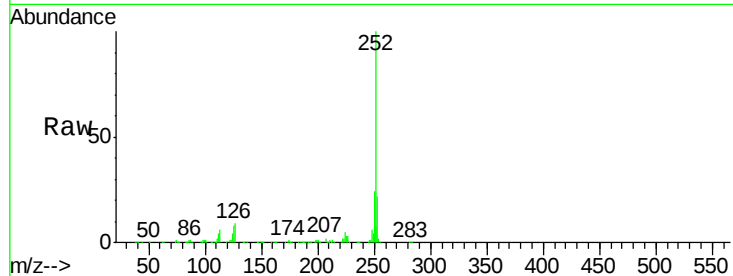
ClientSampleId :

S8-14.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 448576 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.1  | 18.7  | 28.1   |
| 125       | 7.7   | 9.1   | 13.7#  |

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#90

Dibenzo(a,h)anthracene

Concen: 44.15 ng

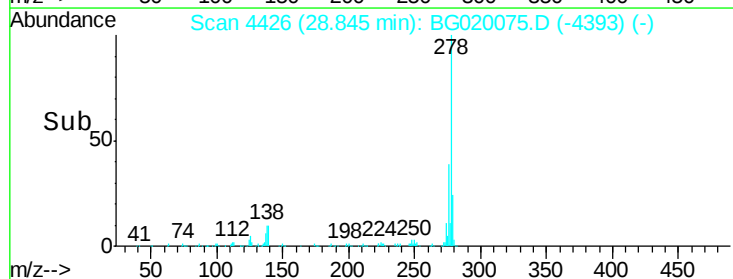
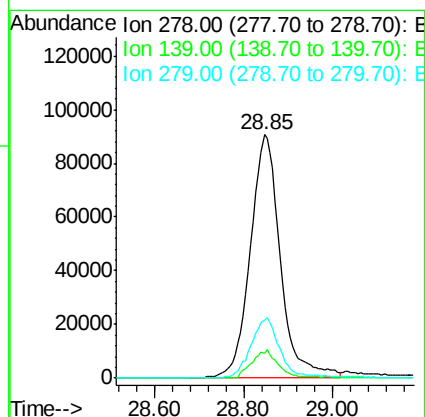
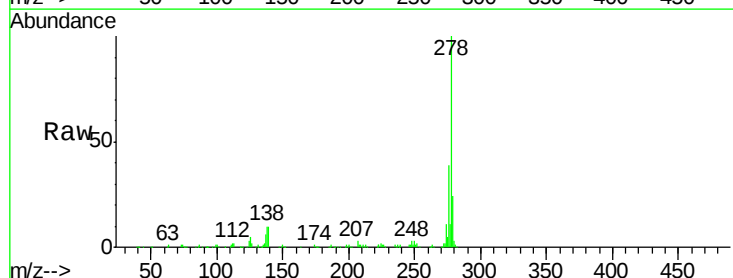
RT: 28.85 min Scan# 4426

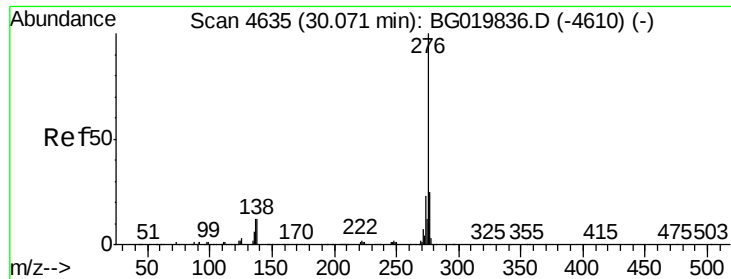
Delta R.T. -0.11 min

Lab File: BG020075.D

Acq: 10 Dec 2015 14:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 420639 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 10.3  | 13.8  | 20.6#  |
| 279       | 23.9  | 19.4  | 29.0   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 42.85 ng  
 RT: 29.96 min Scan# 4616  
 Delta R.T. -0.11 min  
 Lab File: BG020075.D  
 Acq: 10 Dec 2015 14:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-14.5MSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 22.9  | 18.4       | 27.6       |
| 138     | 15.4  | 17.4       | 26.0       |

Manual Integrations  
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