

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\  
 Data File : BF083510.D  
 Acq On : 5 Dec 2015 12:58  
 Operator : UM/IZ  
 Sample : G4595-03MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

Manual Integrations  
 APPROVED

Mmdadoda  
 12/7/2015 6:30:54 PM

Quant Time: Dec 07 01:13:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 05 04:12:46 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.77  | 152  | 126601   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.68  | 136  | 499423   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.46 | 164  | 248933   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.85 | 188  | 482237   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 17.05 | 240  | 428274   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 18.67 | 264  | 356580   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 4.03  | 112 | 484869  | 58.10  | ng | 0.00 |
| 7) Phenol-d6             | 5.32  | 99  | 390851  | 33.99  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 6.60  | 82  | 969140  | 90.71  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.76 | 330 | 320464  | 139.56 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.42  | 172 | 1569689 | 85.53  | ng | 0.00 |
| 78) Terphenyl-d14        | 15.49 | 244 | 1621961 | 84.27  | ng | 0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.88 | 88  | 69387   | 15.85 | ng | # 91   |
| 3) Pyridine                    | 2.35 | 79  | 142625  | 13.65 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.29 | 42  | 87056   | 16.55 | ng | 94     |
| 6) Aniline                     | 5.32 | 93  | 298679  | 19.96 | ng | 94     |
| 8) 2-Chlorophenol              | 5.48 | 128 | 324327  | 34.95 | ng | 99     |
| 9) Benzaldehyde                | 5.16 | 77  | 145404  | 22.06 | ng | 91     |
| 10) Phenol                     | 5.34 | 94  | 181258  | 13.48 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 5.42 | 93  | 419841  | 42.13 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 5.69 | 146 | 394107  | 38.29 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 5.79 | 146 | 398647  | 37.93 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.01 | 146 | 378017  | 39.11 | ng | 99     |
| 15) Benzyl Alcohol             | 6.01 | 79  | 241219  | 30.24 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.20 | 45  | 770517  | 41.71 | ng | 90     |
| 17) 2-Methylphenol             | 6.20 | 107 | 220873  | 28.84 | ng | # 91   |
| 18) Hexachloroethane           | 6.49 | 117 | 139094  | 37.92 | ng | # 86   |
| 19) n-Nitroso-di-n-propylamine | 6.40 | 70  | 355991  | 46.41 | ng | 93     |
| 20) 3+4-Methylphenols          | 6.44 | 107 | 266953  | 26.83 | ng | 94     |
| 22) Acetophenone               | 6.37 | 105 | 604571  | 42.02 | ng | # 95   |
| 24) Nitrobenzene               | 6.62 | 77  | 516445  | 43.89 | ng | 99     |
| 25) Isophorone                 | 6.99 | 82  | 902605  | 43.99 | ng | 96     |
| 26) 2-Nitrophenol              | 7.10 | 139 | 201090  | 43.31 | ng | 100    |
| 27) 2,4-Dimethylphenol         | 7.23 | 122 | 331037  | 40.35 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.36 | 93  | 537930  | 47.04 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.50 | 162 | 329001  | 44.41 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 7.60 | 180 | 334035  | 40.78 | ng | 100    |
| 31) Naphthalene                | 7.71 | 128 | 1169525 | 43.99 | ng | 99     |
| 32) Benzoic acid               | 7.46 | 122 | 52165   | 13.69 | ng | 94     |
| 33) 4-Chloroaniline            | 7.84 | 127 | 263714  | 25.36 | ng | # 92   |
| 34) Hexachlorobutadiene        | 7.92 | 225 | 182123  | 37.63 | ng | 98     |
| 35) Caprolactam                | 8.43 | 113 | 16462   | 6.99  | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 333093  | 39.95 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 771196  | 46.91 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.08 | 216 | 339489  | 41.47 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.06 | 237 | 197579  | 63.96 | ng | 98     |

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 BNA\_F  
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 20151124MGP211BRV71MSD

Manual Integrations  
 APPROVED

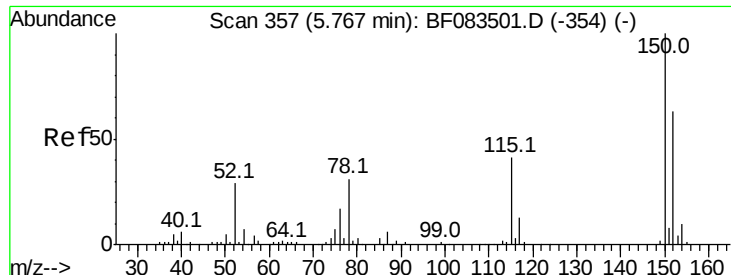
Mmdadoda  
 12/7/2015 6:30:54 PM

Quant Time: Dec 07 01:13:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 05 04:12:46 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.29  | 196  | 230310   | 44.81 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.37  | 196  | 247711   | 46.79 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.57  | 154  | 931091   | 42.09 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.58  | 162  | 736452   | 44.18 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.78  | 65   | 291655   | 49.12 | nq    | 98       |
| 48) Acenaphthylene             | 10.24 | 152  | 1206957  | 44.22 | nq    | 100      |
| 49) Dimethylphthalate          | 10.12 | 163  | 916146   | 46.76 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 10.20 | 165  | 198865   | 48.20 | nq    | # 75     |
| 51) Acenaphthene               | 10.52 | 154  | 733831   | 46.72 | nq    | 98       |
| 52) 3-Nitroaniline             | 10.45 | 138  | 123436   | 27.75 | nq    | 98       |
| 53) 2,4-Dinitrophenol          | 10.65 | 184  | 194475   | 90.43 | nq    | 97       |
| 54) Dibenzofuran               | 10.81 | 168  | 1082079  | 49.73 | nq    | 99       |
| 55) 4-Nitrophenol              | 10.85 | 139  | 77449m   | 30.92 | nq    |          |
| 56) 2,4-Dinitrotoluene         | 10.85 | 165  | 271118   | 50.32 | nq    | # 77     |
| 57) Fluorene                   | 11.36 | 166  | 869151   | 45.91 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.04 | 232  | 204846   | 51.74 | nq    | # 100    |
| 59) Diethylphthalate           | 11.25 | 149  | 884865   | 46.93 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 11.38 | 204  | 403478   | 44.47 | nq    | 99       |
| 61) 4-Nitroaniline             | 11.46 | 138  | 188334   | 46.73 | nq    | 91       |
| 62) Azobenzene                 | 11.64 | 77   | 1107043  | 55.03 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 11.52 | 198  | 143058   | 44.26 | nq    | # 75     |
| 65) n-Nitrosodiphenylamine     | 11.60 | 169  | 736367   | 46.12 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 12.17 | 248  | 233287   | 44.27 | nq    | 98       |
| 67) Hexachlorobenzene          | 12.24 | 284  | 257255   | 45.67 | nq    | 98       |
| 68) Atrazine                   | 12.51 | 200  | 239257   | 49.56 | nq    | 99       |
| 69) Pentachlorophenol          | 12.59 | 266  | 252777   | 97.68 | nq    | 96       |
| 70) Phenanthrene               | 12.90 | 178  | 1304131  | 46.46 | nq    | 99       |
| 71) Anthracene                 | 12.98 | 178  | 1340294  | 46.82 | nq    | 99       |
| 72) Carbazole                  | 13.28 | 167  | 1221693  | 49.70 | nq    | 98       |
| 73) Di-n-butylphthalate        | 13.92 | 149  | 1454400  | 49.13 | nq    | 98       |
| 74) Fluoranthene               | 14.82 | 202  | 1378323  | 49.55 | nq    | 99       |
| 76) Benzidine                  | 15.09 | 184  | 86949    | 5.62  | nq    | 98       |
| 77) Pyrene                     | 15.17 | 202  | 1402157  | 43.77 | nq    | 98       |
| 79) Butylbenzylphthalate       | 16.32 | 149  | 627266   | 49.79 | nq    | 91       |
| 80) Benzo(a)anthracene         | 17.04 | 228  | 1185868  | 47.33 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 17.03 | 252  | 220690   | 27.54 | nq    | # 97     |
| 82) Chrysene                   | 17.08 | 228  | 1109648  | 44.45 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 17.16 | 149  | 874373   | 52.89 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 17.93 | 149  | 1367887  | 58.02 | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 19.92 | 276  | 987121   | 46.13 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 18.29 | 252  | 1197309m | 59.79 | nq    |          |
| 88) Benzo(k)fluoranthene       | 18.33 | 252  | 703157m  | 34.28 | nq    |          |
| 89) Benzo(a)pyrene             | 18.63 | 252  | 919784   | 47.22 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 19.93 | 278  | 836661   | 44.64 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 20.28 | 276  | 837329   | 44.34 | nq    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.77 min Scan# 357

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

20151124MGP211BRV71MSD

Tot Ion:152 Resp: 126601

Ion Ratio Lower Upper

152 100

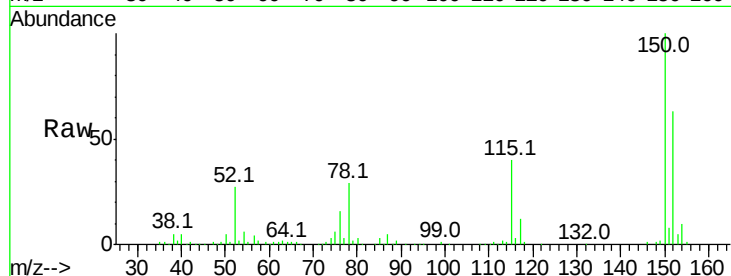
150 159.8 126.5 189.7

115 64.5 52.3 78.5

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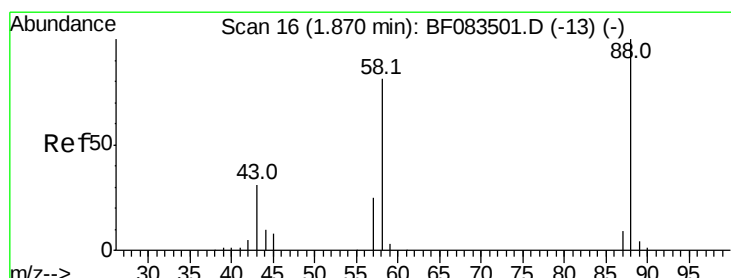
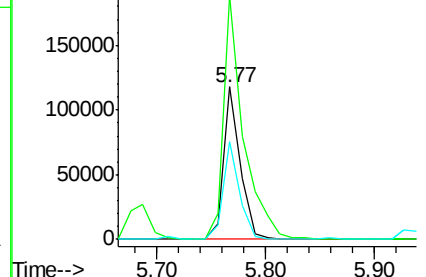
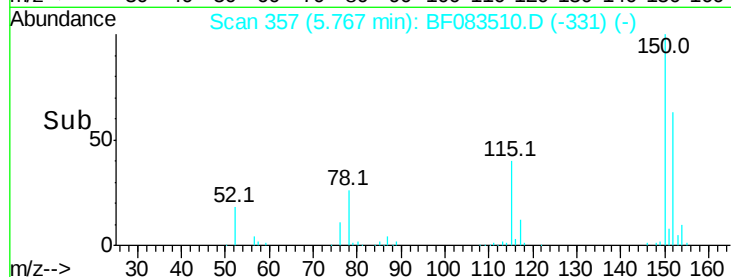
12/7/2015 6:30:54 PM



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: 15.85 ng

RT: 1.88 min Scan# 17

Delta R.T. 0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

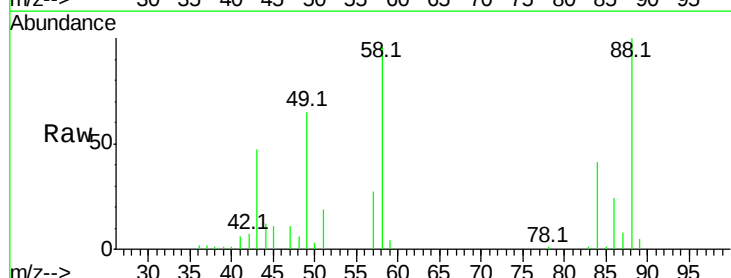
Tgt Ion: 88 Resp: 69387

Ion Ratio Lower Upper

88 100

58 85.4 68.0 102.0

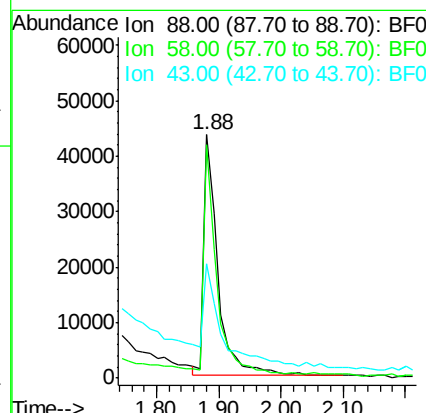
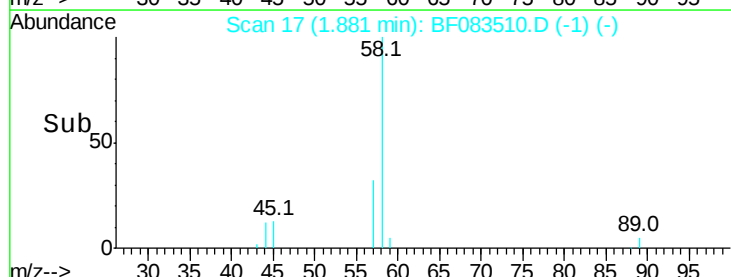
43 52.7 27.9 41.9#

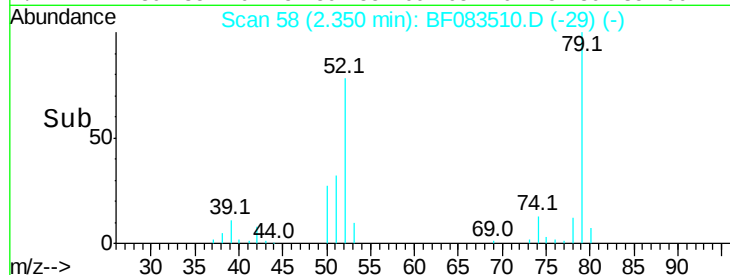
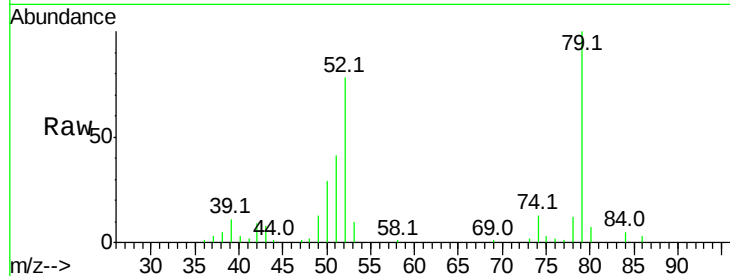
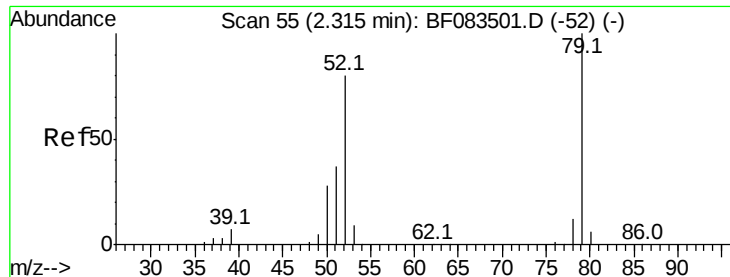


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 13.65 ng

RT: 2.35 min Scan# 58

Delta R.T. 0.03 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 142625 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 78.4  | 63.7  | 95.5   |
| 51        | 40.7  | 30.6  | 45.8   |

Instrument :

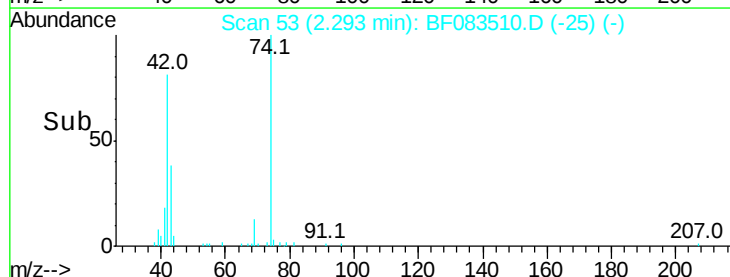
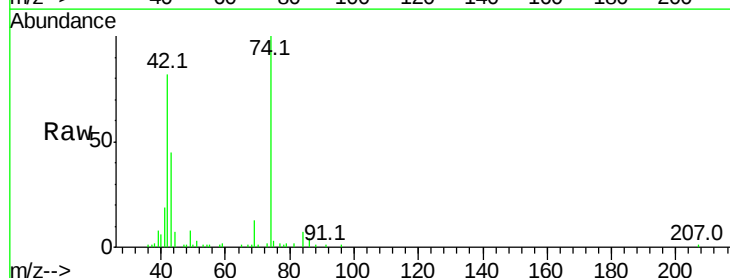
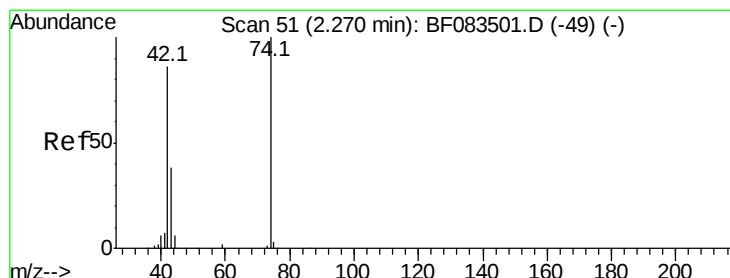
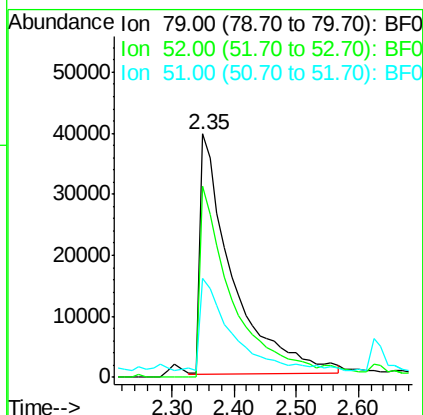
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#4

n-Nitrosodimethylamine

Concen: 16.55 ng

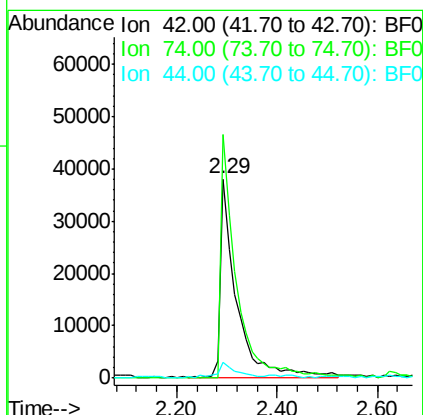
RT: 2.29 min Scan# 53

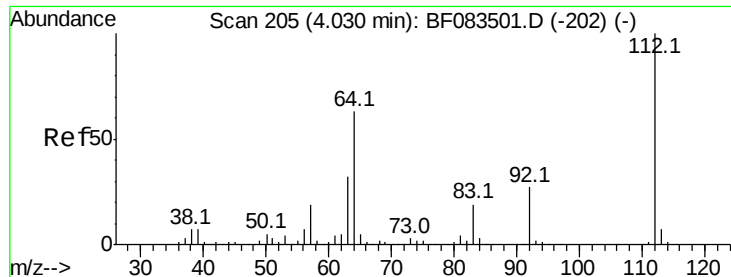
Delta R.T. 0.02 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 87056 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 122.3 | 92.9  | 139.3 |
| 44        | 8.1   | 5.7   | 8.5   |





#5

2-Fluorophenol

Concen: 58.10 ng

RT: 4.03 min Scan# 205

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

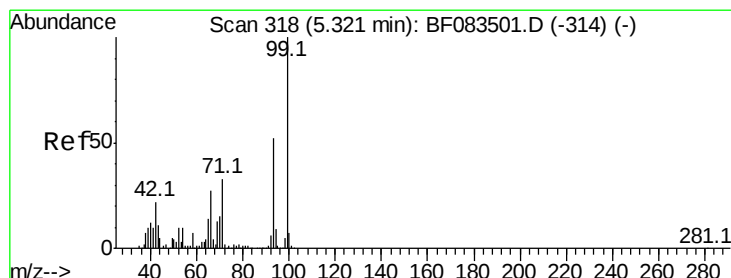
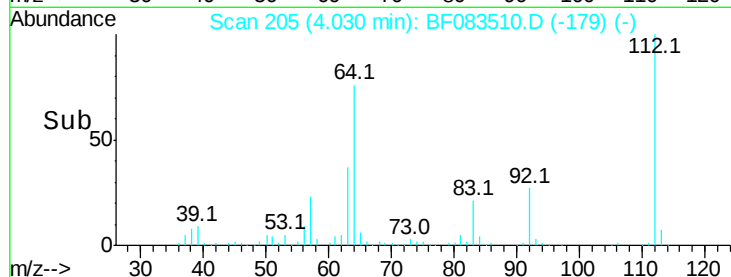
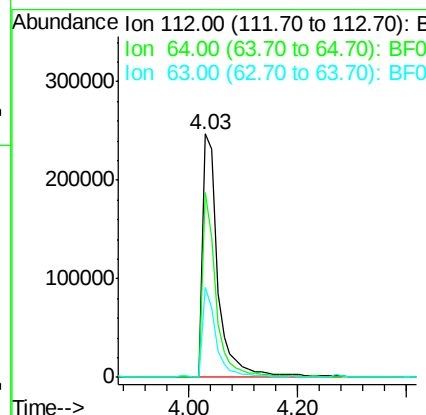
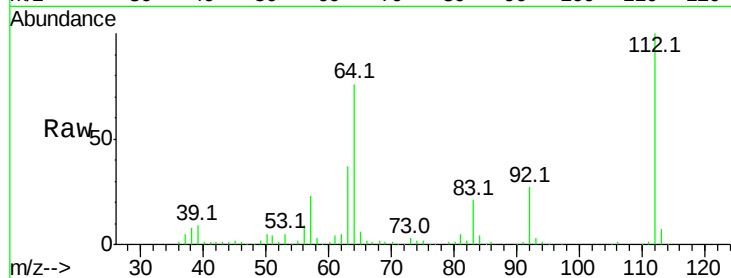
ClientSampleId :

20151124MGP211BRV71MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 484869 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 75.7  | 50.5  | 75.7   |
| 63        | 37.1  | 25.8  | 38.6   |

Manual Integrations  
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12/7/2015 6:30:54 PM



#6

Aniline

Concen: 19.96 ng

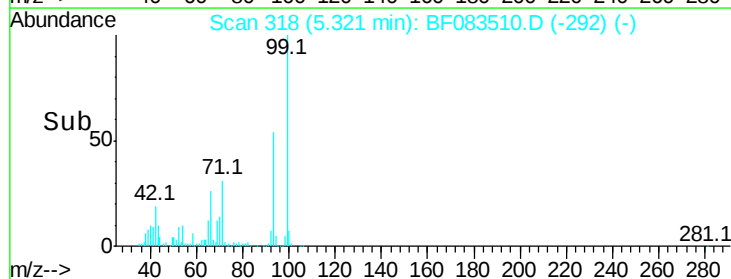
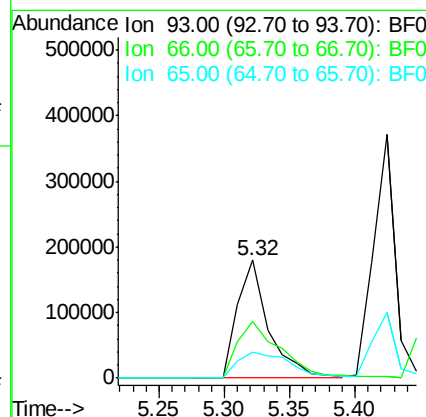
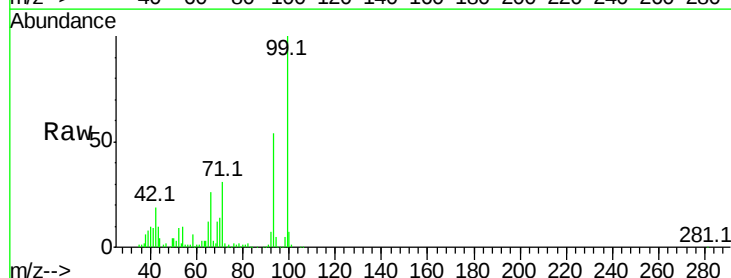
RT: 5.32 min Scan# 318

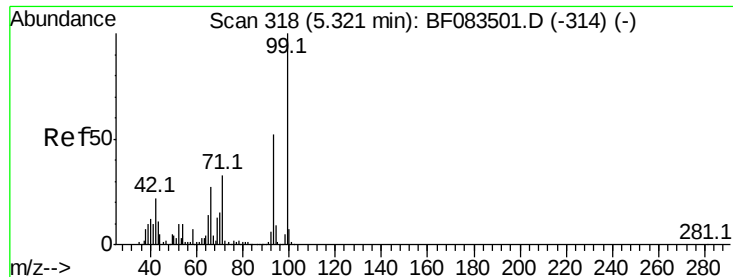
Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 298679 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 48.1  | 41.3  | 61.9   |
| 65        | 22.0  | 20.8  | 31.2   |





#7

Phenol-d6

Concen: 33.99 ng

RT: 5.32 min Scan# 318

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

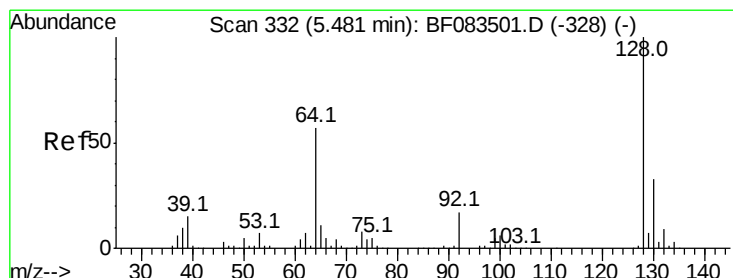
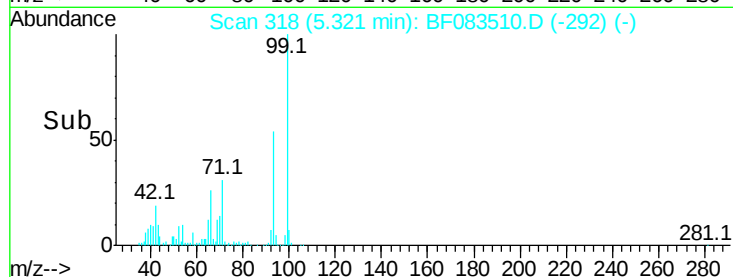
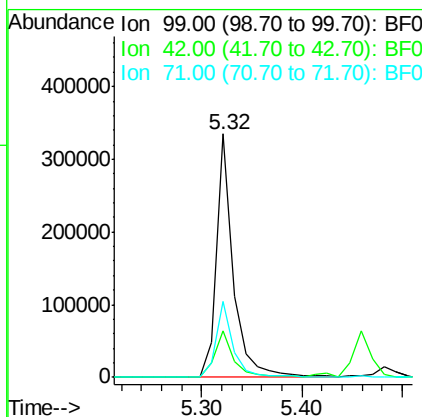
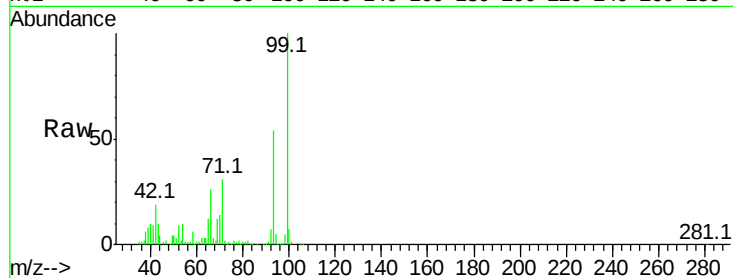
ClientSampleId :

20151124MGP211BRV71MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 390851 |       |       |
| 42      | 19.2 | 17.3  | 25.9   |       |       |
| 71      | 31.4 | 26.6  | 40.0   |       |       |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 34.95 ng

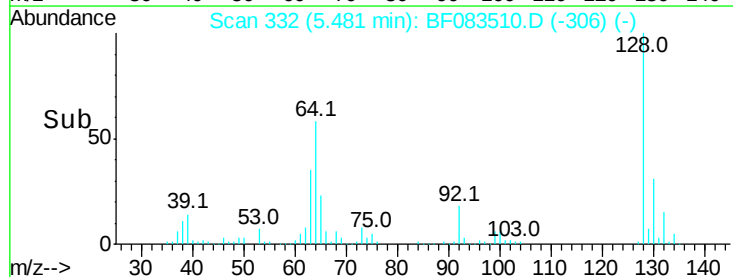
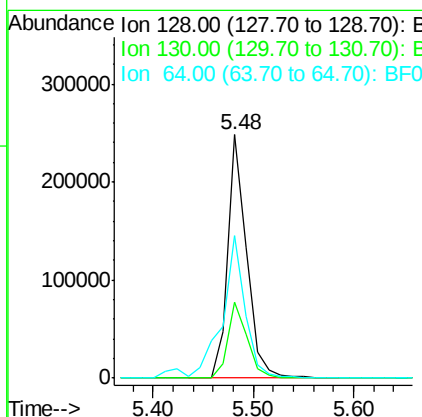
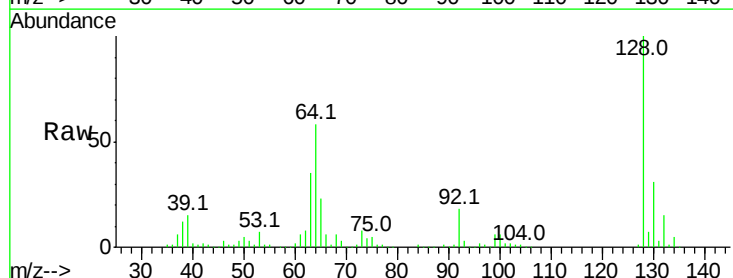
RT: 5.48 min Scan# 332

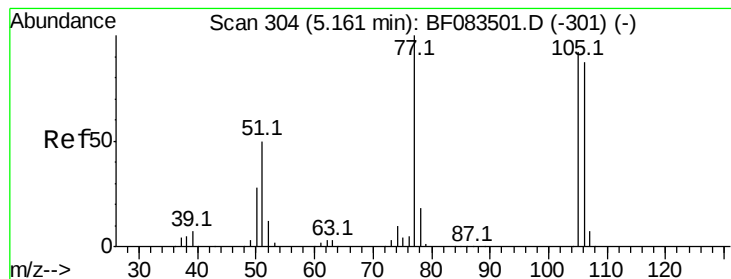
Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 324327 |       |       |
| 130     | 31.4 | 12.6  | 52.6   |       |       |
| 64      | 58.4 | 38.6  | 78.6   |       |       |





#9

Benzaldehyde

Concen: 22.06 ng

RT: 5.16 min Scan# 304

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

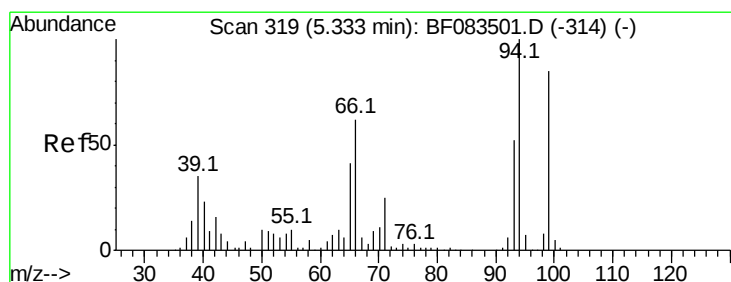
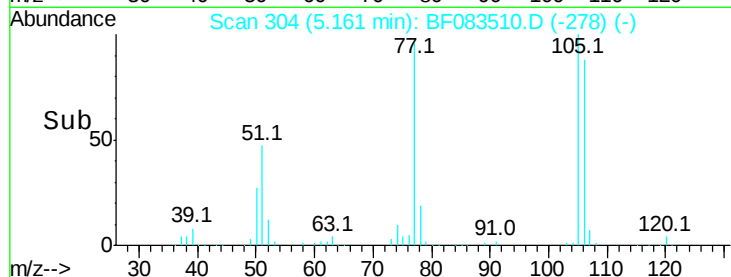
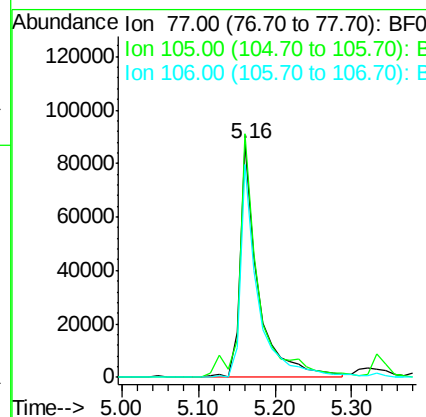
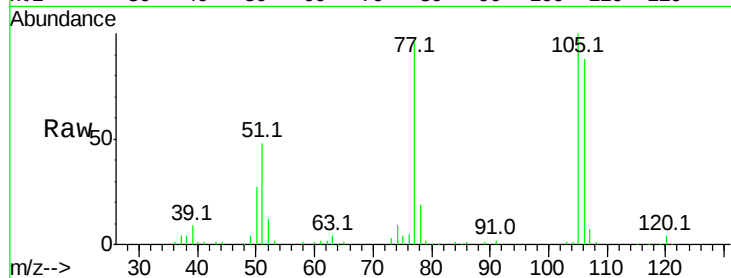
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 145404 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 104.3 | 71.8  | 111.8  |
| 106       | 91.4  | 66.8  | 106.8  |



#10

Phenol

Concen: 13.48 ng

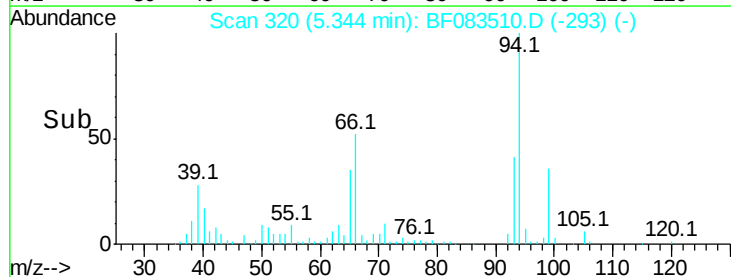
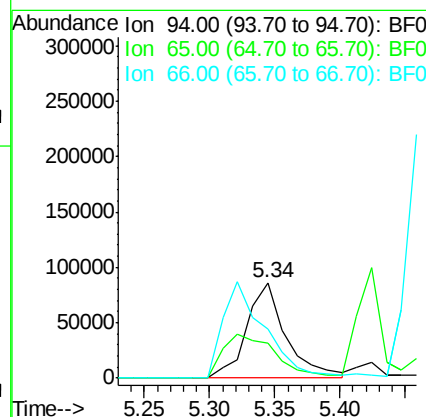
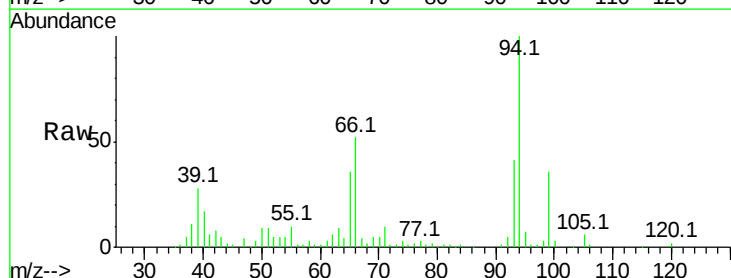
RT: 5.34 min Scan# 320

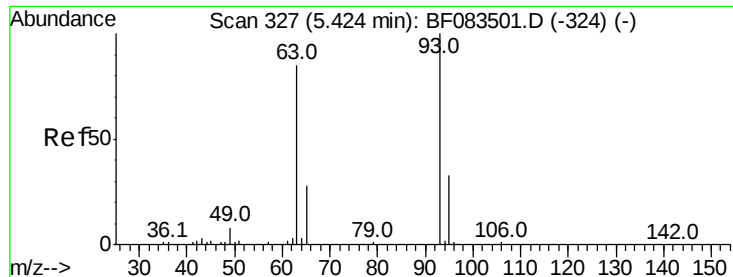
Delta R.T. 0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 181258 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 36.0  | 20.9  | 60.9   |
| 66        | 51.6  | 41.6  | 81.6   |





#11

bis(2-Chloroethyl)ether

Concen: 42.13 ng

RT: 5.42 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

20151124MGP211BRV71MSD

Tot Ion: 93 Resp: 419841

Ion Ratio Lower Upper

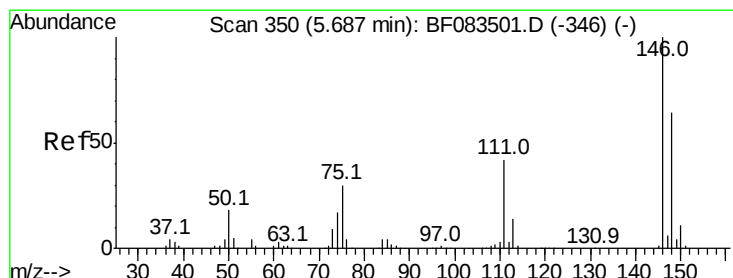
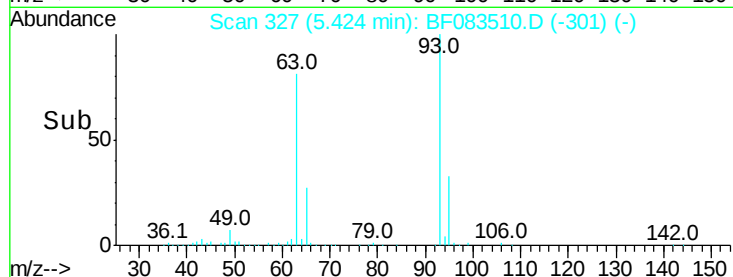
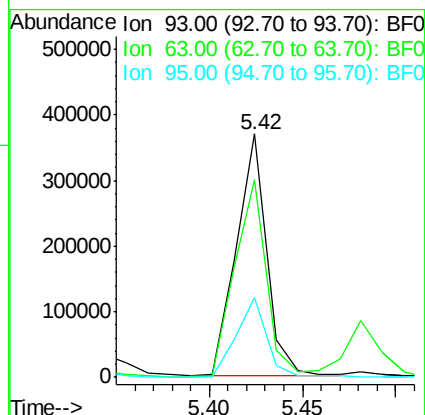
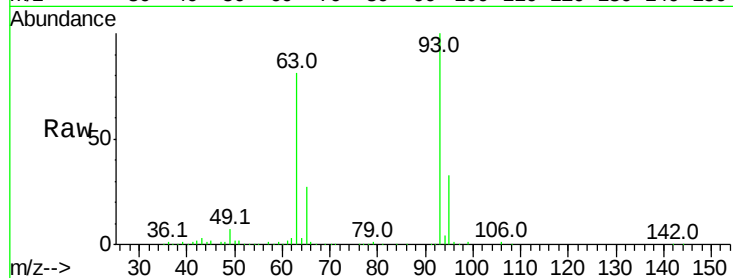
93 100

63 81.1 64.7 104.7

95 32.7 12.7 52.7

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#12

1,3-Dichlorobenzene

Concen: 38.29 ng

RT: 5.69 min Scan# 350

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

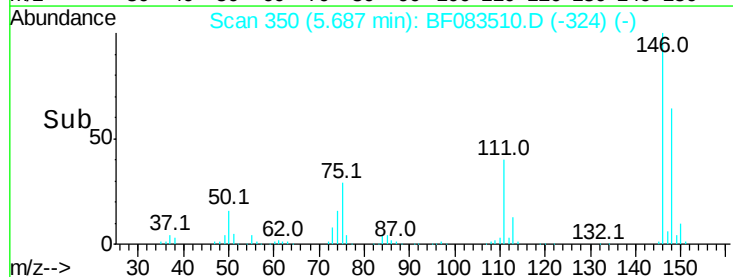
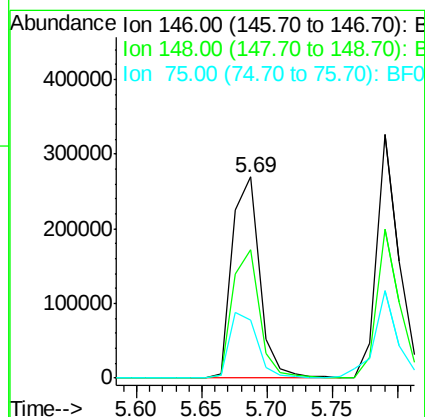
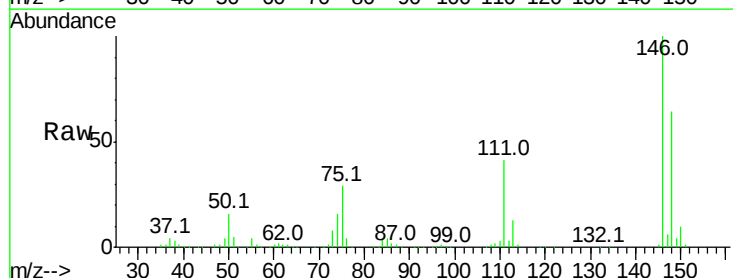
Tgt Ion: 146 Resp: 394107

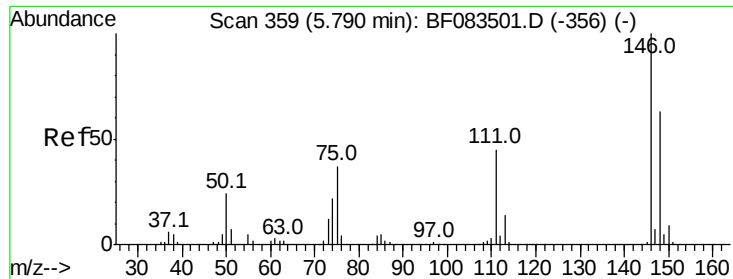
Ion Ratio Lower Upper

146 100

148 63.5 51.3 76.9

75 28.6 24.1 36.1





#13

1,4-Dichlorobenzene

Concen: 37.93 ng

RT: 5.79 min Scan# 359

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

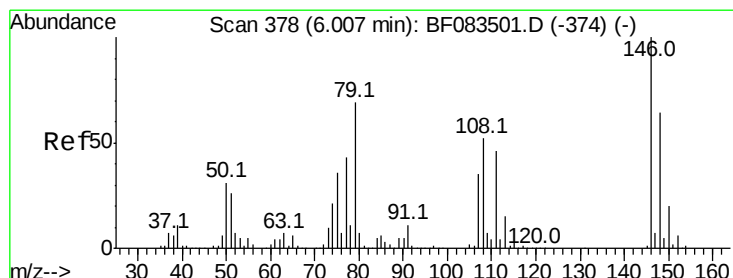
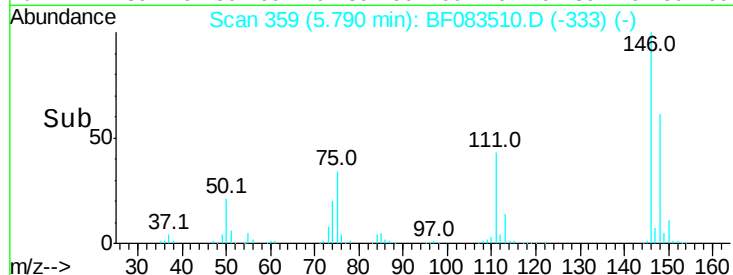
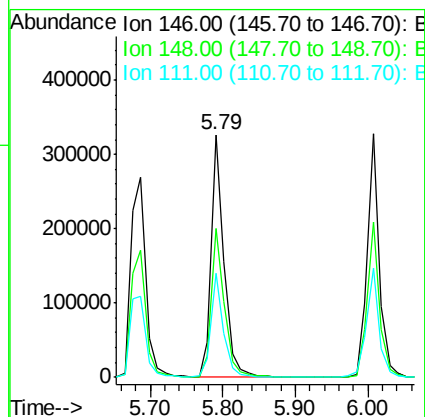
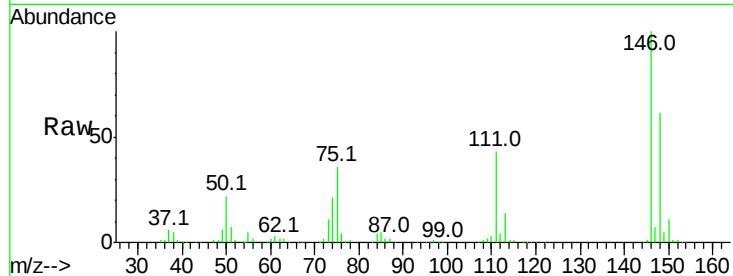
ClientSampleId :

20151124MGP211BRV71MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 398647 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 61.2  | 50.6  | 76.0   |
| 111       | 43.0  | 36.1  | 54.1   |

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#14

1,2-Dichlorobenzene

Concen: 39.11 ng

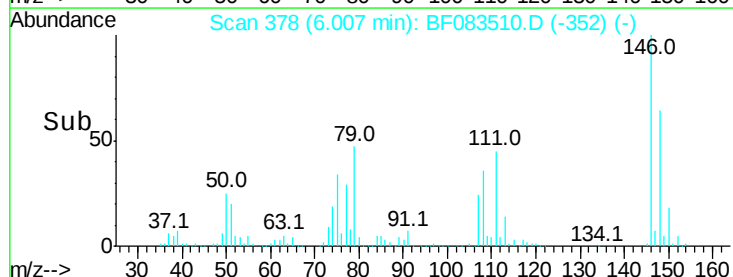
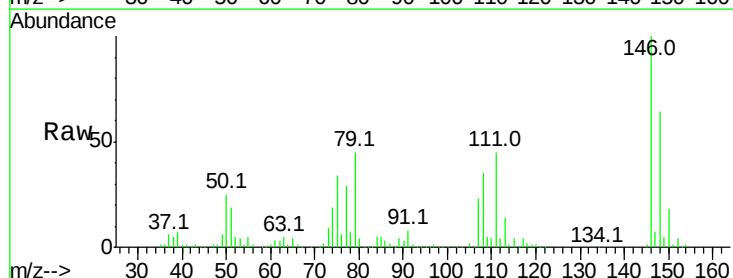
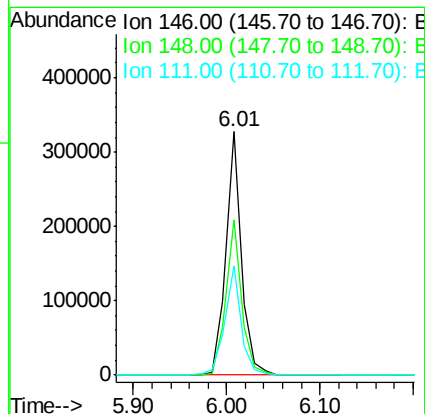
RT: 6.01 min Scan# 378

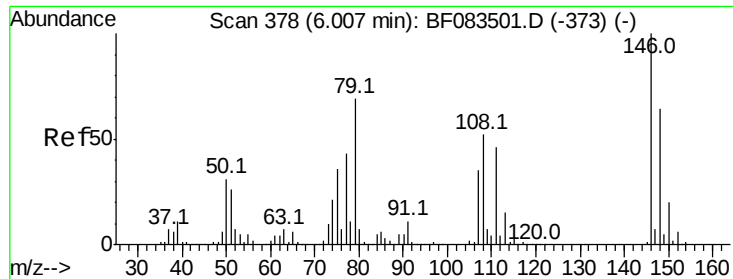
Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 378017 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.7  | 51.4  | 77.0   |
| 111       | 44.9  | 36.7  | 55.1   |





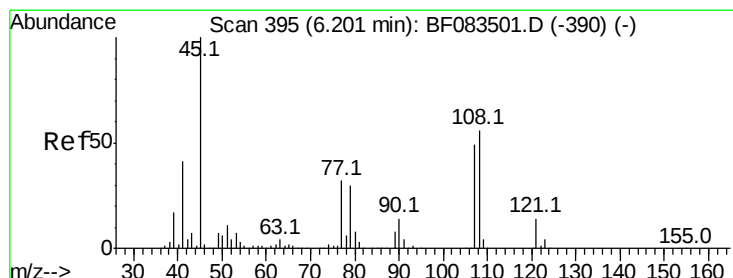
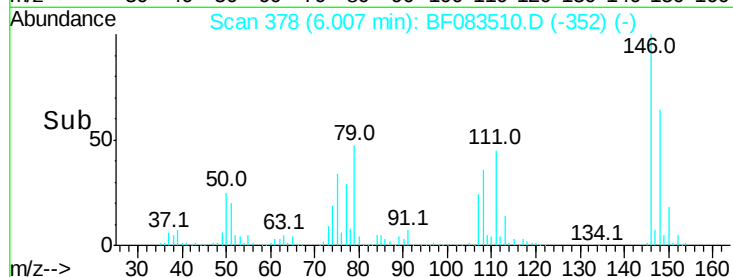
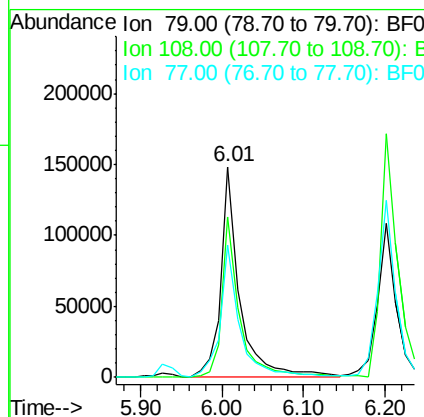
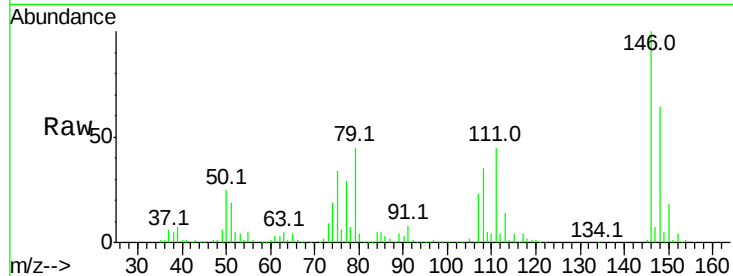
#15  
Benzyl Alcohol  
Concen: 30.24 ng  
RT: 6.01 min Scan# 378  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 241219 |       |       |
| 108     | 76.1  | 59.6   | 89.4  |       |
| 77      | 62.9  | 49.8   | 74.6  |       |

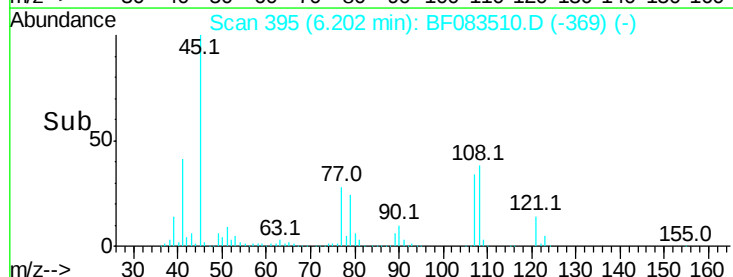
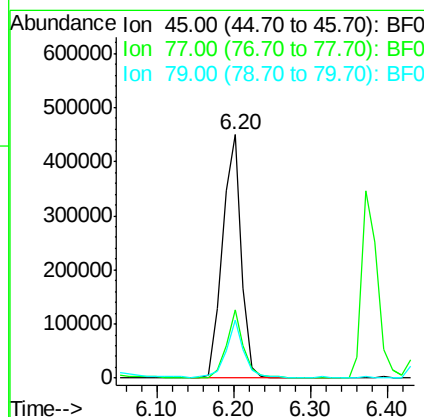
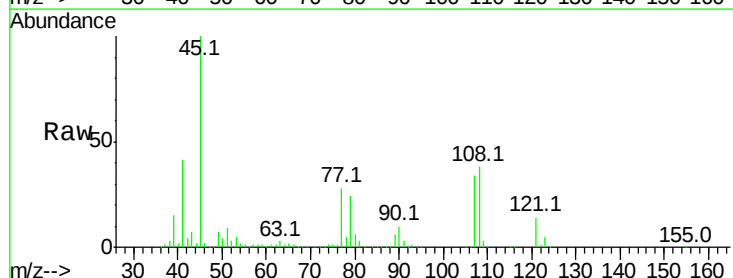
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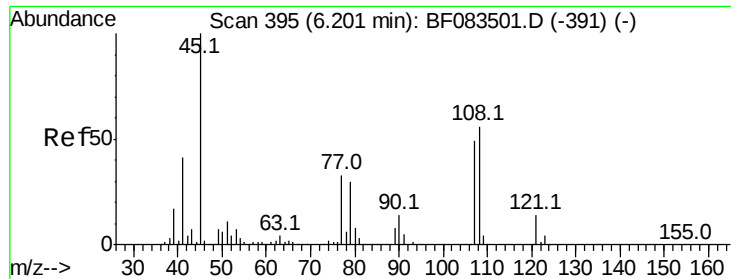
Mmdadoda  
12/7/2015 6:30:54 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.71 ng  
RT: 6.20 min Scan# 395  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 770517 |       |       |
| 77      | 27.8  | 12.8   | 52.8  |       |
| 79      | 24.0  | 10.7   | 50.7  |       |





#17

2-Methylphenol

Concen: 28.84 ng

RT: 6.20 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

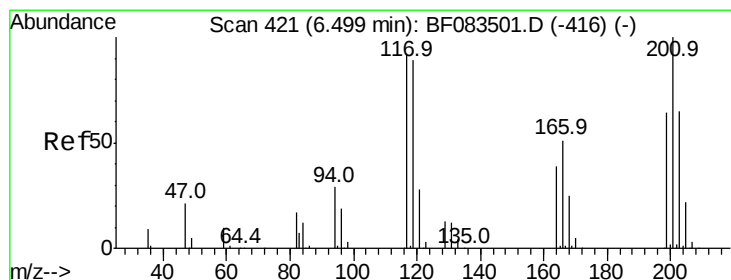
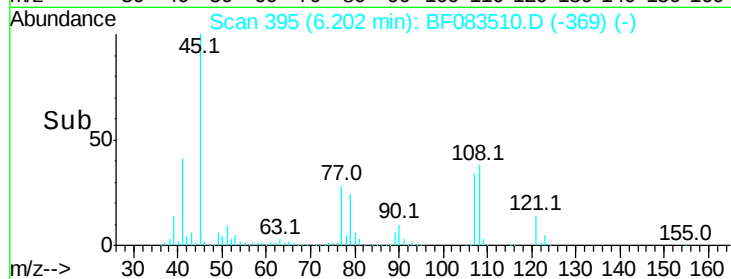
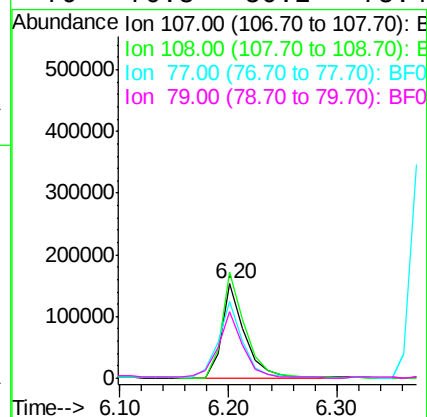
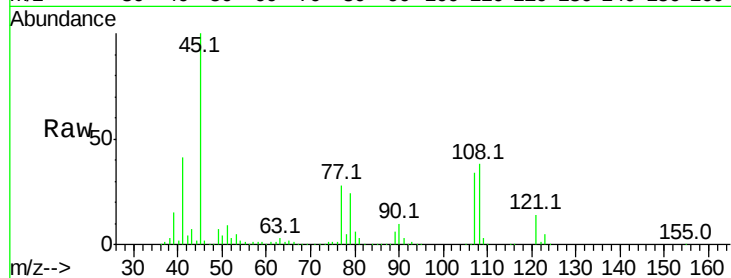
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| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.3 | 91.6 | 137.4 |       |
| 77      | 81.9  | 53.7 | 80.5  |       |
| 79      | 70.8  | 50.2 | 75.4  |       |



#18

Hexachloroethane

Concen: 37.92 ng

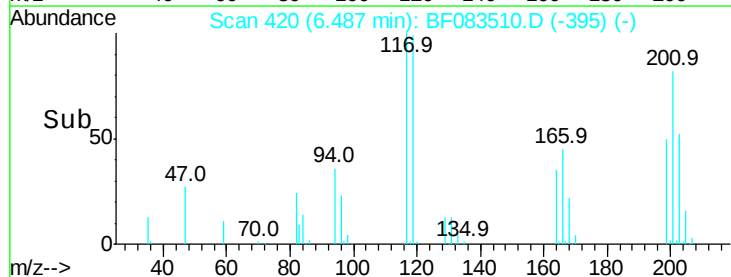
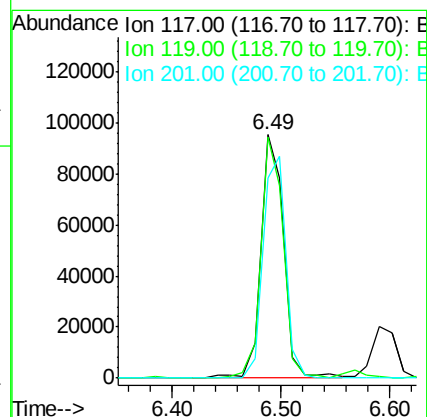
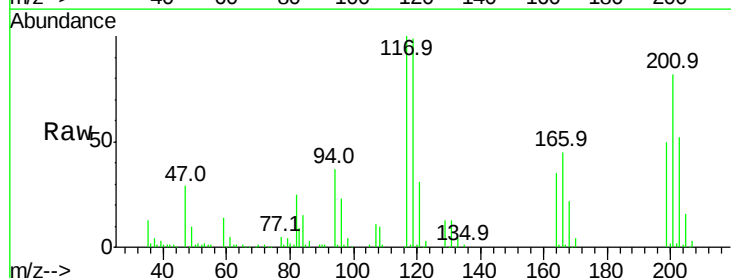
RT: 6.49 min Scan# 420

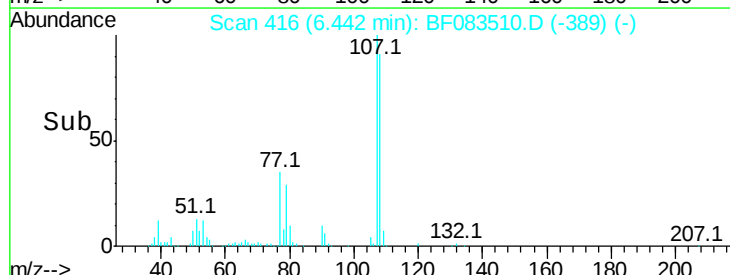
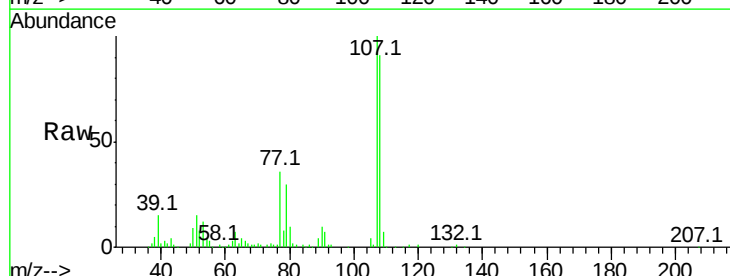
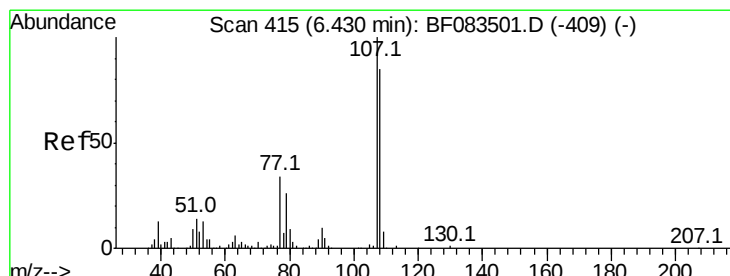
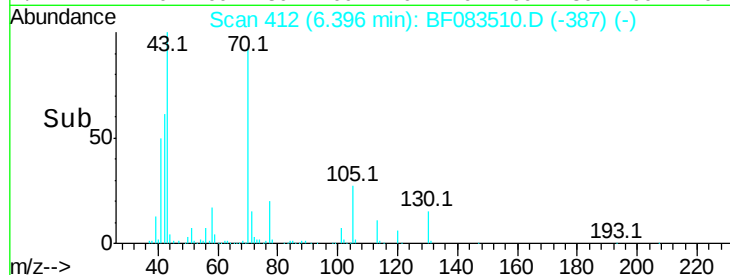
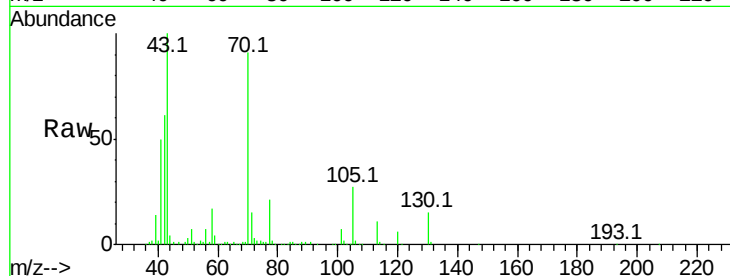
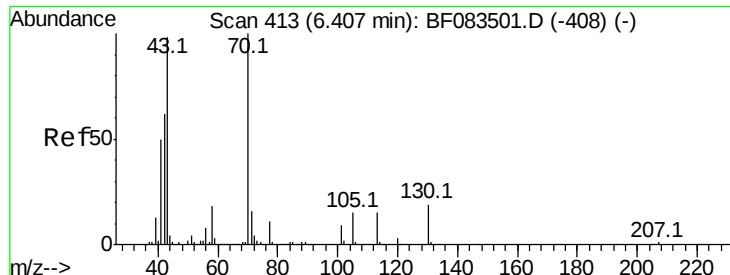
Delta R.T. -0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 99.1  | 77.2 | 115.8 |       |
| 201     | 82.3  | 86.8 | 130.2 |       |





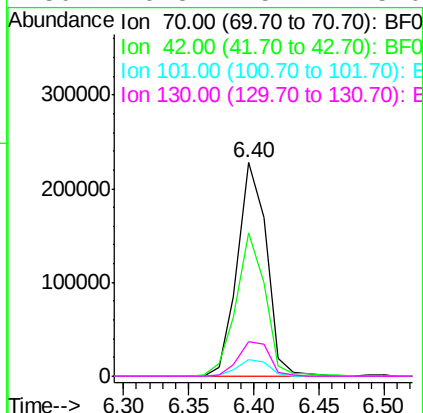
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.41 ng  
RT: 6.40 min Scan# 412  
Delta R.T. -0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 67.2  | 49.2  | 73.8  |
| 101     | 8.0   | 7.1   | 10.7  |
| 130     | 16.3  | 15.4  | 23.0  |

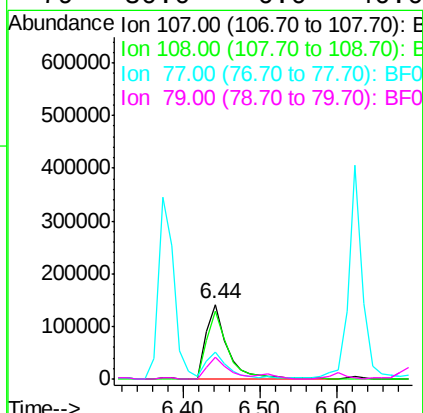
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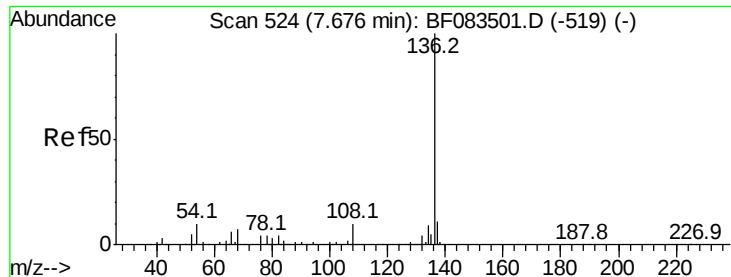
Mmdadoda  
12/7/2015 6:30:54 PM



#20  
3+4-Methylphenols  
Concen: 26.83 ng  
RT: 6.44 min Scan# 416  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 91.2  | 65.2  | 105.2 |
| 77      | 36.0  | 15.2  | 55.2  |
| 79      | 30.0  | 6.0   | 46.0  |





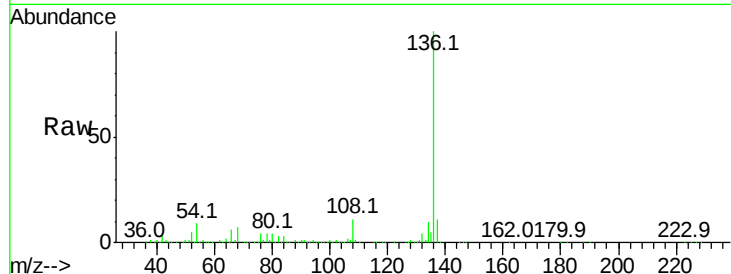
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.68 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

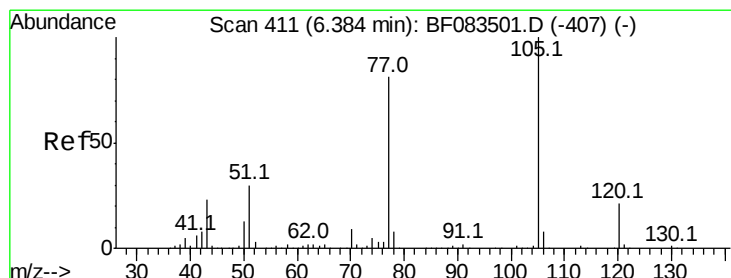
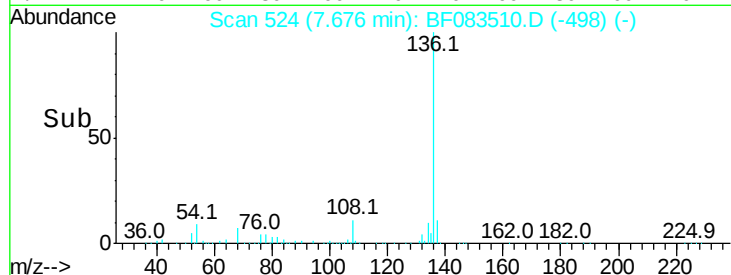
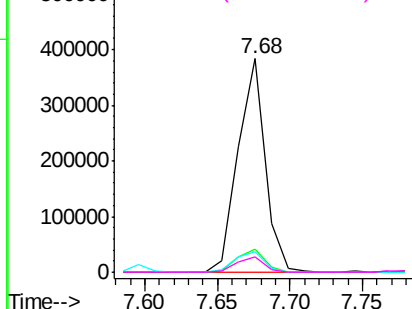
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.7  | 13.1  |       |
| 54      | 9.5   | 7.8  | 11.6  |       |
| 68      | 7.0   | 5.7  | 8.5   |       |

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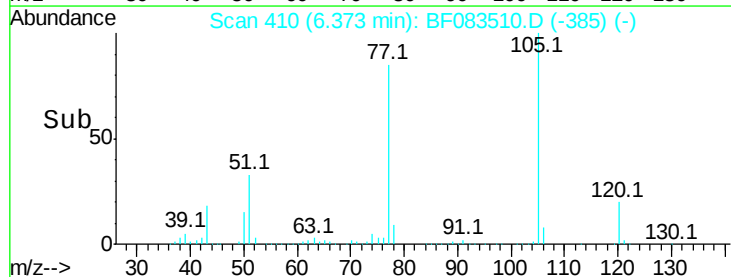
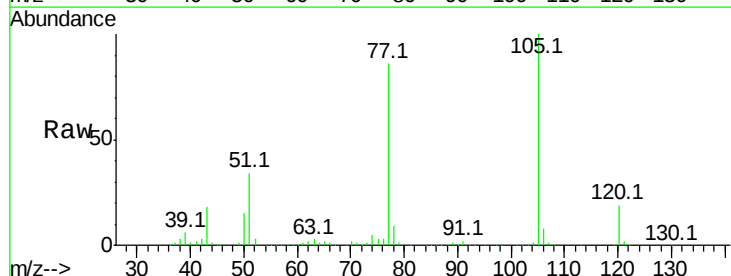
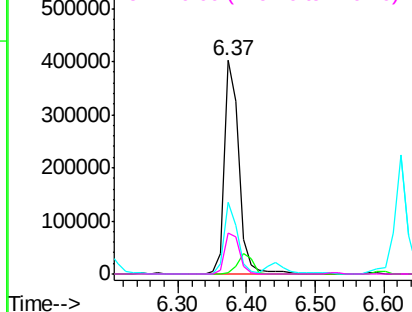
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

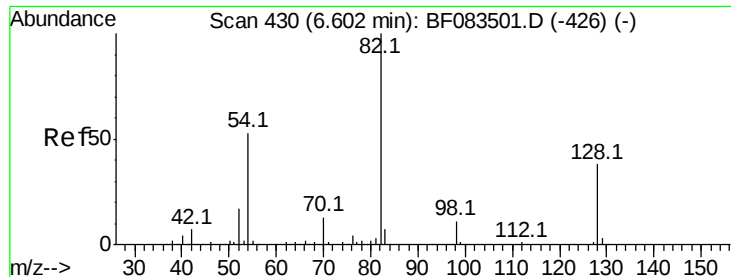


#22  
Acetophenone  
Concen: 42.02 ng  
RT: 6.37 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 0.5   | 1.3  | 1.9#  |       |
| 51      | 33.8  | 23.8 | 35.8  |       |
| 120     | 19.5  | 16.7 | 25.1  |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E





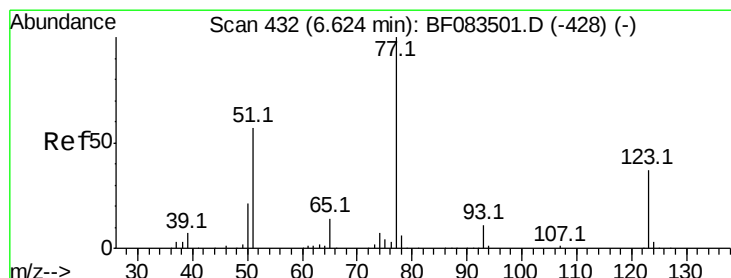
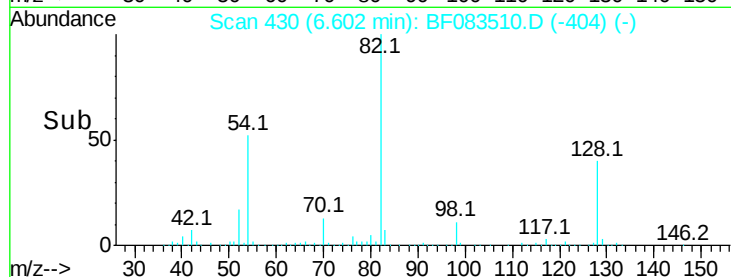
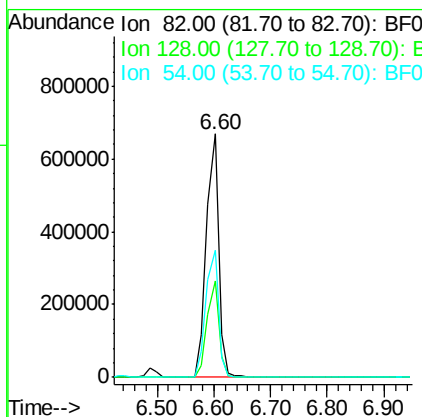
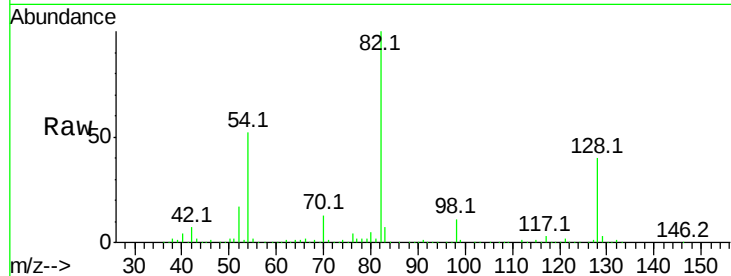
#23  
 Nitrobenzene-d5  
 Concen: 90.71 ng  
 RT: 6.60 min Scan# 430  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 39.8  | 30.7 | 46.1  |       |
| 54      | 52.2  | 42.5 | 63.7  |       |

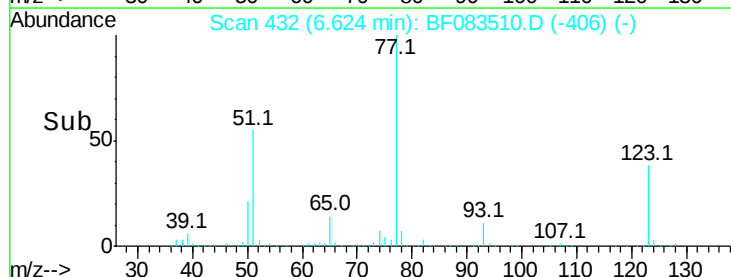
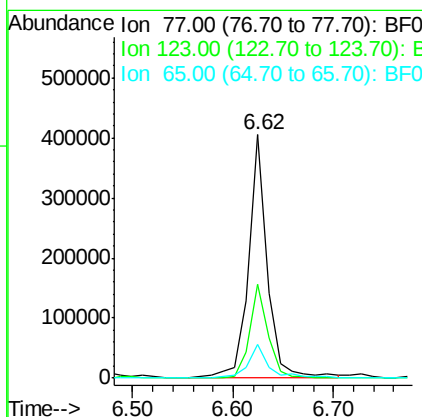
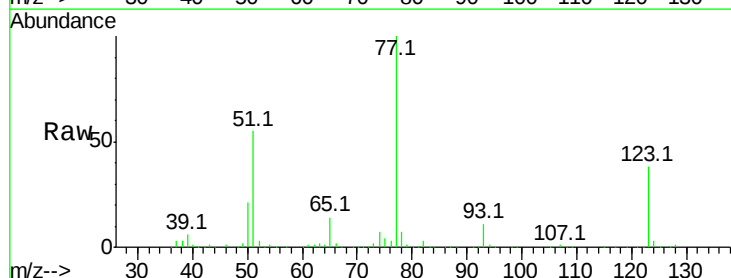
Manual Integrations  
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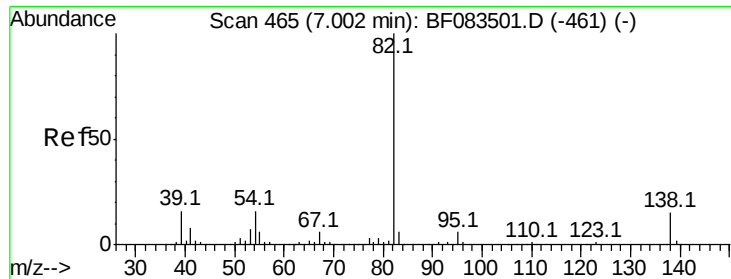
Mmdadoda  
 12/7/2015 6:30:54 PM



#24  
 Nitrobenzene  
 Concen: 43.89 ng  
 RT: 6.62 min Scan# 432  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 38.3  | 29.8 | 44.6  |       |
| 65      | 13.8  | 11.1 | 16.7  |       |





#25

Isophorone

Concen: 43.99 ng

RT: 6.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

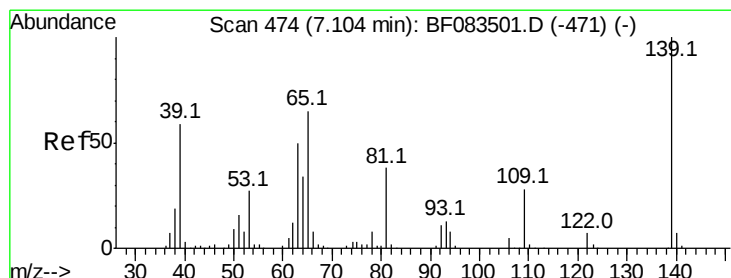
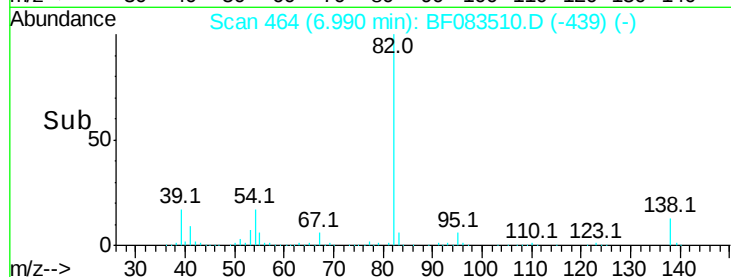
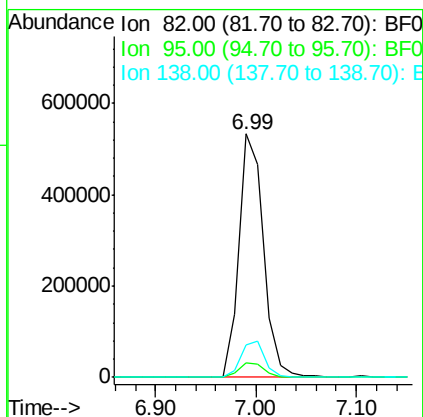
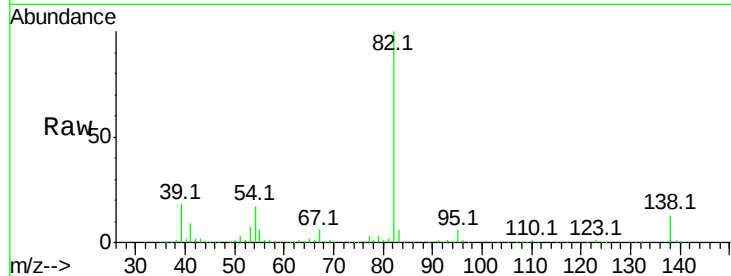
ClientSampleId :

20151124MGP211BRV71MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 902605 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.0   | 5.0   | 7.4    |
| 138       | 13.1  | 12.1  | 18.1   |

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#26

2-Nitrophenol

Concen: 43.31 ng

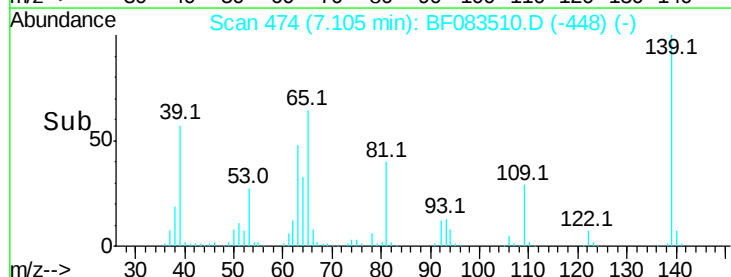
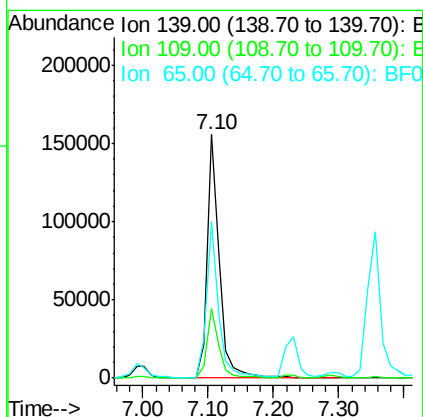
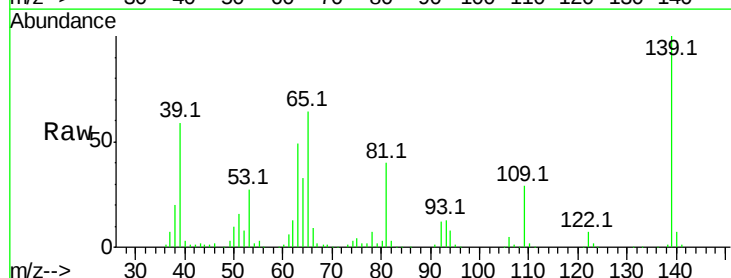
RT: 7.10 min Scan# 474

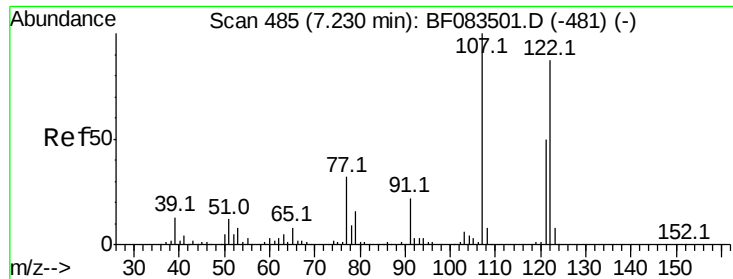
Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 201090 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 28.7  | 22.7  | 34.1   |
| 65        | 64.5  | 51.8  | 77.8   |





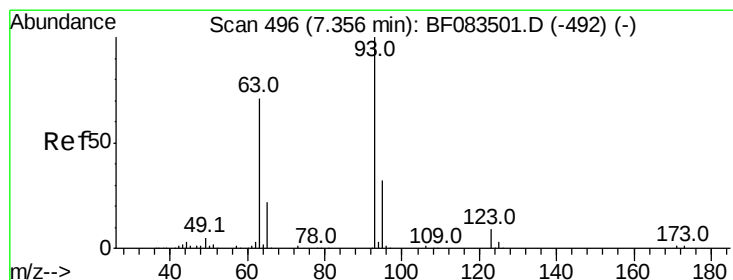
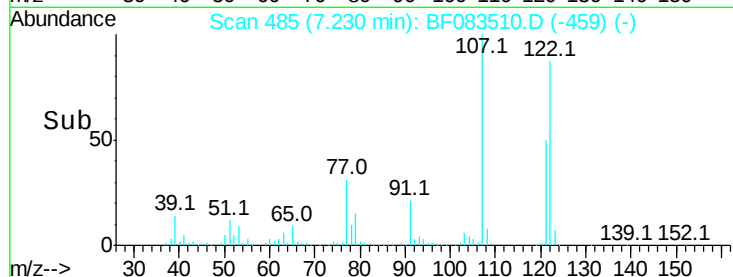
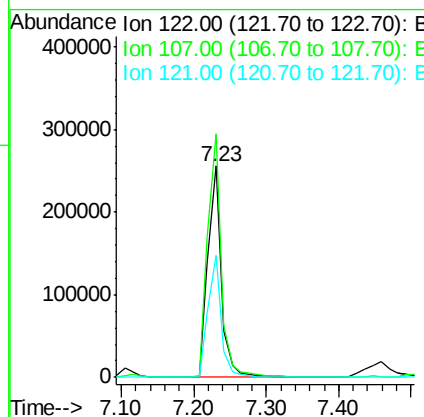
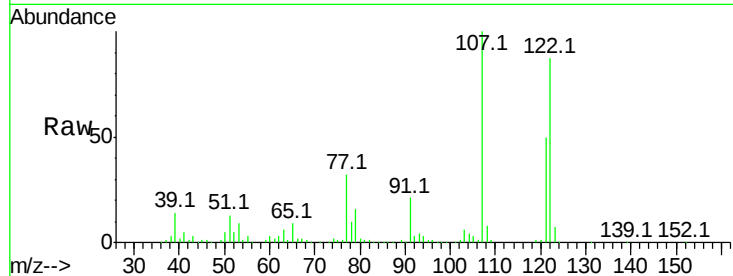
#27  
 2,4-Dimethylphenol  
 Concen: 40.35 ng  
 RT: 7.23 min Scan# 485  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 331037 |       |       |
| 107     | 115.3 | 92.4   | 138.6 |       |
| 121     | 57.8  | 45.8   | 68.6  |       |

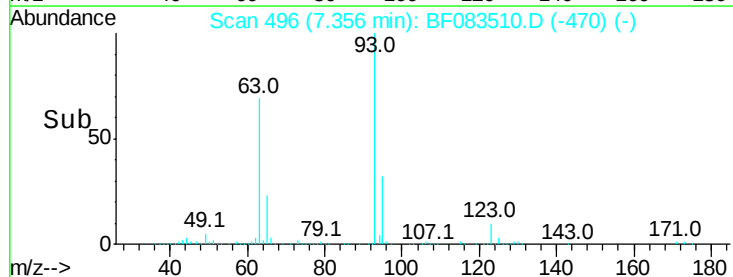
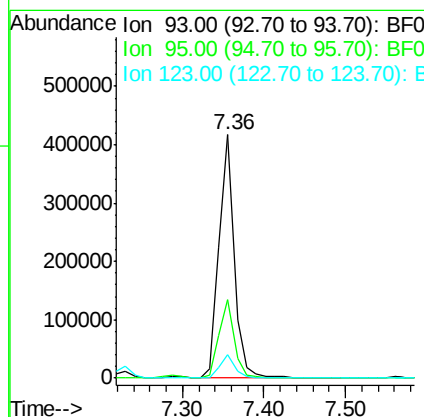
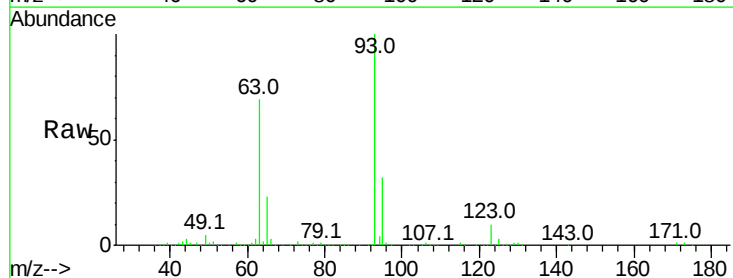
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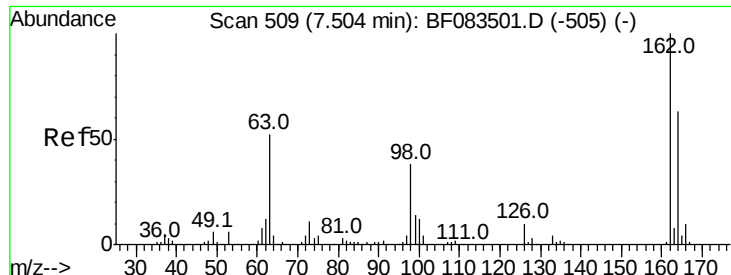
Mmdadoda  
 12/7/2015 6:30:54 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 47.04 ng  
 RT: 7.36 min Scan# 496  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 537930 |       |       |
| 95      | 32.1  | 25.6   | 38.4  |       |
| 123     | 9.6   | 7.3    | 10.9  |       |





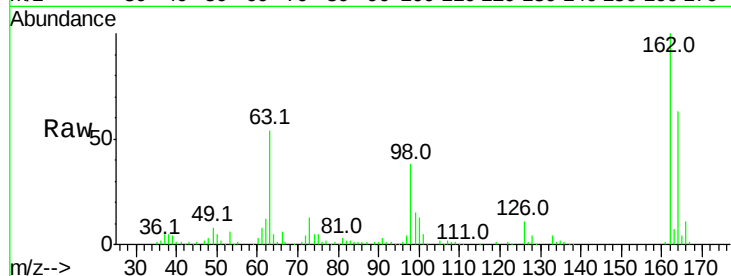
#29  
 2,4-Dichlorophenol  
 Concen: 44.41 ng  
 RT: 7.50 min Scan# 509  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

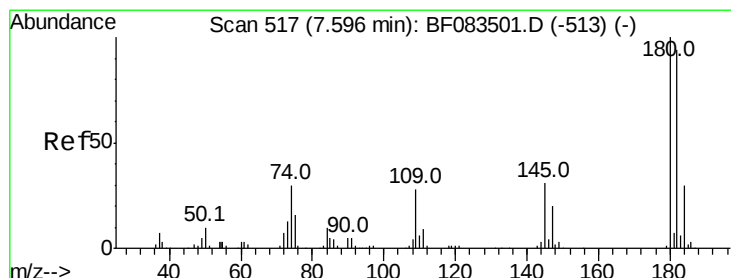
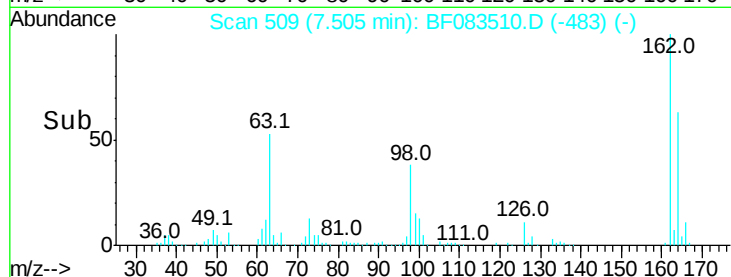
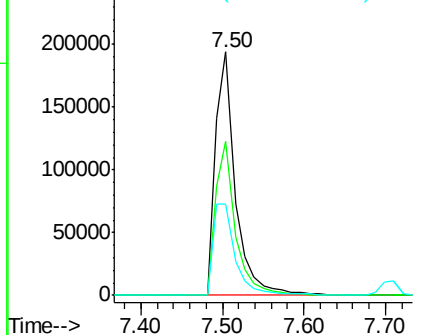
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 329001 |       |       |
| 164     | 63.3  |        | 43.4  | 83.4  |
| 98      | 37.5  |        | 17.5  | 57.5  |

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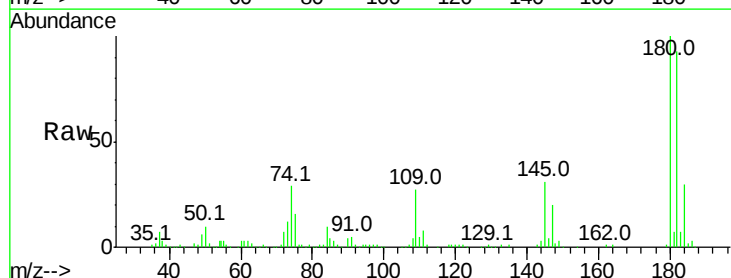


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

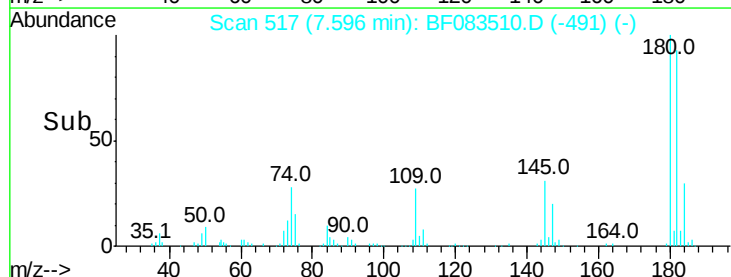
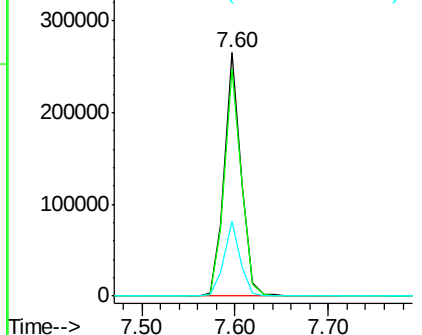


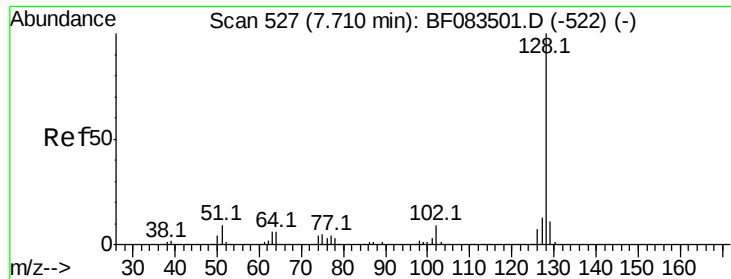
#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.78 ng  
 RT: 7.60 min Scan# 517  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 334035 |       |       |
| 182     | 93.5  |        | 74.9  | 112.3 |
| 145     | 30.7  |        | 24.7  | 37.1  |



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





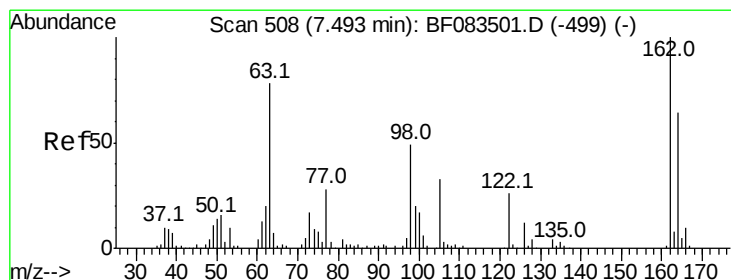
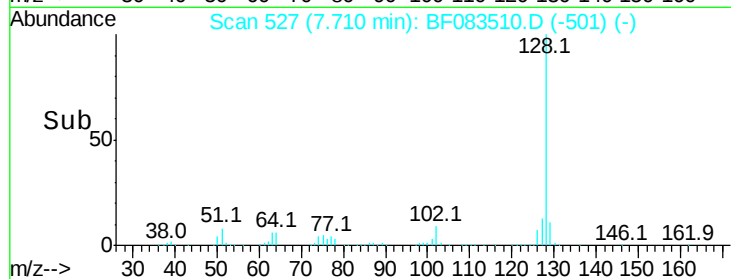
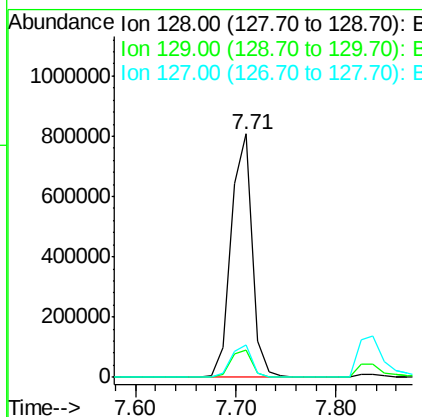
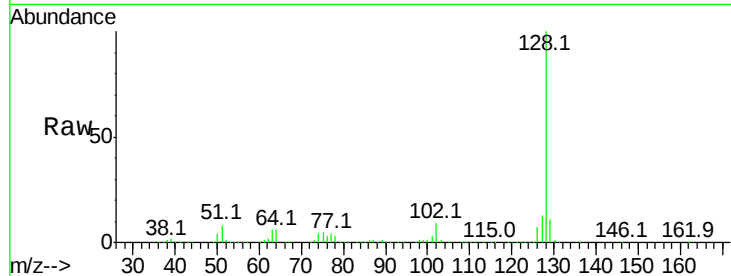
#31  
Naphthalene  
Concen: 43.99 ng  
RT: 7.71 min Scan# 527  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

Tot Ion:128 Resp: 1169525  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.1 10.6 16.0

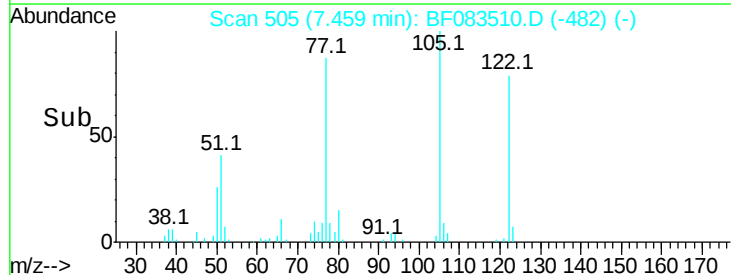
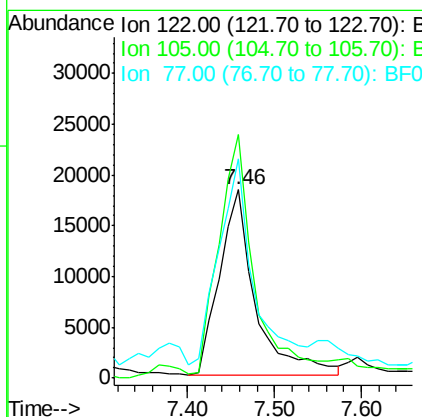
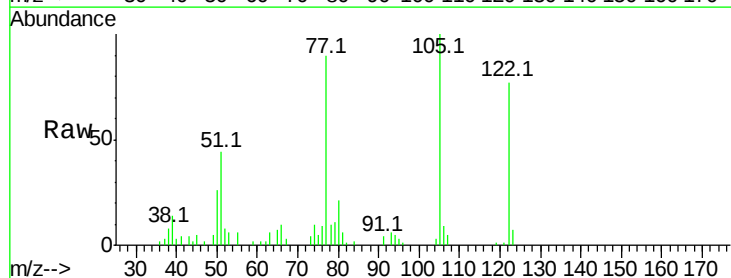
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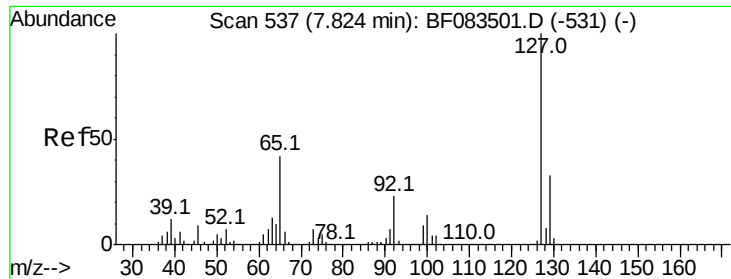
Mmdadoda  
12/7/2015 6:30:54 PM



#32  
Benzoic acid  
Concen: 13.69 ng  
RT: 7.46 min Scan# 505  
Delta R.T. -0.03 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Tgt Ion:122 Resp: 52165  
Ion Ratio Lower Upper  
122 100  
105 129.2 105.6 145.6  
77 116.5 86.8 126.8





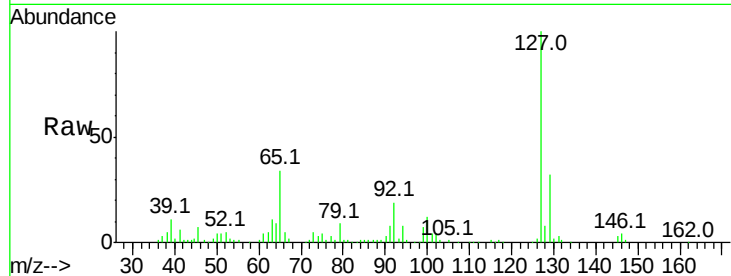
#33  
4-Chloroaniline  
Concen: 25.36 ng  
RT: 7.84 min Scan# 538  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

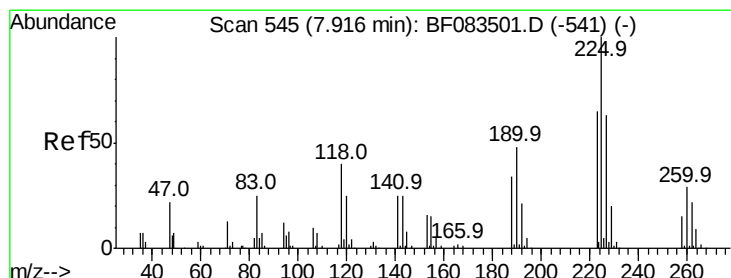
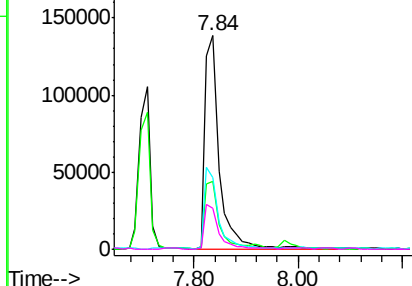
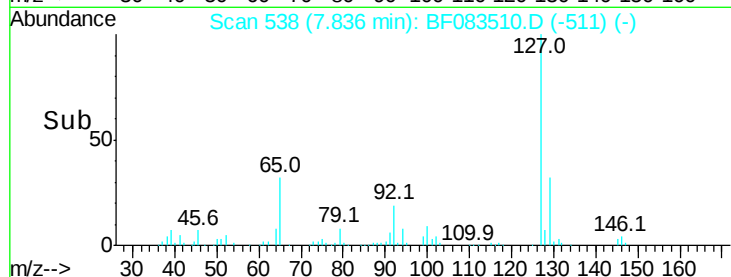
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.8 | 26.1  | 39.1 |       |       |
| 65      | 33.5 | 33.5  | 50.3 |       |       |
| 92      | 19.2 | 18.6  | 28.0 |       |       |

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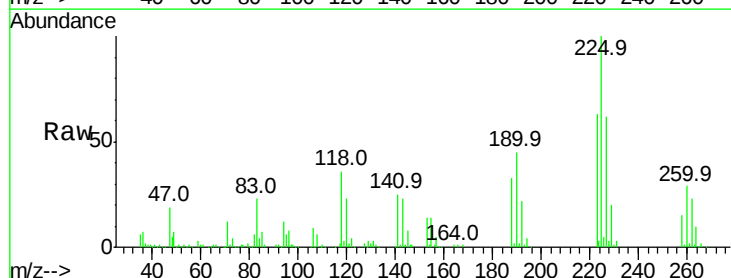


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

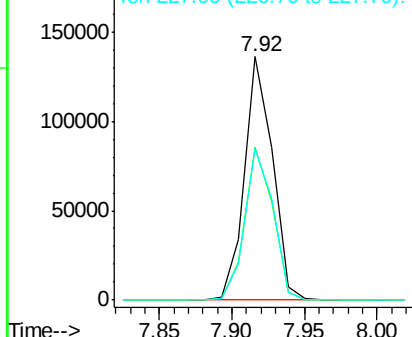
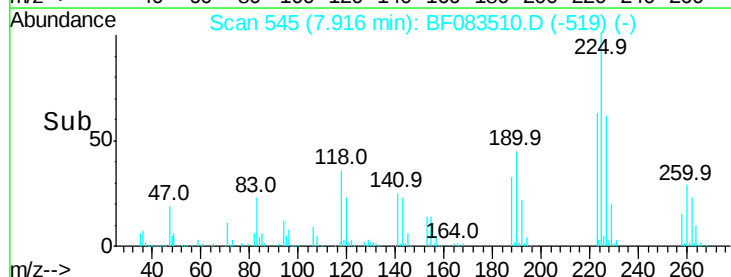


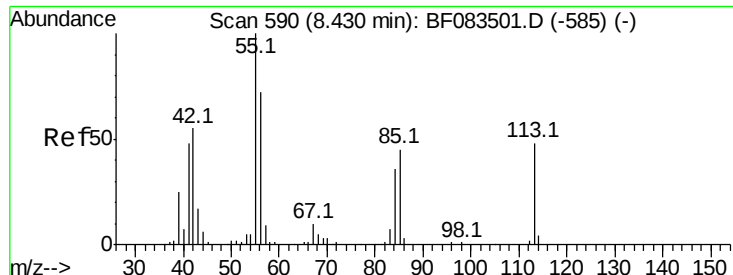
#34  
Hexachlorobutadiene  
Concen: 37.63 ng  
RT: 7.92 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.9 | 52.3  | 78.5 |       |       |
| 227     | 62.0 | 50.4  | 75.6 |       |       |



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





#35

Caprolactam

Concen: 6.99 ng

RT: 8.43 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

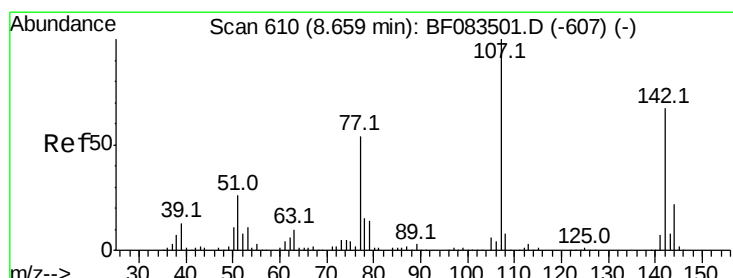
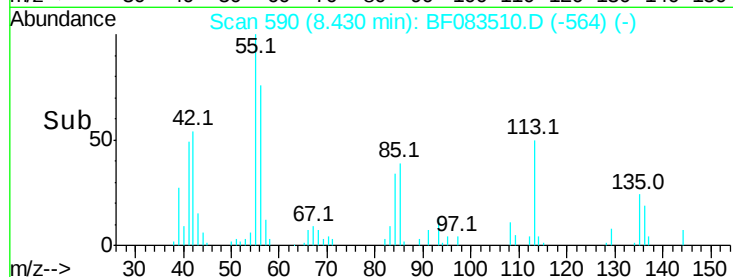
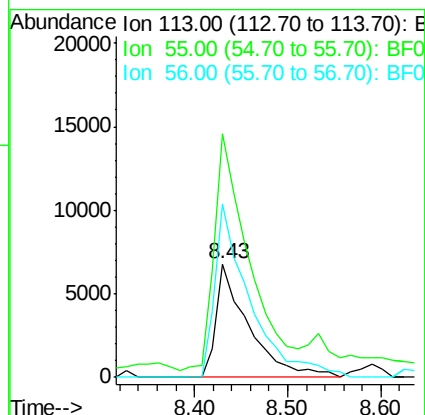
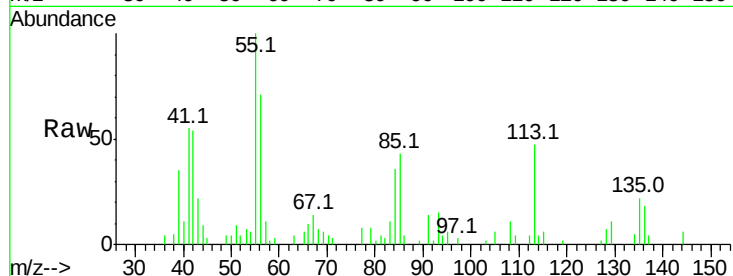
ClientSampleId :

20151124MGP211BRV71MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 16462 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 214.2 | 189.7 | 229.7 |
| 56        | 152.8 | 130.7 | 170.7 |

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#36

4-Chloro-3-methylphenol

Concen: 39.95 ng

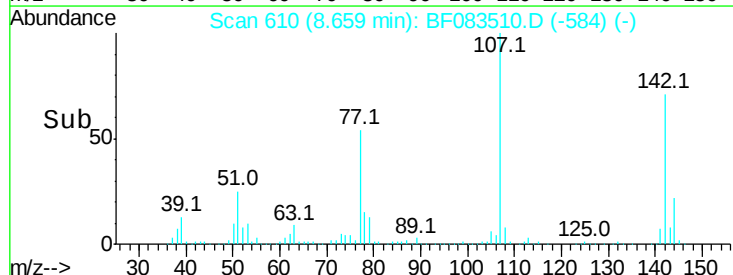
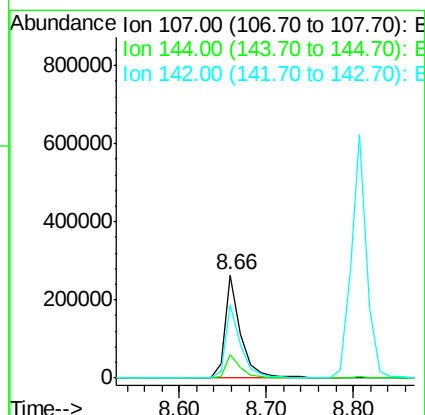
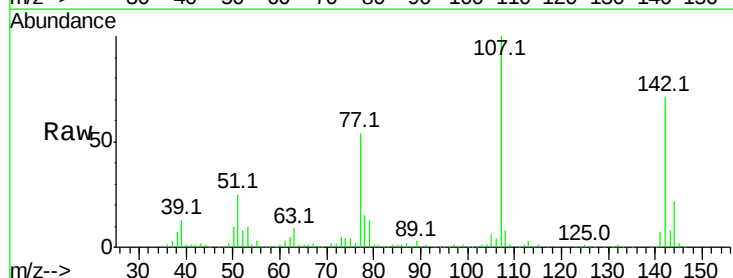
RT: 8.66 min Scan# 610

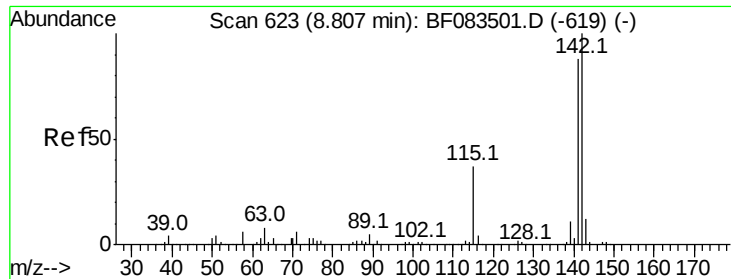
Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 333093 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 22.1  | 17.5  | 26.3   |
| 142       | 70.6  | 53.6  | 80.4   |





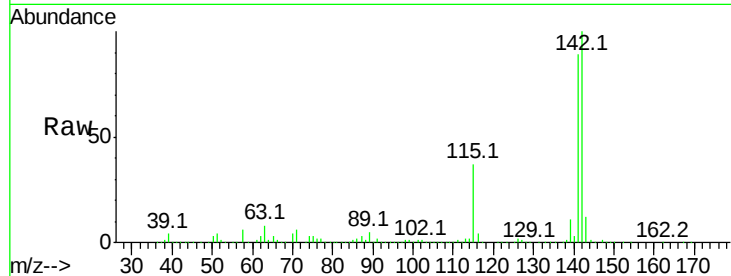
#37  
2-Methylnaphthalene  
Concen: 46.91 ng  
RT: 8.81 min Scan# 623  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 771196 |       |       |
| 141     | 89.0  |        | 70.3  | 105.5 |
| 115     | 36.9  |        | 29.2  | 43.8  |

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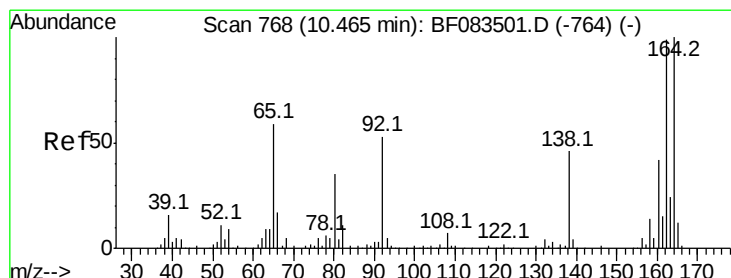
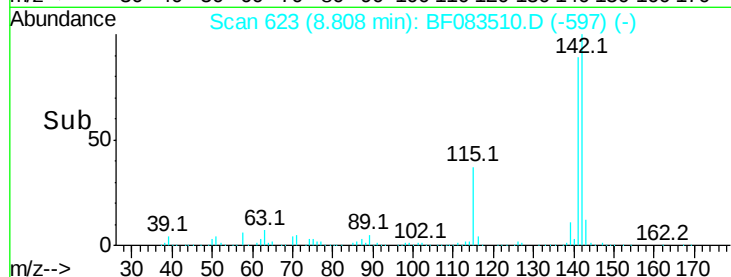
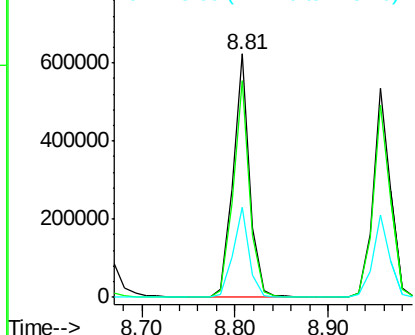


Abundance

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: 10.46 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

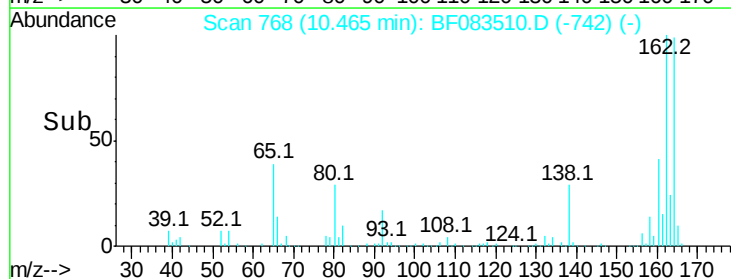
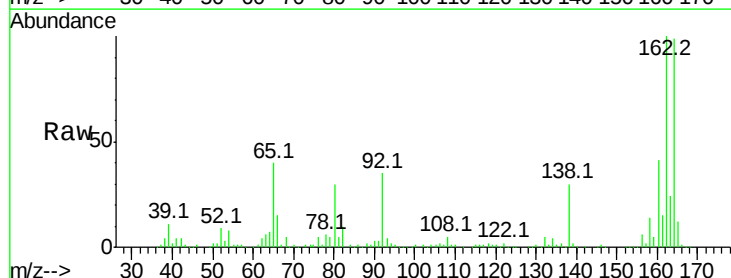
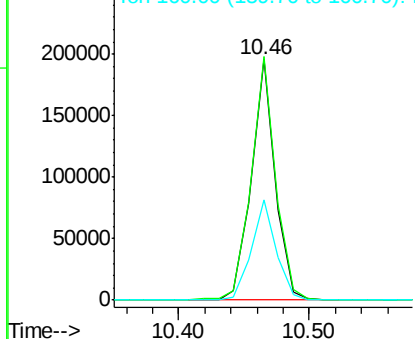
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 248933 |       |       |
| 162     | 101.2 |        | 78.8  | 118.2 |
| 160     | 41.8  |        | 33.4  | 50.2  |

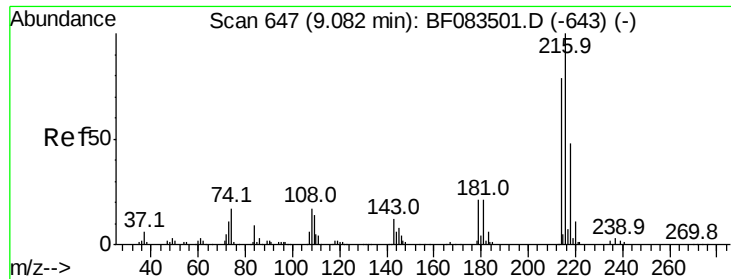
Abundance

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: 41.47 ng

RT: 9.08 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF083510.D

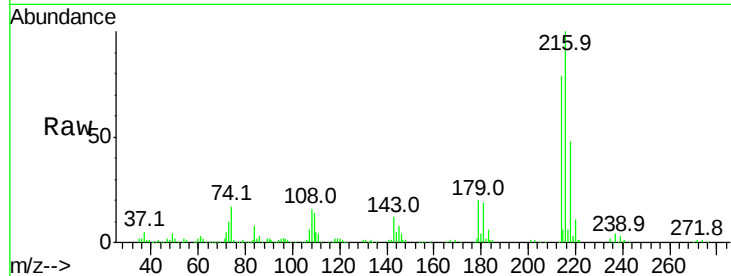
Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

20151124MGP211BRV71MSD



Tot Ion:216 Resp: 339489

Ion Ratio Lower Upper

216 100

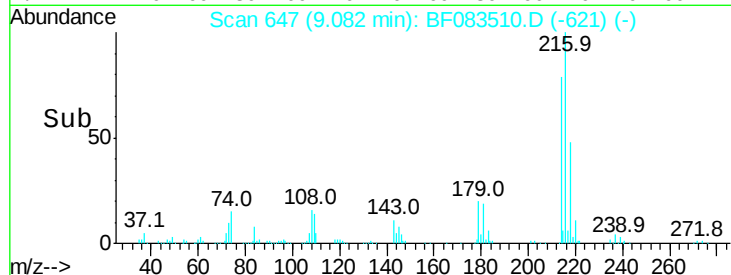
214 79.4 0.0 0.0#

179 21.0 0.0 0.0#

108 21.1 0.0 0.0#

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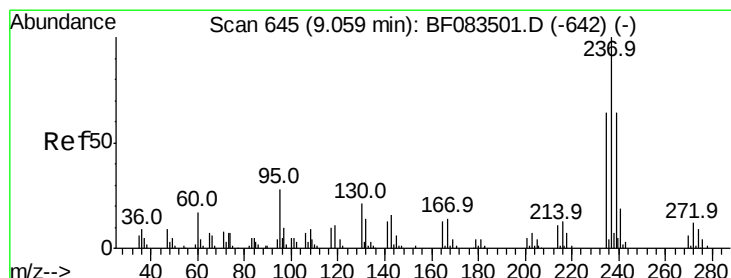
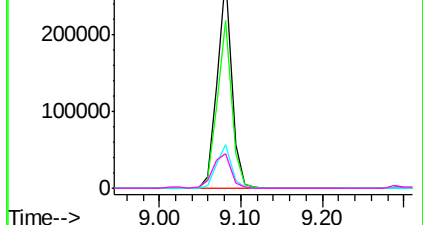


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

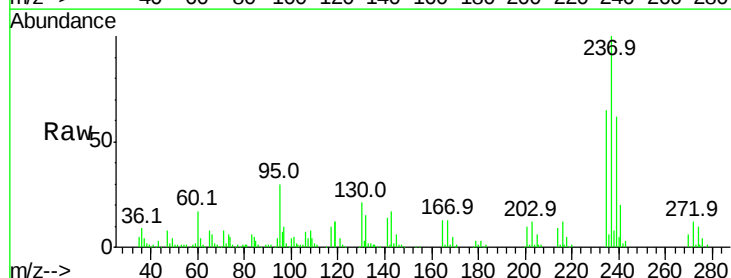
Concen: 63.96 ng

RT: 9.06 min Scan# 645

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58



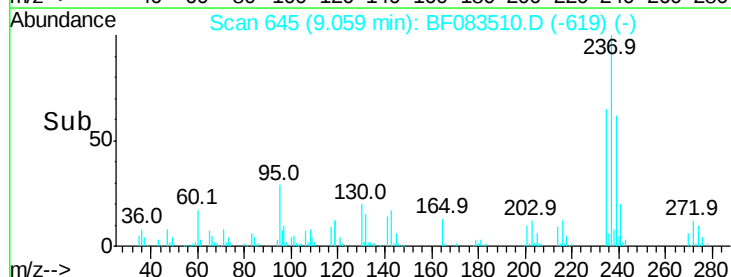
Tgt Ion:237 Resp: 197579

Ion Ratio Lower Upper

237 100

235 65.2 43.9 83.9

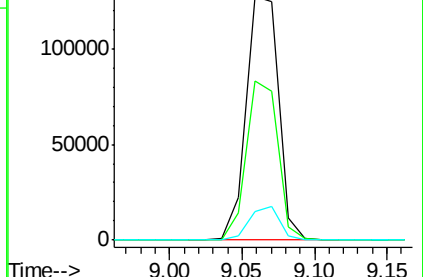
272 11.5 0.0 31.8

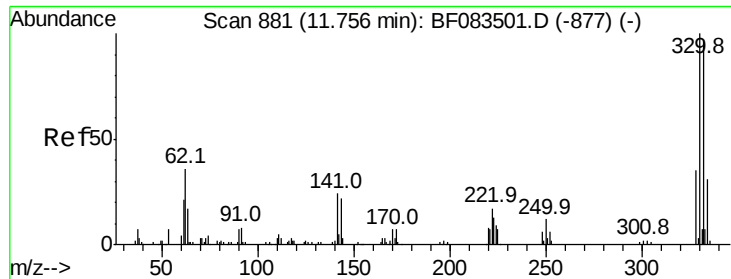


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





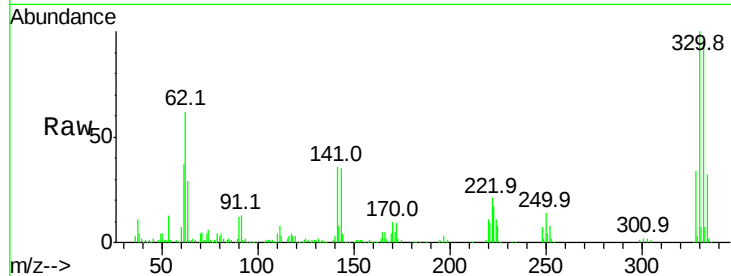
#41  
 2,4,6-Tribromophenol  
 Concen: 139.56 ng  
 RT: 11.76 min Scan# 881  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

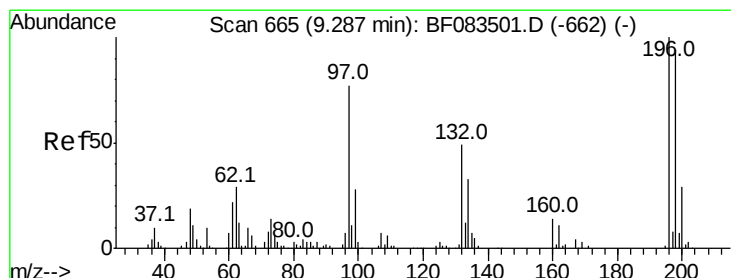
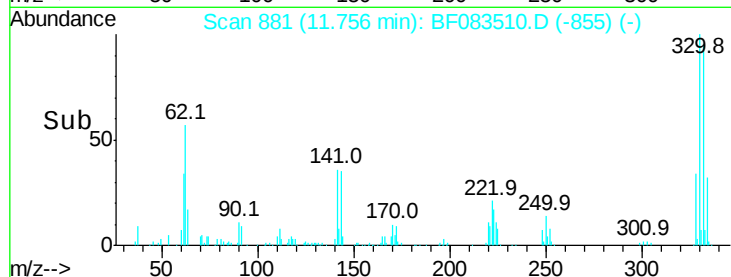
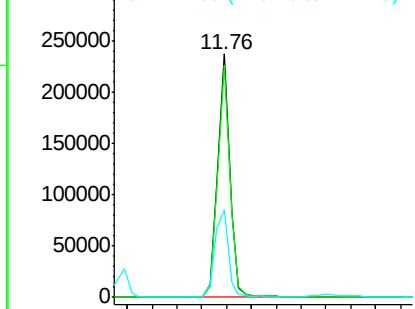
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.4  | 0.0  | 0.0   |       |
| 141     | 40.0  | 0.0  | 0.0   |       |

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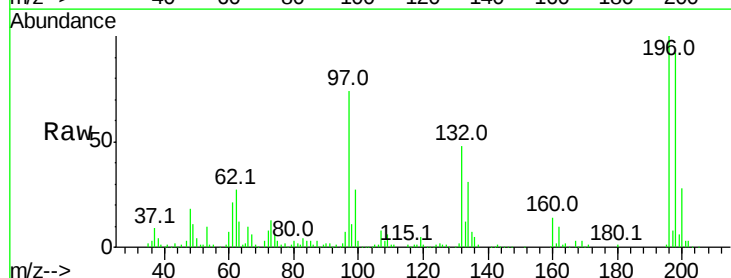


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

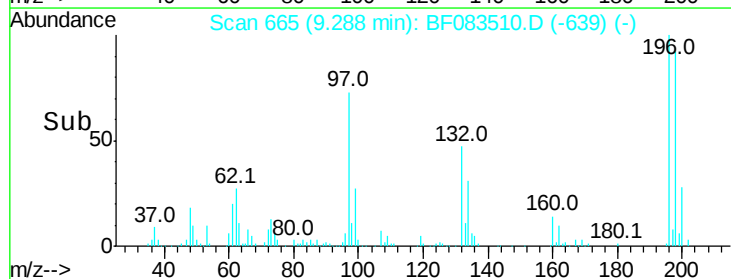
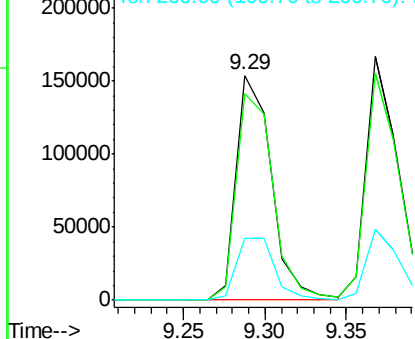


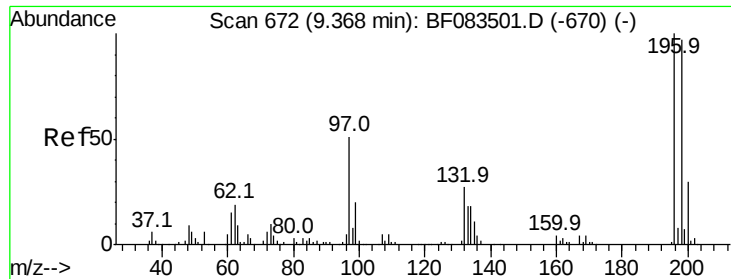
#42  
 2,4,6-Trichlorophenol  
 Concen: 44.81 ng  
 RT: 9.29 min Scan# 665  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 91.6  | 75.2 | 112.8 |       |
| 200     | 27.6  | 23.0 | 34.6  |       |



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





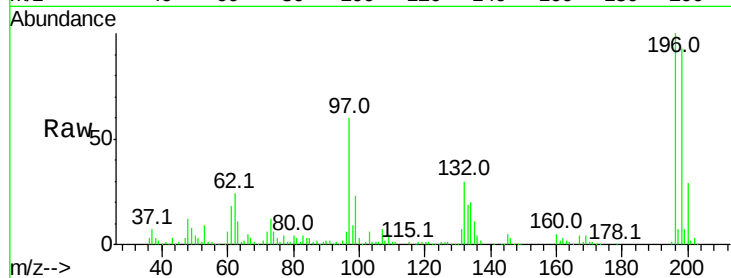
#43  
 2,4,5-Trichlorophenol  
 Concen: 46.79 ng  
 RT: 9.37 min Scan# 672  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

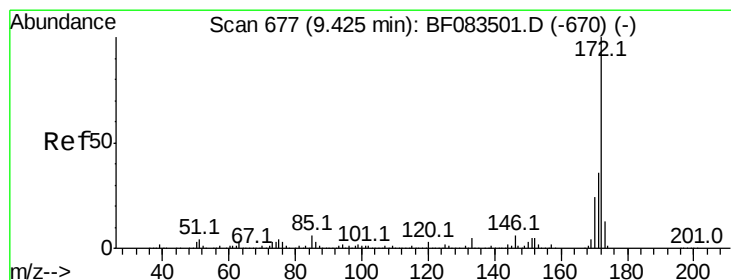
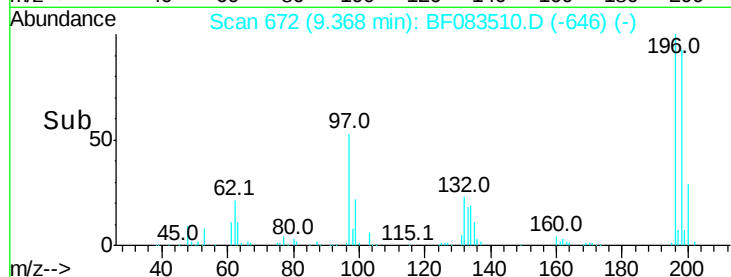
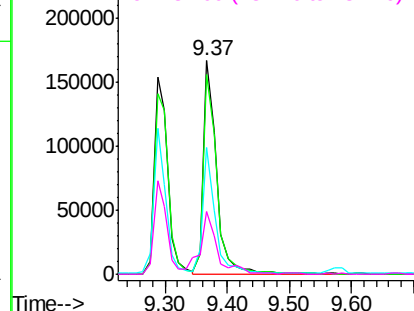
| Tot Ion   | 196   | Resp  | 247711 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 93.3  | 77.7  | 116.5  |
| 97        | 59.5  | 41.2  | 61.8   |
| 132       | 29.6  | 21.8  | 32.8   |

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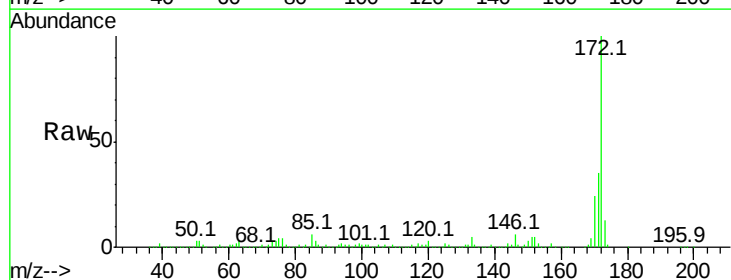


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

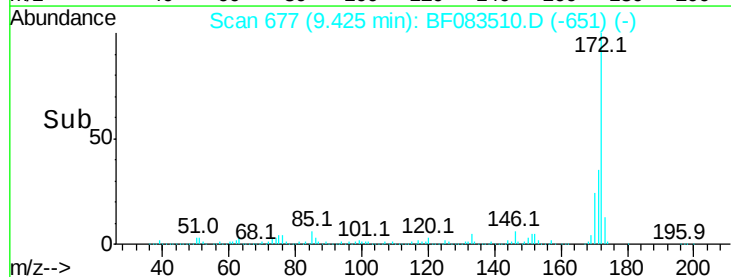
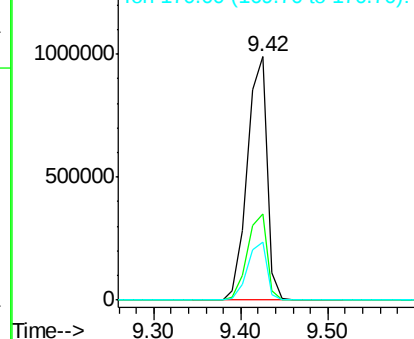


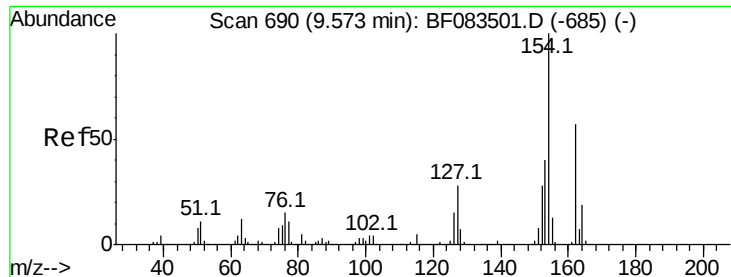
#44  
 2-Fluorobiphenyl  
 Concen: 85.53 ng  
 RT: 9.42 min Scan# 677  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion   | 172   | Resp  | 1569689 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 35.2  | 28.6  | 42.8    |
| 170       | 24.0  | 19.4  | 29.0    |



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: 42.09 ng

RT: 9.57 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

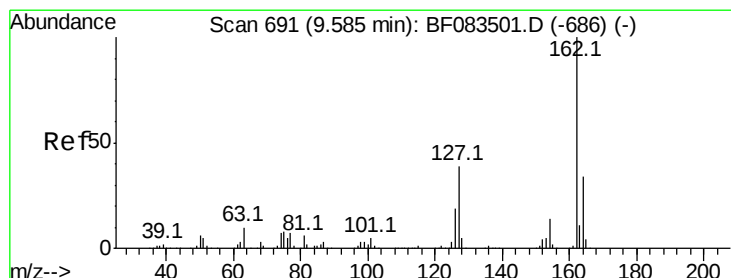
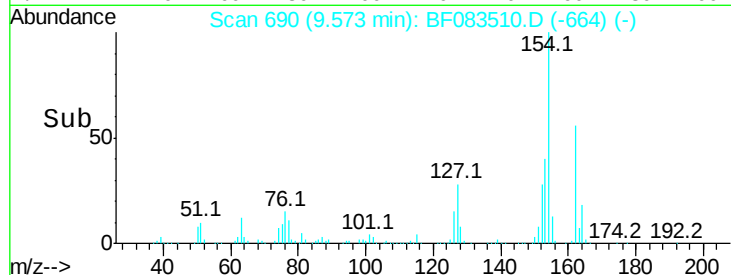
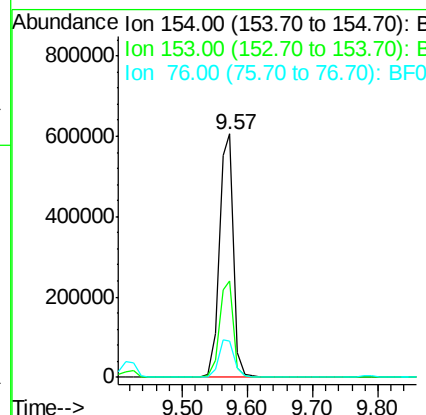
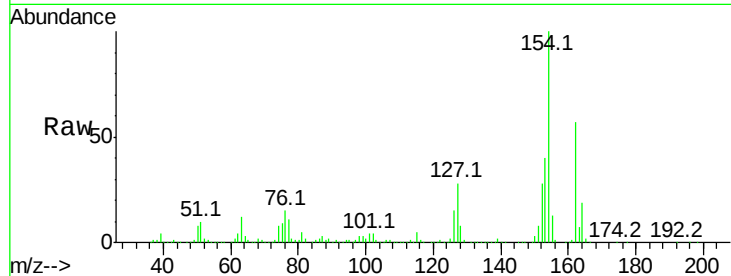
ClientSampleId :

20151124MGP211BRV71MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 931091 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 39.7  | 20.2  | 60.2   |
| 76        | 15.1  | 0.0   | 34.8   |

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#46

2-Chloronaphthalene

Concen: 44.18 ng

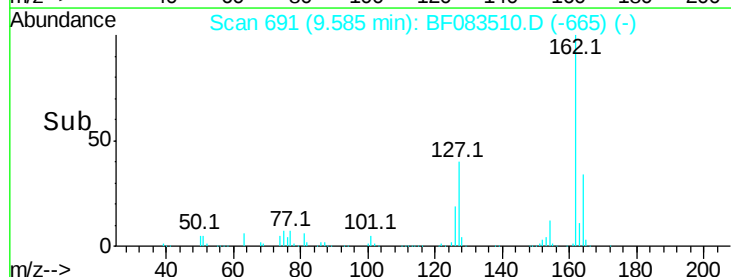
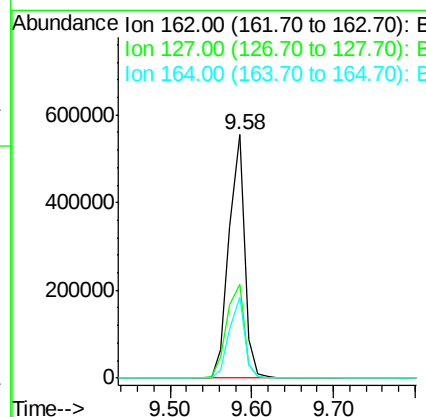
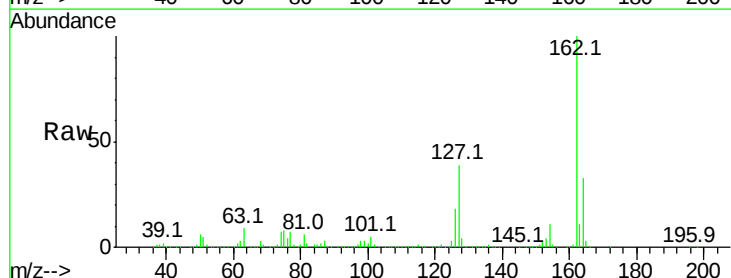
RT: 9.58 min Scan# 691

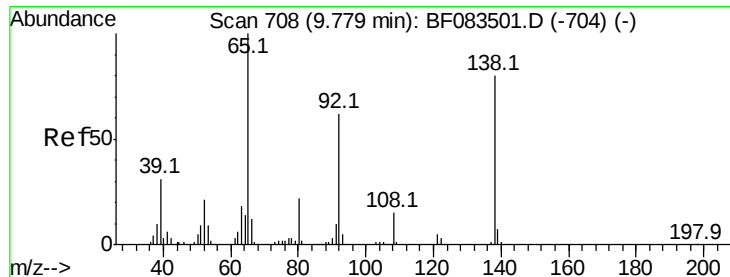
Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 736452 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 38.7  | 31.0  | 46.4   |
| 164       | 33.1  | 27.4  | 41.0   |





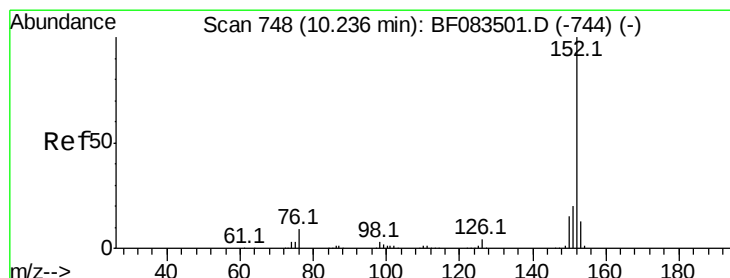
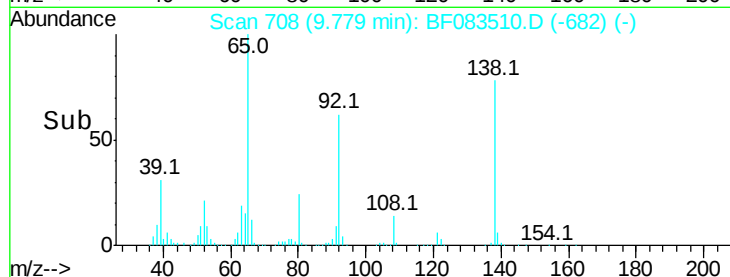
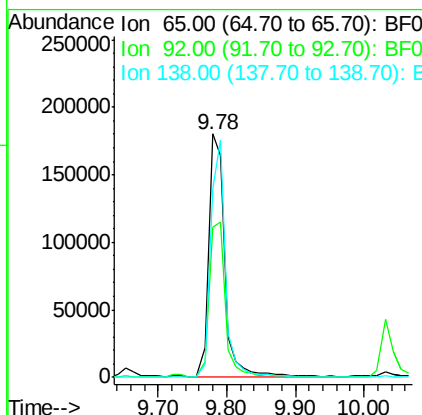
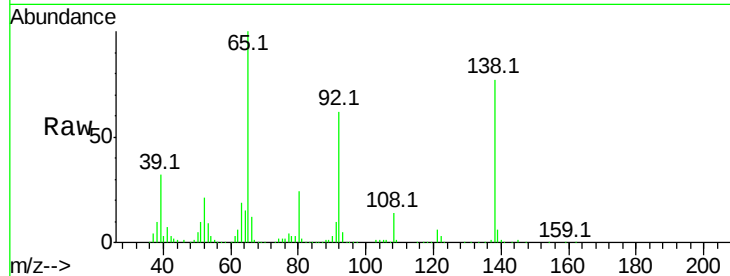
#47  
2-Nitroaniline  
Concen: 49.12 ng  
RT: 9.78 min Scan# 708  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 61.7  | 49.6  | 74.4  |
| 138     | 77.5  | 64.1  | 96.1  |

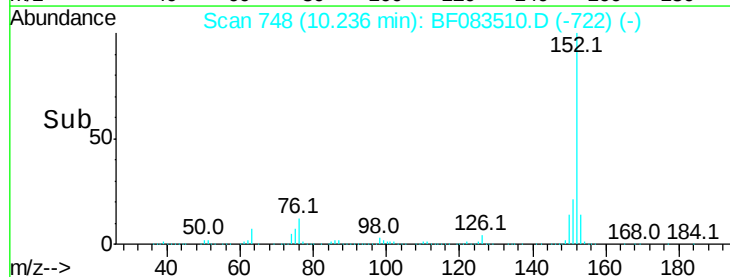
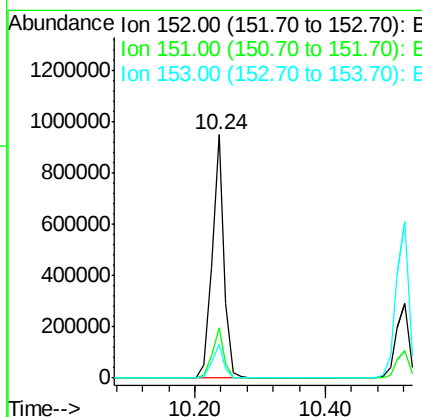
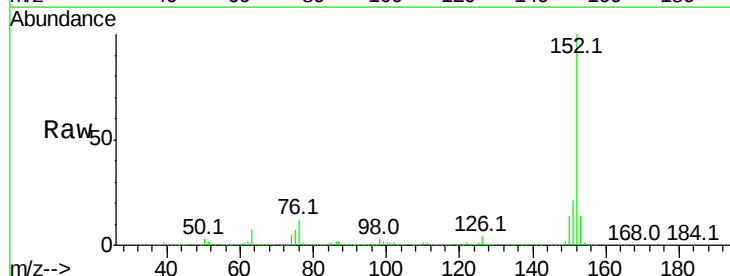
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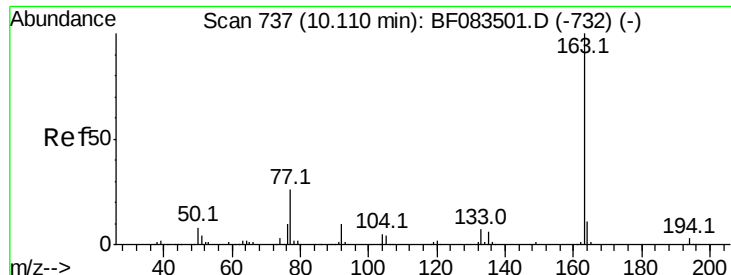
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#48  
Acenaphthylene  
Concen: 44.22 ng  
RT: 10.24 min Scan# 748  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.3  | 24.5  |
| 153     | 13.7  | 10.8  | 16.2  |





#49

Dimethylphthalate

Concen: 46.76 ng

RT: 10.12 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

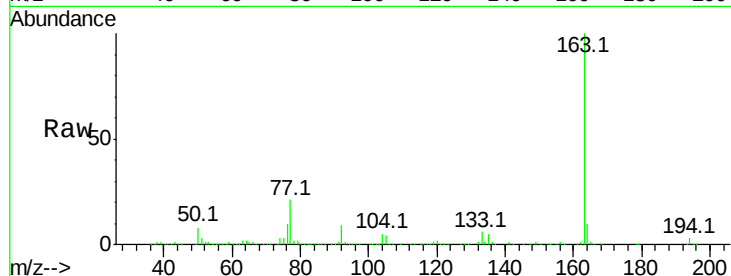
ClientSampleId :

20151124MGP211BRV71MSD

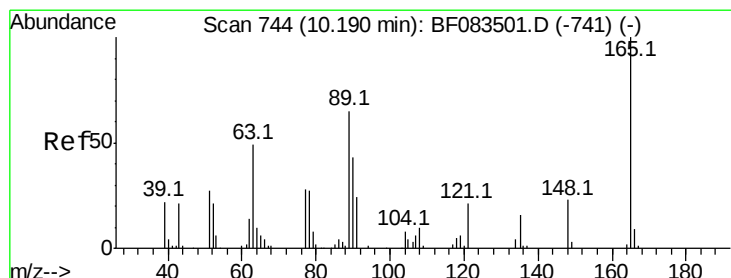
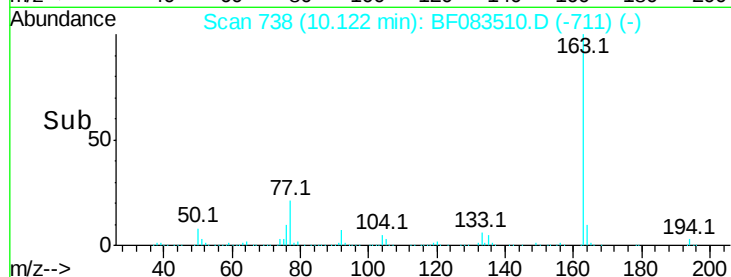
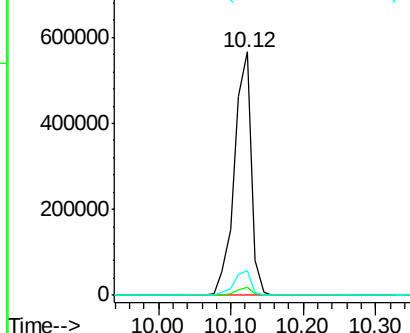
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| Tot Ion   | 163   | Resp  | 916146 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.4   | 2.8   | 4.2    |
| 164       | 10.0  | 8.6   | 13.0   |



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: 48.20 ng

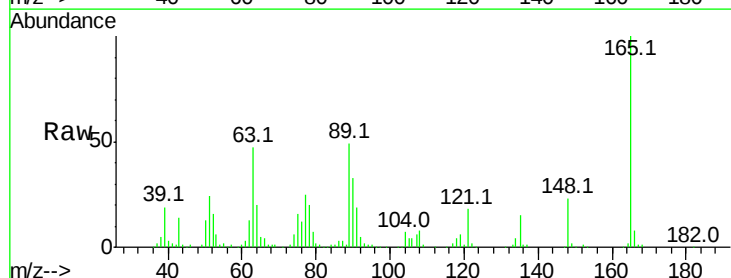
RT: 10.20 min Scan# 745

Delta R.T. 0.01 min

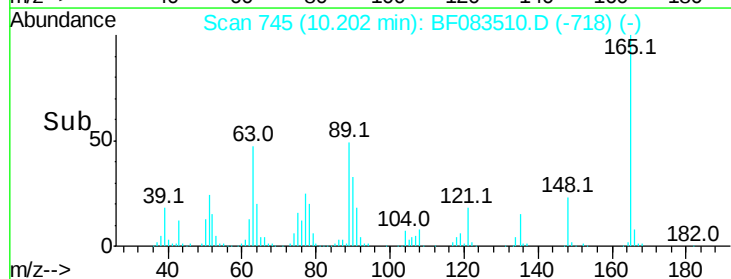
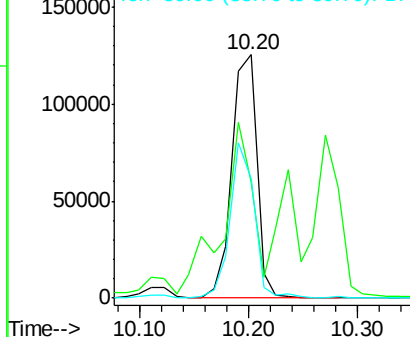
Lab File: BF083510.D

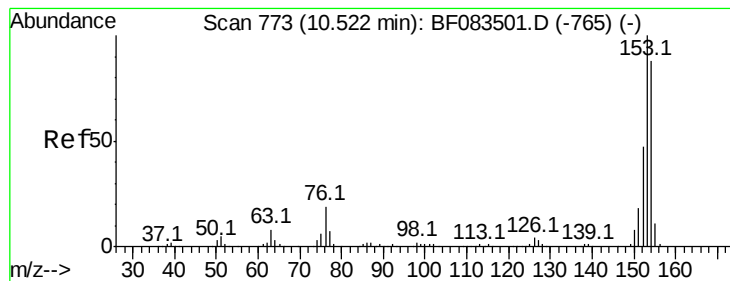
Acq: 5 Dec 2015 12:58

| Tgt Ion   | 165   | Resp  | 198865 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 47.3  | 56.9  | 85.3#  |
| 89        | 48.8  | 52.1  | 78.1#  |



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: 46.72 ng

RT: 10.52 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

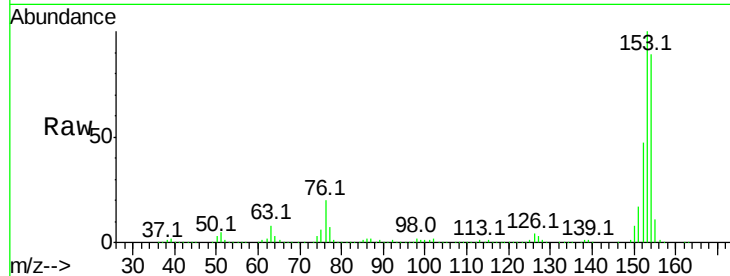
ClientSampleId :

20151124MGP211BRV71MSD

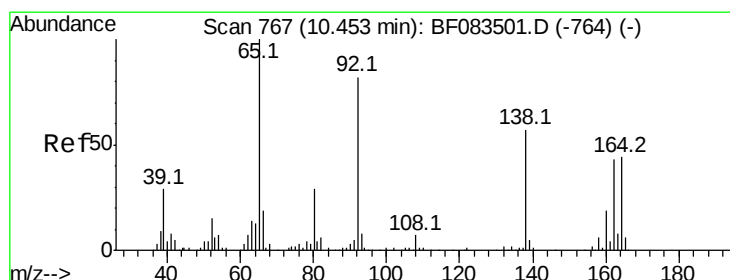
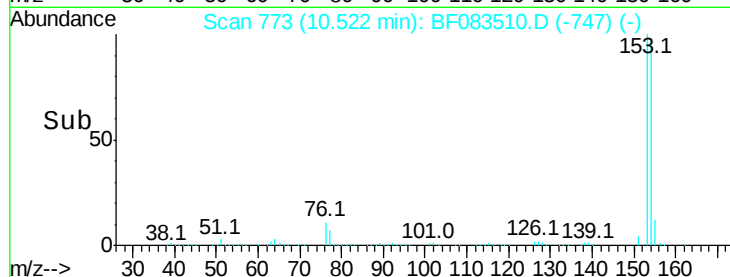
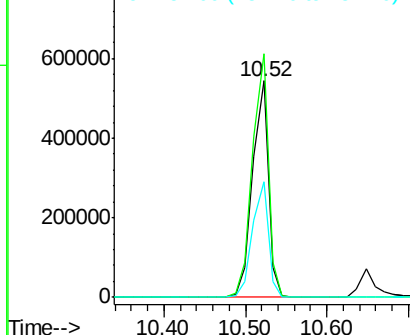
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 733831 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.5 | 91.4  | 137.0  |
| 152       | 53.3  | 43.4  | 65.2   |

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



#52

3-Nitroaniline

Concen: 27.75 ng

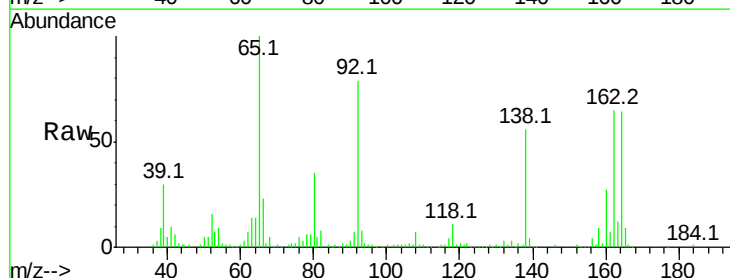
RT: 10.45 min Scan# 767

Delta R.T. 0.00 min

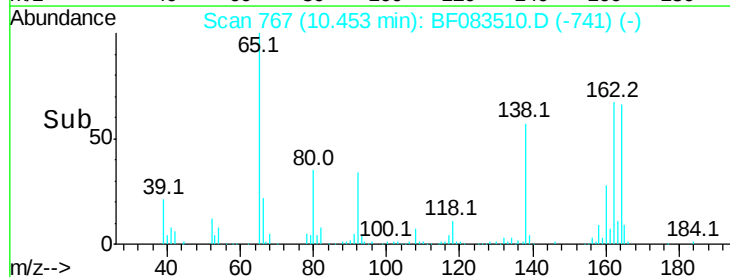
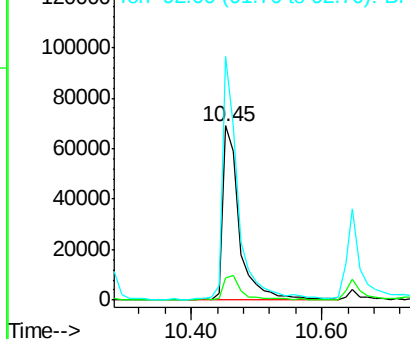
Lab File: BF083510.D

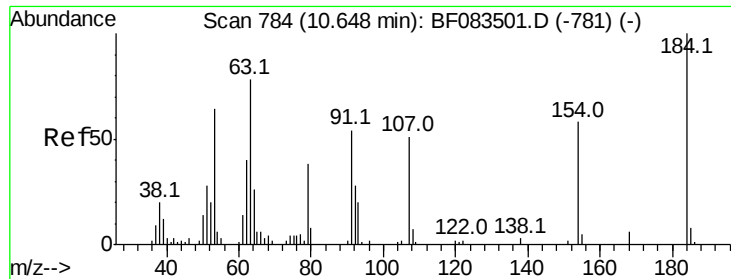
Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 123436 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 13.1  | 9.9   | 14.9   |
| 92        | 140.0 | 113.8 | 170.8  |



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





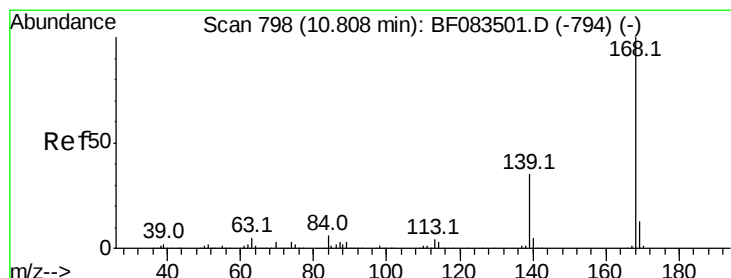
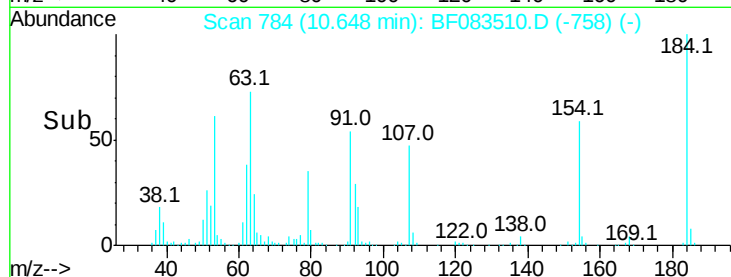
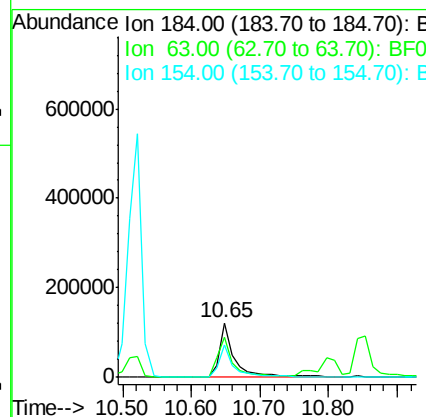
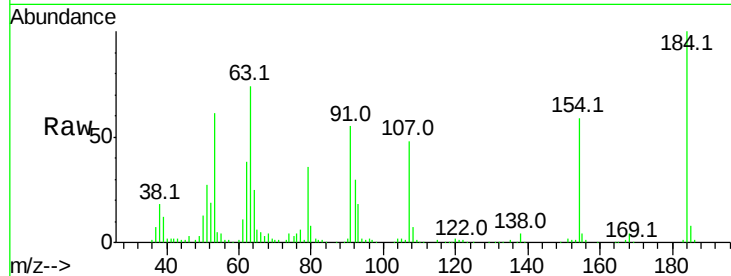
#53  
 2,4-Dinitrophenol  
 Concen: 90.43 ng  
 RT: 10.65 min Scan# 784  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 194475 |       |       |
| 63      | 73.8  | 62.4   | 93.6  |       |
| 154     | 58.9  | 46.6   | 69.8  |       |

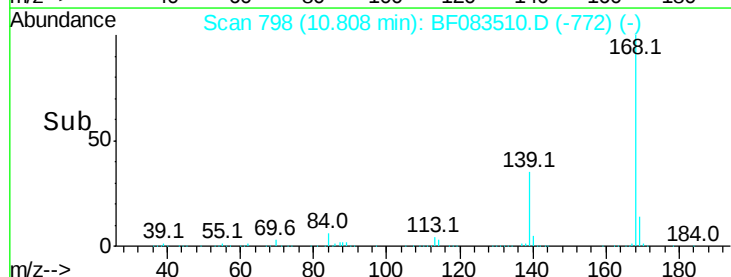
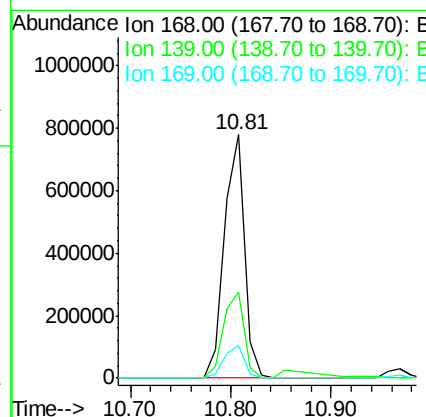
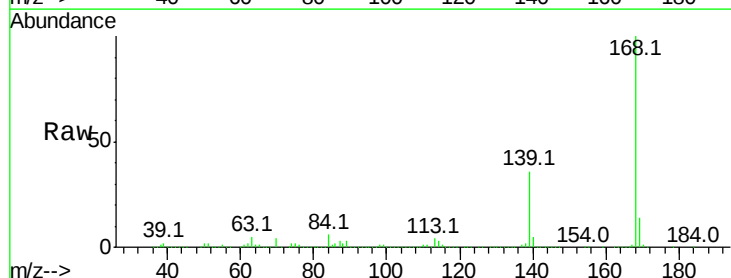
Manual Integrations  
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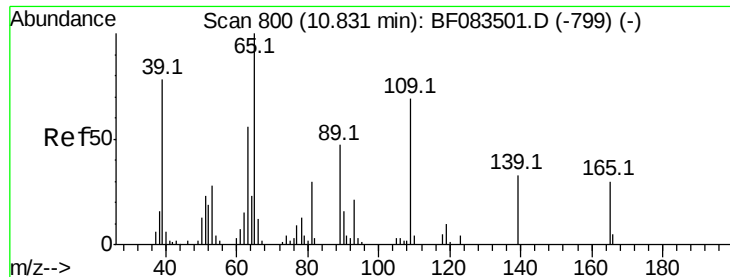
Mmdadoda  
 12/7/2015 6:30:54 PM



#54  
 Dibenzofuran  
 Concen: 49.73 ng  
 RT: 10.81 min Scan# 798  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1082079 |       |       |
| 139     | 35.6  | 28.0    | 42.0  |       |
| 169     | 13.5  | 10.8    | 16.2  |       |





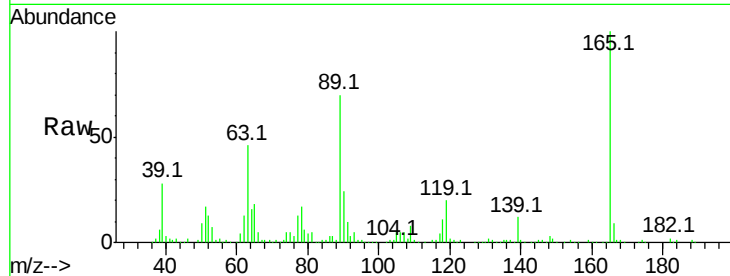
#55  
4-Nitrophenol  
Concen: 30.92 ng/ml  
RT: 10.85 min Scan# 802  
Delta R.T. 0.02 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 66.1  | 42.0 | 82.0  |       |
| 65      | 152.8 | 89.2 | 129.2 |       |

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12/7/2015 6:30:54 PM

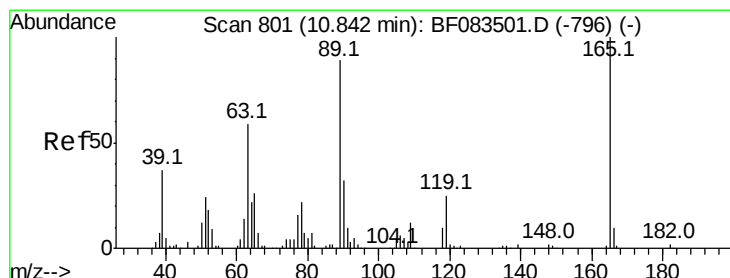
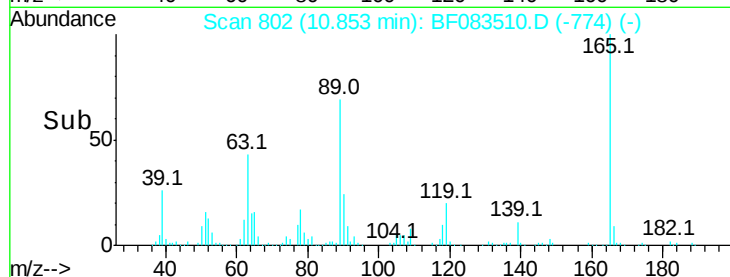
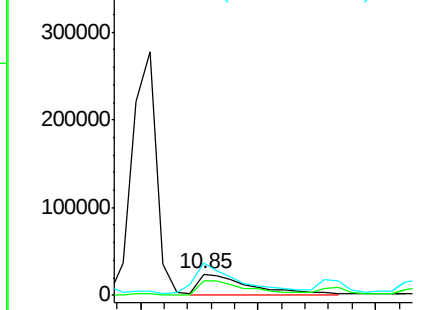


Abundance

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



#56  
2,4-Dinitrotoluene  
Concen: 50.32 ng  
RT: 10.85 min Scan# 802  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 45.5  | 51.4 | 77.2  |       |
| 89      | 69.8  | 72.6 | 108.8 |       |
| 182     | 2.1   | 1.4  | 2.0   |       |

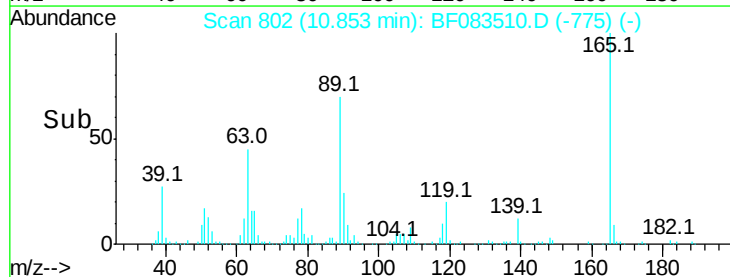
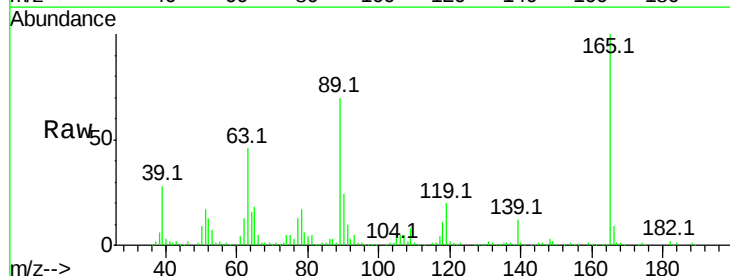
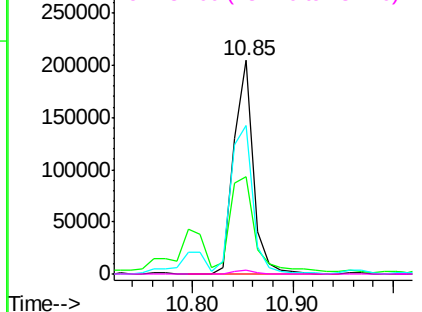
Abundance

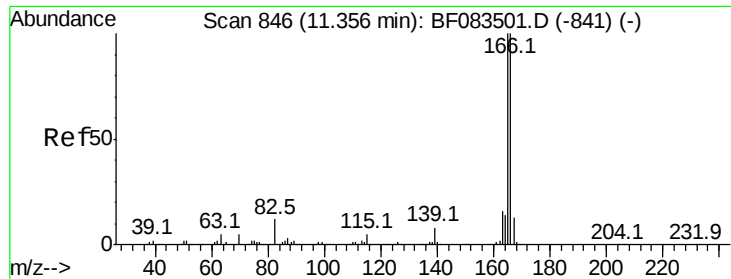
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





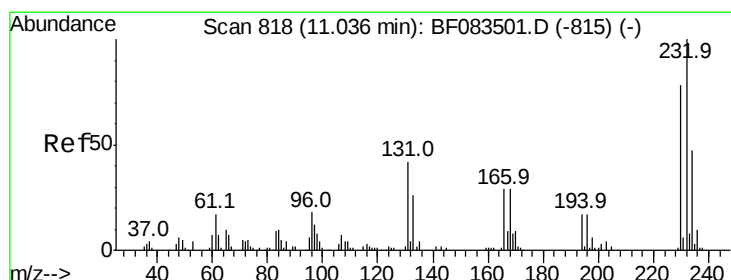
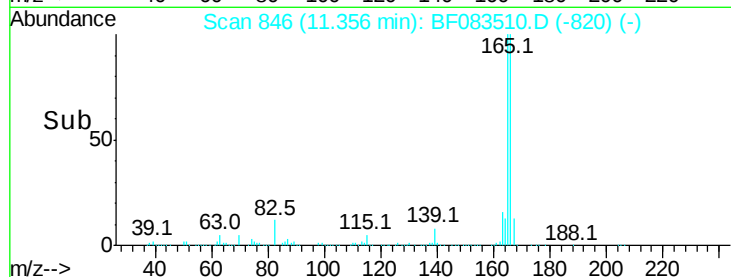
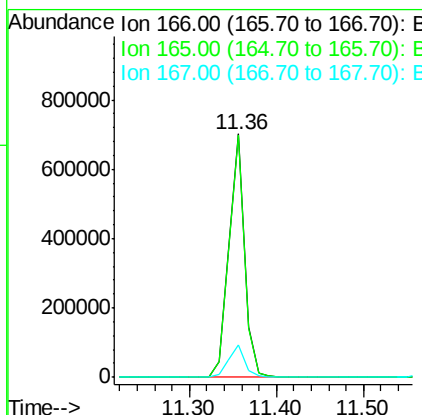
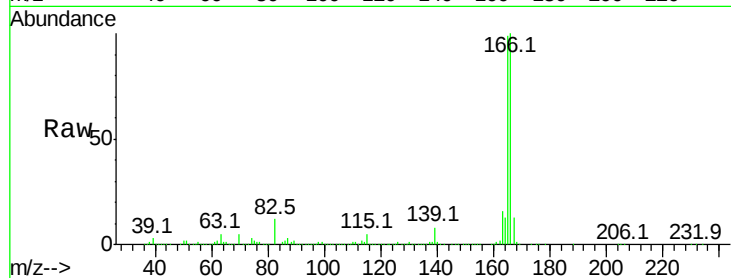
#57  
 Fluorene  
 Concen: 45.91 ng  
 RT: 11.36 min Scan# 846  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 869151 |       |       |
| 165     | 99.4  | 80.0   | 120.0 |       |
| 167     | 13.3  | 10.6   | 16.0  |       |

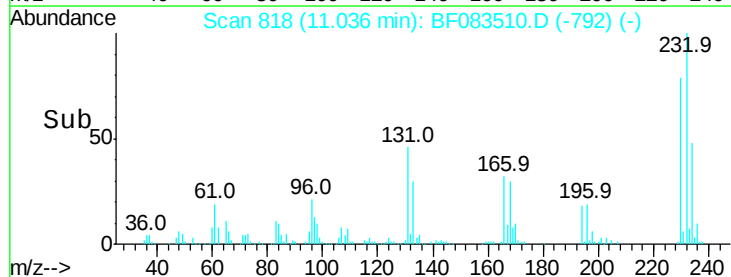
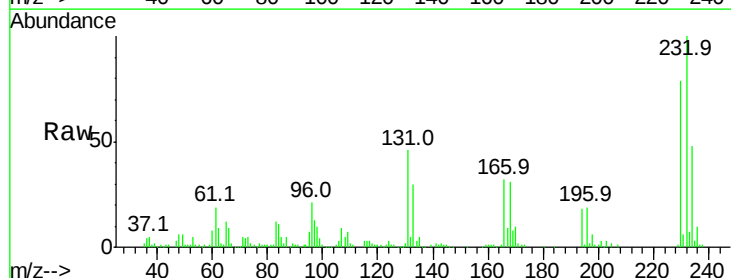
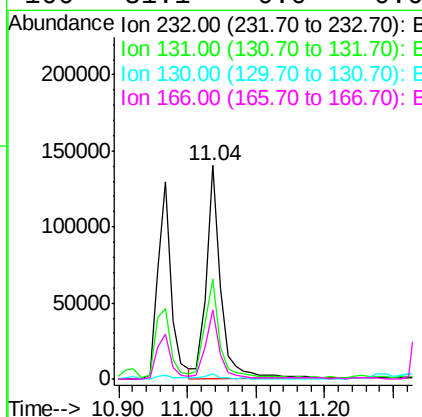
Manual Integrations  
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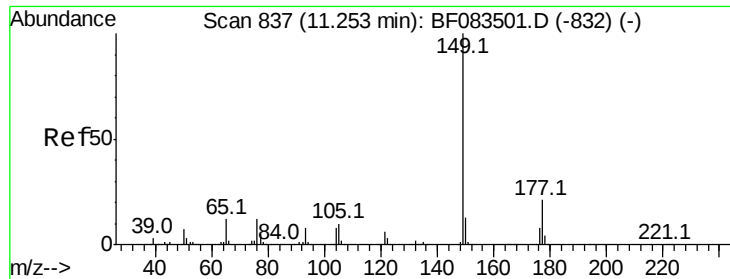
Mmdadoda  
 12/7/2015 6:30:54 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 51.74 ng  
 RT: 11.04 min Scan# 818  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 204846 |       |       |
| 231     | 47.2  | 0.0    | 0.0#  |       |
| 130     | 2.5   | 0.0    | 0.0#  |       |
| 166     | 31.1  | 0.0    | 0.0#  |       |





#59

Diethylphthalate

Concen: 46.93 ng

RT: 11.25 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

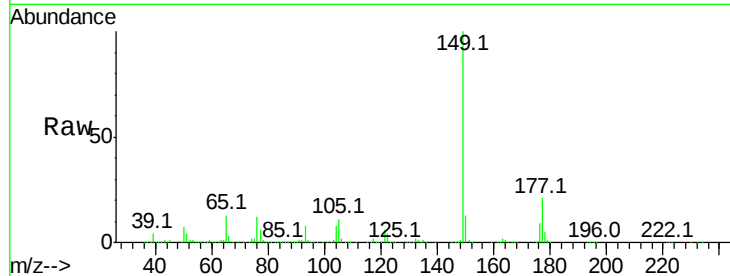
ClientSampleId :

20151124MGP211BRV71MSD

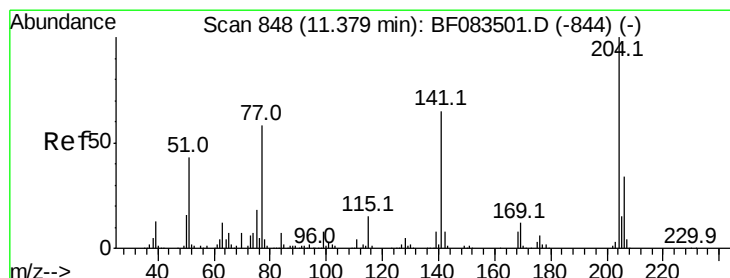
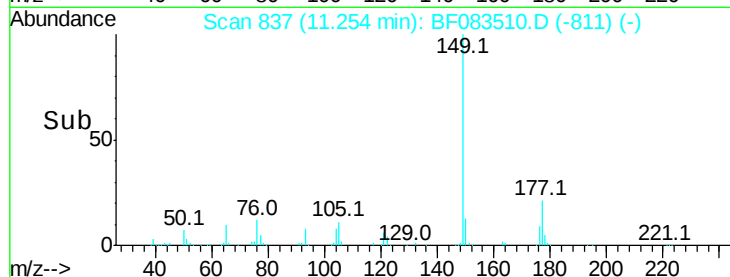
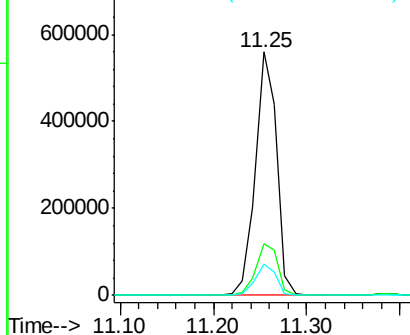
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 884865 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.3  | 16.9  | 25.3   |
| 150       | 12.9  | 10.2  | 15.4   |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.47 ng

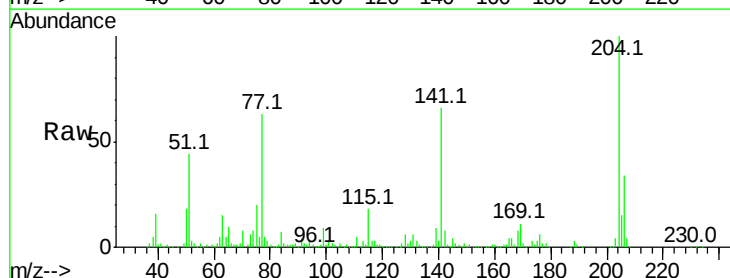
RT: 11.38 min Scan# 848

Delta R.T. 0.00 min

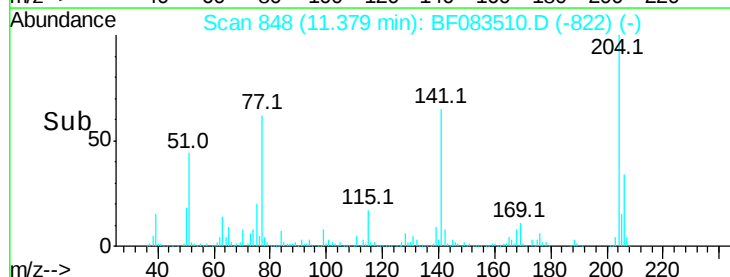
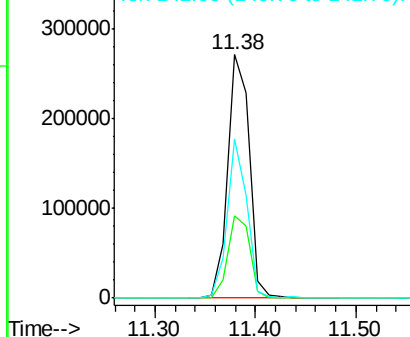
Lab File: BF083510.D

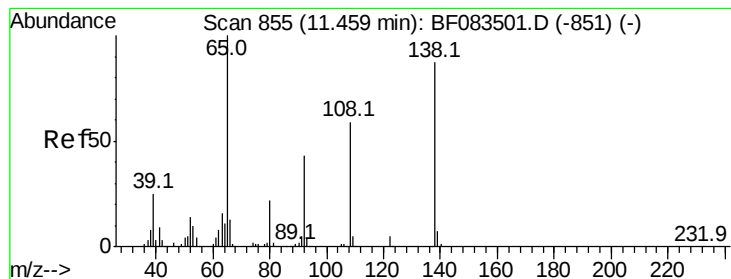
Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 403478 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.6  | 27.3  | 40.9   |
| 141       | 65.6  | 51.9  | 77.9   |



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





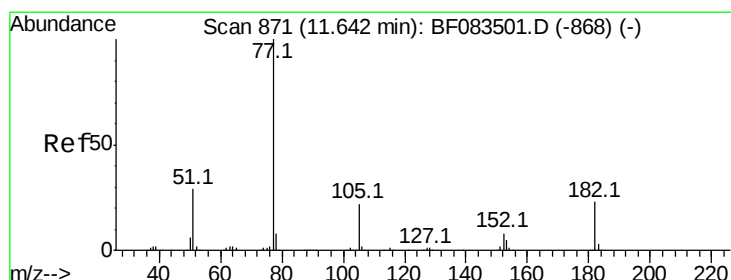
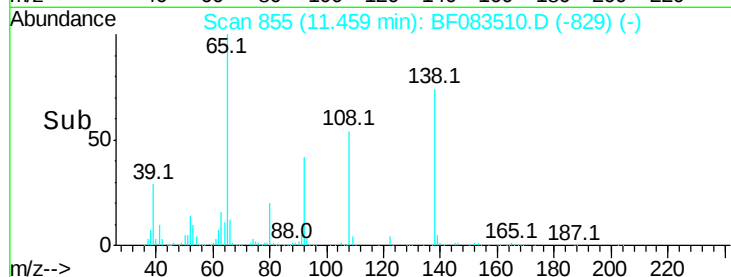
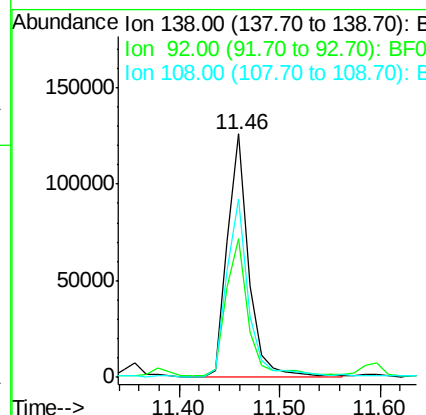
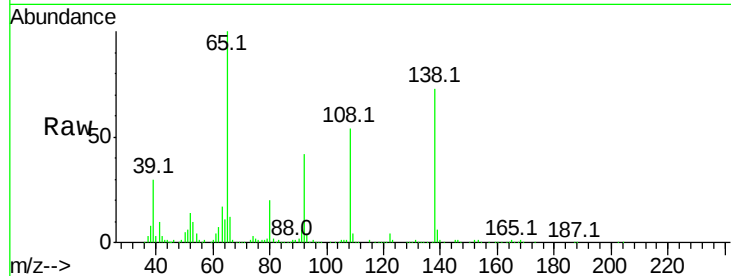
#61  
4-Nitroaniline  
Concen: 46.73 ng  
RT: 11.46 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.1  | 29.0  | 69.0  |
| 108     | 73.4  | 47.4  | 87.4  |

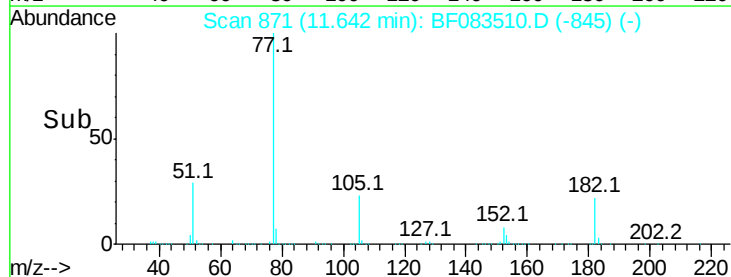
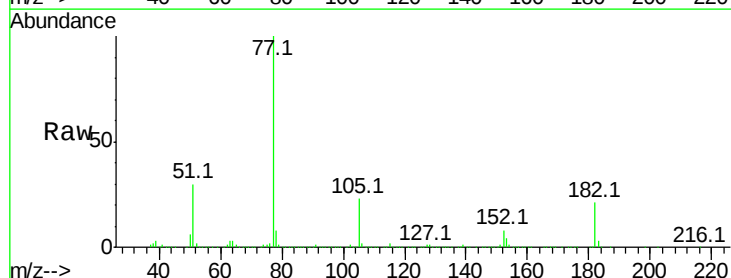
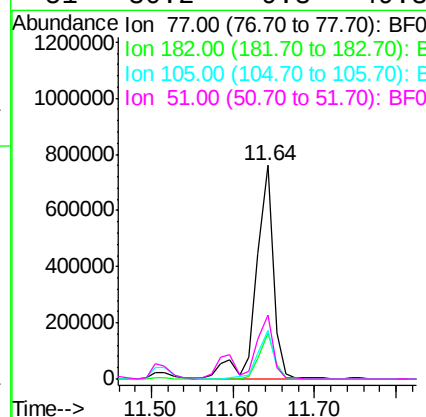
Manual Integrations  
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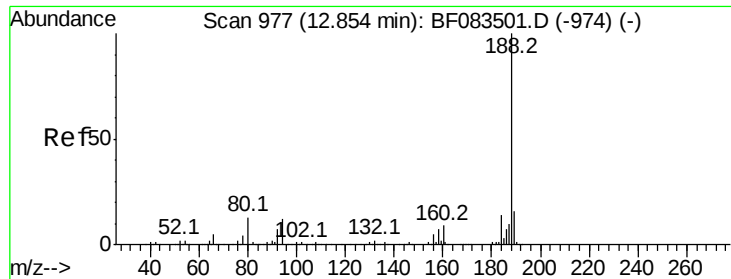
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12/7/2015 6:30:54 PM



#62  
Azobenzene  
Concen: 55.03 ng  
RT: 11.64 min Scan# 871  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 21.4  | 2.5   | 42.5  |
| 105     | 22.7  | 2.1   | 42.1  |
| 51      | 30.2  | 9.3   | 49.3  |





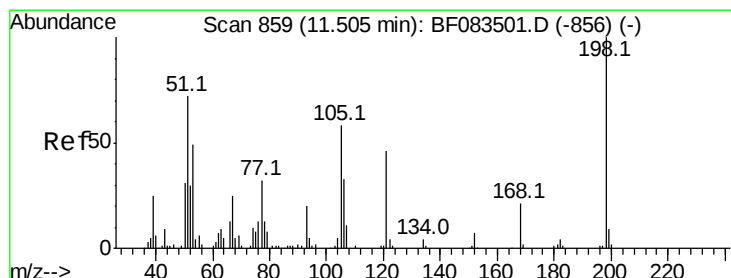
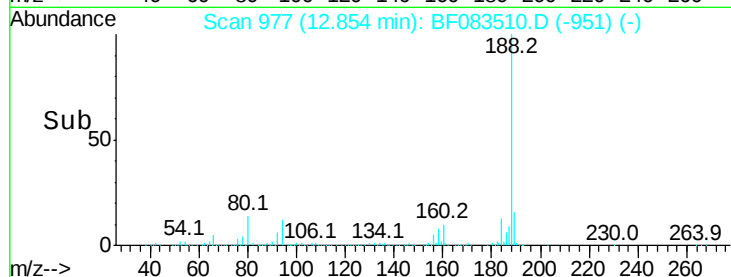
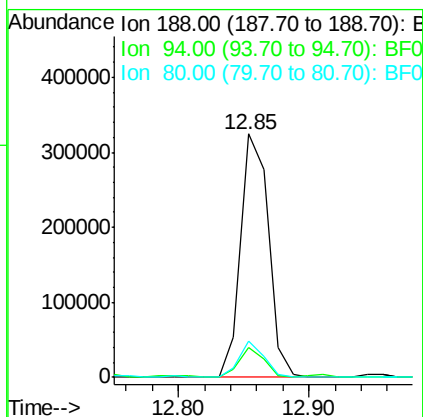
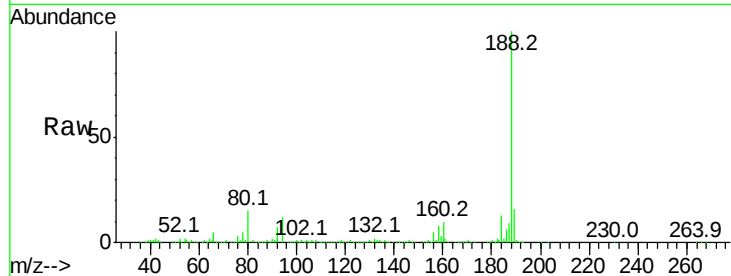
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.85 min Scan# 977  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 12.1  |      | 9.4   | 14.2  |
| 80      | 14.7  |      | 10.6  | 16.0  |

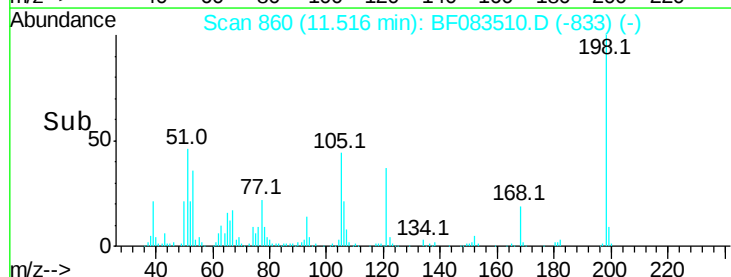
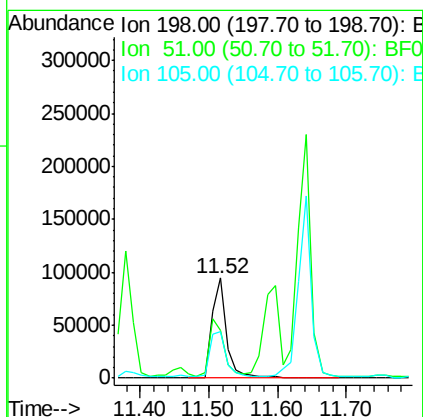
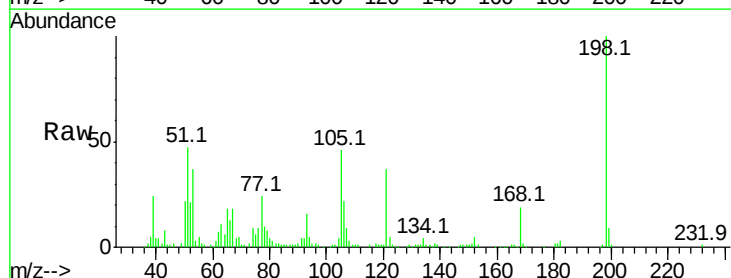
Manual Integrations  
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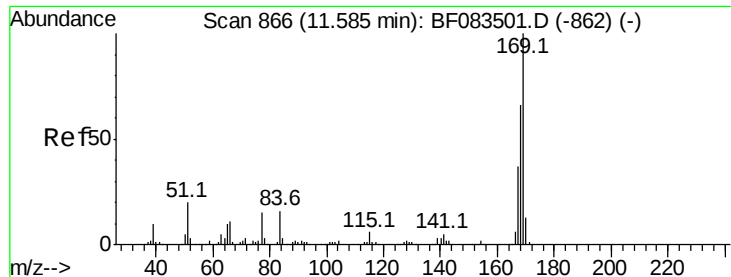
Mmdadoda  
12/7/2015 6:30:54 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 44.26 ng  
RT: 11.52 min Scan# 860  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 47.3  |      | 53.8  | 93.8# |
| 105     | 45.8  |      | 38.6  | 78.6  |





#65

n-Nitrosodiphenylamine

Concen: 46.12 ng

RT: 11.60 min Scan# 867

Delta R.T. 0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

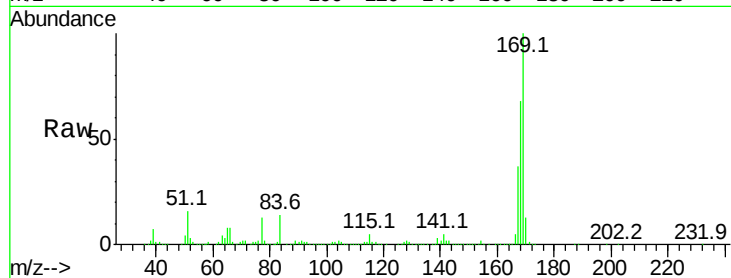
ClientSampleId :

20151124MGP211BRV71MSD

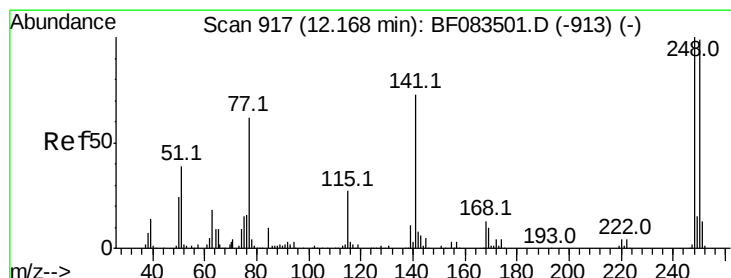
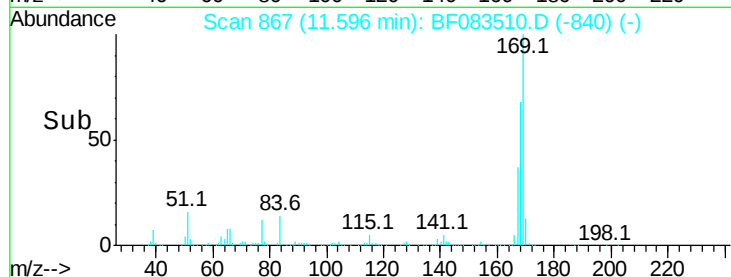
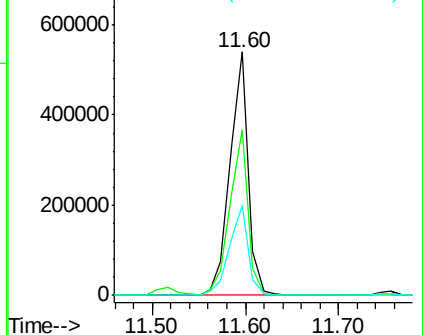
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 736367 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.1  | 53.0  | 79.6   |
| 167       | 37.0  | 29.3  | 43.9   |

Manual Integrations  
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12/7/2015 6:30:54 PM



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



#66

4-Bromophenyl-phenylether

Concen: 44.27 ng

RT: 12.17 min Scan# 917

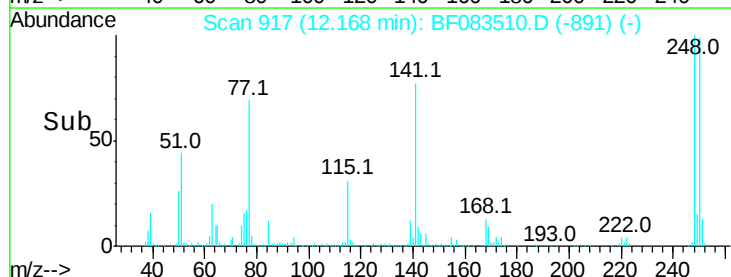
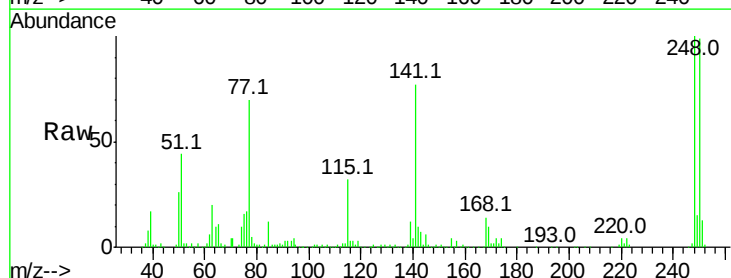
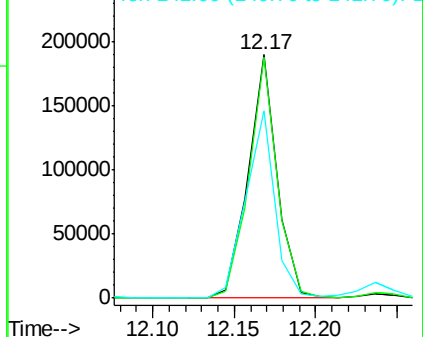
Delta R.T. 0.00 min

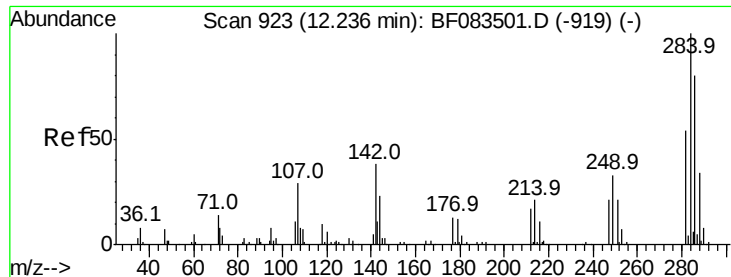
Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 233287 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 99.1  | 79.2  | 118.8  |
| 141       | 77.1  | 58.2  | 87.4   |

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





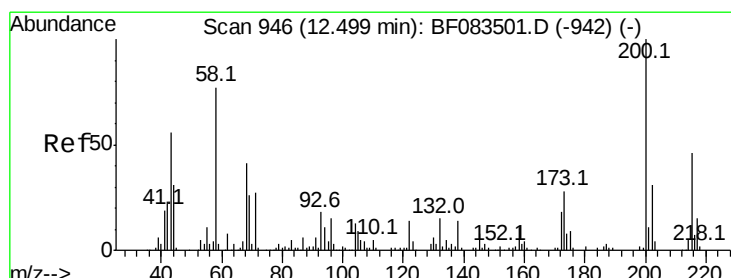
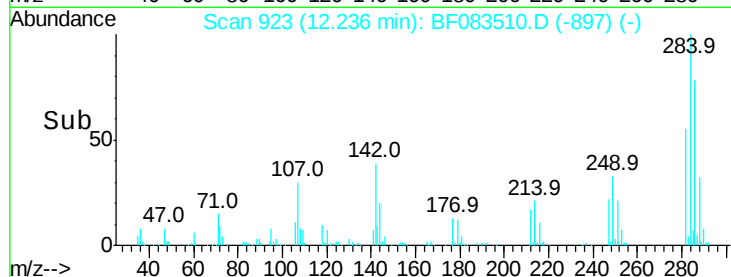
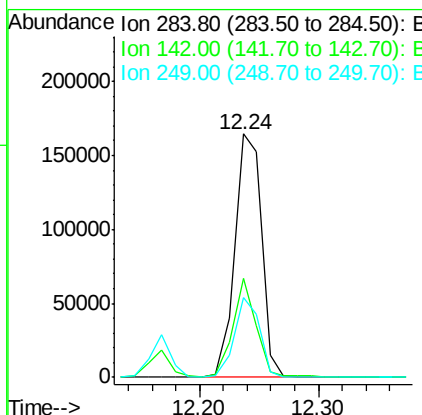
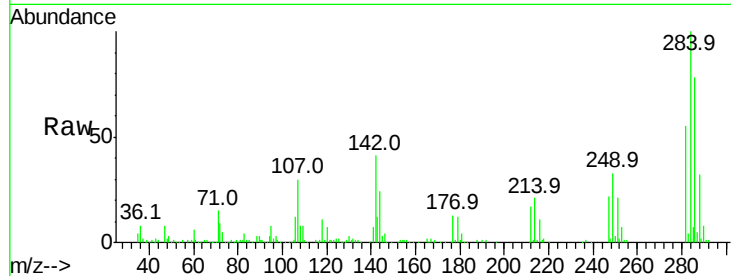
#67  
Hexachlorobenzene  
Concen: 45.67 ng  
RT: 12.24 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 257255 |       |       |
| 142     | 40.5  | 31.0   | 46.4  |       |
| 249     | 32.7  | 26.9   | 40.3  |       |

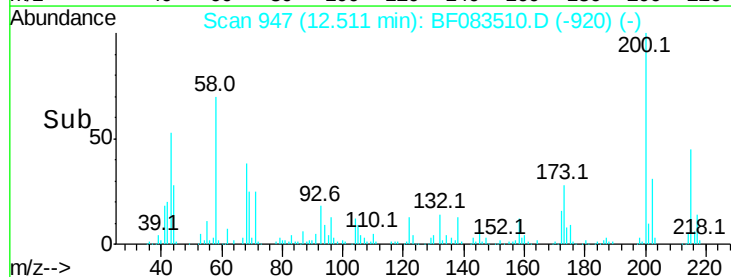
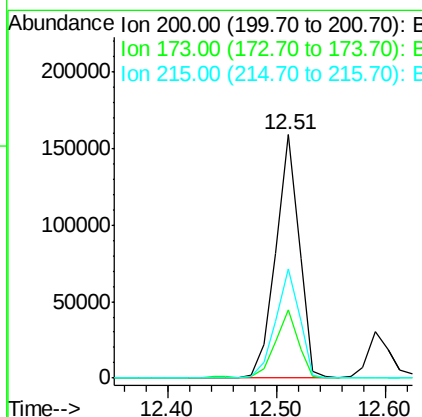
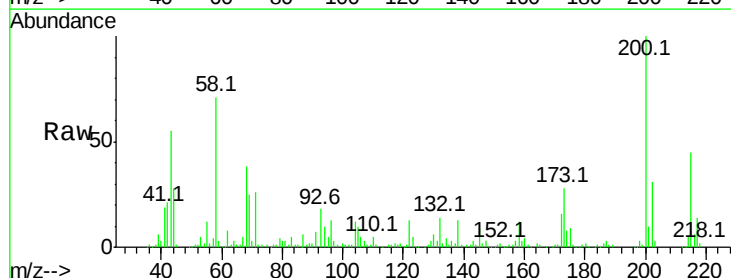
Manual Integrations  
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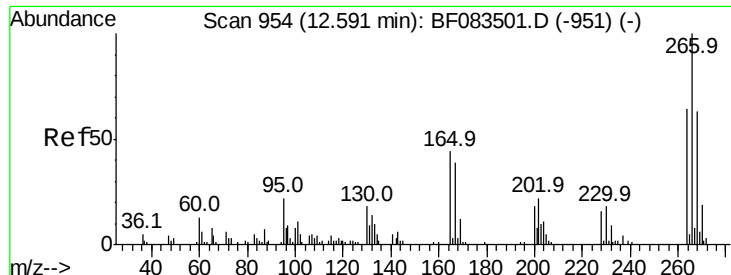
Mmdadoda  
12/7/2015 6:30:54 PM



#68  
Atrazine  
Concen: 49.56 ng  
RT: 12.51 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 239257 |       |       |
| 173     | 28.0  | 7.8    | 47.8  |       |
| 215     | 45.0  | 25.7   | 65.7  |       |





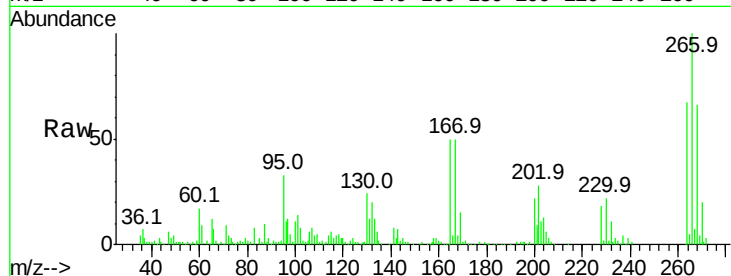
#69  
 Pentachlorophenol  
 Concen: 97.68 ng  
 RT: 12.59 min Scan# 954  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

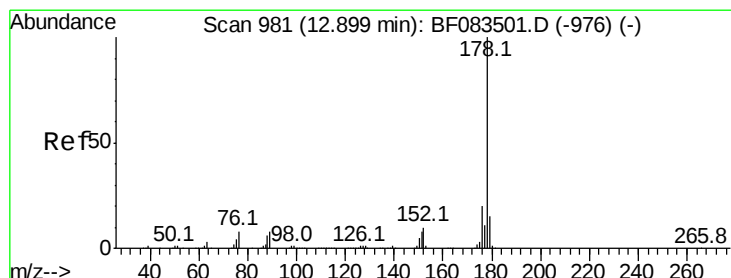
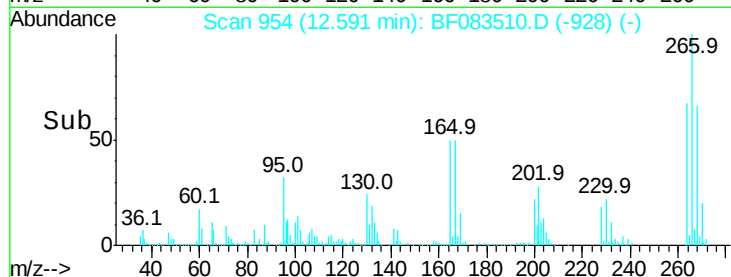
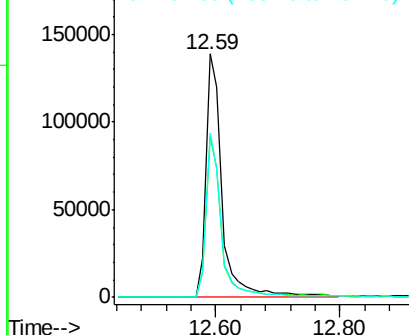
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 252777 |       |       |
| 268     | 65.8  | 50.2   | 75.2  |       |
| 264     | 67.2  | 51.4   | 77.2  |       |

Manual Integrations  
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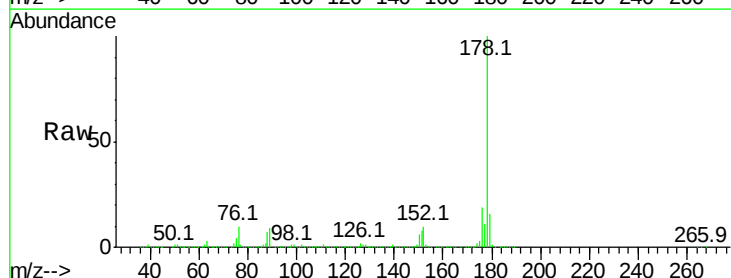


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

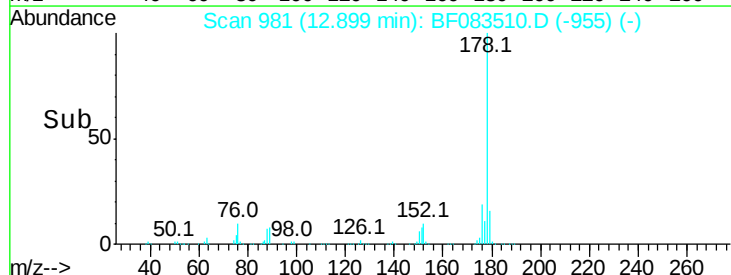
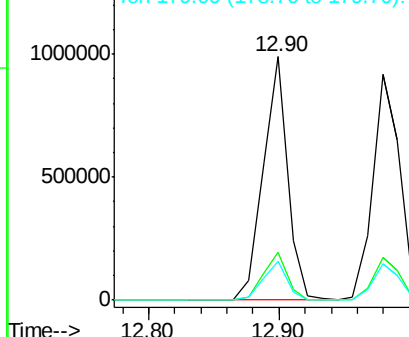


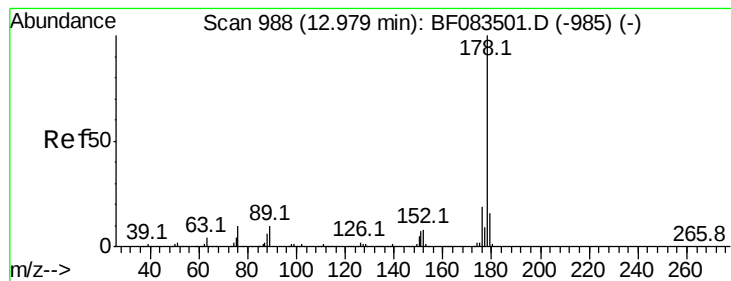
#70  
 Phenanthrene  
 Concen: 46.46 ng  
 RT: 12.90 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1304131 |       |       |
| 176     | 19.4  | 15.7    | 23.5  |       |
| 179     | 16.1  | 12.2    | 18.4  |       |



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





#71

Anthracene

Concen: 46.82 ng

RT: 12.98 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

20151124MGP211BRV71MSD

Tot Ion:178 Resp: 1340294

Ion Ratio Lower Upper

178 100

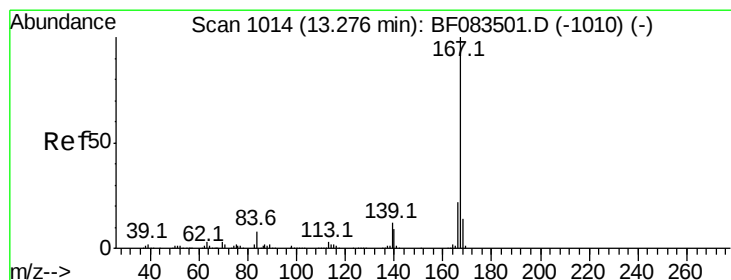
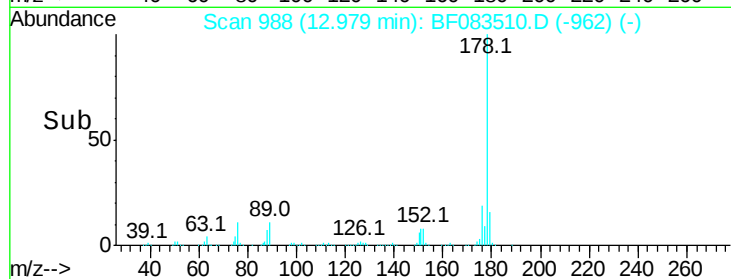
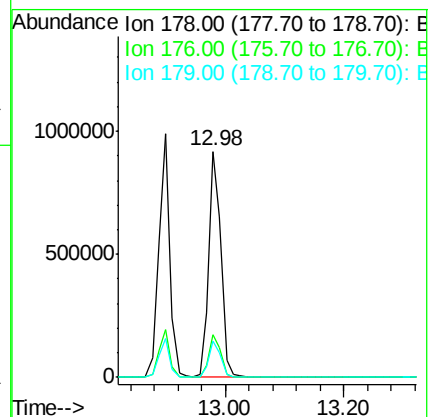
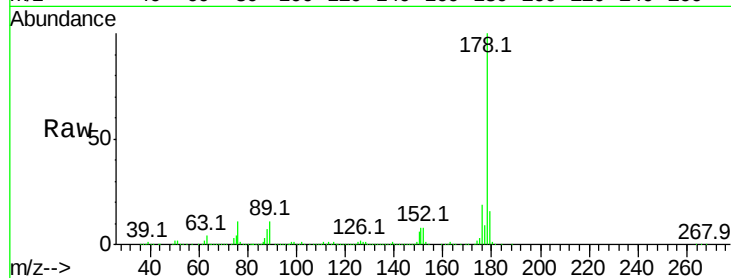
176 18.7 15.2 22.8

179 15.9 12.6 18.8

Manual Integrations  
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#72

Carbazole

Concen: 49.70 ng

RT: 13.28 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

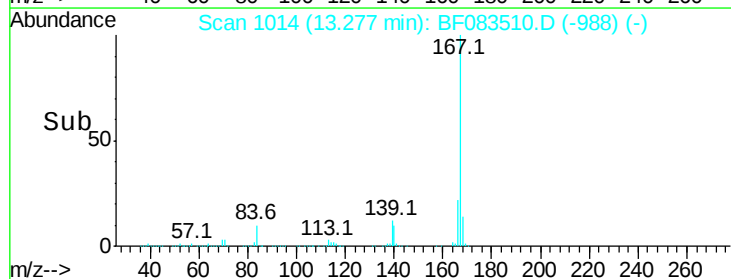
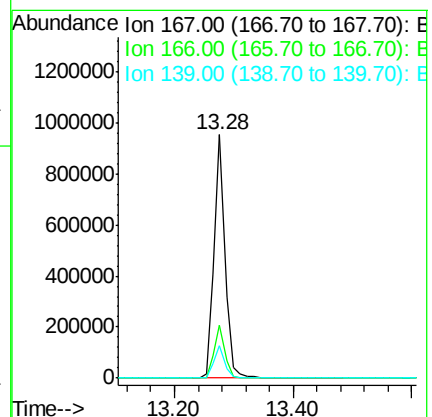
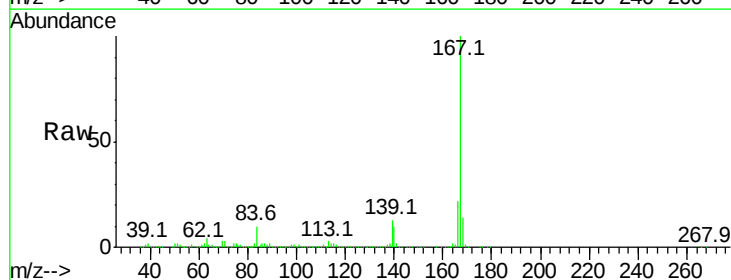
Tgt Ion:167 Resp: 1221693

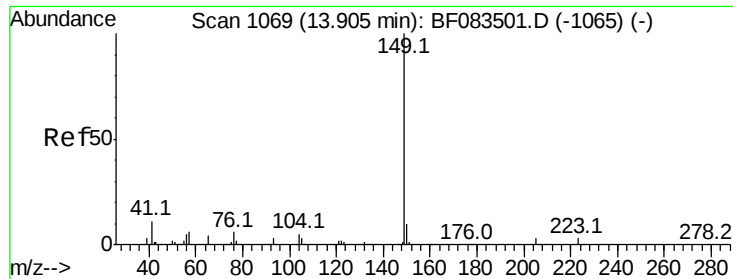
Ion Ratio Lower Upper

167 100

166 22.0 17.2 25.8

139 13.3 9.3 13.9





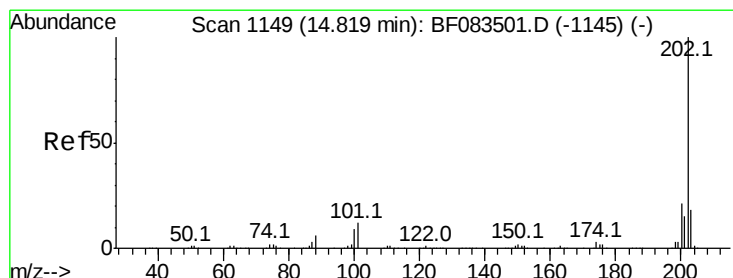
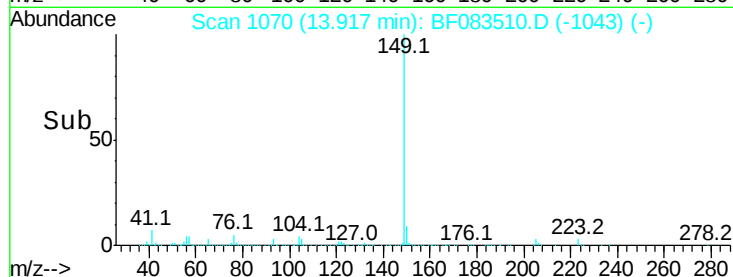
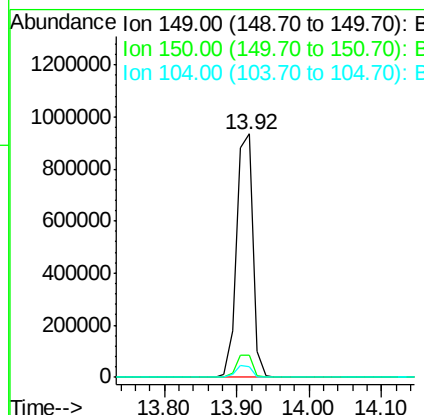
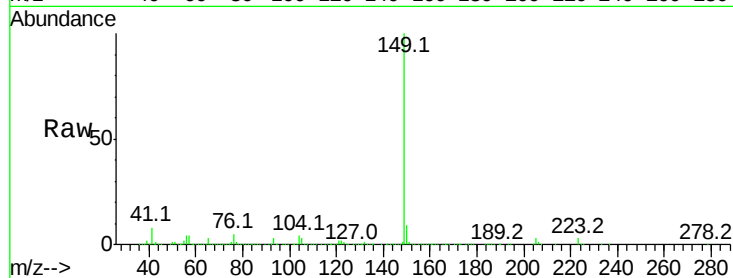
#73  
Di-n-butylphthalate  
Concen: 49.13 ng  
RT: 13.92 min Scan# 1070  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.0   | 7.8   | 11.6  |
| 104     | 4.4   | 3.9   | 5.9   |

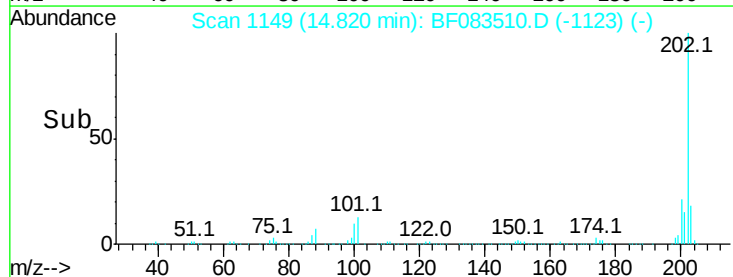
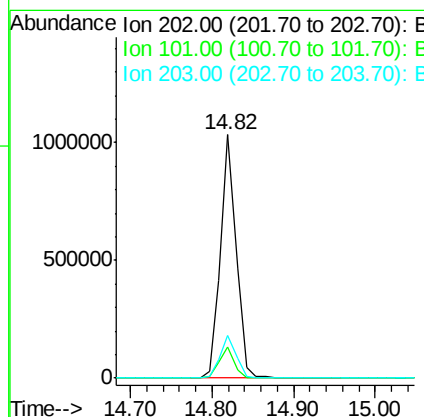
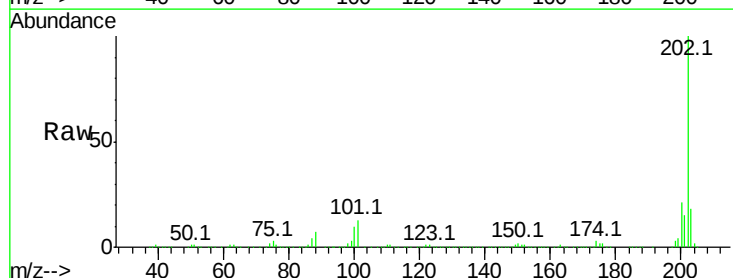
Manual Integrations  
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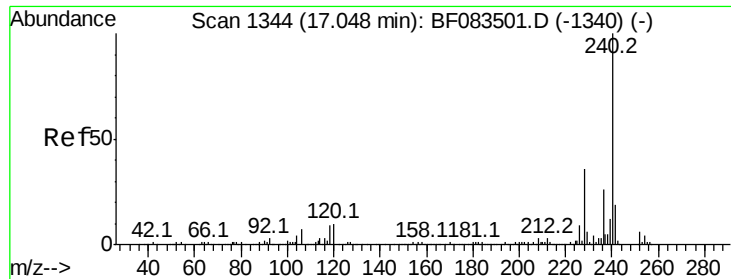
Mmdadoda  
12/7/2015 6:30:54 PM



#74  
Fluoranthene  
Concen: 49.55 ng  
RT: 14.82 min Scan# 1149  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 31.5  |
| 203     | 17.6  | 0.0   | 37.6  |





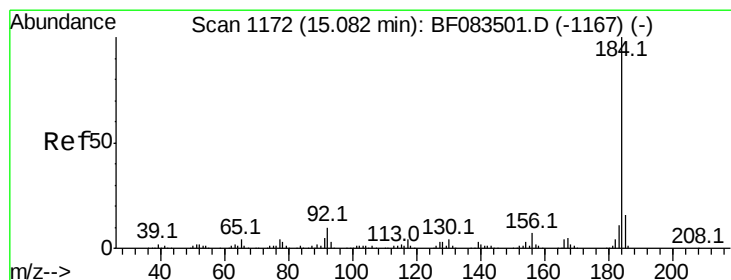
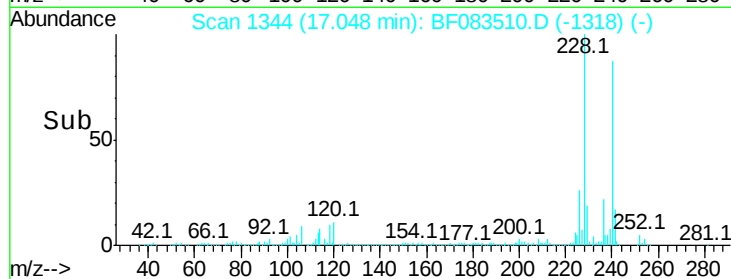
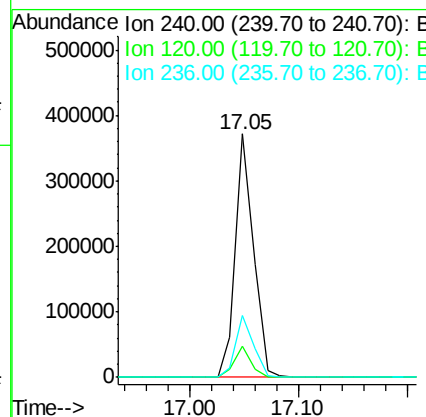
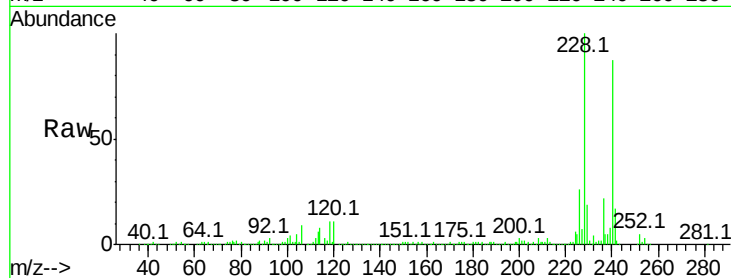
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 17.05 min Scan# 1344  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.0  | 8.1   | 12.1# |
| 236     | 25.7  | 20.8  | 31.2  |

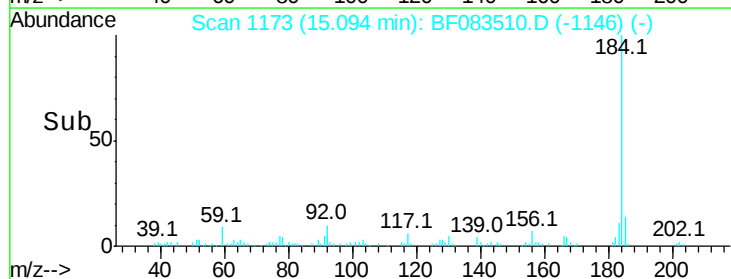
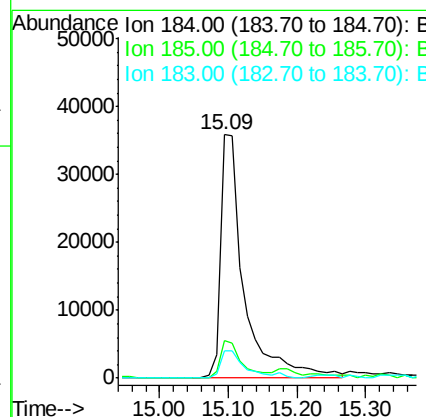
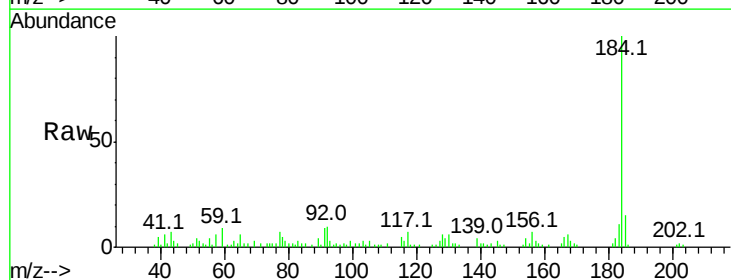
Manual Integrations  
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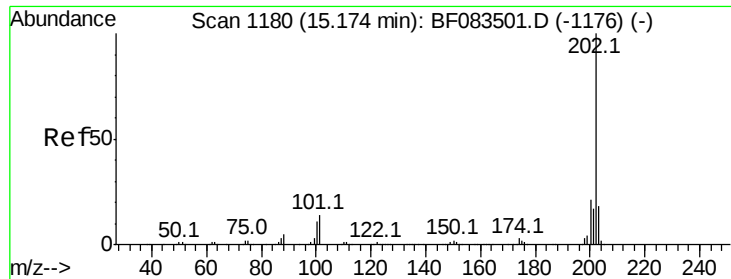
Mmdadoda  
 12/7/2015 6:30:54 PM



#76  
 Benzidine  
 Concen: 5.62 ng  
 RT: 15.09 min Scan# 1173  
 Delta R.T. 0.01 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 15.3  | 13.0  | 19.6  |
| 183     | 11.4  | 9.0   | 13.4  |





#77

Pvrene

Concen: 43.77 ng

RT: 15.17 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

Instrument :

BNA\_F

ClientSampleId :

20151124MGP211BRV71MSD

Tot Ion:202 Resp: 1402157

Ion Ratio Lower Upper

202 100

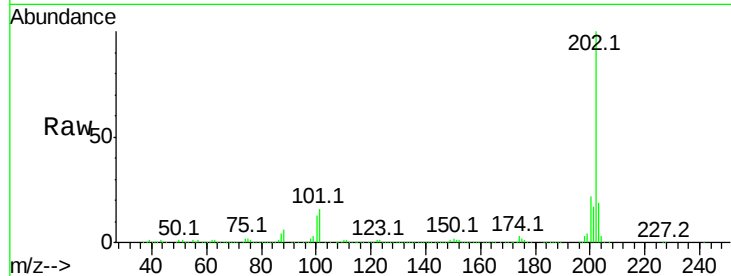
200 21.6 16.7 25.1

203 19.0 14.3 21.5

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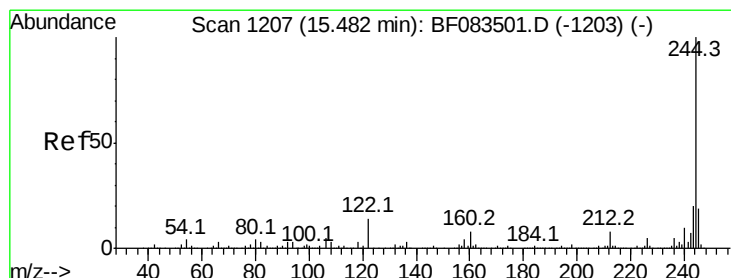
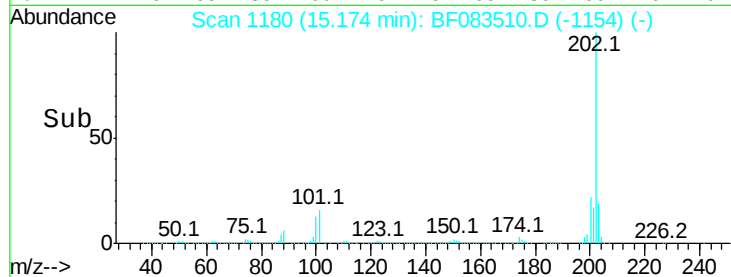
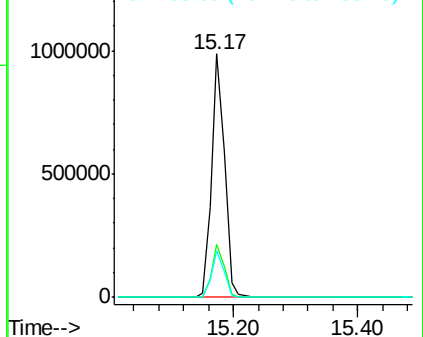
12/7/2015 6:30:54 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.27 ng

RT: 15.49 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BF083510.D

Acq: 5 Dec 2015 12:58

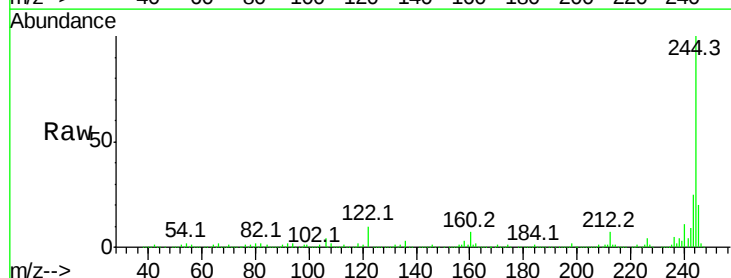
Tgt Ion:244 Resp: 1621961

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

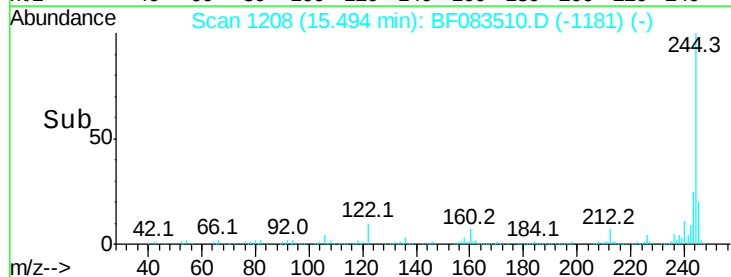
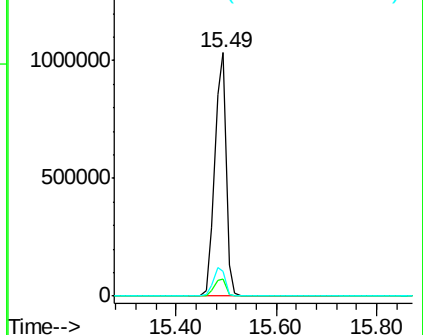
122 10.0 11.0 16.6#

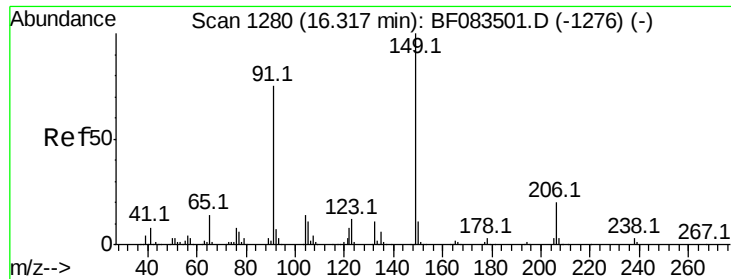


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





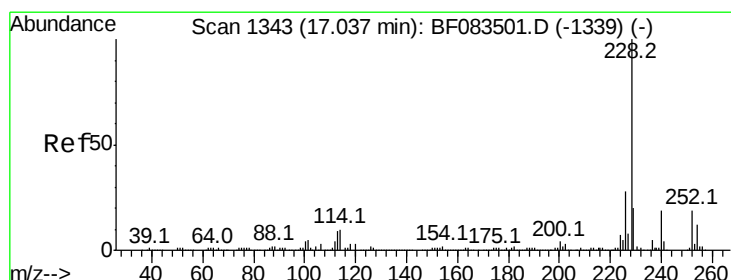
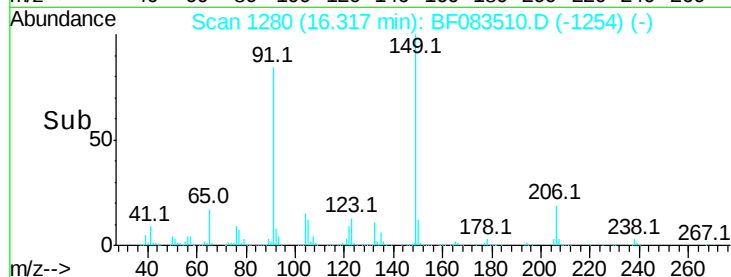
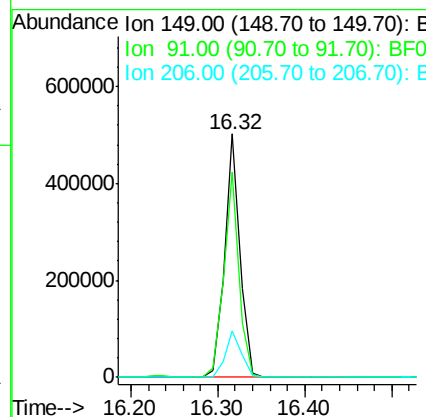
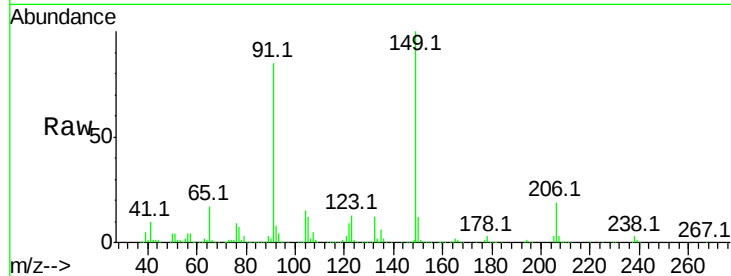
#79  
Butylbenzylphthalate  
Concen: 49.79 ng  
RT: 16.32 min Scan# 1280  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 627266 |       |       |
| 91      | 84.5  | 60.0   | 90.0  |       |
| 206     | 19.0  | 16.2   | 24.4  |       |

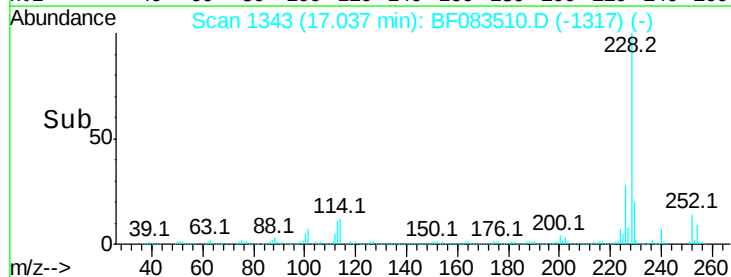
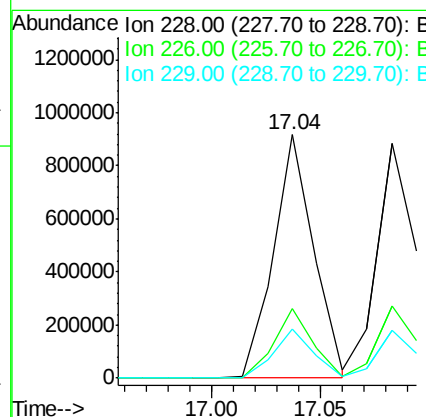
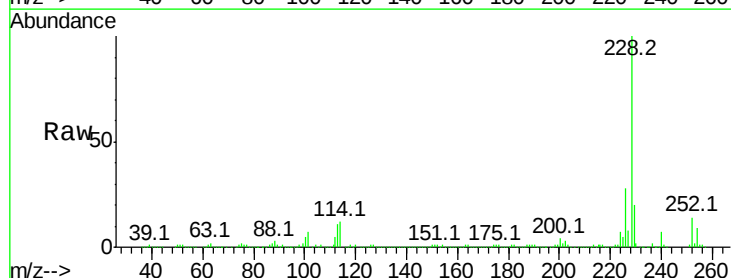
Manual Integrations  
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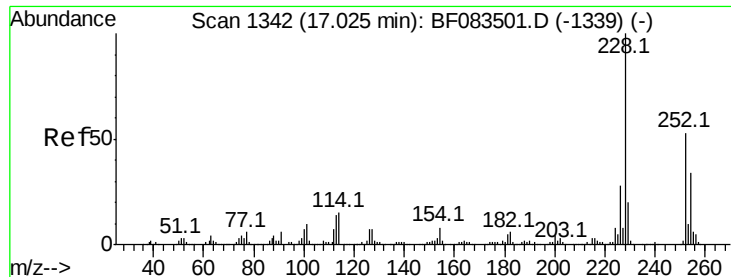
Mmdadoda  
12/7/2015 6:30:54 PM



#80  
Benzo(a)anthracene  
Concen: 47.33 ng  
RT: 17.04 min Scan# 1343  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1185868 |       |       |
| 226     | 28.3  | 22.3    | 33.5  |       |
| 229     | 20.4  | 15.7    | 23.5  |       |





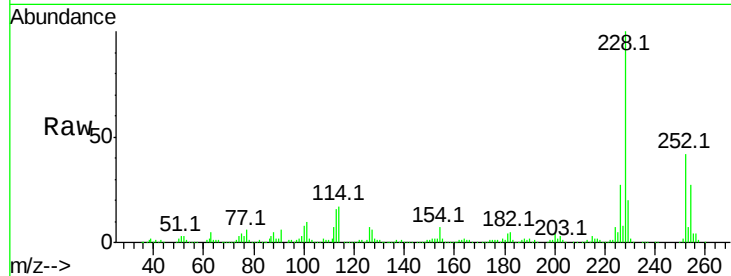
#81  
 3,3'-Dichlorobenzidine  
 Concen: 27.54 ng  
 RT: 17.03 min Scan# 1342  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

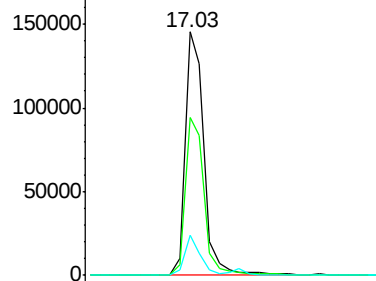
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 220690 |       |       |
| 254     | 64.6  | 50.6   | 76.0  |       |
| 126     | 16.7  | 11.0   | 16.4  |       |

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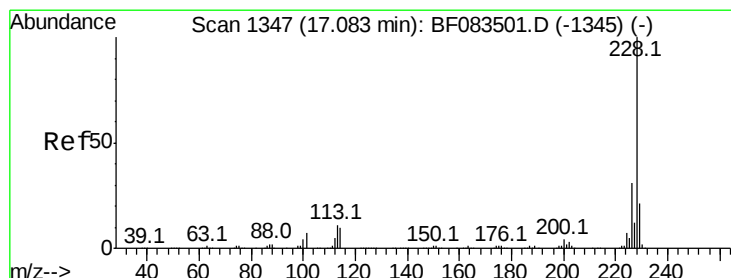
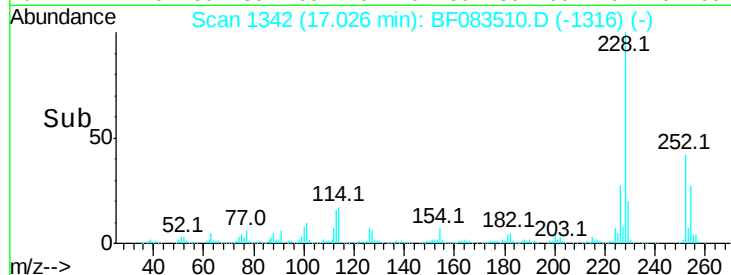
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Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

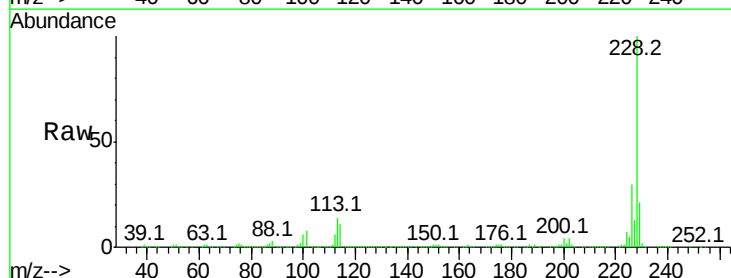


Time-->

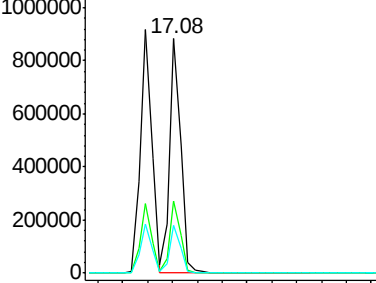


#82  
 Chrysene  
 Concen: 44.45 ng  
 RT: 17.08 min Scan# 1347  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

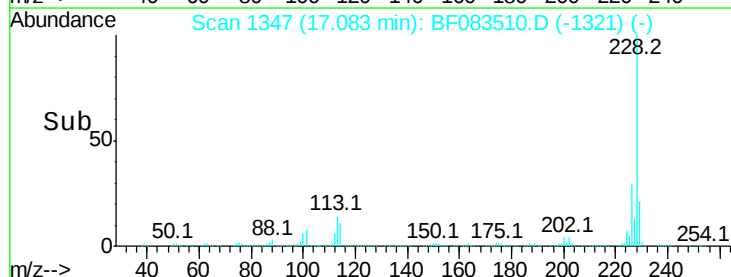
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1109648 |       |       |
| 226     | 30.5  | 24.7    | 37.1  |       |
| 229     | 20.6  | 16.3    | 24.5  |       |

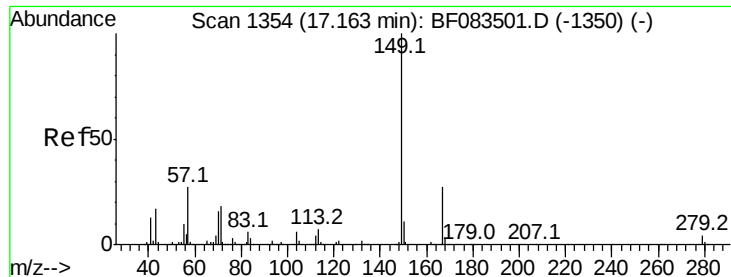


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E



Time-->





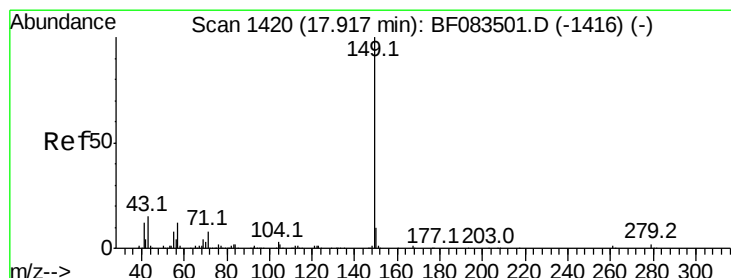
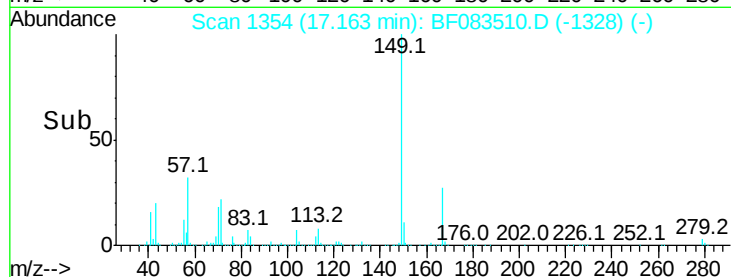
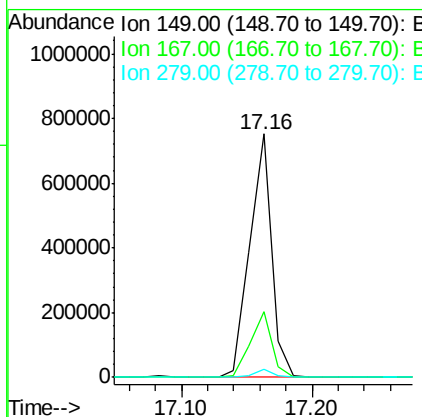
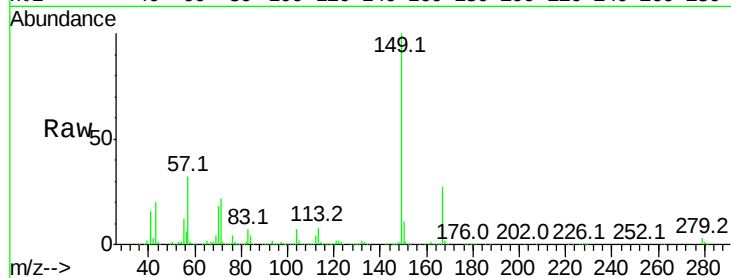
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 52.89 ng  
RT: 17.16 min Scan# 1354  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 874373 |       |       |
| 167     | 26.7  | 21.8   | 32.8  |       |
| 279     | 3.3   | 3.0    | 4.4   |       |

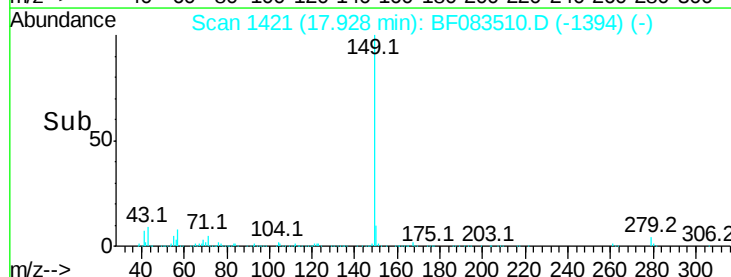
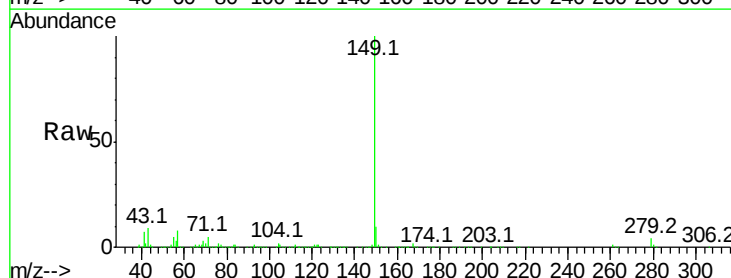
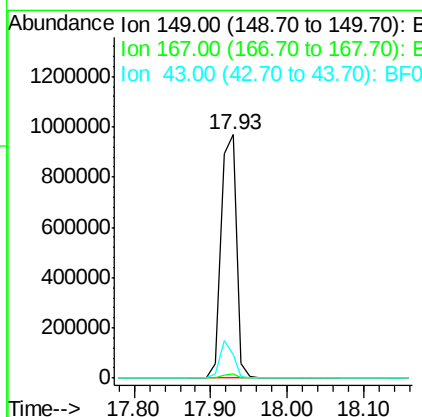
Manual Integrations  
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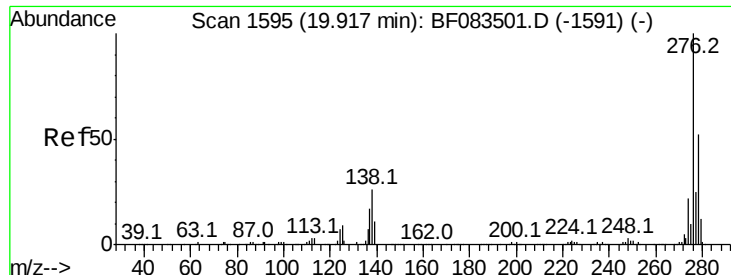
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#84  
Di-n-octyl phthalate  
Concen: 58.02 ng  
RT: 17.93 min Scan# 1421  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1367887 |       |       |
| 167     | 1.5   | 0.0     | 0.0#  |       |
| 43      | 13.1  | 0.0     | 0.0#  |       |





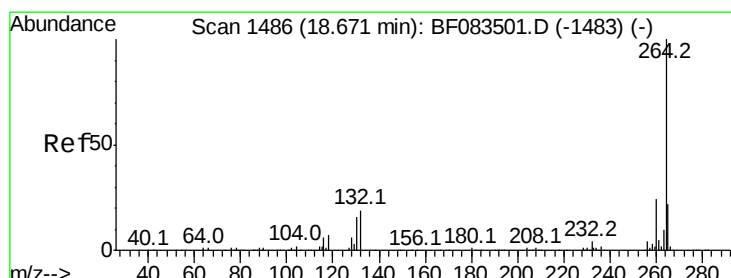
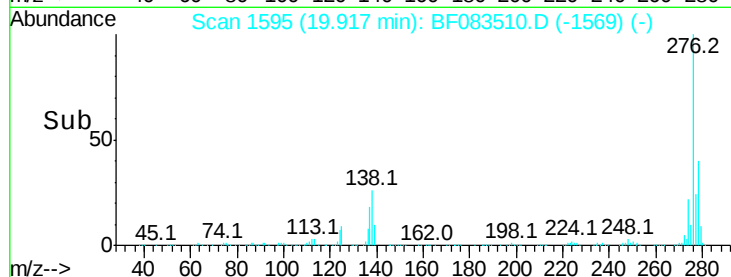
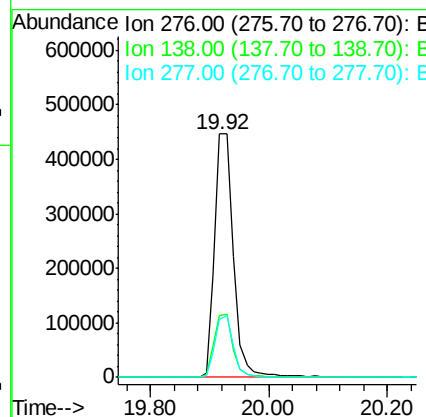
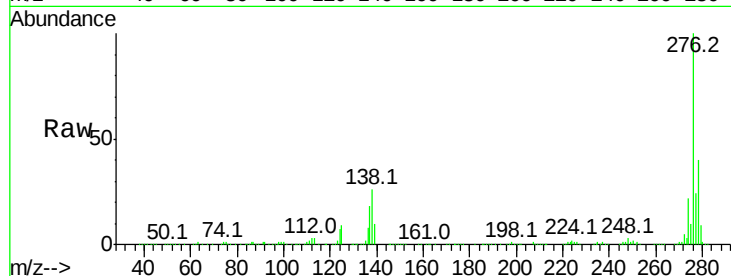
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.13 ng  
 RT: 19.92 min Scan# 1595  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 26.4  | 0.0        | 0.0#  |
| 277     | 24.8  | 0.0        | 0.0#  |

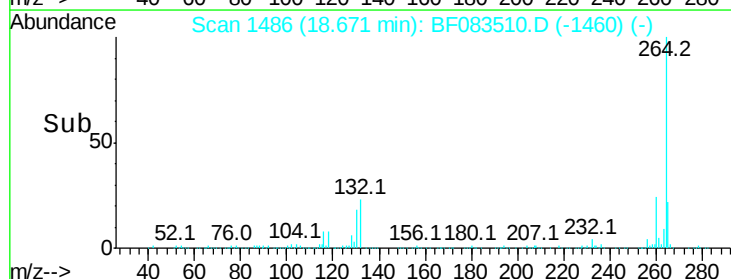
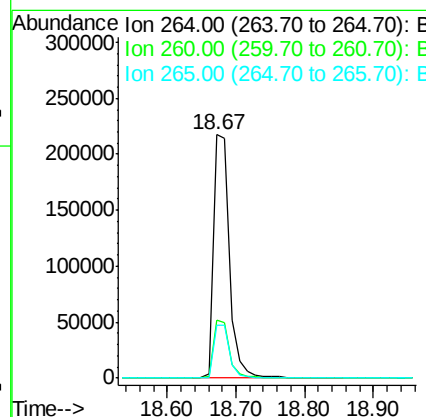
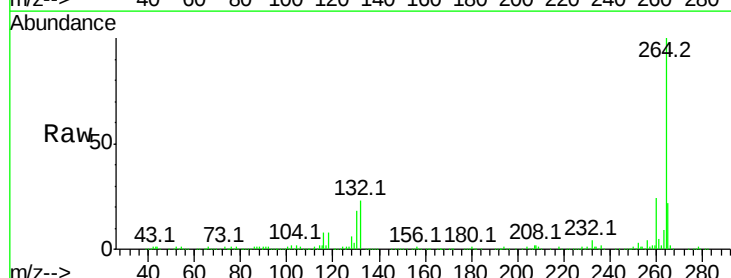
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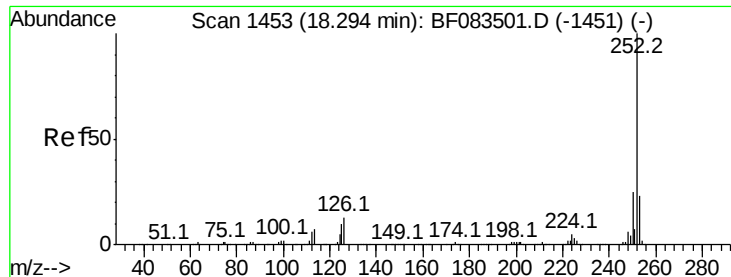
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.67 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 24.0  | 19.4       | 29.0  |
| 265     | 21.6  | 17.8       | 26.6  |





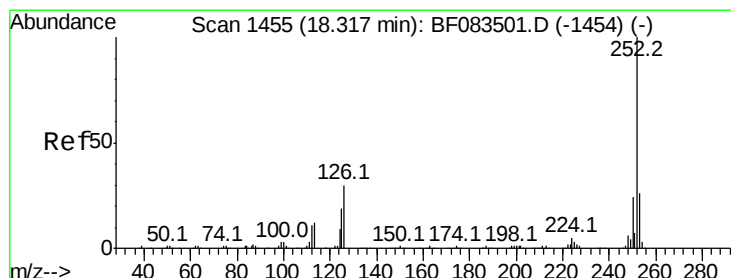
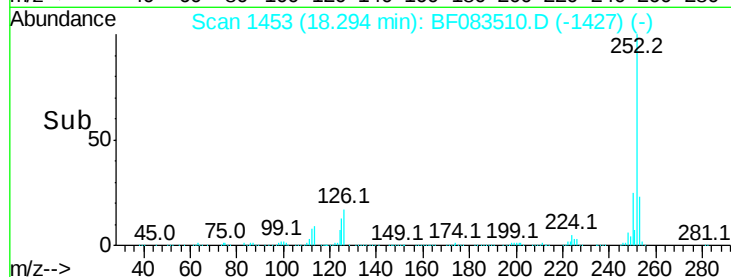
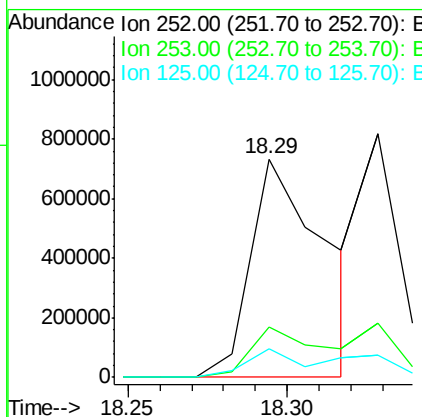
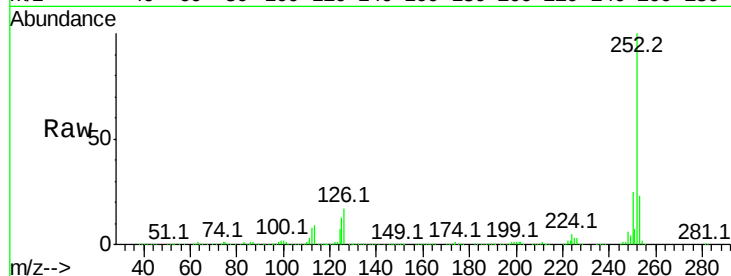
#87  
Benzo(b)fluoranthene  
Concen: 59.79 ng m  
RT: 18.29 min Scan# 1453  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.2  | 27.4  |
| 125     | 13.0  | 8.2   | 12.4# |

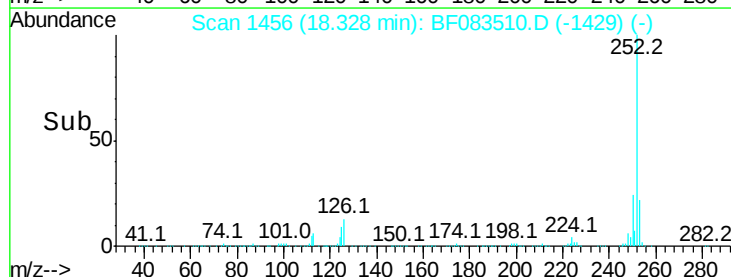
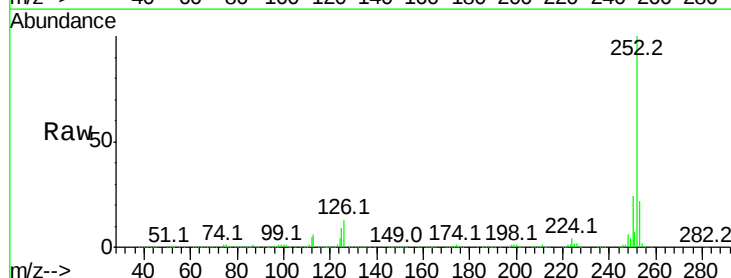
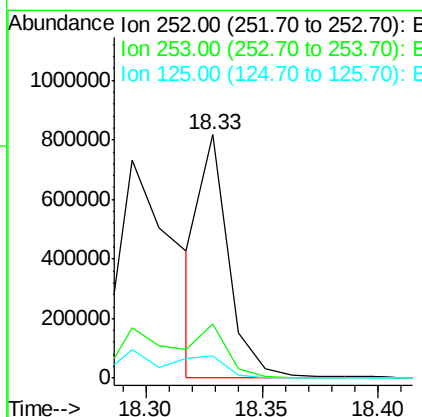
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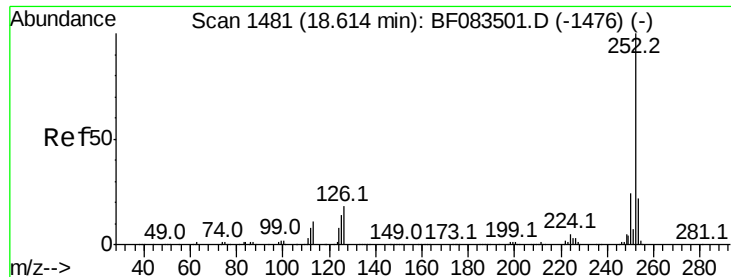
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#88  
Benzo(k)fluoranthene  
Concen: 34.28 ng m  
RT: 18.33 min Scan# 1456  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.6  | 27.8  |
| 125     | 9.0   | 11.5  | 17.3# |





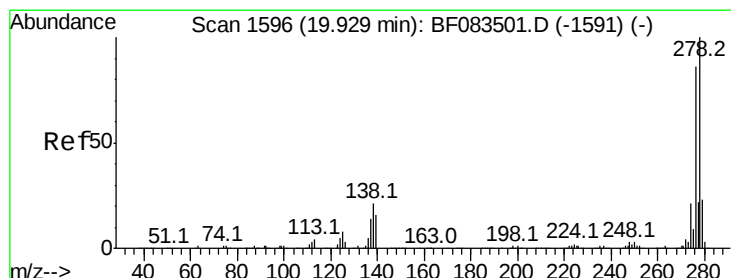
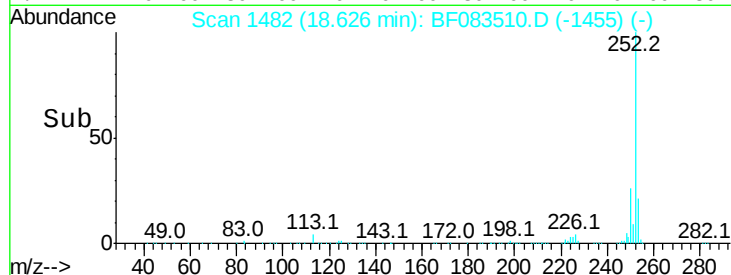
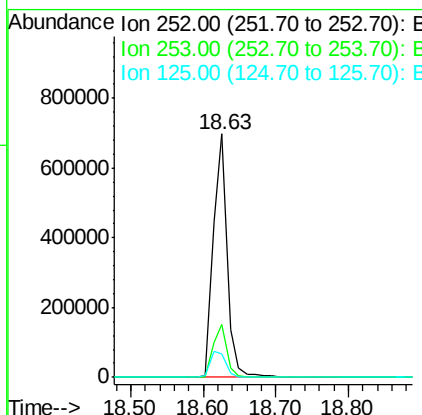
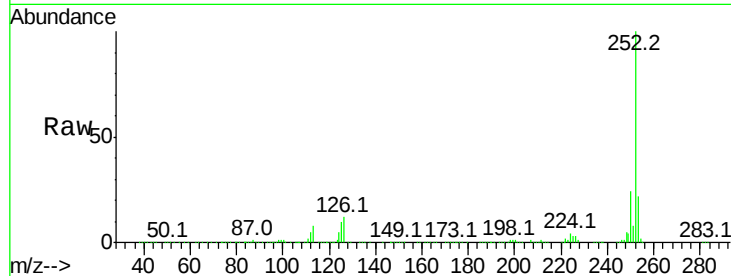
#89  
Benzo(a)pyrene  
Concen: 47.22 ng  
RT: 18.63 min Scan# 1482  
Delta R.T. 0.01 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.5  | 26.3  |
| 125     | 9.6   | 11.0  | 16.6  |

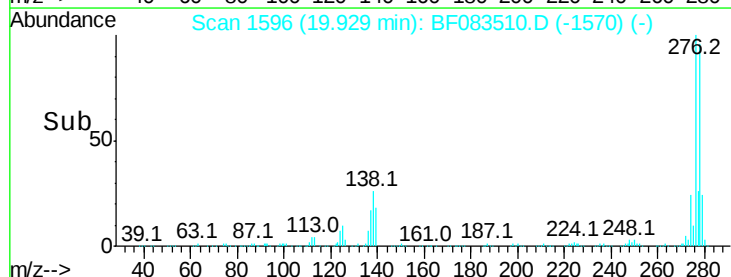
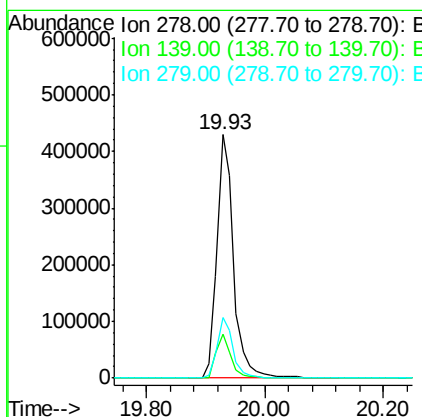
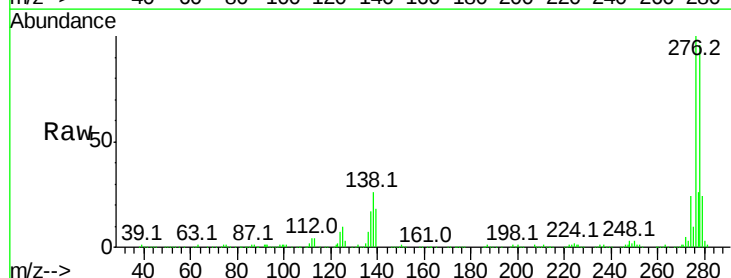
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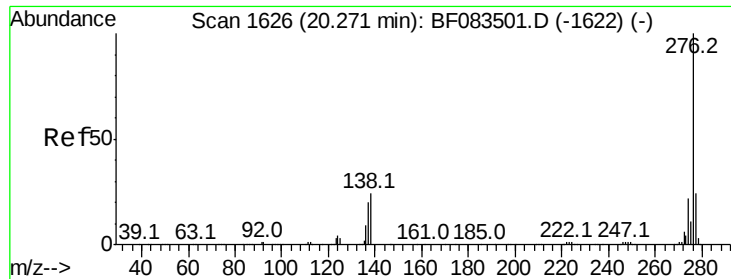
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#90  
Dibenzo(a,h)anthracene  
Concen: 44.64 ng  
RT: 19.93 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: BF083510.D  
Acq: 5 Dec 2015 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.3  | 12.8  | 19.2  |
| 279     | 24.8  | 18.6  | 28.0  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 44.34 ng  
 RT: 20.28 min Scan# 1627  
 Delta R.T. 0.01 min  
 Lab File: BF083510.D  
 Acq: 5 Dec 2015 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151124MGP211BRV71MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.7  | 19.2  | 28.8  |
| 138     | 21.3  | 19.5  | 29.3  |

Manual Integrations  
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