

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA\_F\Data\BF021618\  
 Data File : BF103052.D  
 Acq On : 16 Feb 2018 15:13  
 Operator : SJ/JU  
 Sample : J1558-01MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 2:32:19 PM

Quant Time: Feb 16 16:38:35 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 16 14:34:49 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 183244   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 757247   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 317391   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.41 | 188  | 467798   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.05 | 240  | 308489   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.54 | 264  | 290657   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 1267706 | 105.06 | ng | 0.01 |
| 7) Phenol-d6             | 6.52  | 99  | 1526511 | 105.07 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 972344  | 89.08  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 263616  | 103.19 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.24  | 172 | 1392832 | 72.82  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.99 | 244 | 990672  | 76.04  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.70 | 88  | 195161  | 32.747 | ng | 87     |
| 3) Pyridine                    | 3.49 | 79  | 546756  | 33.206 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.43 | 42  | 280770  | 39.854 | ng | 99     |
| 6) Aniline                     | 6.55 | 93  | 587253  | 27.371 | ng | 97     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 477774  | 38.461 | ng | 98     |
| 9) Benzaldehyde                | 6.43 | 77  | 106873  | 9.906  | ng | 99     |
| 10) Phenol                     | 6.53 | 94  | 648585  | 41.656 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 488002  | 37.666 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 493806  | 34.328 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 500334  | 34.916 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 466753  | 34.971 | ng | 98     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 419490  | 37.556 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 833099  | 33.850 | ng | 99     |
| 17) 2-Methylphenol             | 7.13 | 107 | 415524  | 36.264 | ng | 99     |
| 18) Hexachloroethane           | 7.39 | 117 | 167158  | 34.018 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 317348  | 33.130 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 470434  | 33.293 | ng | # 71   |
| 22) Acetophenone               | 7.29 | 105 | 625195  | 33.739 | ng | # 94   |
| 24) Nitrobenzene               | 7.46 | 77  | 518164  | 40.347 | ng | 99     |
| 25) Isophorone                 | 7.70 | 82  | 957220  | 38.082 | ng | 99     |
| 26) 2-Nitrophenol              | 7.78 | 139 | 253019  | 47.971 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 426798  | 40.191 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 605150  | 40.641 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 385118  | 39.893 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 377203  | 34.539 | ng | 99     |
| 31) Naphthalene                | 8.19 | 128 | 1299460 | 35.123 | ng | 100    |
| 32) Benzoic acid               | 7.89 | 122 | 29041   | 12.234 | ng | 96     |
| 33) 4-Chloroaniline            | 8.23 | 127 | 347432  | 21.799 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.30 | 225 | 189844  | 33.924 | ng | 99     |
| 35) Caprolactam                | 8.60 | 113 | 132516m | 39.527 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 421584  | 38.868 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 846157  | 34.932 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 325831  | 37.703 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 69040   | 16.805 | ng | 100    |

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA\_F\Data\BF021618\  
 Data File : BF103052.D  
 Acq On : 16 Feb 2018 15:13  
 Operator : SJ/JU  
 Sample : J1558-01MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

Manual Integrations  
 APPROVED

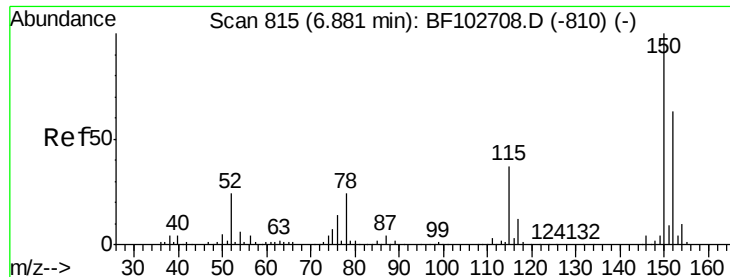
Sohil  
 2/27/2018 2:32:19 PM

Quant Time: Feb 16 16:38:35 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 16 14:34:49 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 234713   | 41.350 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 244573   | 38.228 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.34  | 154  | 952207   | 35.619 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 754070   | 35.829 | ng    | 100      |
| 47) 2-Nitroaniline             | 9.46  | 65   | 292254   | 45.218 | ng    | 94       |
| 48) Acenaphthylene             | 9.78  | 152  | 1116055  | 34.143 | ng    | 99       |
| 49) Dimethylphthalate          | 9.64  | 163  | 1007248  | 40.701 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 195869   | 41.601 | ng    | 97       |
| 51) Acenaphthene               | 9.95  | 154  | 644020   | 32.945 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 206622   | 35.666 | ng    | 89       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 15733    | 23.504 | ng    | # 20     |
| 54) Dibenzofuran               | 10.12 | 168  | 970778   | 35.238 | ng    | 96       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 304175   | 64.701 | ng    | 94       |
| 56) 2,4-Dinitrotoluene         | 10.11 | 165  | 241932   | 38.934 | ng    | 96       |
| 57) Fluorene                   | 10.47 | 166  | 706300   | 35.237 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 168738   | 38.054 | ng    | 99       |
| 59) Diethylphthalate           | 10.33 | 149  | 850506   | 34.805 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204  | 322280   | 36.346 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 209932   | 38.070 | ng    | 93       |
| 62) Azobenzene                 | 10.62 | 77   | 822120   | 33.677 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 22415    | 19.101 | ng    | 95       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 653313   | 39.593 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 195153   | 39.437 | ng    | 97       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 195513   | 35.815 | ng    | 96       |
| 68) Atrazine                   | 11.10 | 200  | 187221   | 38.461 | ng    | 97       |
| 69) Pentachlorophenol          | 11.21 | 266  | 172596   | 53.859 | ng    | 99       |
| 70) Phenanthrene               | 11.43 | 178  | 910469   | 34.946 | ng    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 938803   | 35.428 | ng    | 99       |
| 72) Carbazole                  | 11.64 | 167  | 902855   | 34.778 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1198827  | 38.016 | ng    | 100      |
| 74) Fluoranthene               | 12.62 | 202  | 837389   | 31.946 | ng    | 98       |
| 76) Benzidine                  | 12.74 | 184  | 567304   | 40.012 | ng    | 97       |
| 77) Pyrene                     | 12.85 | 202  | 843440   | 34.867 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.46 | 149  | 462859   | 40.172 | ng    | 93       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 716148   | 36.913 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 288179   | 40.061 | ng    | 97       |
| 82) Chrysene                   | 14.08 | 228  | 683944   | 34.971 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 632563   | 42.687 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 1063352  | 47.790 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.05 | 276  | 617205   | 38.051 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 15.10 | 252  | 708512   | 37.598 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.13 | 252  | 612227   | 34.002 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.48 | 252  | 617883   | 36.427 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.07 | 278  | 517389   | 37.580 | ng    | 100      |
| 91) Benzo(g,h,i)perylene       | 17.51 | 276  | 503450   | 37.360 | ng    | 97       |

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





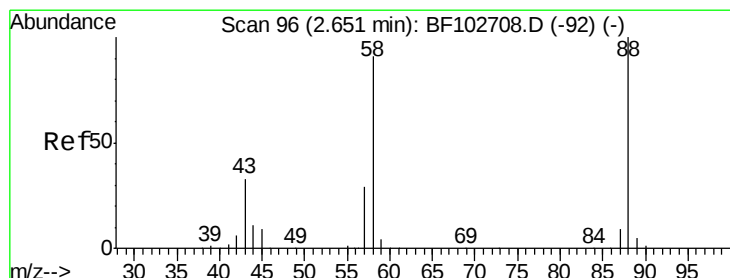
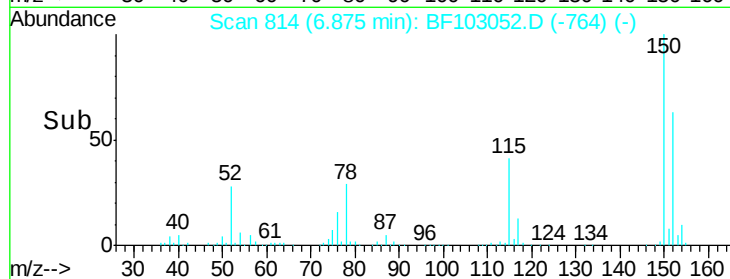
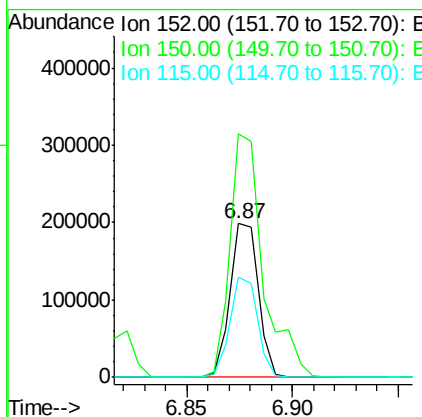
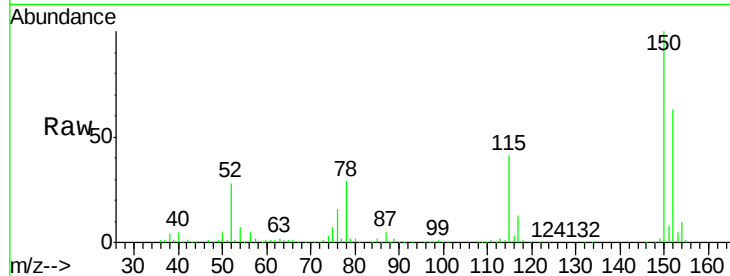
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.87 min Scan# 814  
 Delta R.T. -0.01 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 124.6 | 186.8 |
| 115     | 65.6  | 50.1  | 75.1  |

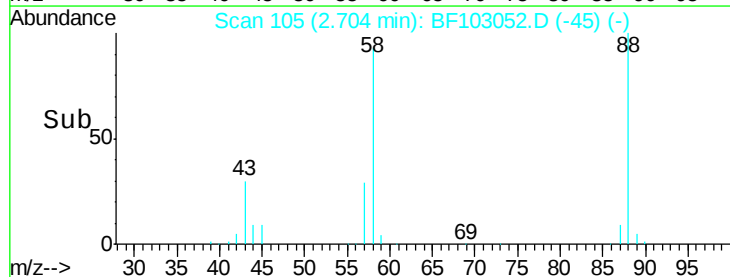
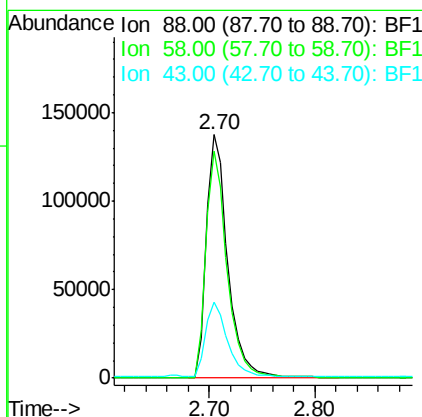
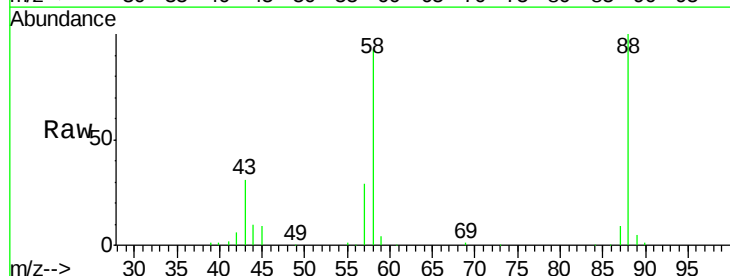
Manual Integrations  
 APPROVED

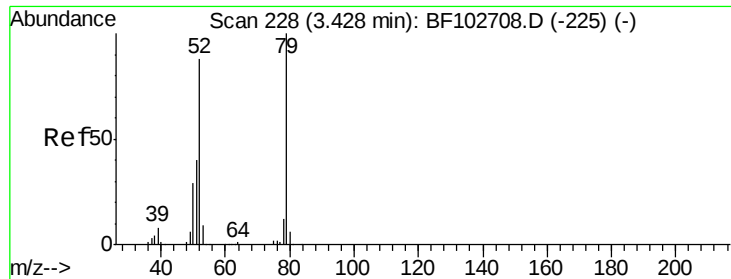
Sohil  
 2/27/2018 2:32:19 PM



#2  
 1,4-Dioxane  
 Concen: 32.747 ng  
 RT: 2.70 min Scan# 105  
 Delta R.T. 0.05 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 93.2  | 62.6  | 93.8  |
| 43      | 31.3  | 24.6  | 37.0  |





#3

Pyridine

Concen: 33.206 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.06 min

Lab File: BF103052.D

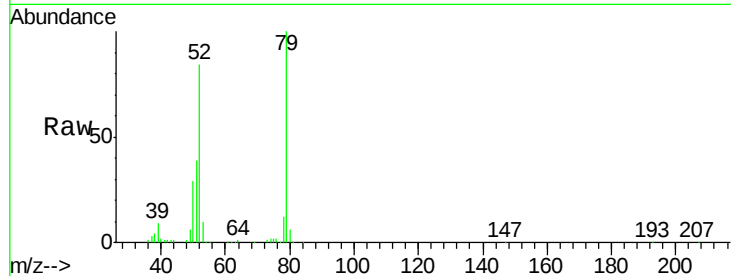
Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

ClientSampleId :

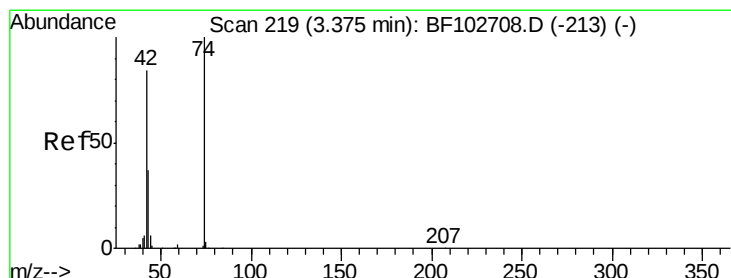
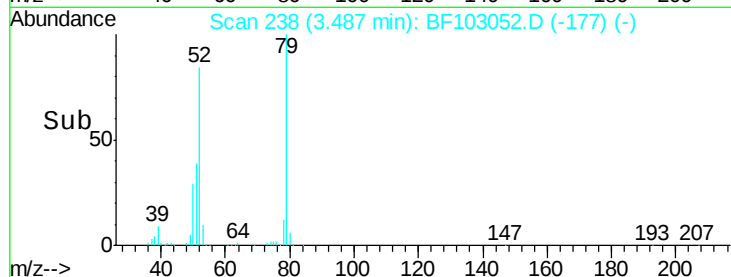
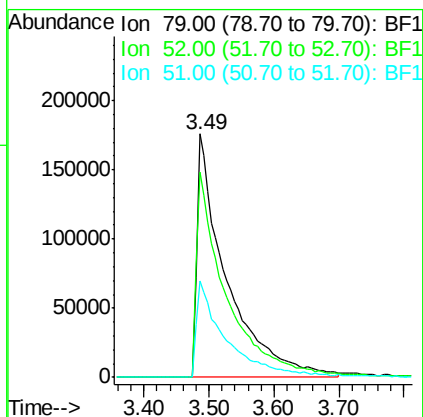
RO-155MS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 84.2  | 59.8  | 89.6  |
| 51      | 39.3  | 29.8  | 44.8  |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#4

n-Nitrosodimethylamine

Concen: 39.854 ng

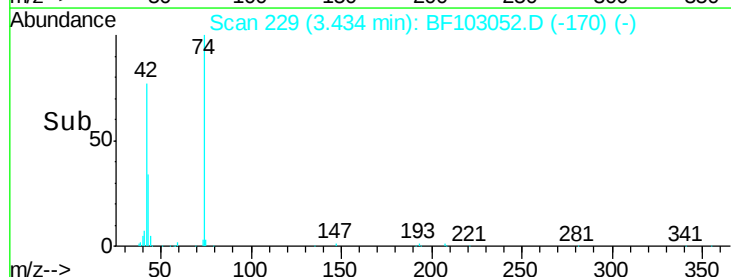
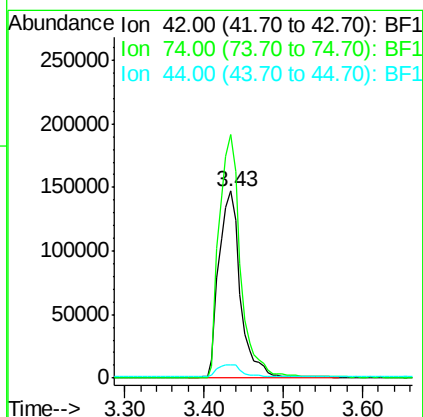
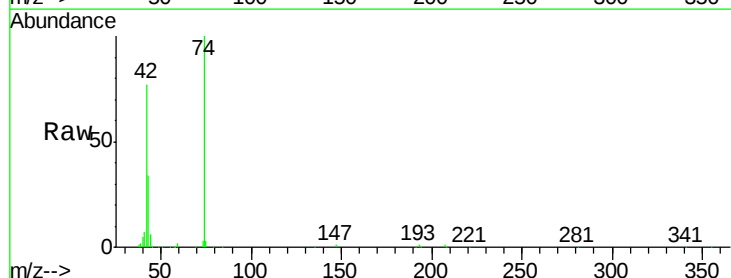
RT: 3.43 min Scan# 229

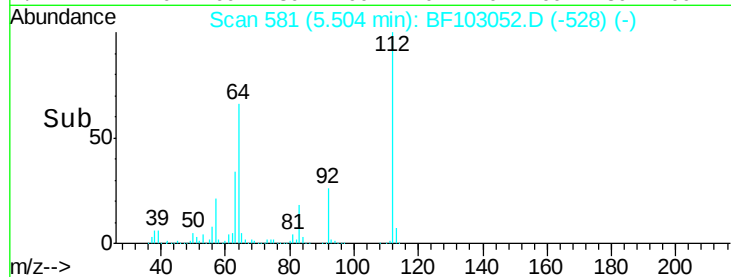
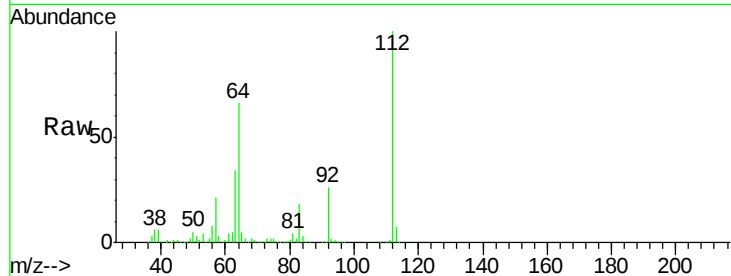
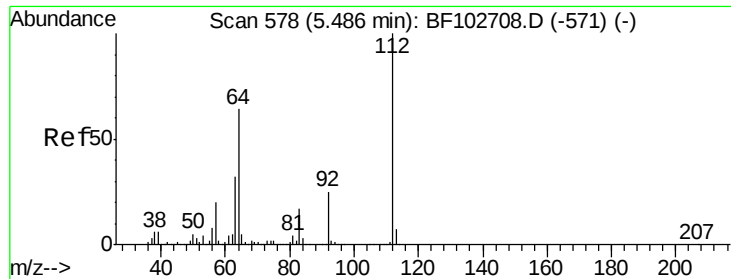
Delta R.T. 0.05 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 130.2 | 104.9 | 157.3 |
| 44      | 7.3   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 105.063 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 112   | Resp: | 1267706 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 66.1  | 47.9  | 71.9    |
| 63       | 33.7  | 23.7  | 35.5    |

Instrument :

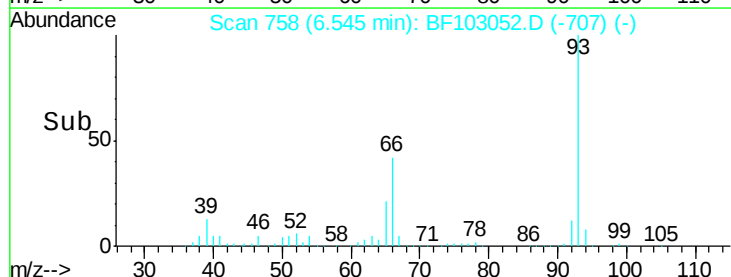
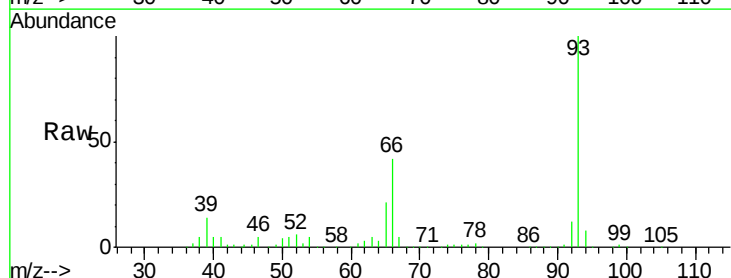
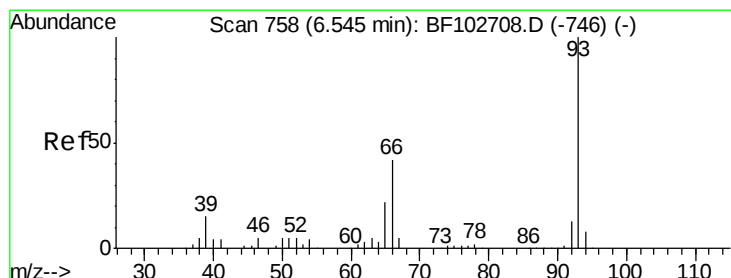
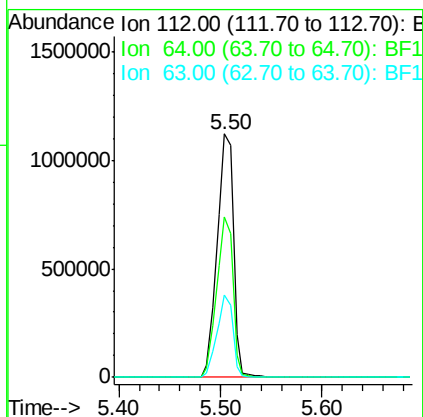
BNA\_F

ClientSampleId :

RO-155MS

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#6

Aniline

Concen: 27.371 ng

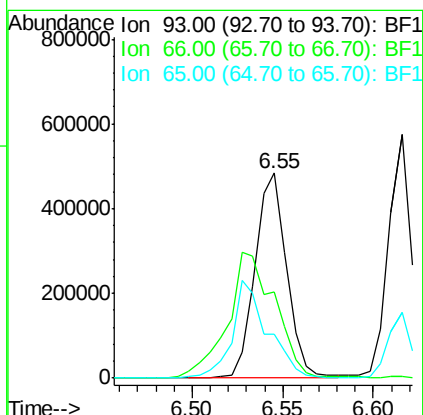
RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 587253 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 42.1  | 32.2  | 48.2   |
| 65       | 21.4  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 105.071 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

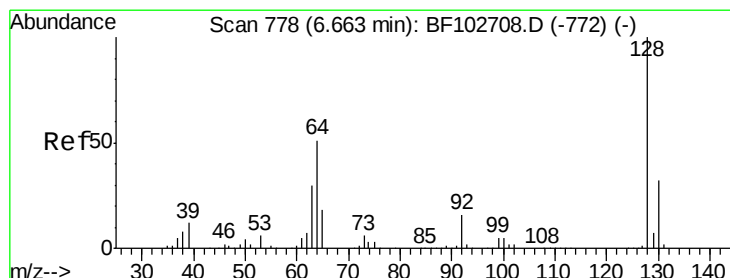
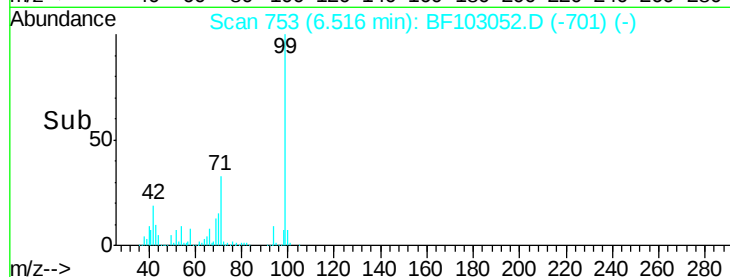
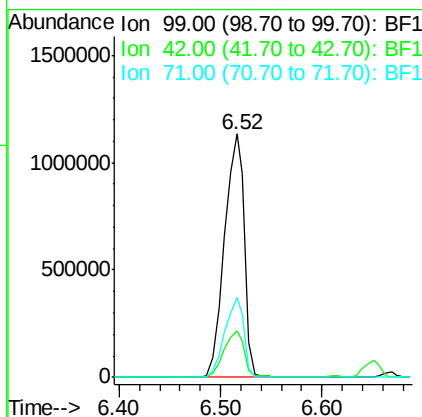
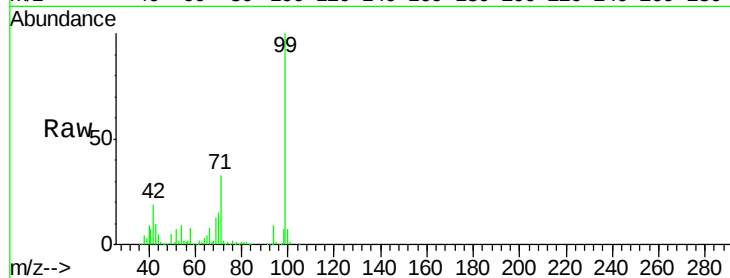
ClientSampleId :

RO-155MS

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 99    | Resp: | 1526511 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 19.3  | 14.5  | 21.7    |
| 71       | 33.0  | 25.4  | 38.0    |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#8

2-Chlorophenol

Concen: 38.461 ng

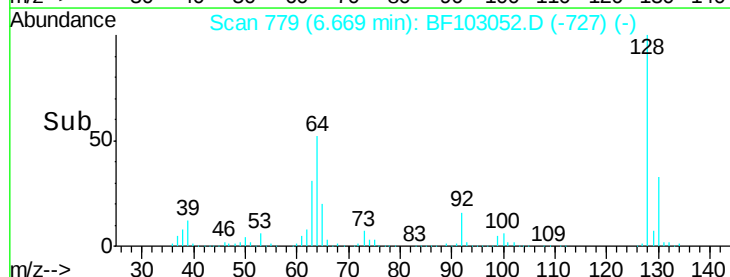
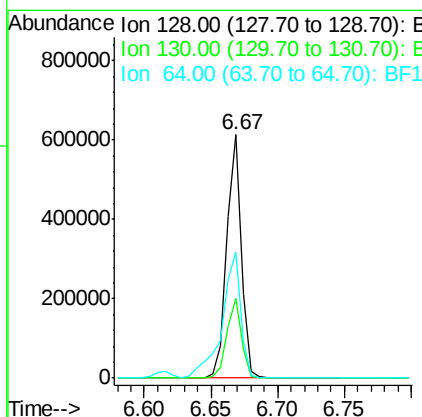
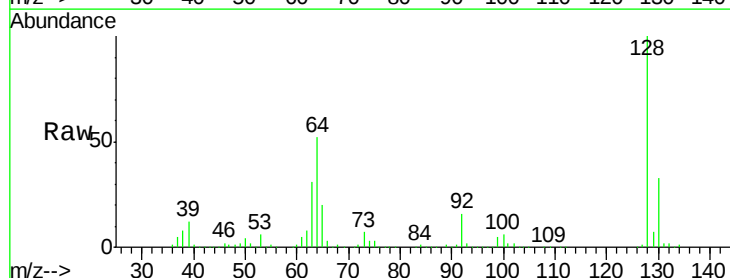
RT: 6.67 min Scan# 779

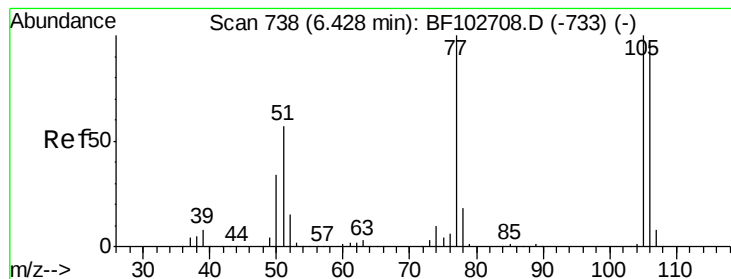
Delta R.T. 0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 477774 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 32.7  | 13.0  | 53.0   |
| 64       | 51.7  | 29.4  | 69.4   |





#9

Benzaldehyde

Concen: 9.906 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

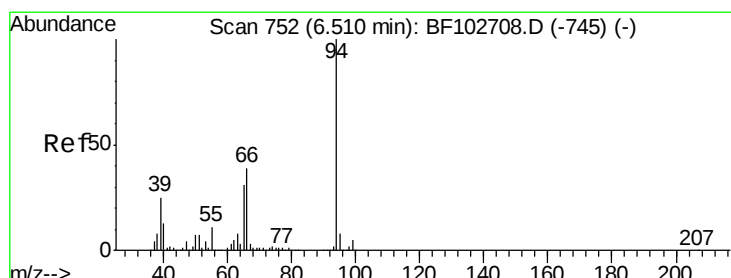
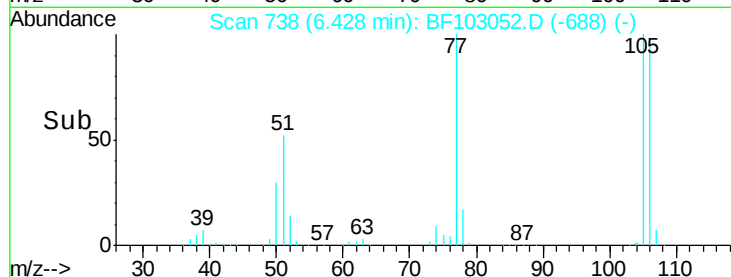
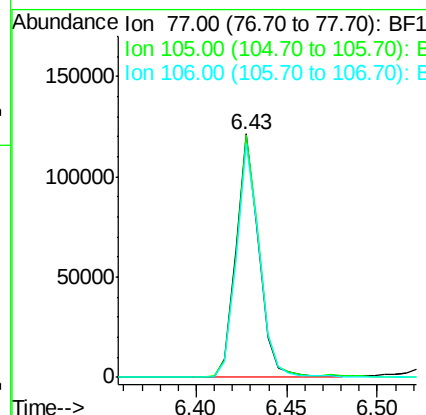
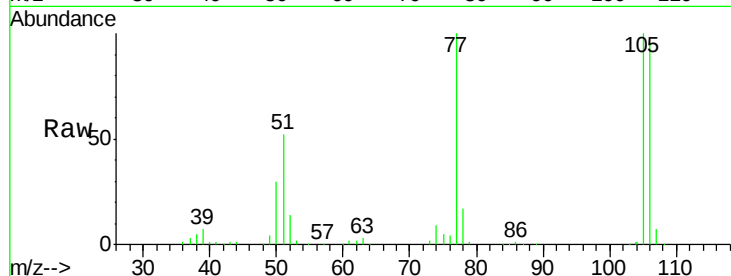
ClientSampleId :

RO-155MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 106873 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 99.5  | 81.1  | 121.1  |
| 106       | 95.8  | 74.5  | 114.5  |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#10

Phenol

Concen: 41.656 ng

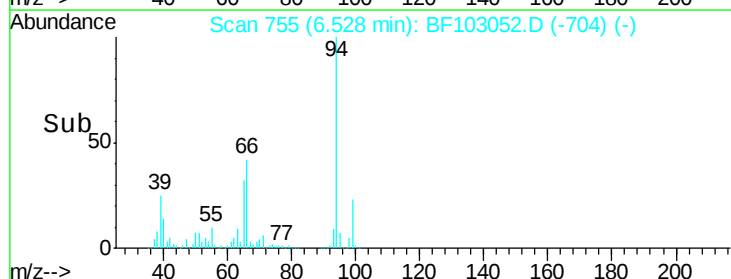
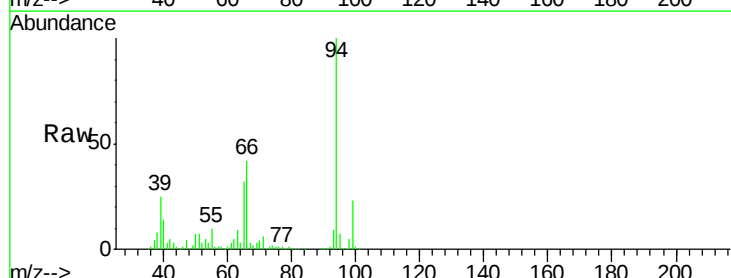
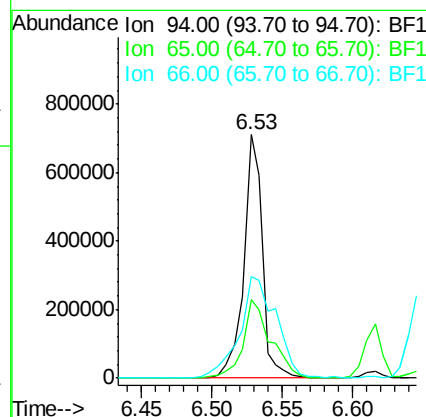
RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 648585 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 32.4  | 7.9   | 47.9   |
| 66        | 41.6  | 16.2  | 56.2   |





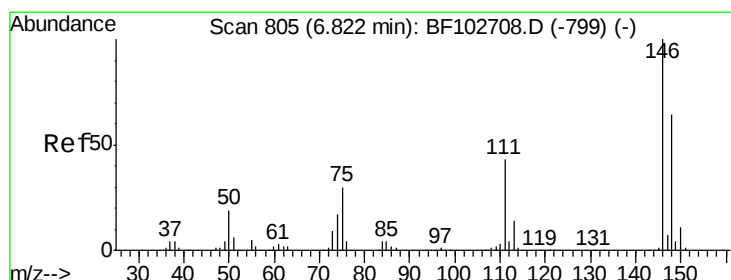
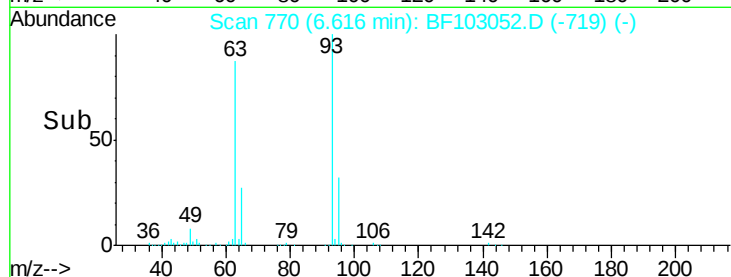
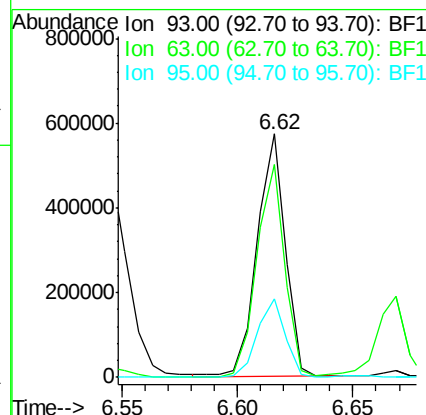
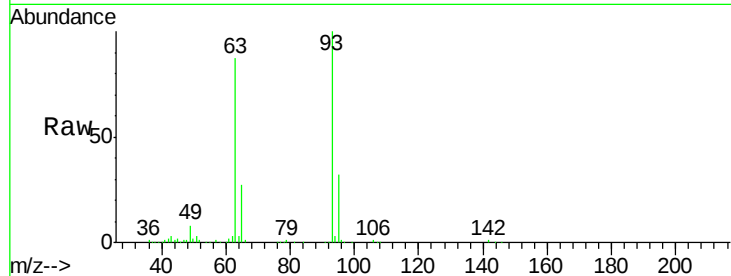
#11  
 bis(2-Chloroethyl)ether  
 Concen: 37.666 ng  
 RT: 6.62 min Scan# 770  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 488002 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 87.3  | 58.6  | 98.6   |
| 95       | 32.3  | 11.8  | 51.8   |

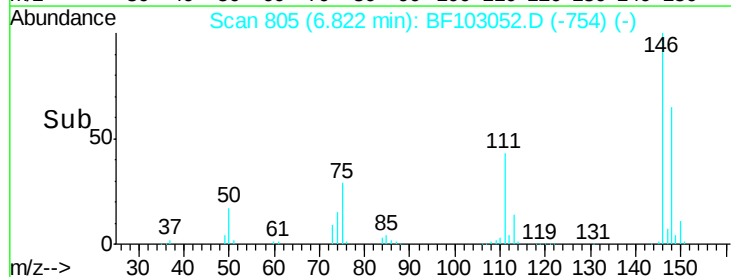
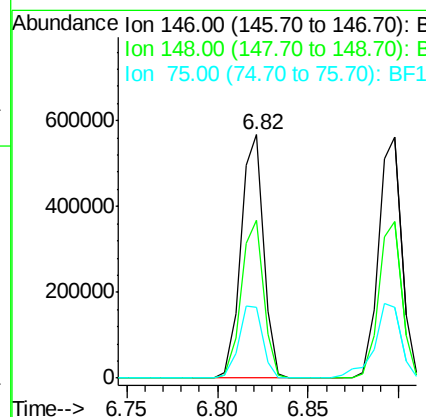
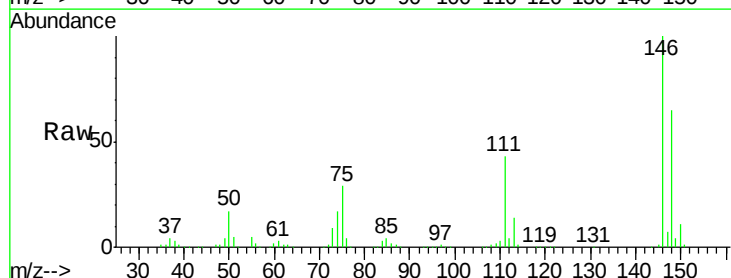
Manual Integrations  
 APPROVED

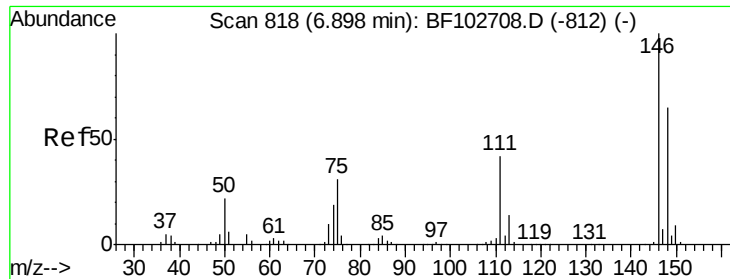
Sohil  
 2/27/2018 2:32:19 PM



#12  
 1,3-Dichlorobenzene  
 Concen: 34.328 ng  
 RT: 6.82 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 493806 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.9  | 51.8  | 77.8   |
| 75       | 29.2  | 24.2  | 36.4   |





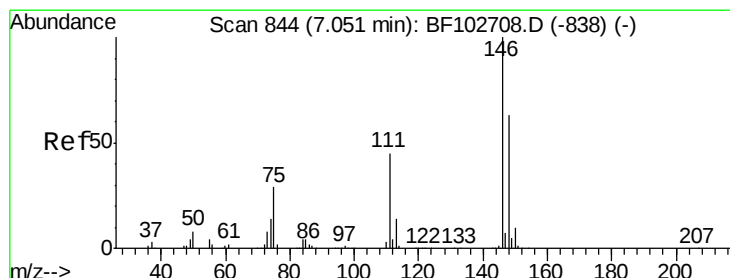
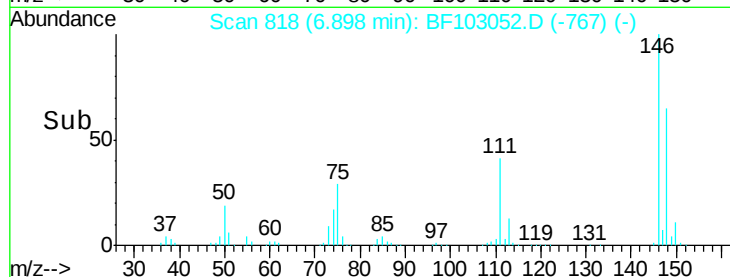
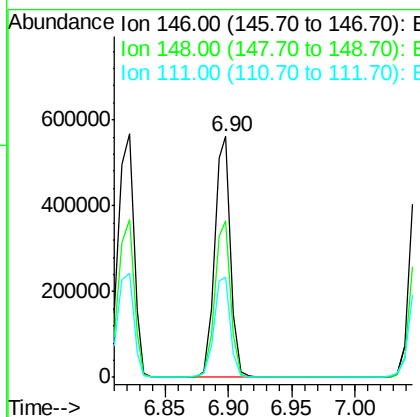
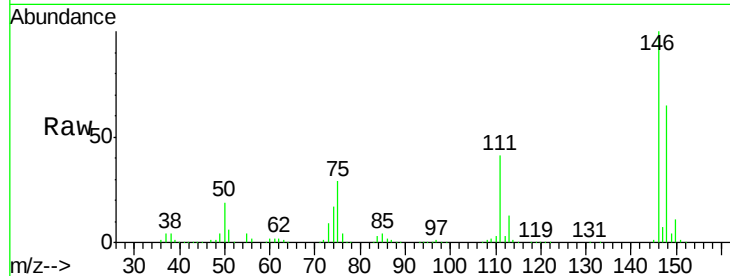
#13  
 1,4-Dichlorobenzene  
 Concen: 34.916 ng  
 RT: 6.90 min Scan# 818  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 500334 |       |       |
| 148     | 65.1  | 50.8   | 76.2  |       |
| 111     | 41.5  | 34.2   | 51.2  |       |

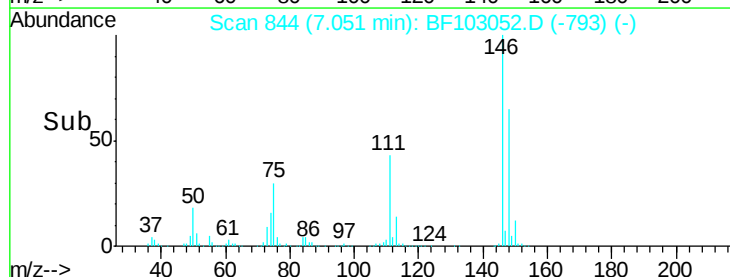
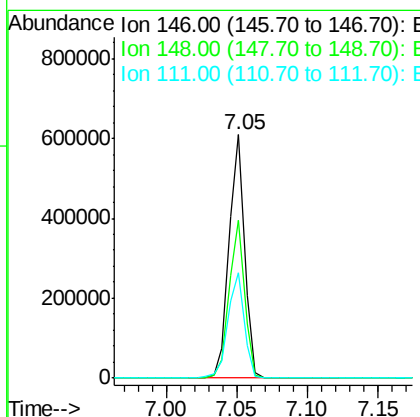
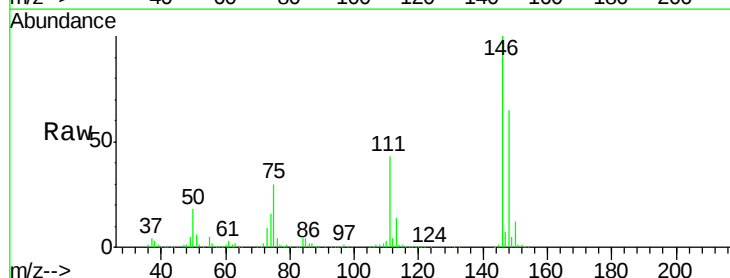
Manual Integrations  
 APPROVED

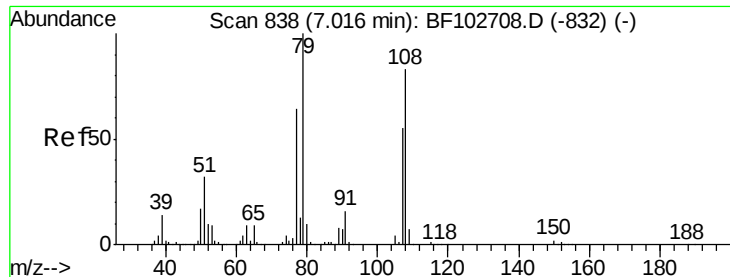
Sohil  
 2/27/2018 2:32:19 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 34.971 ng  
 RT: 7.05 min Scan# 844  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 466753 |       |       |
| 148     | 64.7  | 50.6   | 75.8  |       |
| 111     | 43.1  | 36.0   | 54.0  |       |





#15

Benzyl Alcohol

Concen: 37.556 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

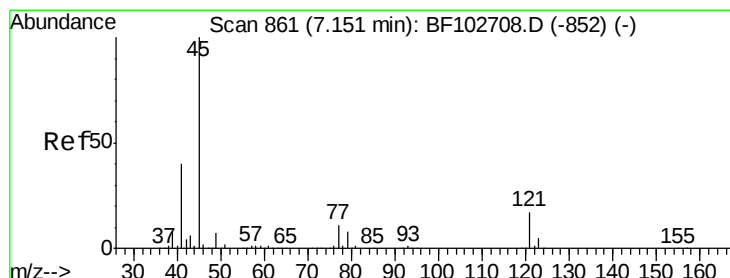
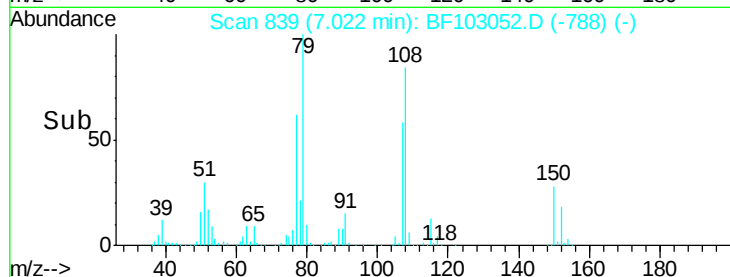
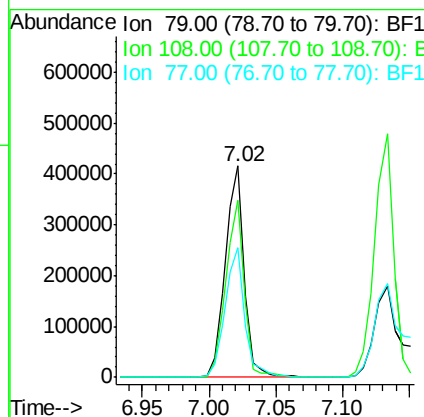
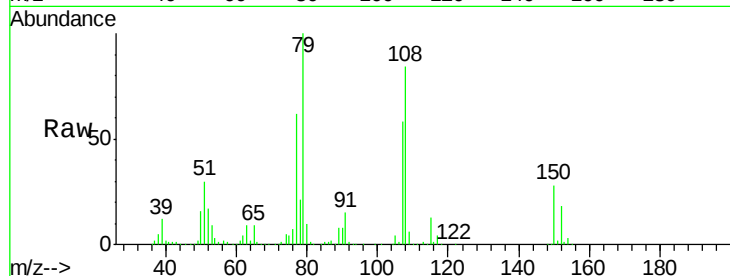
ClientSampleId :

RO-155MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 79    | Resp: | 419490 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 83.8  | 65.1  | 97.7   |
| 77       | 61.6  | 50.6  | 75.8   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.850 ng

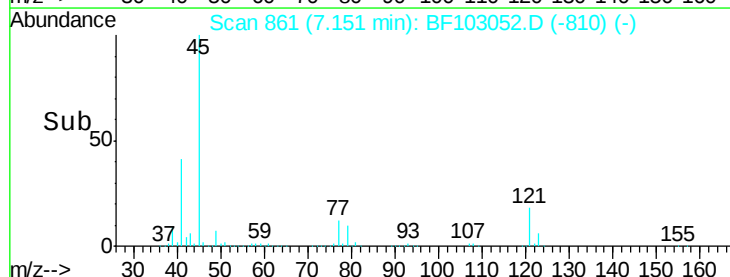
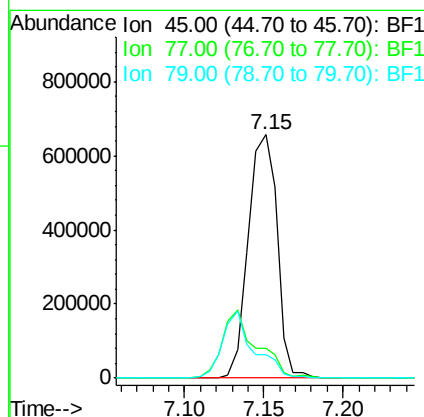
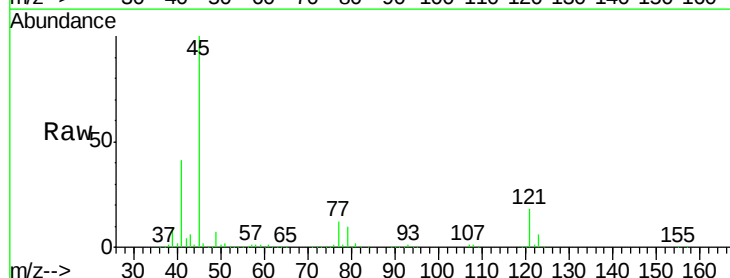
RT: 7.15 min Scan# 861

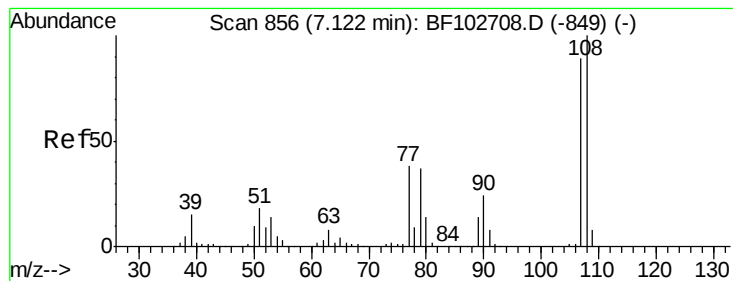
Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 833099 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 12.0  | 0.0   | 32.9   |
| 79       | 9.5   | 0.0   | 29.6   |





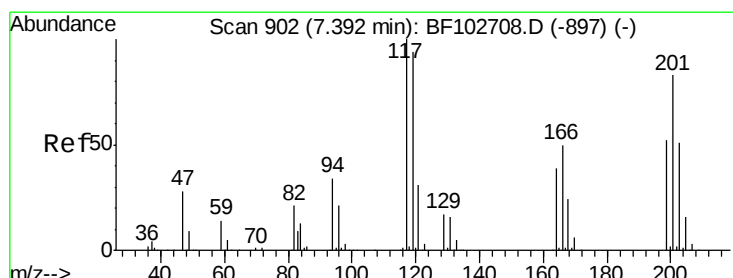
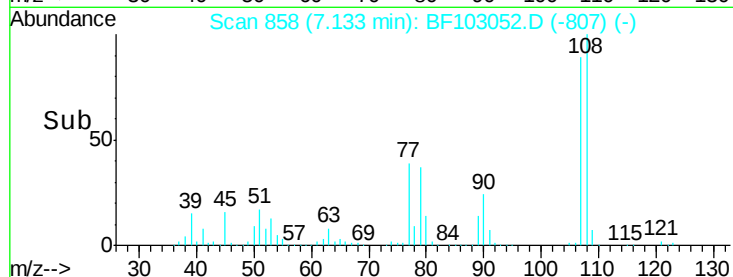
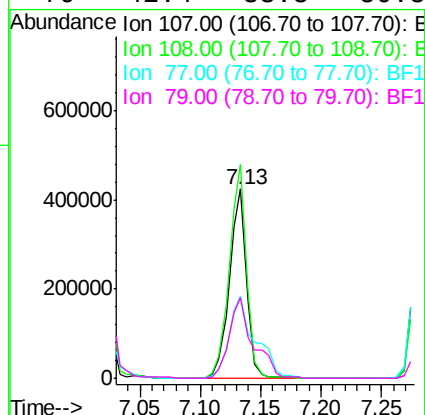
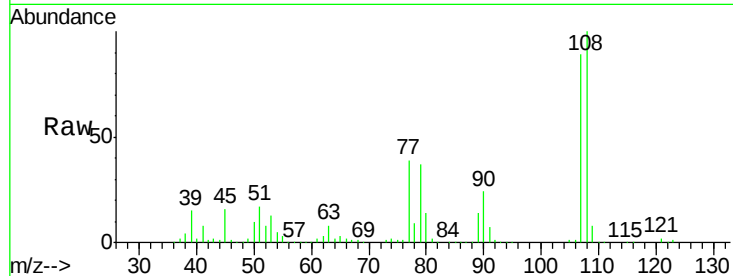
#17  
2-Methylphenol  
Concen: 36.264 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 415524 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 113.0 | 91.7  | 137.5  |
| 77        | 43.7  | 33.8  | 50.8   |
| 79        | 42.4  | 33.8  | 50.8   |

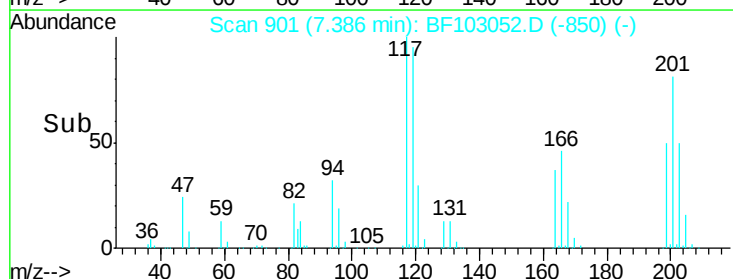
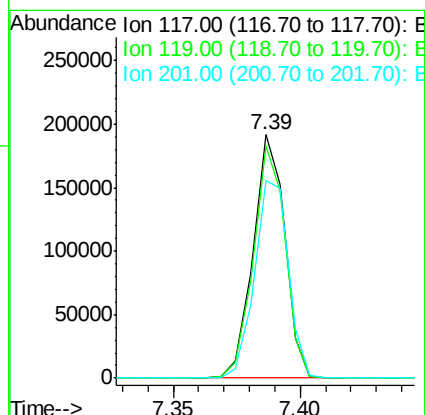
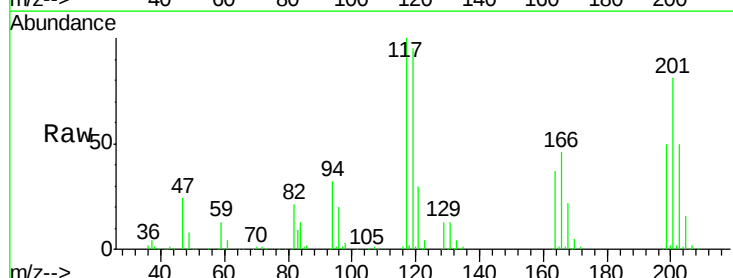
Manual Integrations  
APPROVED

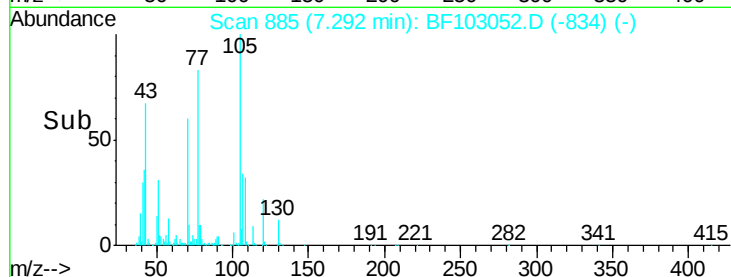
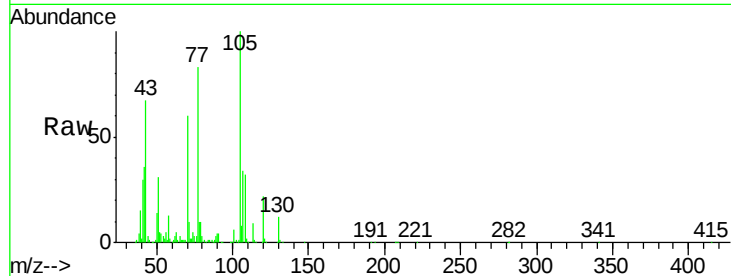
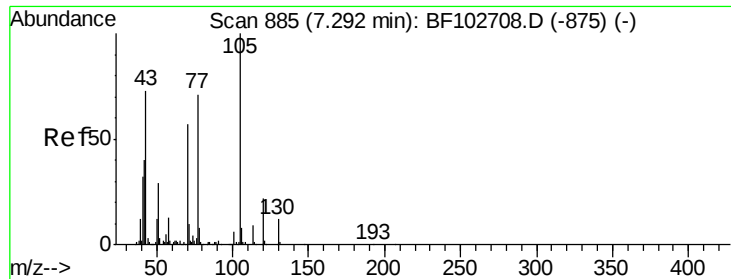
Sohil  
2/27/2018 2:32:19 PM



#18  
Hexachloroethane  
Concen: 34.018 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 167158 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.2  | 75.8  | 113.8  |
| 201       | 81.1  | 75.7  | 113.5  |





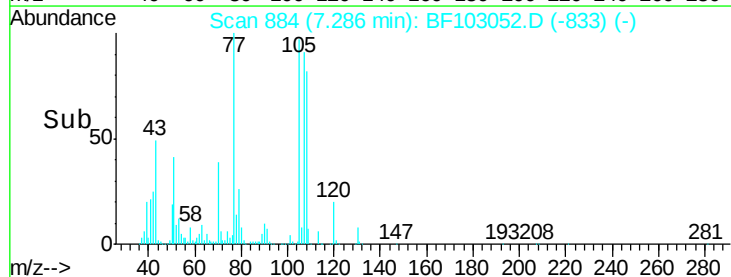
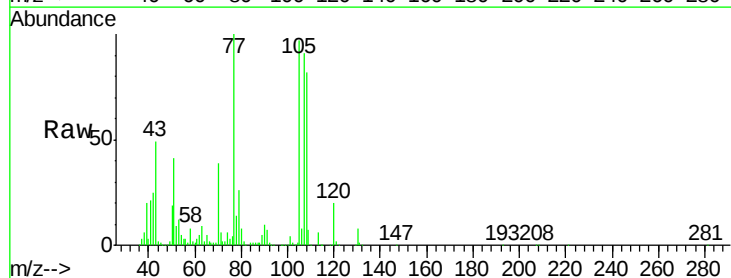
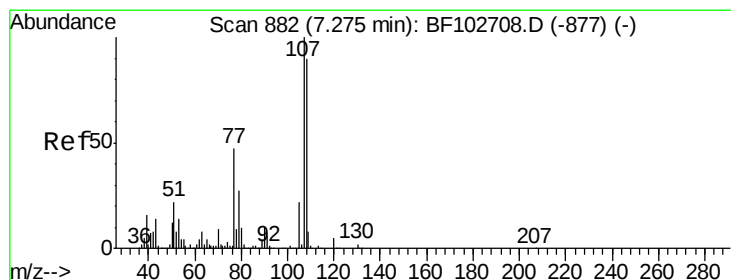
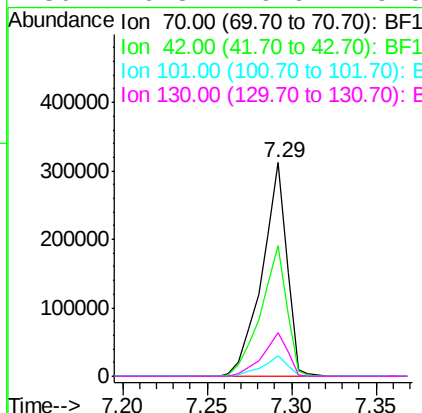
#19  
n-Nitroso-di-n-propylamine  
Concen: 33.130 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 60.9  | 47.5  | 71.3  |
| 101     | 9.6   | 7.4   | 11.2  |
| 130     | 20.3  | 16.6  | 25.0  |

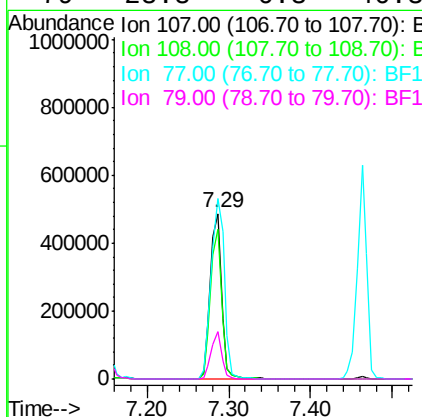
Manual Integrations  
APPROVED

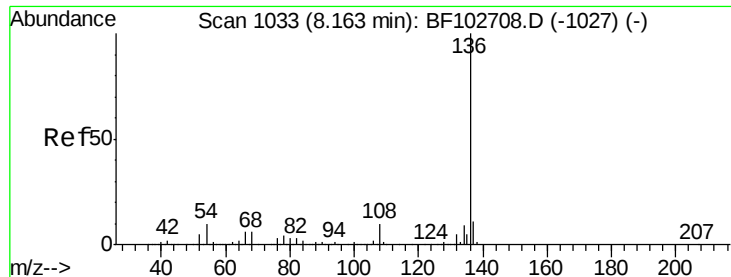
Sohil  
2/27/2018 2:32:19 PM



#20  
3+4-Methylphenols  
Concen: 33.293 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 90.3  | 68.2  | 108.2 |
| 77      | 109.5 | 26.7  | 66.7# |
| 79      | 28.8  | 6.3   | 46.3  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

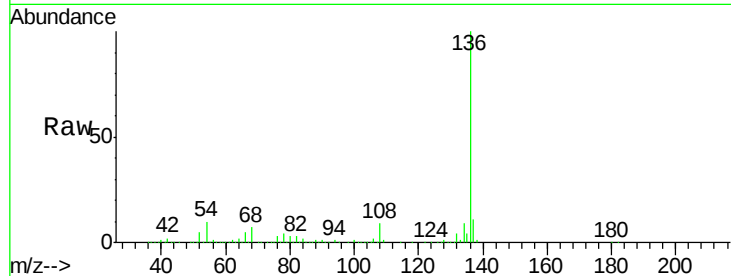
ClientSampleId :

RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 757247 |       |       |
| 137     | 11.2  | 8.9    | 13.3  |       |
| 54      | 9.7   | 6.6    | 9.8   |       |
| 68      | 6.6   | 5.0    | 7.4   |       |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM

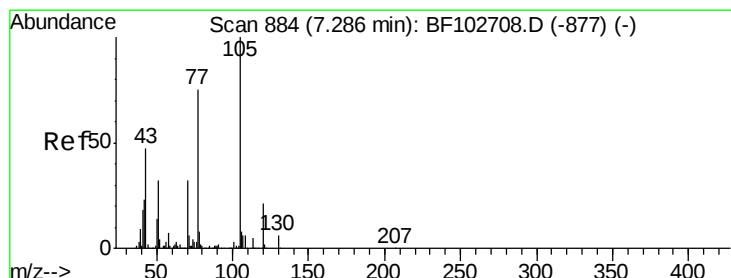
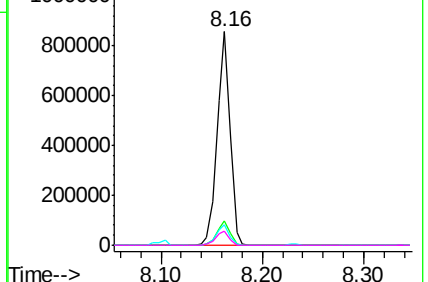
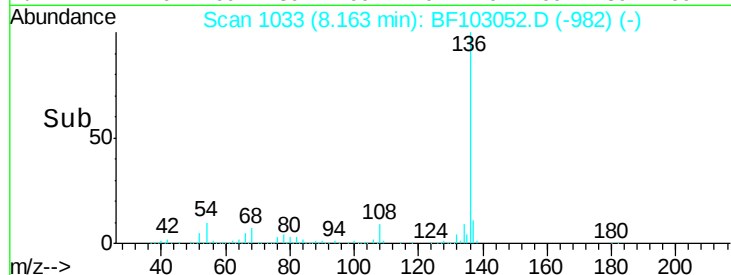


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 33.739 ng

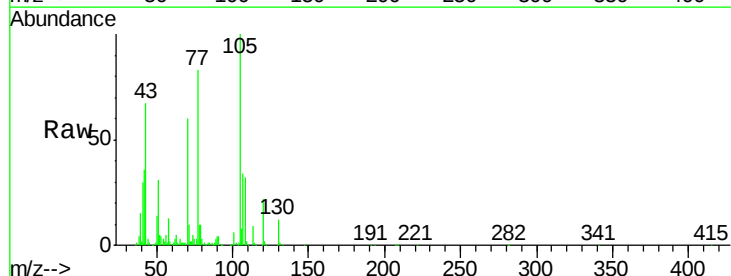
RT: 7.29 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 625195 |       |       |
| 71      | 10.0  | 4.4    | 6.6#  |       |
| 51      | 31.4  | 22.3   | 33.5  |       |
| 120     | 22.0  | 16.9   | 25.3  |       |

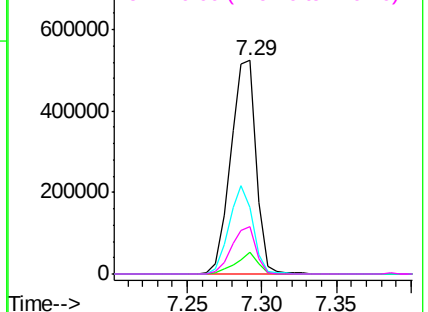
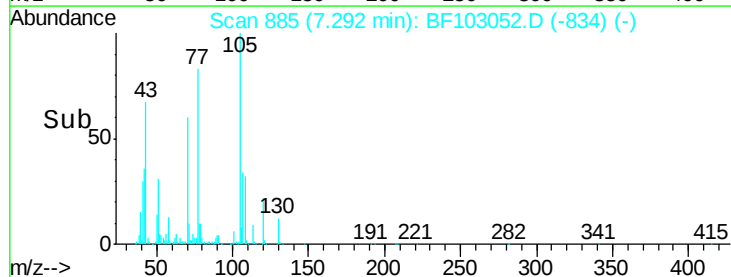


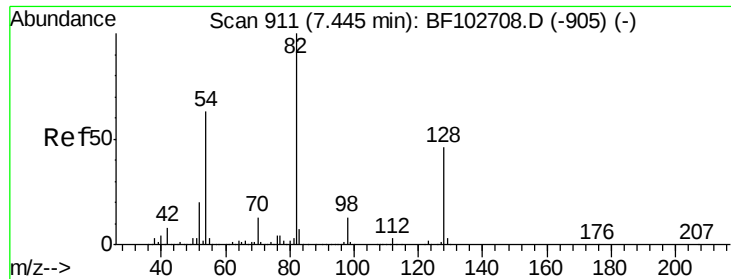
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





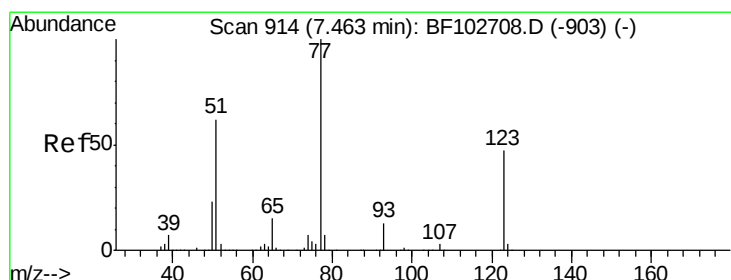
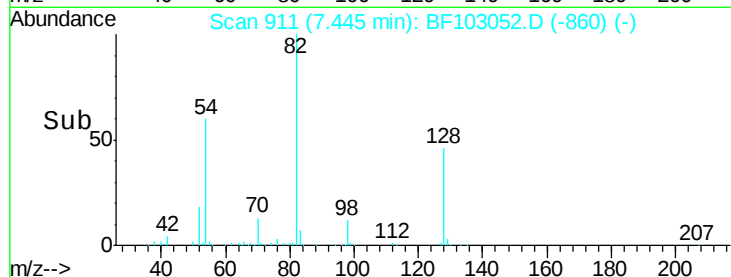
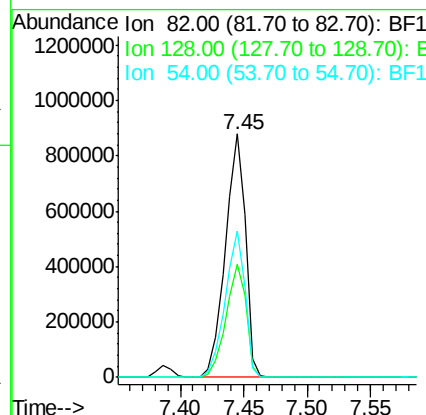
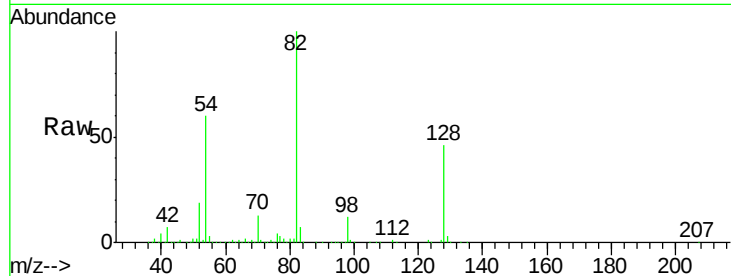
#23  
 Nitrobenzene-d5  
 Concen: 89.075 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.3  | 36.1  | 54.1  |
| 54      | 60.0  | 41.4  | 62.2  |

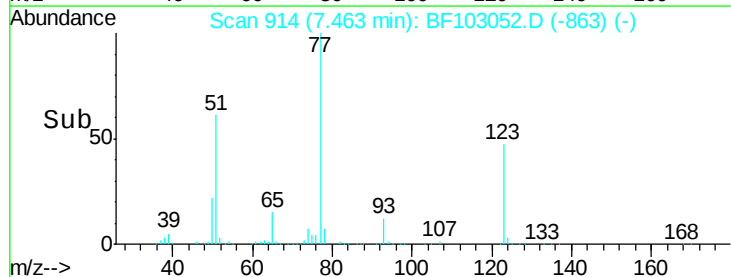
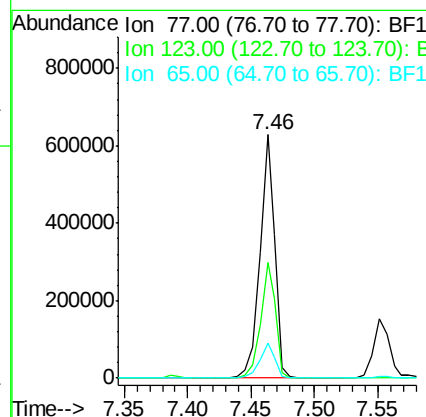
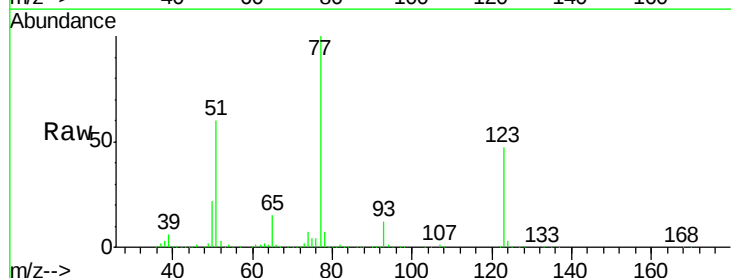
Manual Integrations  
 APPROVED

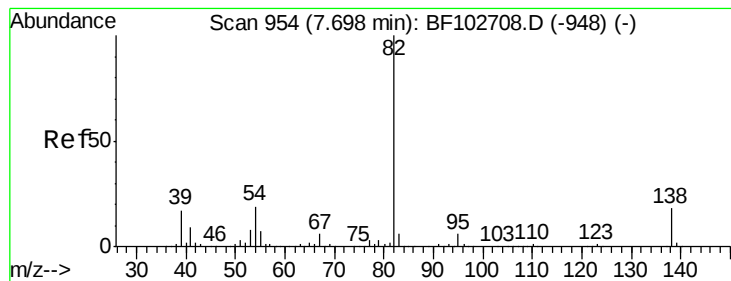
Sohil  
 2/27/2018 2:32:19 PM



#24  
 Nitrobenzene  
 Concen: 40.347 ng  
 RT: 7.46 min Scan# 914  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 47.4  | 37.9  | 56.9  |
| 65      | 14.6  | 11.0  | 16.4  |





#25

Isophorone

Concen: 38.082 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

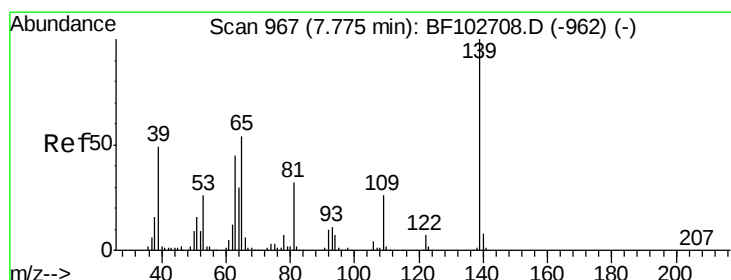
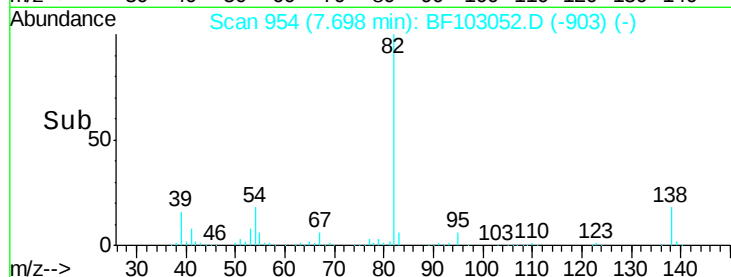
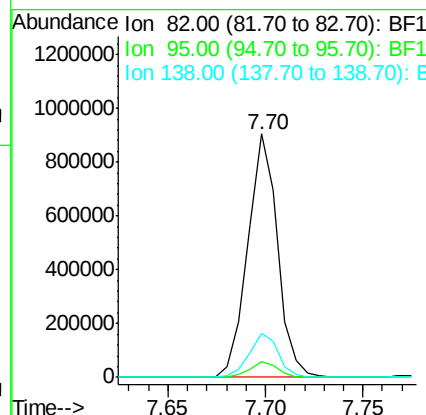
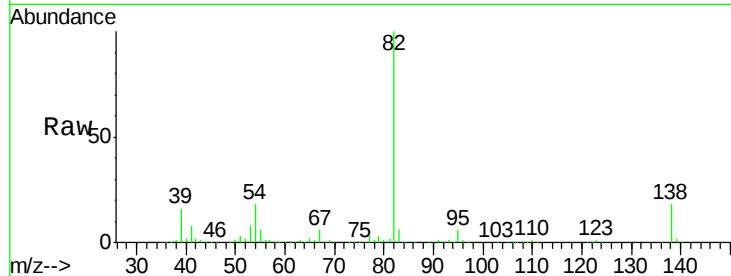
ClientSampleId :

RO-155MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 957220 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.3   | 5.2   | 7.8    |
| 138       | 17.8  | 14.9  | 22.3   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#26

2-Nitrophenol

Concen: 47.971 ng

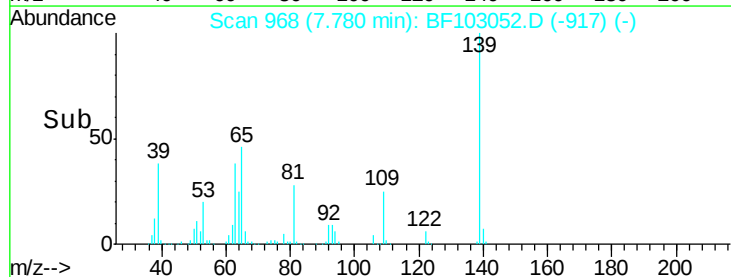
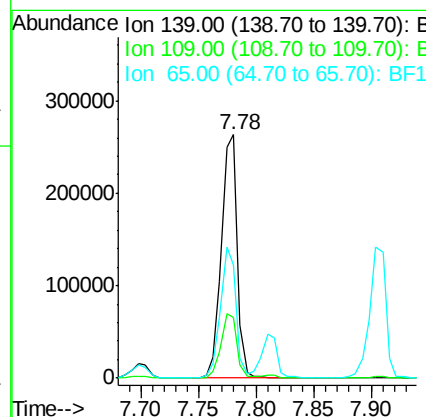
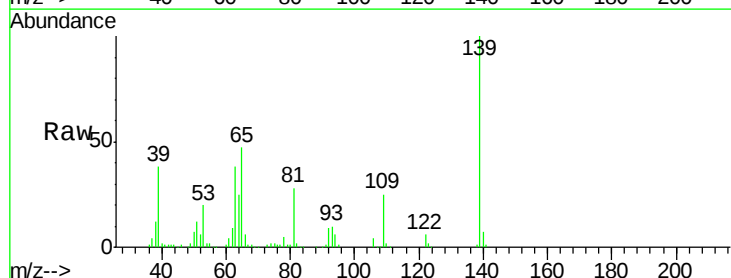
RT: 7.78 min Scan# 968

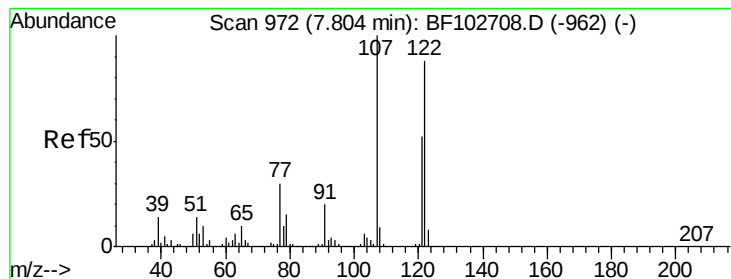
Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 253019 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 24.8  | 22.7  | 34.1   |
| 65        | 46.6  | 40.5  | 60.7   |





#27

2,4-Dimethylphenol

Concen: 40.191 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

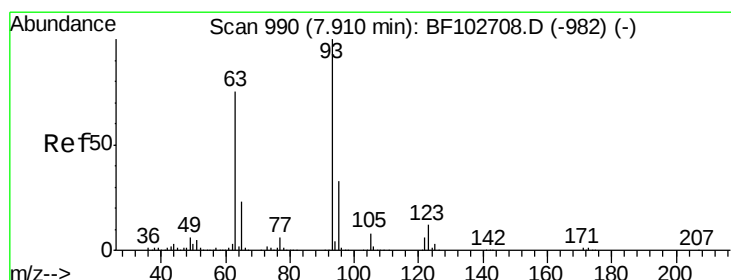
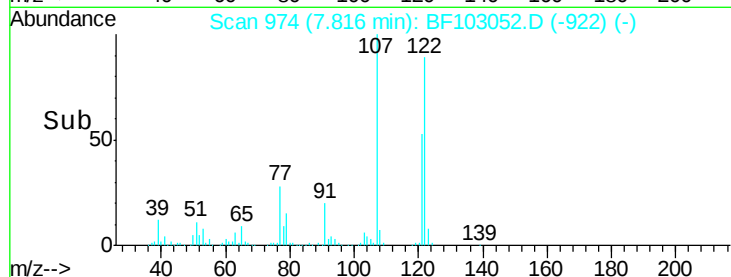
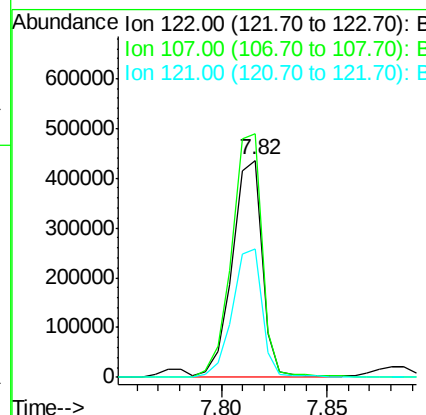
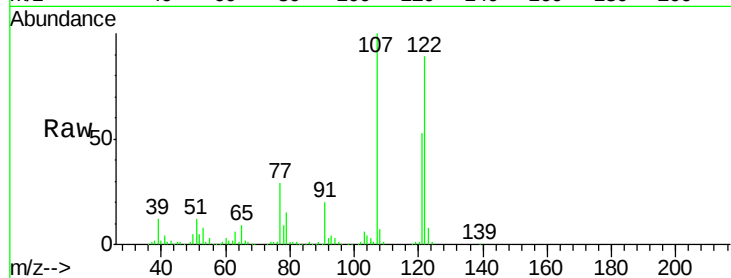
ClientSampleId :

RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 426798 |       |       |
| 107     | 112.1 | 91.2   | 136.8 |       |
| 121     | 58.9  | 47.2   | 70.8  |       |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#28

bis(2-Chloroethoxy)methane

Concen: 40.641 ng

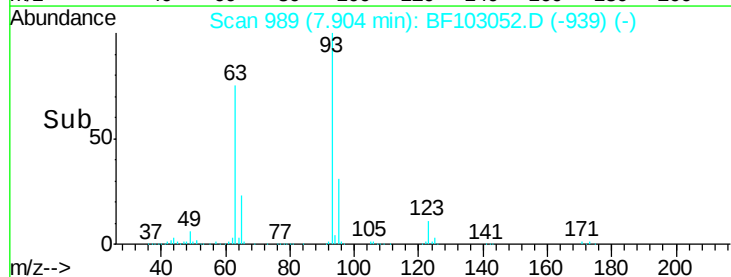
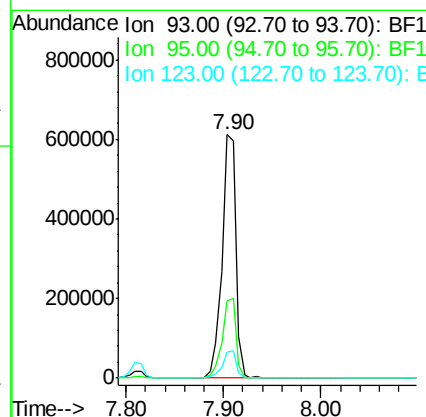
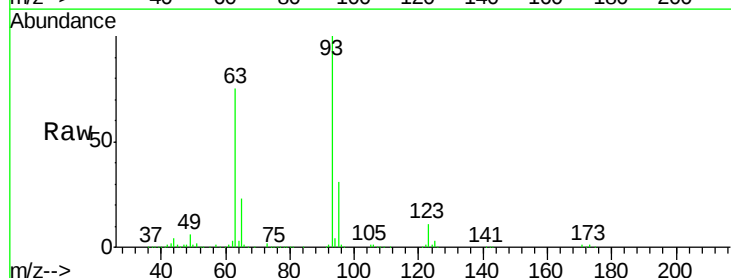
RT: 7.90 min Scan# 989

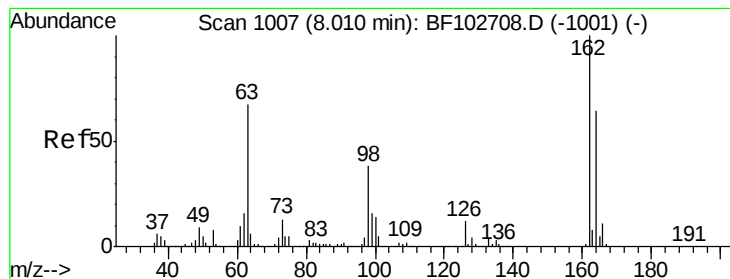
Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 605150 |       |       |
| 95      | 31.5  | 26.3   | 39.5  |       |
| 123     | 10.8  | 9.8    | 14.6  |       |





#29

2,4-Dichlorophenol

Concen: 39.893 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

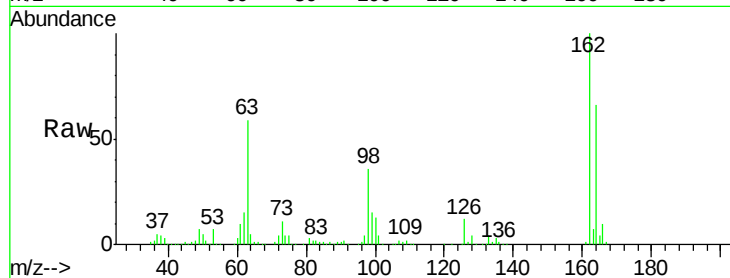
ClientSampleId :

RO-155MS

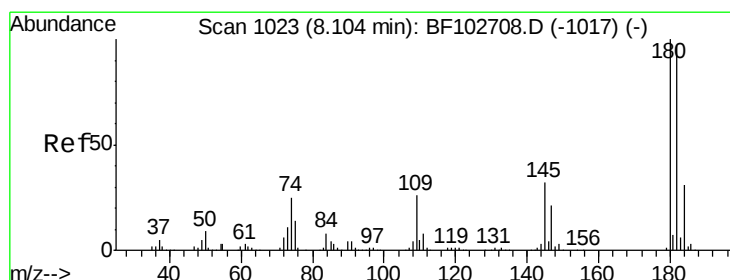
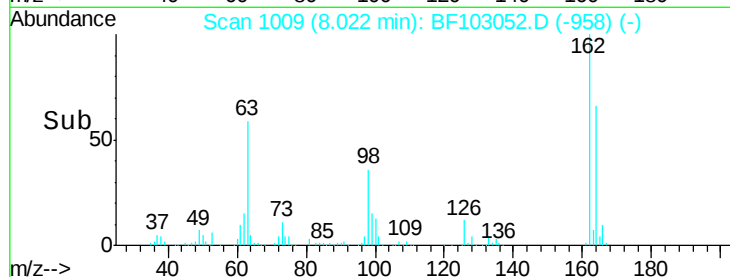
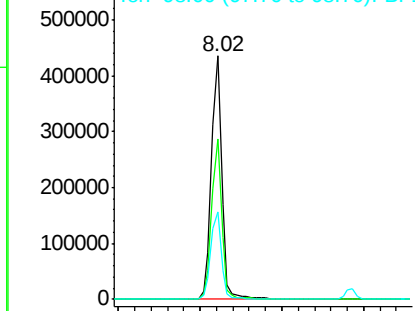
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 385118 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 65.6  | 42.7  | 82.7   |
| 98        | 35.9  | 18.1  | 58.1   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 34.539 ng

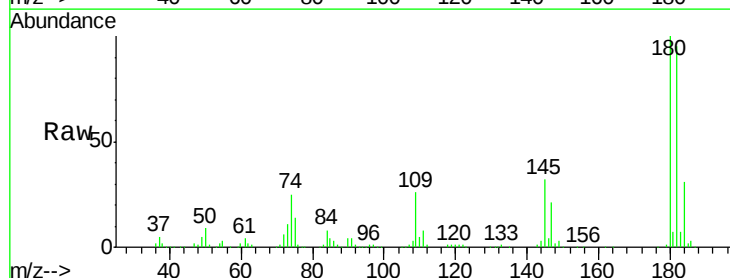
RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

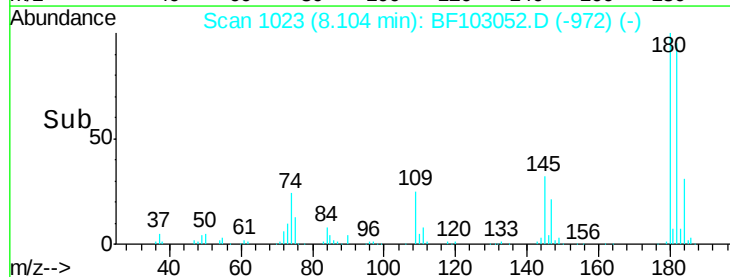
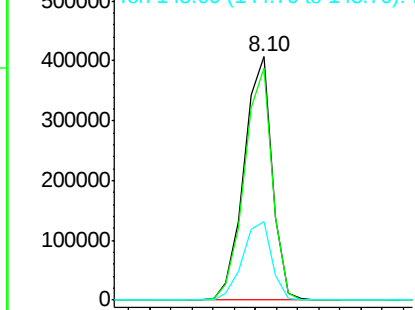
Lab File: BF103052.D

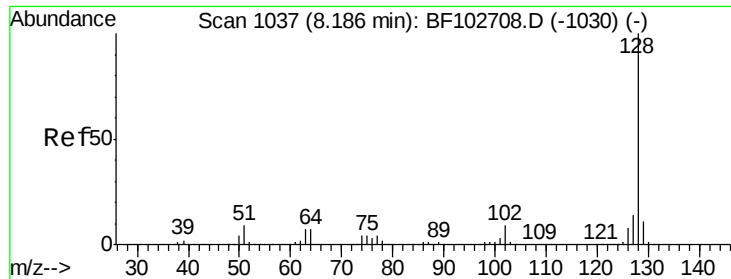
Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 377203 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.4  | 76.8  | 115.2  |
| 145       | 32.2  | 26.5  | 39.7   |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





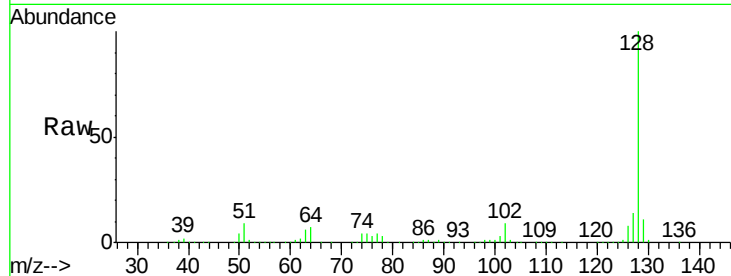
#31  
Naphthalene  
Concen: 35.123 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

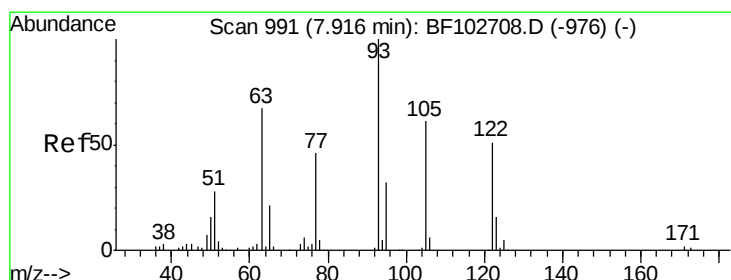
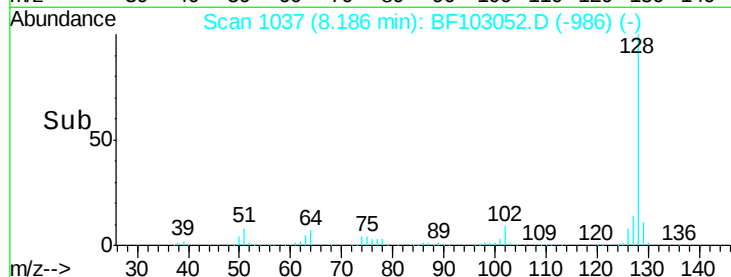
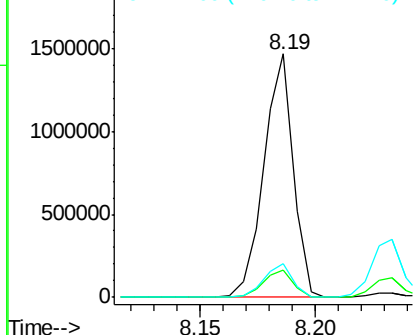
Tgt Ion:128 Resp: 1299460  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.8 13.2  
127 13.9 10.9 16.3

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM

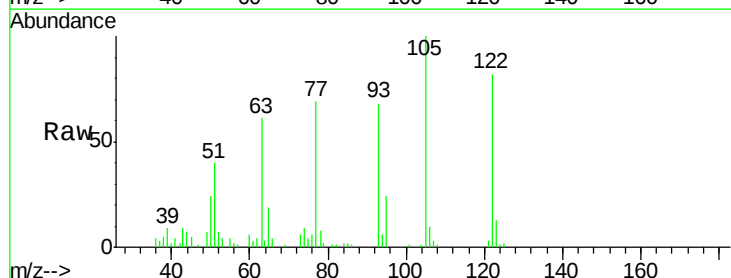


Abundance Ion 128.00 (127.70 to 128.70): E  
2000000  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

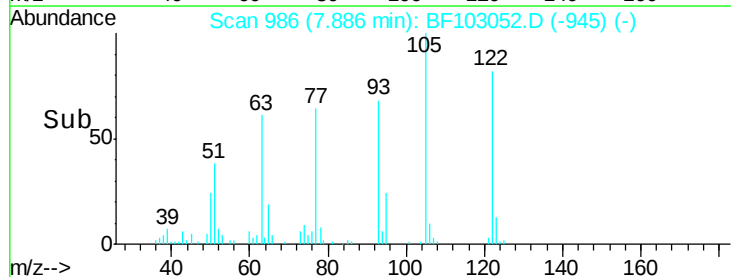
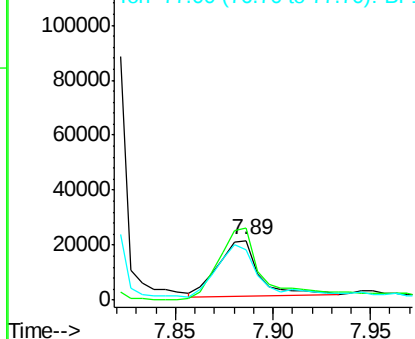


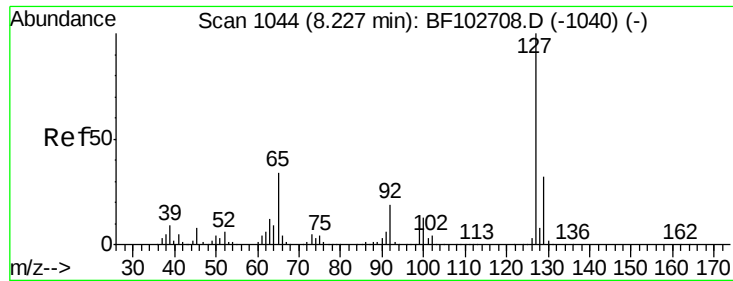
#32  
Benzoic acid  
Concen: 12.234 ng  
RT: 7.89 min Scan# 986  
Delta R.T. -0.06 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Tgt Ion:122 Resp: 29041  
Ion Ratio Lower Upper  
122 100  
105 122.3 101.1 141.1  
77 84.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E  
120000  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





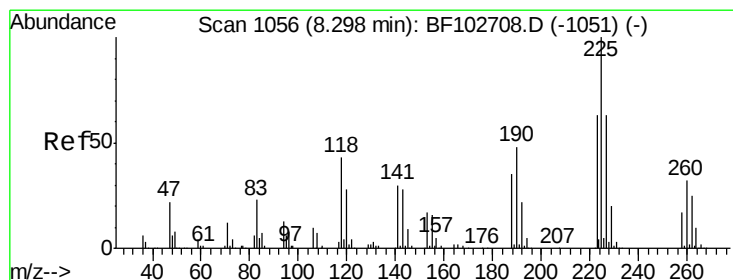
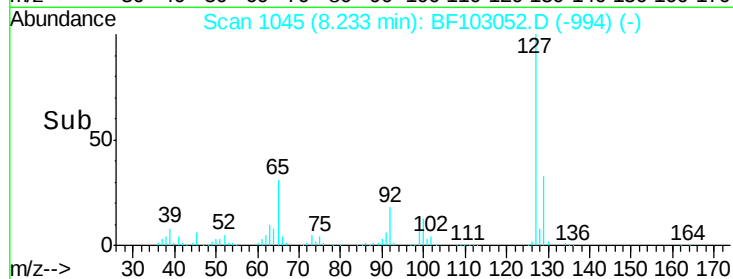
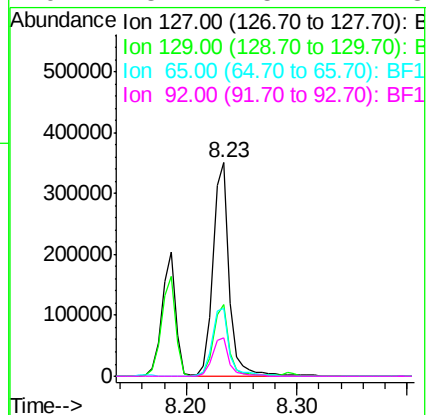
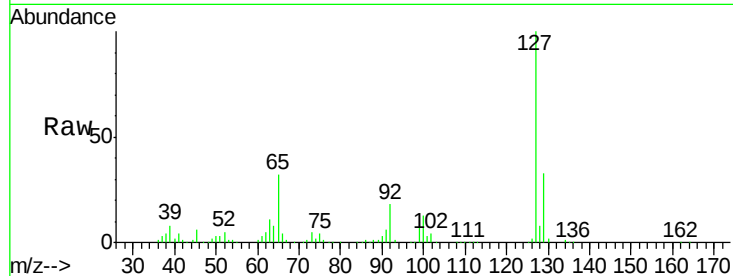
#33  
 4-Chloroaniline  
 Concen: 21.799 ng  
 RT: 8.23 min Scan# 1045  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 127     | 100   | 347432 |       |       |
| 129     | 33.3  | 25.9   | 38.9  |       |
| 65      | 31.6  | 25.0   | 37.4  |       |
| 92      | 18.2  | 15.2   | 22.8  |       |

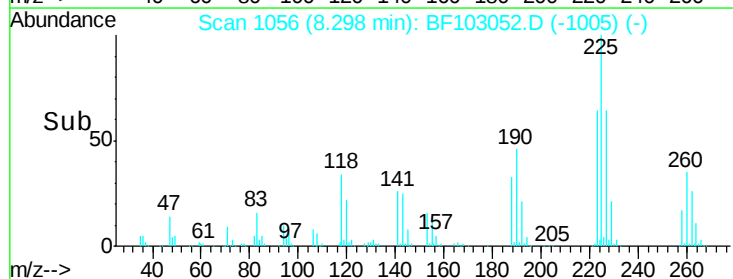
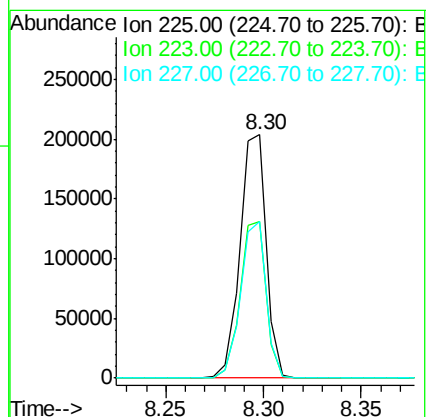
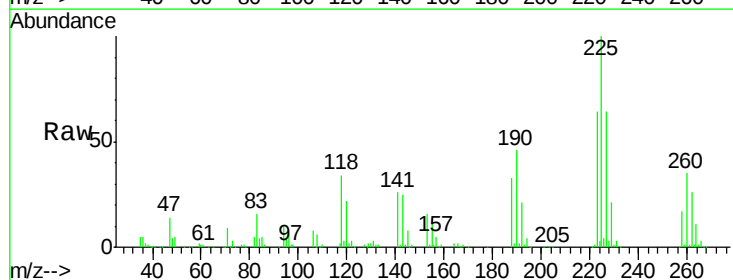
Manual Integrations  
 APPROVED

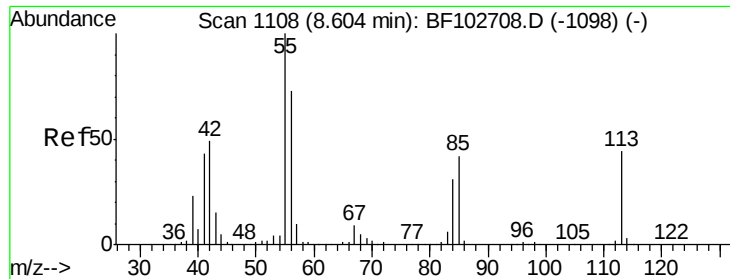
Sohil  
 2/27/2018 2:32:19 PM



#34  
 Hexachlorobutadiene  
 Concen: 33.924 ng  
 RT: 8.30 min Scan# 1056  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 189844 |       |       |
| 223     | 64.5  | 50.6   | 76.0  |       |
| 227     | 64.3  | 51.9   | 77.9  |       |





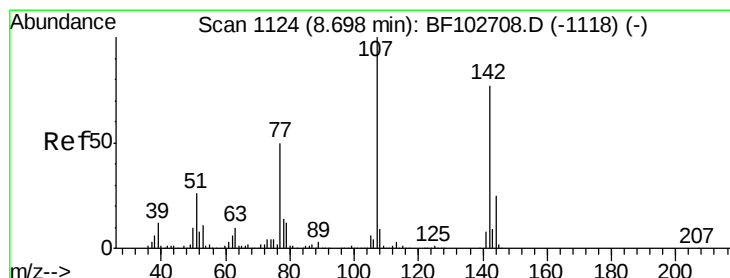
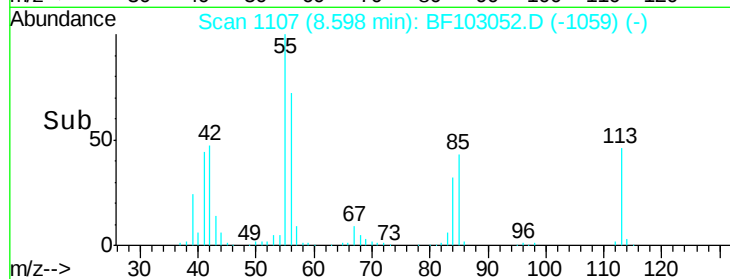
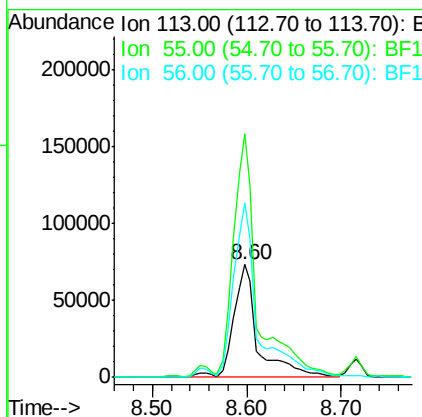
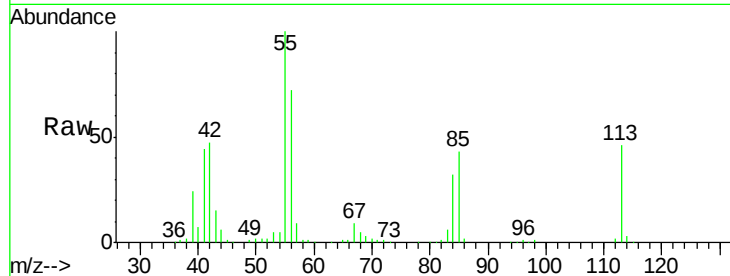
#35  
 Caprolactam  
 Concen: 39.527 ng m  
 RT: 8.60 min Scan# 1107  
 Delta R.T. -0.02 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampled :  
 RO-155MS

Tgt Ion:113 Resp: 132516  
 Ion Ratio Lower Upper  
 113 100  
 55 216.4 163.3 203.3#  
 56 155.6 115.7 155.7

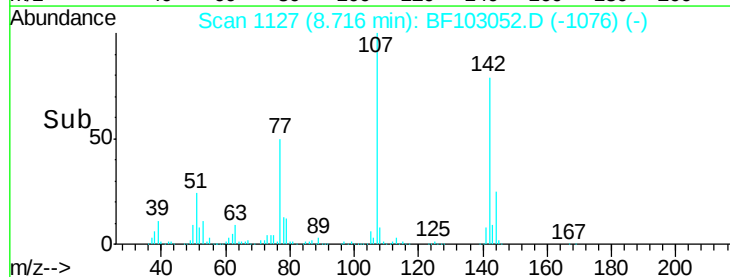
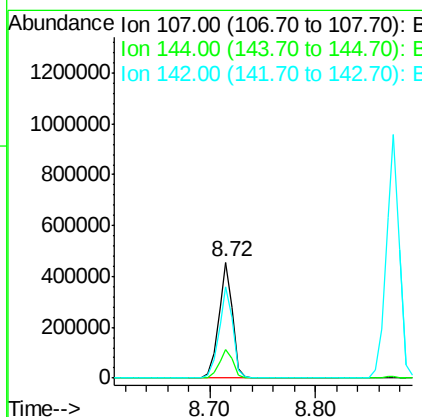
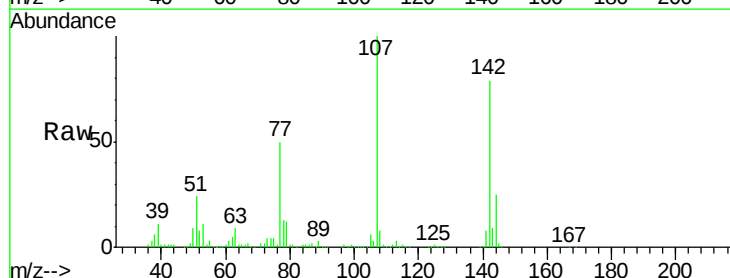
Manual Integrations  
 APPROVED

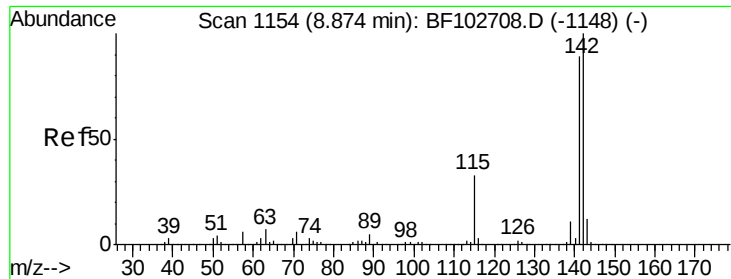
Sohil  
 2/27/2018 2:32:19 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.868 ng  
 RT: 8.72 min Scan# 1127  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Tgt Ion:107 Resp: 421584  
 Ion Ratio Lower Upper  
 107 100  
 144 25.1 20.5 30.7  
 142 79.2 62.0 93.0





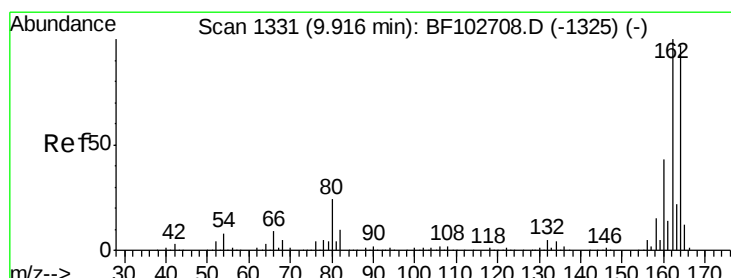
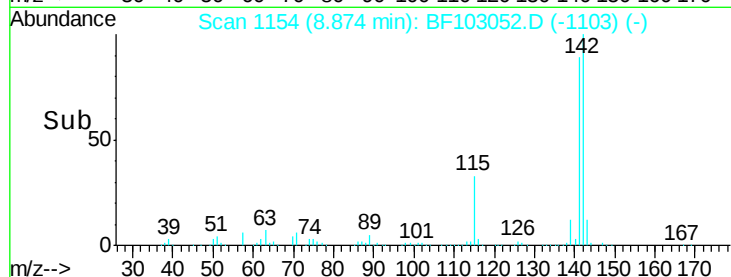
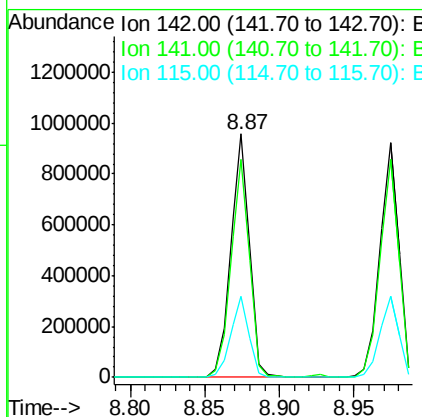
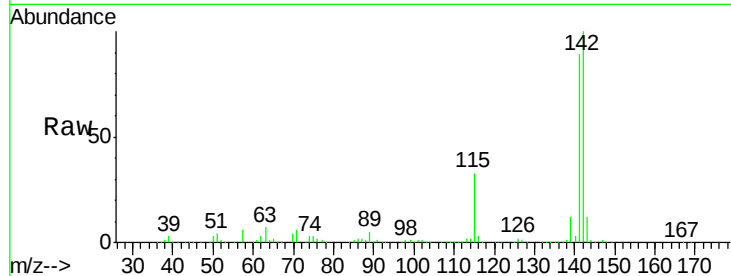
#37  
2-Methylnaphthalene  
Concen: 34.932 ng  
RT: 8.87 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 846157 |       |       |
| 141     | 89.4  | 70.8   | 106.2 |       |
| 115     | 33.3  | 26.1   | 39.1  |       |

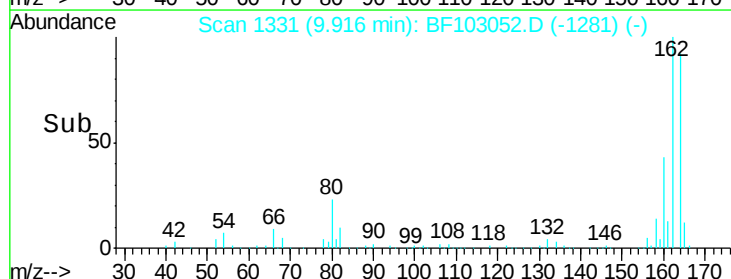
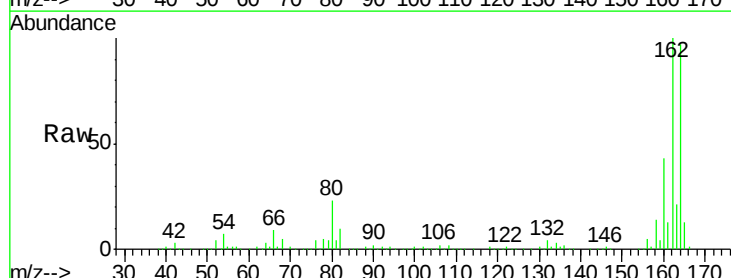
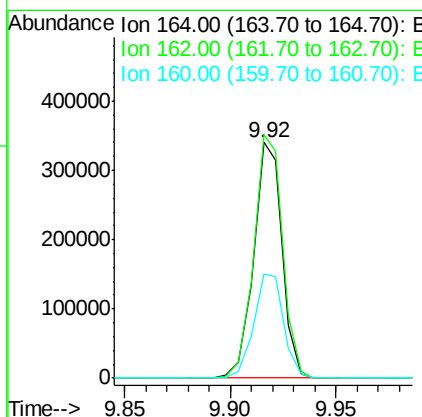
Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 317391 |       |       |
| 162     | 103.5 | 86.1   | 129.1 |       |
| 160     | 44.3  | 38.3   | 57.5  |       |





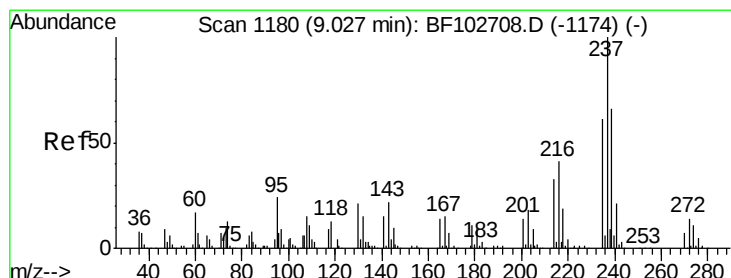
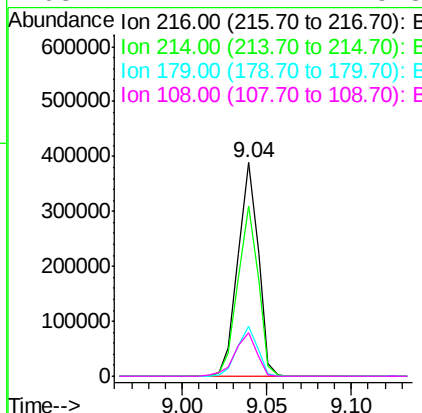
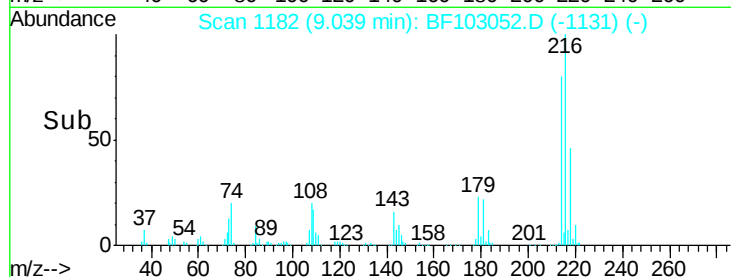
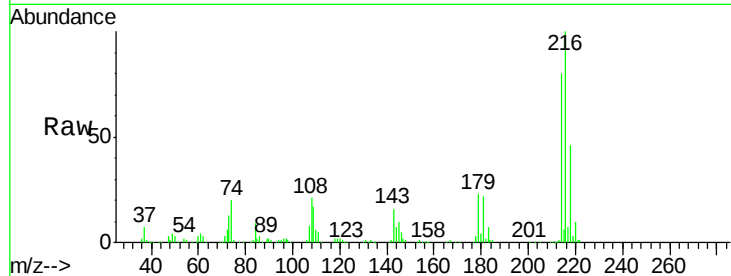
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.703 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 325831 |       |       |
| 214     | 79.7  | 63.0   | 94.4  |       |
| 179     | 23.3  | 18.1   | 27.1  |       |
| 108     | 22.1  | 17.2   | 25.8  |       |

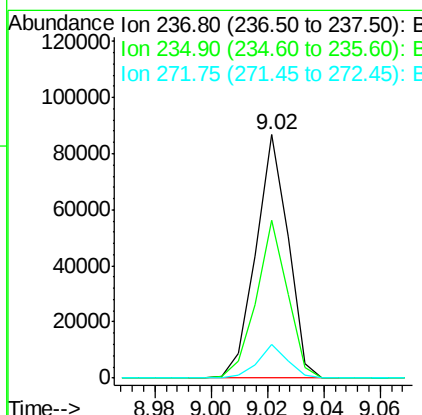
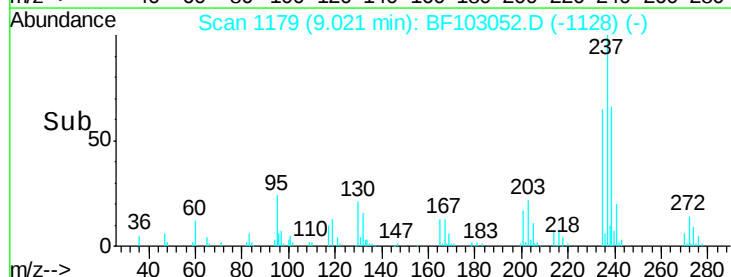
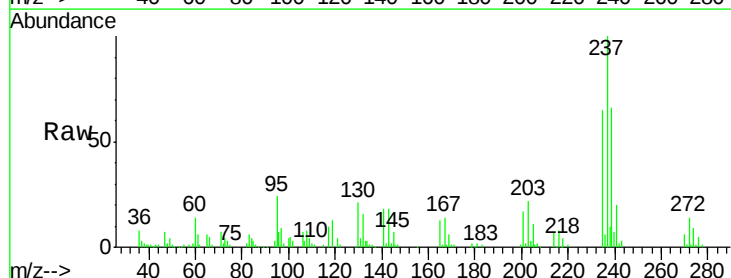
Manual Integrations  
 APPROVED

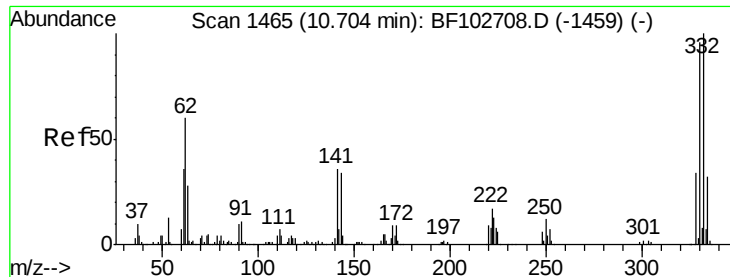
Sohil  
 2/27/2018 2:32:19 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 16.805 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 237     | 100   | 69040 |       |       |
| 235     | 64.6  | 44.8  | 84.8  |       |
| 272     | 14.0  | 0.0   | 33.3  |       |





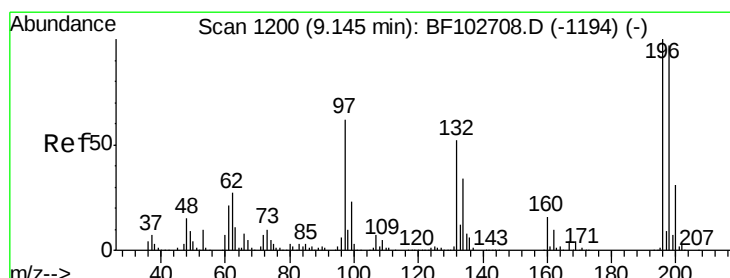
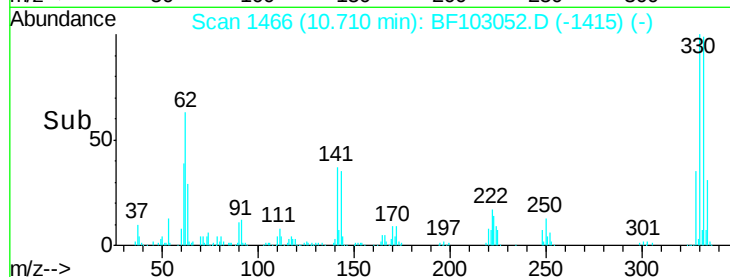
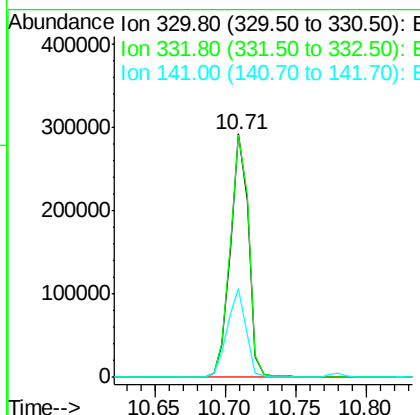
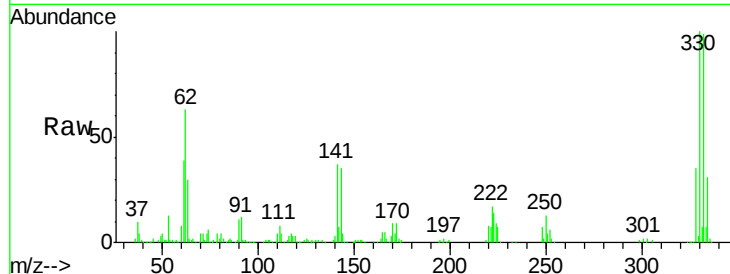
#41  
 2,4,6-Tribromophenol  
 Concen: 103.192 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 263616 |       |       |
| 332     | 101.8 | 77.0   | 115.6 |       |
| 141     | 37.7  | 29.9   | 44.9  |       |

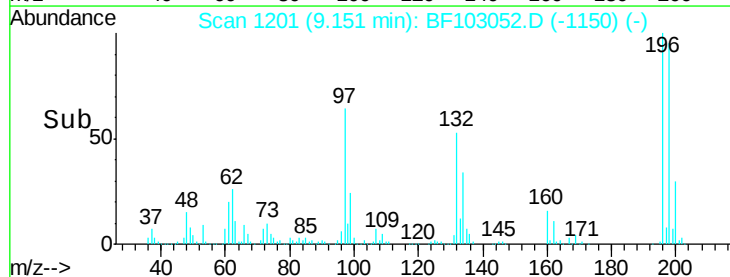
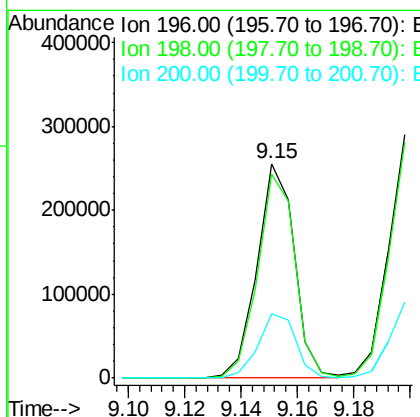
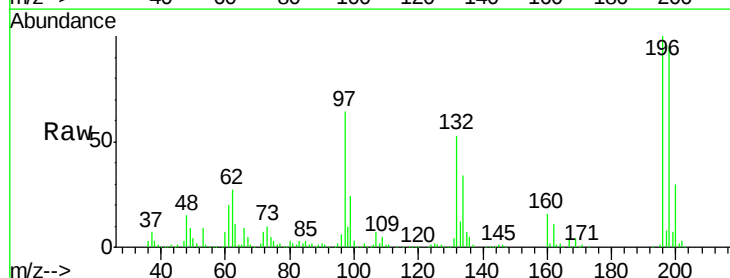
Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 2:32:19 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 41.350 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 234713 |       |       |
| 198     | 95.2  | 75.7   | 113.5 |       |
| 200     | 29.9  | 24.5   | 36.7  |       |





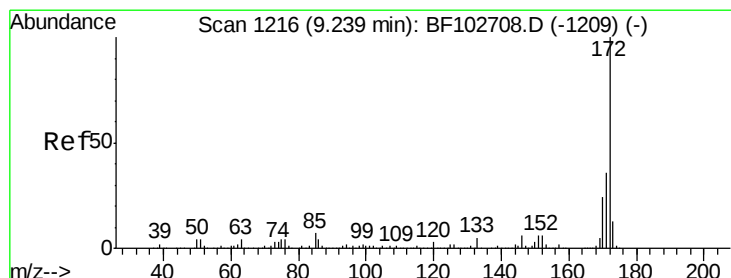
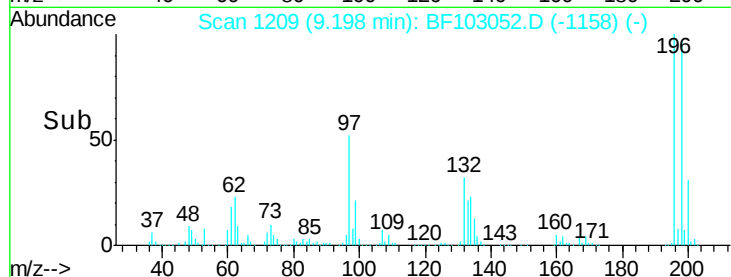
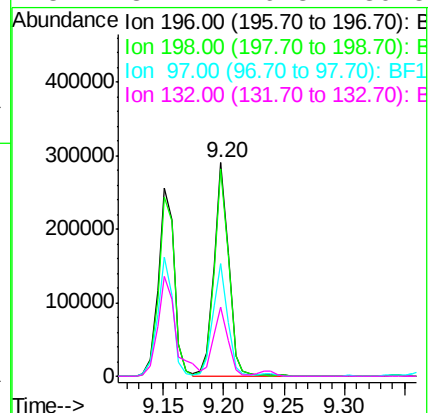
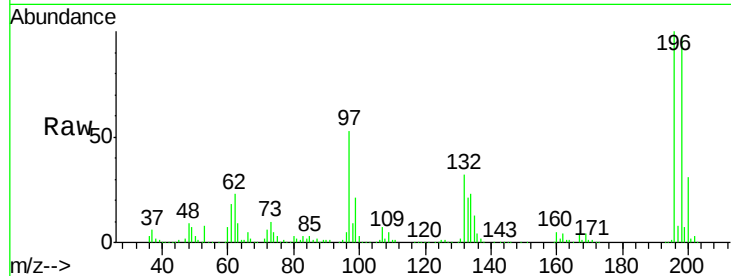
#43  
 2,4,5-Trichlorophenol  
 Concen: 38.228 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 244573 |       |       |
| 198     | 96.8  | 74.6   | 112.0 |       |
| 97      | 52.6  | 42.9   | 64.3  |       |
| 132     | 32.1  | 26.3   | 39.5  |       |

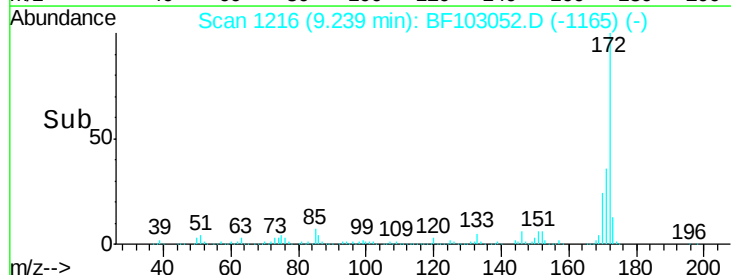
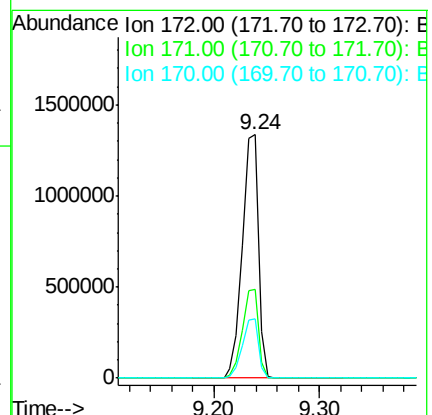
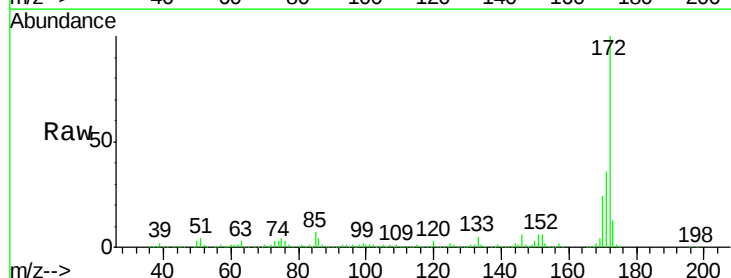
Manual Integrations  
 APPROVED

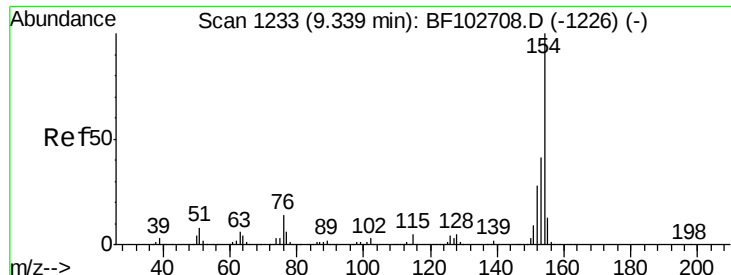
Sohil  
 2/27/2018 2:32:19 PM



#44  
 2-Fluorobiphenyl  
 Concen: 72.819 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1392832 |       |       |
| 171     | 36.5  | 29.7    | 44.5  |       |
| 170     | 24.1  | 19.6    | 29.4  |       |





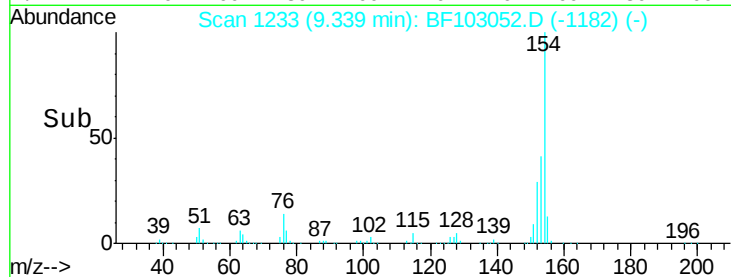
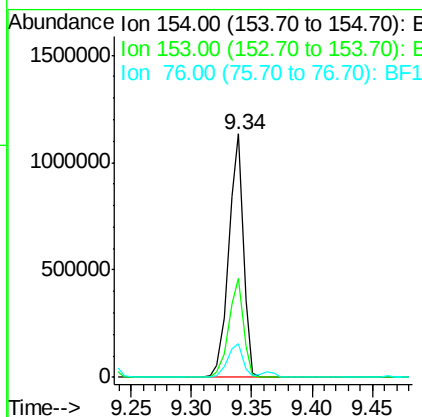
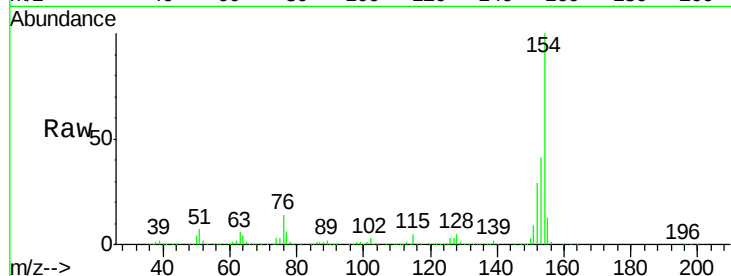
#45  
 1,1'-Biphenyl  
 Concen: 35.619 ng  
 RT: 9.34 min Scan# 1233  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 40.5  | 21.3 | 61.3  |       |
| 76      | 14.1  | 0.0  | 34.0  |       |

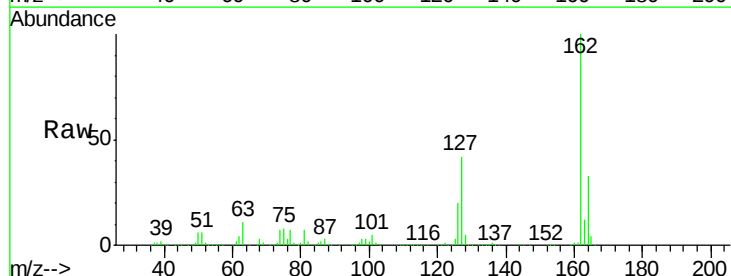
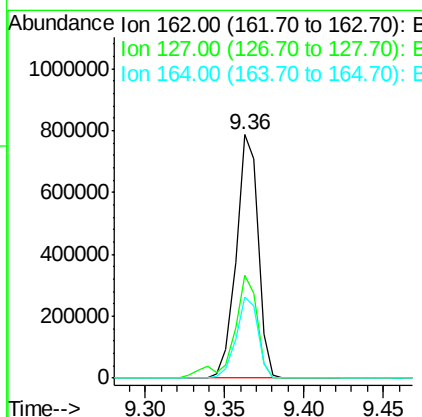
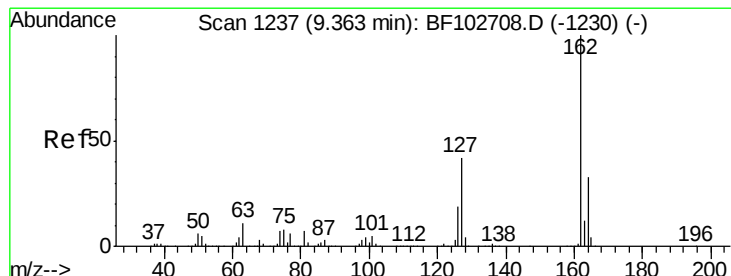
Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 2:32:19 PM



#46  
 2-Chloronaphthalene  
 Concen: 35.829 ng  
 RT: 9.36 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 42.4  | 33.9 | 50.9  |       |
| 164     | 33.4  | 26.5 | 39.7  |       |





#47

2-Nitroaniline

Concen: 45.218 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

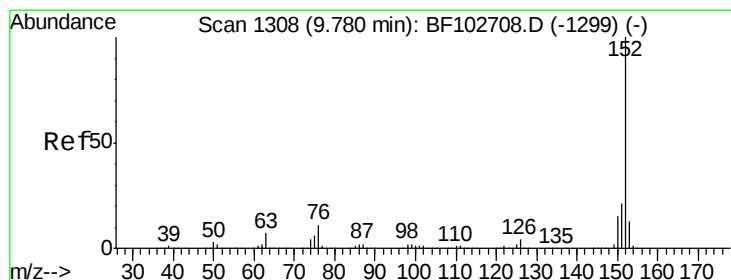
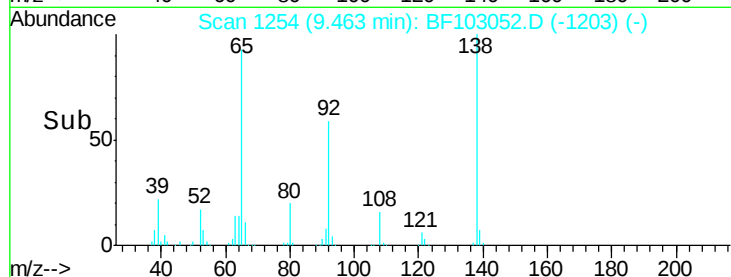
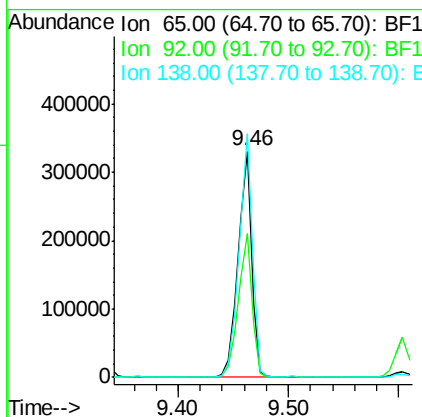
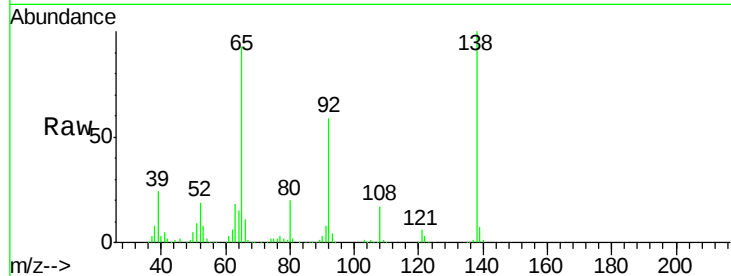
ClientSampleId :

RO-155MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 292254 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 63.9  | 55.8  | 83.6   |
| 138       | 107.8 | 91.2  | 136.8  |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#48

Acenaphthylene

Concen: 34.143 ng

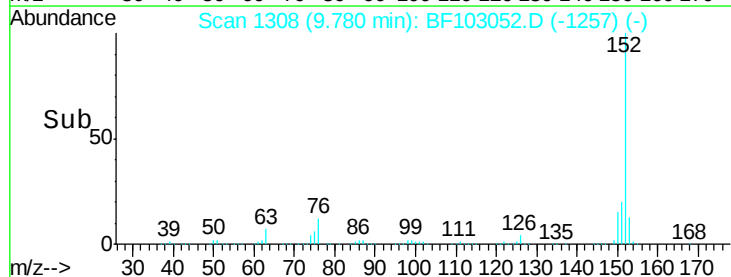
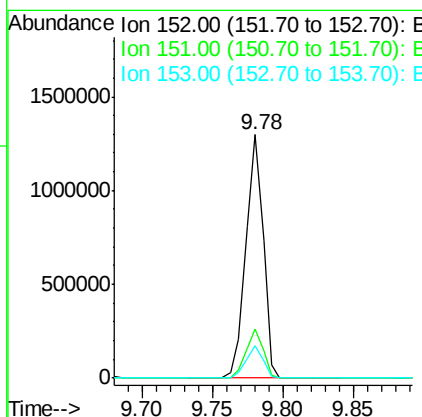
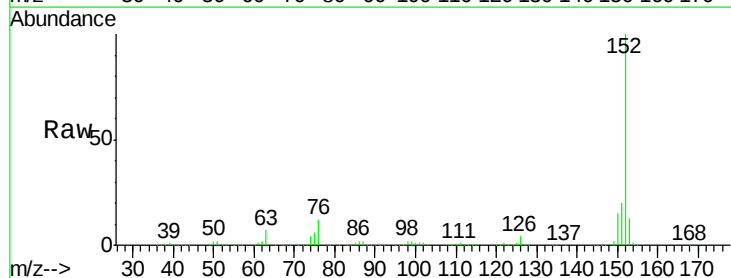
RT: 9.78 min Scan# 1308

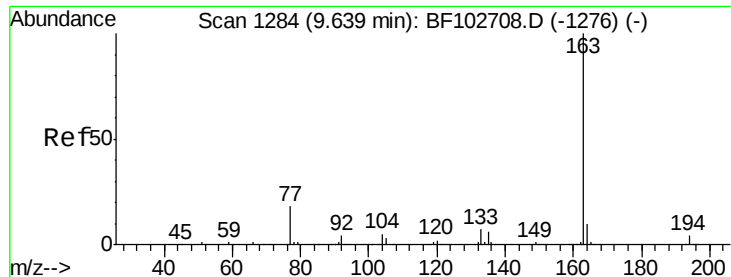
Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 1116055 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 19.9  | 16.3  | 24.5    |
| 153       | 13.2  | 10.7  | 16.1    |





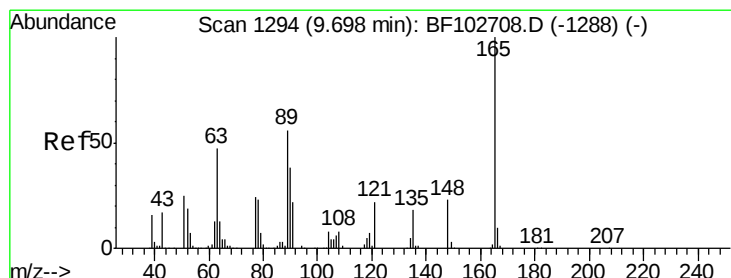
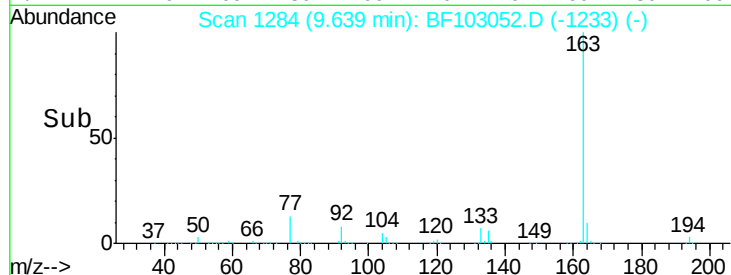
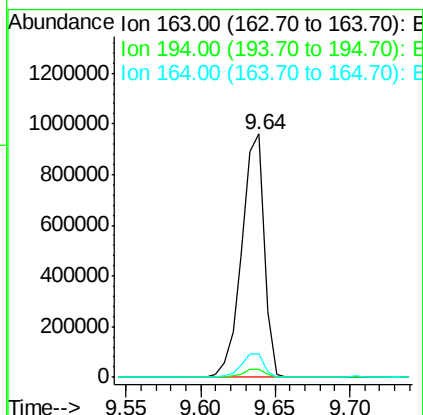
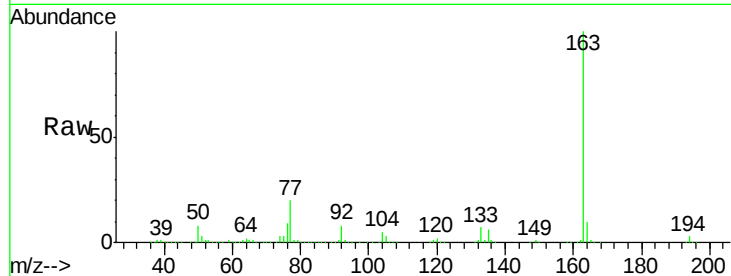
#49  
Dimethylphthalate  
Concen: 40.701 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

Tgt Ion:163 Resp: 1007248  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.8 8.2 12.2

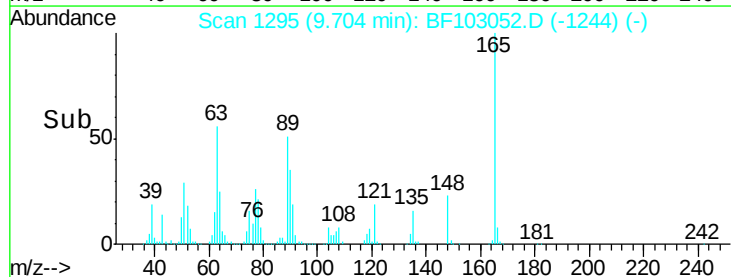
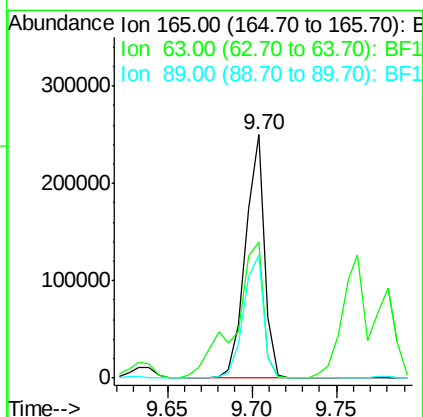
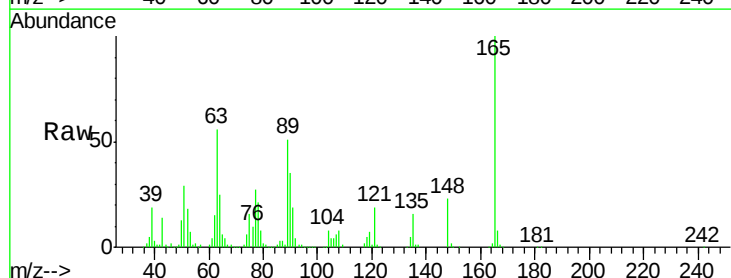
Manual Integrations  
APPROVED

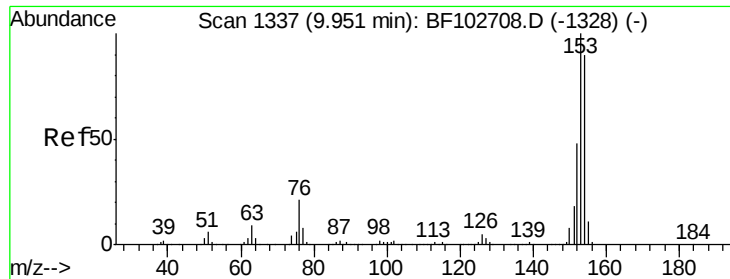
Sohil  
2/27/2018 2:32:19 PM



#50  
2,6-Dinitrotoluene  
Concen: 41.601 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Tgt Ion:165 Resp: 195869  
Ion Ratio Lower Upper  
165 100  
63 55.7 44.7 67.1  
89 50.7 44.0 66.0





#51

Acenaphthene

Concen: 32.945 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

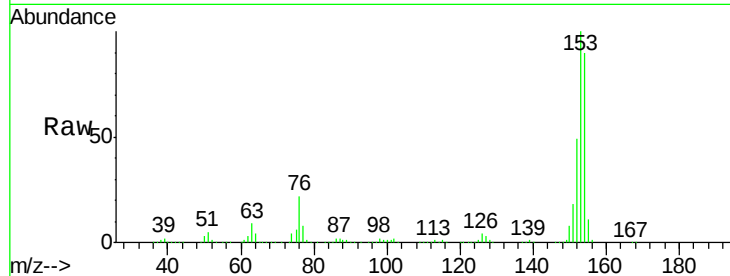
ClientSampleId :

RO-155MS

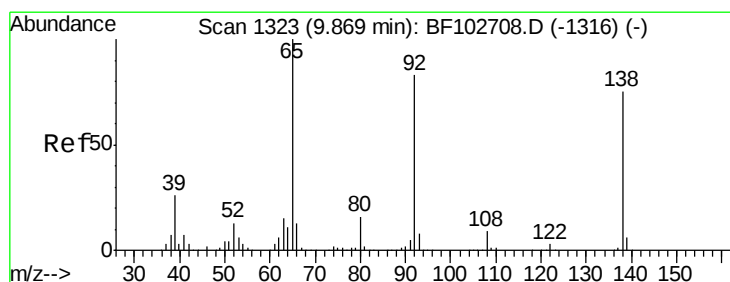
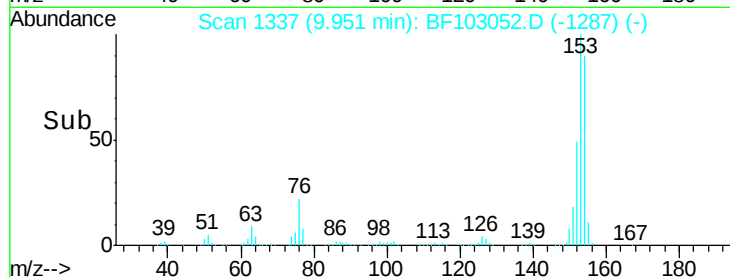
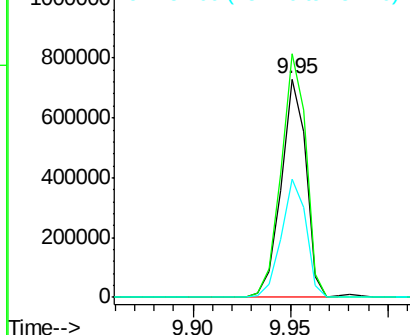
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 644020 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.4 | 91.2  | 136.8  |
| 152       | 54.1  | 43.8  | 65.8   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 35.666 ng

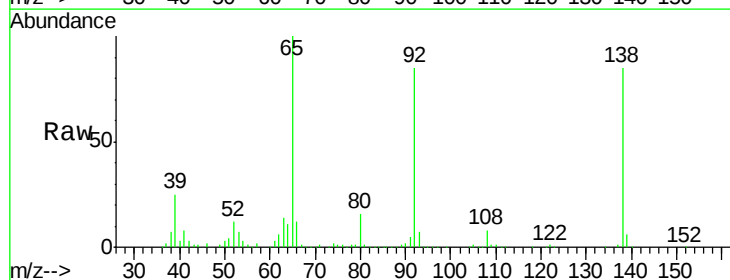
RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

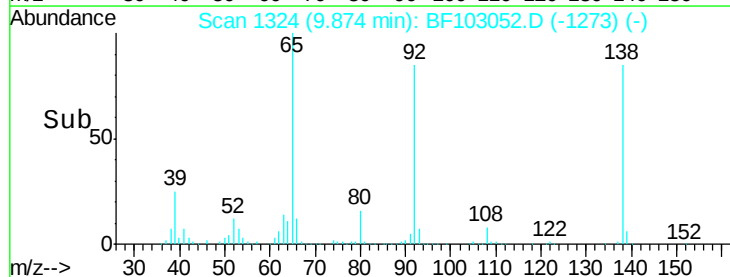
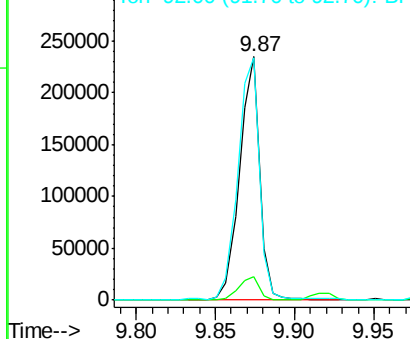
Lab File: BF103052.D

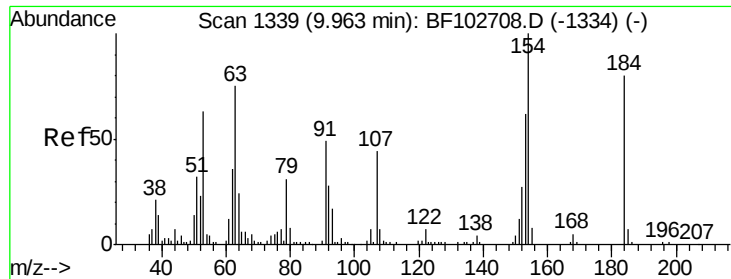
Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 206622 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.7   | 9.4   | 14.0   |
| 92        | 99.3  | 89.4  | 134.2  |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1





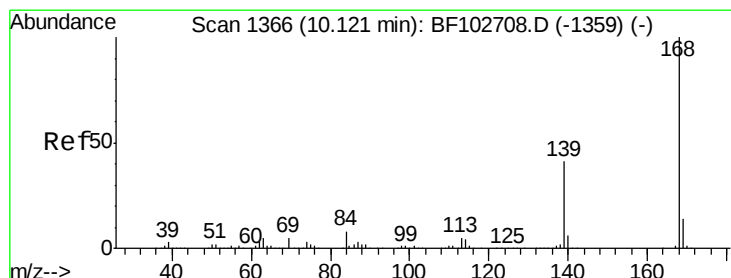
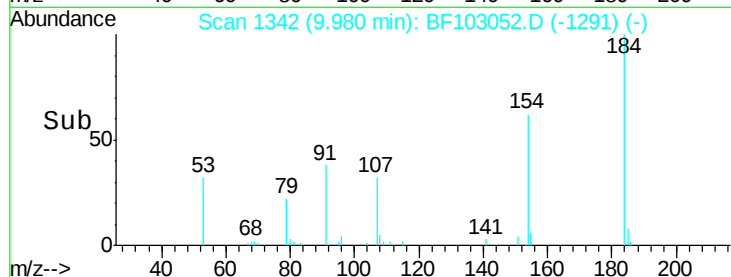
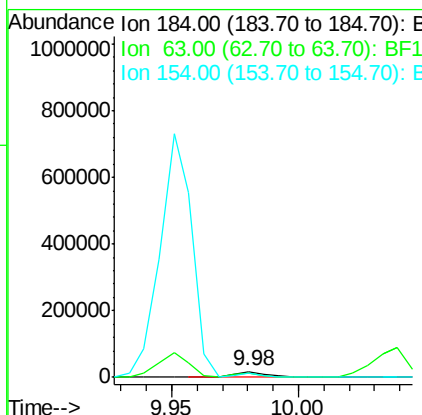
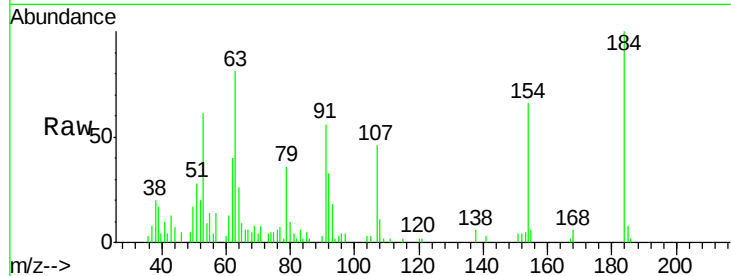
#53  
2,4-Dinitrophenol  
Concen: 23.504 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampled :  
RO-155MS

Tgt Ion:184 Resp: 15733  
Ion Ratio Lower Upper  
184 100  
63 81.4 54.2 81.2#  
154 66.3 184.0 276.0#

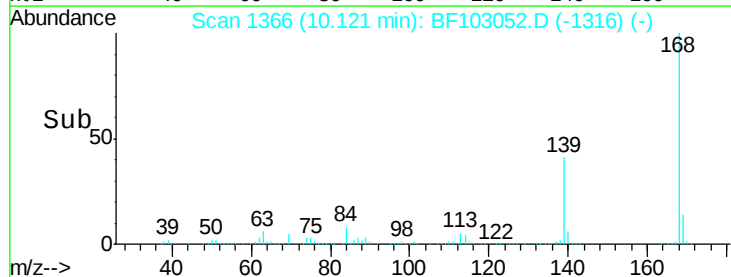
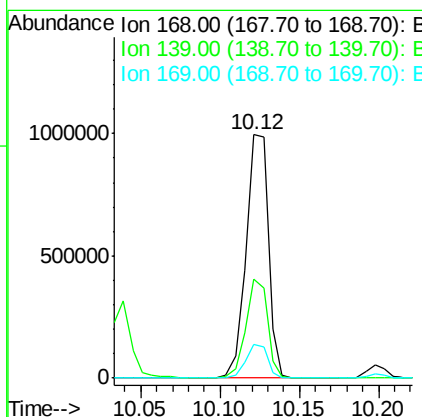
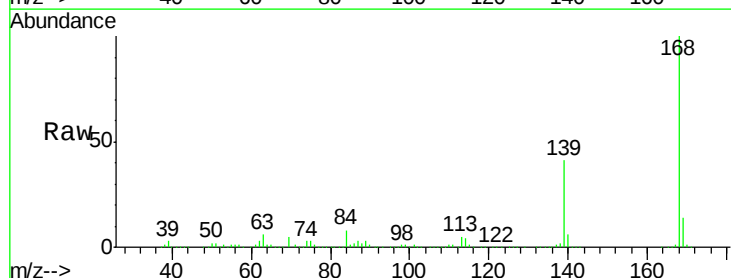
Manual Integrations  
APPROVED

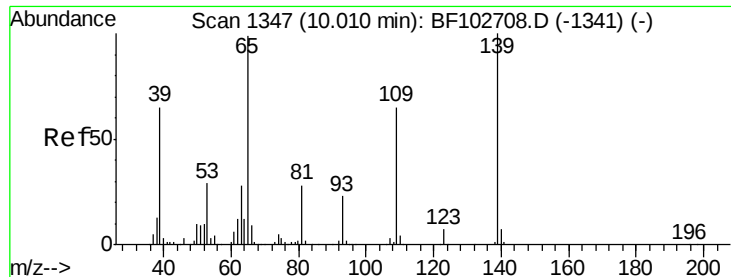
Sohil  
2/27/2018 2:32:19 PM



#54  
Dibenzofuran  
Concen: 35.238 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Tgt Ion:168 Resp: 970778  
Ion Ratio Lower Upper  
168 100  
139 40.7 30.1 45.1  
169 13.7 10.9 16.3





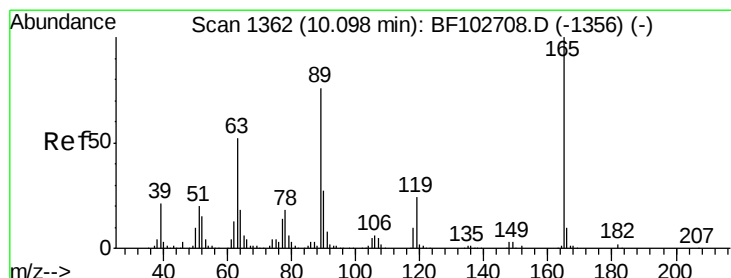
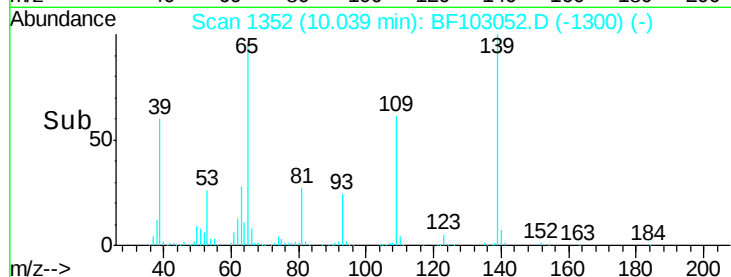
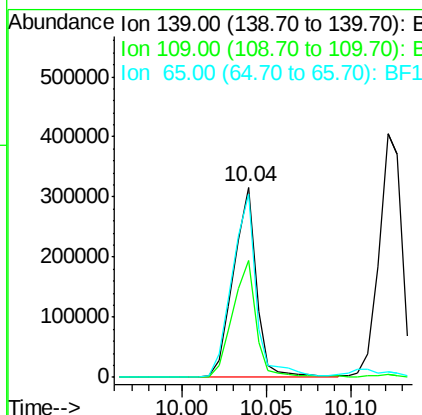
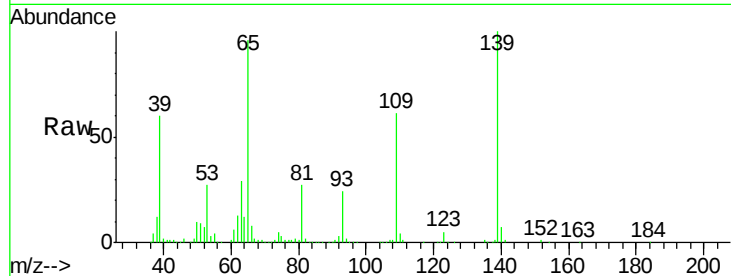
#55  
4-Nitrophenol  
Concen: 64.701 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampled :  
RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 304175 |       |       |
| 109     | 61.2  | 48.4   | 88.4  |       |
| 65      | 96.2  | 72.6   | 112.6 |       |

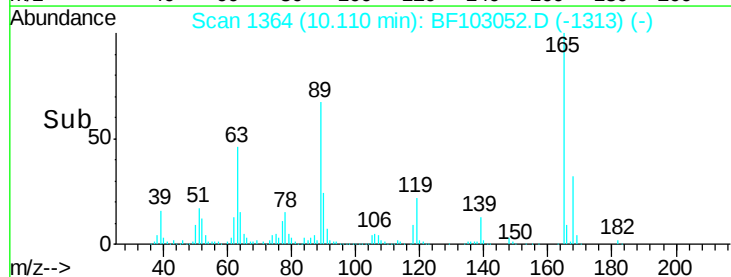
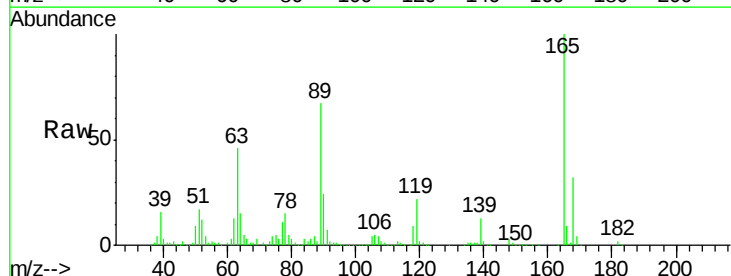
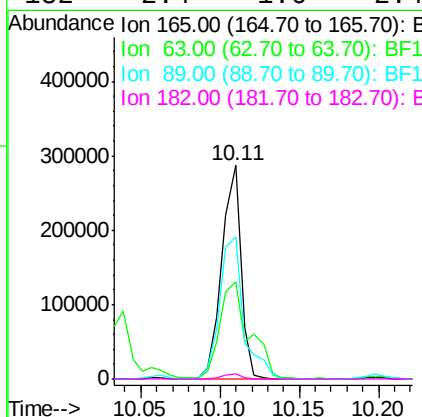
Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#56  
2,4-Dinitrotoluene  
Concen: 38.934 ng  
RT: 10.11 min Scan# 1364  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 241932 |       |       |
| 63      | 45.6  | 36.4   | 54.6  |       |
| 89      | 66.7  | 57.8   | 86.6  |       |
| 182     | 2.4   | 1.6    | 2.4   |       |





#57

Fluorene

Concen: 35.237 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

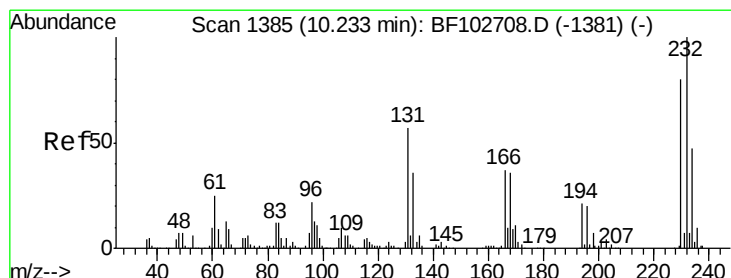
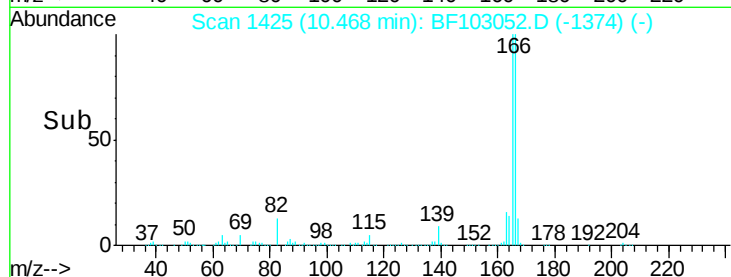
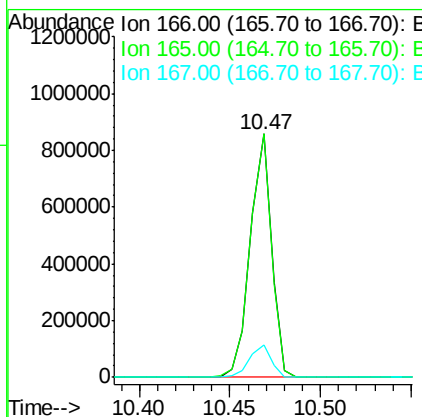
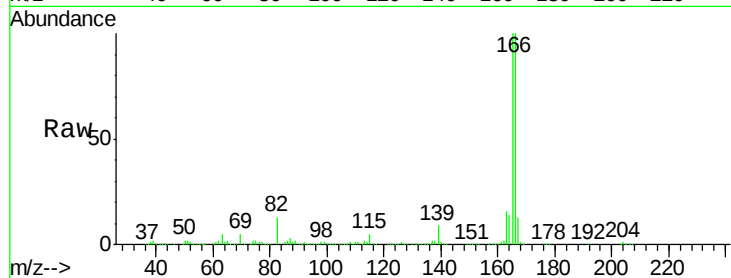
ClientSampleId :

RO-155MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 706300 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 100.0 | 79.8  | 119.8  |
| 167       | 13.3  | 10.6  | 16.0   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 38.054 ng

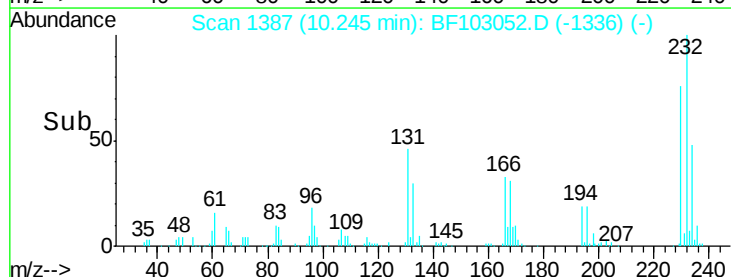
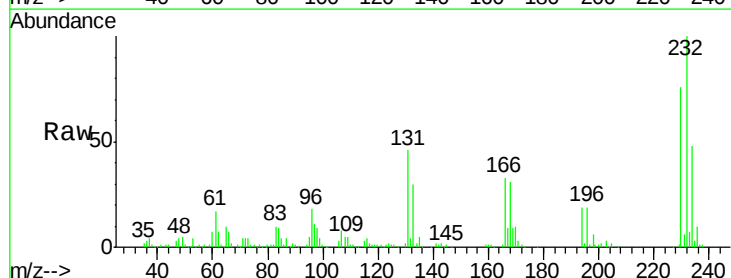
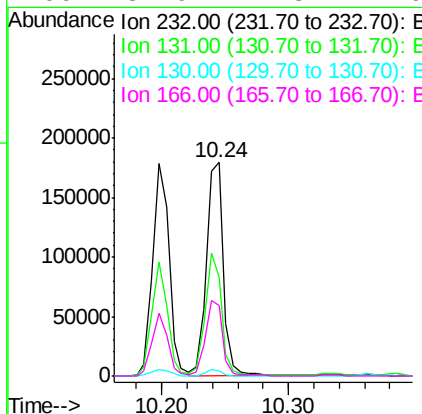
RT: 10.24 min Scan# 1387

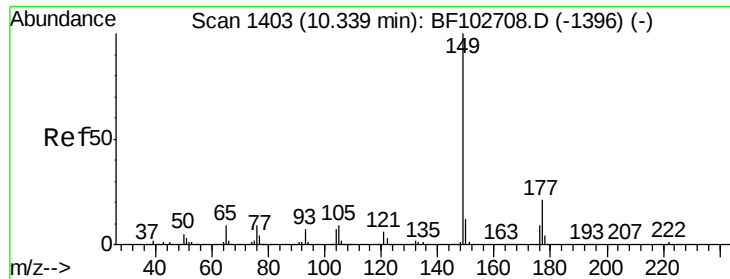
Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 168738 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 54.1  | 43.8  | 65.8   |
| 130       | 2.6   | 2.1   | 3.1    |
| 166       | 34.9  | 27.8  | 41.6   |





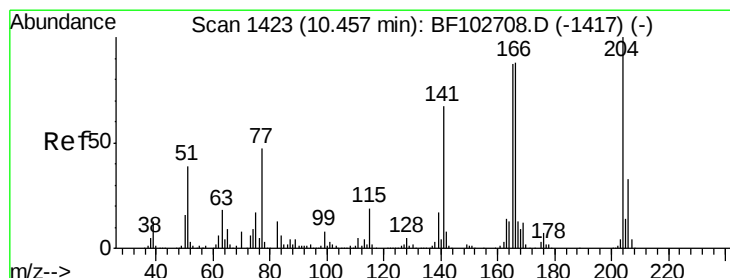
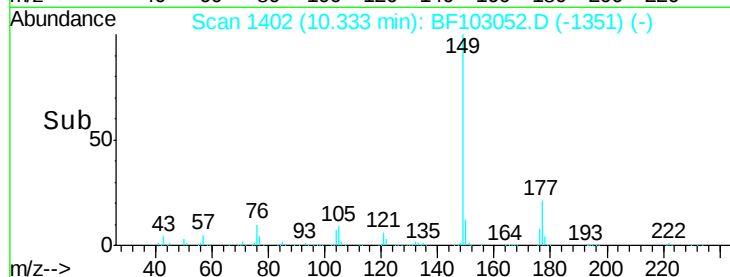
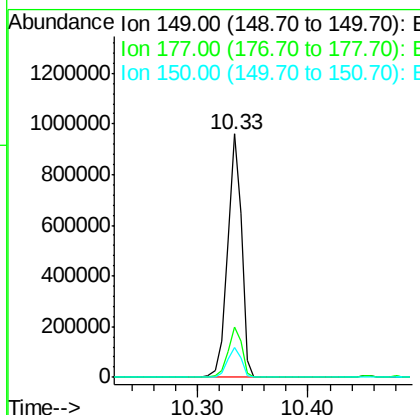
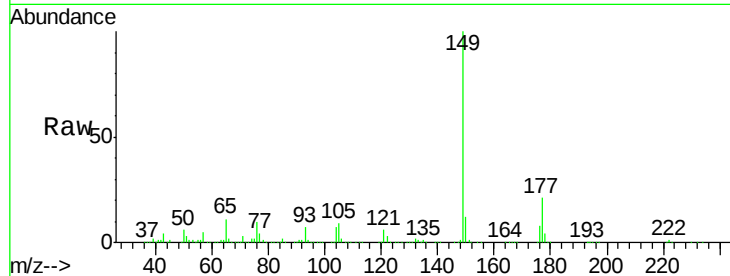
#59  
Diethylphthalate  
Concen: 34.805 ng  
RT: 10.33 min Scan# 1402  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 850506 |       |       |
| 177     | 20.7  | 16.1   | 24.1  |       |
| 150     | 12.5  | 10.1   | 15.1  |       |

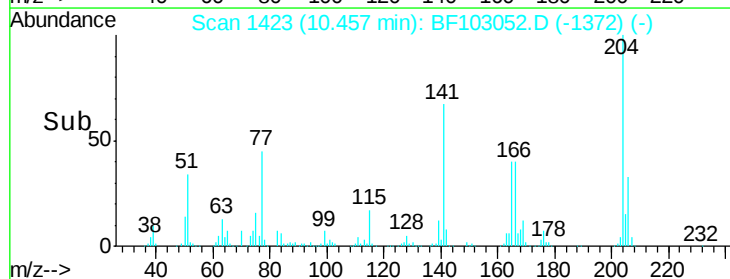
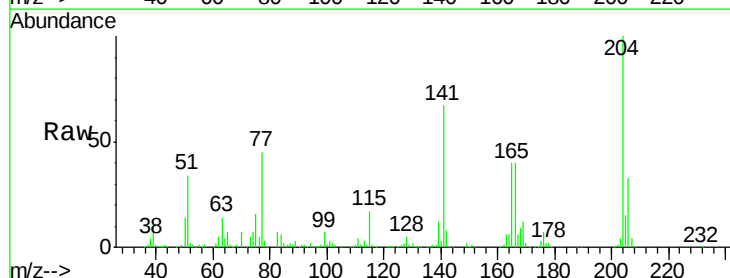
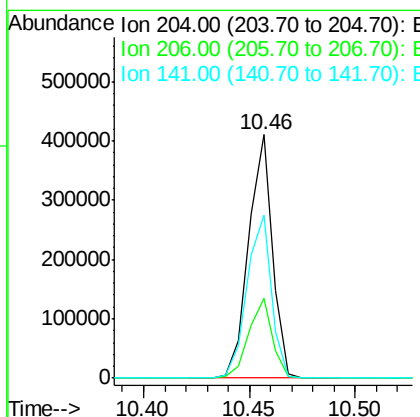
Manual Integrations  
APPROVED

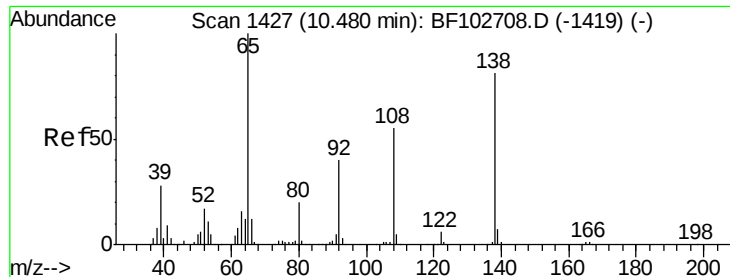
Sohil  
2/27/2018 2:32:19 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 36.346 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 322280 |       |       |
| 206     | 32.9  | 26.5   | 39.7  |       |
| 141     | 66.8  | 54.6   | 81.8  |       |





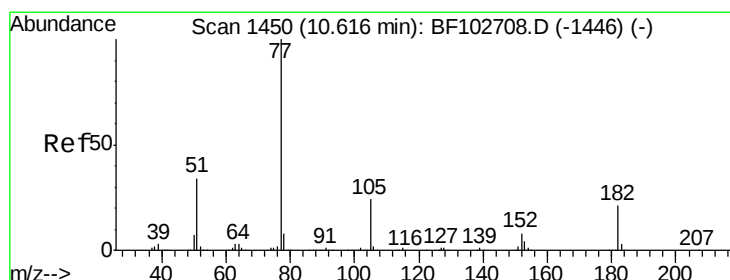
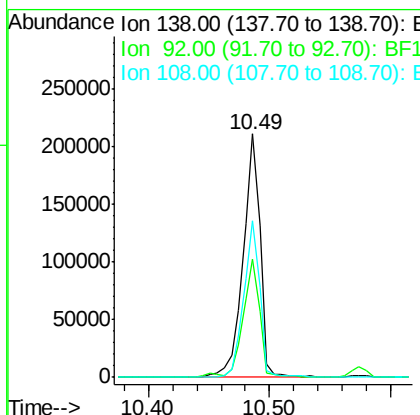
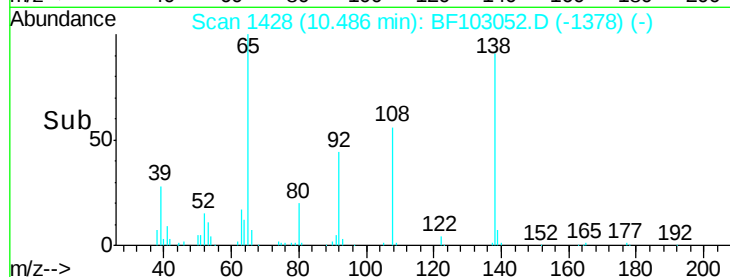
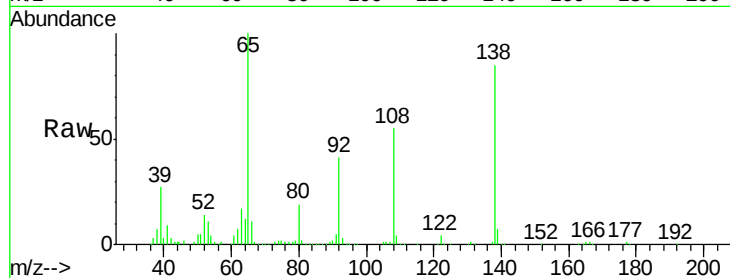
#61  
4-Nitroaniline  
Concen: 38.070 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampled :  
RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 209932 |       |       |
| 92      | 48.3  | 30.2   | 70.2  |       |
| 108     | 64.3  | 52.5   | 92.5  |       |

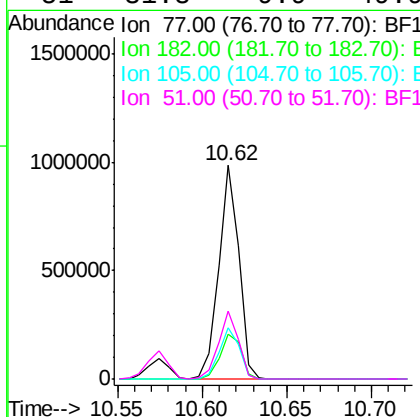
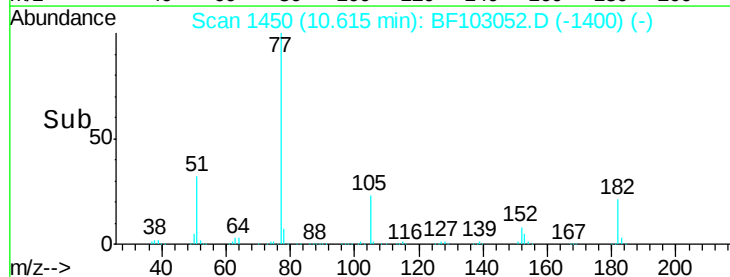
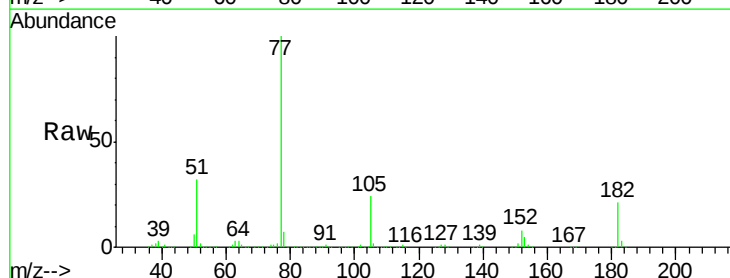
Manual Integrations  
APPROVED

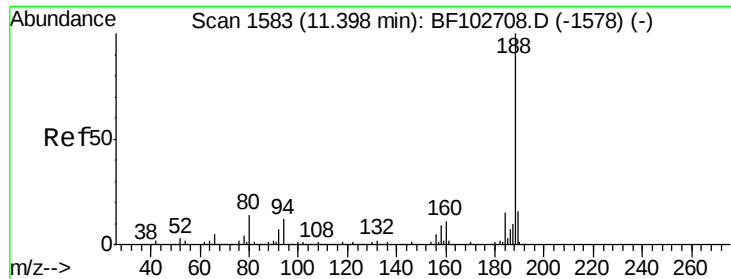
Sohil  
2/27/2018 2:32:19 PM



#62  
Azobenzene  
Concen: 33.677 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 822120 |       |       |
| 182     | 21.1  | 1.7    | 41.7  |       |
| 105     | 24.3  | 3.0    | 43.0  |       |
| 51      | 31.8  | 9.9    | 49.9  |       |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

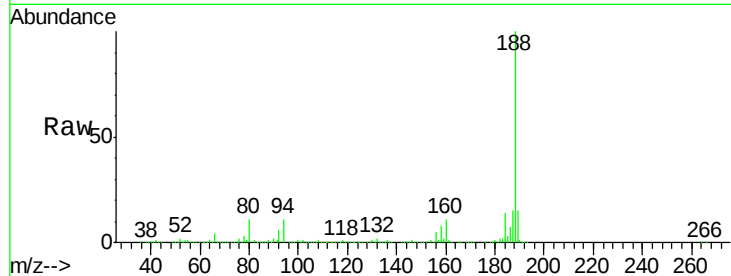
ClientSampled :

RO-155MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 467798 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.8  | 8.5   | 12.7   |
| 80        | 11.0  | 9.2   | 13.8   |

Manual Integrations  
APPROVED

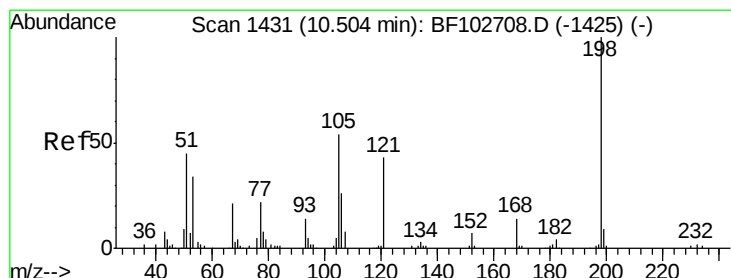
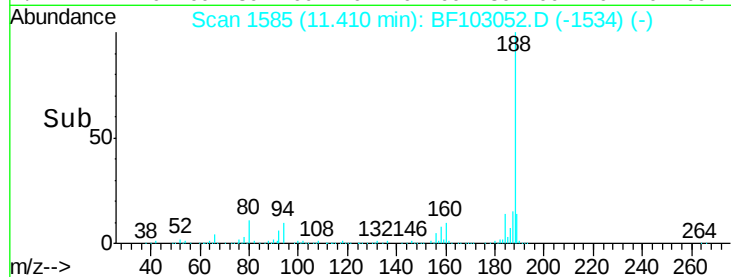
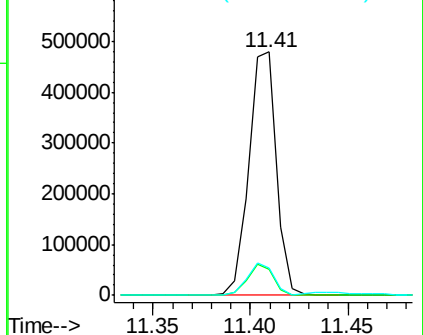
Sohil  
2/27/2018 2:32:19 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 19.101 ng

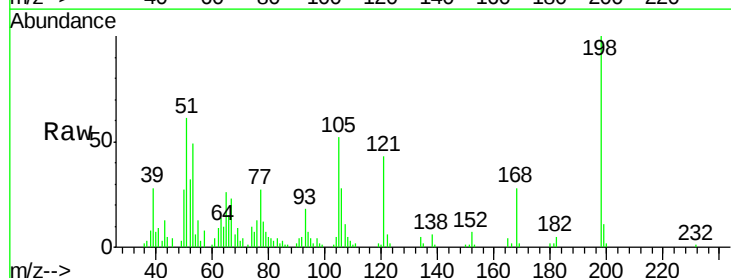
RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

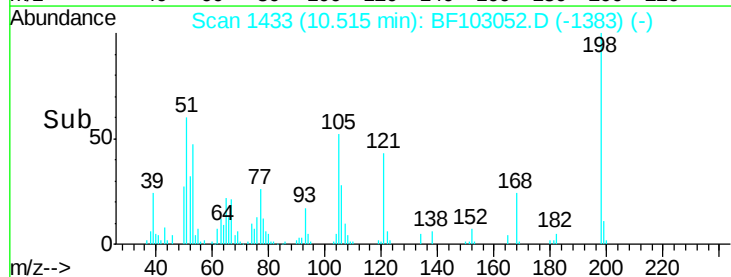
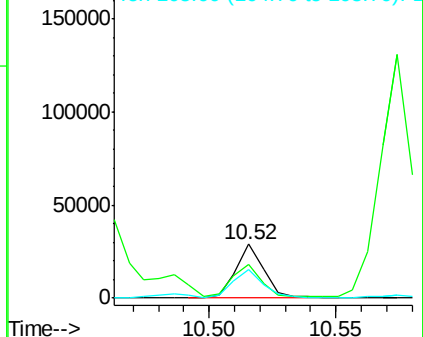
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 22415 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 61.5  | 37.7  | 77.7  |
| 105       | 52.4  | 36.3  | 76.3  |

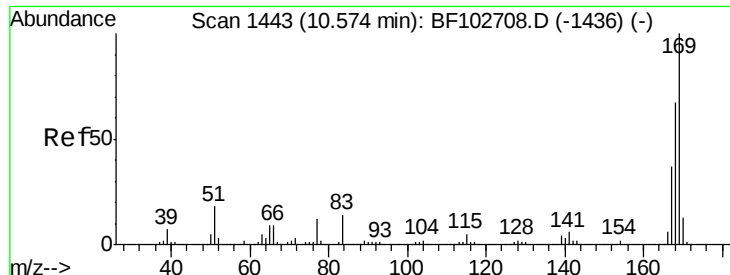


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





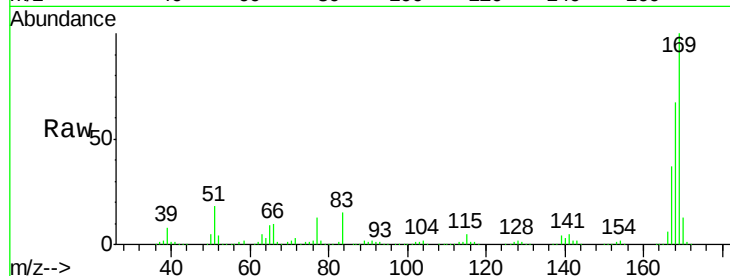
#65  
n-Nitrosodiphenylamine  
Concen: 39.593 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

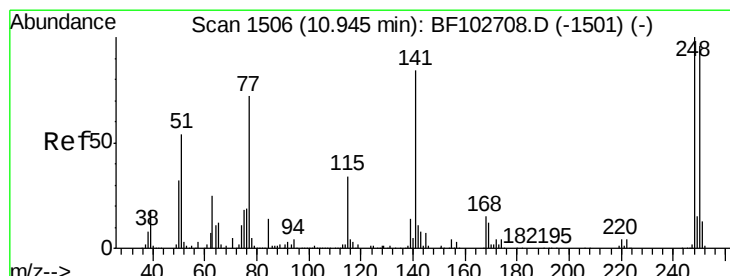
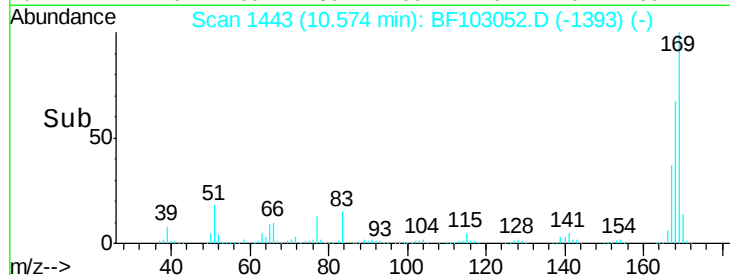
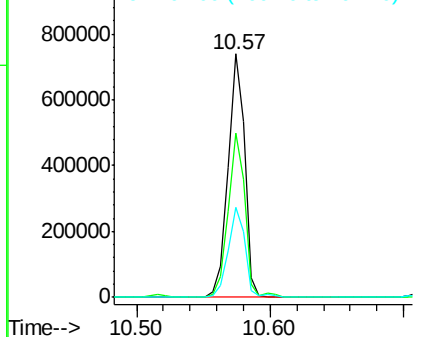
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 653313 |       |       |
| 168     | 67.2  | 54.4   | 81.6  |       |
| 167     | 37.1  | 29.8   | 44.6  |       |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



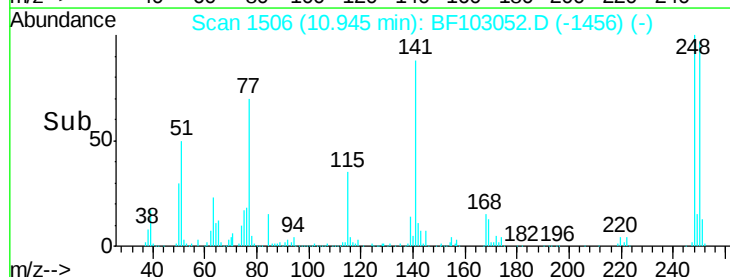
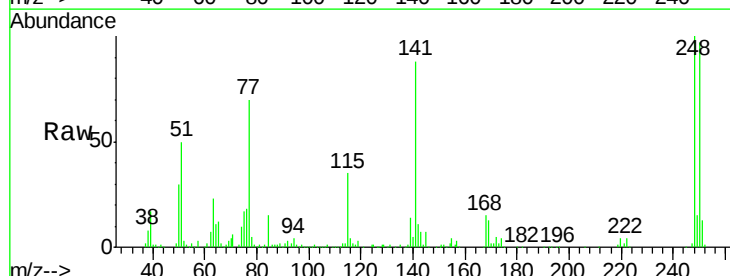
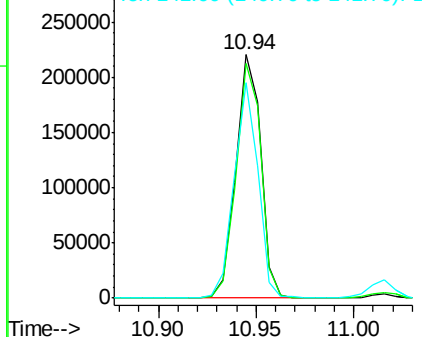
Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

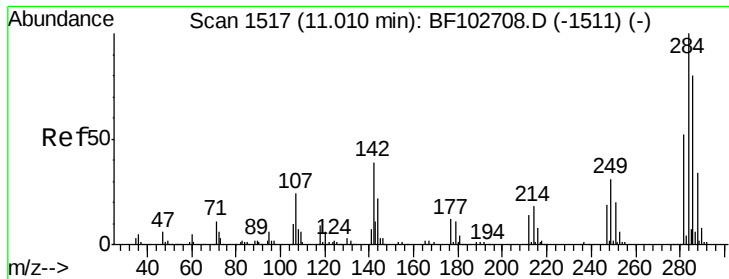


#66  
4-Bromophenyl-phenylether  
Concen: 39.437 ng  
RT: 10.94 min Scan# 1506  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 195153 |       |       |
| 250     | 96.6  | 76.9   | 115.3 |       |
| 141     | 88.2  | 74.4   | 111.6 |       |

Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





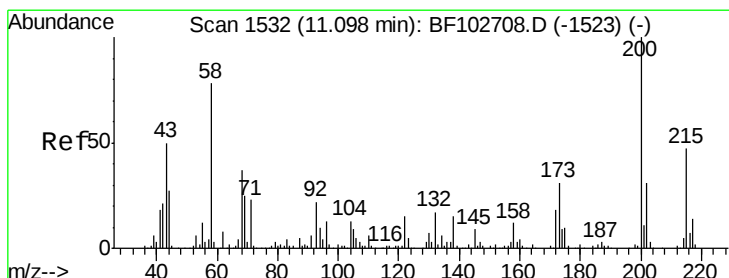
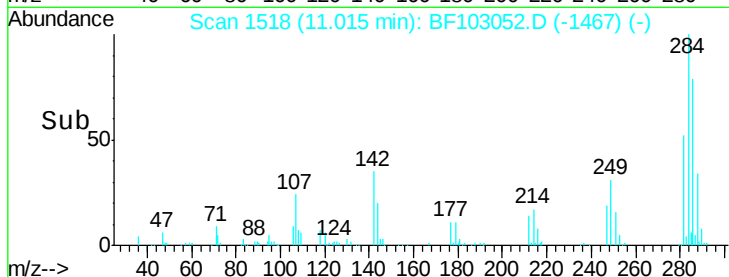
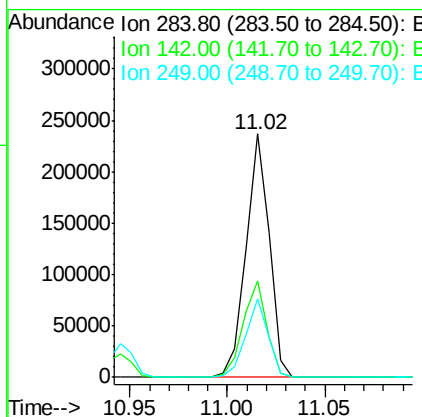
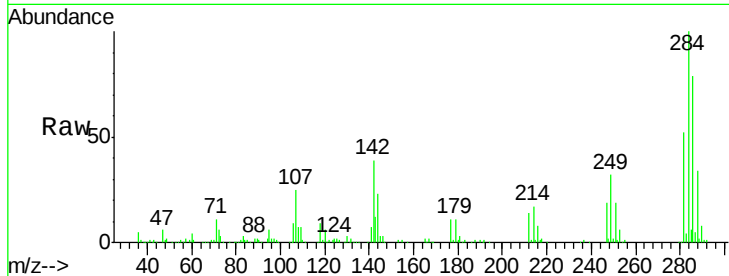
#67  
Hexachlorobenzene  
Concen: 35.815 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 195513 |       |       |
| 142     | 39.4  | 34.6   | 52.0  |       |
| 249     | 32.3  | 24.8   | 37.2  |       |

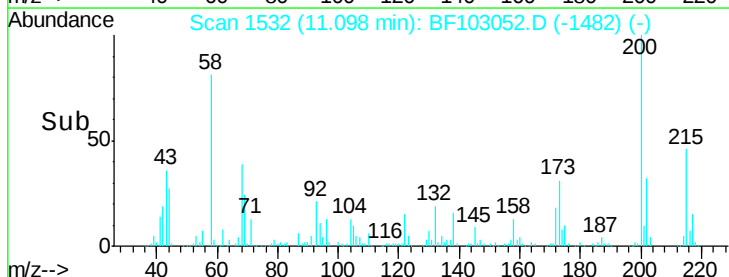
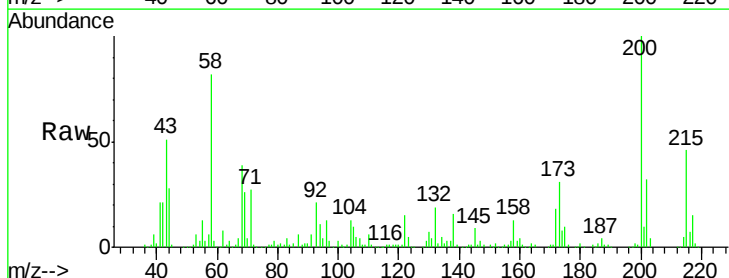
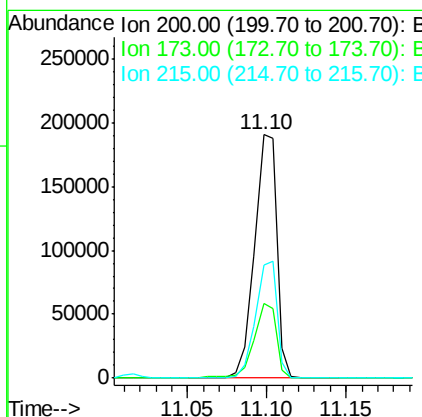
Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#68  
Atrazine  
Concen: 38.461 ng  
RT: 11.10 min Scan# 1532  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 187221 |       |       |
| 173     | 30.5  | 8.6    | 48.6  |       |
| 215     | 46.5  | 25.1   | 65.1  |       |





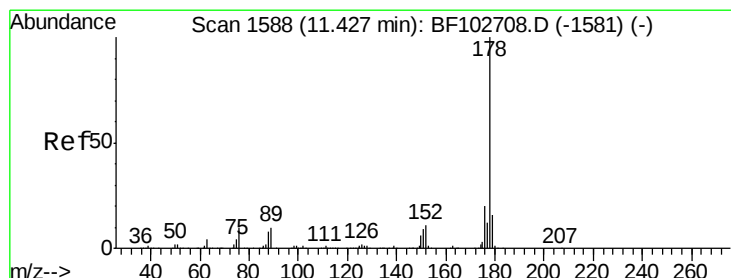
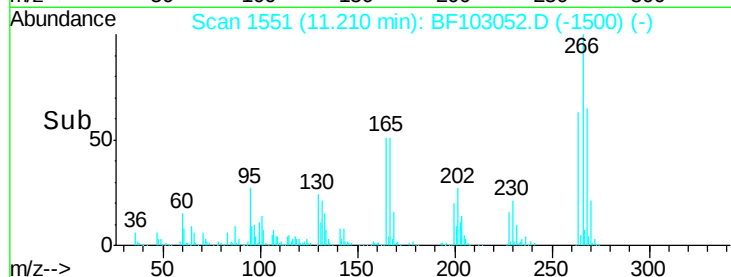
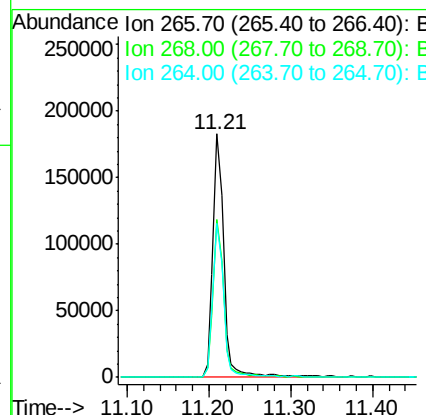
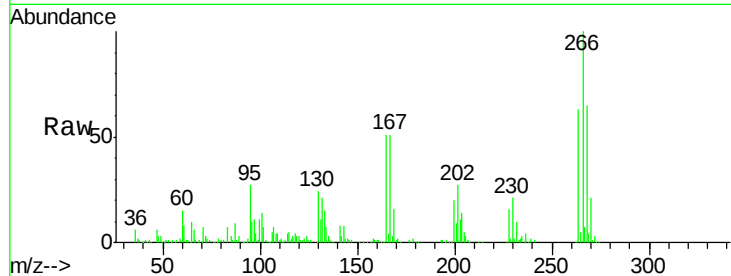
#69  
 Pentachlorophenol  
 Concen: 53.859 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampled :  
 RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.9  | 51.1  | 76.7  |
| 264     | 63.1  | 49.5  | 74.3  |

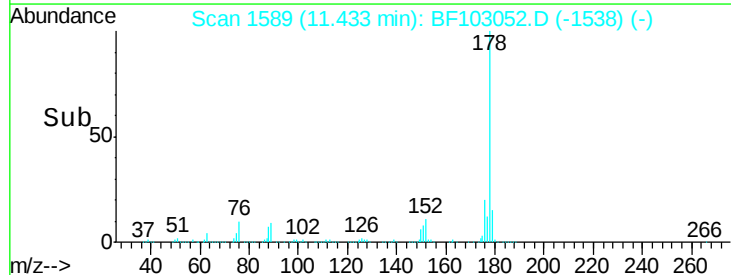
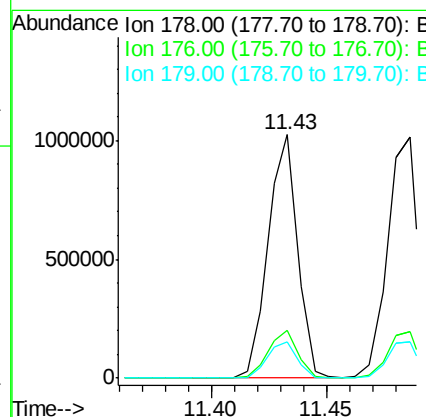
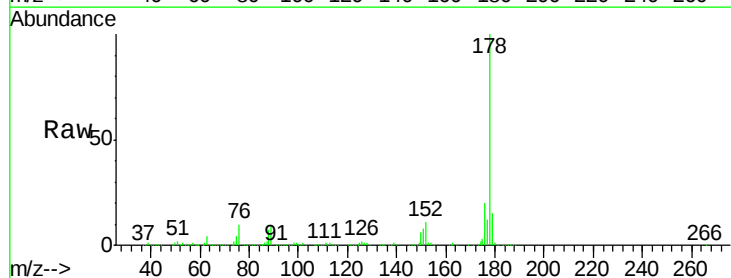
Manual Integrations  
 APPROVED

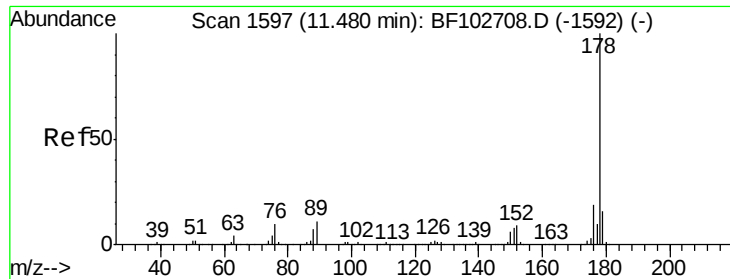
Sohil  
 2/27/2018 2:32:19 PM



#70  
 Phenanthrene  
 Concen: 34.946 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.8  | 23.8  |
| 179     | 15.1  | 13.0  | 19.6  |





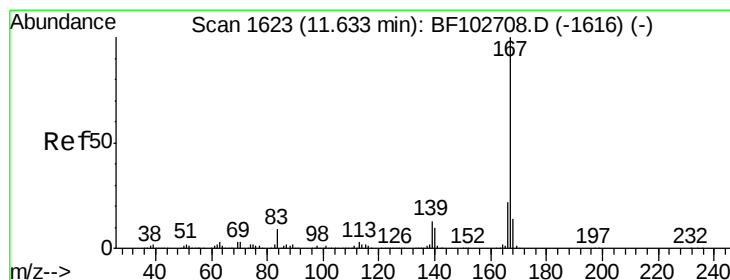
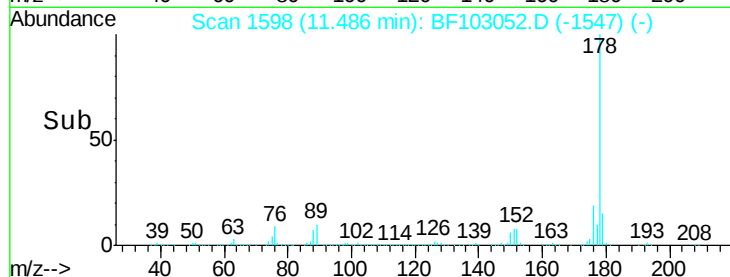
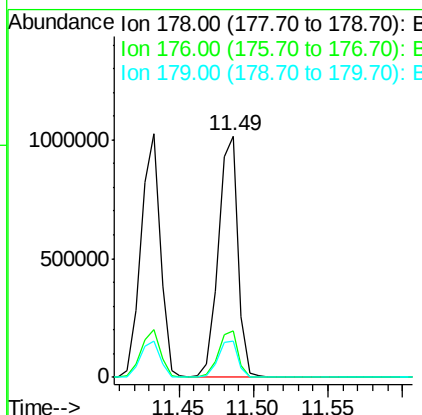
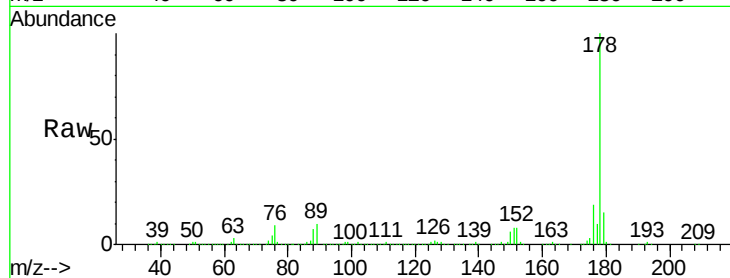
#71  
 Anthracene  
 Concen: 35.428 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.4  | 23.2  |
| 179     | 15.2  | 12.6  | 19.0  |

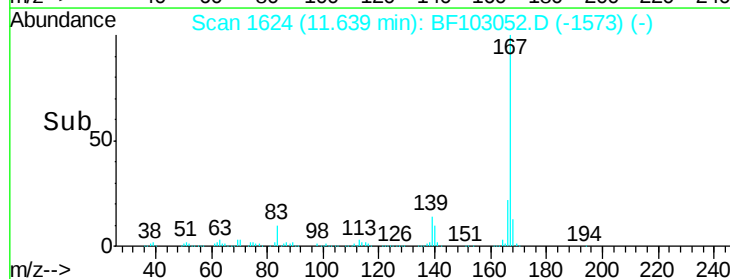
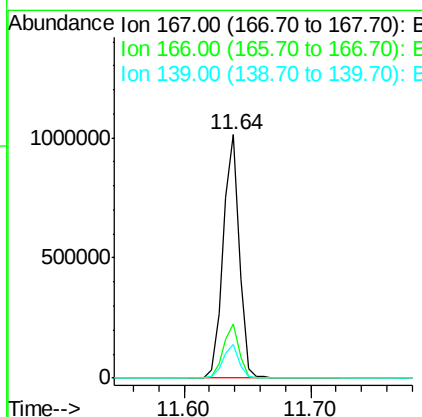
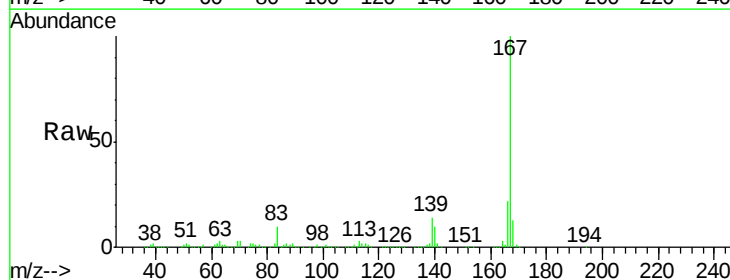
Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 2:32:19 PM



#72  
 Carbazole  
 Concen: 34.778 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 17.6  | 26.4  |
| 139     | 13.8  | 10.9  | 16.3  |





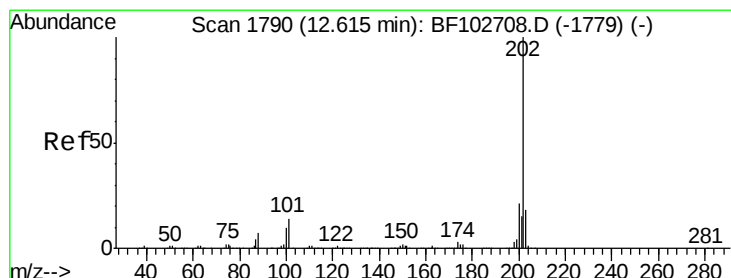
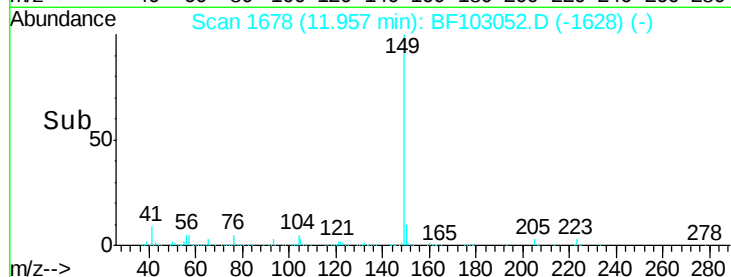
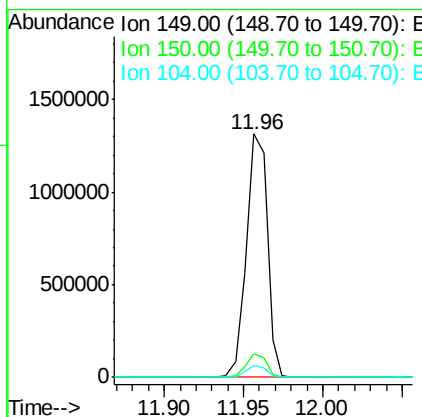
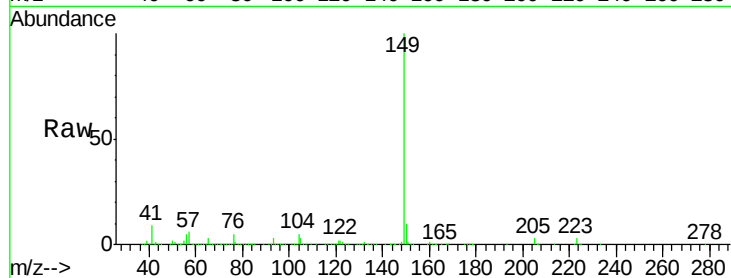
#73  
Di-n-butylphthalate  
Concen: 38.016 ng  
RT: 11.96 min Scan# 1678  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.6   | 7.8   | 11.6  |
| 104     | 4.9   | 3.8   | 5.8   |

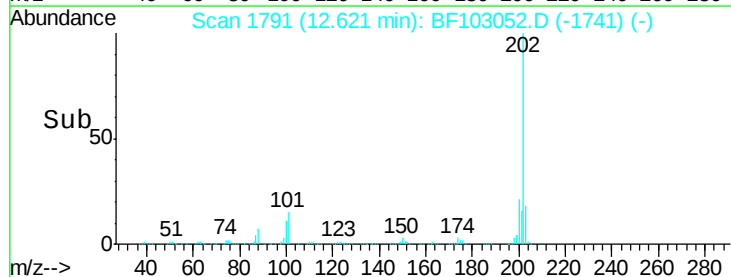
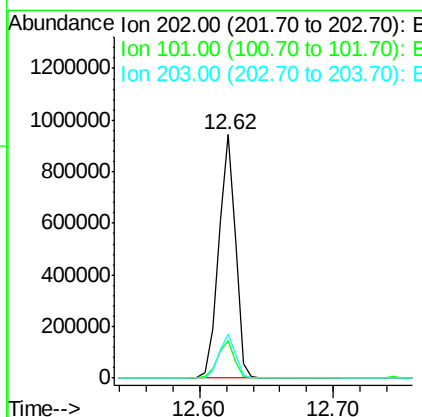
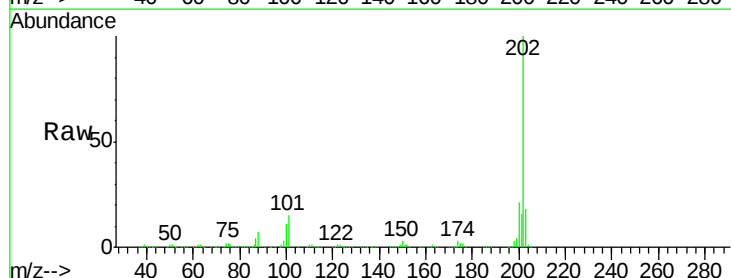
Manual Integrations  
APPROVED

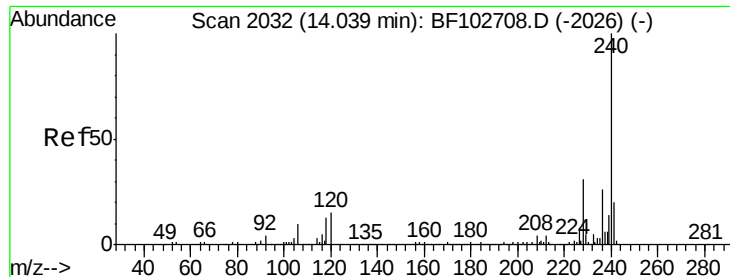
Sohil  
2/27/2018 2:32:19 PM



#74  
Fluoranthene  
Concen: 31.946 ng  
RT: 12.62 min Scan# 1791  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.3  | 0.0   | 34.1  |
| 203     | 17.8  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

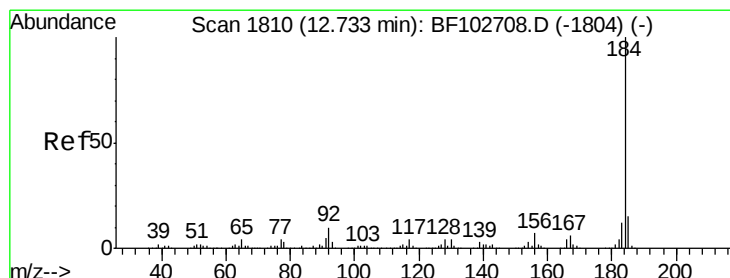
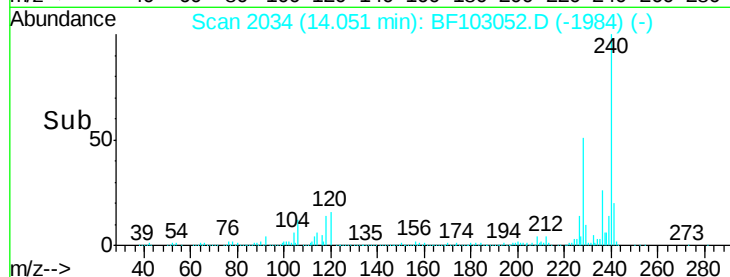
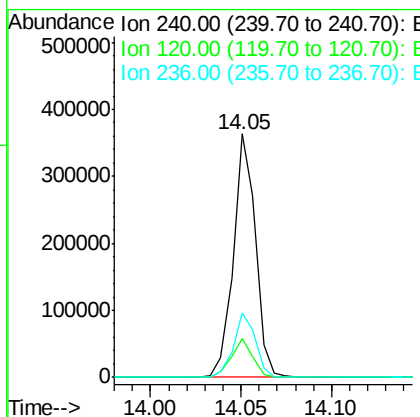
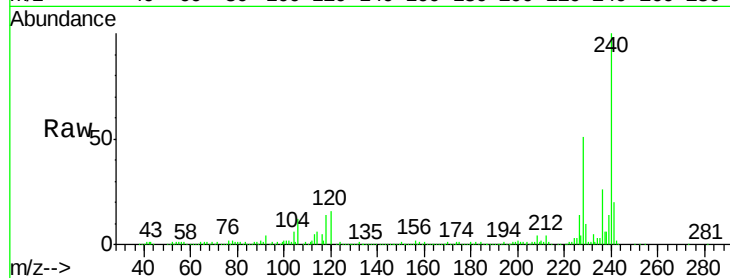
ClientSampled :

RO-155MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 308489 |       |       |
| 120     | 15.8  | 9.5    | 14.3  |       |
| 236     | 26.2  | 20.7   | 31.1  |       |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#76

Benzidine

Concen: 40.012 ng

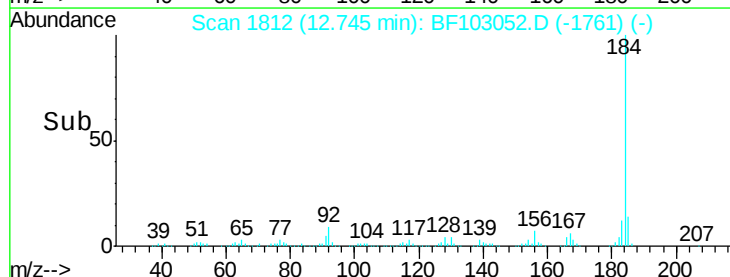
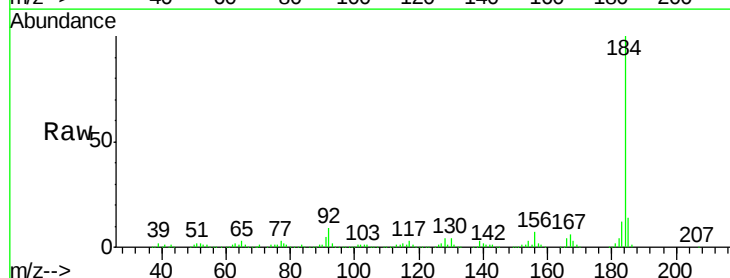
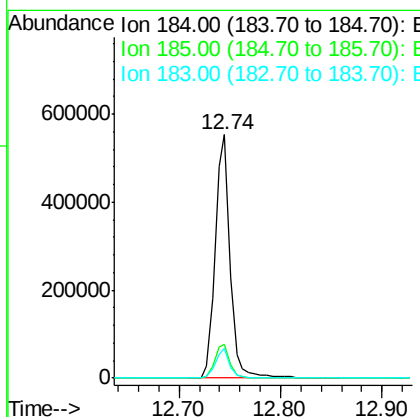
RT: 12.74 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 567304 |       |       |
| 185     | 14.0  | 12.6   | 18.8  |       |
| 183     | 12.0  | 9.3    | 13.9  |       |





#77

Pyrene

Concen: 34.867 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

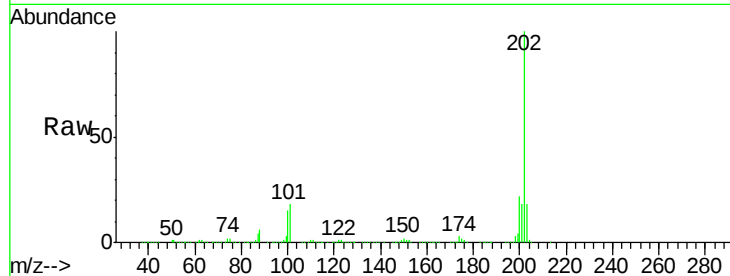
ClientSampleId :

RO-155MS

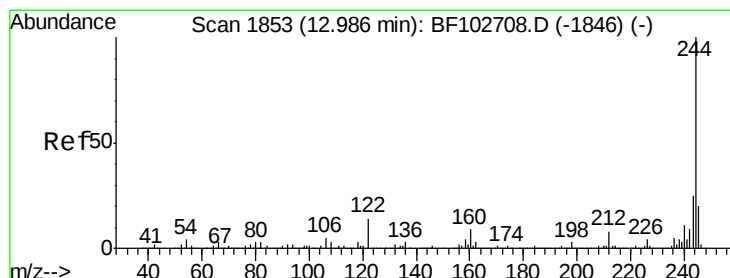
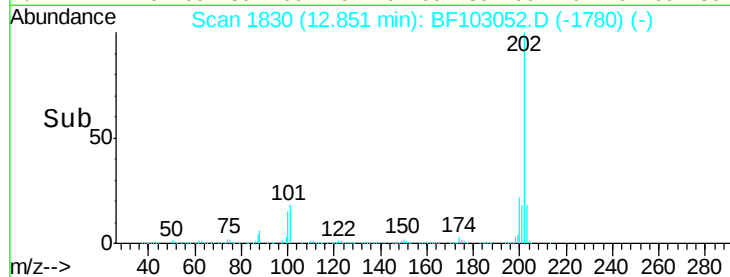
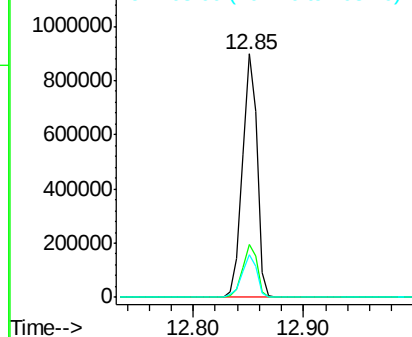
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 843440 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.6  | 17.4  | 26.2   |
| 203       | 17.6  | 14.3  | 21.5   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.038 ng

RT: 12.99 min Scan# 1854

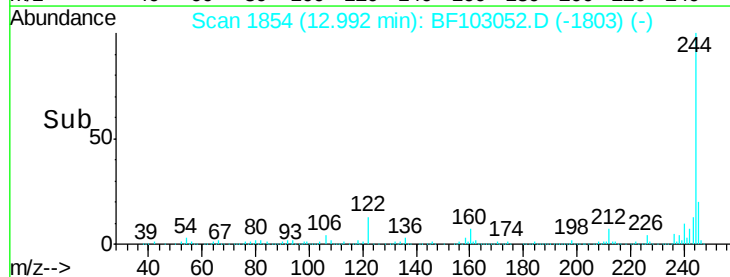
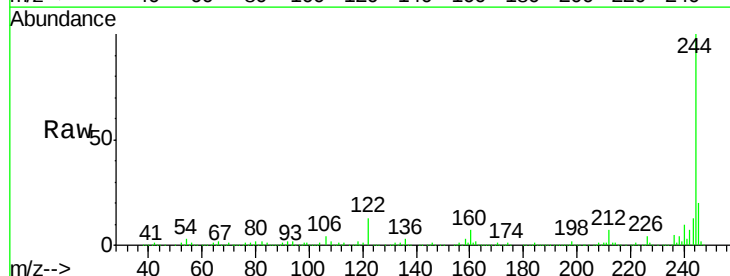
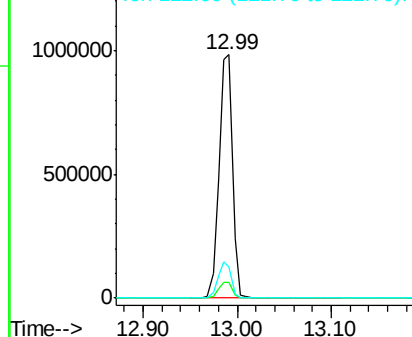
Delta R.T. -0.00 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 990672 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.7   | 5.4   | 8.0    |
| 122       | 12.6  | 11.0  | 16.4   |

Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





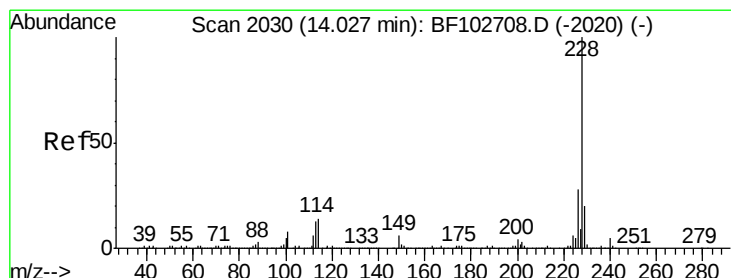
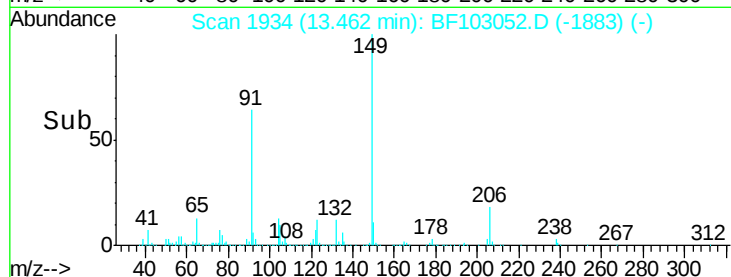
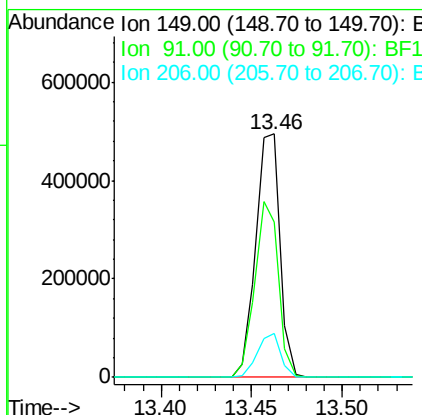
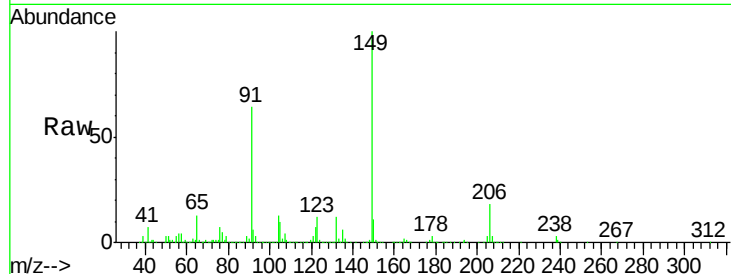
#79  
Butylbenzylphthalate  
Concen: 40.172 ng  
RT: 13.46 min Scan# 1934  
Delta R.T. -0.00 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 91      | 64.0  | 56.8       | 85.2       |
| 206     | 18.3  | 14.1       | 21.1       |

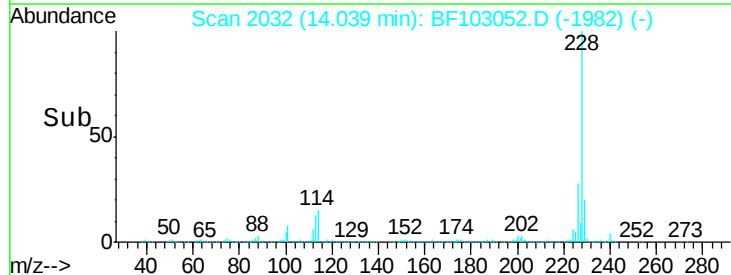
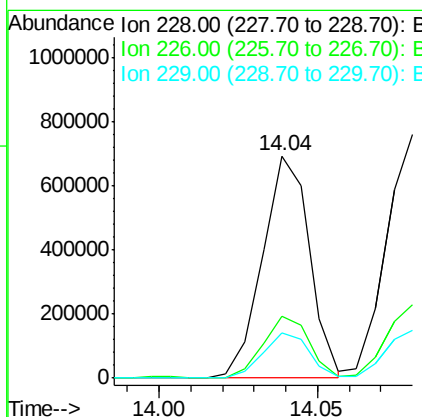
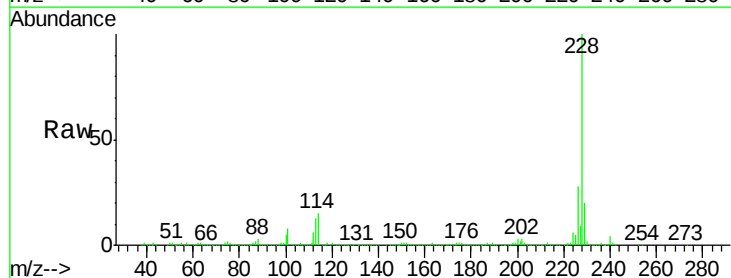
Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#80  
Benzo(a)anthracene  
Concen: 36.913 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 27.8  | 22.6       | 33.8       |
| 229     | 20.2  | 15.8       | 23.6       |





#81

3,3'-Dichlorobenzidine

Concen: 40.061 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

Instrument :

BNA\_F

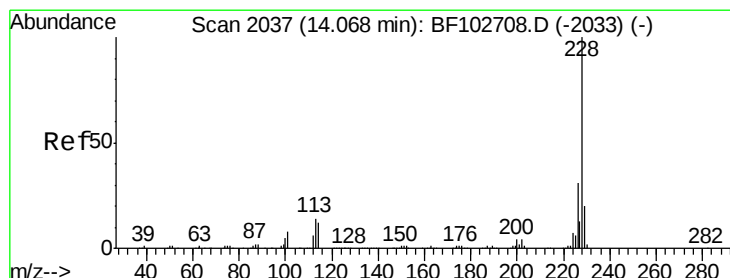
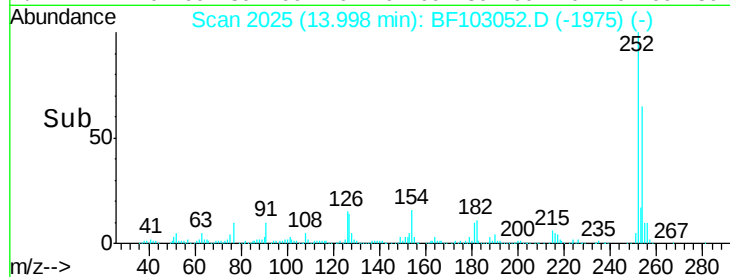
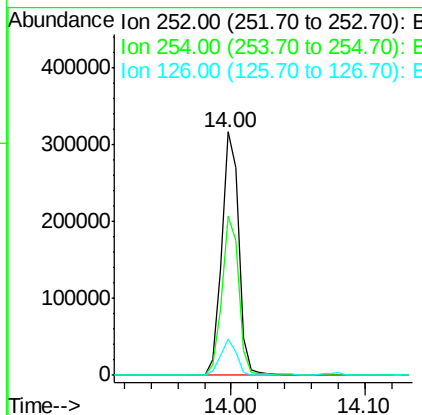
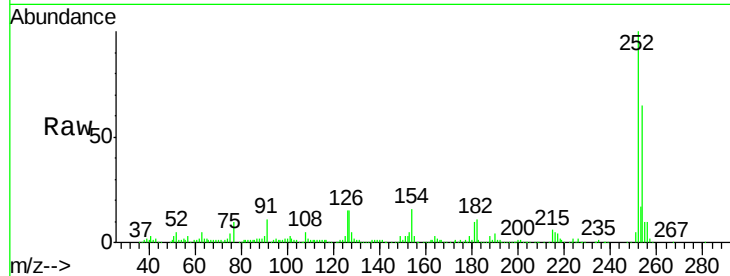
ClientSampleId :

RO-155MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 288179 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 254       | 65.2 | 50.4  | 75.6   |
| 126       | 14.9 | 11.3  | 16.9   |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#82

Chrysene

Concen: 34.971 ng

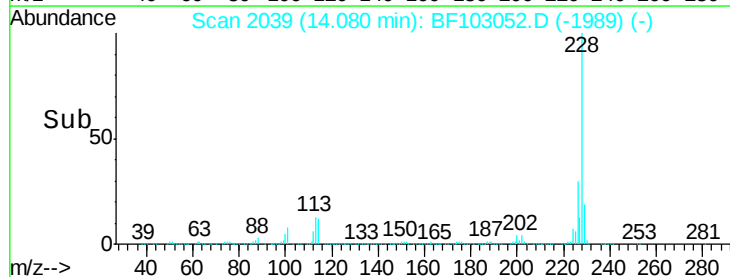
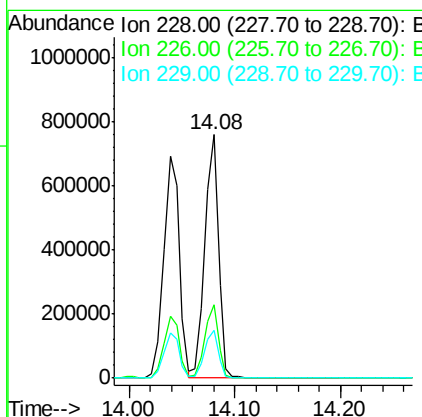
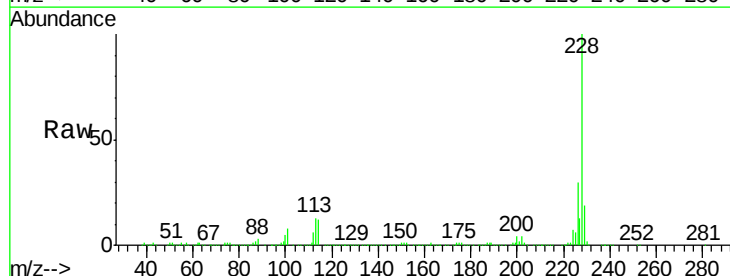
RT: 14.08 min Scan# 2039

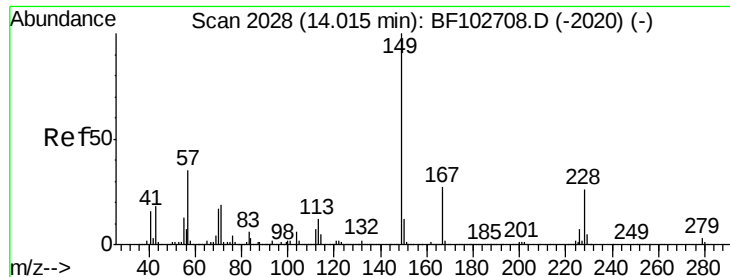
Delta R.T. -0.01 min

Lab File: BF103052.D

Acq: 16 Feb 2018 15:13

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 228  | Resp: | 683944 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 29.9 | 25.0  | 37.6   |
| 229       | 19.4 | 16.2  | 24.4   |





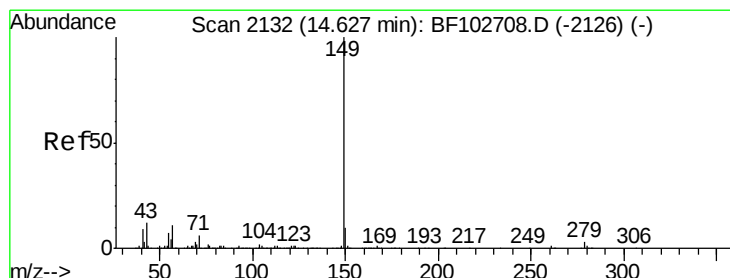
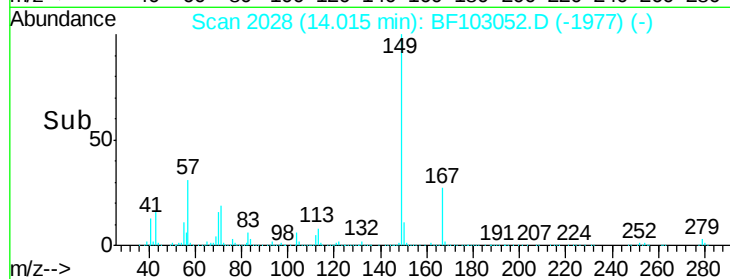
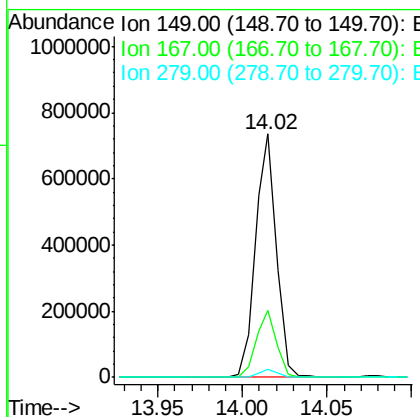
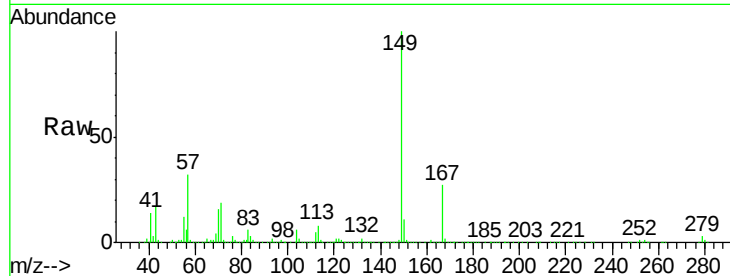
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.687 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.00 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.3  | 21.3  | 31.9  |
| 279     | 3.3   | 3.0   | 4.4   |

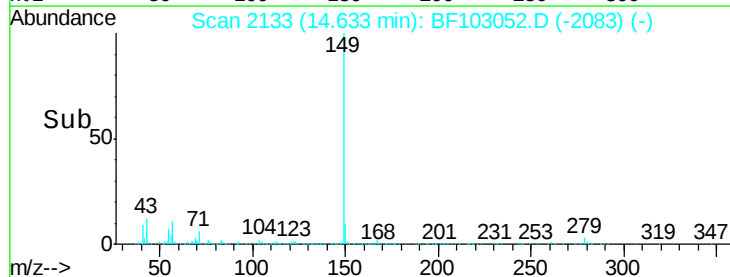
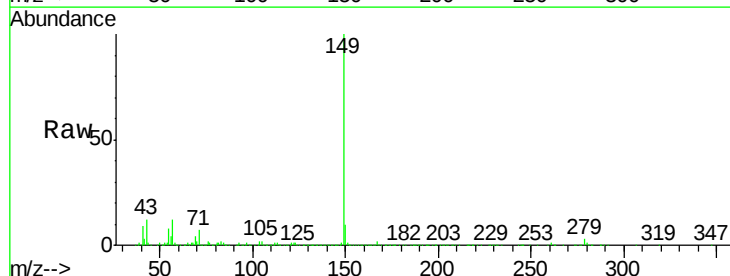
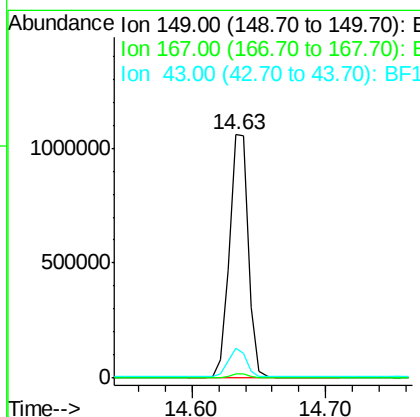
Manual Integrations  
 APPROVED

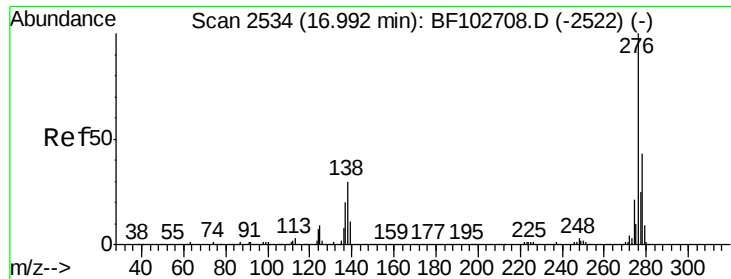
Sohil  
 2/27/2018 2:32:19 PM



#84  
 Di-n-octyl phthalate  
 Concen: 47.790 ng  
 RT: 14.63 min Scan# 2133  
 Delta R.T. -0.01 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.2   | 1.8   |
| 43      | 11.2  | 8.4   | 12.6  |





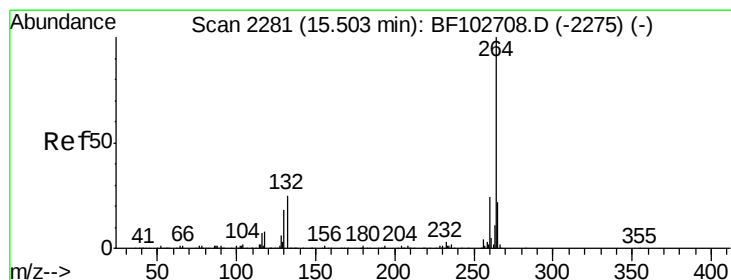
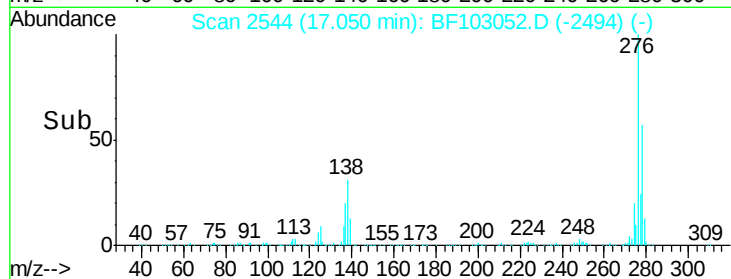
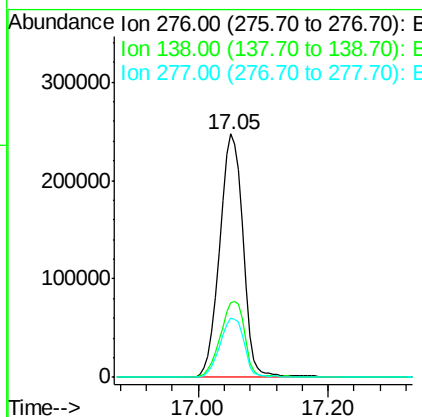
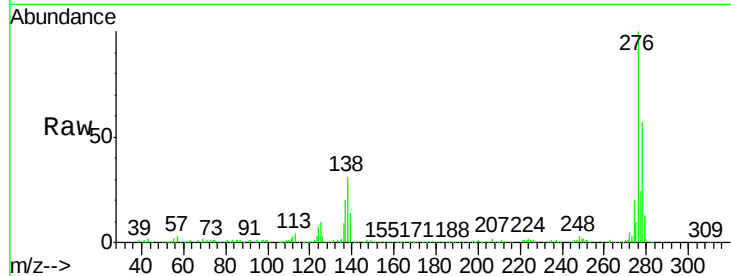
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.051 ng  
 RT: 17.05 min Scan# 2544  
 Delta R.T. -0.01 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.0  | 25.0  | 37.6  |
| 277     | 25.2  | 20.1  | 30.1  |

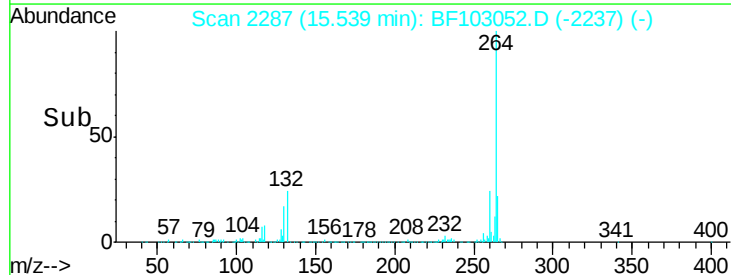
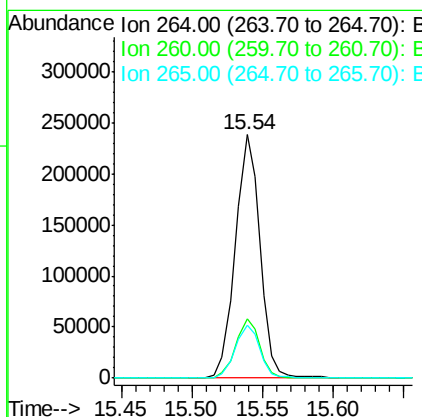
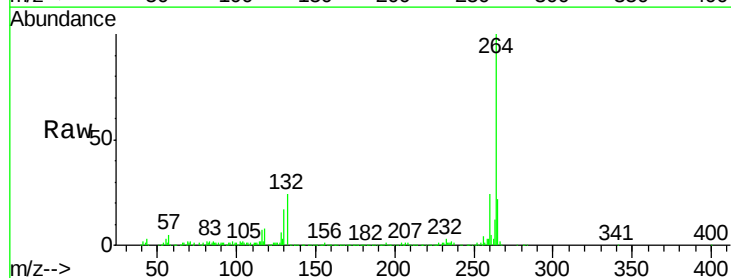
Manual Integrations  
 APPROVED

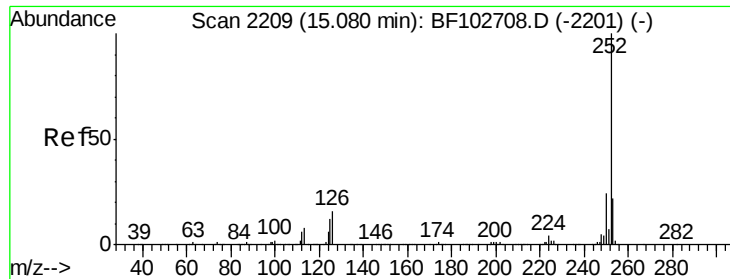
Sohil  
 2/27/2018 2:32:19 PM



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.54 min Scan# 2287  
 Delta R.T. -0.01 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 21.9  | 17.5  | 26.3  |





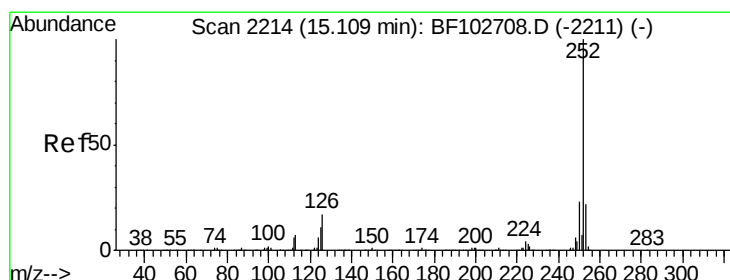
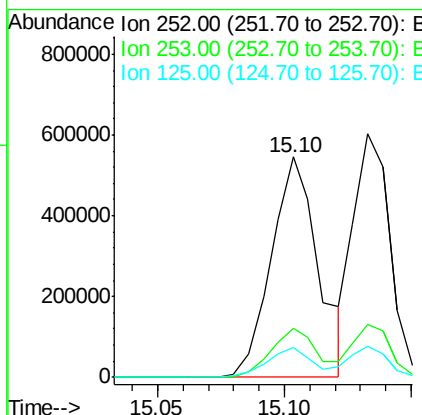
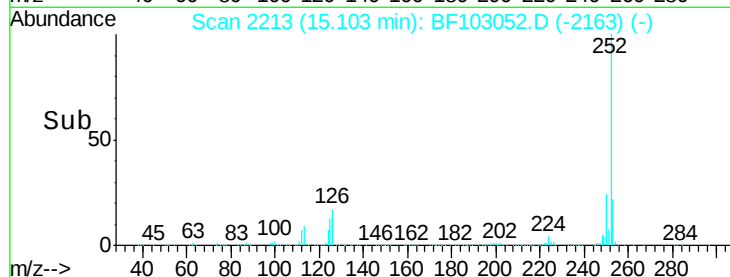
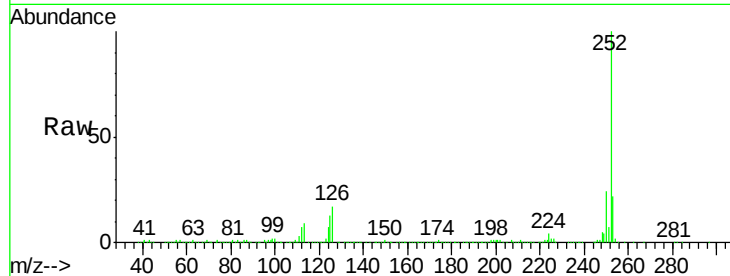
#87  
Benzo(b)fluoranthene  
Concen: 37.598 ng  
RT: 15.10 min Scan# 2213  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.0  | 25.6  |
| 125     | 13.3  | 9.0   | 13.6  |

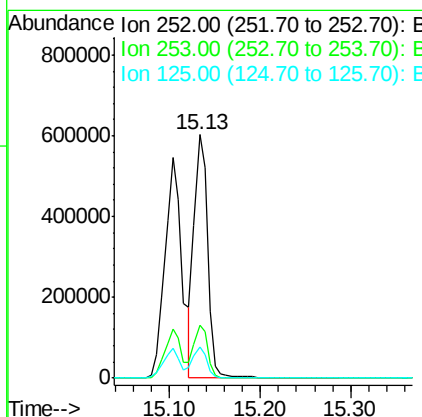
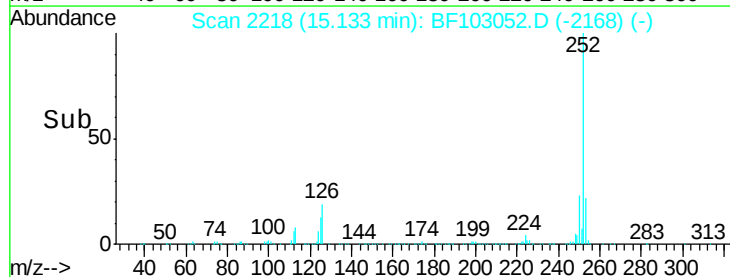
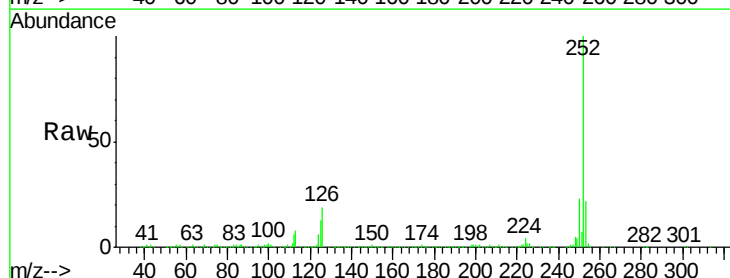
Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM



#88  
Benzo(k)fluoranthene  
Concen: 34.002 ng  
RT: 15.13 min Scan# 2218  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.9  | 26.9  |
| 125     | 12.9  | 10.2  | 15.2  |





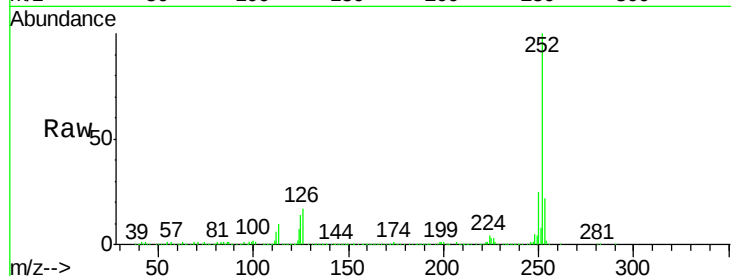
#89  
Benzo(a)pyrene  
Concen: 36.427 ng  
RT: 15.48 min Scan# 2277  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

Instrument :  
BNA\_F  
ClientSampleId :  
RO-155MS

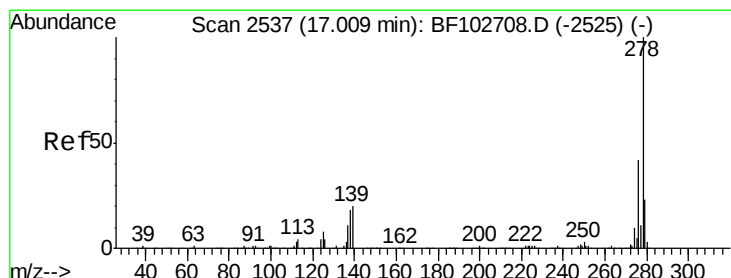
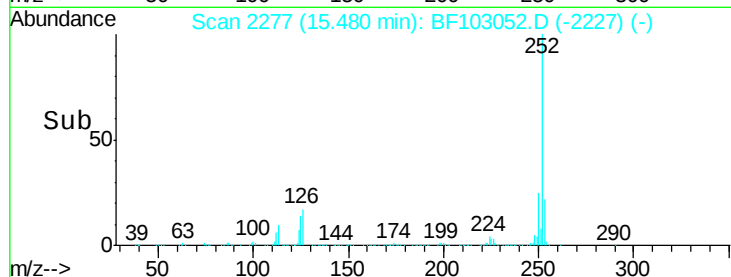
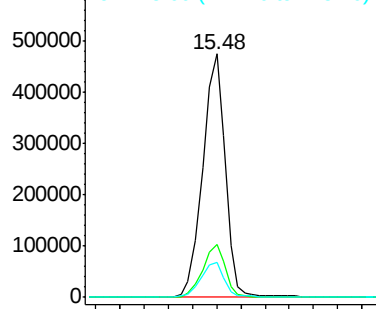
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.1  | 25.7  |
| 125     | 14.3  | 9.8   | 14.6  |

Manual Integrations  
APPROVED

Sohil  
2/27/2018 2:32:19 PM

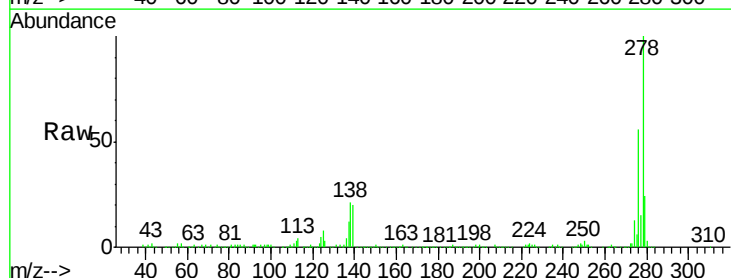


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

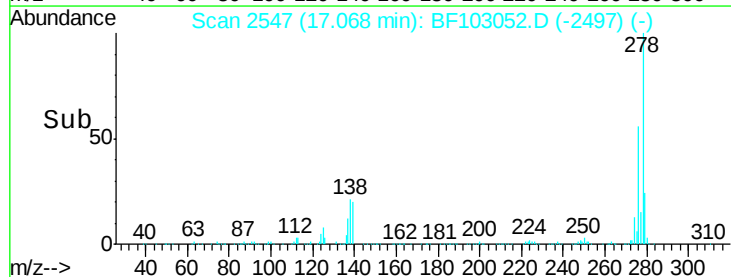
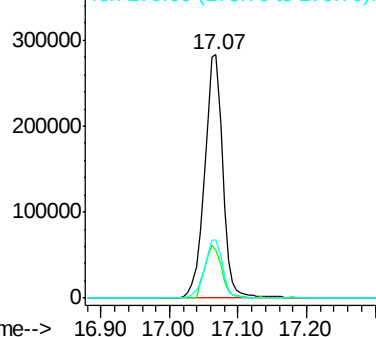


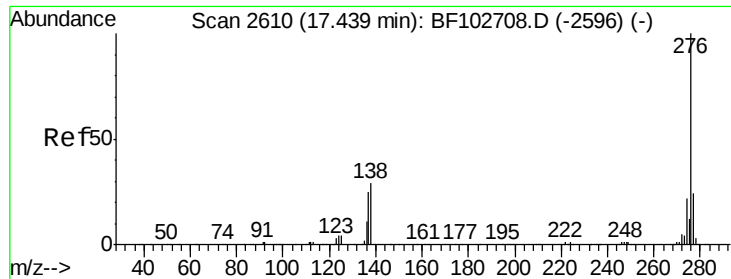
#90  
Dibenzo(a,h)anthracene  
Concen: 37.580 ng  
RT: 17.07 min Scan# 2547  
Delta R.T. -0.01 min  
Lab File: BF103052.D  
Acq: 16 Feb 2018 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.8  | 15.9  | 23.9  |
| 279     | 23.7  | 19.0  | 28.4  |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(g,h,i)perylene  
 Concen: 37.360 ng  
 RT: 17.51 min Scan# 2622  
 Delta R.T. -0.01 min  
 Lab File: BF103052.D  
 Acq: 16 Feb 2018 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-155MS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 24.1  | 17.9       | 26.9       |
| 138     | 28.9  | 21.8       | 32.8       |

Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 2:32:19 PM

