

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\  
 Data File : BF084767.D  
 Acq On : 3 Feb 2016 2:31  
 Operator : SJ/IZ  
 Sample : H1287-01MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

Manual Integrations  
 APPROVED

MMDadoda  
 2/3/2016 6:25:45 PM

Quant Time: Feb 03 06:46:18 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 01 14:55:11 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 182057   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.00  | 136  | 807610   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.74  | 164  | 343215   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.22 | 188  | 615622   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.85 | 240  | 358308   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.23 | 264  | 355489   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.32  | 112 | 1539450 | 131.71 | ng | 0.01  |
| 7) Phenol-d6                | 6.36  | 99  | 1828273 | 126.17 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 1263675 | 88.14  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330 | 485282  | 135.55 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 9.07  | 172 | 1965281 | 104.41 | ng | -0.02 |
| 78) Terphenyl-d14           | 12.81 | 244 | 1817131 | 114.92 | ng | -0.02 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.38 | 88  | 188068  | 36.73 | ng | # 73   |
| 3) Pyridine                    | 3.06 | 79  | 454437m | 34.07 | ng |        |
| 4) n-Nitrosodimethylamine      | 2.96 | 42  | 310033  | 44.94 | ng | 86     |
| 6) Aniline                     | 6.37 | 93  | 140407  | 7.92  | ng | # 1    |
| 8) 2-Chlorophenol              | 6.50 | 128 | 580096  | 43.85 | ng | 97     |
| 9) Benzaldehyde                | 6.25 | 77  | 255271  | 29.83 | ng | 99     |
| 10) Phenol                     | 6.37 | 94  | 686617  | 42.30 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 585822m | 46.28 | ng |        |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146 | 555336m | 39.73 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146 | 562308  | 40.24 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.88 | 146 | 510081  | 39.19 | ng | 95     |
| 15) Benzyl Alcohol             | 6.86 | 79  | 563861  | 56.35 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45  | 877715  | 41.22 | ng | 74     |
| 17) 2-Methylphenol             | 6.99 | 107 | 485506  | 46.40 | ng | # 76   |
| 18) Hexachloroethane           | 7.21 | 117 | 231142  | 42.95 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70  | 452565  | 49.83 | ng | # 82   |
| 20) 3+4-Methylphenols          | 7.17 | 107 | 702902  | 54.12 | ng | 90     |
| 22) Acetophenone               | 7.12 | 105 | 869021  | 40.83 | ng | 99     |
| 24) Nitrobenzene               | 7.29 | 77  | 607528  | 39.57 | ng | 97     |
| 25) Isophorone                 | 7.55 | 82  | 1352512 | 48.52 | ng | 96     |
| 26) 2-Nitrophenol              | 7.61 | 139 | 309207  | 40.84 | ng | # 83   |
| 27) 2,4-Dimethylphenol         | 7.70 | 122 | 574871  | 43.65 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 906692  | 54.82 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.89 | 162 | 470086  | 41.72 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.94 | 180 | 456845  | 35.89 | ng | # 94   |
| 31) Naphthalene                | 8.01 | 128 | 1551768 | 38.31 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 463637m | 55.04 | ng |        |
| 33) 4-Chloroaniline            | 8.10 | 127 | 150110  | 8.96  | ng | # 93   |
| 34) Hexachlorobutadiene        | 8.13 | 225 | 283232  | 38.59 | ng | 98     |
| 35) Caprolactam                | 8.49 | 113 | 151745  | 43.69 | ng | # 44   |
| 36) 4-Chloro-3-methylphenol    | 8.58 | 107 | 609546  | 47.41 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.70 | 142 | 1147113 | 45.24 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 490391  | 44.99 | ng | # 95   |
| 40) Hexachlorocyclopentadiene  | 8.85 | 237 | 451768  | 89.53 | ng | 98     |

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Instrument :  
 BNA\_F  
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 SUP-B012(10-12.5)MSD

Manual Integrations  
 APPROVED

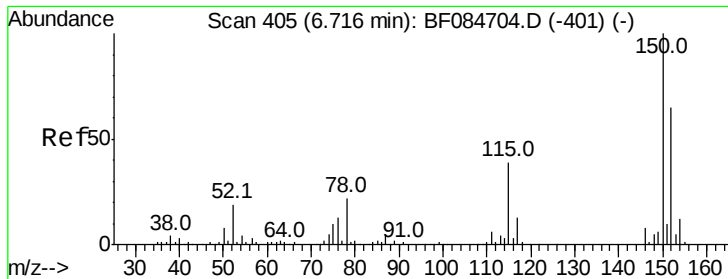
MMDadoda  
 2/3/2016 6:25:45 PM

Quant Time: Feb 03 06:46:18 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 01 14:55:11 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.00  | 196  | 337139   | 48.01  | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 341016   | 47.79  | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.17  | 154  | 1472615  | 48.04  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.20  | 162  | 1072315  | 47.50  | nq #  | 88       |
| 47) 2-Nitroaniline             | 9.30  | 65   | 367573   | 51.42  | nq    | 94       |
| 48) Acenaphthylene             | 9.61  | 152  | 1676919  | 48.95  | nq    | 98       |
| 49) Dimethylphthalate          | 9.48  | 163  | 1182541  | 45.24  | nq #  | 90       |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 268201   | 46.97  | nq #  | 59       |
| 51) Acenaphthene               | 9.78  | 154  | 1130768  | 50.73  | nq    | 96       |
| 52) 3-Nitroaniline             | 9.71  | 138  | 157305   | 24.51  | nq #  | 77       |
| 53) 2,4-Dinitrophenol          | 9.81  | 184  | 321101   | 118.79 | nq #  | 77       |
| 54) Dibenzofuran               | 9.95  | 168  | 1497130  | 54.96  | nq    | 95       |
| 55) 4-Nitrophenol              | 9.89  | 139  | 367036   | 77.83  | nq #  | 79       |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 329601   | 45.25  | nq #  | 71       |
| 57) Fluorene                   | 10.29 | 166  | 1175935  | 51.69  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.08 | 232  | 303060   | 55.79  | nq    | 87       |
| 59) Diethylphthalate           | 10.18 | 149  | 1234702  | 48.37  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.28 | 204  | 482814   | 51.58  | nq    | 92       |
| 61) 4-Nitroaniline             | 10.33 | 138  | 235707   | 37.70  | nq    | 83       |
| 62) Azobenzene                 | 10.44 | 77   | 1279421  | 52.13  | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 10.35 | 198  | 207018   | 54.48  | nq    | 79       |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 1001823  | 51.25  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.77 | 248  | 358930   | 52.79  | nq #  | 91       |
| 67) Hexachlorobenzene          | 10.83 | 284  | 358257   | 48.35  | nq #  | 84       |
| 68) Atrazine                   | 10.94 | 200  | 296275   | 47.99  | nq    | 98       |
| 69) Pentachlorophenol          | 11.04 | 266  | 398761   | 114.52 | nq    | 99       |
| 70) Phenanthrene               | 11.24 | 178  | 1602021  | 46.92  | nq    | 98       |
| 71) Anthracene                 | 11.30 | 178  | 1739398  | 50.56  | nq    | 98       |
| 72) Carbazole                  | 11.46 | 167  | 1548462  | 51.61  | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.79 | 149  | 1763025  | 46.16  | nq #  | 95       |
| 74) Fluoranthene               | 12.43 | 202  | 1758484  | 50.88  | nq    | 95       |
| 77) Pyrene                     | 12.66 | 202  | 1756458  | 64.03  | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.29 | 149  | 737099   | 59.23  | nq #  | 95       |
| 80) Benzo(a)anthracene         | 13.84 | 228  | 1216585  | 54.71  | nq    | 99       |
| 82) Chrysene                   | 13.88 | 228  | 1208288  | 56.03  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149  | 871616   | 56.28  | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 1433667  | 56.11  | nq #  | 90       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.53 | 276  | 1147987  | 67.63  | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 1085636m | 45.45  | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.88 | 252  | 939511m  | 47.57  | nq    |          |
| 89) Benzo(a)pyrene             | 15.17 | 252  | 982254   | 48.26  | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 16.56 | 278  | 957113   | 55.87  | nq #  | 94       |
| 91) Benzo(g,h,i)perylene       | 16.93 | 276  | 1003623  | 58.16  | nq    | 96       |

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





#1

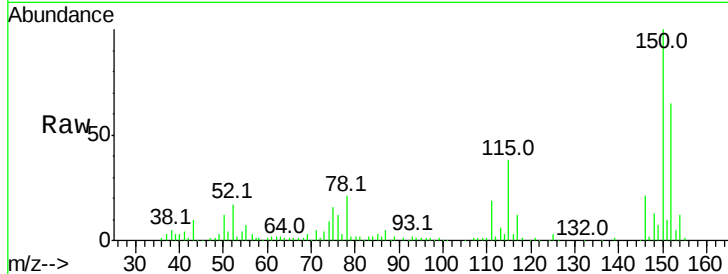
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.70 min Scan# 404  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

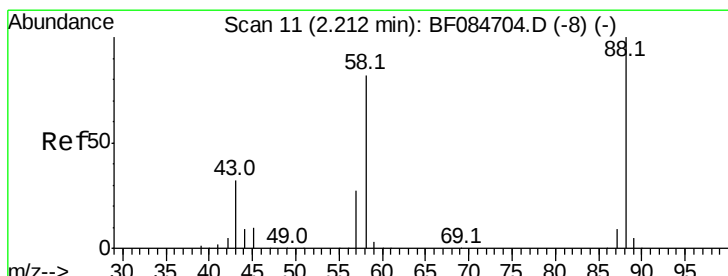
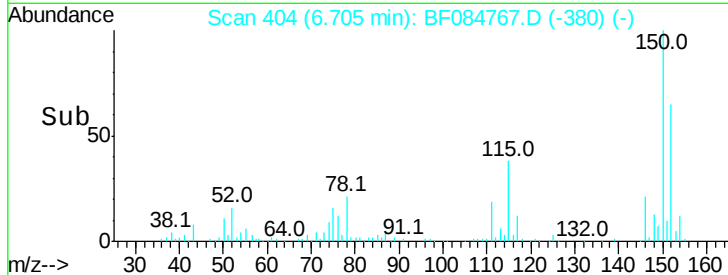
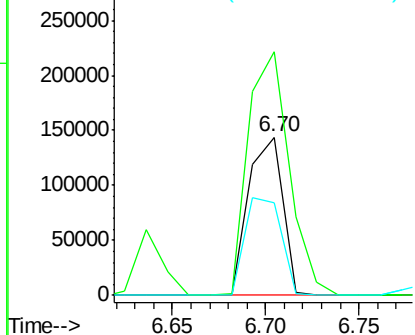
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 123.0 | 184.4 |
| 115     | 58.2  | 51.4  | 77.2  |

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

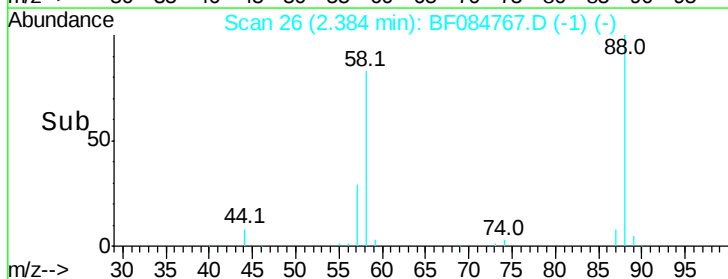
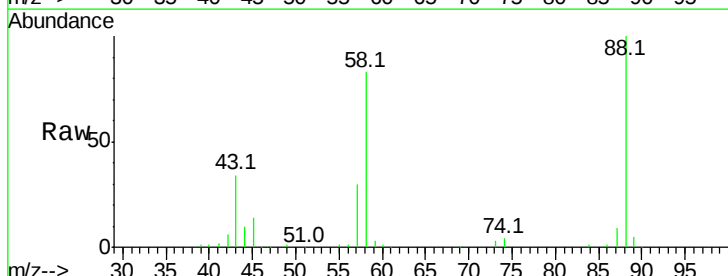
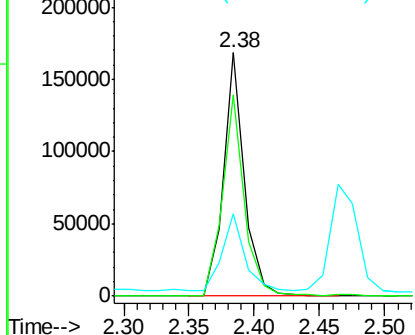


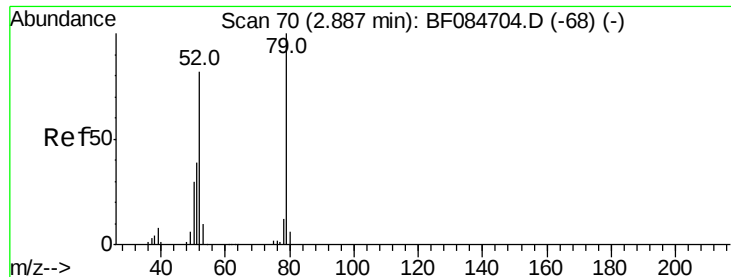
#2

1,4-Dioxane  
Concen: 36.73 ng  
RT: 2.38 min Scan# 26  
Delta R.T. 0.16 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 86.2  | 51.2  | 76.8# |
| 43      | 35.3  | 19.5  | 29.3# |

Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 34.07 ng/ml

RT: 3.06 min Scan# 85

Delta R.T. 0.15 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

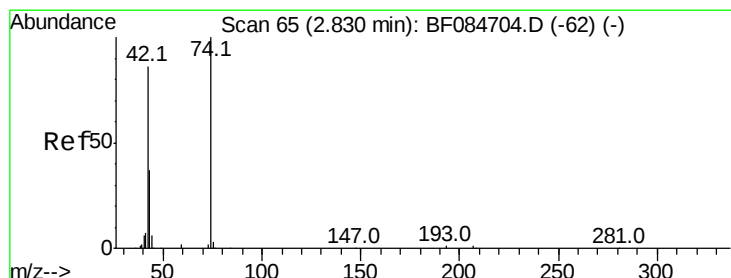
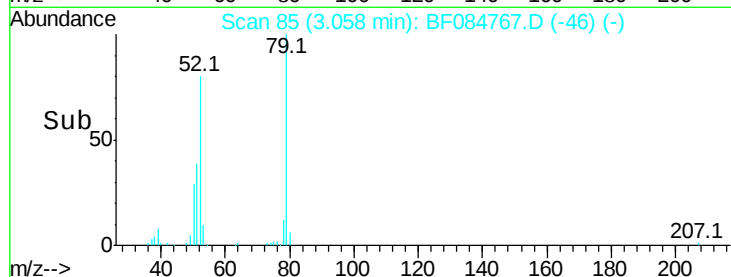
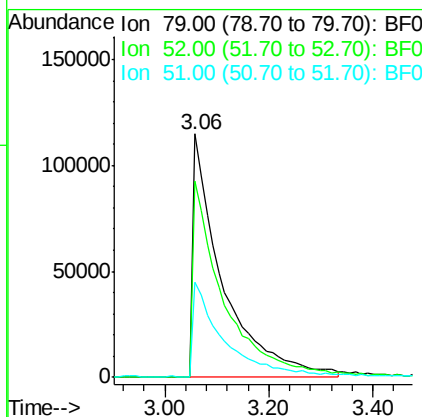
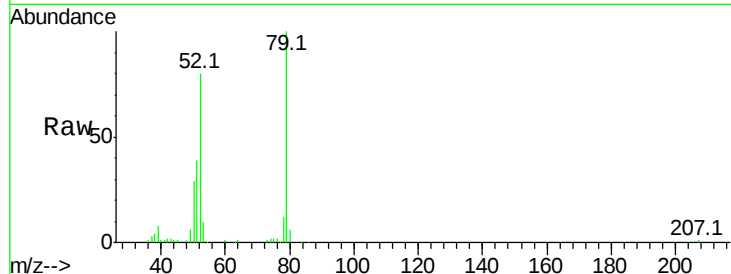
SUP-B012(10-12.5)MSD

Tot Ion: 79 Resp: 454437

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 80.4  | 49.0  | 73.4# |
| 51  | 39.2  | 25.2  | 37.8# |

Manual Integrations  
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2/3/2016 6:25:45 PM



#4

n-Nitrosodimethylamine

Concen: 44.94 ng/ml

RT: 2.96 min Scan# 76

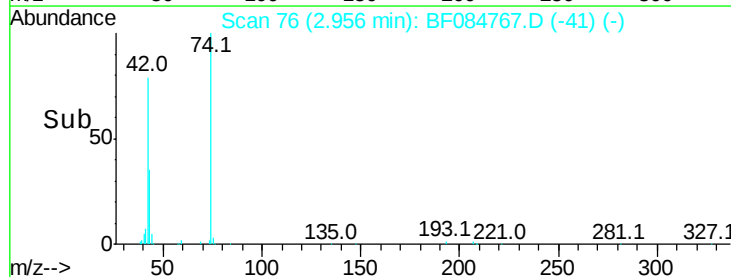
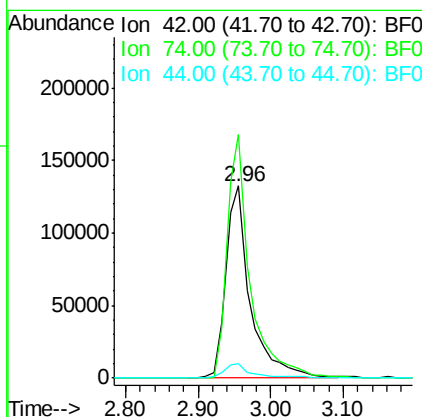
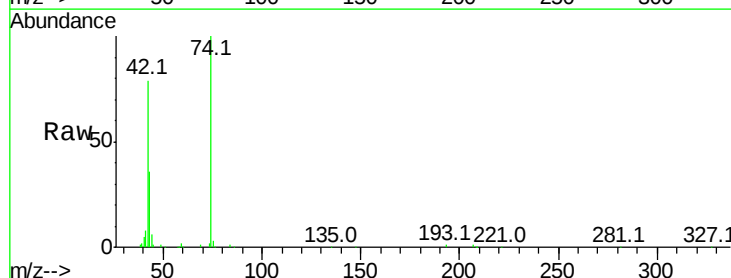
Delta R.T. 0.10 min

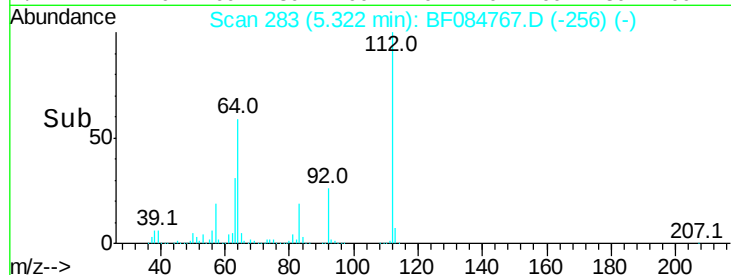
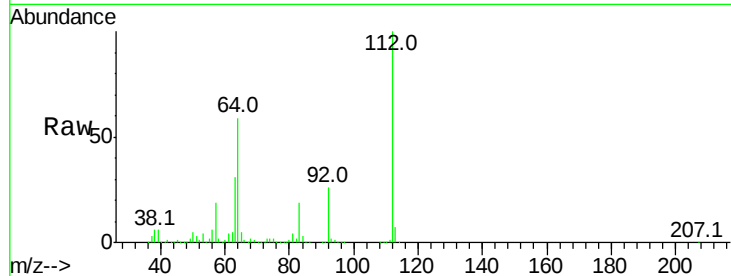
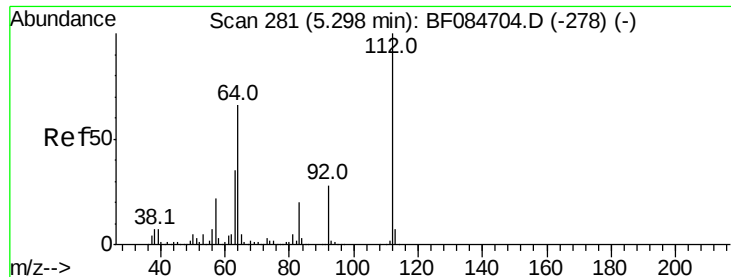
Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Tgt Ion: 42 Resp: 310033

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 126.6 | 115.7 | 173.5 |
| 44  | 7.2   | 5.1   | 7.7   |





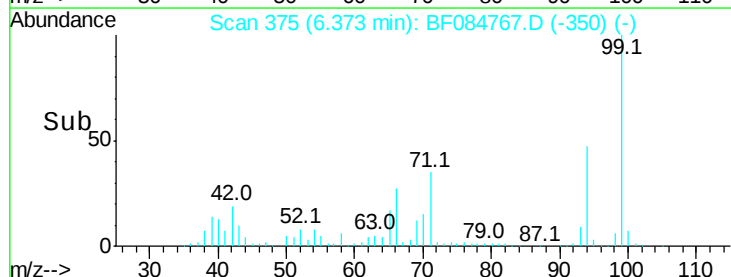
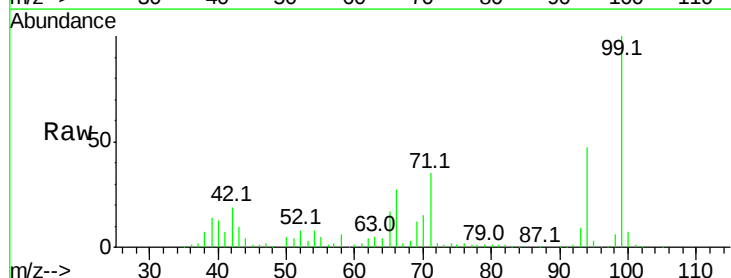
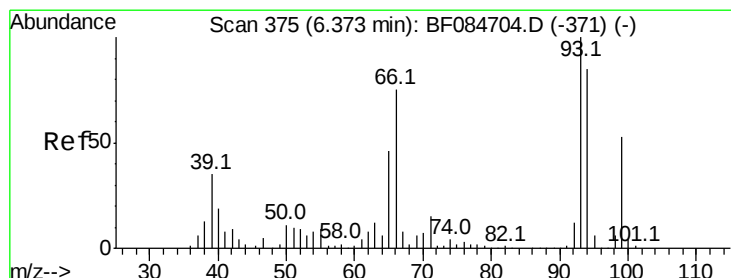
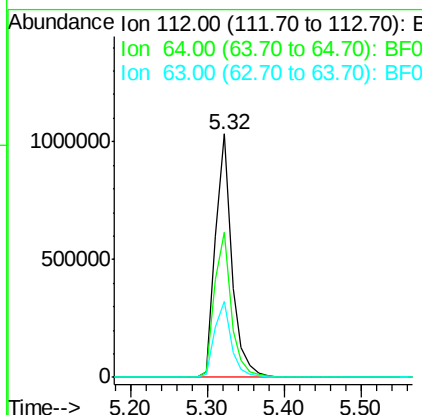
#5  
2-Fluorophenol  
Concen: 131.71 ng  
RT: 5.32 min Scan# 283  
Delta R.T. 0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Tot Ion: 112 Resp: 1539450  
Ion Ratio Lower Upper  
112 100  
64 59.3 36.6 55.0#  
63 31.3 19.4 29.0#

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

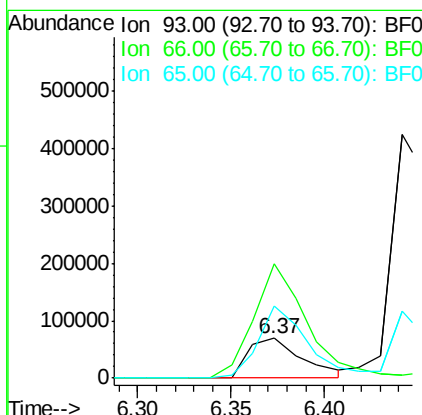
Manual Integrations  
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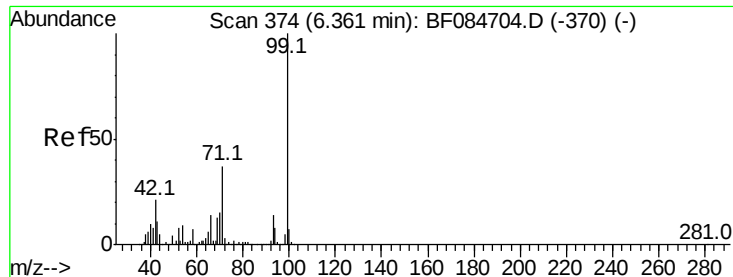
MMDadoda  
2/3/2016 6:25:45 PM



#6  
Aniline  
Concen: 7.92 ng  
RT: 6.37 min Scan# 375  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Tgt Ion: 93 Resp: 140407  
Ion Ratio Lower Upper  
93 100  
66 285.5 44.9 67.3#  
65 182.0 23.7 35.5#





#7

Phenol-d6

Concen: 126.17 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion: 99 Resp: 1828273

Ion Ratio Lower Upper

99 100

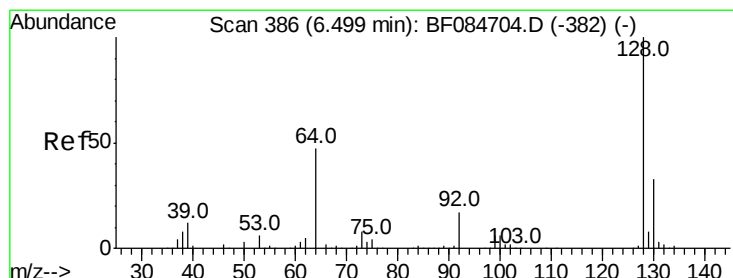
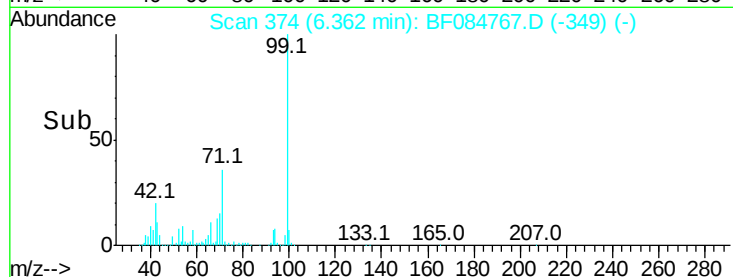
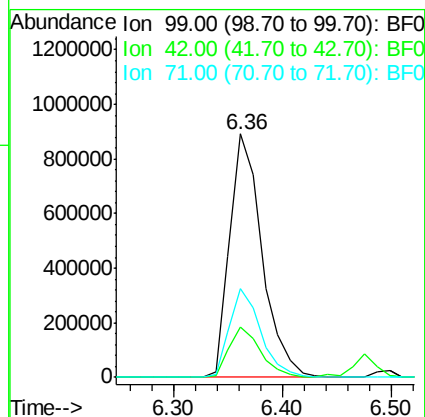
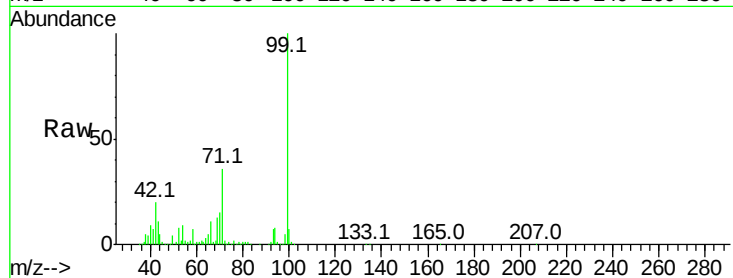
42 20.5 12.8 19.2#

71 36.4 30.9 46.3

Manual Integrations  
APPROVED

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2/3/2016 6:25:45 PM



#8

2-Chlorophenol

Concen: 43.85 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

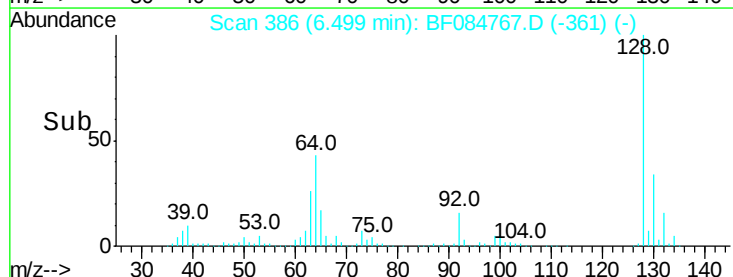
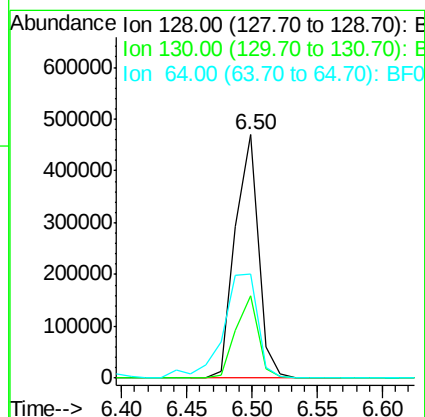
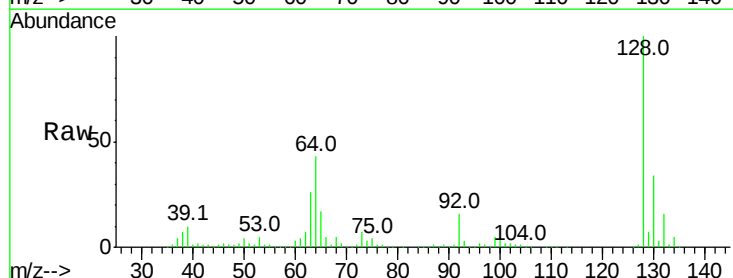
Tgt Ion:128 Resp: 580096

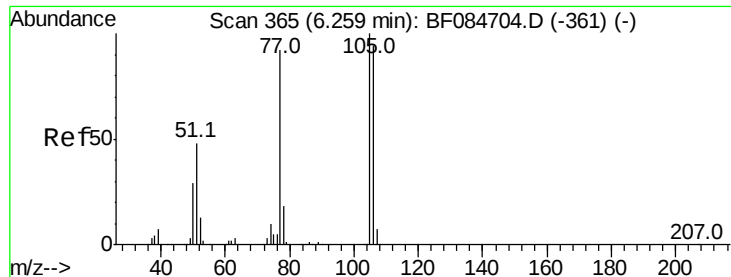
Ion Ratio Lower Upper

128 100

130 34.0 11.6 51.6

64 42.6 23.8 63.8





#9

Benzaldehyde

Concen: 29.83 ng

RT: 6.25 min Scan# 364

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

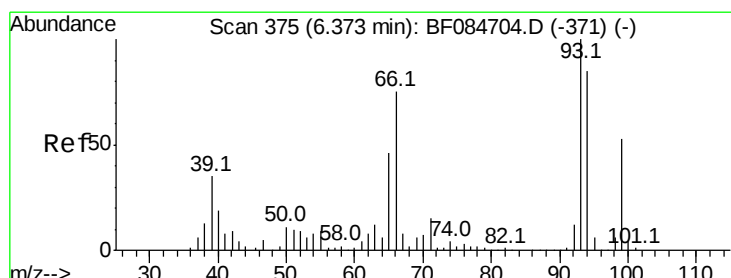
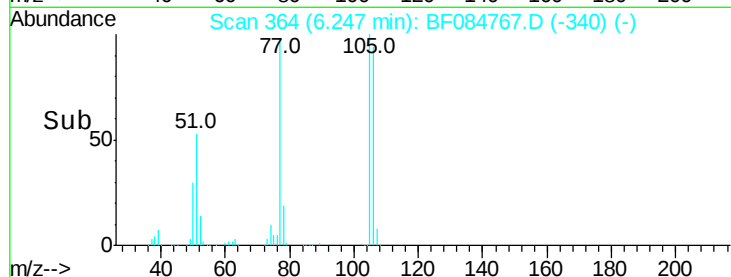
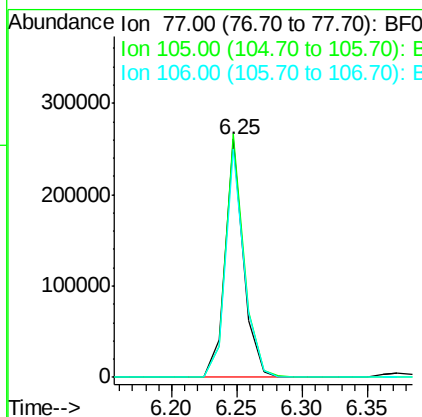
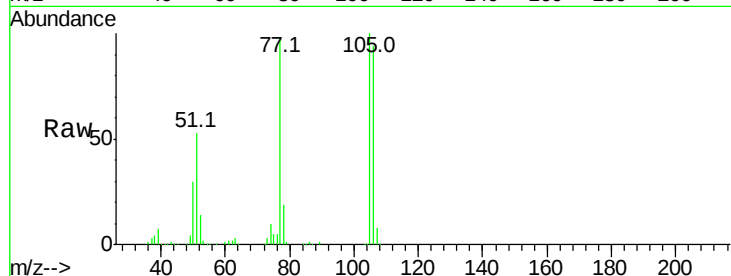
ClientSampleId :

SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 102.2 | 83.0  | 123.0 |
| 106     | 95.7  | 74.6  | 114.6 |

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#10

Phenol

Concen: 42.30 ng

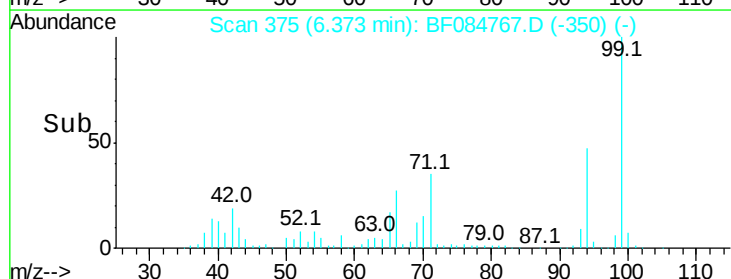
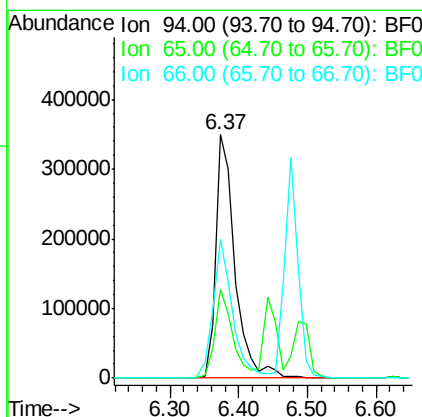
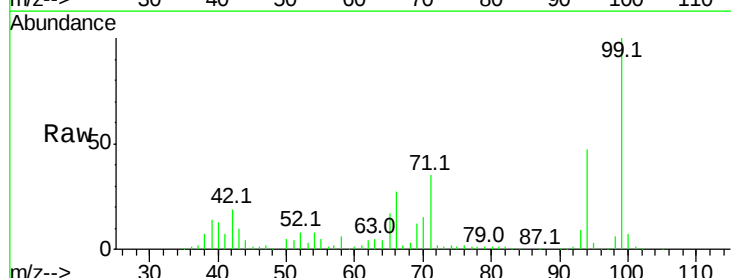
RT: 6.37 min Scan# 375

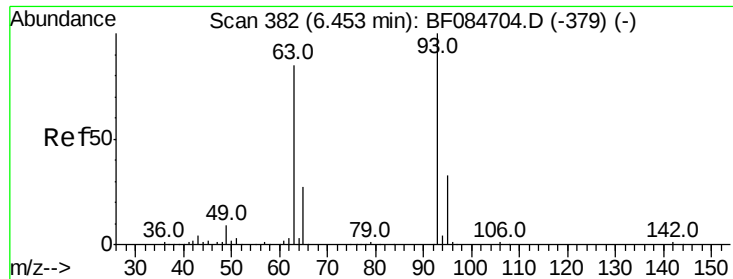
Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 36.3  | 12.9  | 52.9  |
| 66      | 56.9  | 32.7  | 72.7  |





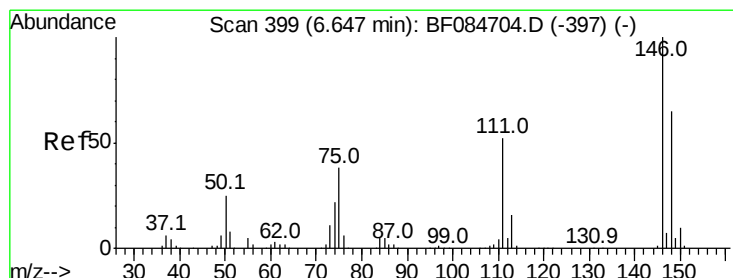
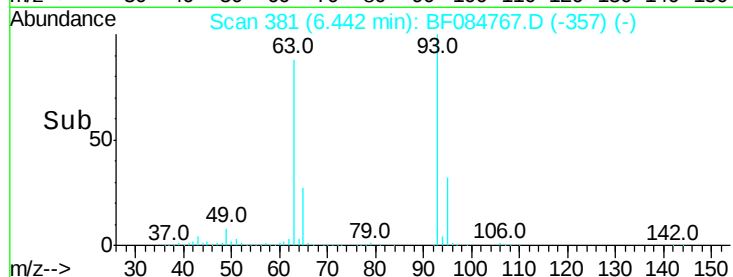
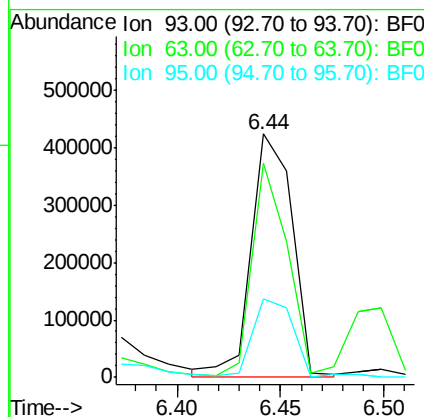
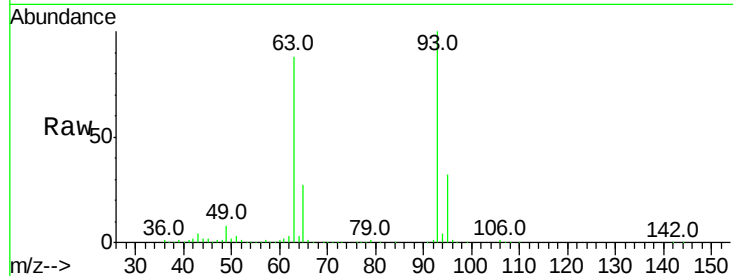
#11  
bis(2-Chloroethyl)ether  
Concen: 46.28 ng/ml  
RT: 6.44 min Scan# 381  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 87.8  | 45.9  | 85.9# |
| 95      | 32.2  | 12.3  | 52.3  |

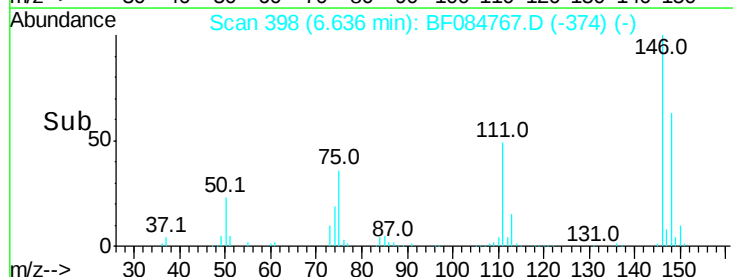
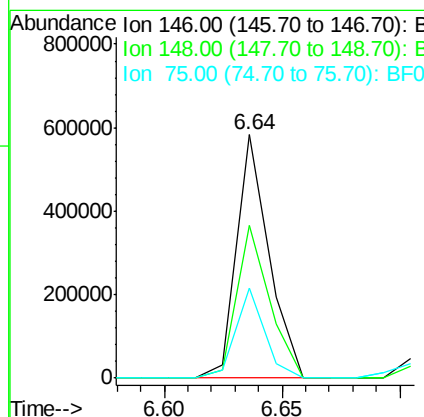
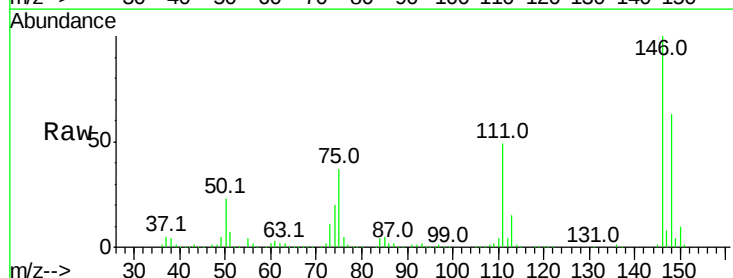
Manual Integrations  
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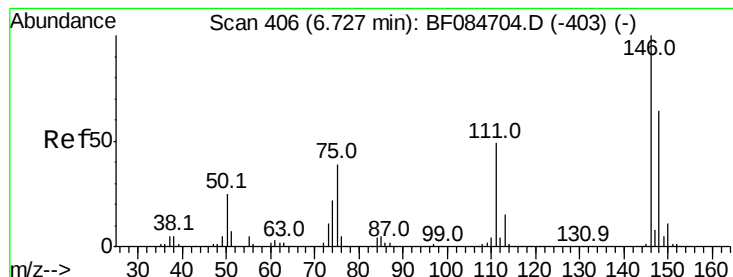
MMDadoda  
2/3/2016 6:25:45 PM



#12  
1,3-Dichlorobenzene  
Concen: 39.73 ng/ml  
RT: 6.64 min Scan# 398  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.0  | 51.9  | 77.9  |
| 75      | 36.8  | 20.5  | 30.7# |





#13

1,4-Dichlorobenzene

Concen: 40.24 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

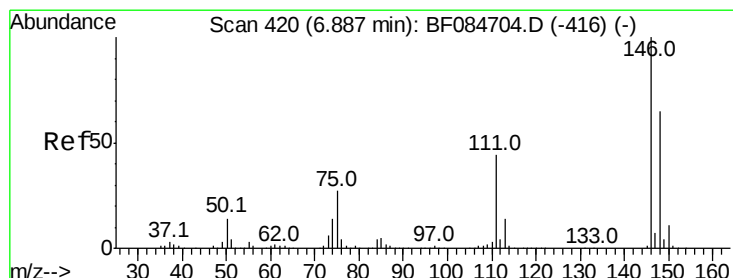
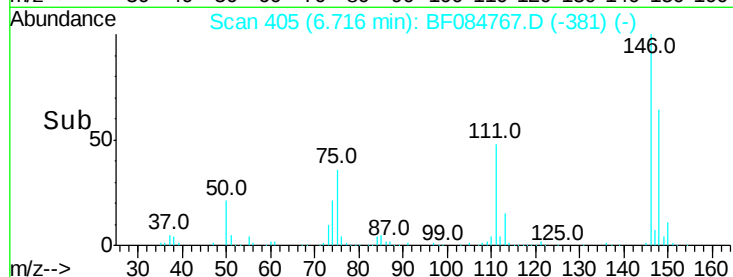
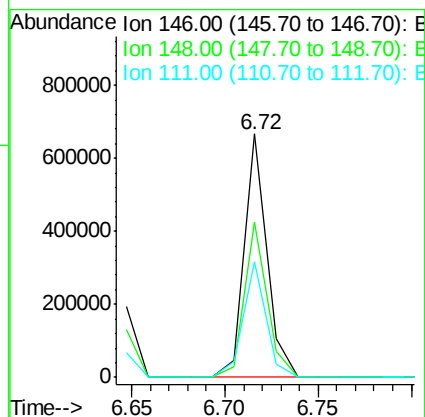
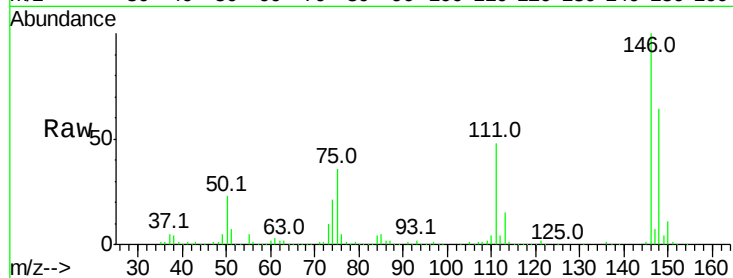
ClientSampleId :

SUP-B012(10-12.5)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 562308 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.0  | 51.9  | 77.9   |
| 111       | 47.5  | 41.6  | 62.4   |

Manual Integrations  
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#14

1,2-Dichlorobenzene

Concen: 39.19 ng

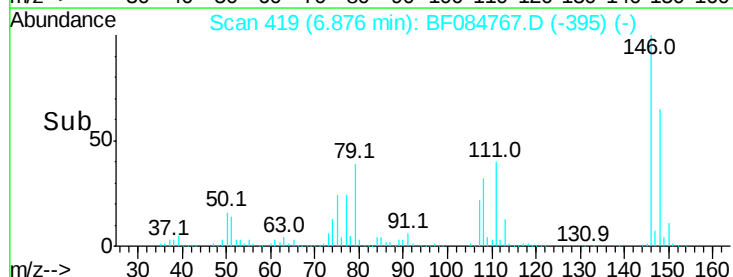
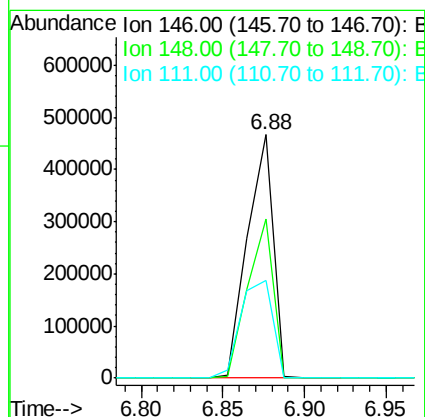
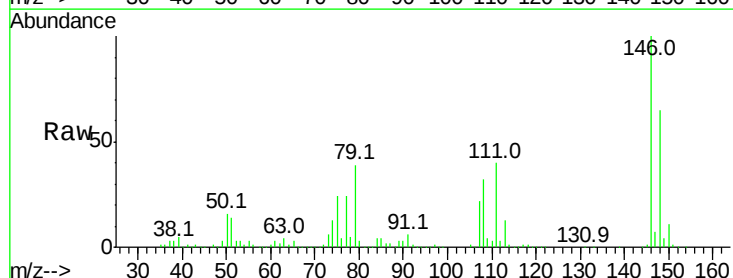
RT: 6.88 min Scan# 419

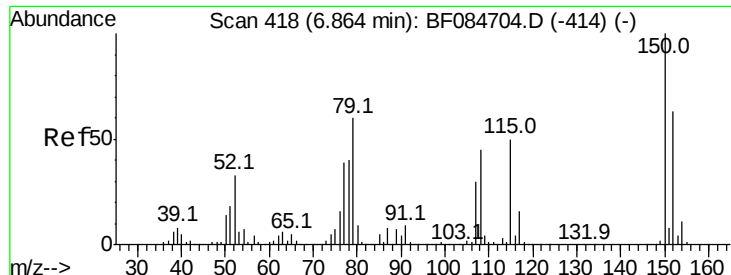
Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 510081 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.5  | 51.6  | 77.4   |
| 111       | 40.1  | 38.0  | 57.0   |





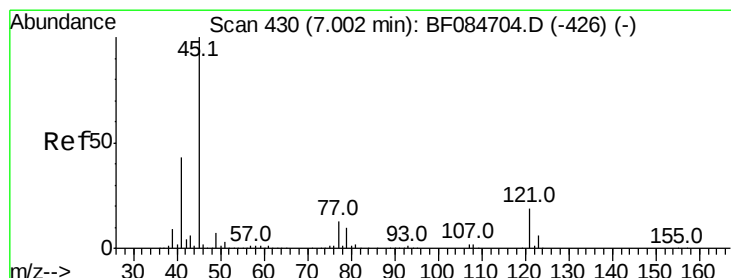
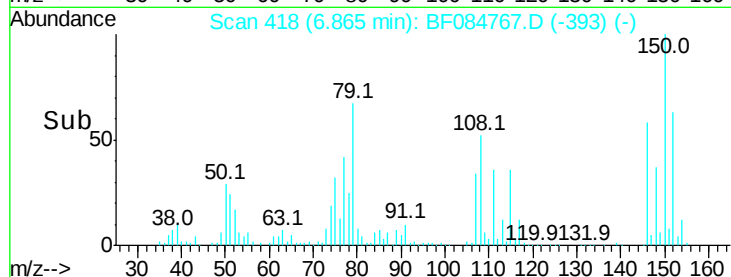
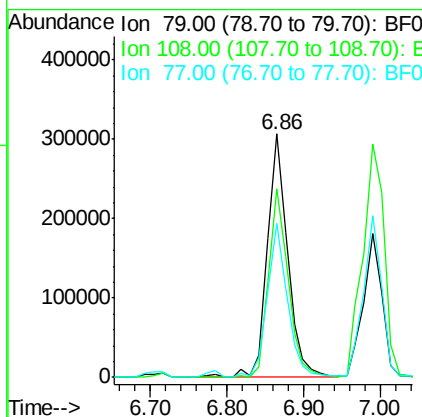
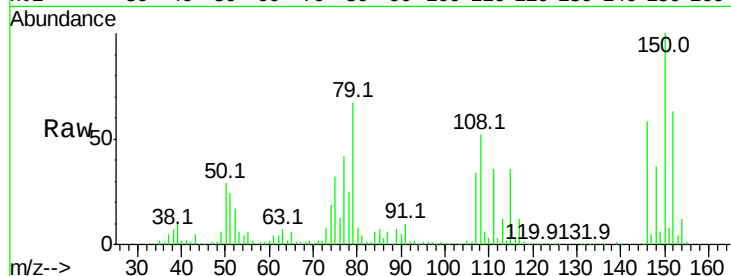
#15  
Benzyl Alcohol  
Concen: 56.35 ng  
RT: 6.86 min Scan# 418  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 77.3  | 69.0  | 103.4 |
| 77      | 63.4  | 50.0  | 75.0  |

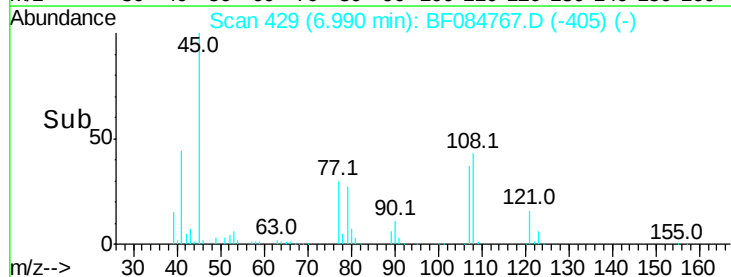
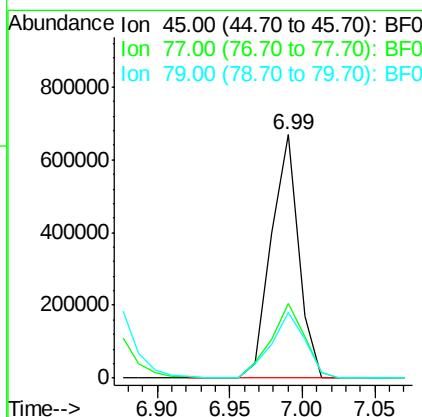
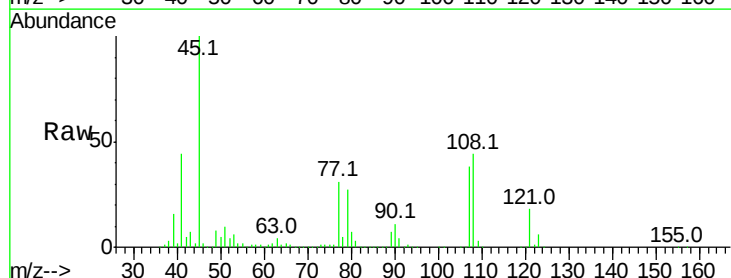
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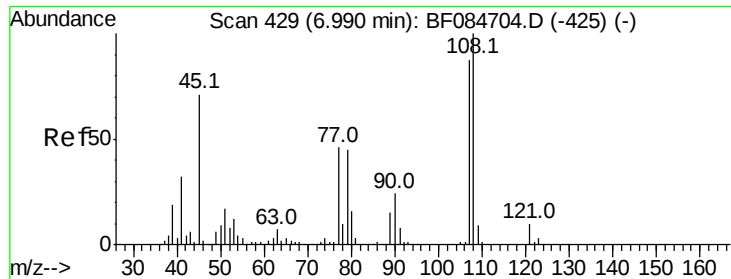
MMDadoda  
2/3/2016 6:25:45 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.22 ng  
RT: 6.99 min Scan# 429  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 30.6  | 0.0   | 39.6  |
| 79      | 27.2  | 0.0   | 35.0  |





#17

2-Methylphenol

Concen: 46.40 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:107 Resp: 485506  
Ion Ratio Lower Upper

107 100

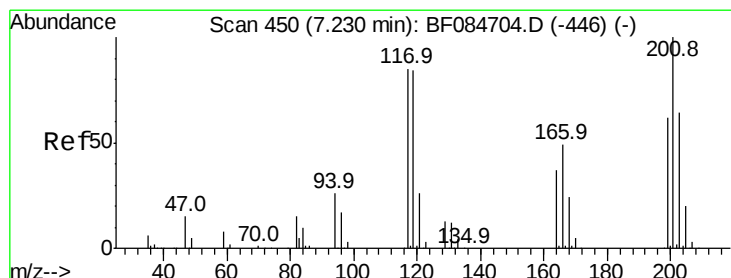
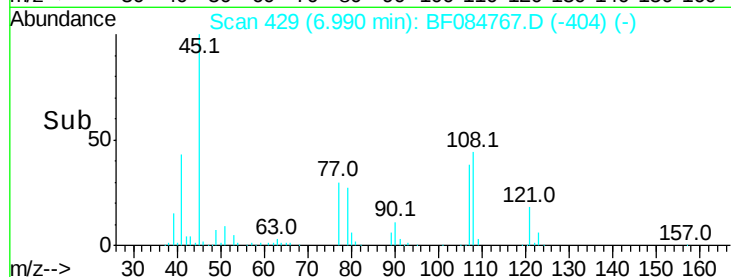
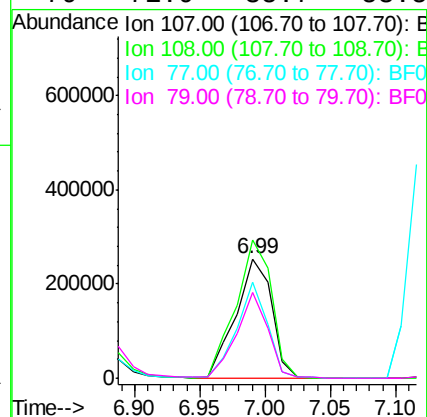
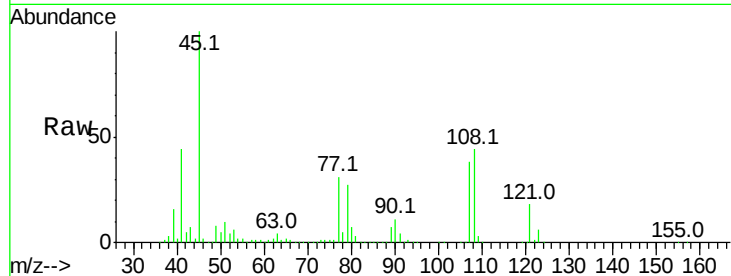
108 116.4 89.8 134.6

77 80.8 35.7 53.5#

79 71.9 35.7 53.5#

Manual Integrations  
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2/3/2016 6:25:45 PM



#18

Hexachloroethane

Concen: 42.95 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.03 min

Lab File: BF084767.D

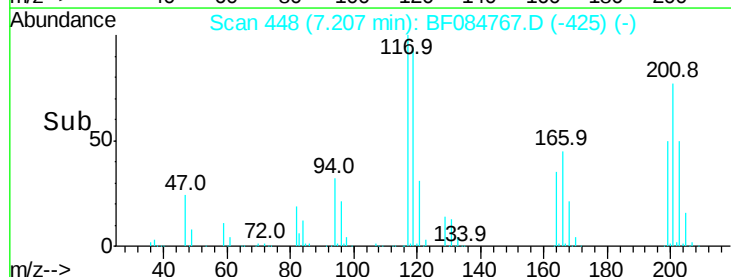
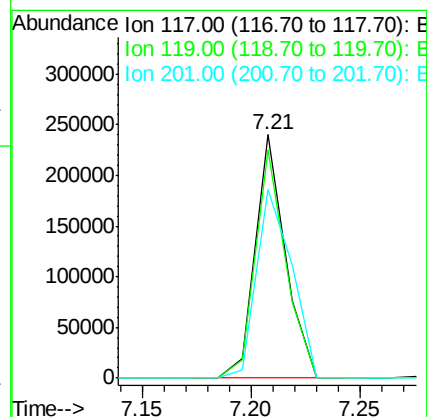
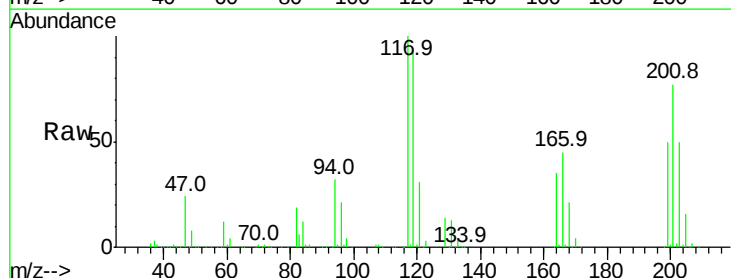
Acq: 3 Feb 2016 2:31

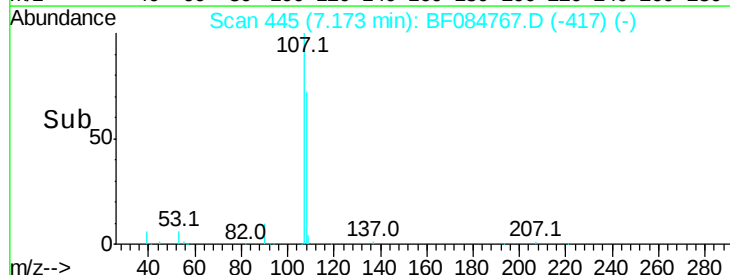
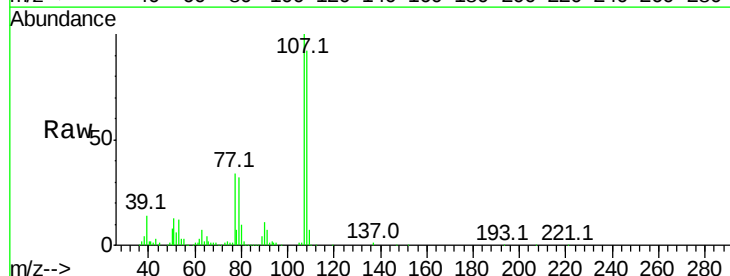
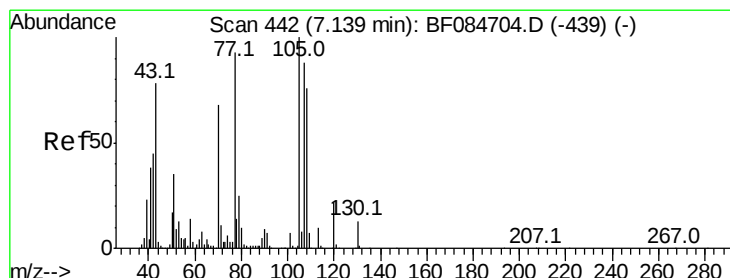
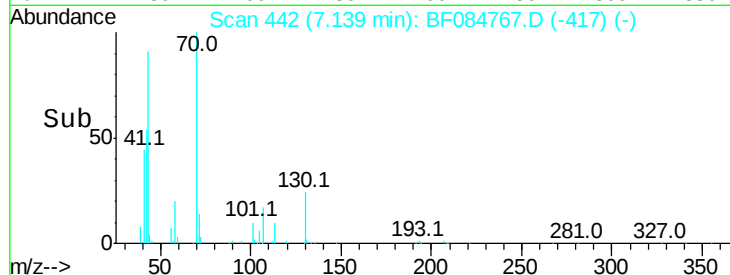
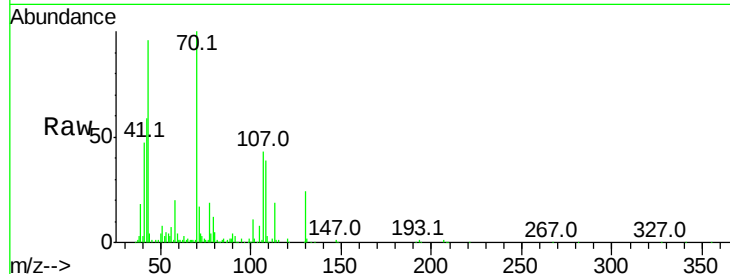
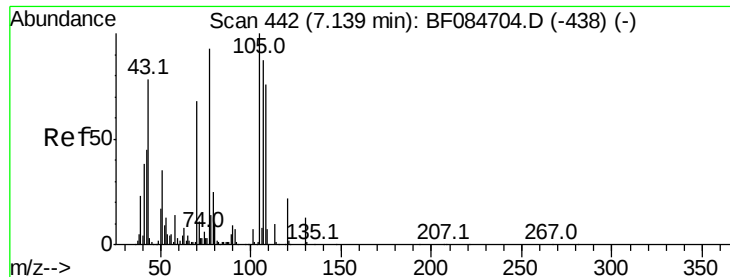
Tgt Ion:117 Resp: 231142  
Ion Ratio Lower Upper

117 100

119 93.8 77.4 116.0

201 77.3 68.6 103.0





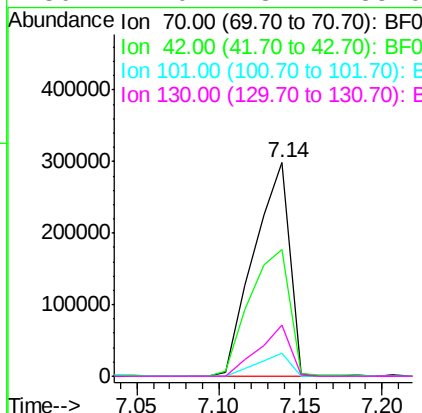
#19  
n-Nitroso-di-n-propylamine  
Concen: 49.83 ng  
RT: 7.14 min Scan# 442  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 452565 |       |       |
| 42      | 59.4 | 33.3  | 49.9#  |       |       |
| 101     | 10.7 | 9.3   | 13.9   |       |       |
| 130     | 24.0 | 23.4  | 35.0   |       |       |

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

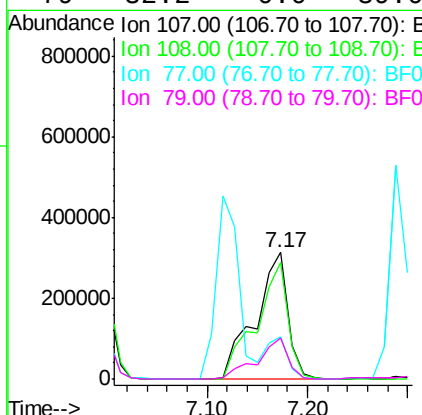
Manual Integrations  
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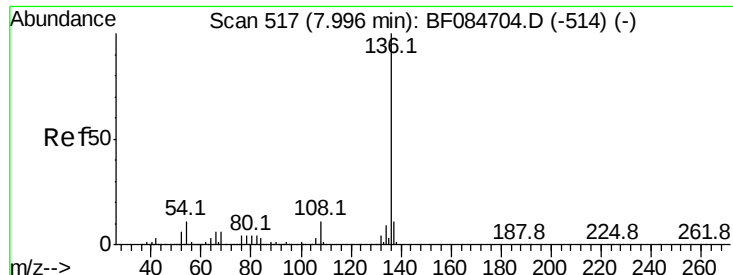
MMDadoda  
2/3/2016 6:25:45 PM



#20  
3+4-Methylphenols  
Concen: 54.12 ng  
RT: 7.17 min Scan# 445  
Delta R.T. 0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 702902 |       |       |
| 108     | 92.2 | 74.6  | 114.6  |       |       |
| 77      | 33.9 | 0.7   | 40.7   |       |       |
| 79      | 32.2 | 0.0   | 39.0   |       |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

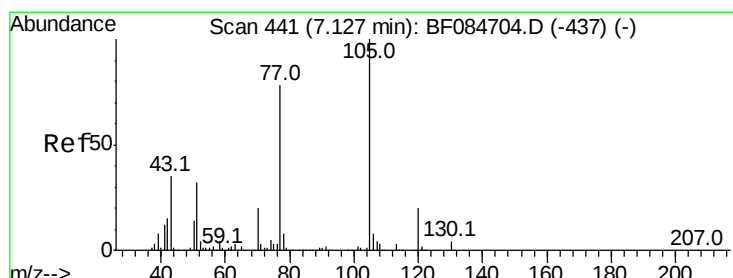
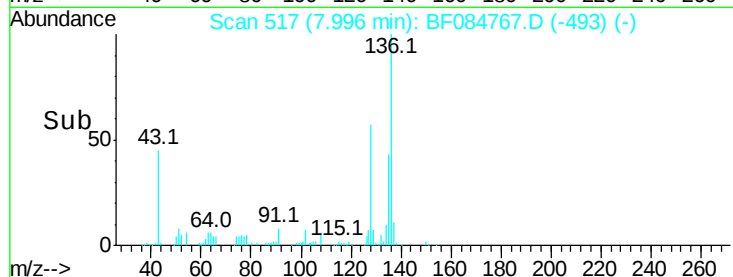
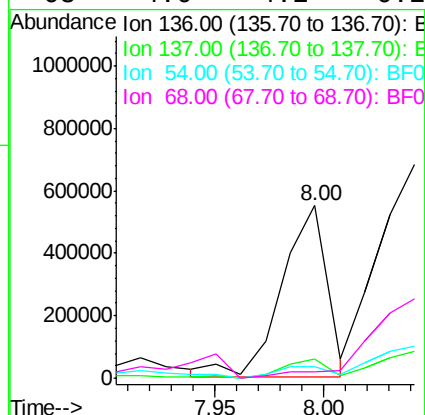
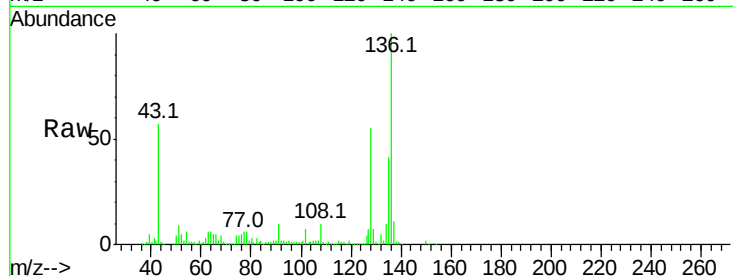
ClientSampleId :

SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 807610 |       |       |
| 137     | 10.9  | 8.7    | 13.1  |       |
| 54      | 6.5   | 5.8    | 8.8   |       |
| 68      | 4.0   | 4.2    | 6.2   |       |

Manual Integrations  
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2/3/2016 6:25:45 PM



#22

Acetophenone

Concen: 40.83 ng

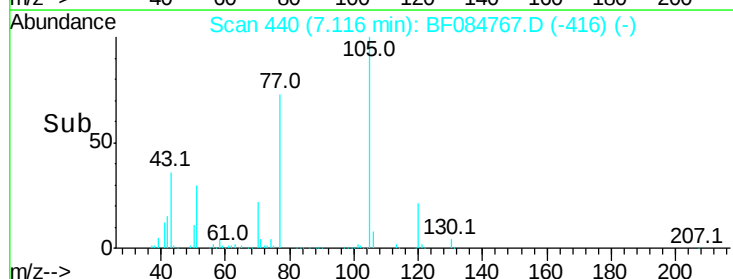
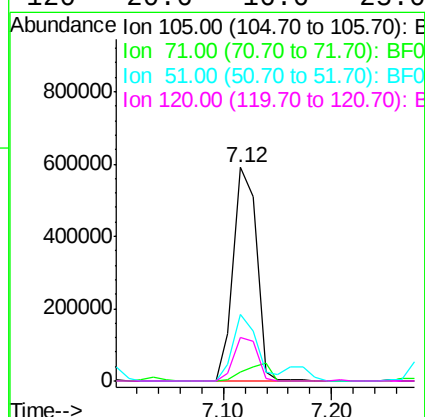
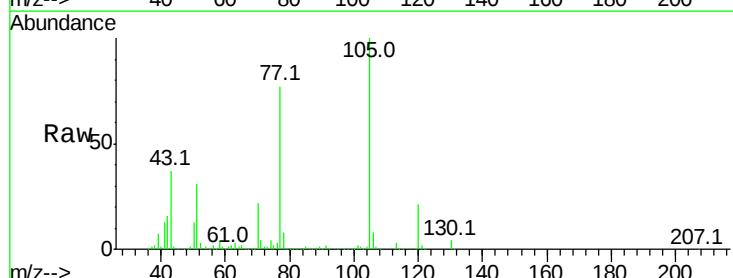
RT: 7.12 min Scan# 440

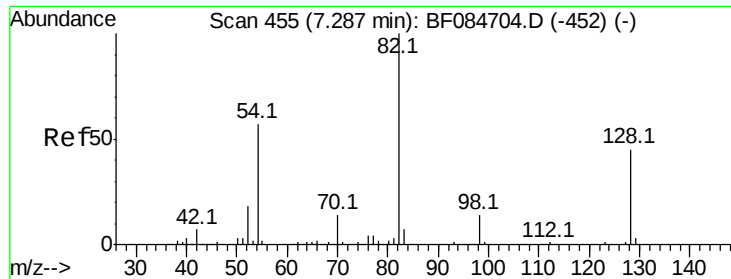
Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 869021 |       |       |
| 71      | 4.0   | 3.7    | 5.5   |       |
| 51      | 31.1  | 25.1   | 37.7  |       |
| 120     | 20.6  | 16.6   | 25.0  |       |





#23

Nitrobenzene-d5

Concen: 88.14 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion: 82 Resp: 1263675

Ion Ratio Lower Upper

82 100

128 44.7 34.6 51.8

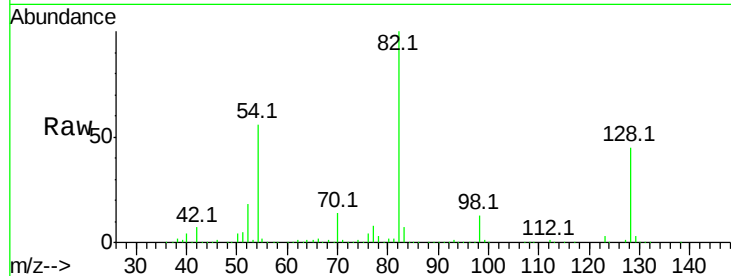
54 55.8 38.4 57.6

Manual Integrations

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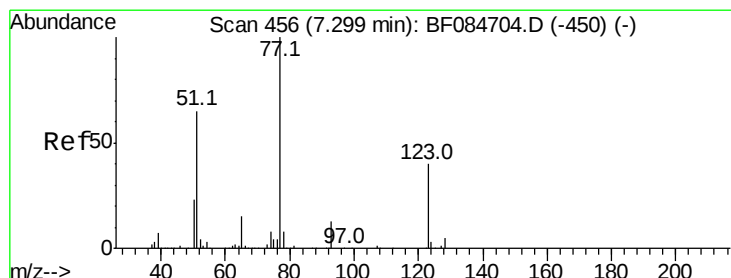
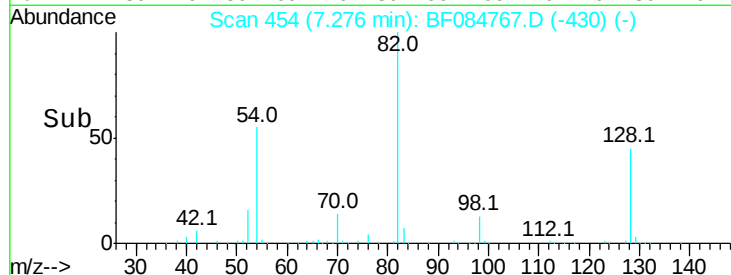
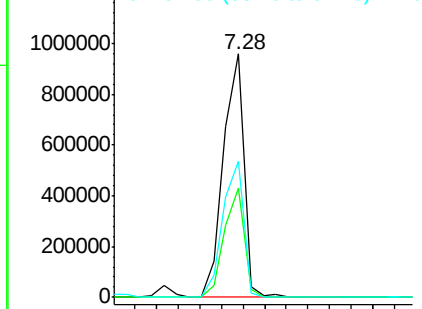
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 39.57 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

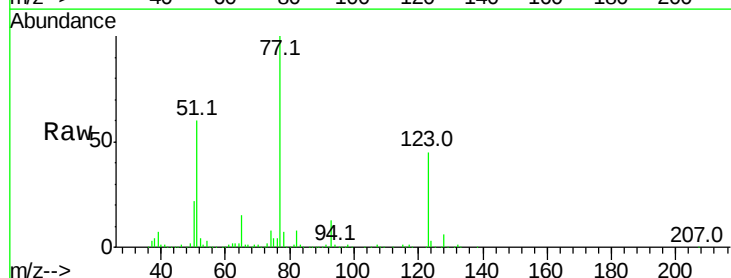
Tgt Ion: 77 Resp: 607528

Ion Ratio Lower Upper

77 100

123 44.7 37.4 56.2

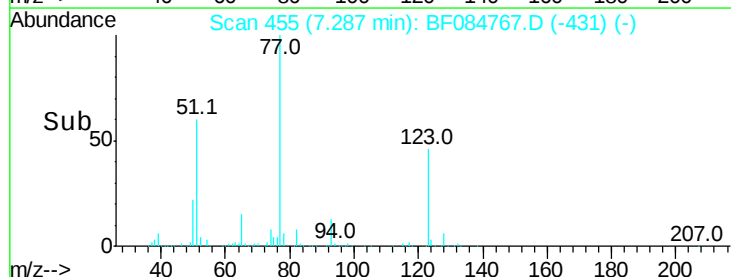
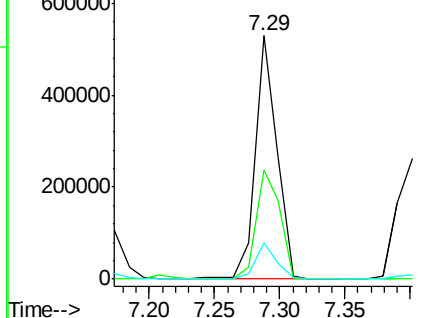
65 15.0 10.9 16.3

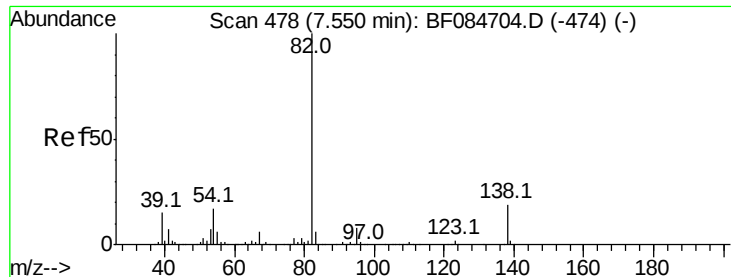


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.52 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion: 82 Resp: 1352512

Ion Ratio Lower Upper

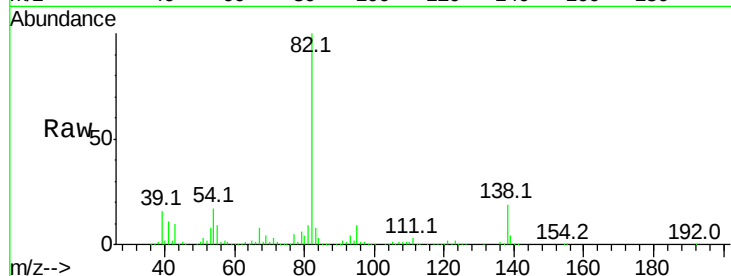
82 100

95 9.2 6.6 10.0

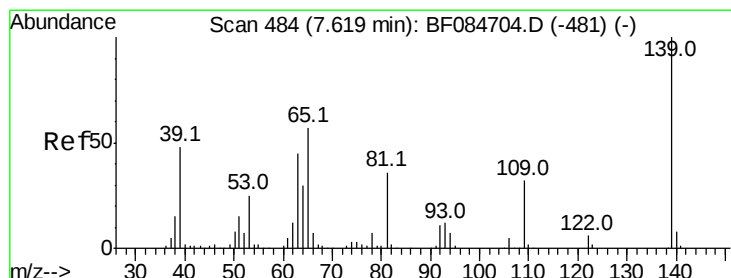
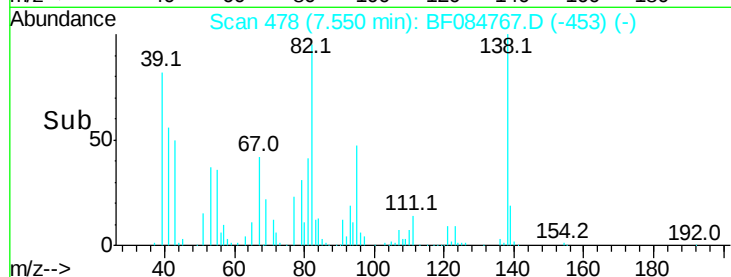
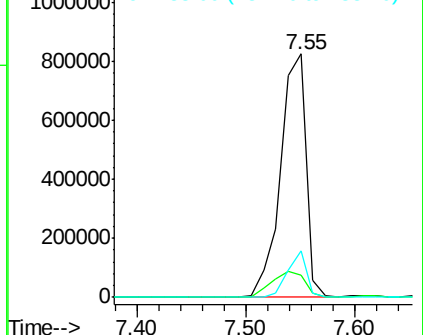
138 19.3 13.6 20.4

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Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 40.84 ng

RT: 7.61 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

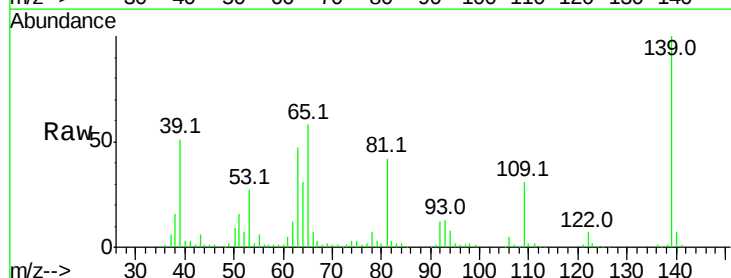
Tgt Ion: 139 Resp: 309207

Ion Ratio Lower Upper

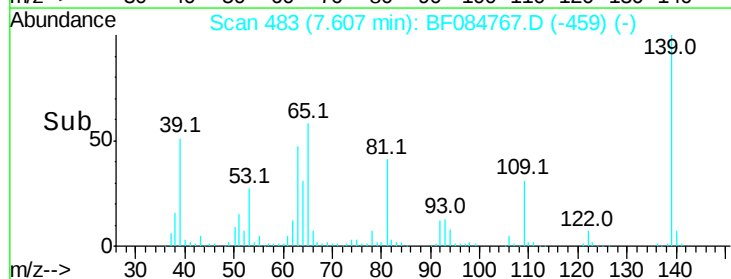
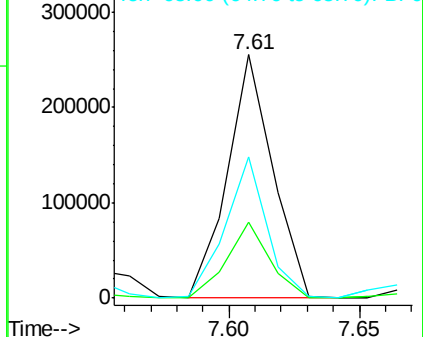
139 100

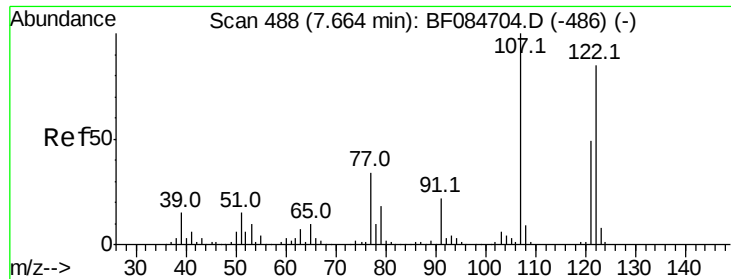
109 31.0 25.4 38.2

65 58.2 32.3 48.5#



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 43.65 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

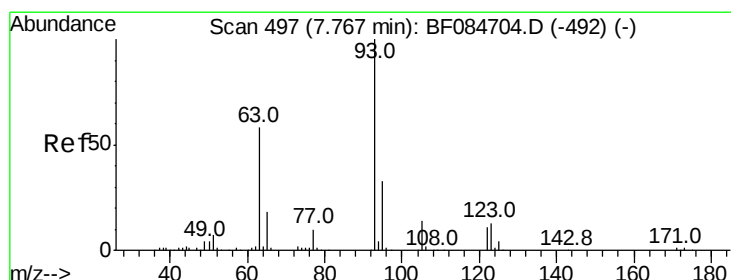
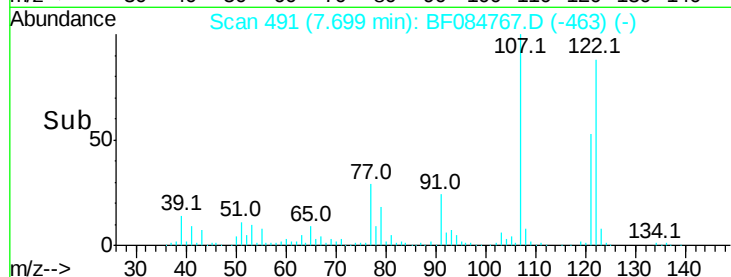
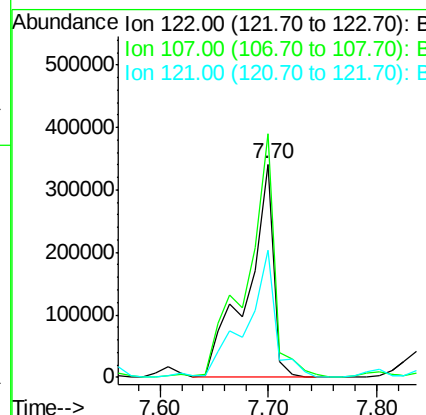
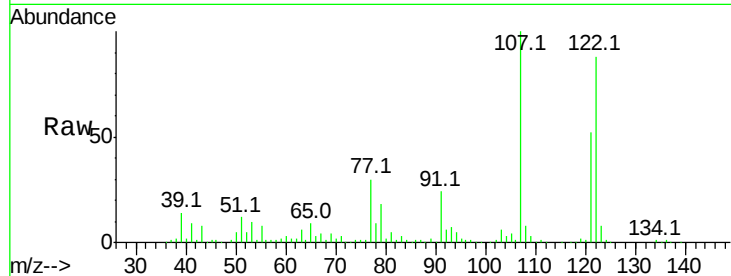
ClientSampleId :

SUP-B012(10-12.5)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 574871 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 114.1 | 99.1  | 148.7  |
| 121       | 59.9  | 47.9  | 71.9   |

Manual Integrations  
APPROVED

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#28

bis(2-Chloroethoxy)methane

Concen: 54.82 ng

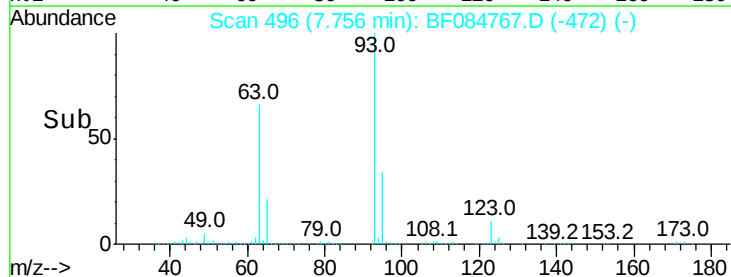
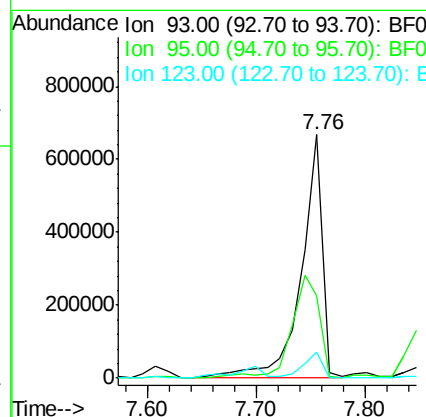
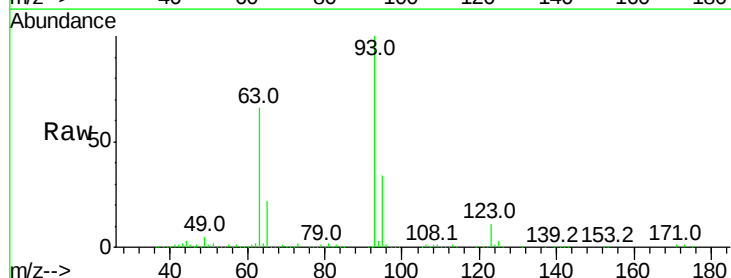
RT: 7.76 min Scan# 496

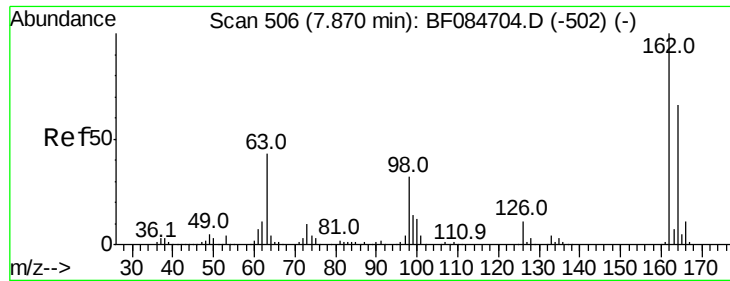
Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 906692 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.8  | 25.8  | 38.6   |
| 123       | 10.9  | 8.6   | 12.8   |





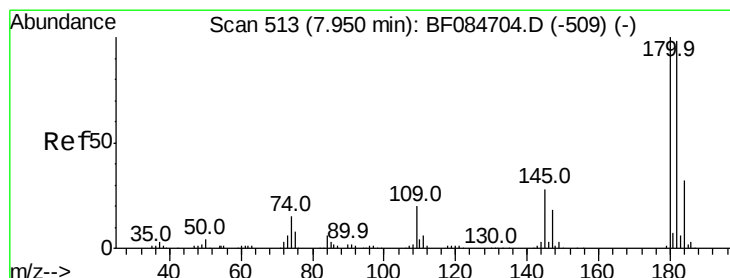
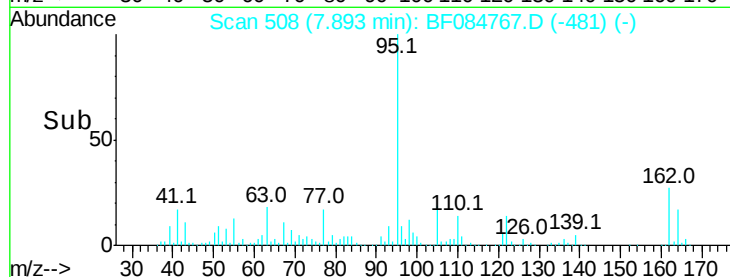
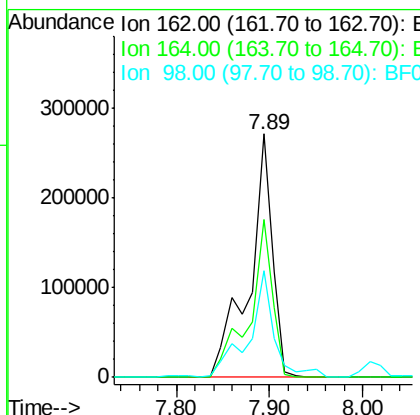
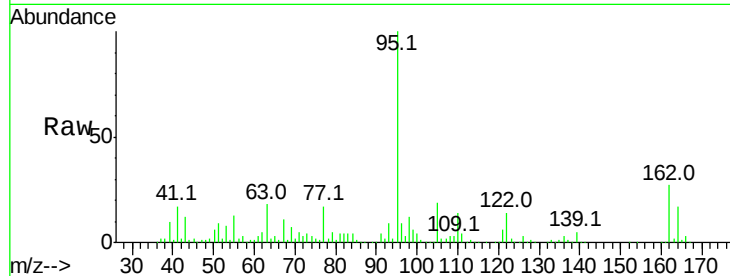
#29  
 2,4-Dichlorophenol  
 Concen: 41.72 ng  
 RT: 7.89 min Scan# 508  
 Delta R.T. 0.01 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 64.8  | 44.1       | 84.1       |
| 98      | 43.7  | 20.2       | 60.2       |

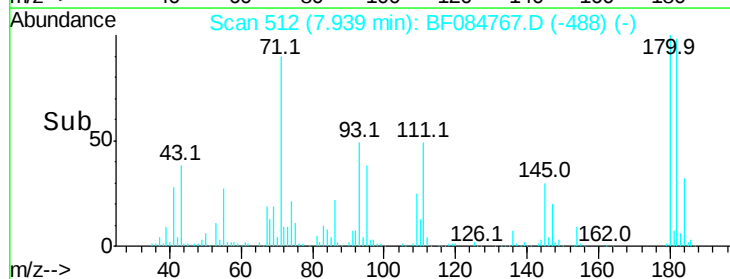
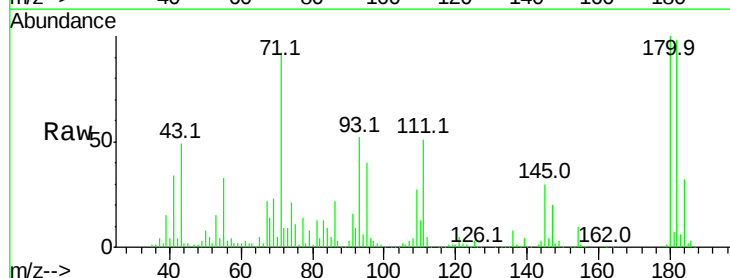
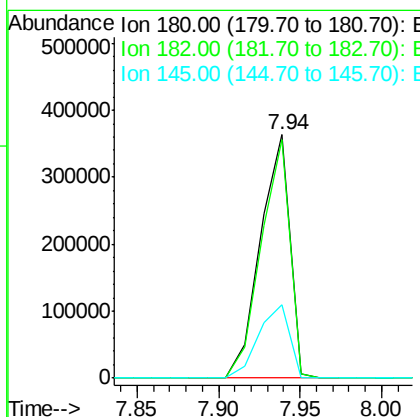
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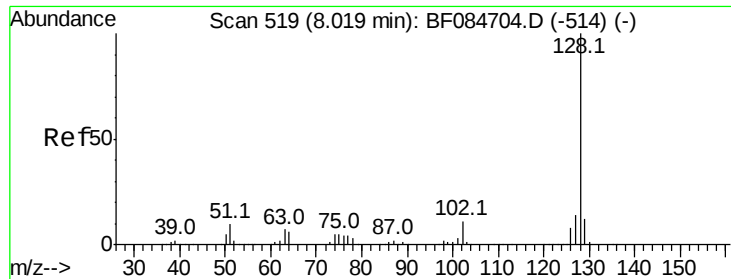
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 35.89 ng  
 RT: 7.94 min Scan# 512  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 98.0  | 76.4       | 114.6      |
| 145     | 30.2  | 31.6       | 47.4#      |





#31

Naphthalene

Concen: 38.31 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:128 Resp: 1551768

Ion Ratio Lower Upper

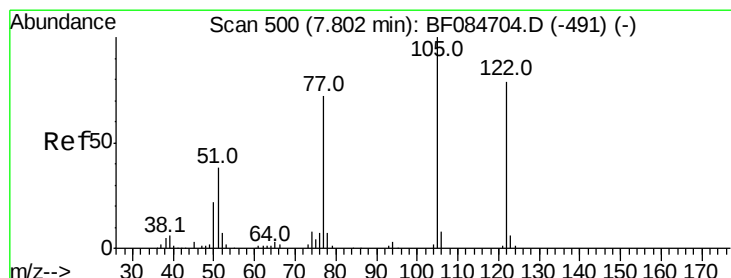
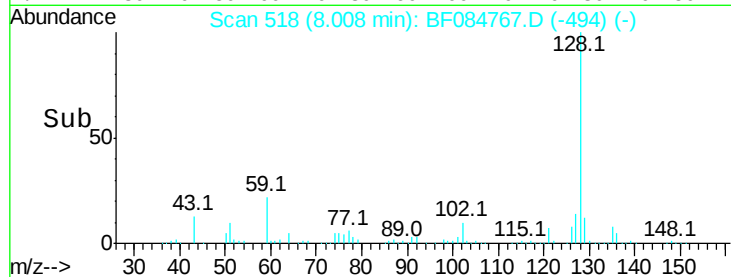
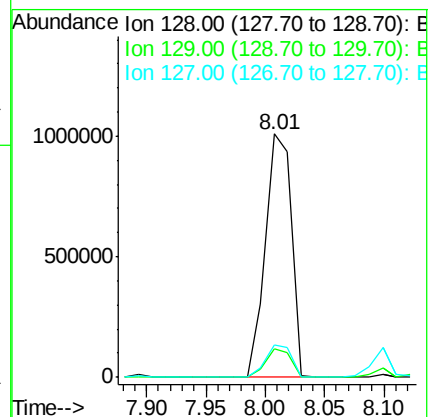
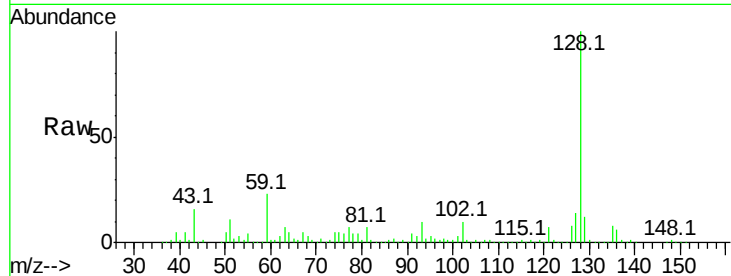
128 100

129 11.9 9.1 13.7

127 13.5 11.1 16.7

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#32

Benzoic acid

Concen: 55.04 ng m

RT: 7.89 min Scan# 508

Delta R.T. 0.08 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

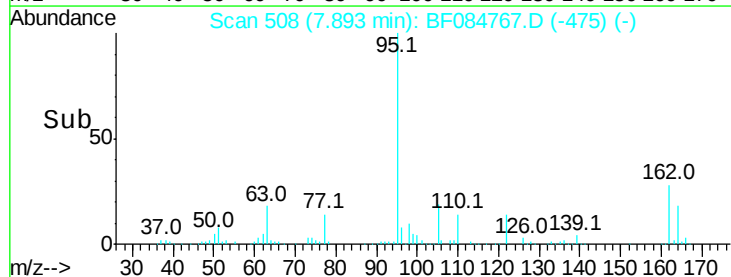
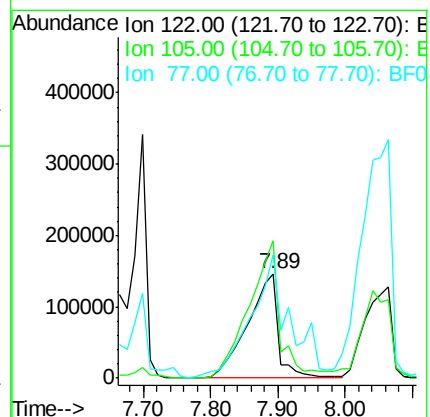
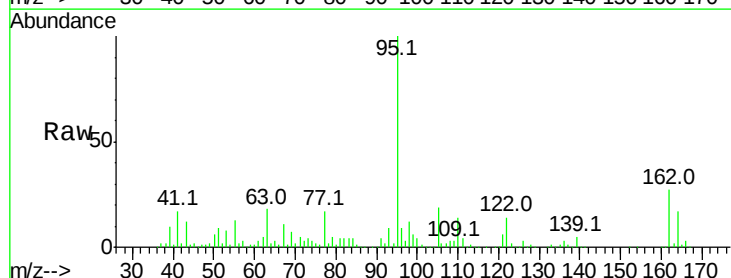
Tgt Ion:122 Resp: 463637

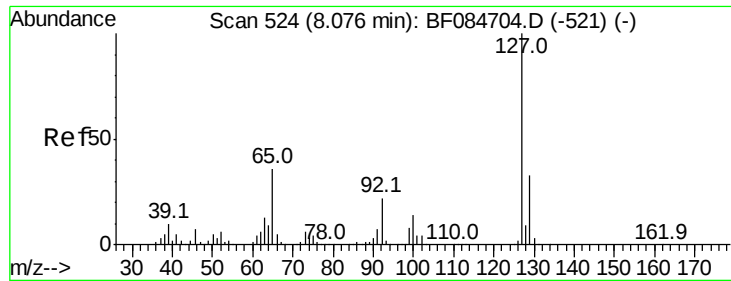
Ion Ratio Lower Upper

122 100

105 131.6 100.3 140.3

77 118.1 63.5 103.5#





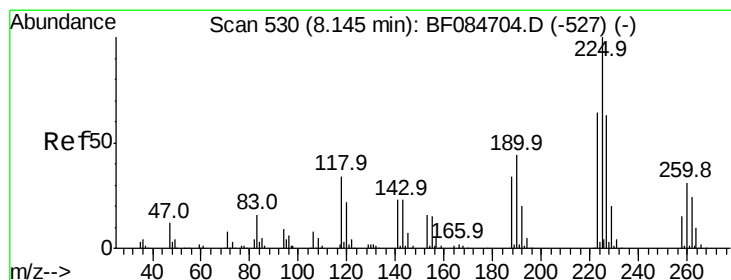
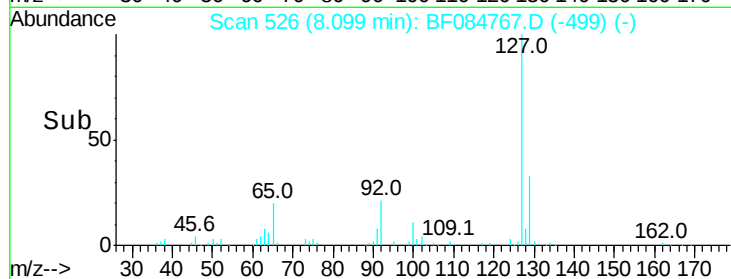
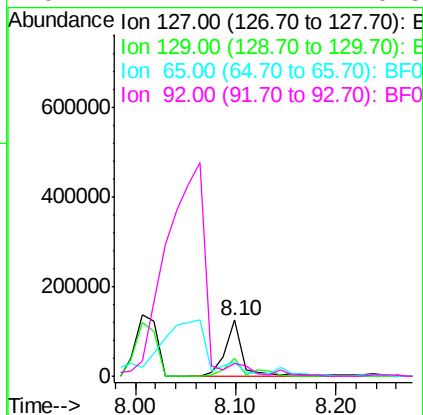
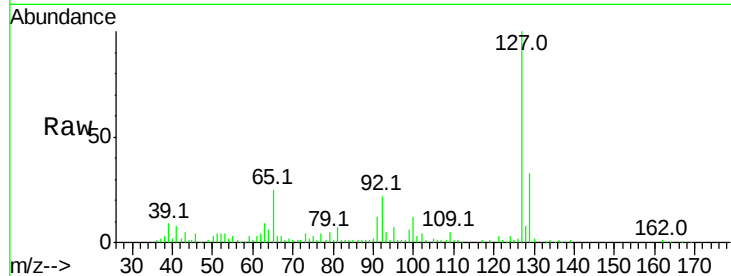
#33  
4-Chloroaniline  
Concen: 8.96 ng  
RT: 8.10 min Scan# 526  
Delta R.T. 0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 127     | 100   |            |       |
| 129     | 32.7  | 26.5       | 39.7  |
| 65      | 24.6  | 27.2       | 40.8  |
| 92      | 22.4  | 17.7       | 26.5  |

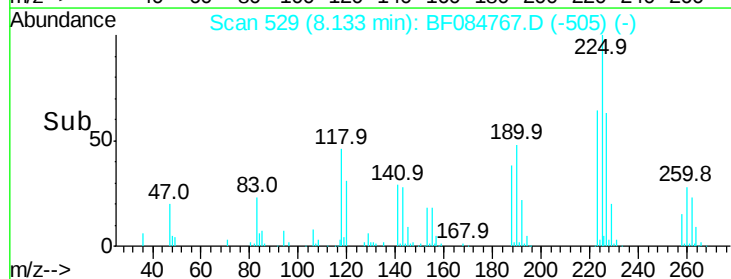
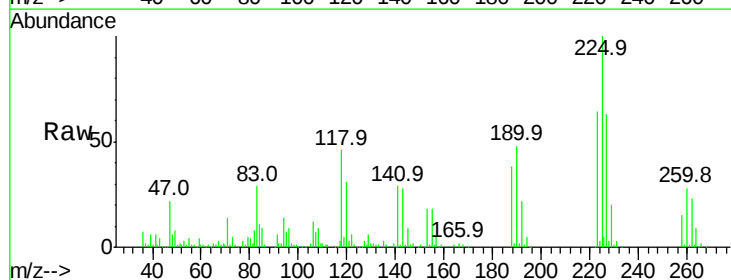
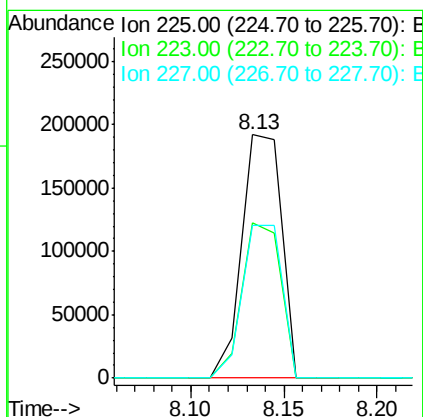
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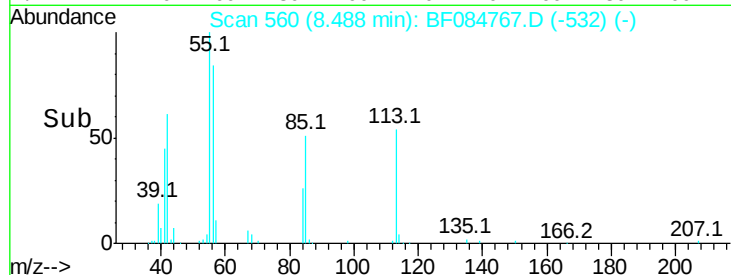
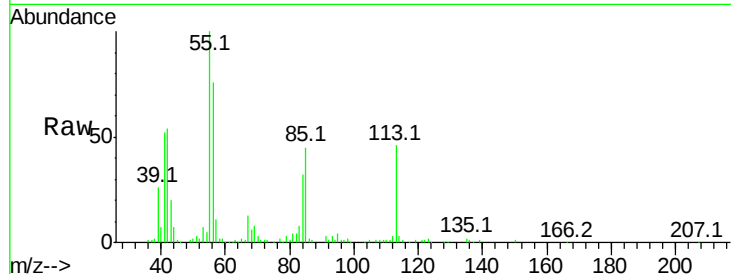
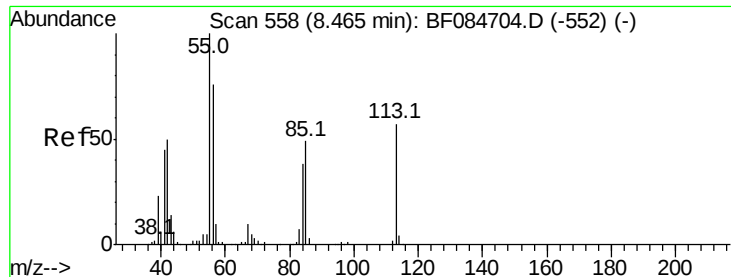
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#34  
Hexachlorobutadiene  
Concen: 38.59 ng  
RT: 8.13 min Scan# 529  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 225     | 100   |            |       |
| 223     | 63.9  | 49.4       | 74.0  |
| 227     | 63.0  | 50.8       | 76.2  |





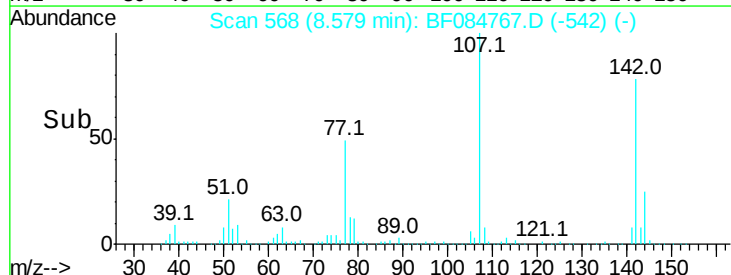
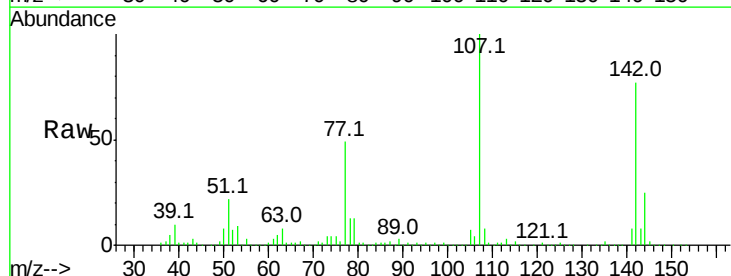
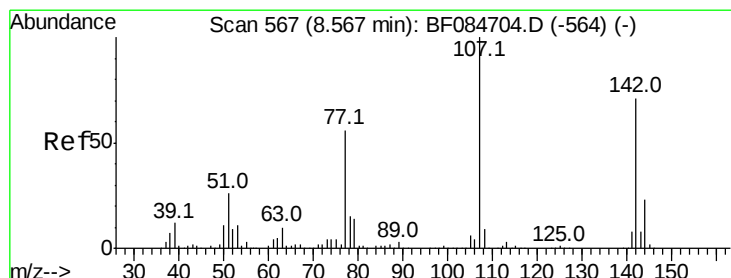
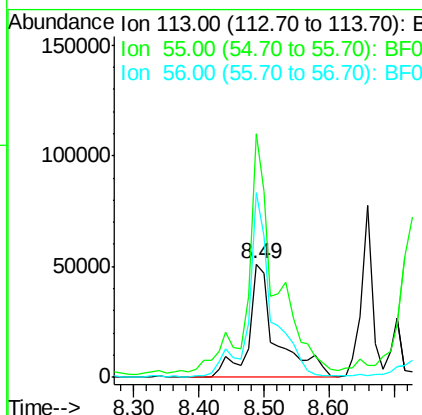
#35  
Caprolactam  
Concen: 43.69 ng  
RT: 8.49 min Scan# 560  
Delta R.T. 0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tot Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 113     | 100   |       |        |       |
| 55      | 215.3 | 116.9 | 156.9# |       |
| 56      | 162.8 | 93.8  | 133.8# |       |

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

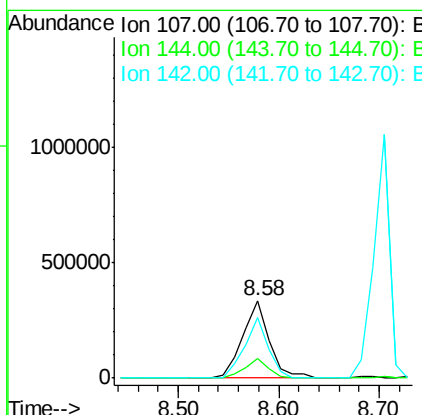
Manual Integrations  
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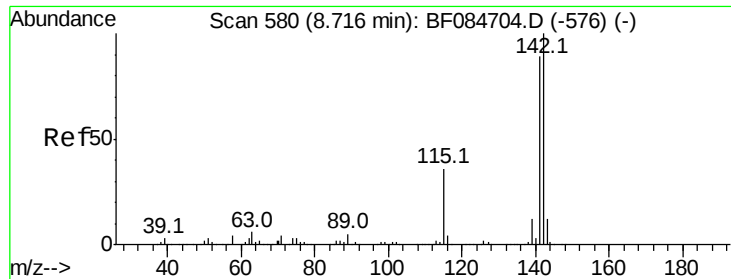
MMDadoda  
2/3/2016 6:25:45 PM



#36  
4-Chloro-3-methylphenol  
Concen: 47.41 ng  
RT: 8.58 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 144     | 25.1  | 19.7 | 29.5  |       |
| 142     | 77.4  | 61.8 | 92.6  |       |





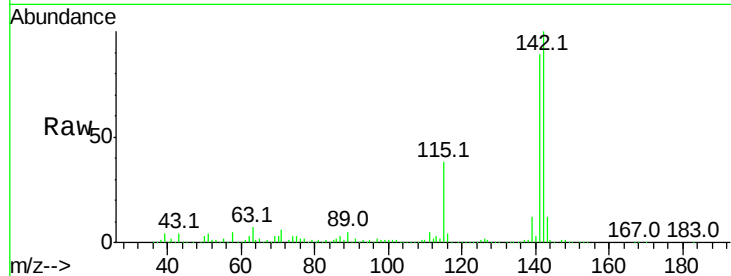
#37  
2-Methylnaphthalene  
Concen: 45.24 ng  
RT: 8.70 min Scan# 579  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

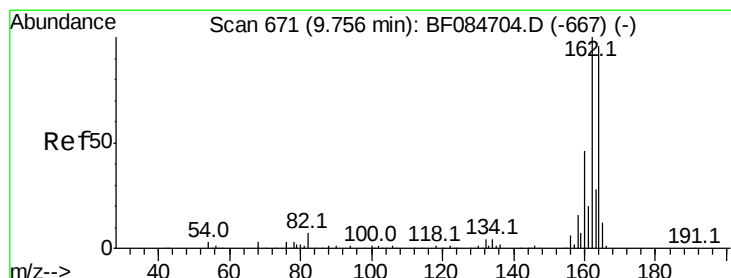
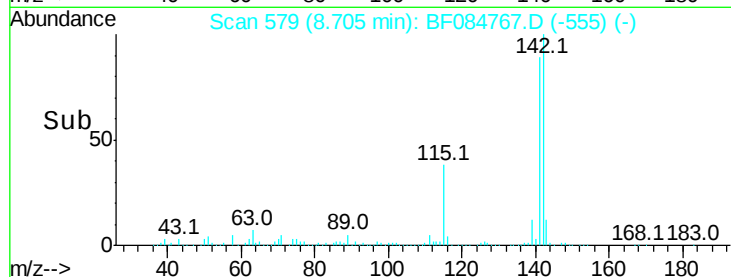
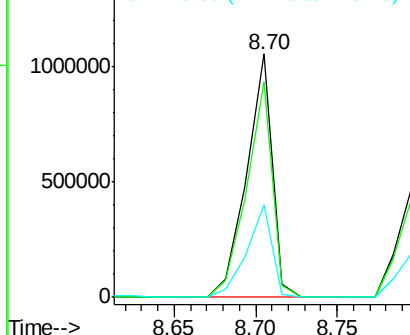
Tot Ion:142 Resp: 1147113  
Ion Ratio Lower Upper  
142 100  
141 88.6 72.4 108.6  
115 37.9 27.9 41.9

Manual Integrations  
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2/3/2016 6:25:45 PM



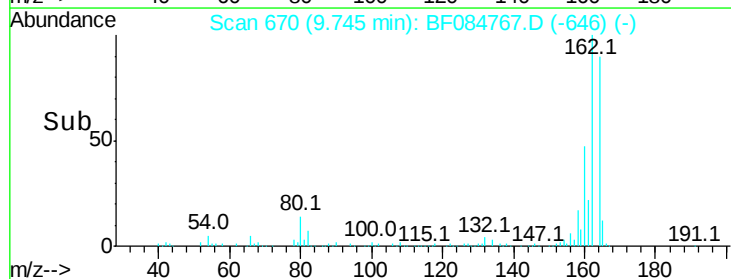
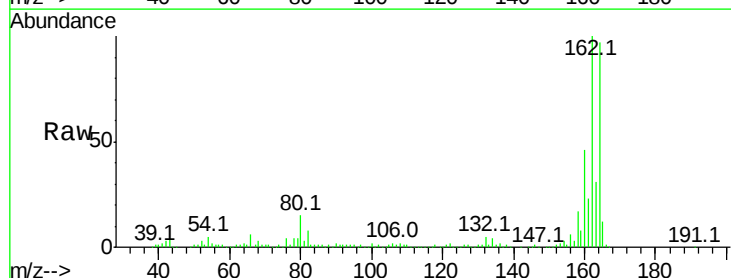
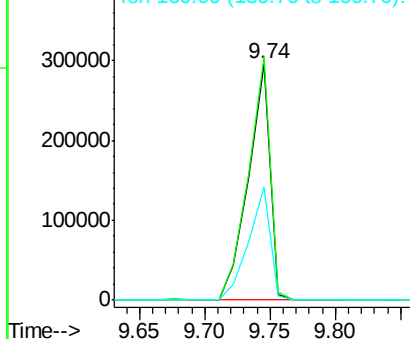
Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

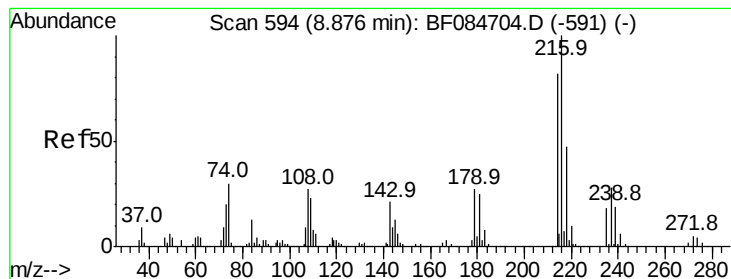


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.74 min Scan# 670  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Tgt Ion:164 Resp: 343215  
Ion Ratio Lower Upper  
164 100  
162 103.2 85.1 127.7  
160 47.9 37.5 56.3

Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.99 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

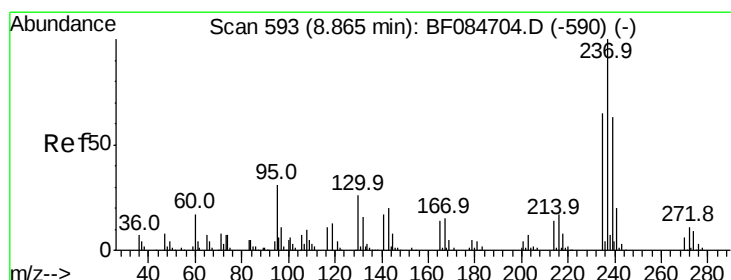
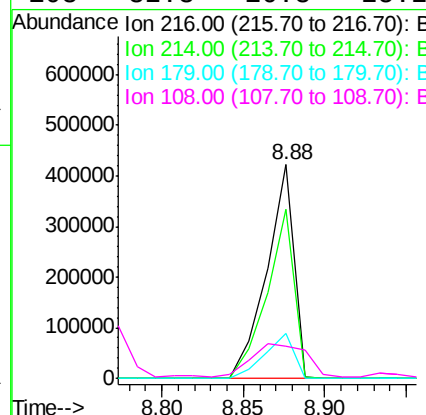
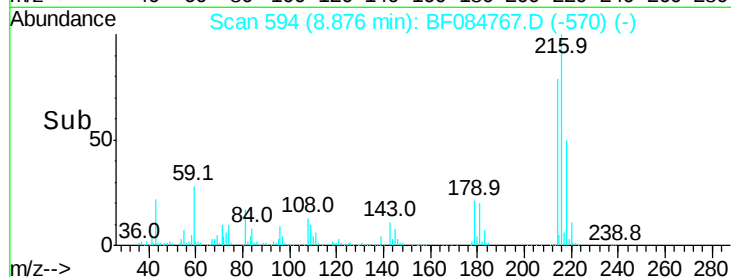
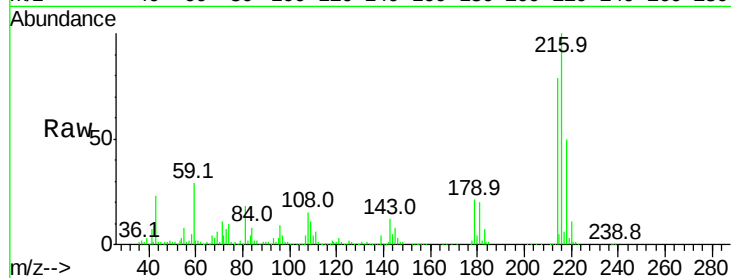
ClientSampleId :

SUP-B012(10-12.5)MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 216  | Resp: | 490391 |
| Ion Ratio |      | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 79.0 | 64.2  | 96.2   |
| 179       | 22.8 | 18.7  | 28.1   |
| 108       | 32.3 | 16.8  | 25.2   |

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#40

Hexachlorocyclopentadiene

Concen: 89.53 ng

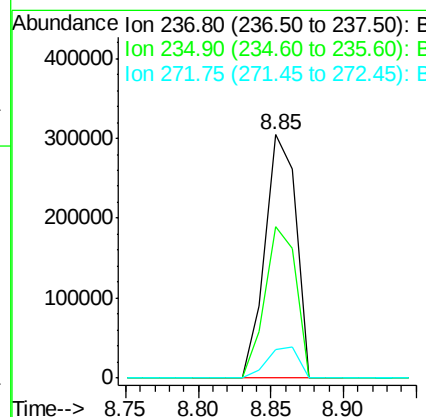
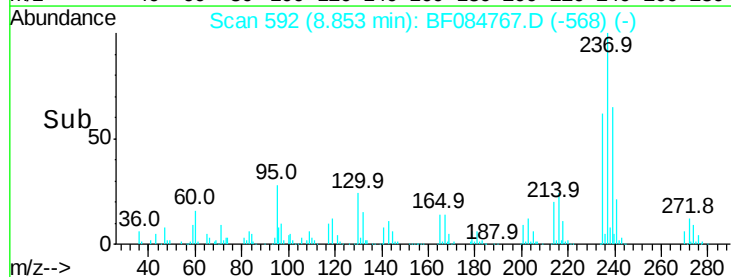
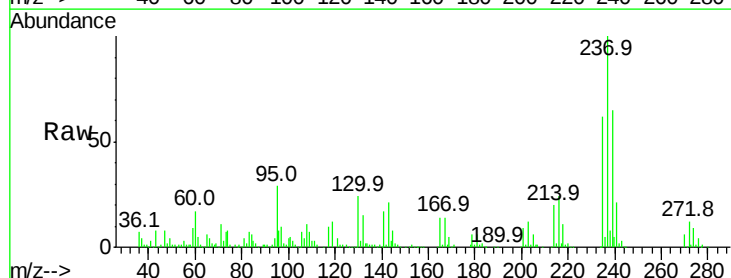
RT: 8.85 min Scan# 592

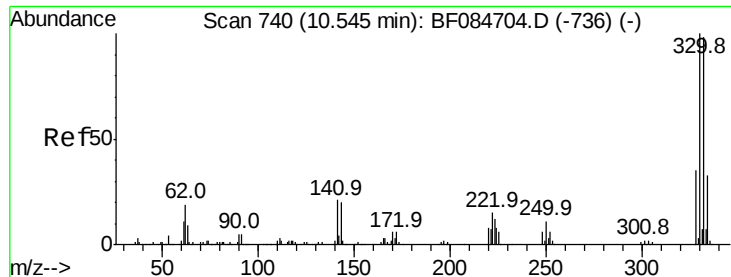
Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 237  | Resp: | 451768 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 62.4 | 43.1  | 83.1   |
| 272       | 11.8 | 0.0   | 35.1   |





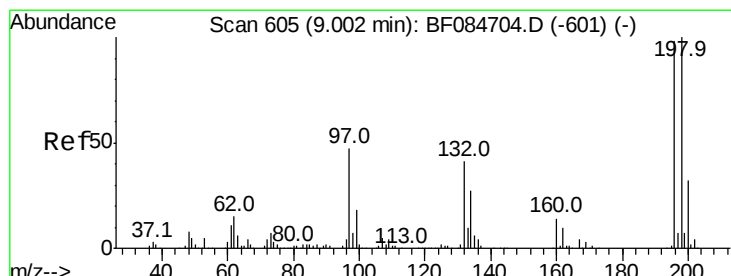
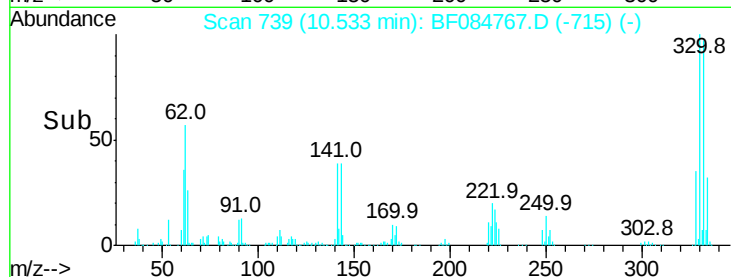
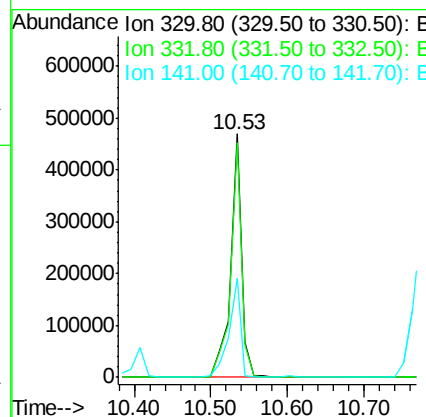
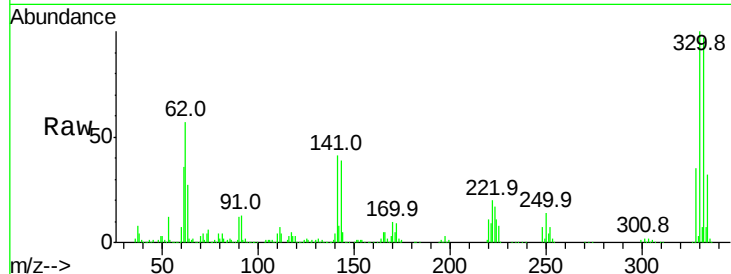
#41  
 2,4,6-Tribromophenol  
 Concen: 135.55 ng  
 RT: 10.53 min Scan# 739  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 114.8 |
| 141     | 42.5  | 27.8  | 41.6  |

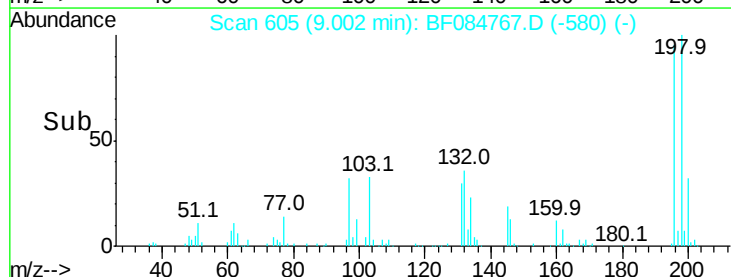
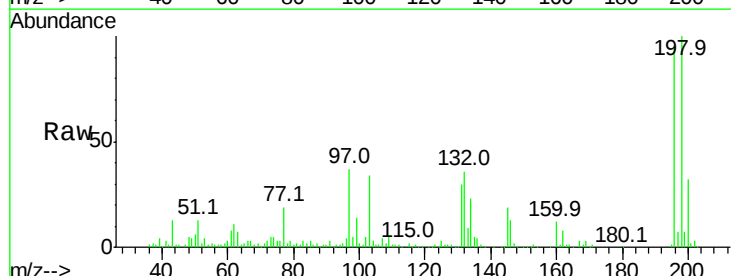
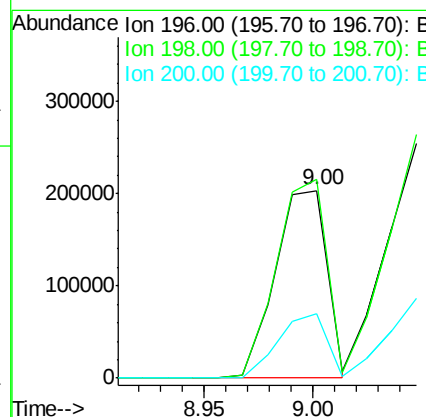
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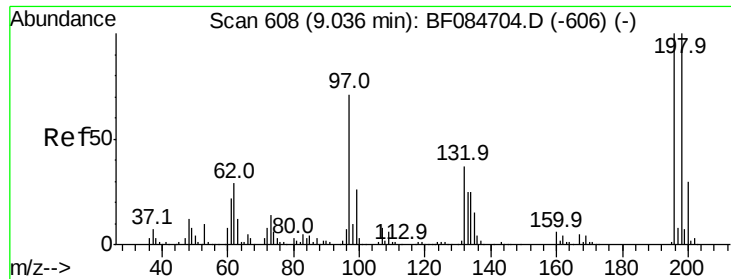
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#42  
 2,4,6-Trichlorophenol  
 Concen: 48.01 ng  
 RT: 9.00 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 105.7 | 77.7  | 116.5 |
| 200     | 34.3  | 24.6  | 37.0  |





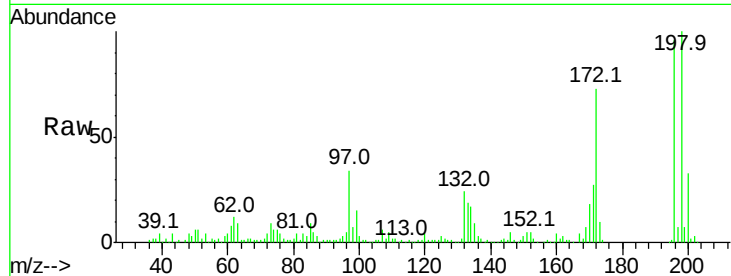
#43  
 2,4,5-Trichlorophenol  
 Concen: 47.79 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.00 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 341016 |       |       |
| 198     | 104.0 | 79.0   | 118.6 |       |
| 97      | 35.7  | 33.0   | 49.6  |       |
| 132     | 24.5  | 21.1   | 31.7  |       |

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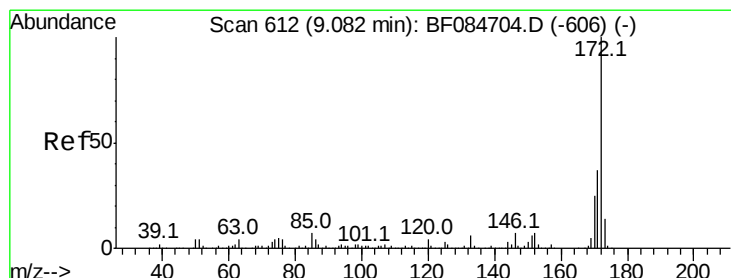
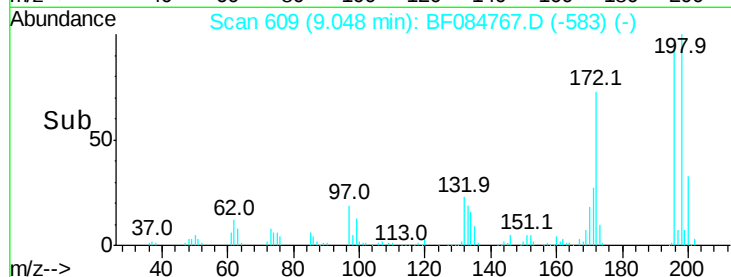
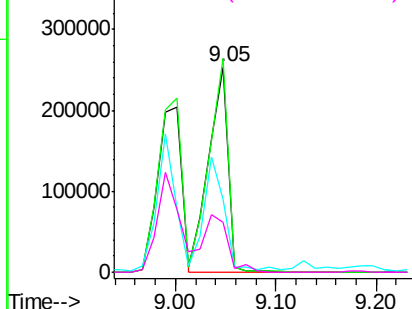
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 104.41 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

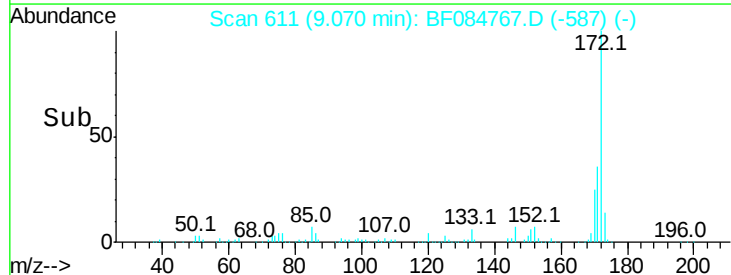
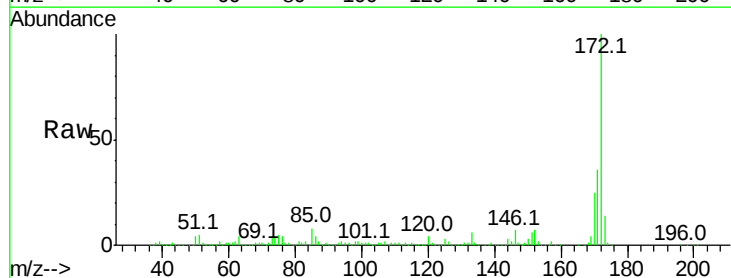
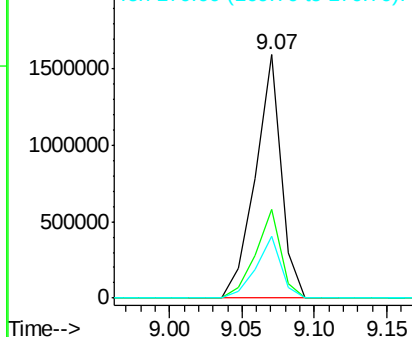
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1965281 |       |       |
| 171     | 36.4  | 28.9    | 43.3  |       |
| 170     | 25.2  | 18.6    | 27.8  |       |

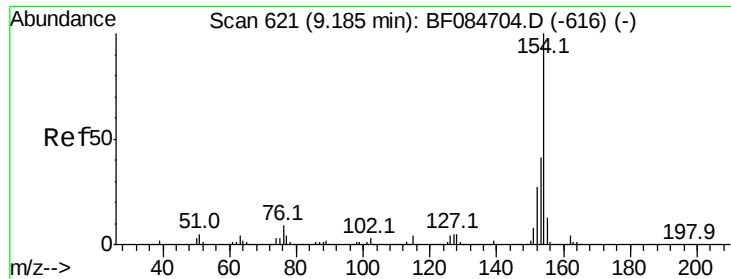
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 48.04 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:154 Resp: 1472615

Ion Ratio Lower Upper

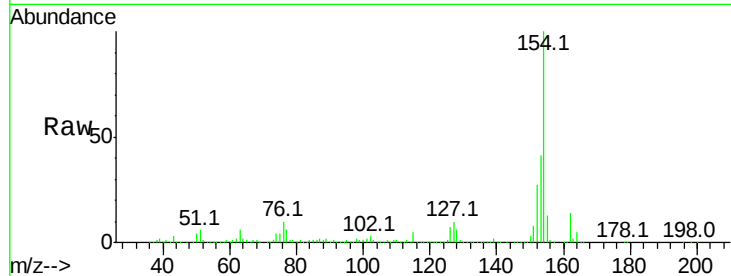
154 100

153 41.1 21.6 61.6

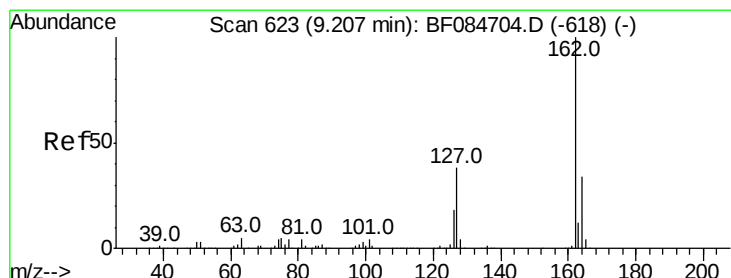
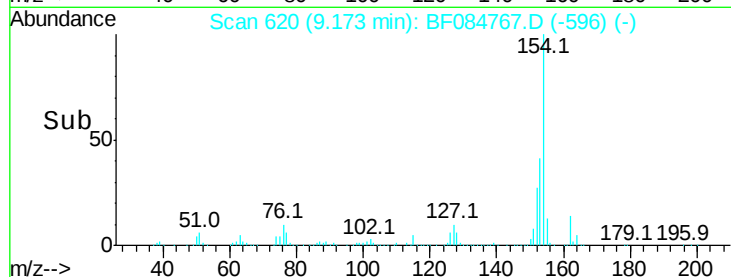
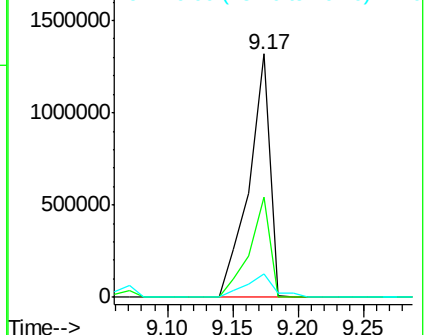
76 9.5 0.0 32.7

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 47.50 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

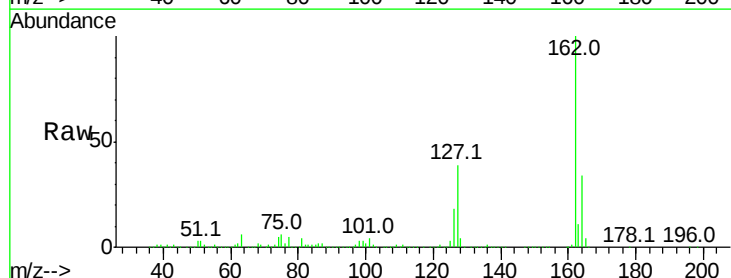
Tgt Ion:162 Resp: 1072315

Ion Ratio Lower Upper

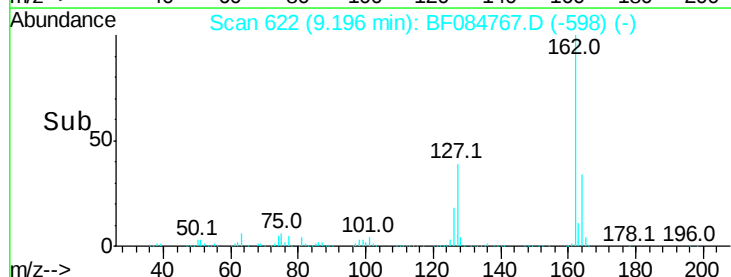
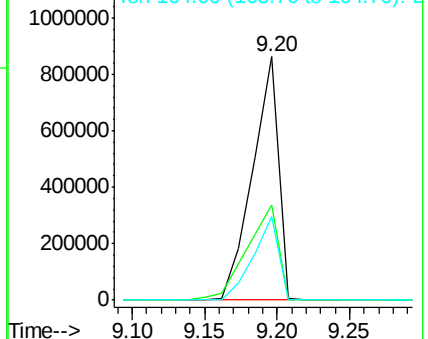
162 100

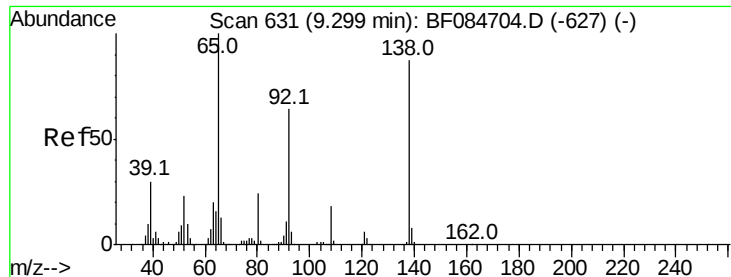
127 39.0 40.2 60.4#

164 34.3 25.7 38.5



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





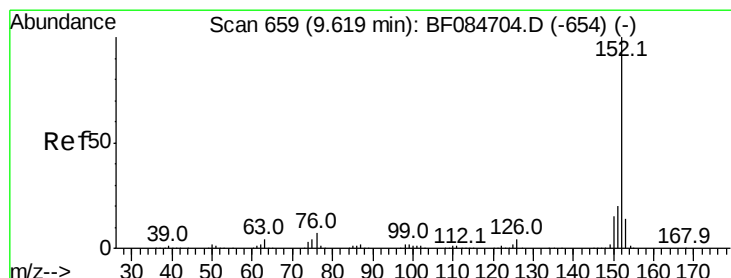
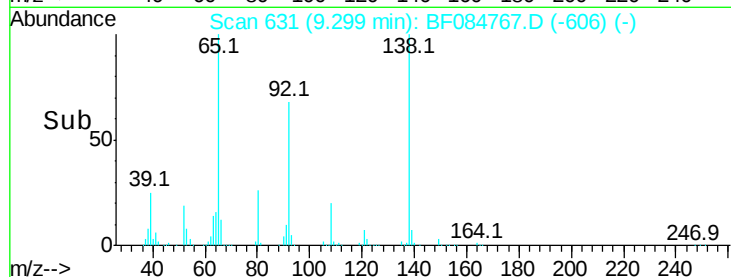
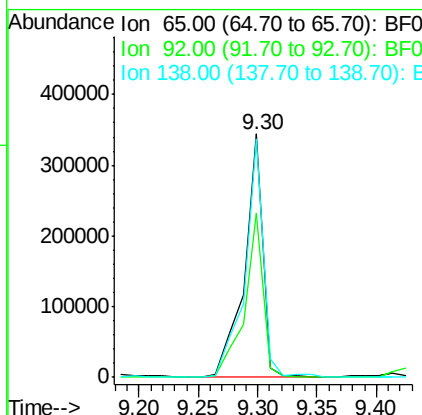
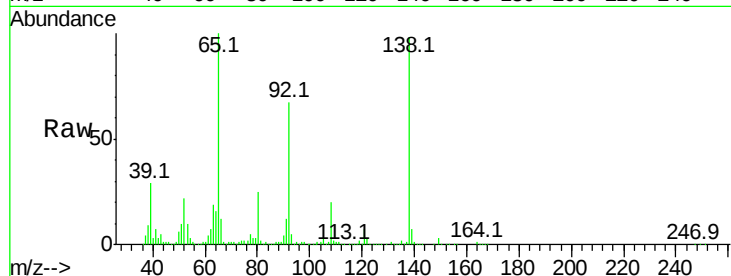
#47  
2-Nitroaniline  
Concen: 51.42 ng  
RT: 9.30 min Scan# 631  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.3  | 53.4  | 80.2  |
| 138     | 98.0  | 71.1  | 106.7 |

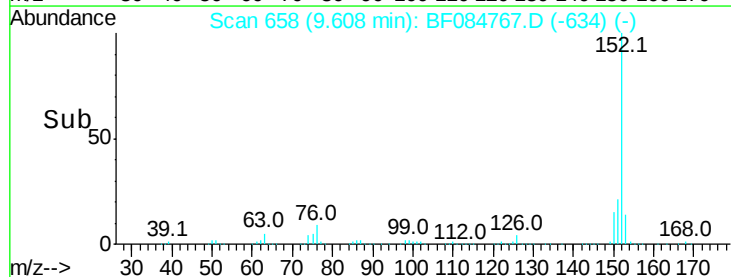
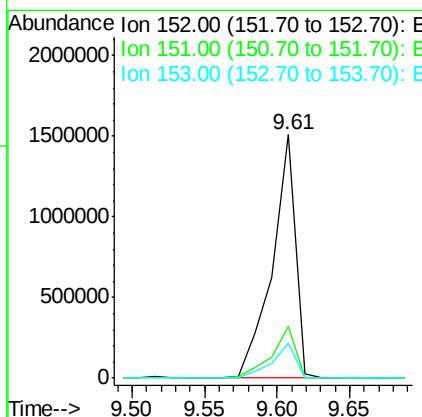
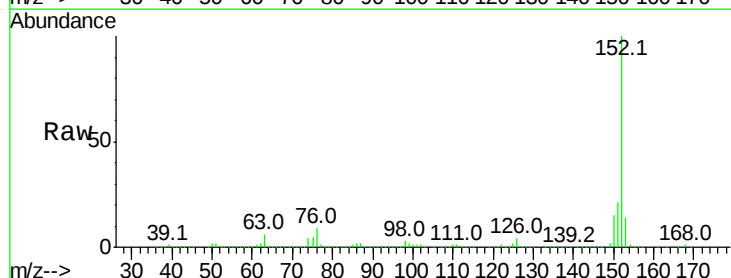
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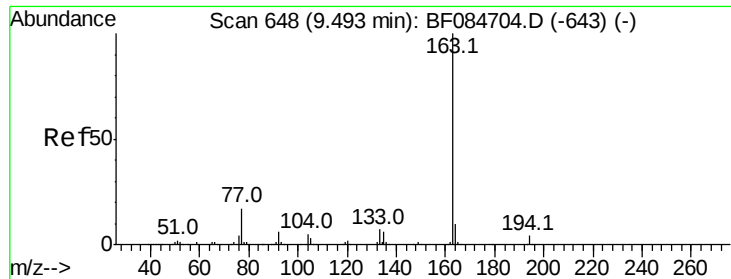
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#48  
Acenaphthylene  
Concen: 48.95 ng  
RT: 9.61 min Scan# 658  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.1  | 16.3  | 24.5  |
| 153     | 14.5  | 10.4  | 15.6  |





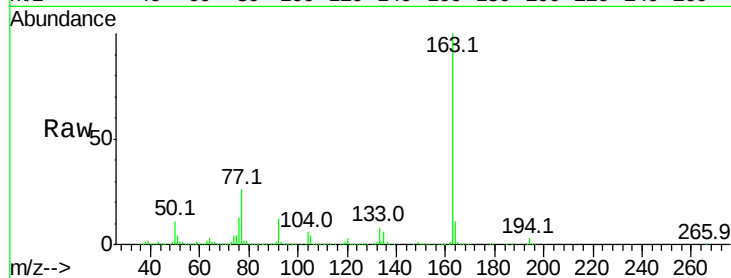
#49  
Dimethylphthalate  
Concen: 45.24 ng  
RT: 9.48 min Scan# 647  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

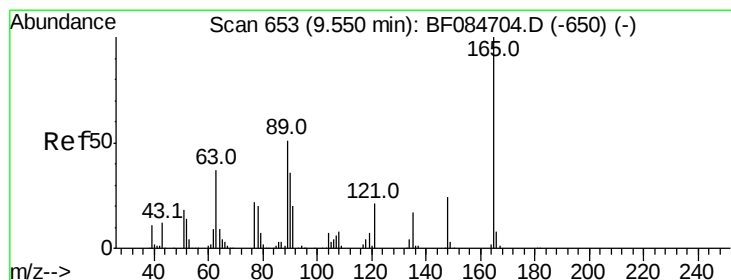
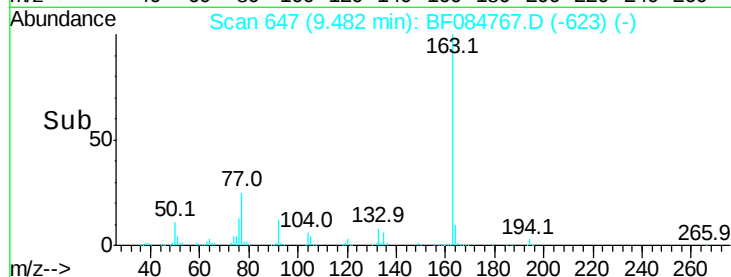
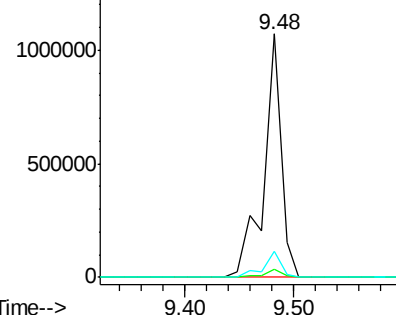
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.1   | 8.0   | 12.0# |
| 164     | 10.6  | 8.0   | 12.0  |

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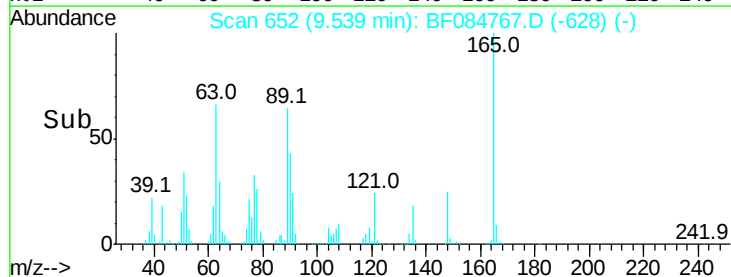
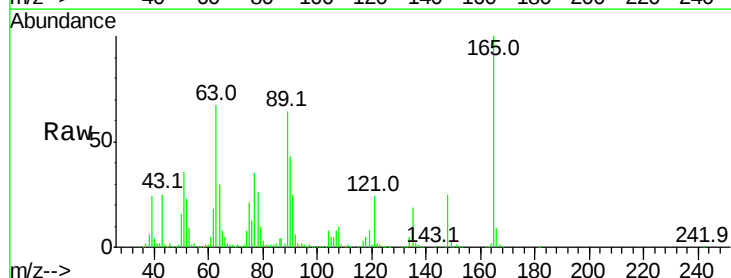
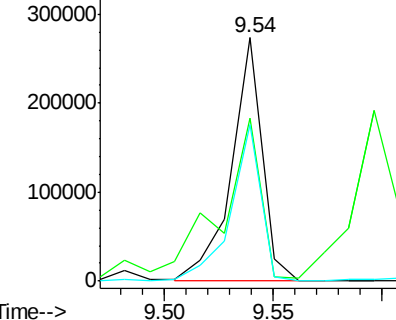
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

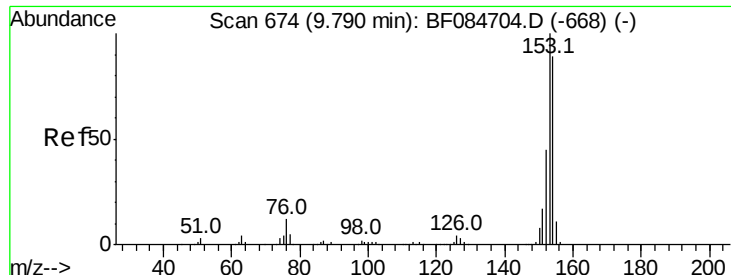


#50  
2,6-Dinitrotoluene  
Concen: 46.97 ng  
RT: 9.54 min Scan# 652  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 67.0  | 28.8  | 43.2# |
| 89      | 64.2  | 35.1  | 52.7# |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 50.73 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:154 Resp: 1130768

Ion Ratio Lower Upper

154 100

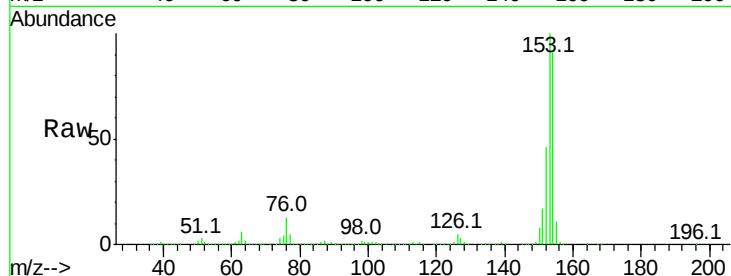
153 110.2 91.5 137.3

152 50.6 43.0 64.6

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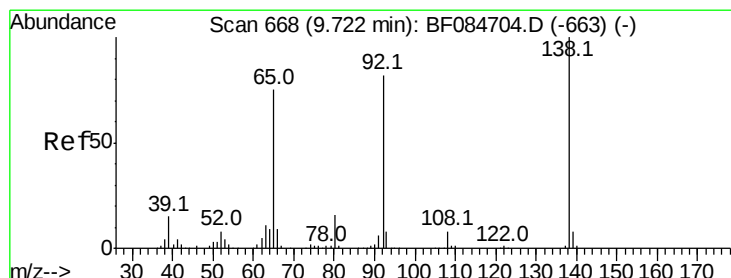
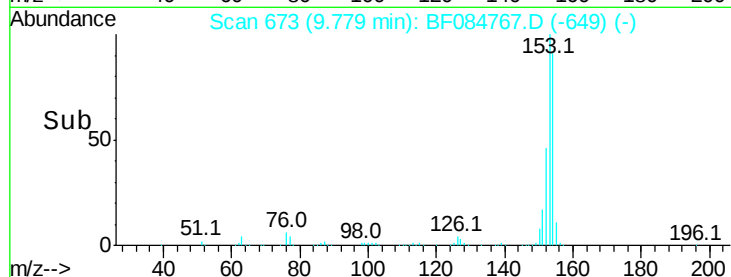
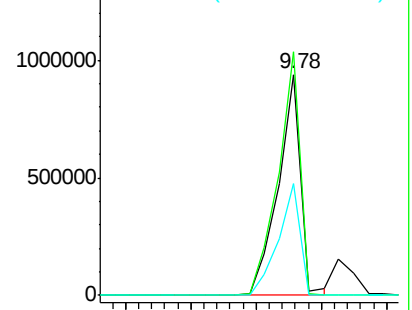
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.51 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

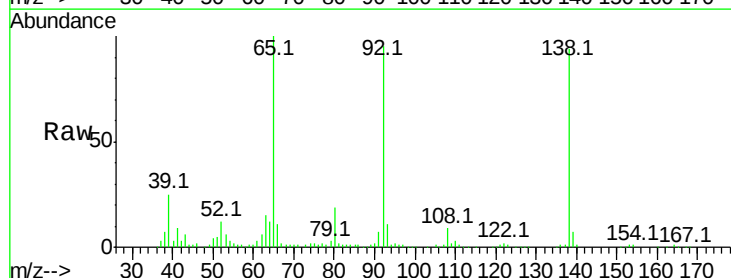
Tgt Ion:138 Resp: 157305

Ion Ratio Lower Upper

138 100

108 9.9 10.5 15.7#

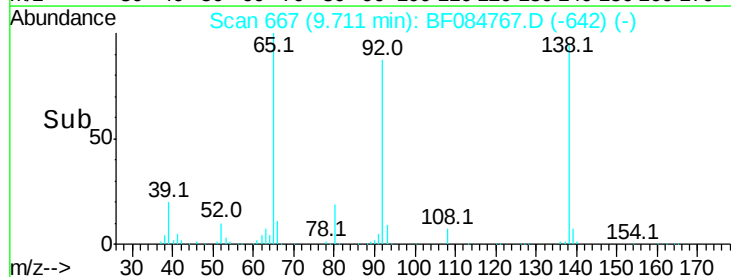
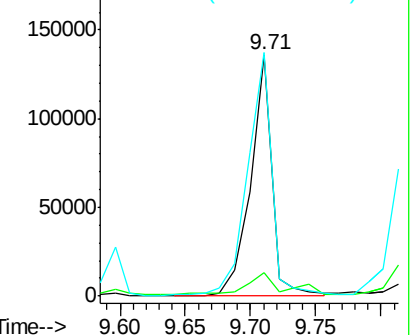
92 100.8 103.9 155.9#

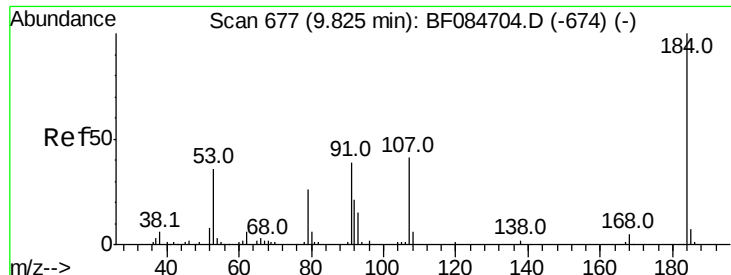


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





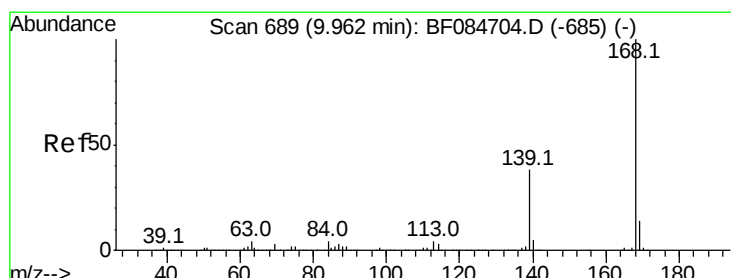
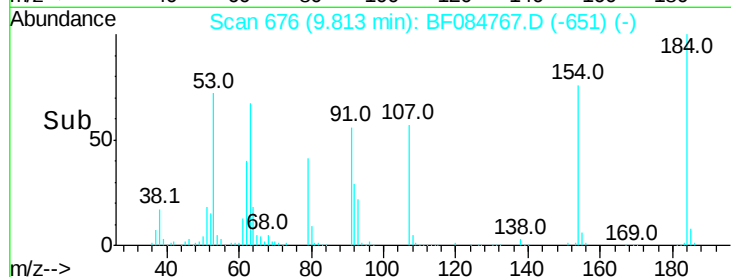
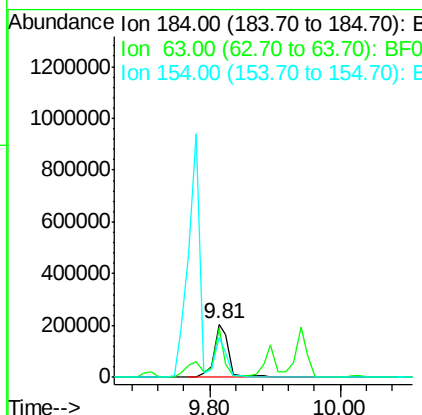
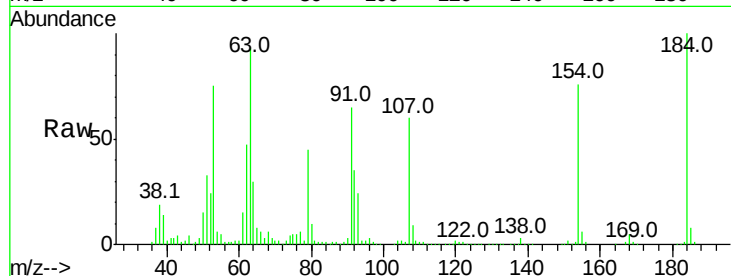
#53  
 2,4-Dinitrophenol  
 Concen: 118.79 ng  
 RT: 9.81 min Scan# 676  
 Delta R.T. -0.01 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 92.9  | 43.1 | 64.7# |       |
| 154     | 75.5  | 60.5 | 90.7  |       |

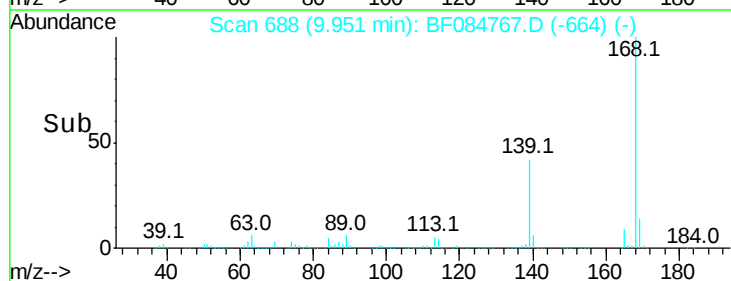
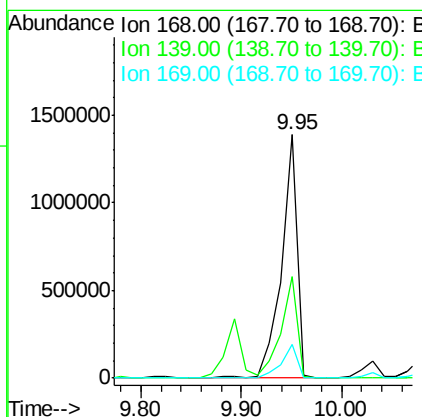
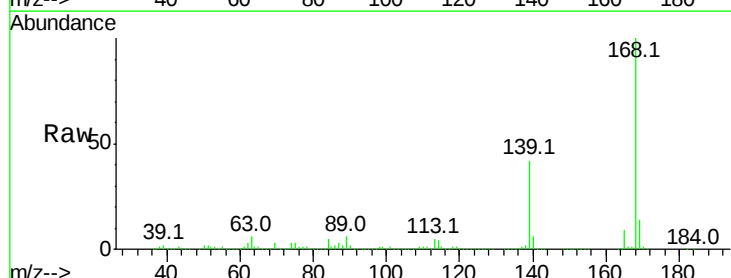
Manual Integrations  
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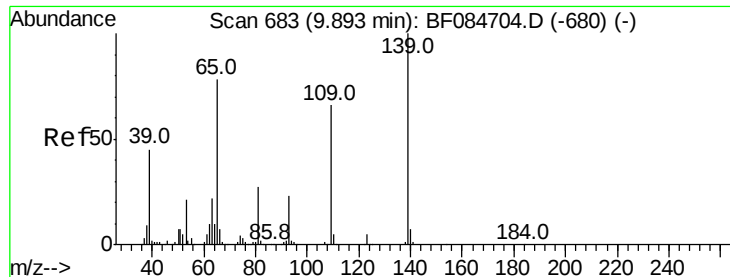
MMDadoda  
 2/3/2016 6:25:45 PM



#54  
 Dibenzofuran  
 Concen: 54.96 ng  
 RT: 9.95 min Scan# 688  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 41.6  | 30.5 | 45.7  |       |
| 169     | 13.9  | 10.4 | 15.6  |       |





#55

4-Nitrophenol

Concen: 77.83 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

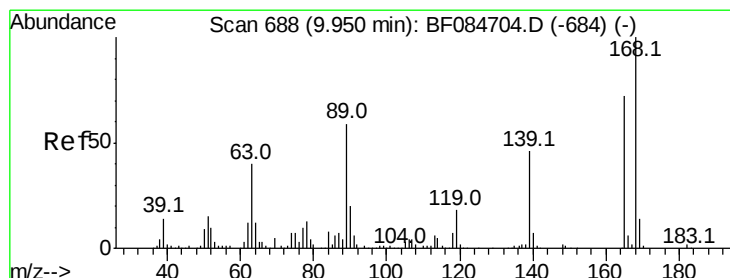
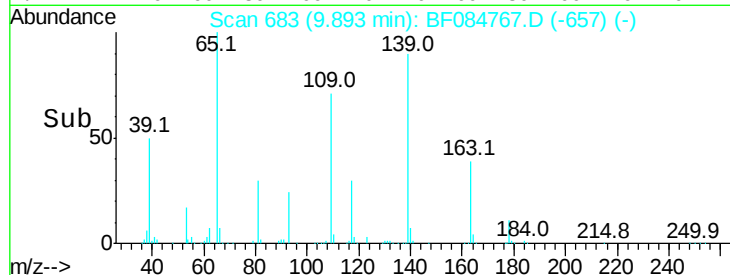
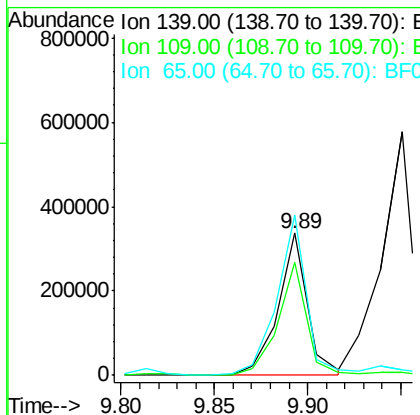
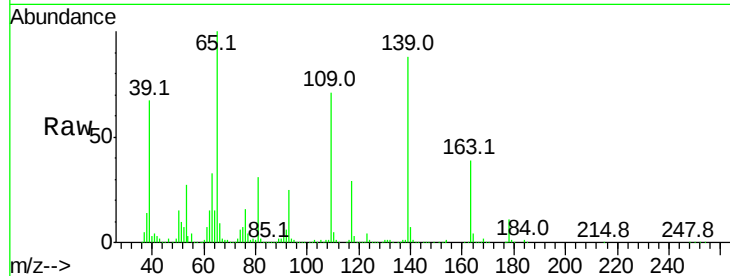
ClientSampleId :

SUP-B012(10-12.5)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 367036 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 79.8  | 58.5  | 98.5   |
| 65        | 113.1 | 57.6  | 97.6#  |

Manual Integrations  
APPROVED

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2/3/2016 6:25:45 PM



#56

2,4-Dinitrotoluene

Concen: 45.25 ng

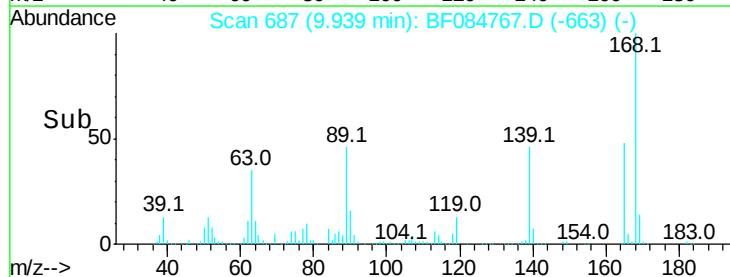
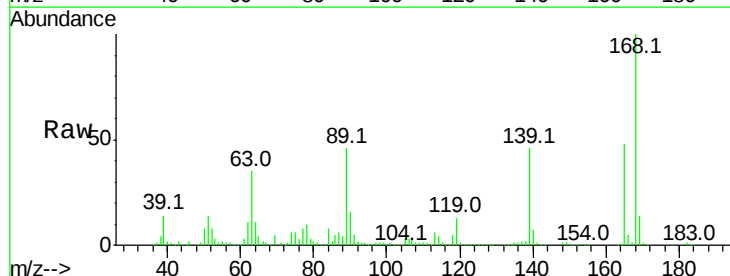
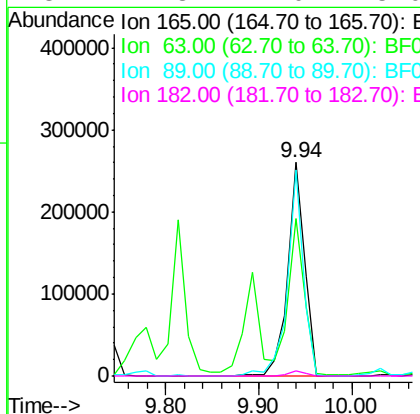
RT: 9.94 min Scan# 687

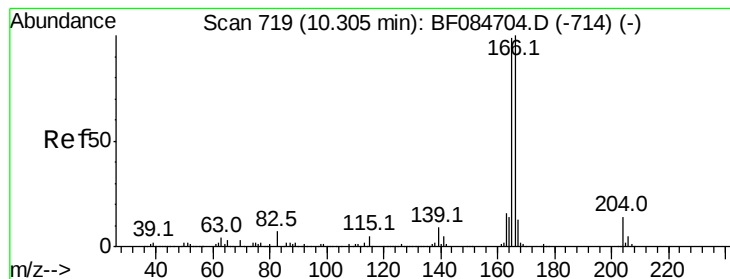
Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 329601 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 73.9  | 36.7  | 55.1#  |
| 89        | 96.2  | 61.9  | 92.9#  |
| 182       | 2.3   | 2.0   | 3.0    |





#57

Fluorene

Concen: 51.69 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:166 Resp: 1175935

Ion Ratio Lower Upper

166 100

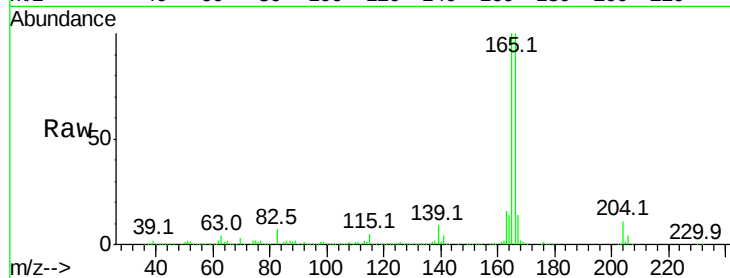
165 99.6 79.1 118.7

167 13.6 10.4 15.6

Manual Integrations  
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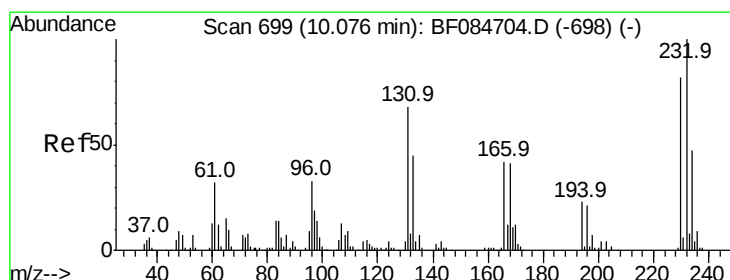
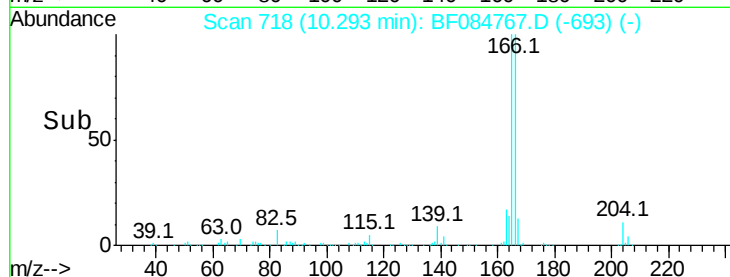
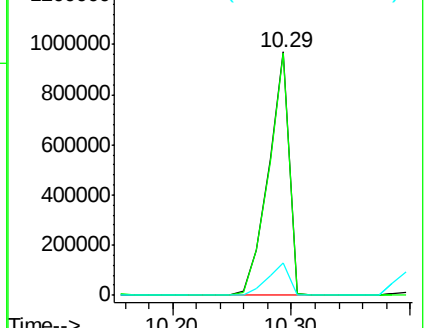
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.79 ng

RT: 10.08 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Tgt Ion:232 Resp: 303060

Ion Ratio Lower Upper

232 100

131 47.2 47.0 70.6

130 2.3 2.0 3.0

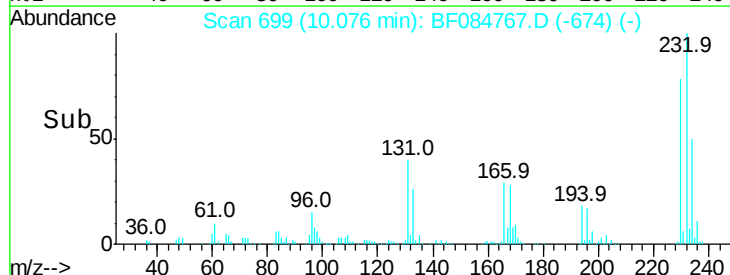
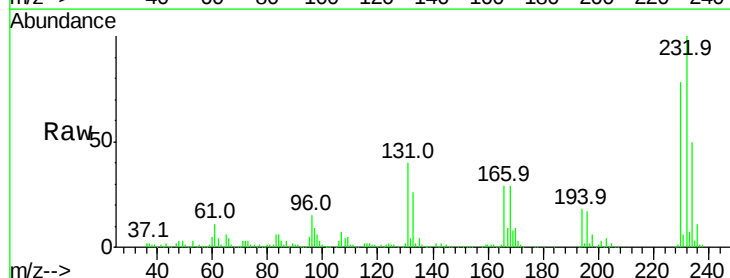
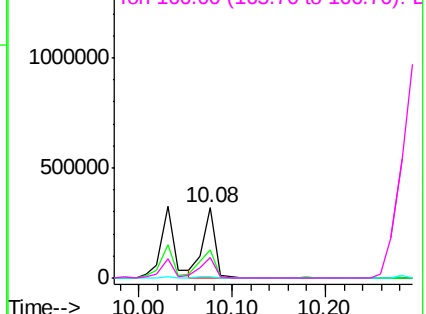
166 31.9 30.5 45.7

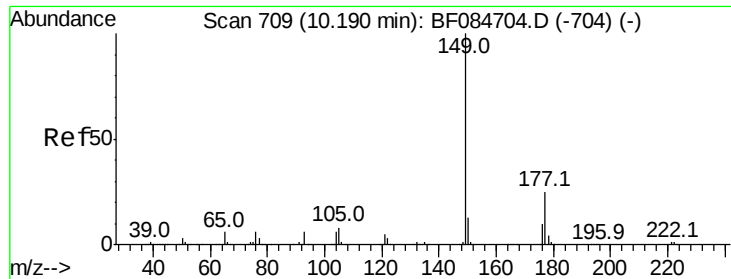
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





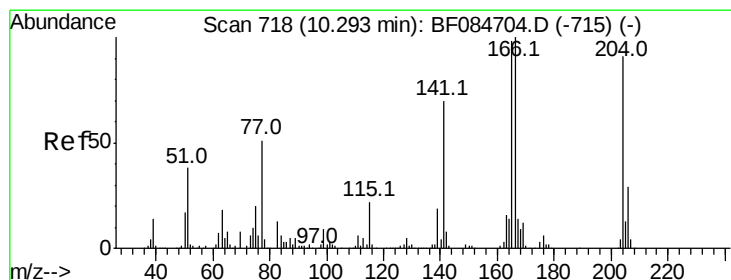
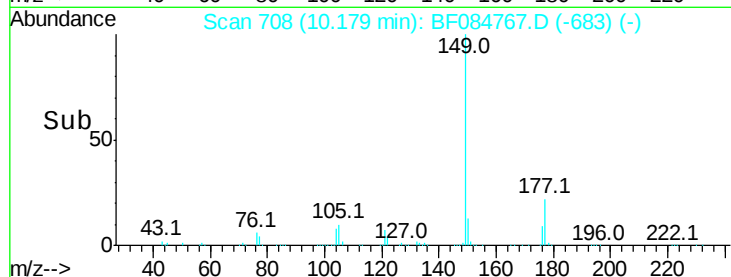
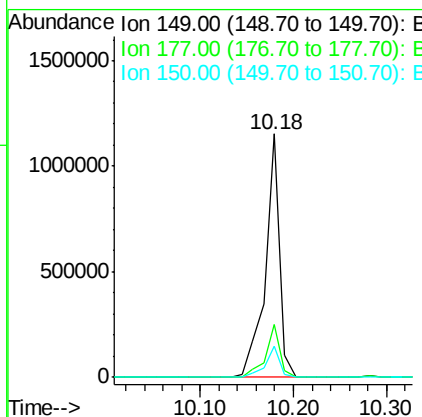
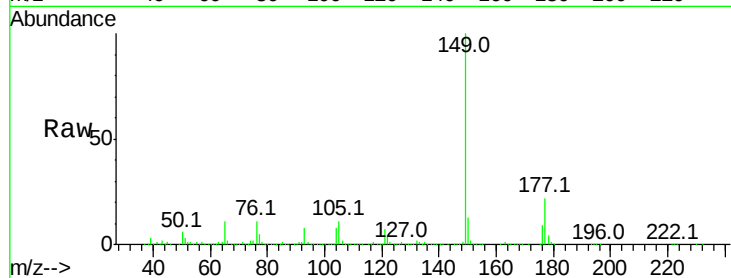
#59  
Diethylphthalate  
Concen: 48.37 ng  
RT: 10.18 min Scan# 708  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

Tot Ion:149 Resp: 1234702  
Ion Ratio Lower Upper  
149 100  
177 21.7 17.3 25.9  
150 12.9 9.8 14.8

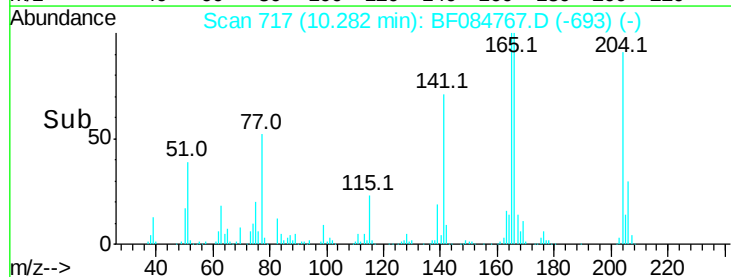
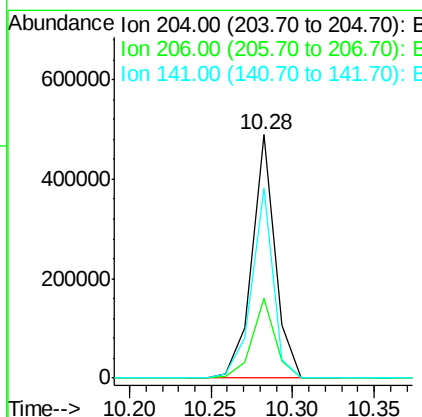
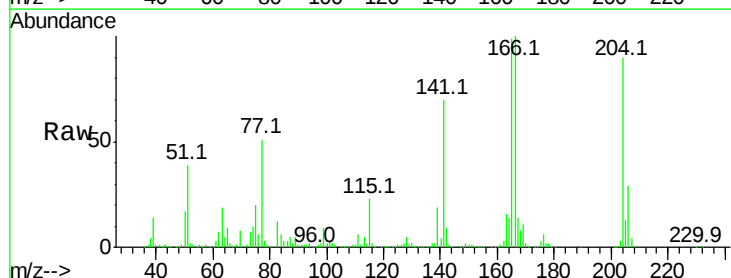
Manual Integrations  
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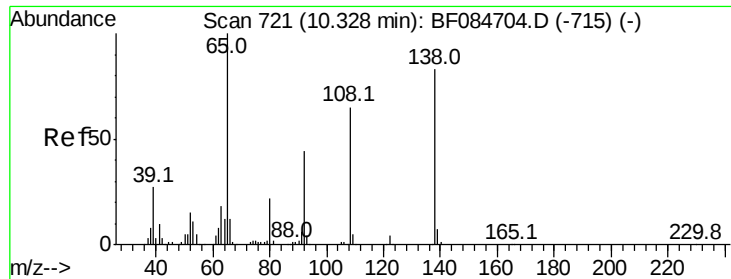
MMDadoda  
2/3/2016 6:25:45 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 51.58 ng  
RT: 10.28 min Scan# 717  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Tgt Ion:204 Resp: 482814  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.7 38.5  
141 77.9 55.1 82.7





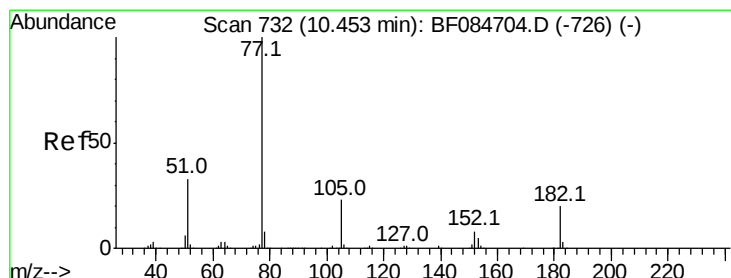
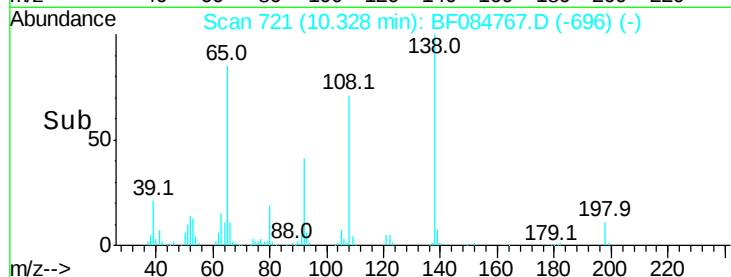
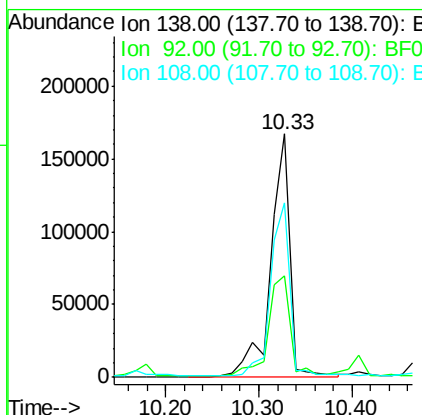
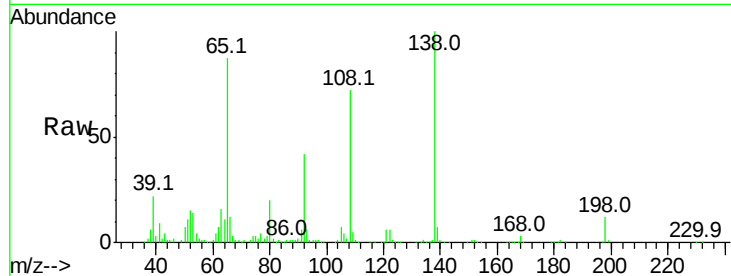
#61  
4-Nitroaniline  
Concen: 37.70 ng  
RT: 10.33 min Scan# 721  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 41.9  | 32.6  | 72.6  |
| 108     | 71.5  | 68.6  | 108.6 |

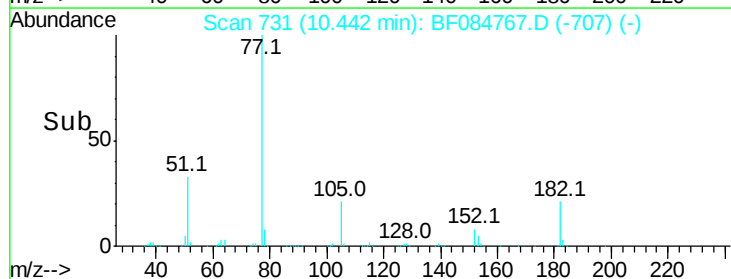
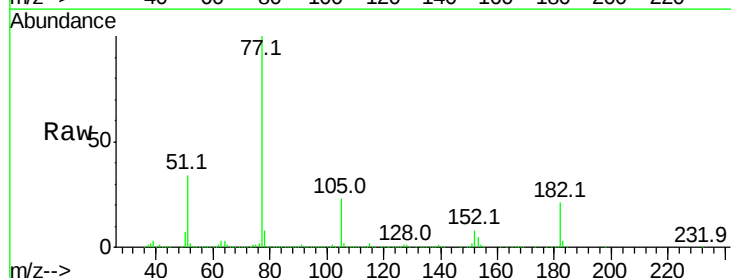
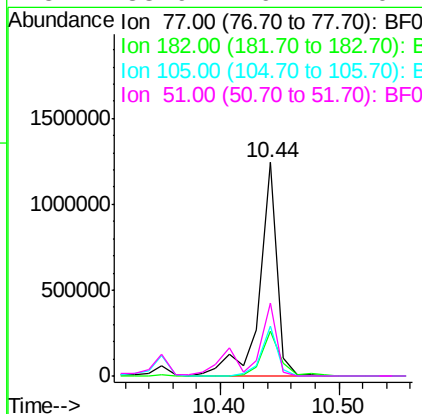
Manual Integrations  
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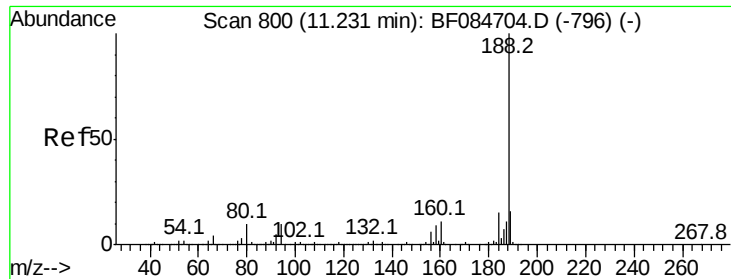
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2/3/2016 6:25:45 PM



#62  
Azobenzene  
Concen: 52.13 ng  
RT: 10.44 min Scan# 731  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 20.7  | 8.3   | 48.3  |
| 105     | 23.4  | 4.6   | 44.6  |
| 51      | 33.9  | 6.2   | 46.2  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

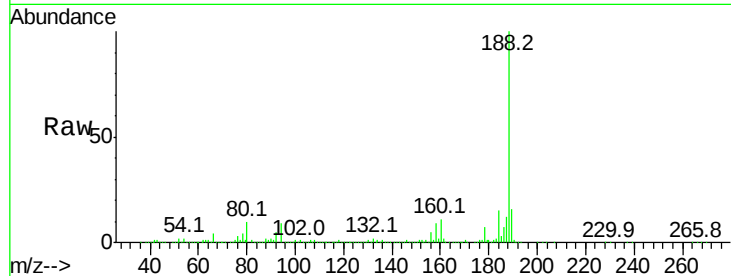
ClientSampleId :

SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 8.7   | 9.0        | 13.4# |
| 80      | 9.9   | 9.6        | 14.4  |

Manual Integrations  
APPROVED

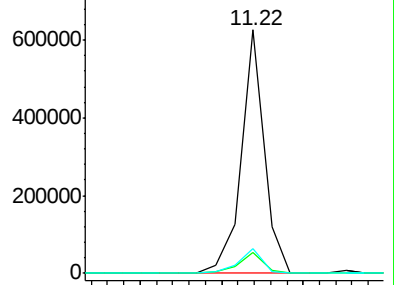
MMDadoda  
2/3/2016 6:25:45 PM



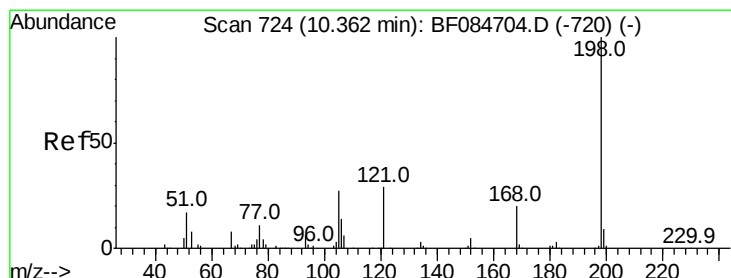
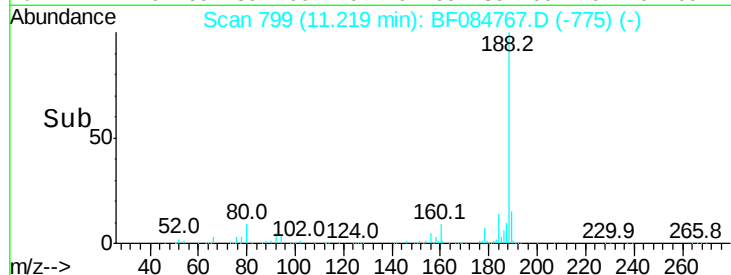
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 54.48 ng

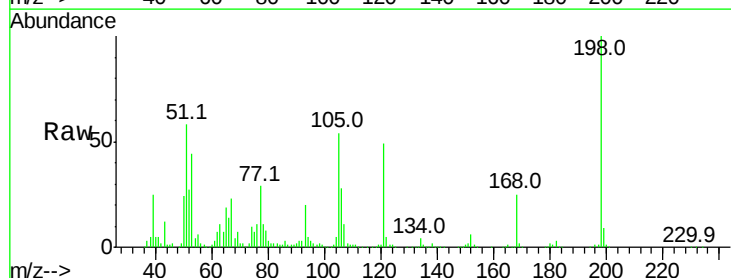
RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

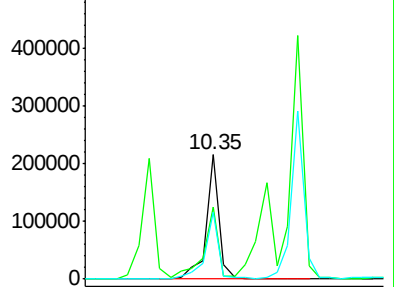
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 58.2  | 18.9       | 58.9  |
| 105     | 54.1  | 26.4       | 66.4  |



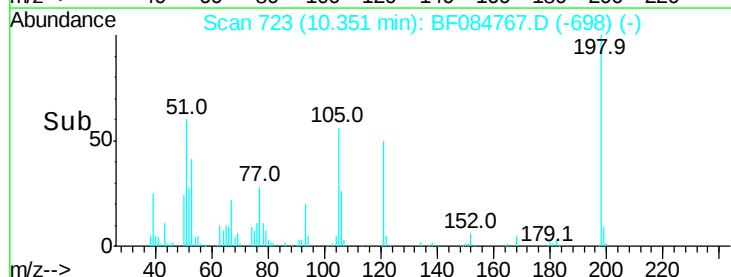
Abundance Ion 198.00 (197.70 to 198.70): E

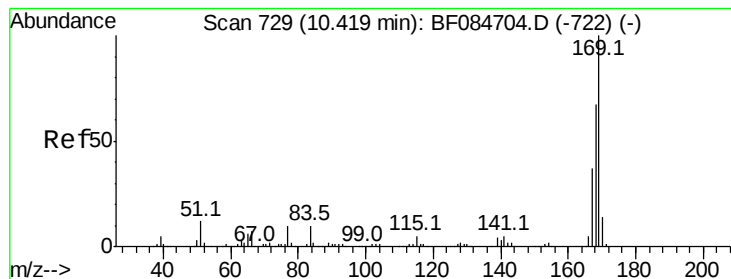
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





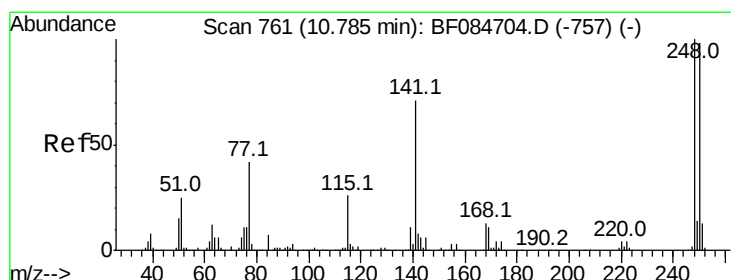
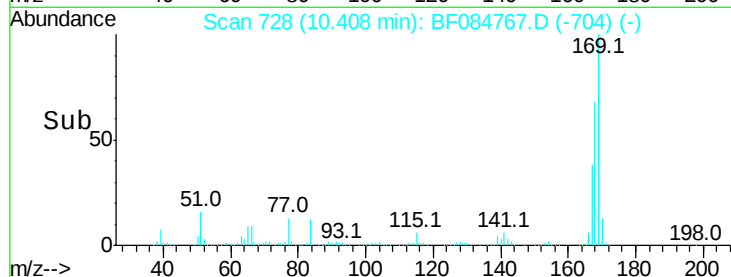
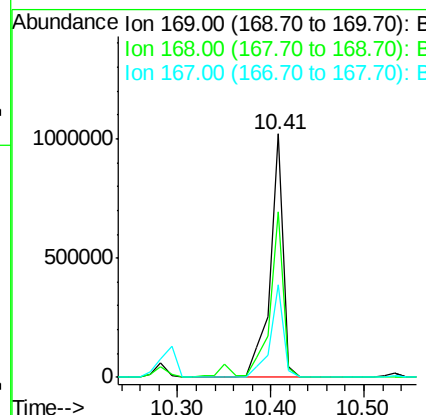
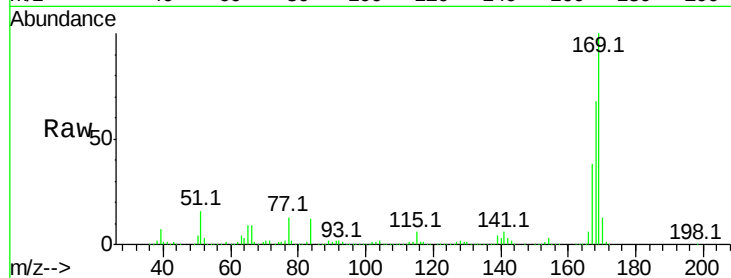
#65  
n-Nitrosodiphenylamine  
Concen: 51.25 ng  
RT: 10.41 min Scan# 728  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

Tot Ion:169 Resp: 1001823  
Ion Ratio Lower Upper  
169 100  
168 67.9 55.1 82.7  
167 38.2 30.0 45.0

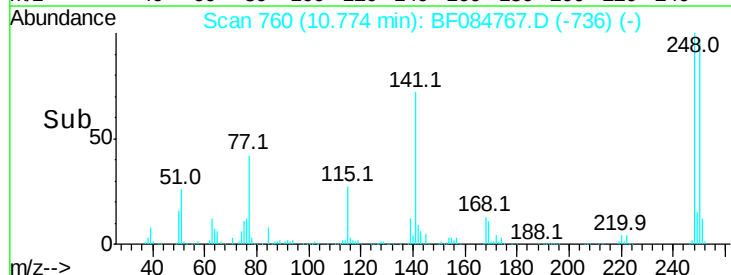
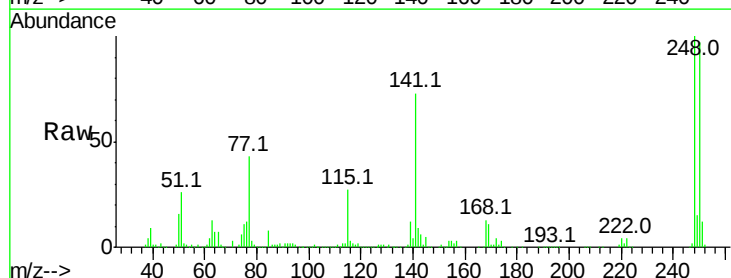
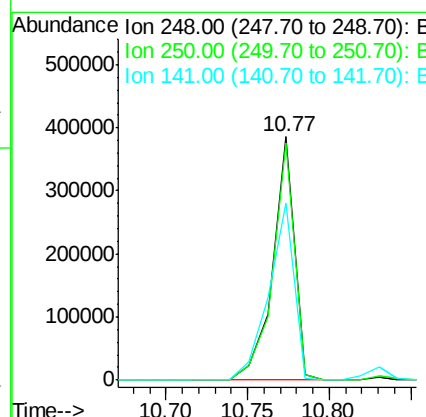
Manual Integrations  
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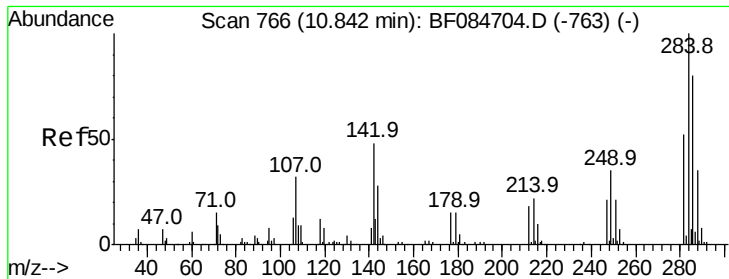
MMDadoda  
2/3/2016 6:25:45 PM



#66  
4-Bromophenyl-phenylether  
Concen: 52.79 ng  
RT: 10.77 min Scan# 760  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Tgt Ion:248 Resp: 358930  
Ion Ratio Lower Upper  
248 100  
250 97.4 78.4 117.6  
141 73.0 44.0 66.0#





#67

Hexachlorobenzene

Concen: 48.35 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

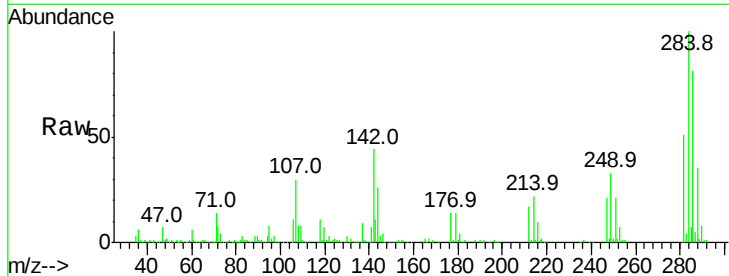
ClientSampleId :

SUP-B012(10-12.5)MSD

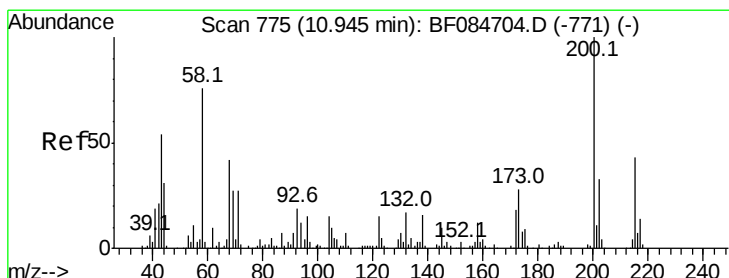
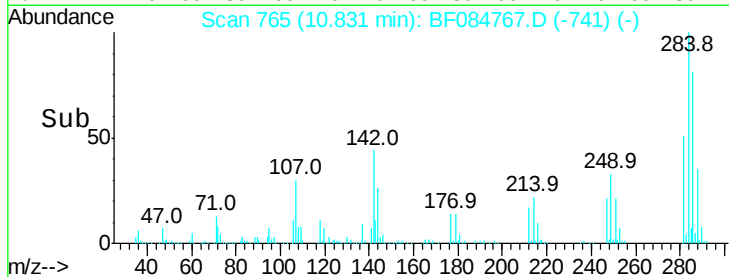
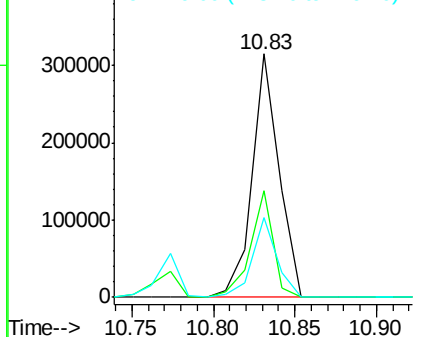
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 358257 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 43.7  | 22.2  | 33.4#  |
| 249       | 33.0  | 24.6  | 37.0   |

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



#68

Atrazine

Concen: 47.99 ng

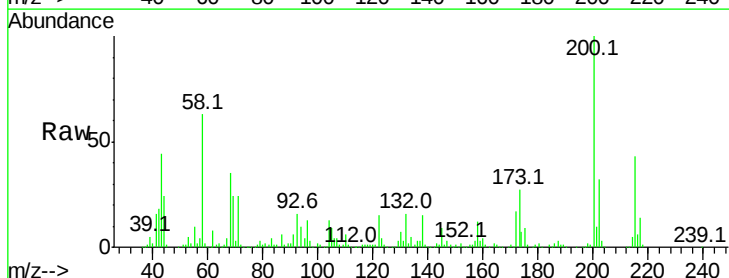
RT: 10.94 min Scan# 775

Delta R.T. -0.01 min

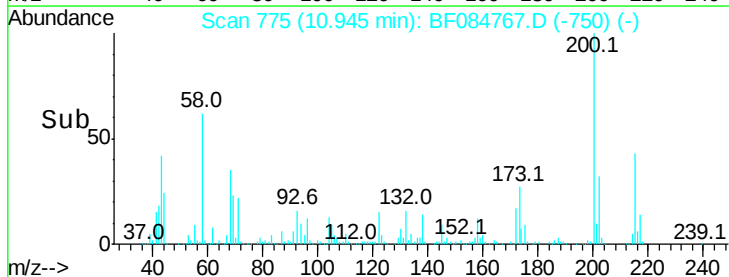
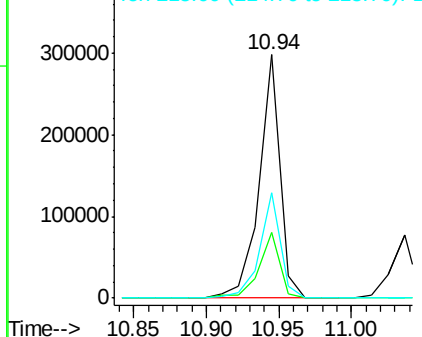
Lab File: BF084767.D

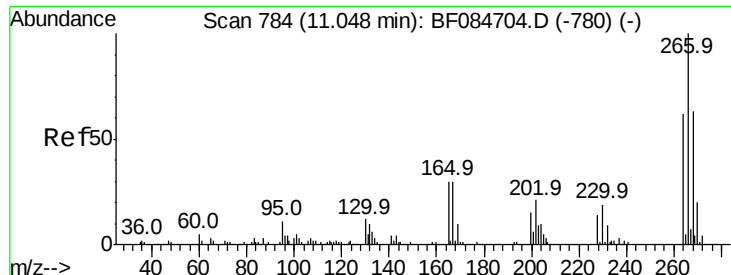
Acq: 3 Feb 2016 2:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 296275 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 27.2  | 9.5   | 49.5   |
| 215       | 43.5  | 23.8  | 63.8   |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





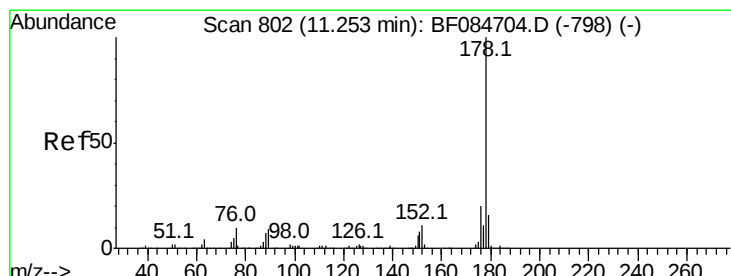
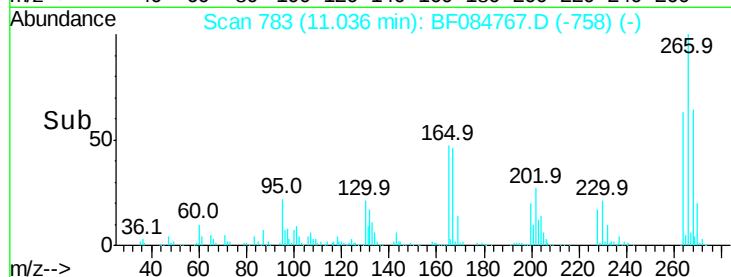
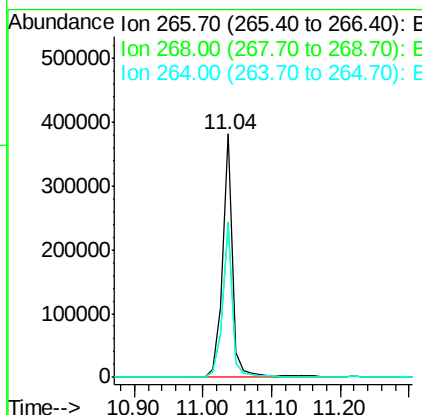
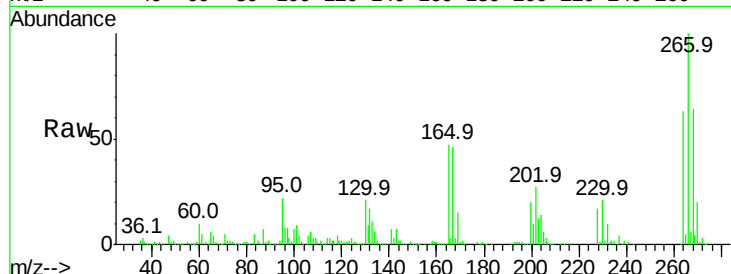
#69  
 Pentachlorophenol  
 Concen: 114.52 ng  
 RT: 11.04 min Scan# 783  
 Delta R.T. -0.01 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 398761 |       |       |
| 268     | 63.9  |        | 52.4  | 78.6  |
| 264     | 62.8  |        | 50.2  | 75.2  |

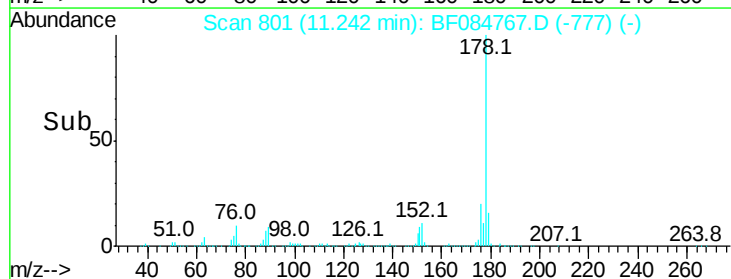
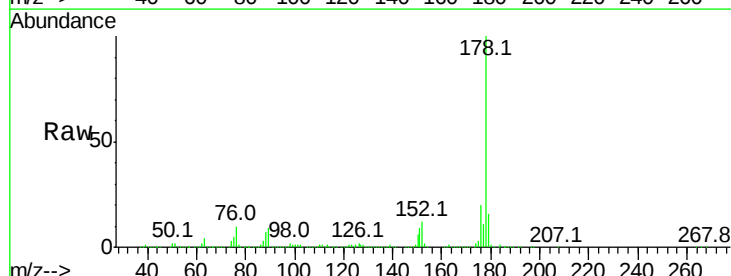
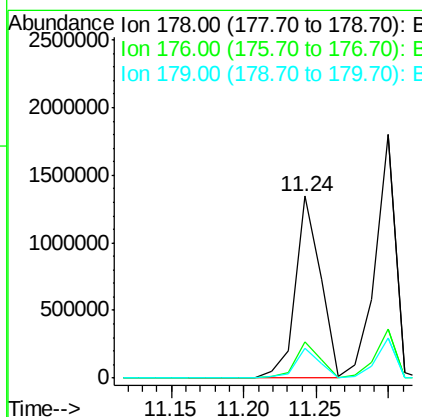
Manual Integrations  
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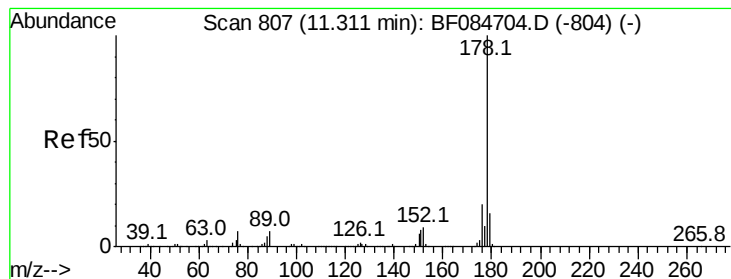
MMDadoda  
 2/3/2016 6:25:45 PM



#70  
 Phenanthrene  
 Concen: 46.92 ng  
 RT: 11.24 min Scan# 801  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1602021 |       |       |
| 176     | 19.8  |         | 15.3  | 22.9  |
| 179     | 16.4  |         | 12.0  | 18.0  |





#71

Anthracene

Concen: 50.56 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:178 Resp: 1739398

Ion Ratio Lower Upper

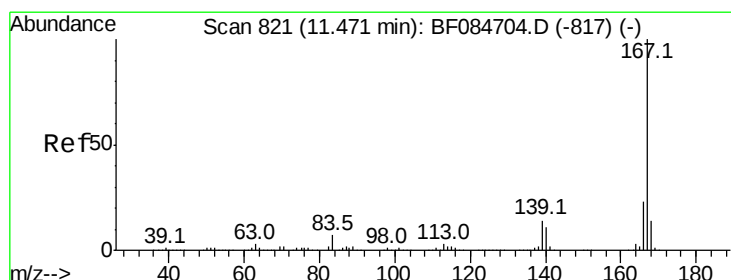
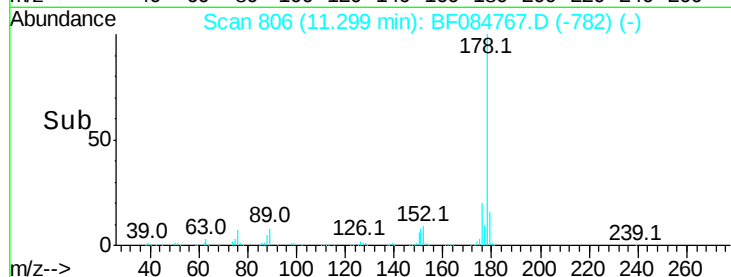
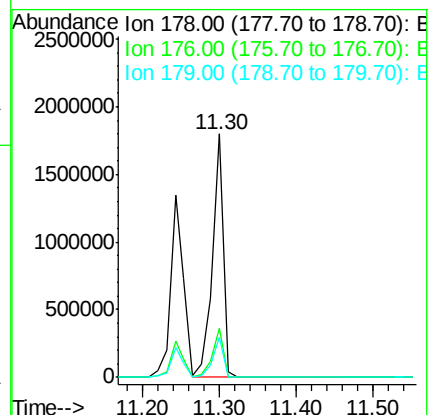
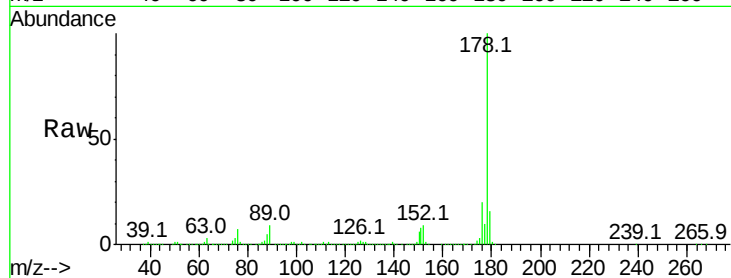
178 100

176 20.0 15.4 23.0

179 16.4 12.5 18.7

Manual Integrations  
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#72

Carbazole

Concen: 51.61 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

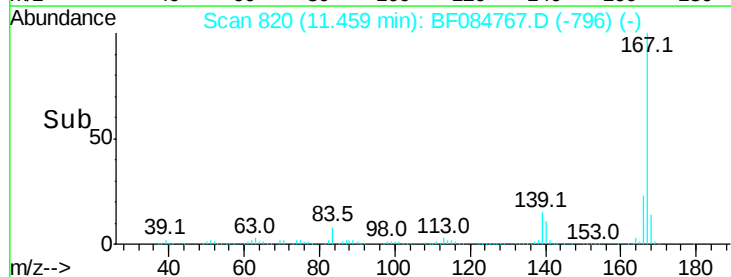
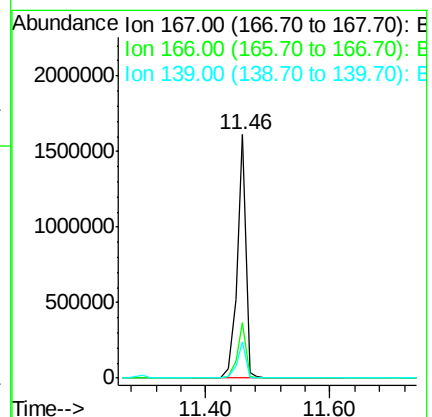
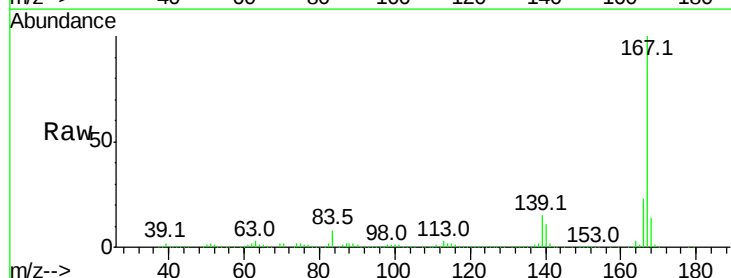
Tgt Ion:167 Resp: 1548462

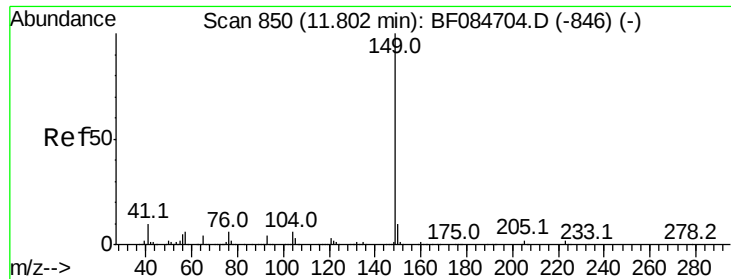
Ion Ratio Lower Upper

167 100

166 22.9 17.6 26.4

139 14.7 11.8 17.8





#73

Di-n-butylphthalate

Concen: 46.16 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:149 Resp: 1763025

Ion Ratio Lower Upper

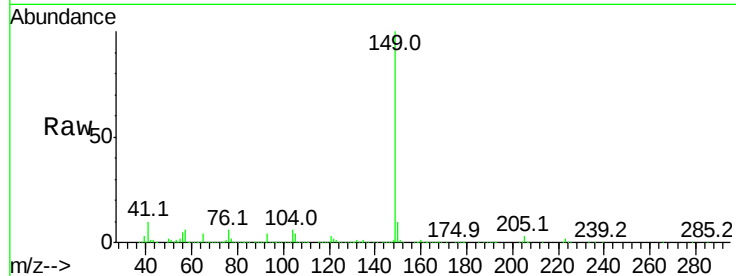
149 100

150 10.4 7.1 10.7

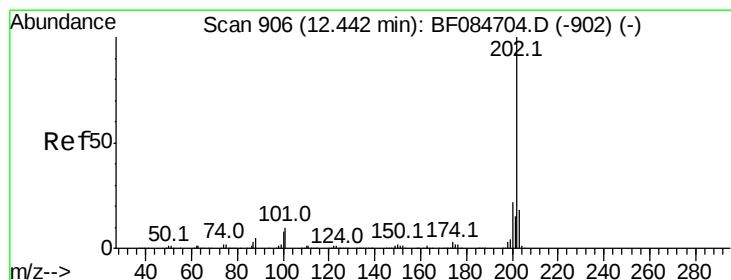
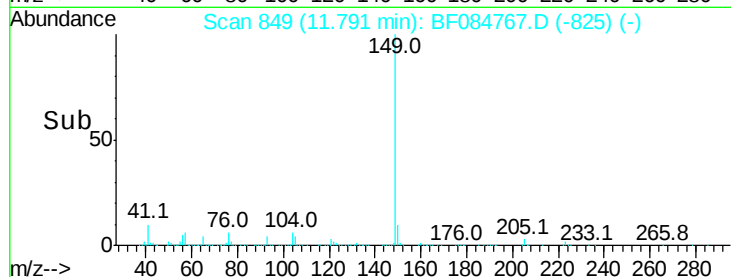
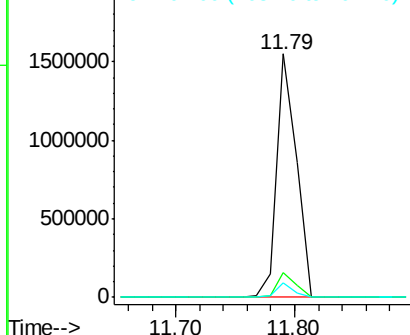
104 6.1 3.2 4.8#

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



#74

Fluoranthene

Concen: 50.88 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

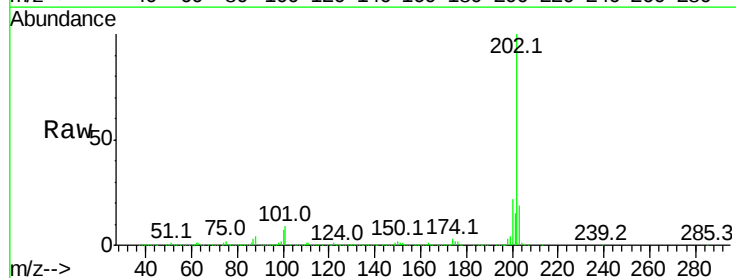
Tgt Ion:202 Resp: 1758484

Ion Ratio Lower Upper

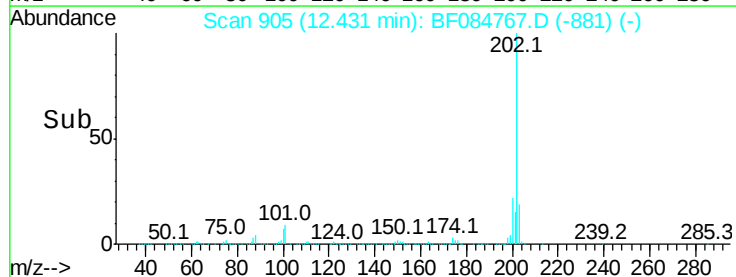
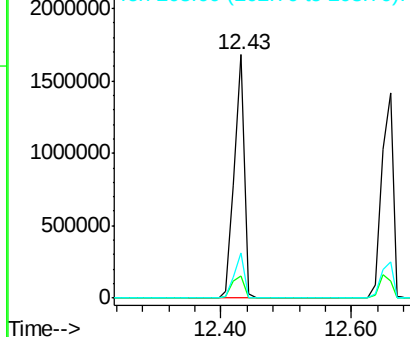
202 100

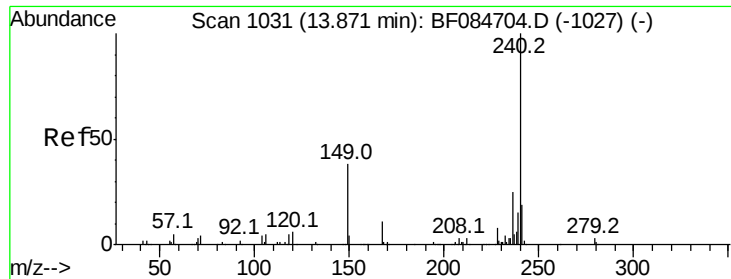
101 9.3 0.0 32.8

203 18.6 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

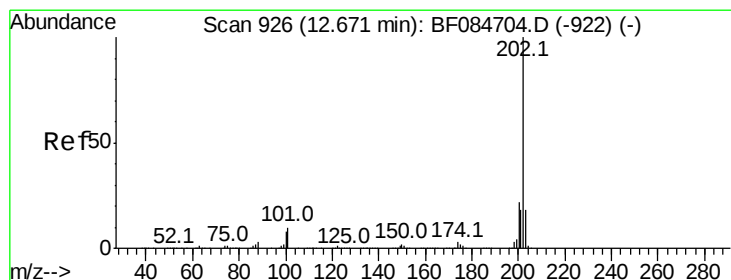
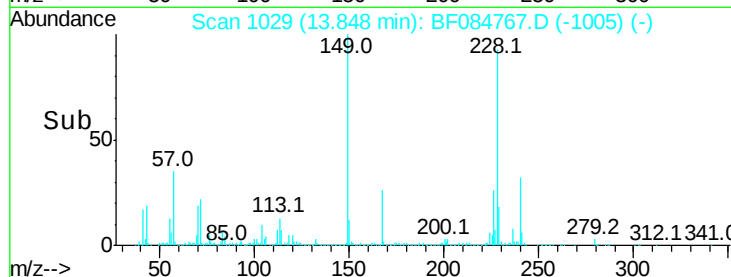
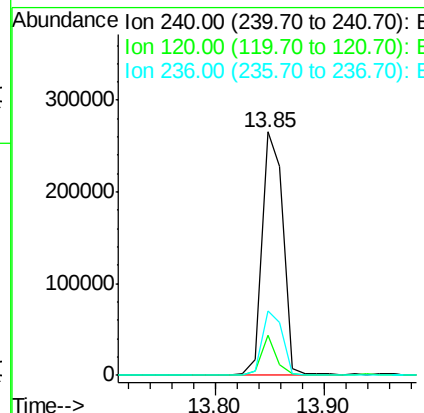
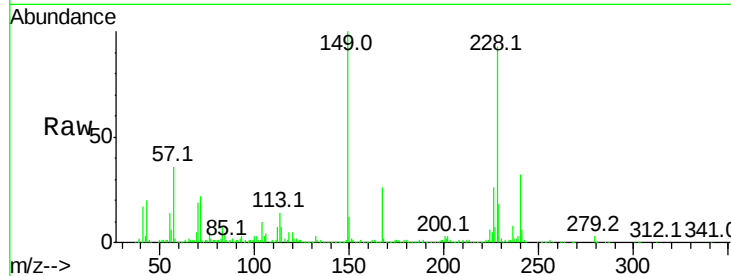
ClientSampleId :

SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.7  | 9.5   | 14.3# |
| 236     | 26.7  | 20.6  | 31.0  |

Manual Integrations  
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#77

Pyrene

Concen: 64.03 ng

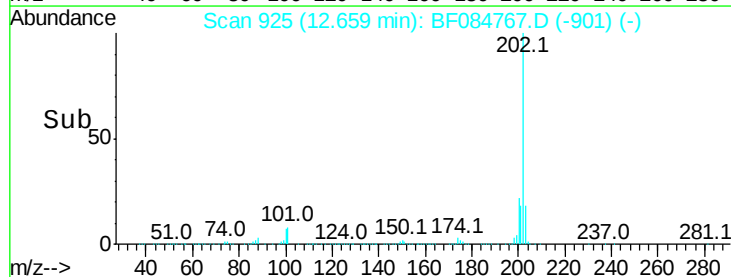
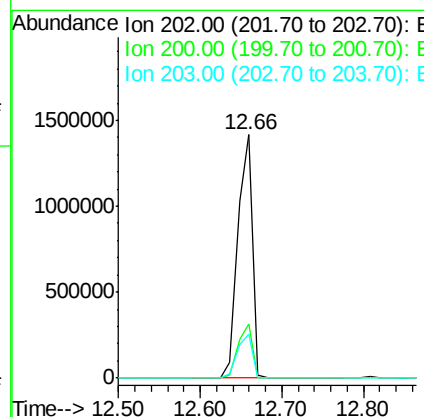
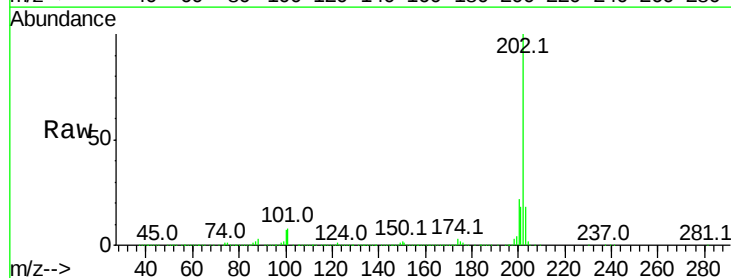
RT: 12.66 min Scan# 925

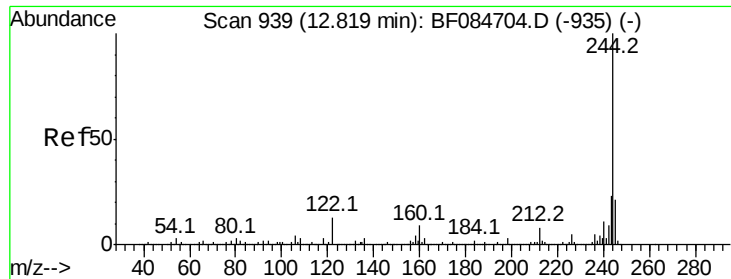
Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 17.2  | 25.8  |
| 203     | 17.9  | 14.3  | 21.5  |





#78

Terphenyl-d14

Concen: 114.92 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:244 Resp: 1817131

Ion Ratio Lower Upper

244 100

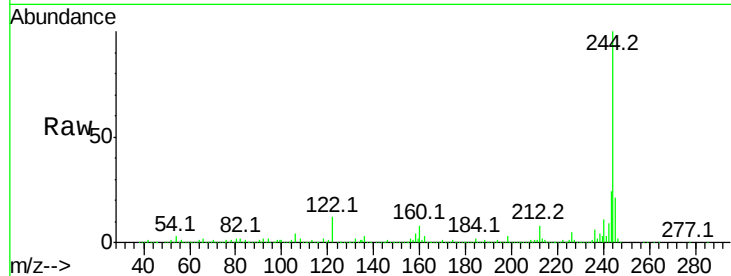
212 7.9 5.7 8.5

122 11.6 7.4 11.0#

Manual Integrations  
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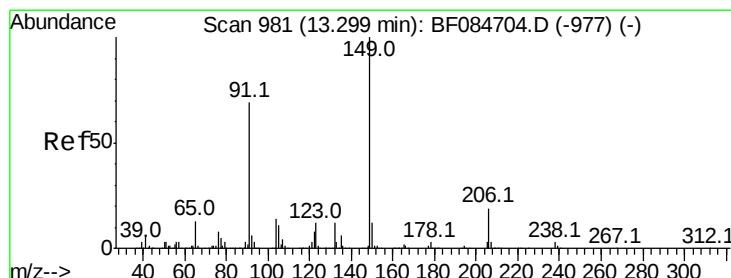
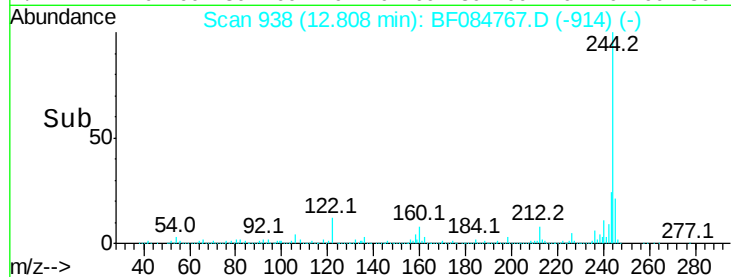
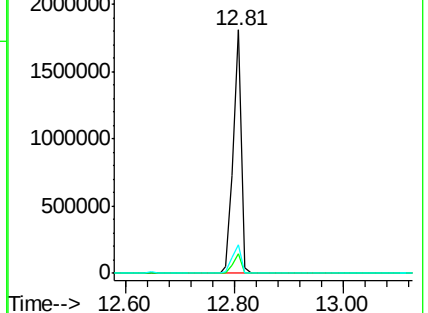
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 59.23 ng

RT: 13.29 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

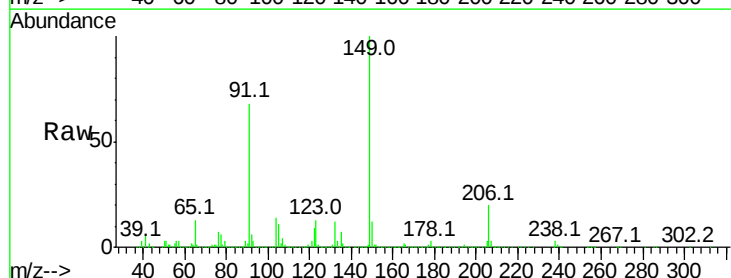
Tgt Ion:149 Resp: 737099

Ion Ratio Lower Upper

149 100

91 68.2 57.6 86.4

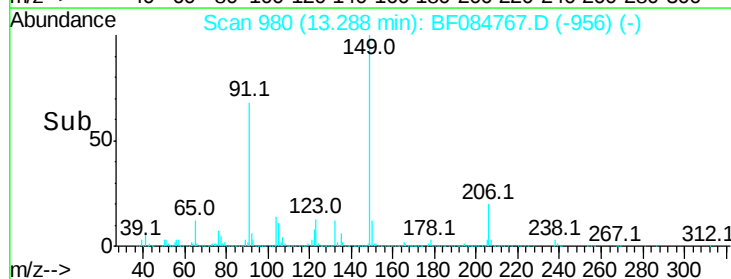
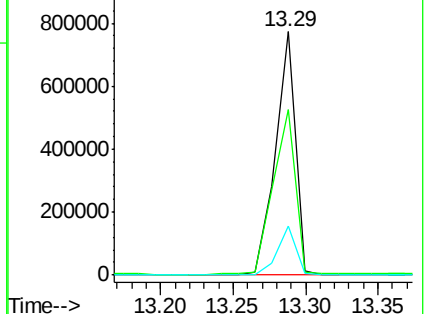
206 20.1 13.2 19.8#

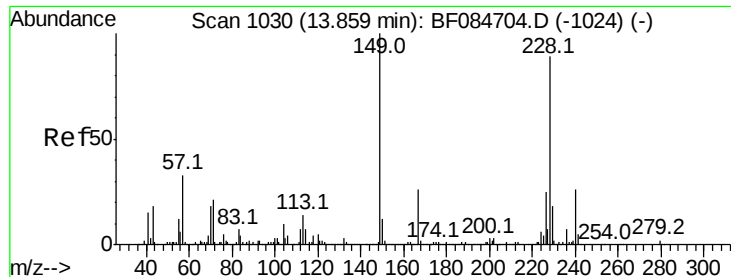


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 54.71 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:228 Resp: 1216585

Ion Ratio Lower Upper

228 100

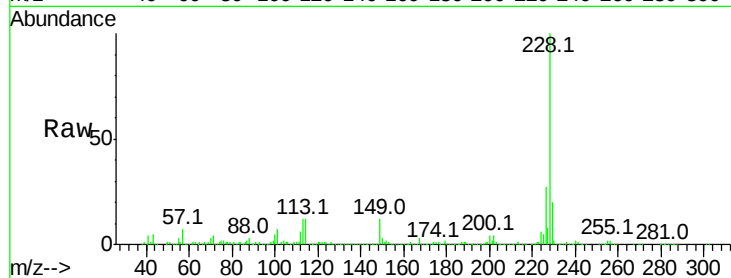
226 27.4 21.8 32.6

229 20.2 15.8 23.8

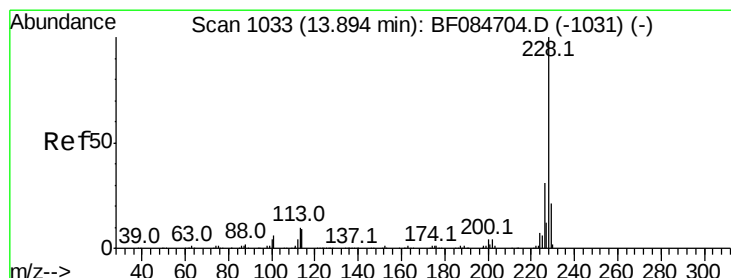
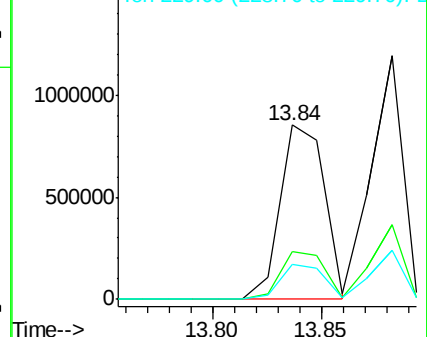
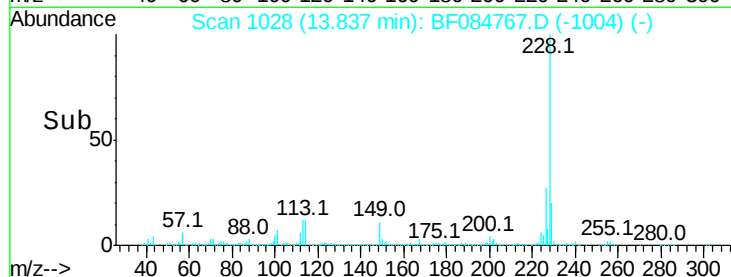
Manual Integrations  
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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 56.03 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

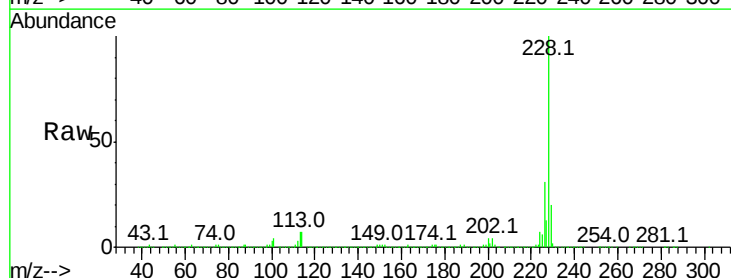
Tgt Ion:228 Resp: 1208288

Ion Ratio Lower Upper

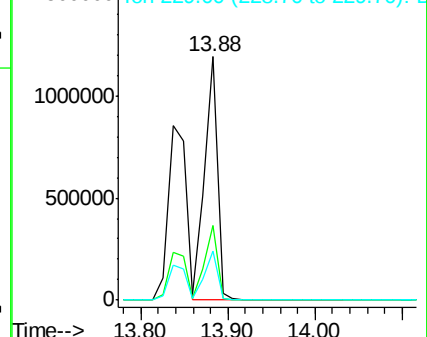
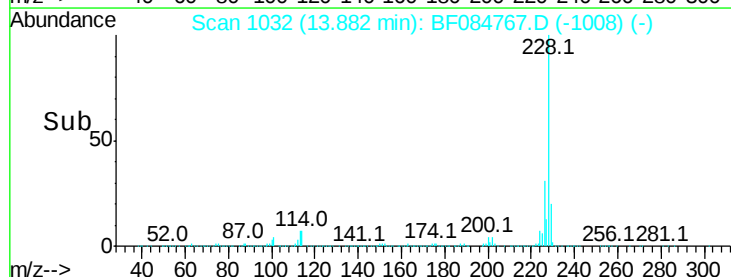
228 100

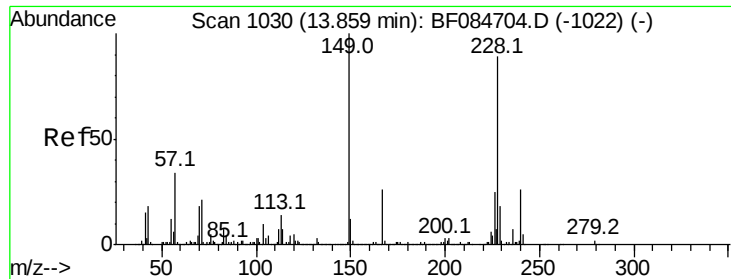
226 30.7 24.3 36.5

229 20.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





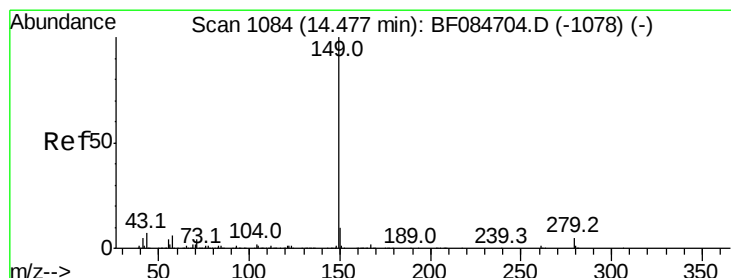
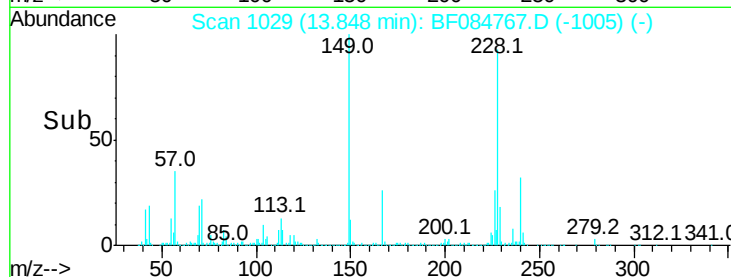
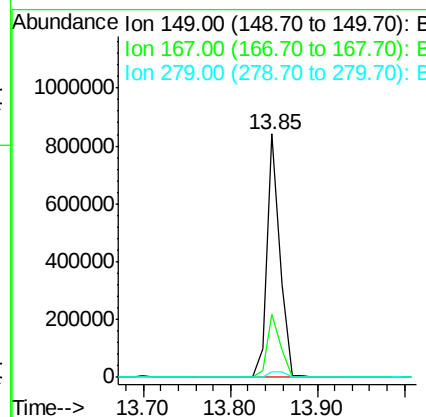
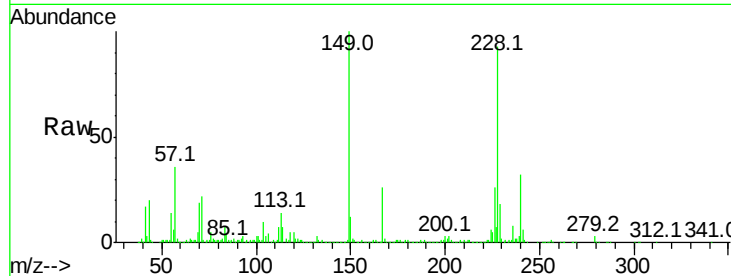
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 56.28 ng  
RT: 13.85 min Scan# 1029  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.9  | 19.7  | 29.5  |
| 279     | 2.5   | 1.8   | 2.6   |

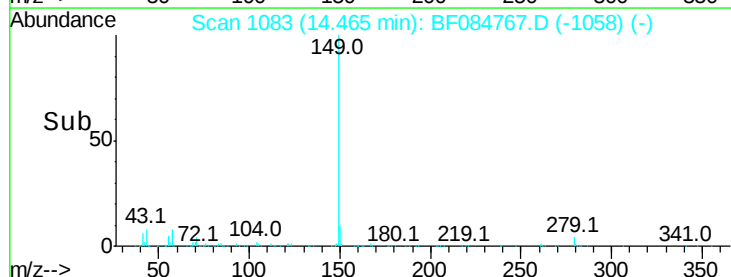
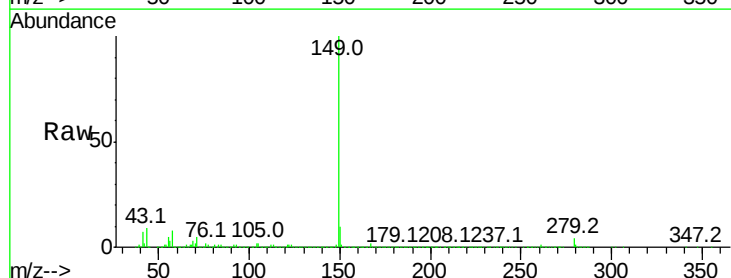
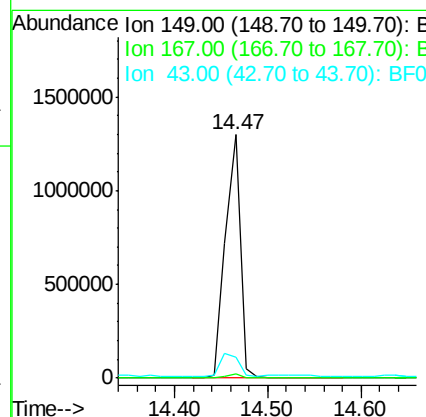
Manual Integrations  
APPROVED

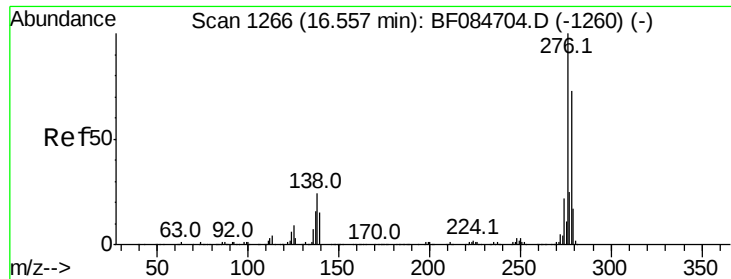
MMDadoda  
2/3/2016 6:25:45 PM



#84  
Di-n-octyl phthalate  
Concen: 56.11 ng  
RT: 14.47 min Scan# 1083  
Delta R.T. -0.01 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 11.0  | 5.6   | 8.4#  |





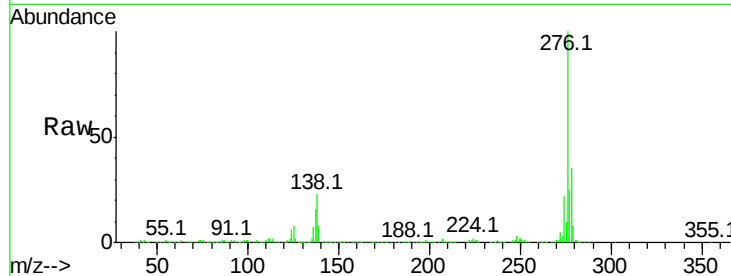
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 67.63 ng  
 RT: 16.53 min Scan# 1264  
 Delta R.T. -0.03 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

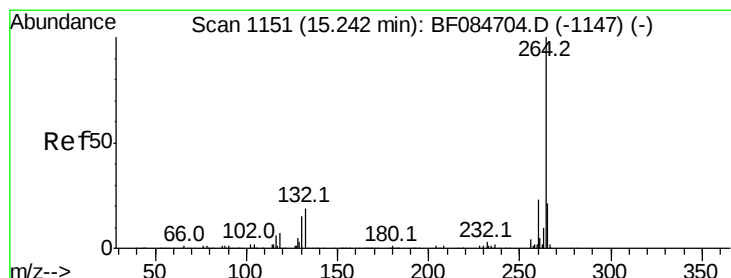
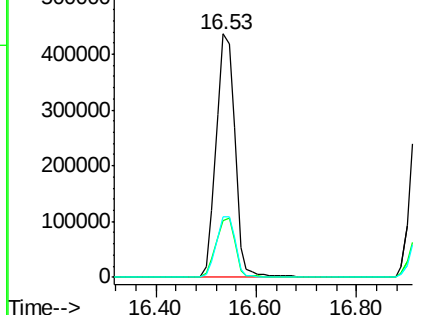
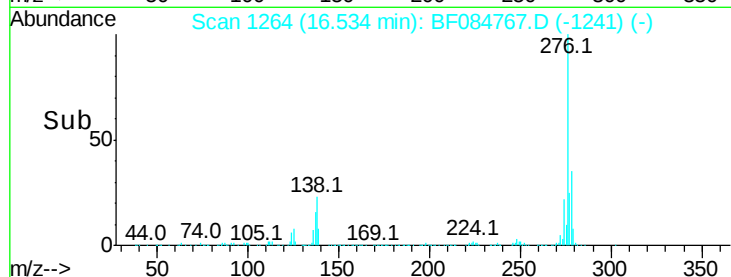
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.4  | 20.6  | 30.8  |
| 277     | 25.3  | 20.1  | 30.1  |

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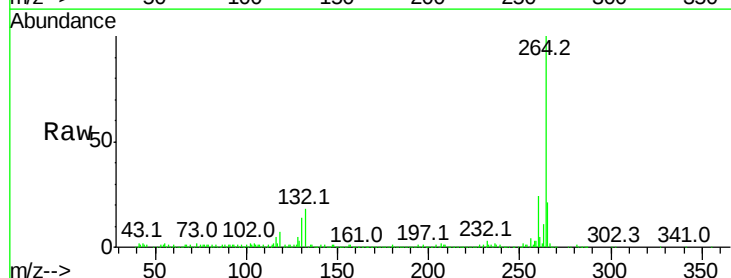


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

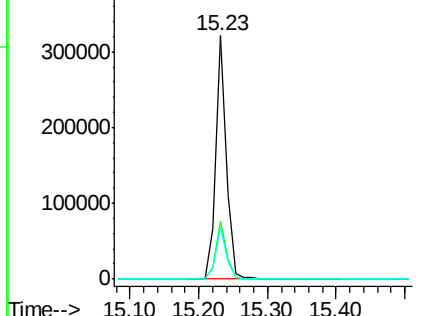
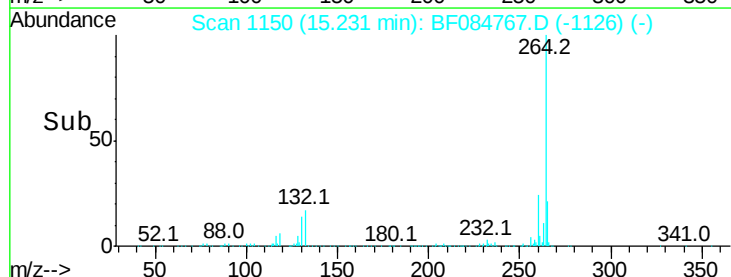


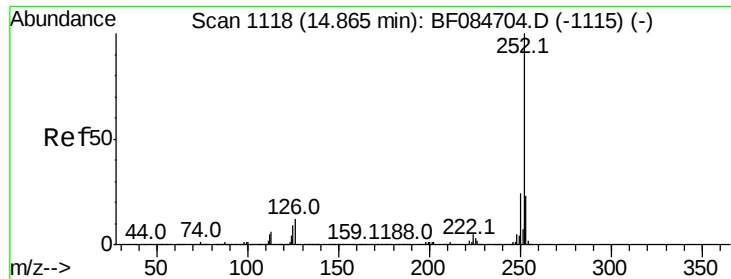
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.23 min Scan# 1150  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.4  | 29.2  |
| 265     | 21.3  | 17.8  | 26.6  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 45.45 ng m

RT: 14.85 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(10-12.5)MSD

Tot Ion:252 Resp: 1085636

Ion Ratio Lower Upper

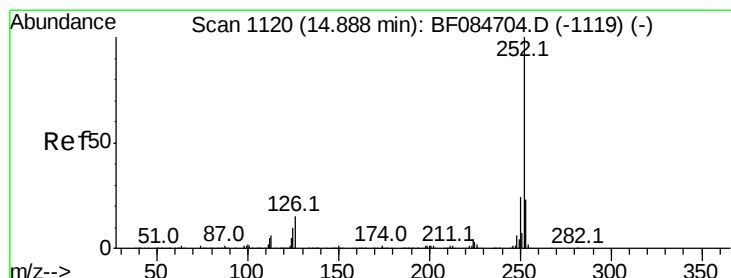
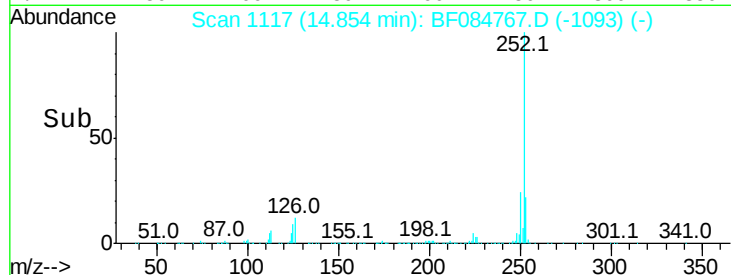
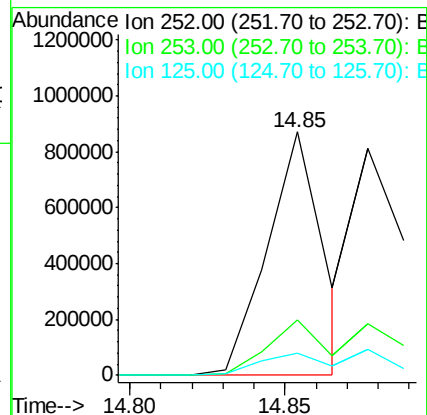
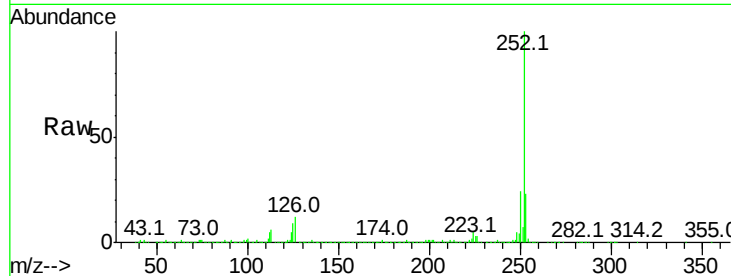
252 100

253 22.5 17.3 25.9

125 9.1 6.5 9.7

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#88

Benzo(k)fluoranthene

Concen: 47.57 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084767.D

Acq: 3 Feb 2016 2:31

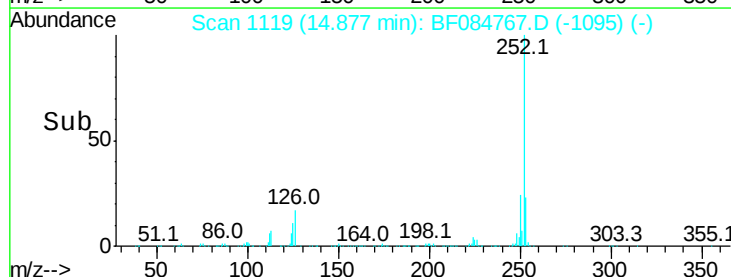
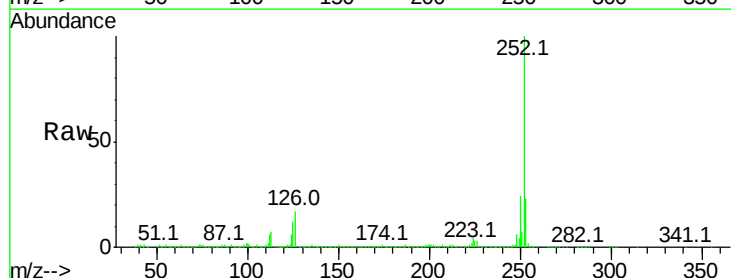
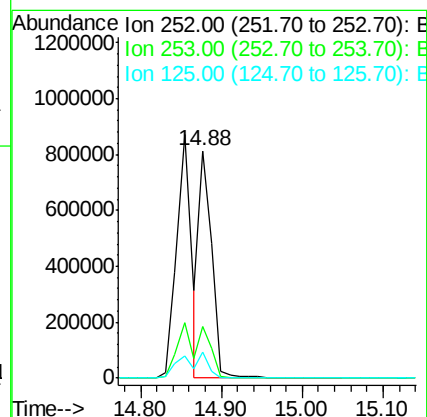
Tgt Ion:252 Resp: 939511

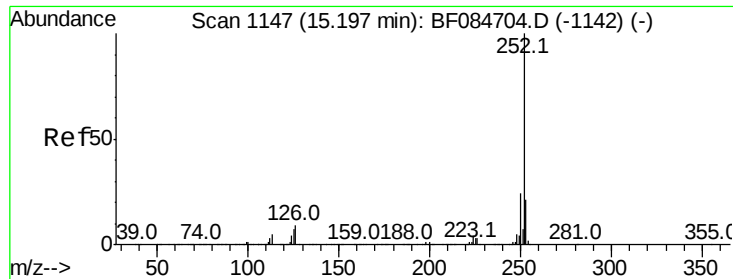
Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

125 11.5 9.0 13.6





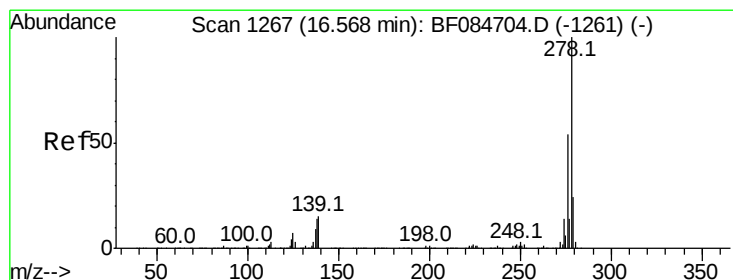
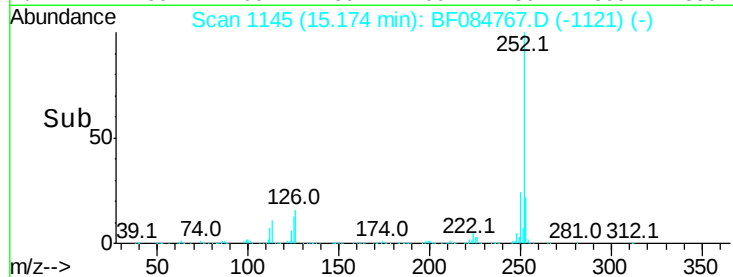
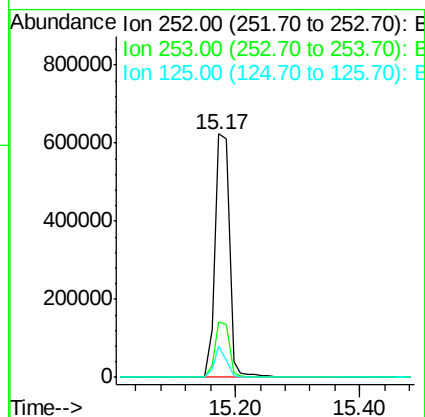
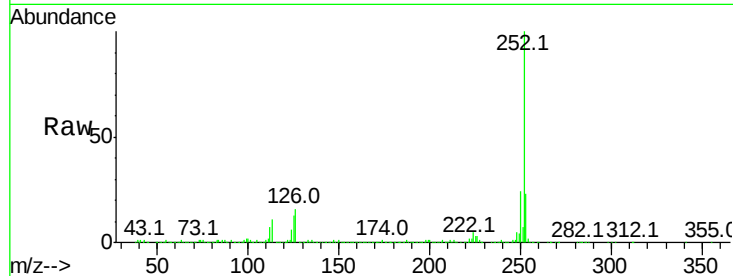
#89  
Benzo(a)pyrene  
Concen: 48.26 ng  
RT: 15.17 min Scan# 1145  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B012(10-12.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.3  | 25.9  |
| 125     | 13.0  | 7.0   | 10.4  |

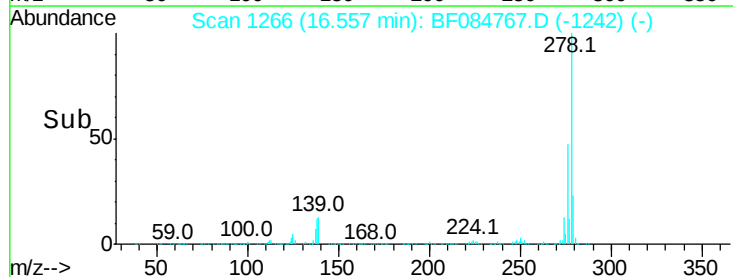
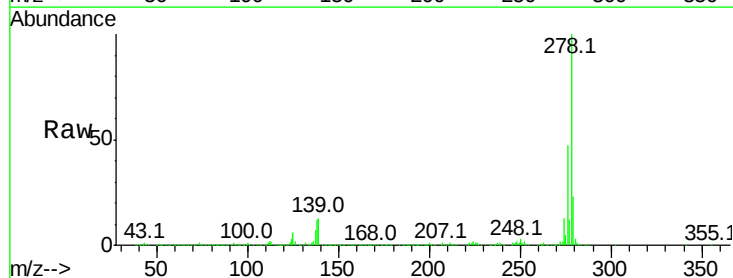
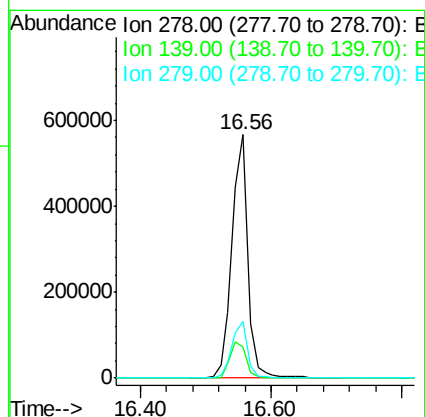
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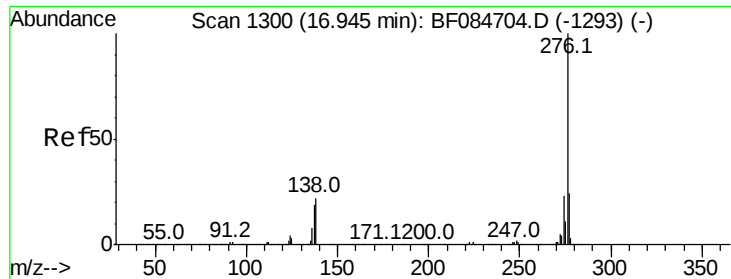
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#90  
Dibenzo(a,h)anthracene  
Concen: 55.87 ng  
RT: 16.56 min Scan# 1266  
Delta R.T. -0.02 min  
Lab File: BF084767.D  
Acq: 3 Feb 2016 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.6  | 15.0  | 22.4  |
| 279     | 23.5  | 18.9  | 28.3  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 58.16 ng  
 RT: 16.93 min Scan# 1299  
 Delta R.T. -0.02 min  
 Lab File: BF084767.D  
 Acq: 3 Feb 2016 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(10-12.5)MSD

Tot Ion:276 Resp: 1003623  
 Ion Ratio Lower Upper  
 276 100  
 277 23.7 18.8 28.2  
 138 18.5 17.8 26.6

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