

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\  
 Data File : BF083607.D  
 Acq On : 8 Dec 2015 21:21  
 Operator : UM/IZ  
 Sample : PB87111BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

Manual Integrations  
 APPROVED

Mmdadoda  
 12/9/2015 6:13:24 PM

Quant Time: Dec 17 10:20:31 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 09:56:43 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.70  | 152  | 136274   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.60  | 136  | 545003   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.38 | 164  | 269919   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.79 | 188  | 505068   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.99 | 240  | 421432   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 18.64 | 264  | 336598   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 4.00  | 112 | 1179655 | 131.30 | ng | 0.02 |
| 7) Phenol-d6             | 5.28  | 99  | 1514702 | 126.17 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 6.53  | 82  | 964708  | 82.59  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.69 | 330 | 306147  | 127.31 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.34  | 172 | 1603021 | 83.59  | ng | 0.00 |
| 78) Terphenyl-d14        | 15.41 | 244 | 1562198 | 87.22  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.89 | 88  | 165137  | 37.20 | ng | # 83   |
| 3) Pyridine                    | 2.32 | 79  | 492478  | 45.67 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 2.28 | 42  | 258861  | 45.59 | ng | 94     |
| 6) Aniline                     | 5.26 | 93  | 387545  | 26.20 | ng | # 89   |
| 8) 2-Chlorophenol              | 5.42 | 128 | 434899  | 44.26 | ng | 94     |
| 9) Benzaldehyde                | 5.12 | 77  | 117586  | 15.51 | ng | 98     |
| 10) Phenol                     | 5.29 | 94  | 646020  | 44.43 | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 5.36 | 93  | 440513  | 41.18 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 5.61 | 146 | 462757  | 42.26 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 5.72 | 146 | 473110  | 42.11 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 5.94 | 146 | 457365  | 43.86 | ng | 97     |
| 15) Benzyl Alcohol             | 5.95 | 79  | 431335  | 50.50 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.12 | 45  | 831508  | 42.03 | ng | # 61   |
| 17) 2-Methylphenol             | 6.14 | 107 | 371322  | 46.45 | ng | 93     |
| 18) Hexachloroethane           | 6.41 | 117 | 169572  | 42.74 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 6.34 | 70  | 372616  | 44.47 | ng | 97     |
| 20) 3+4-Methylphenols          | 6.38 | 107 | 472699  | 44.90 | ng | 97     |
| 22) Acetophenone               | 6.32 | 105 | 622957  | 40.75 | ng | # 98   |
| 24) Nitrobenzene               | 6.56 | 77  | 523300  | 40.54 | ng | 97     |
| 25) Isophorone                 | 6.93 | 82  | 954251  | 42.10 | ng | 99     |
| 26) 2-Nitrophenol              | 7.04 | 139 | 223292  | 43.56 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.16 | 122 | 396645  | 44.23 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.29 | 93  | 578438  | 45.96 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.45 | 162 | 372601  | 45.69 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.53 | 180 | 376784  | 41.83 | ng | 97     |
| 31) Naphthalene                | 7.63 | 128 | 1237866 | 42.88 | ng | 99     |
| 32) Benzoic acid               | 7.48 | 122 | 222401  | 39.28 | ng | 97     |
| 33) 4-Chloroaniline            | 7.78 | 127 | 184637  | 17.54 | ng | 95     |
| 34) Hexachlorobutadiene        | 7.84 | 225 | 223969  | 42.56 | ng | 99     |
| 35) Caprolactam                | 8.37 | 113 | 122266m | 49.95 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.62 | 107 | 416494  | 45.46 | ng | 92     |
| 37) 2-Methylnaphthalene        | 8.73 | 142 | 836803  | 46.15 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 363972  | 41.07 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 8.98 | 237 | 157499  | 75.99 | ng | 99     |

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 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

Manual Integrations  
 APPROVED

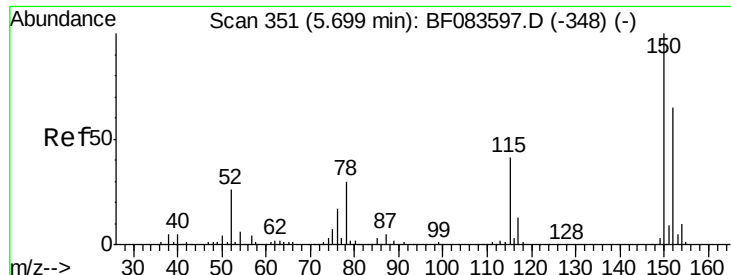
Mmdadoda  
 12/9/2015 6:13:24 PM

Quant Time: Dec 17 10:20:31 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.23  | 196  | 223297   | 42.35 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.31  | 196  | 235841   | 45.18 | nq    | # 89     |
| 45) 1,1'-Biphenyl              | 9.49  | 154  | 966389   | 41.19 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.50  | 162  | 766691   | 43.28 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.72  | 65   | 297003   | 46.49 | nq    | 97       |
| 48) Acenaphthylene             | 10.16 | 152  | 1248847  | 42.76 | nq    | 100      |
| 49) Dimethylphthalate          | 10.04 | 163  | 949445   | 44.19 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.13 | 165  | 207914   | 46.87 | nq    | 85       |
| 51) Acenaphthene               | 10.44 | 154  | 739133   | 44.20 | nq    | 98       |
| 52) 3-Nitroaniline             | 10.41 | 138  | 116231   | 24.65 | nq    | 81       |
| 53) 2,4-Dinitrophenol          | 10.60 | 184  | 175488   | 79.94 | nq    | 99       |
| 54) Dibenzofuran               | 10.73 | 168  | 1107704  | 47.77 | nq    | 97       |
| 55) 4-Nitrophenol              | 10.81 | 139  | 201984   | 97.31 | nq    | 88       |
| 56) 2,4-Dinitrotoluene         | 10.80 | 165  | 280729   | 47.72 | nq    | # 83     |
| 57) Fluorene                   | 11.28 | 166  | 893197   | 44.14 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.97 | 232  | 205191   | 48.77 | nq    | # 100    |
| 59) Diethylphthalate           | 11.18 | 149  | 923377   | 44.20 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 11.30 | 204  | 423777   | 43.99 | nq    | 99       |
| 61) 4-Nitroaniline             | 11.40 | 138  | 183156   | 42.76 | nq    | 87       |
| 62) Azobenzene                 | 11.56 | 77   | 1144547  | 49.78 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 11.46 | 198  | 141810   | 41.49 | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 11.52 | 169  | 762029   | 45.72 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.09 | 248  | 243616   | 43.24 | nq    | 98       |
| 67) Hexachlorobenzene          | 12.17 | 284  | 274080   | 45.86 | nq    | # 89     |
| 68) Atrazine                   | 12.44 | 200  | 251379   | 50.69 | nq    | 97       |
| 69) Pentachlorophenol          | 12.53 | 266  | 159221   | 95.83 | nq    | 95       |
| 70) Phenanthrene               | 12.82 | 178  | 1313234  | 45.25 | nq    | 99       |
| 71) Anthracene                 | 12.91 | 178  | 1355783  | 45.10 | nq    | 100      |
| 72) Carbazole                  | 13.21 | 167  | 1208246  | 46.87 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.84 | 149  | 1502071  | 46.33 | nq    | 99       |
| 74) Fluoranthene               | 14.75 | 202  | 1347817  | 45.40 | nq    | 100      |
| 76) Benzidine                  | 15.03 | 184  | 408132   | 31.13 | nq    | 97       |
| 77) Pyrene                     | 15.11 | 202  | 1401895  | 46.20 | nq    | 100      |
| 79) Butylbenzylphthalate       | 16.24 | 149  | 627365   | 46.58 | nq    | 90       |
| 80) Benzo(a)anthracene         | 16.98 | 228  | 1136451  | 46.07 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 16.97 | 252  | 261098   | 31.33 | nq    | 99       |
| 82) Chrysene                   | 17.03 | 228  | 1100912  | 44.52 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 17.09 | 149  | 869265   | 46.51 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 17.86 | 149  | 1392183  | 48.74 | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 19.86 | 276  | 754457   | 45.20 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 18.25 | 252  | 864753m  | 45.12 | nq    |          |
| 88) Benzo(k)fluoranthene       | 18.28 | 252  | 1002354m | 47.46 | nq    |          |
| 89) Benzo(a)pyrene             | 18.58 | 252  | 870489   | 46.54 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 19.86 | 278  | 646425   | 45.20 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 20.23 | 276  | 608265   | 43.62 | nq    | 95       |

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





#1

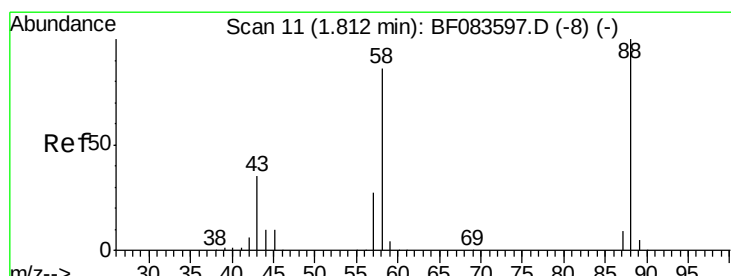
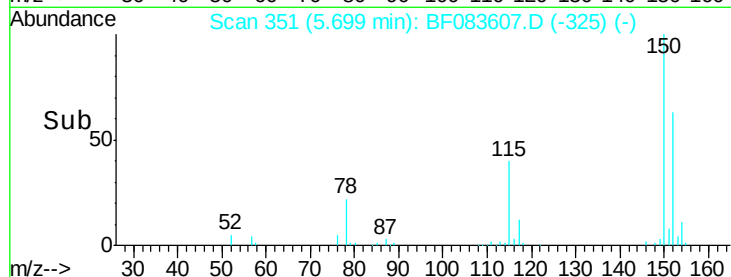
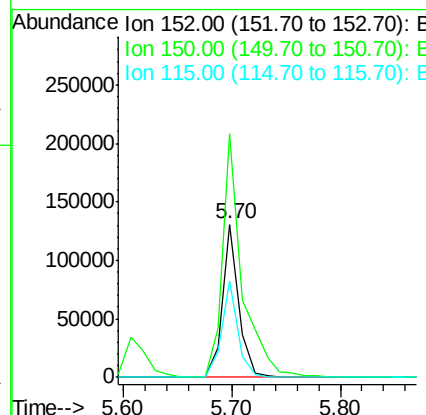
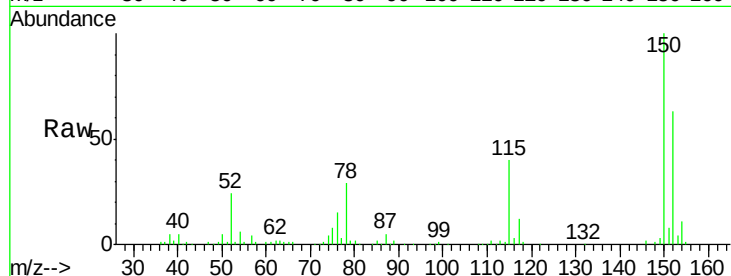
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.70 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.3 | 126.5 | 189.7 |
| 115     | 63.5  | 52.3  | 78.5  |

Manual Integrations  
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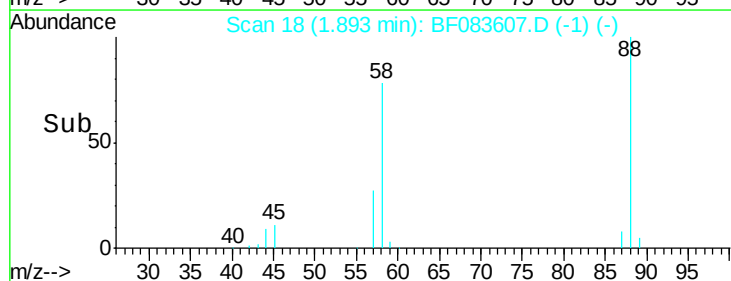
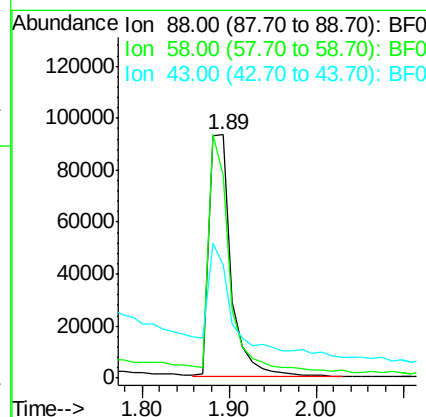
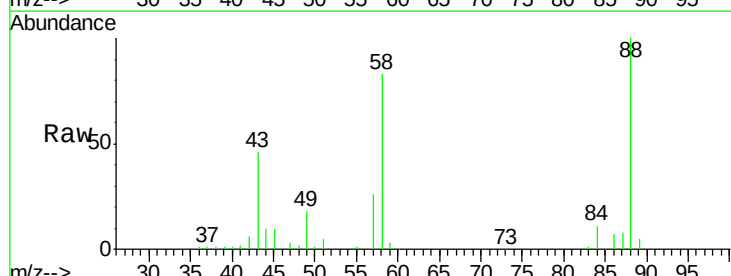
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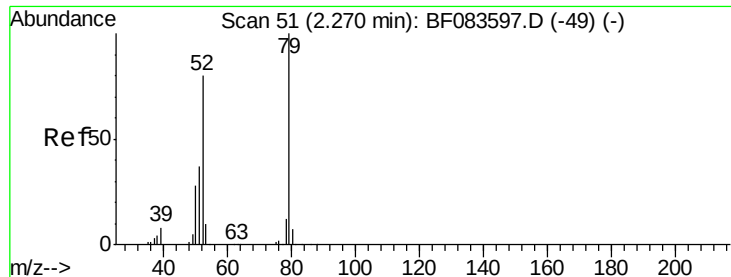


#2

1,4-Dioxane  
Concen: 37.20 ng  
RT: 1.89 min Scan# 18  
Delta R.T. 0.08 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 92.0  | 68.0  | 102.0 |
| 43      | 58.4  | 27.9  | 41.9# |





#3

Pvridine

Concen: 45.67 ng

RT: 2.32 min Scan# 55

Delta R.T. 0.05 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

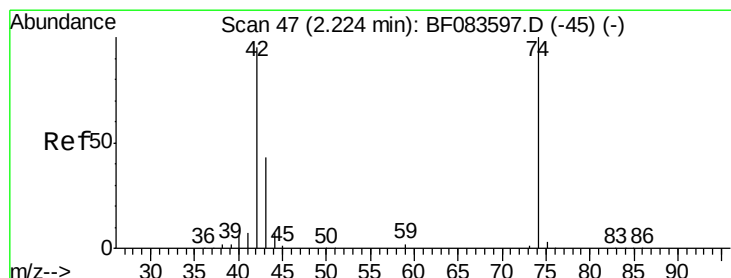
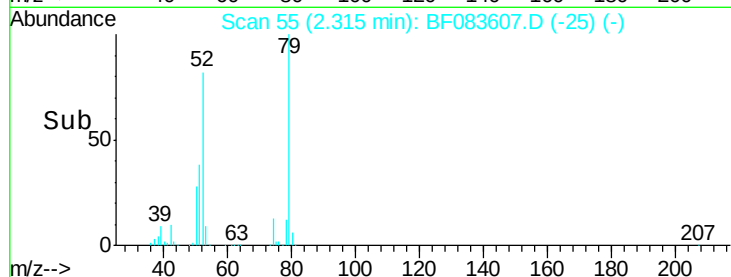
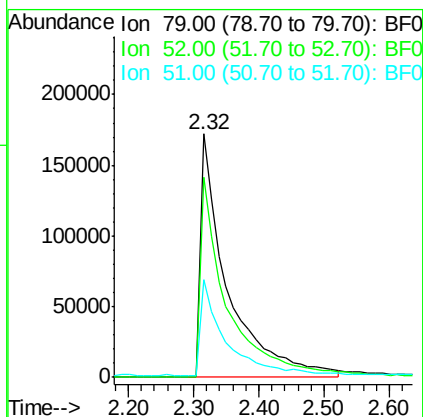
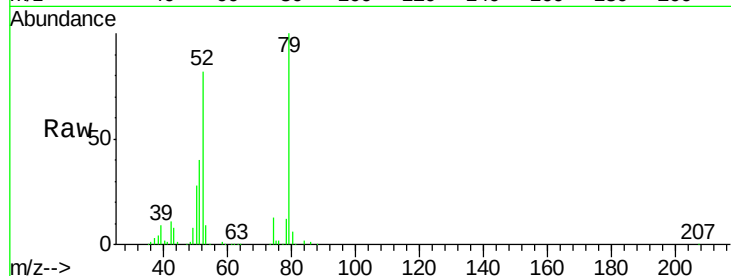
ClientSampleId :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 492478 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 82.2  | 63.7  | 95.5   |
| 51        | 40.1  | 30.6  | 45.8   |

Manual Integrations  
APPROVED

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#4

n-Nitrosodimethylamine

Concen: 45.59 ng

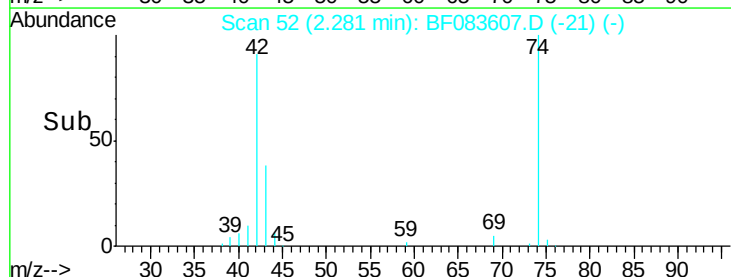
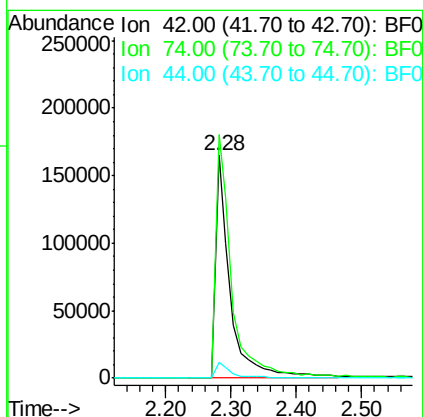
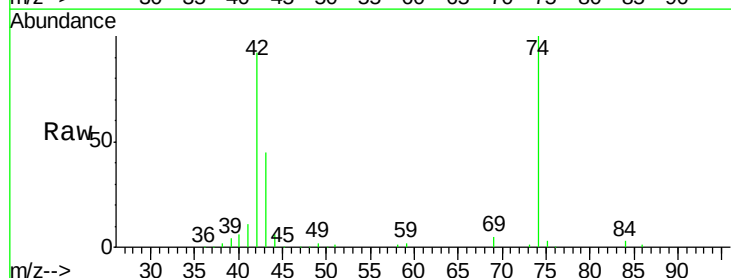
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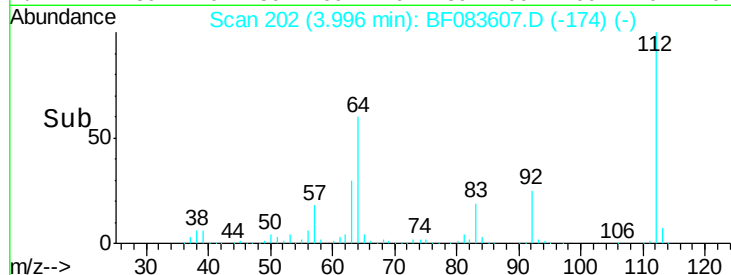
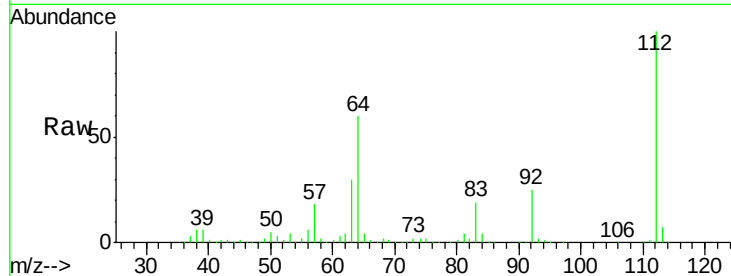
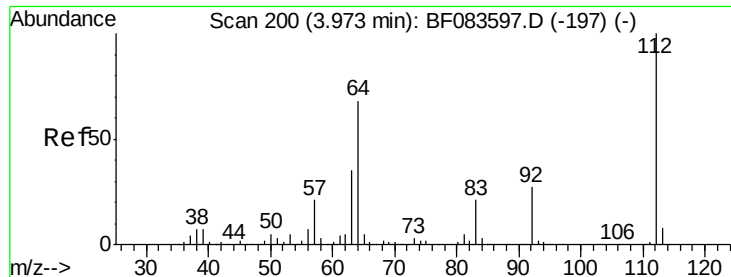
Delta R.T. 0.06 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 258861 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 109.2 | 92.9  | 139.3  |
| 44        | 7.0   | 5.7   | 8.5    |





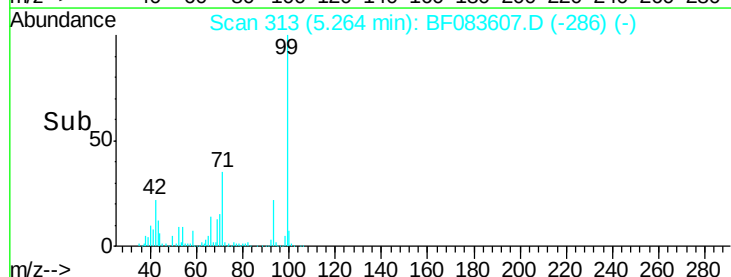
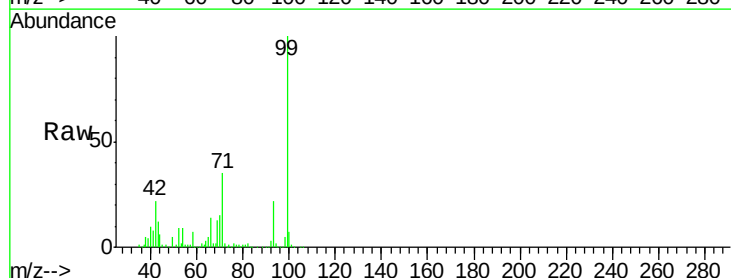
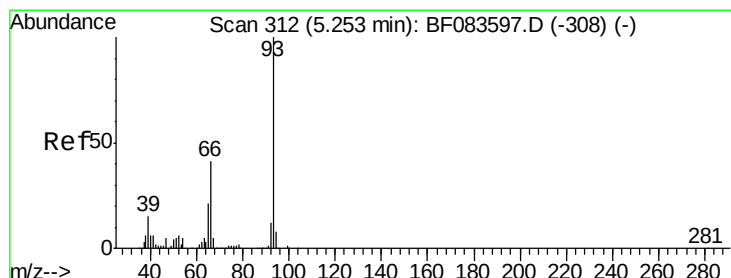
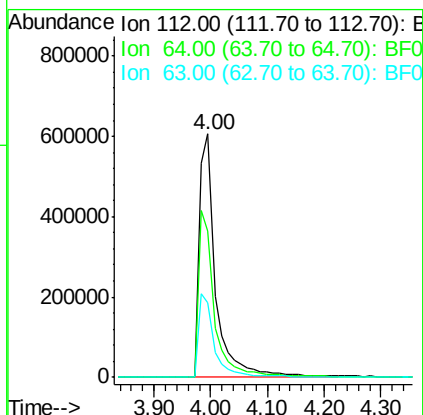
#5  
2-Fluorophenol  
Concen: 131.30 ng  
RT: 4.00 min Scan# 202  
Delta R.T. 0.02 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.1  | 50.5  | 75.7  |
| 63      | 30.4  | 25.8  | 38.6  |

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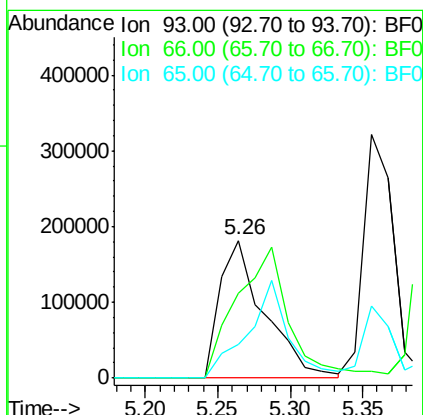
Manual Integrations  
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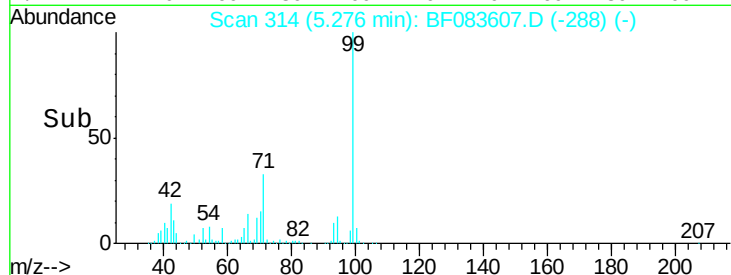
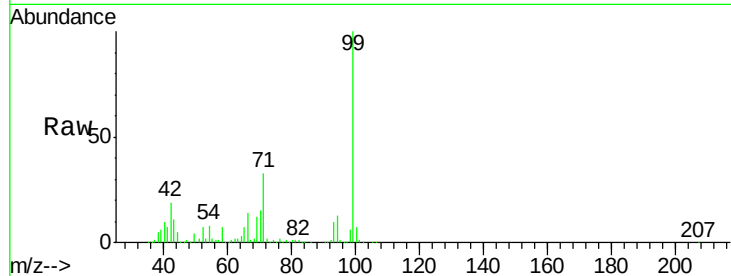
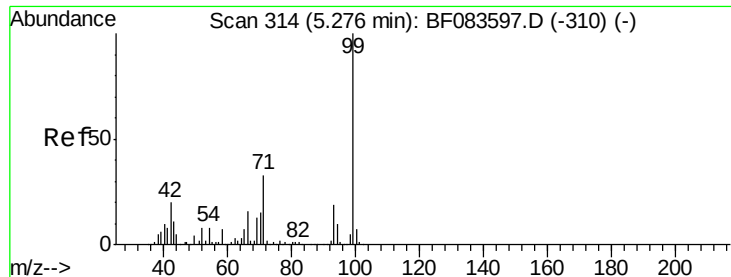
Mmdadoda  
12/9/2015 6:13:24 PM



#6  
Aniline  
Concen: 26.20 ng  
RT: 5.26 min Scan# 313  
Delta R.T. 0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 62.2  | 41.3  | 61.9# |
| 65      | 24.1  | 20.8  | 31.2  |





#7

Phenol-d6

Concen: 126.17 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Tot Ion: 99 Resp: 1514702

Ion Ratio Lower Upper

99 100

42 19.3 17.3 25.9

71 32.5 26.6 40.0

Instrument :

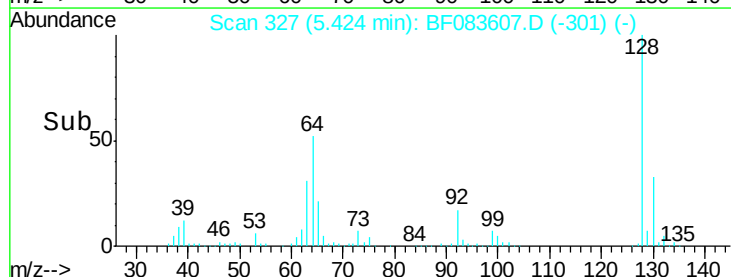
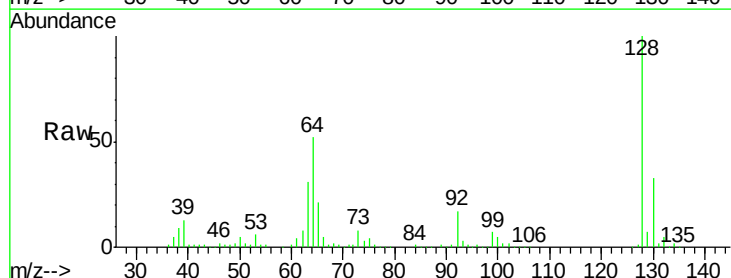
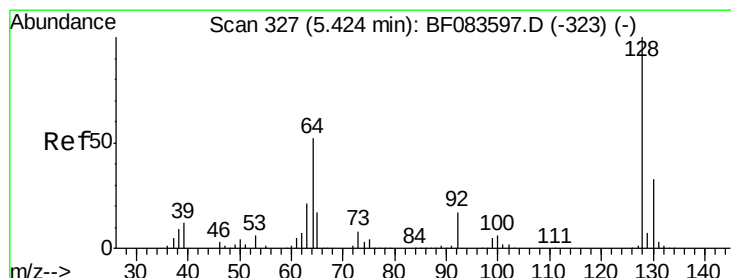
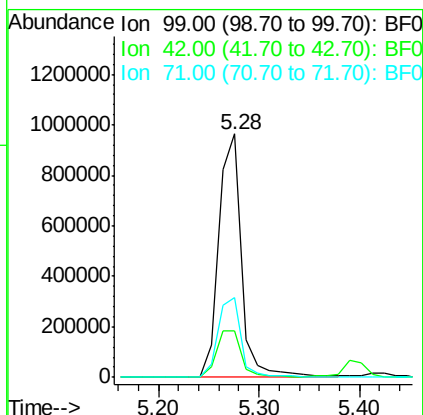
BNA\_F

ClientSampleId :

PB87111BS

Manual Integrations  
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12/9/2015 6:13:24 PM



#8

2-Chlorophenol

Concen: 44.26 ng

RT: 5.42 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

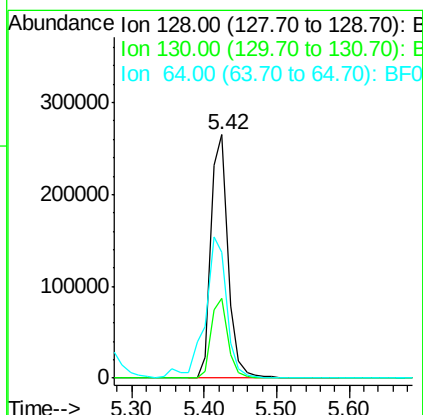
Tgt Ion:128 Resp: 434899

Ion Ratio Lower Upper

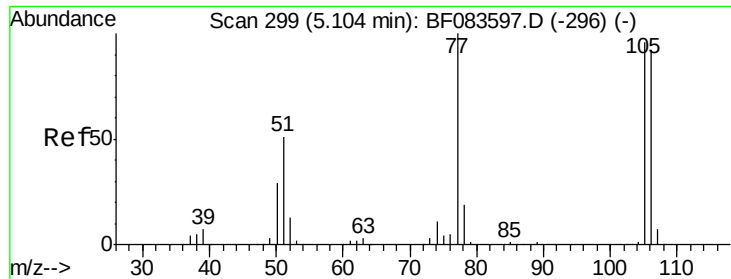
128 100

130 32.9 12.6 52.6

64 51.7 38.6 78.6







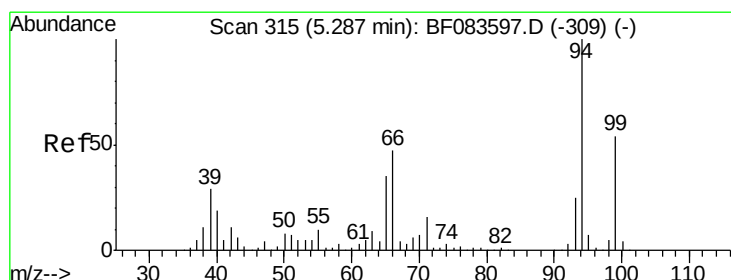
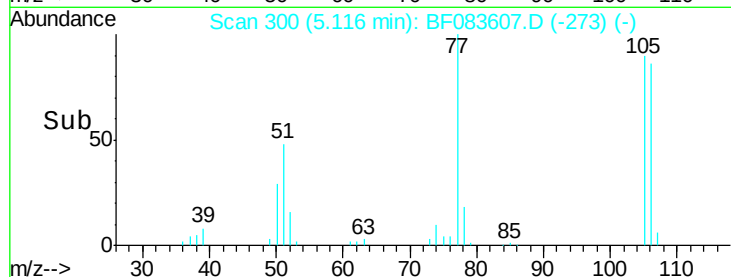
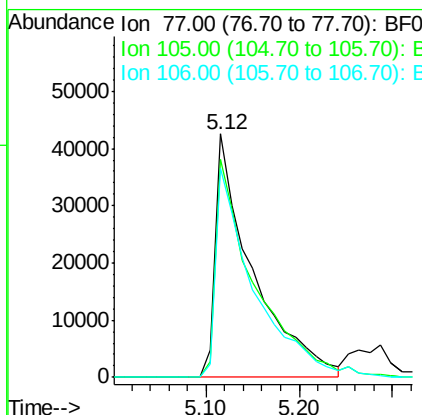
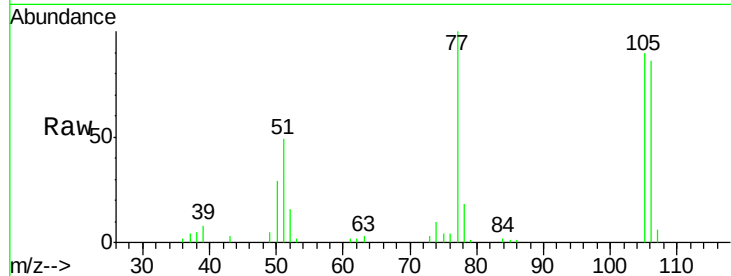
#9  
Benzaldehyde  
Concen: 15.51 ng  
RT: 5.12 min Scan# 300  
Delta R.T. 0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 77      | 100  |       |       |       |       |
| 105     | 89.8 | 71.8  | 111.8 |       |       |
| 106     | 85.9 | 66.8  | 106.8 |       |       |

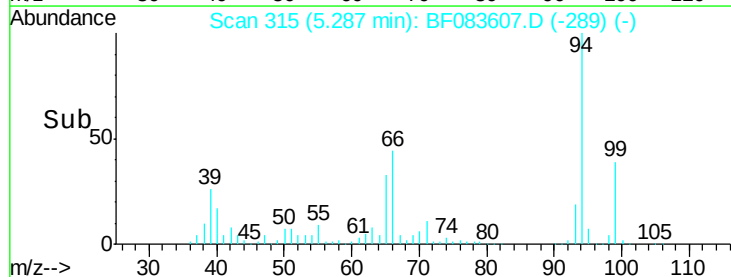
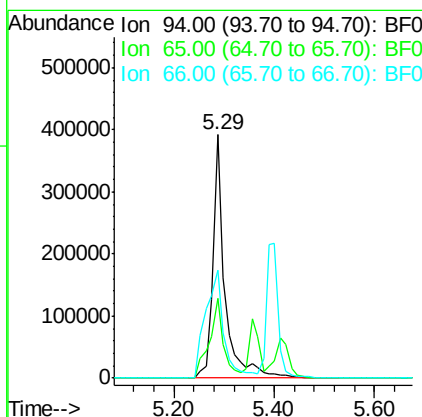
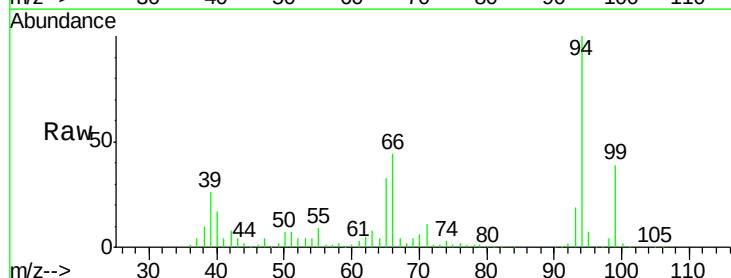
Manual Integrations  
APPROVED

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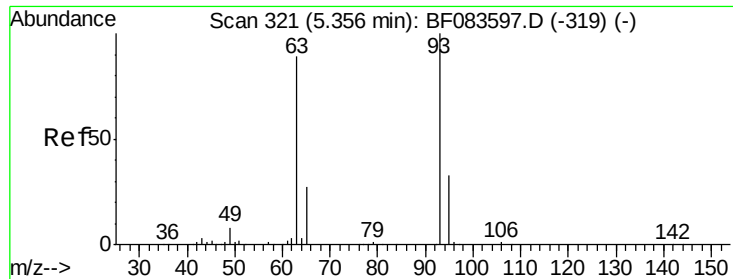


#10  
Phenol  
Concen: 44.43 ng  
RT: 5.29 min Scan# 315  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 94      | 100  |       |      |       |       |
| 65      | 32.8 | 20.9  | 60.9 |       |       |
| 66      | 44.2 | 41.6  | 81.6 |       |       |







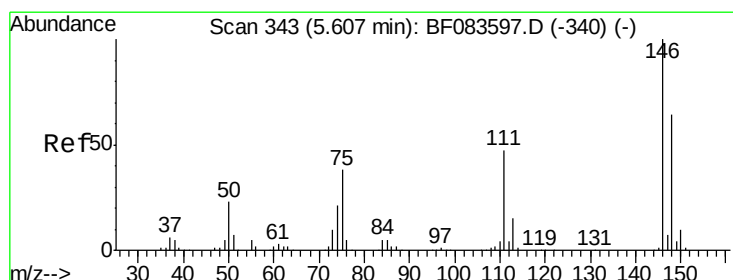
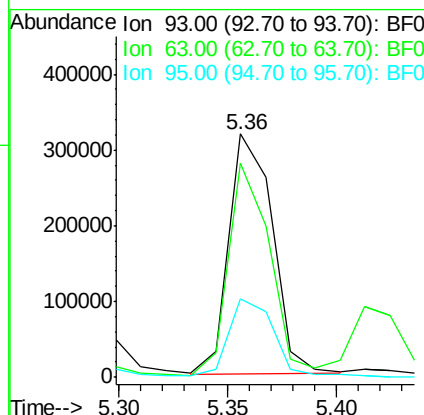
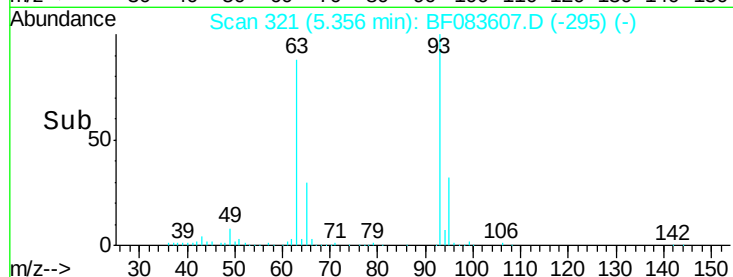
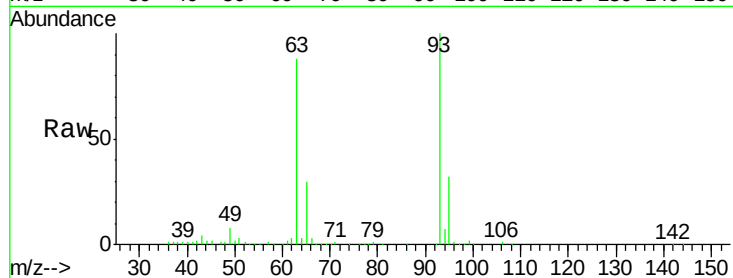
#11  
bis(2-Chloroethyl)ether  
Concen: 41.18 ng  
RT: 5.36 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 88.0  | 64.7  | 104.7 |
| 95      | 32.3  | 12.7  | 52.7  |

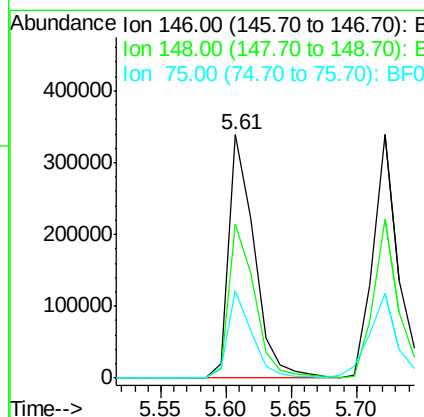
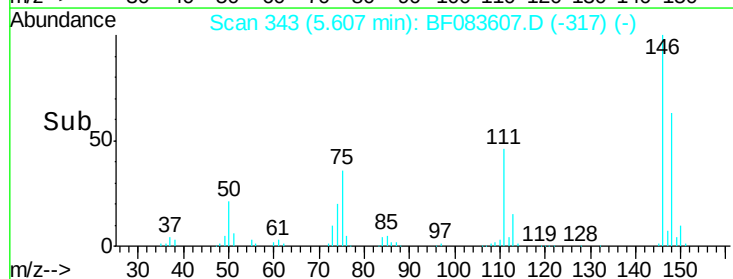
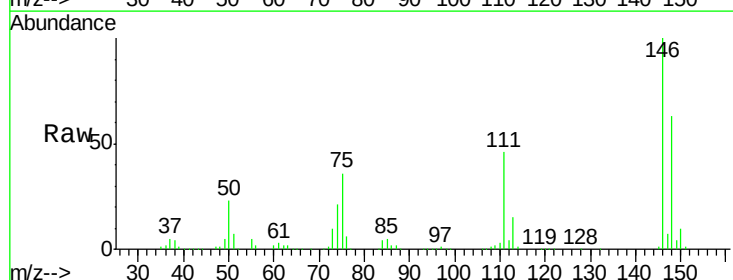
Manual Integrations  
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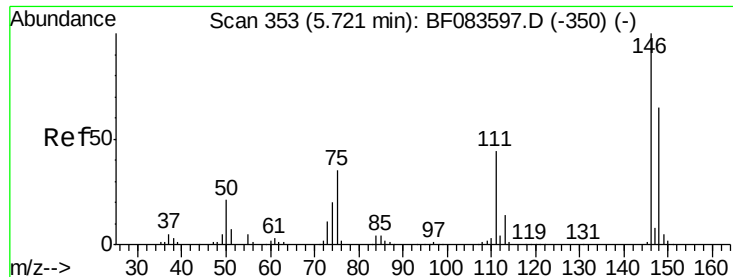
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12/9/2015 6:13:24 PM



#12  
1,3-Dichlorobenzene  
Concen: 42.26 ng  
RT: 5.61 min Scan# 343  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.0  | 51.3  | 76.9  |
| 75      | 36.1  | 24.1  | 36.1  |





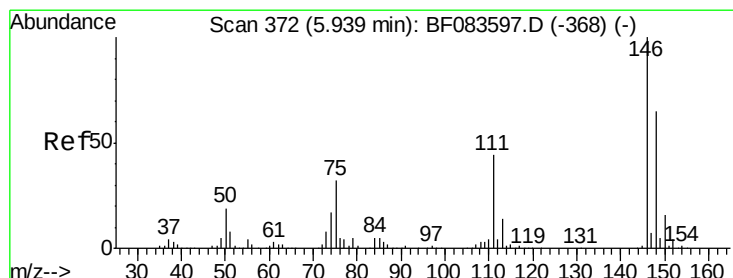
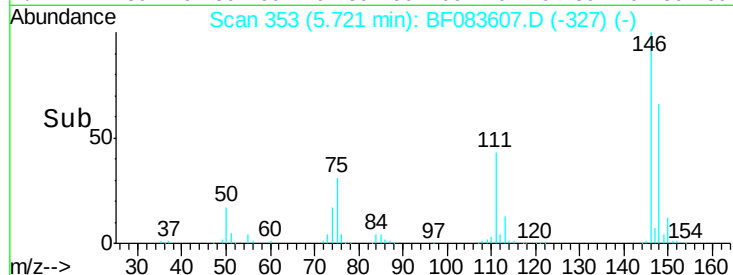
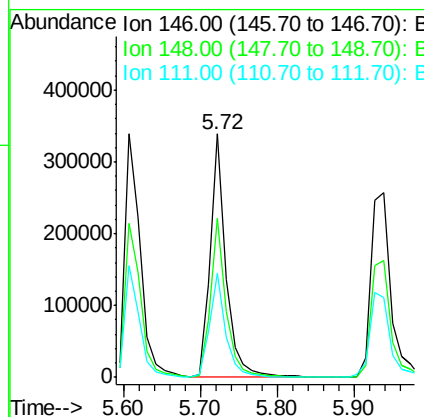
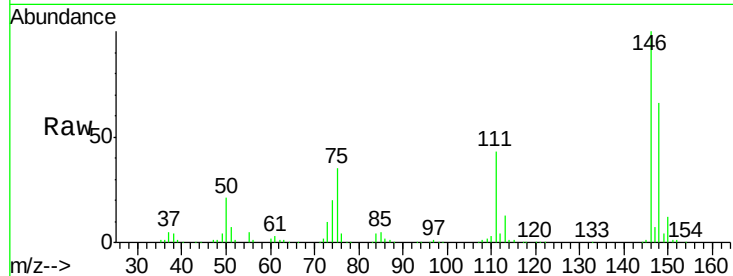
#13  
 1,4-Dichlorobenzene  
 Concen: 42.11 ng  
 RT: 5.72 min Scan# 353  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.6  | 50.6  | 76.0  |
| 111     | 42.8  | 36.1  | 54.1  |

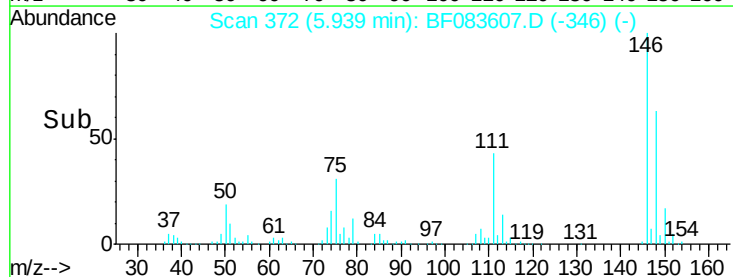
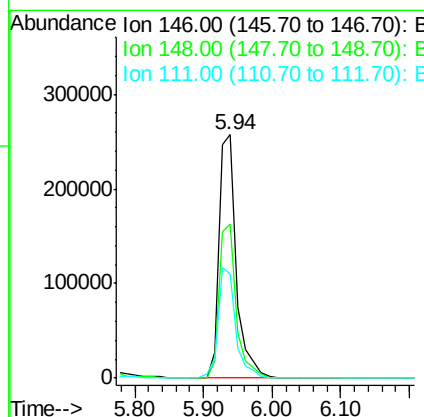
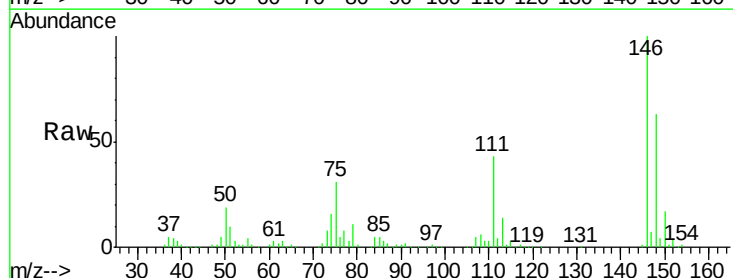
Manual Integrations  
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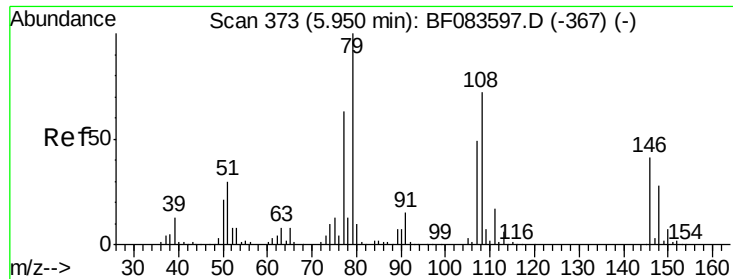
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#14  
 1,2-Dichlorobenzene  
 Concen: 43.86 ng  
 RT: 5.94 min Scan# 372  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 51.4  | 77.0  |
| 111     | 43.0  | 36.7  | 55.1  |





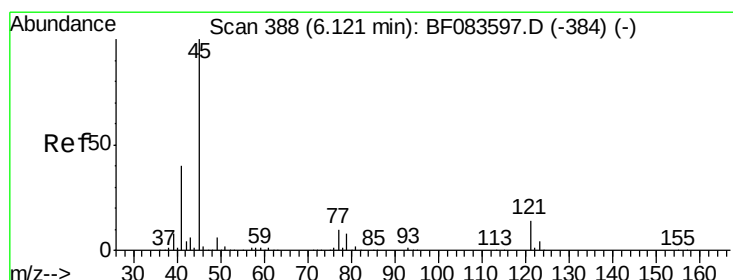
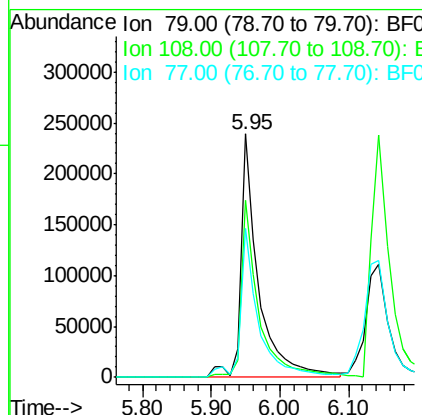
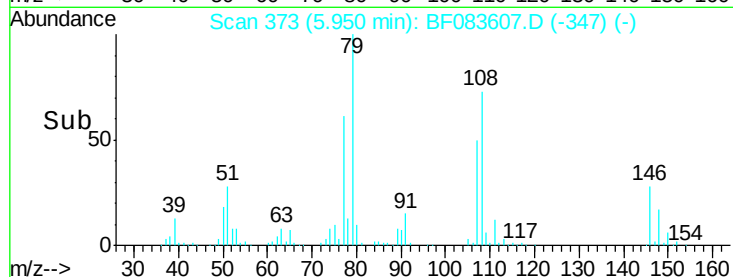
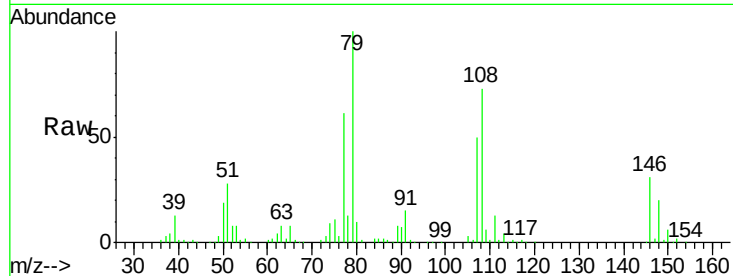
#15  
Benzyl Alcohol  
Concen: 50.50 ng  
RT: 5.95 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 72.6  | 59.6  | 89.4  |
| 77      | 61.2  | 49.8  | 74.6  |

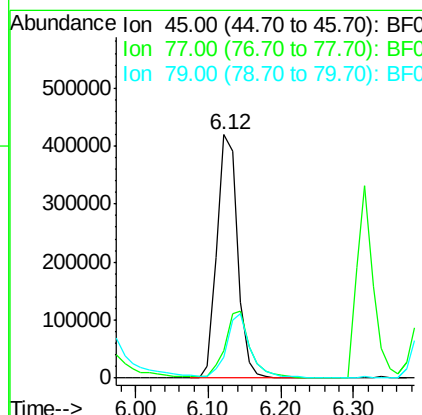
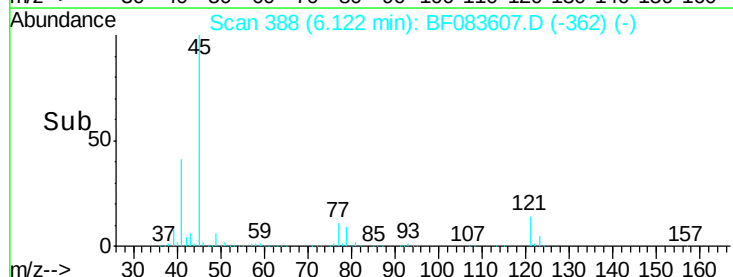
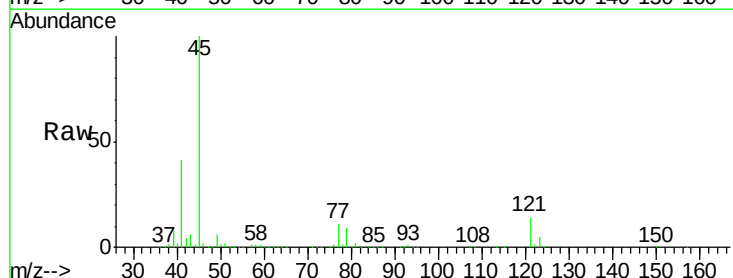
Manual Integrations  
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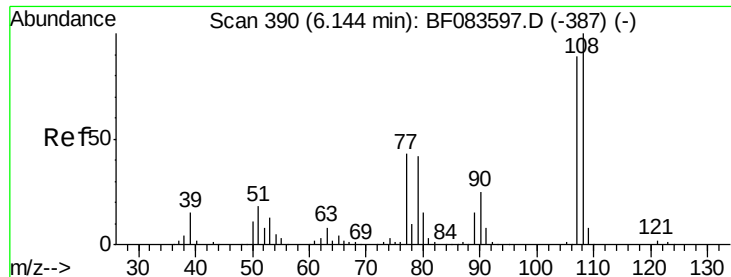
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.03 ng  
RT: 6.12 min Scan# 388  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 11.1  | 12.8  | 52.8# |
| 79      | 8.6   | 10.7  | 50.7# |





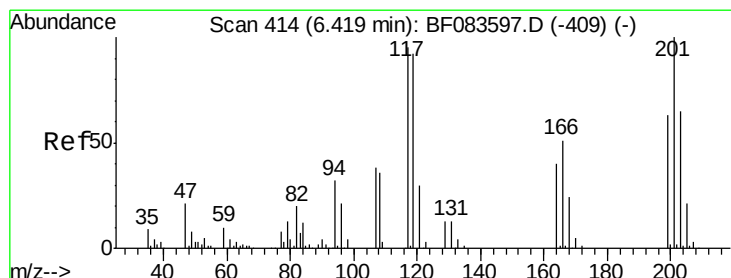
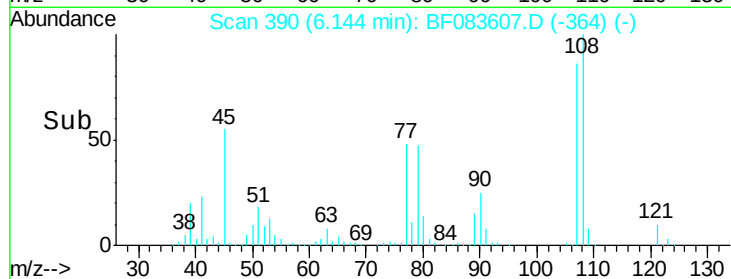
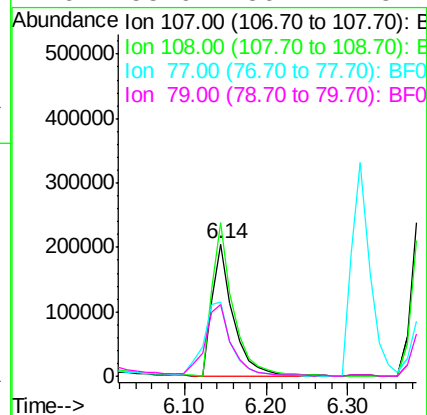
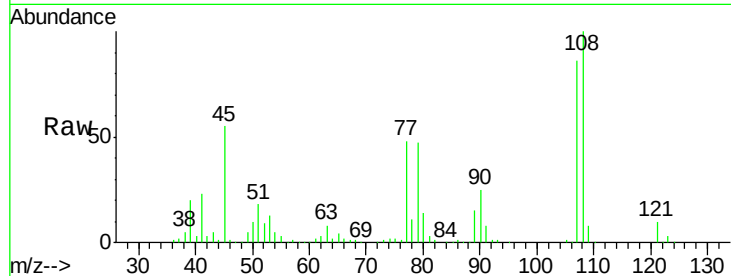
#17  
2-Methylphenol  
Concen: 46.45 ng  
RT: 6.14 min Scan# 390  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 115.9 | 91.6 | 137.4 |       |
| 77      | 55.8  | 53.7 | 80.5  |       |
| 79      | 53.9  | 50.2 | 75.4  |       |

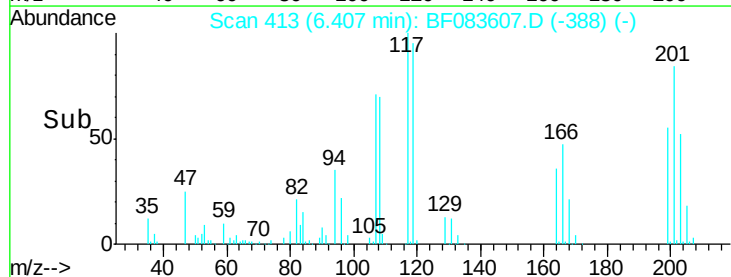
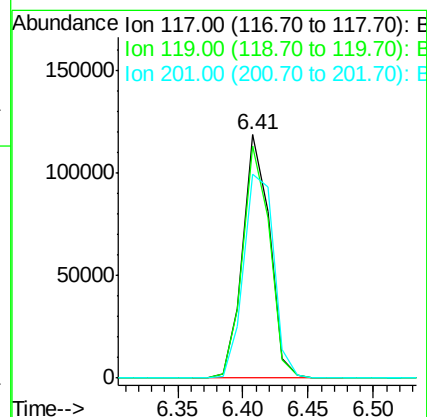
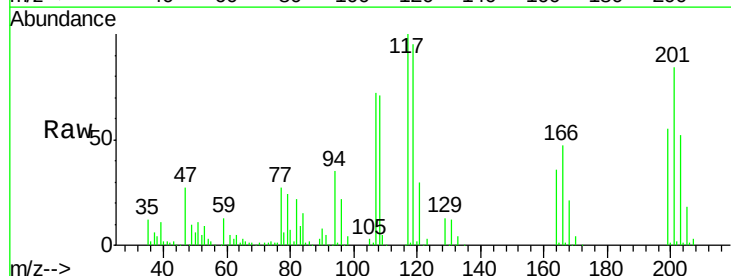
Manual Integrations  
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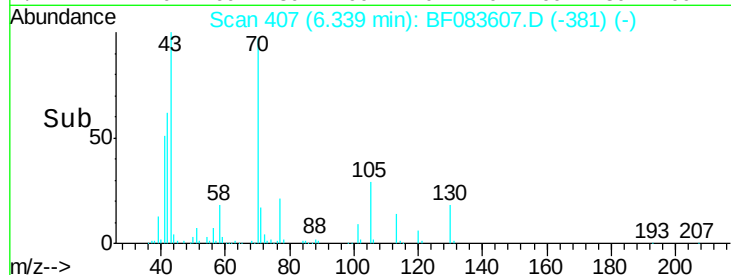
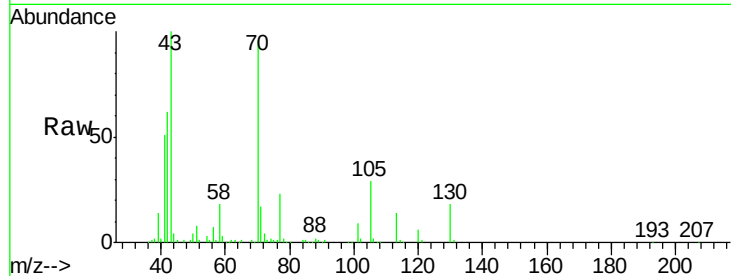
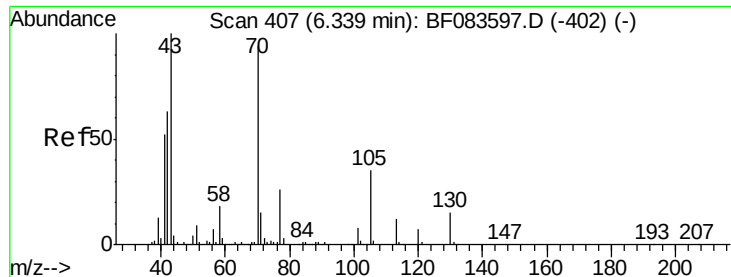
Mmdadoda  
12/9/2015 6:13:24 PM



#18  
Hexachloroethane  
Concen: 42.74 ng  
RT: 6.41 min Scan# 413  
Delta R.T. -0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 117     | 100   |      |        |       |
| 119     | 95.3  | 77.2 | 115.8  |       |
| 201     | 83.5  | 86.8 | 130.2# |       |





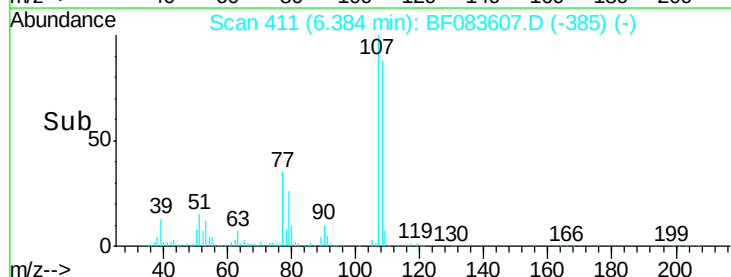
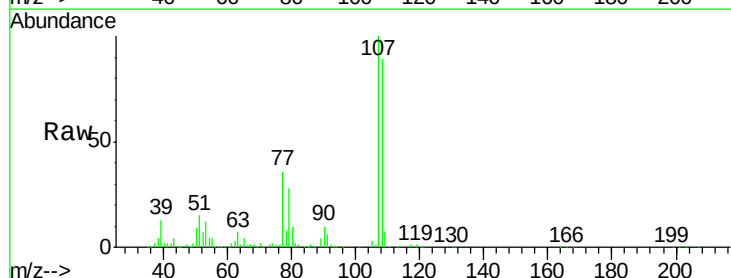
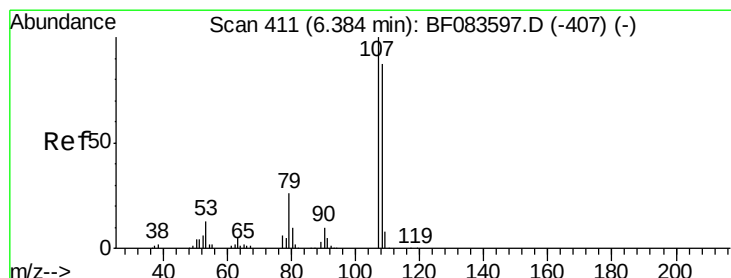
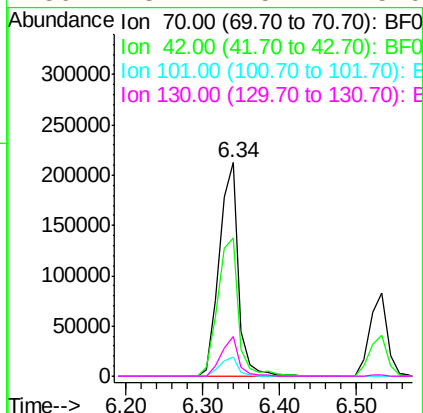
#19  
n-Nitroso-di-n-propylamine  
Concen: 44.47 ng  
RT: 6.34 min Scan# 407  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

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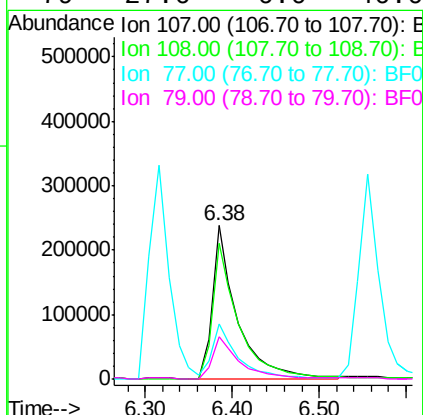
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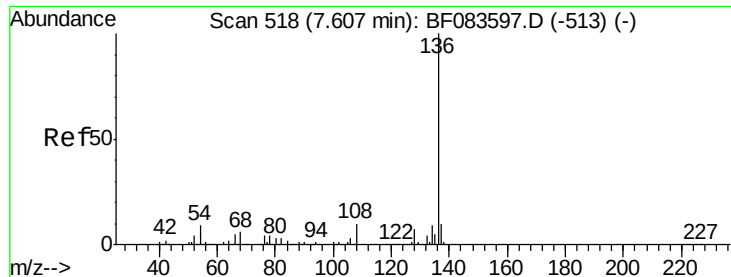
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 64.6 | 49.2  | 73.8  |       |
| 101     | 9.0  | 7.1   | 10.7  |       |
| 130     | 18.4 | 15.4  | 23.0  |       |



#20  
3+4-Methylphenols  
Concen: 44.90 ng  
RT: 6.38 min Scan# 411  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 88.7 | 65.2  | 105.2 |       |
| 77      | 36.1 | 15.2  | 55.2  |       |
| 79      | 27.6 | 6.0   | 46.0  |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.60 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

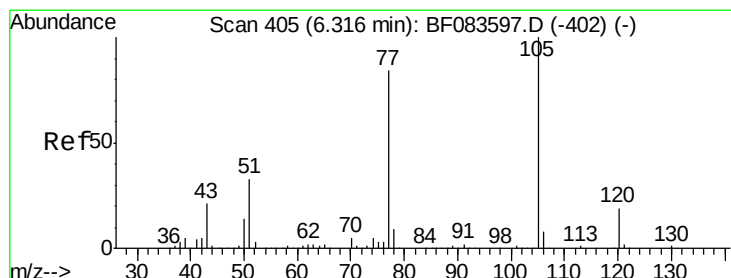
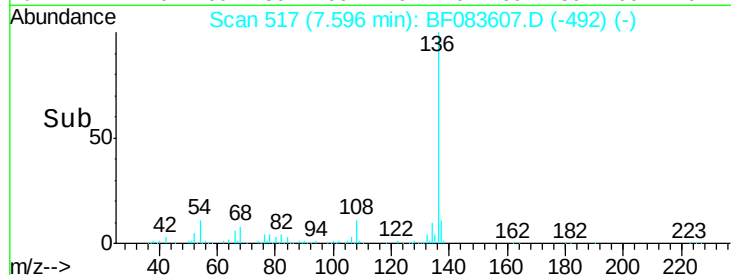
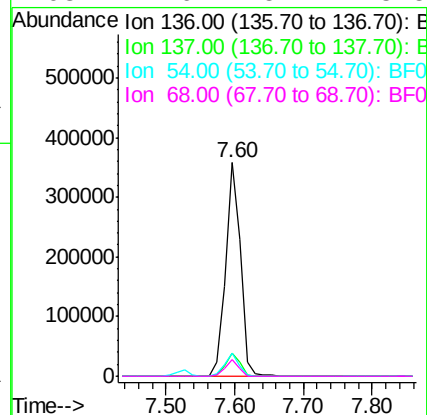
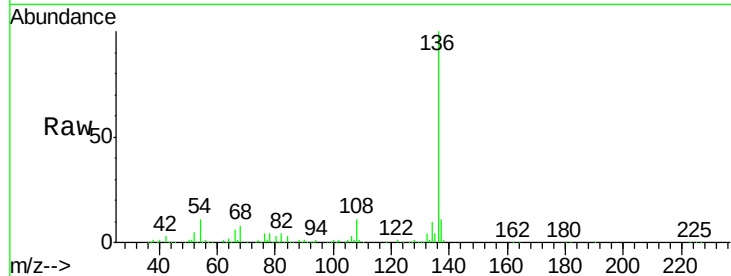
ClientSampleId :

PB87111BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 545003 |       |       |
| 137     | 10.6  |        | 8.7   | 13.1  |
| 54      | 11.0  |        | 7.8   | 11.6  |
| 68      | 7.6   |        | 5.7   | 8.5   |

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#22

Acetophenone

Concen: 40.75 ng

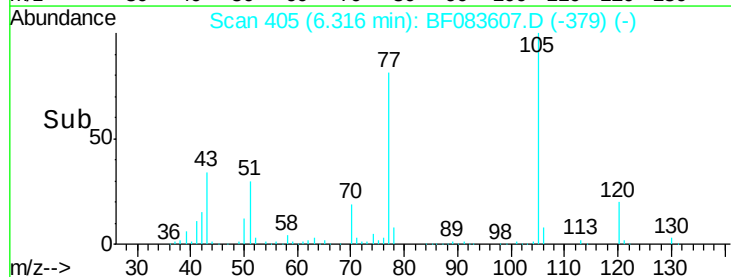
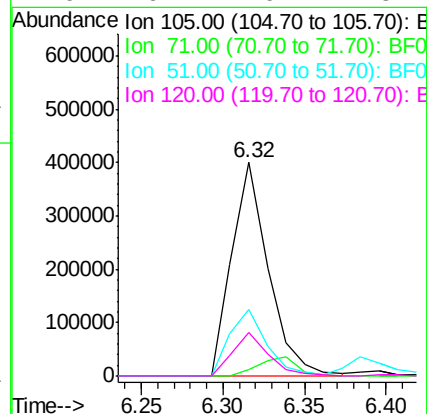
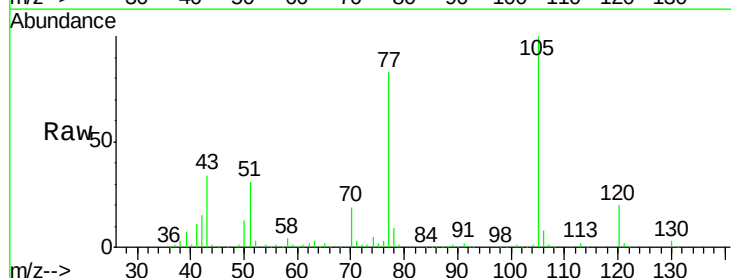
RT: 6.32 min Scan# 405

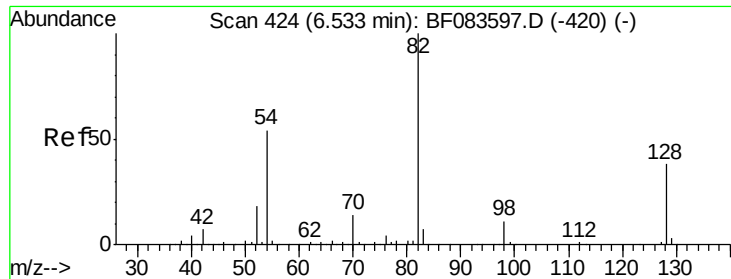
Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 622957 |       |       |
| 71      | 3.1   |        | 1.3   | 1.9#  |
| 51      | 31.1  |        | 23.8  | 35.8  |
| 120     | 20.2  |        | 16.7  | 25.1  |





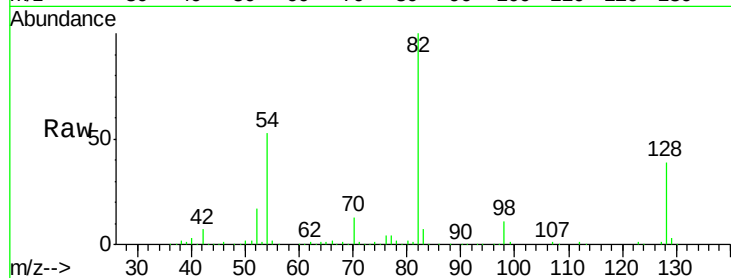
#23  
Nitrobenzene-d5  
Concen: 82.59 ng  
RT: 6.53 min Scan# 424  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

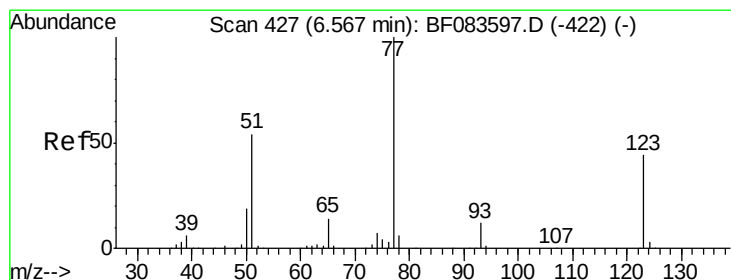
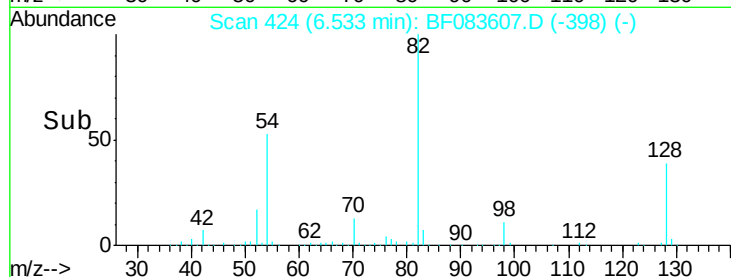
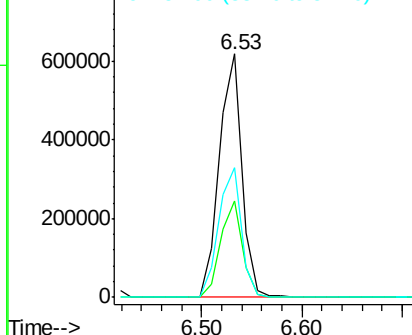
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 39.4  | 30.7 | 46.1  |       |
| 54      | 53.3  | 42.5 | 63.7  |       |

Manual Integrations  
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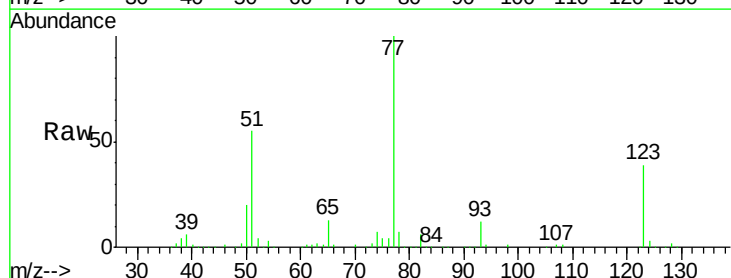


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

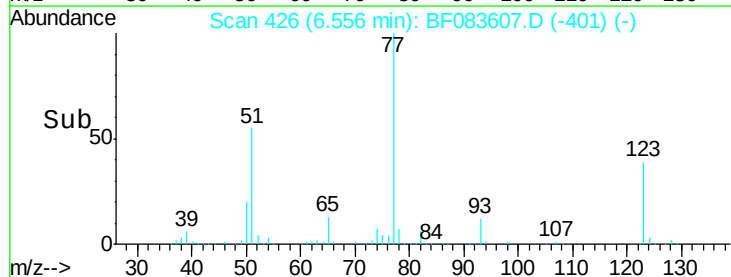
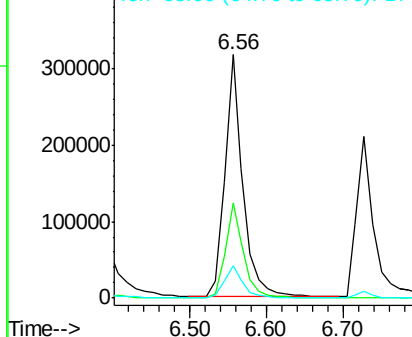


#24  
Nitrobenzene  
Concen: 40.54 ng  
RT: 6.56 min Scan# 426  
Delta R.T. -0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

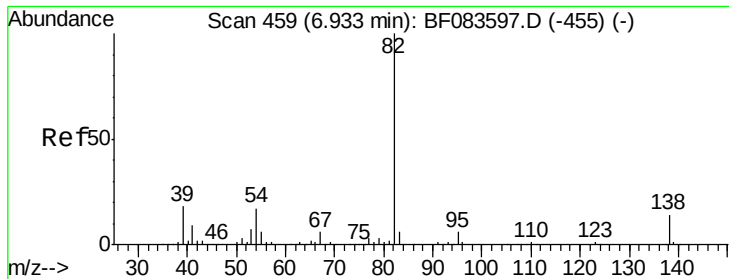
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 39.1  | 29.8 | 44.6  |       |
| 65      | 13.4  | 11.1 | 16.7  |       |



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 123.00 (122.70 to 123.70): B  
Ion 65.00 (64.70 to 65.70): BF0







#25

Isophorone

Concen: 42.10 ng

RT: 6.93 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

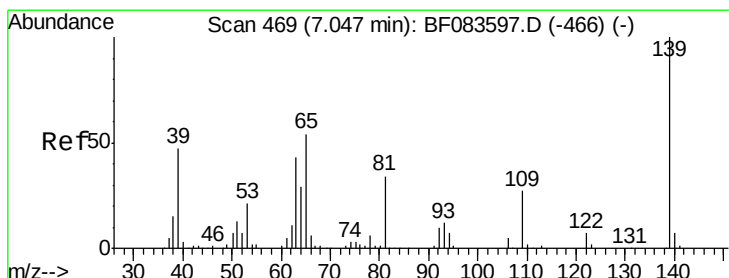
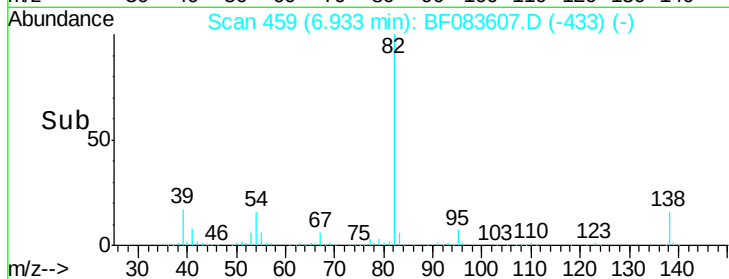
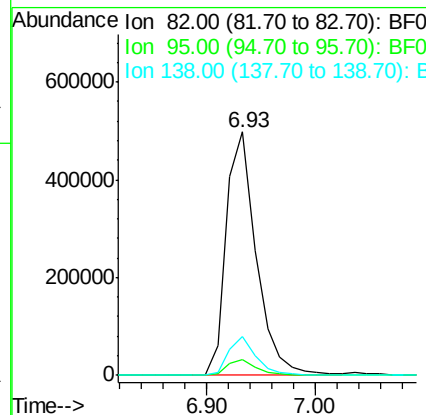
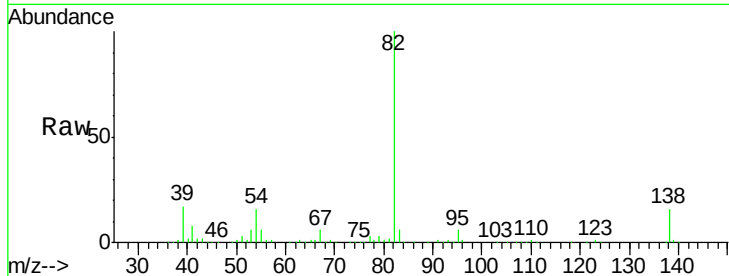
ClientSampleId :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 954251 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.5   | 5.0   | 7.4    |
| 138       | 15.8  | 12.1  | 18.1   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 43.56 ng

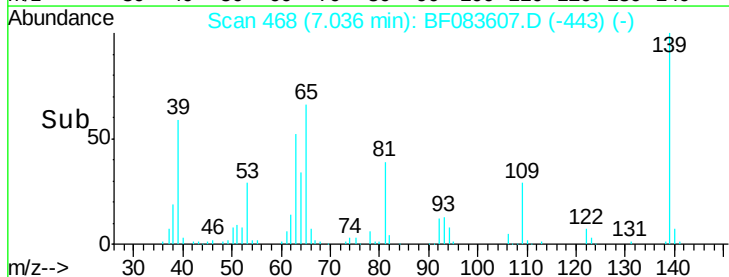
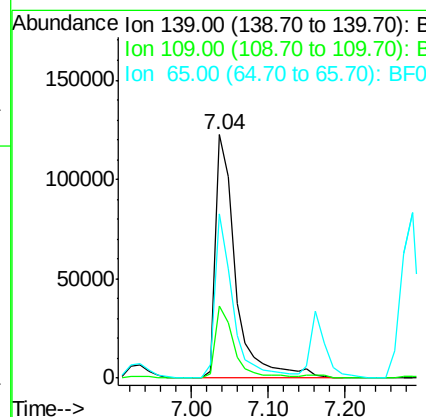
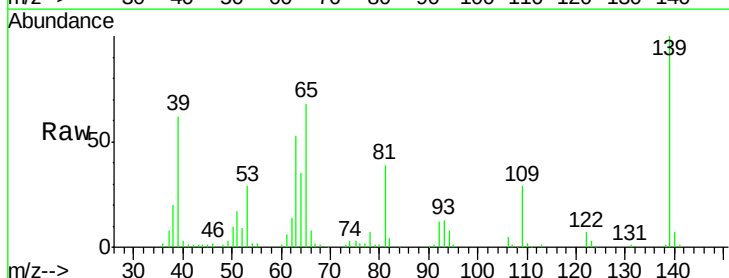
RT: 7.04 min Scan# 468

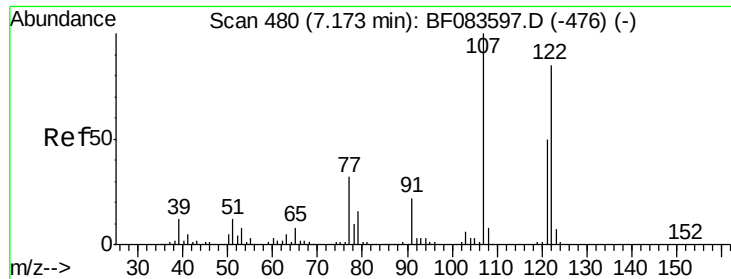
Delta R.T. -0.01 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 223292 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 29.4  | 22.7  | 34.1   |
| 65        | 67.6  | 51.8  | 77.8   |





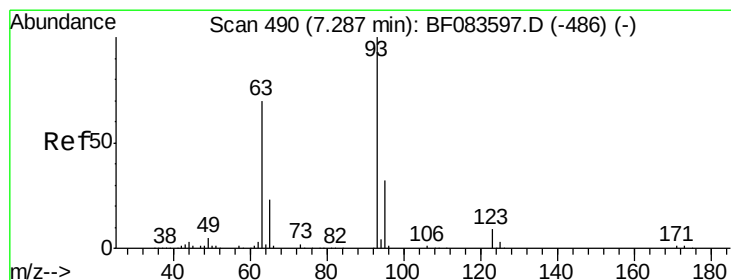
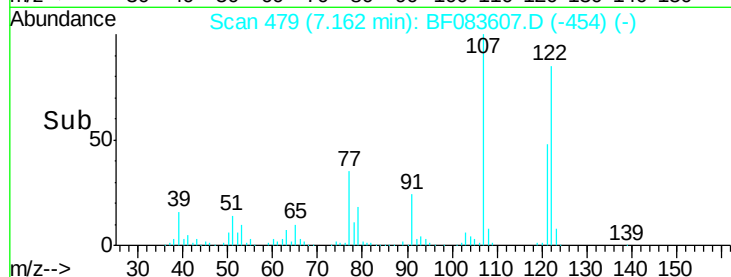
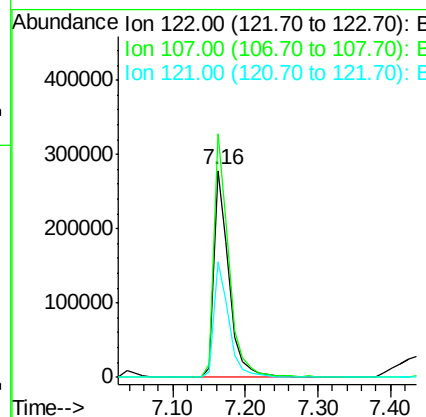
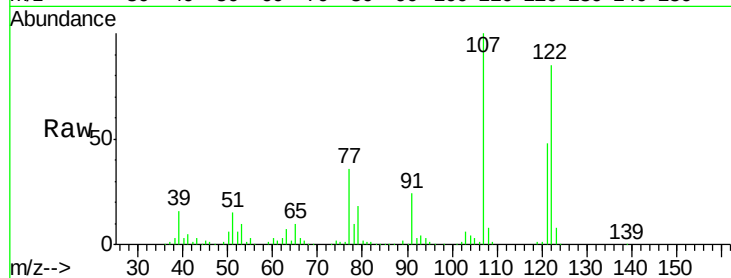
#27  
 2,4-Dimethylphenol  
 Concen: 44.23 ng  
 RT: 7.16 min Scan# 479  
 Delta R.T. -0.01 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 396645 |       |       |
| 107     | 117.6 | 92.4   | 138.6 |       |
| 121     | 56.0  | 45.8   | 68.6  |       |

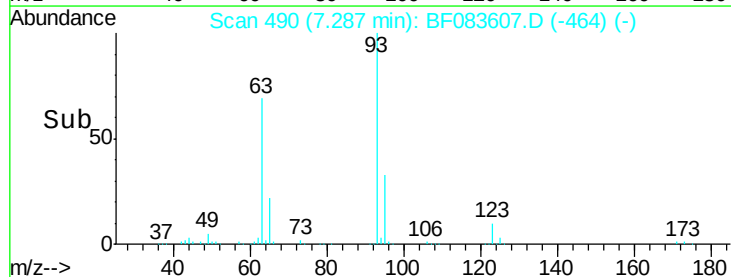
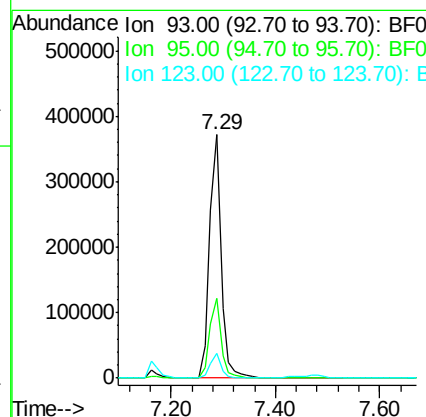
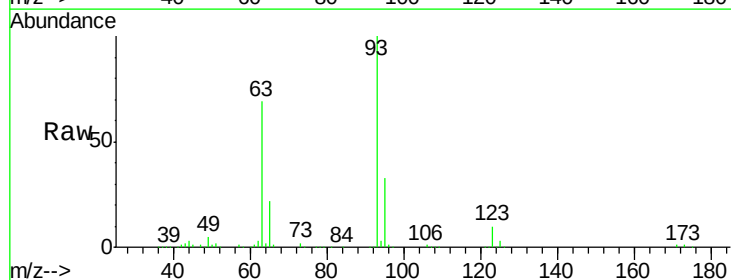
Manual Integrations  
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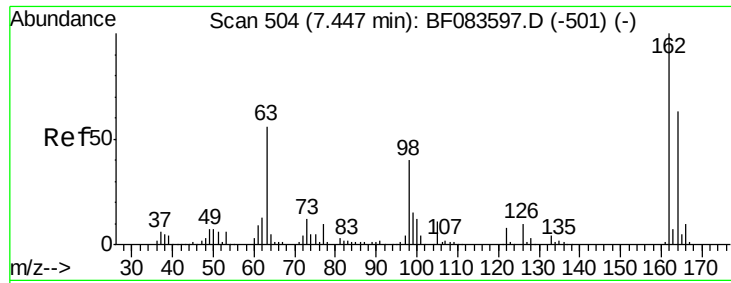
Mmdadoda  
 12/9/2015 6:13:24 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.96 ng  
 RT: 7.29 min Scan# 490  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 578438 |       |       |
| 95      | 32.8  | 25.6   | 38.4  |       |
| 123     | 10.0  | 7.3    | 10.9  |       |





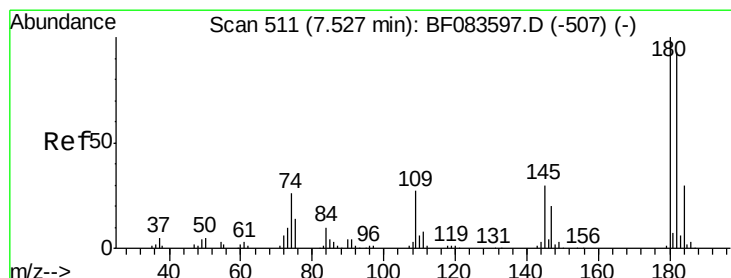
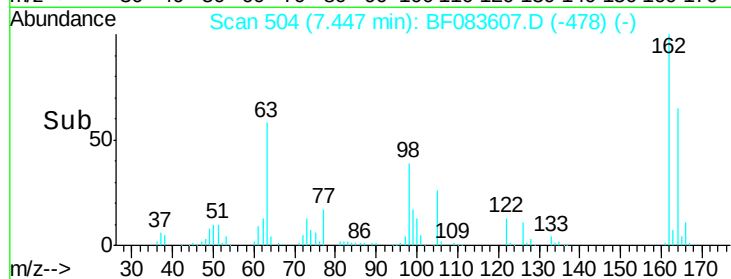
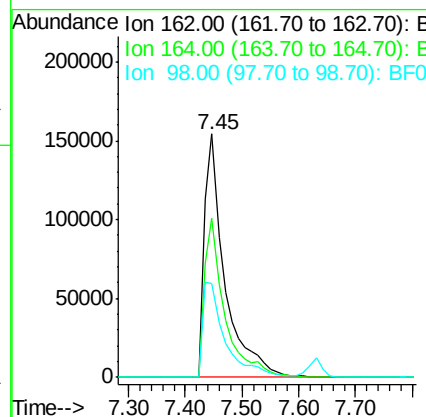
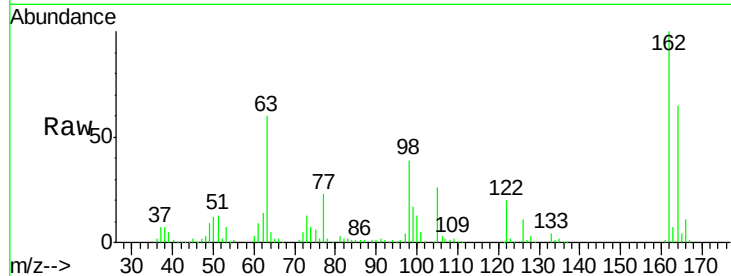
#29  
2,4-Dichlorophenol  
Concen: 45.69 ng  
RT: 7.45 min Scan# 504  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 372601 |       |       |
| 164     | 65.3 | 43.4  | 83.4   |       |       |
| 98      | 38.7 | 17.5  | 57.5   |       |       |

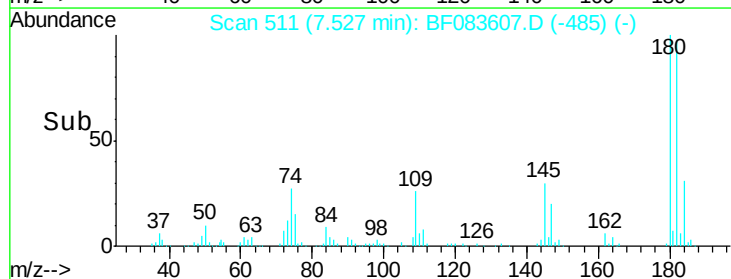
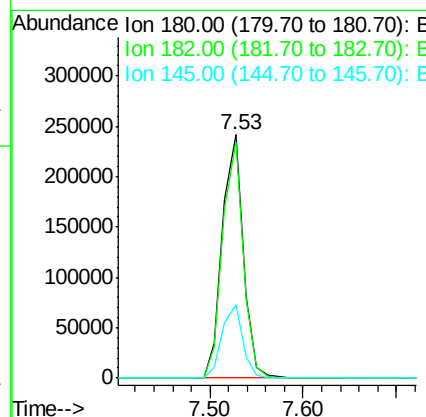
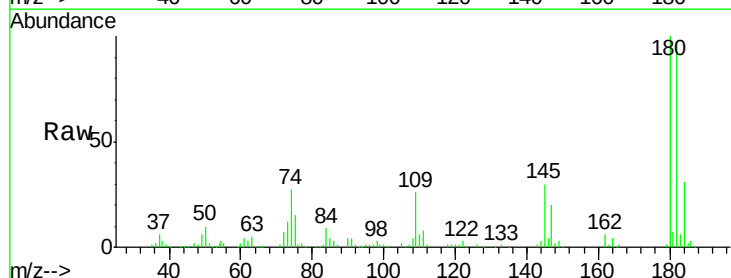
Manual Integrations  
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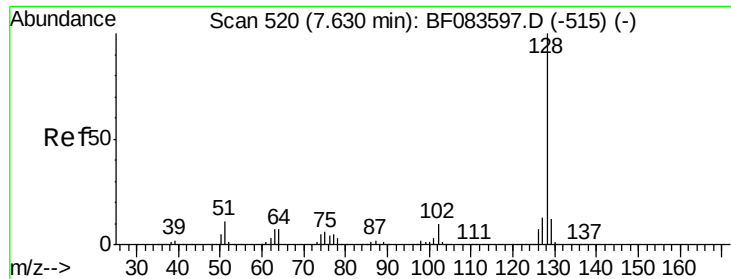
Mmdadoda  
12/9/2015 6:13:24 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 41.83 ng  
RT: 7.53 min Scan# 511  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 376784 |       |       |
| 182     | 96.8 | 74.9  | 112.3  |       |       |
| 145     | 30.3 | 24.7  | 37.1   |       |       |





#31

Naphthalene

Concen: 42.88 ng

RT: 7.63 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

ClientSampleId :

PB87111BS

Tot Ion:128 Resp: 1237866

Ion Ratio Lower Upper

128 100

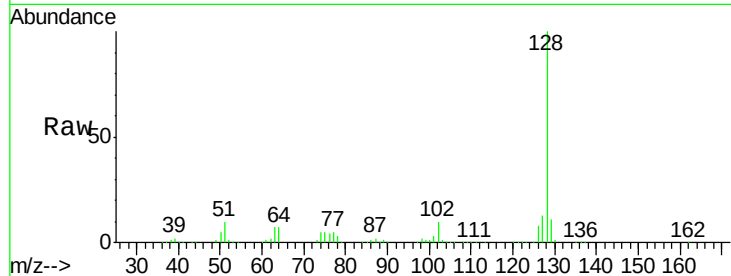
129 11.5 8.6 13.0

127 13.4 10.6 16.0

Manual Integrations  
APPROVED

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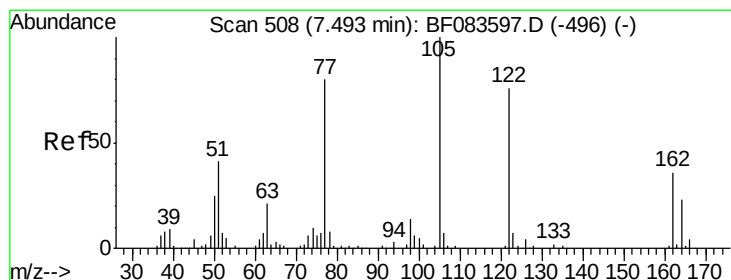
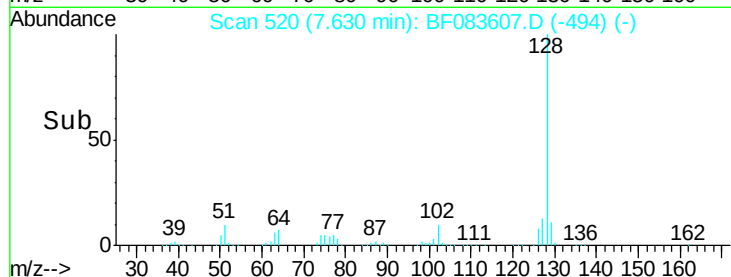
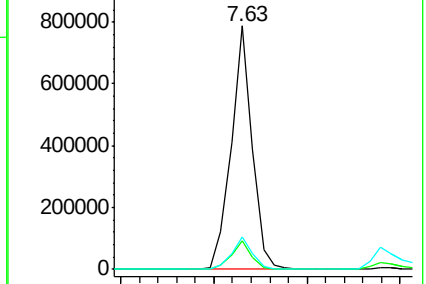
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.28 ng

RT: 7.48 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

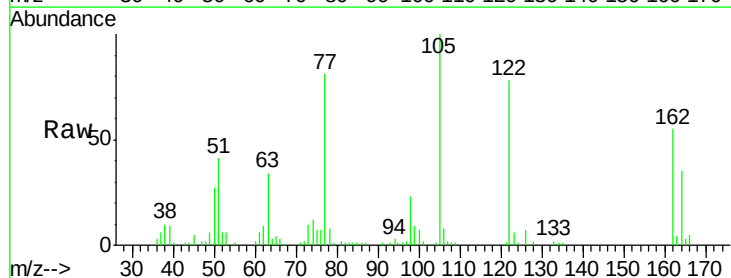
Tgt Ion:122 Resp: 222401

Ion Ratio Lower Upper

122 100

105 127.8 105.6 145.6

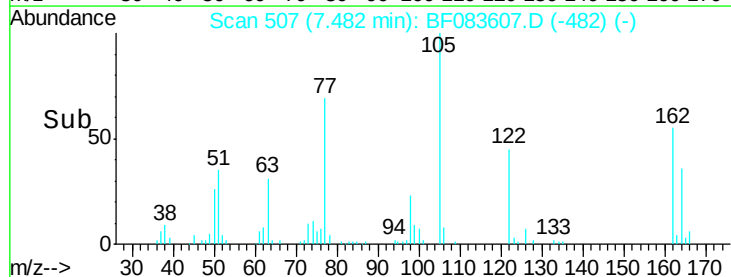
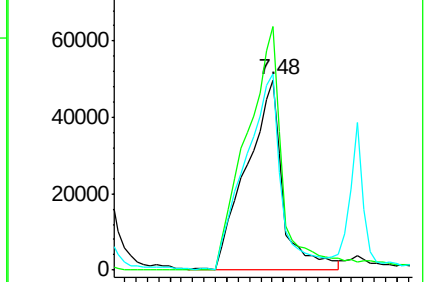
77 103.3 86.8 126.8

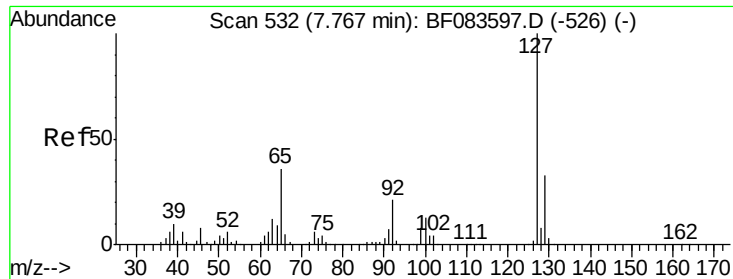


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





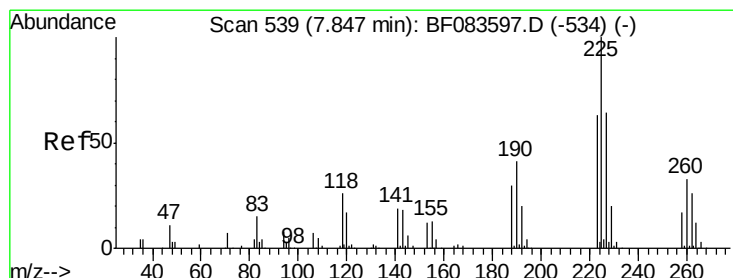
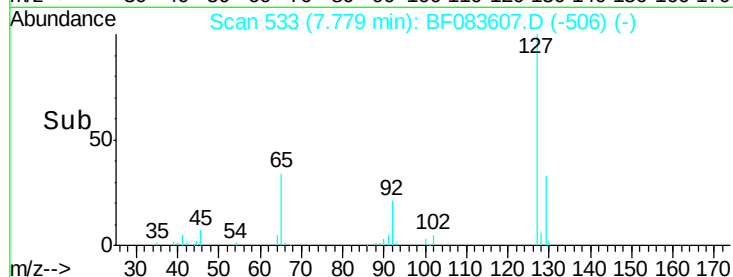
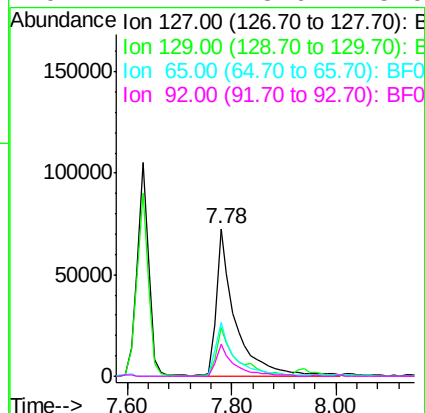
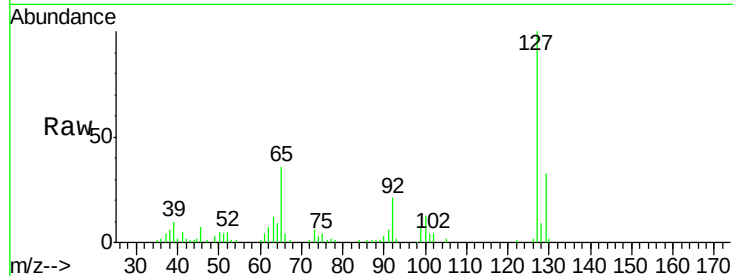
#33  
4-Chloroaniline  
Concen: 17.54 ng  
RT: 7.78 min Scan# 533  
Delta R.T. 0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.7 | 26.1  | 39.1 |       |       |
| 65      | 36.2 | 33.5  | 50.3 |       |       |
| 92      | 21.4 | 18.6  | 28.0 |       |       |

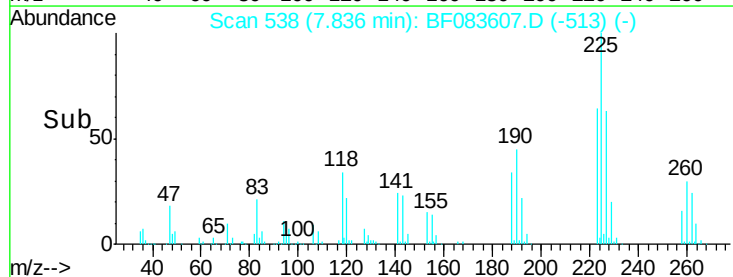
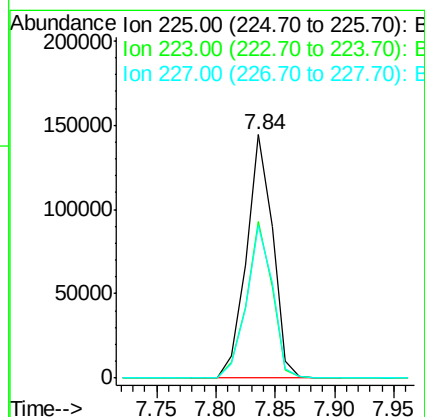
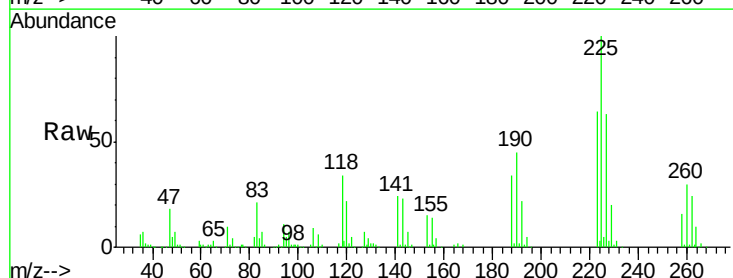
Manual Integrations  
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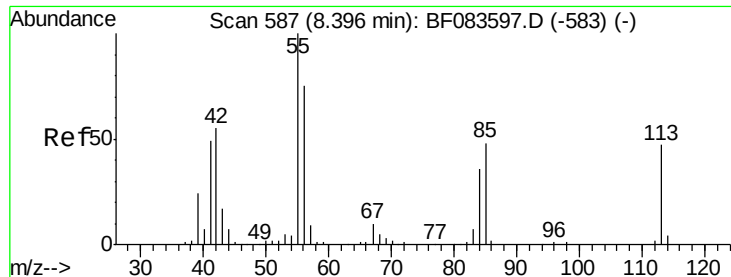
Mmdadoda  
12/9/2015 6:13:24 PM



#34  
Hexachlorobutadiene  
Concen: 42.56 ng  
RT: 7.84 min Scan# 538  
Delta R.T. -0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 64.2 | 52.3  | 78.5 |       |       |
| 227     | 62.9 | 50.4  | 75.6 |       |       |





#35

Caprolactam

Concen: 49.95 ng/ml

RT: 8.37 min Scan# 585

Delta R.T. -0.02 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

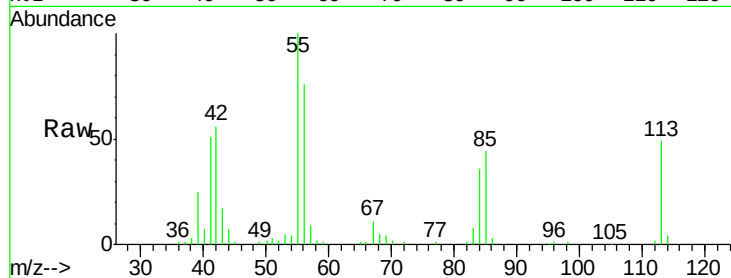
ClientSampleId :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 122266 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 205.1 | 189.7 | 229.7  |
| 56        | 155.5 | 130.7 | 170.7  |

Manual Integrations  
APPROVED

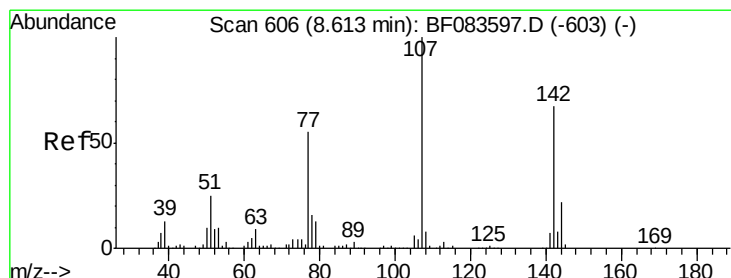
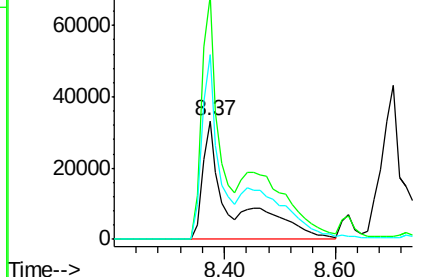
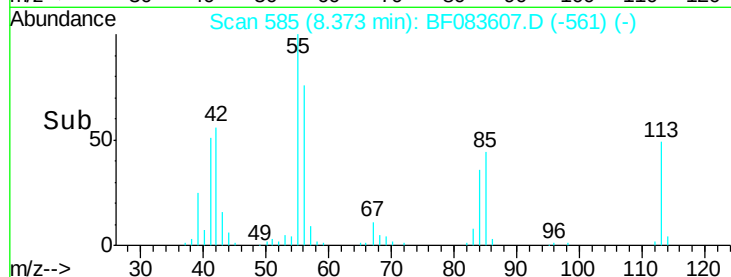
Mmdadoda  
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 45.46 ng/ml

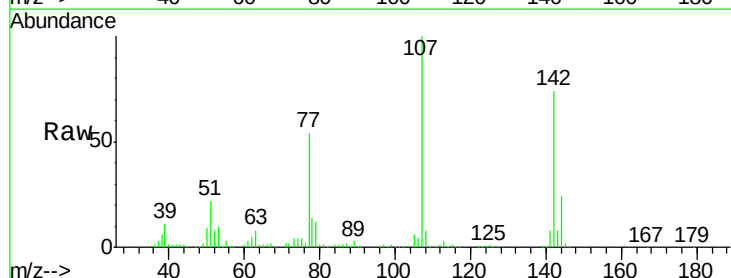
RT: 8.62 min Scan# 607

Delta R.T. 0.01 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

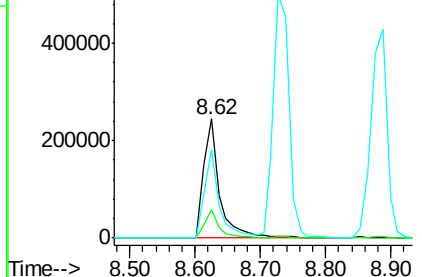
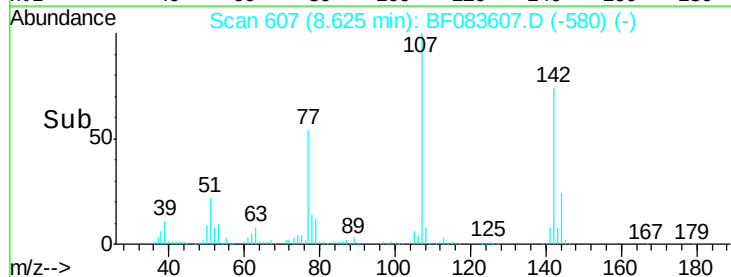
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 416494 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 23.6  | 17.5  | 26.3   |
| 142       | 74.4  | 53.6  | 80.4   |

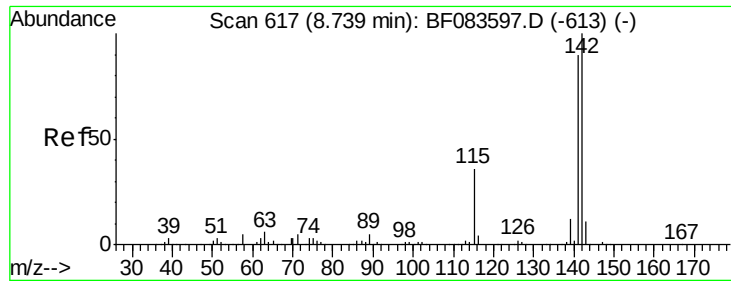


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





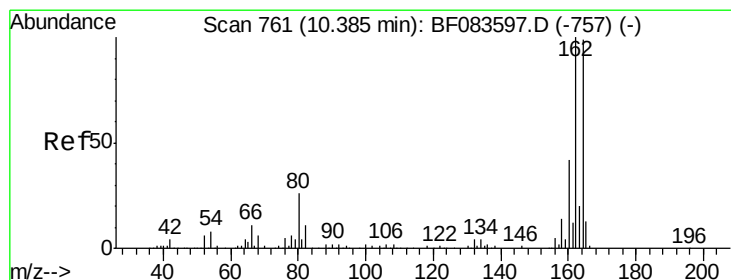
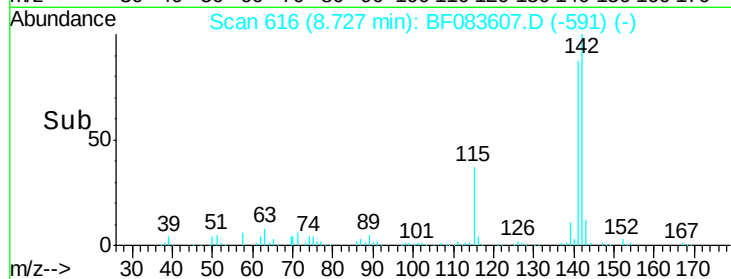
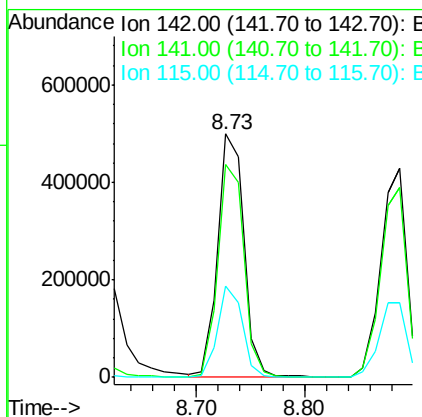
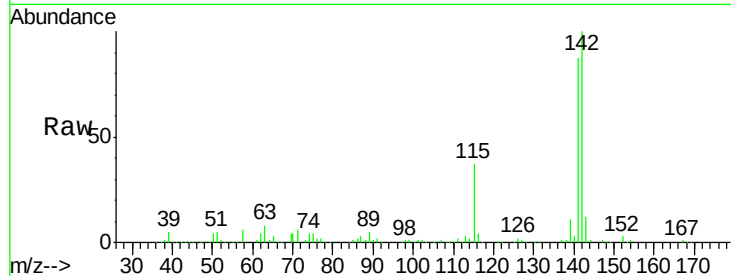
#37  
2-Methylnaphthalene  
Concen: 46.15 ng  
RT: 8.73 min Scan# 616  
Delta R.T. -0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.5  | 70.3  | 105.5 |
| 115     | 37.2  | 29.2  | 43.8  |

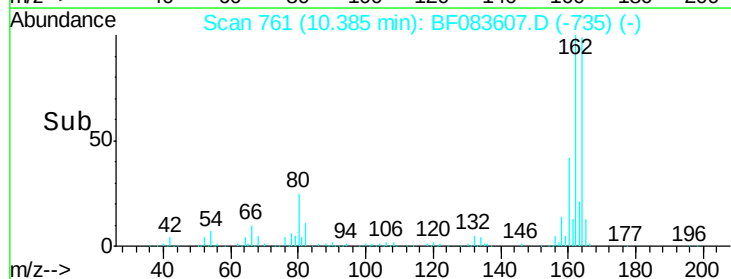
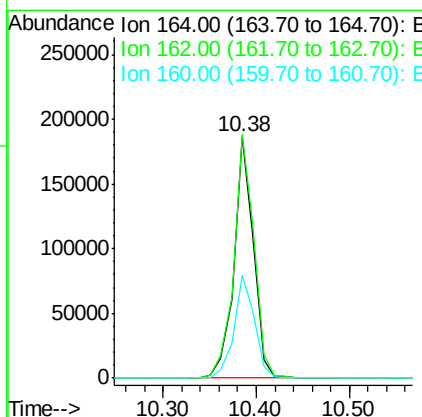
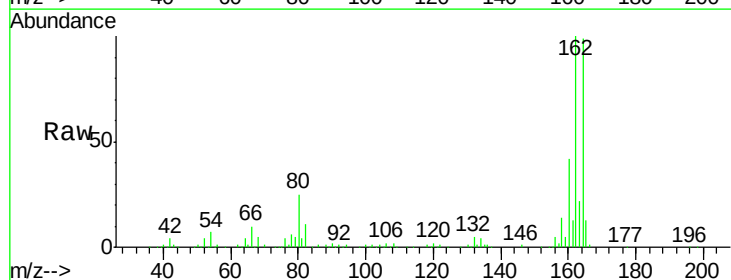
Manual Integrations  
APPROVED

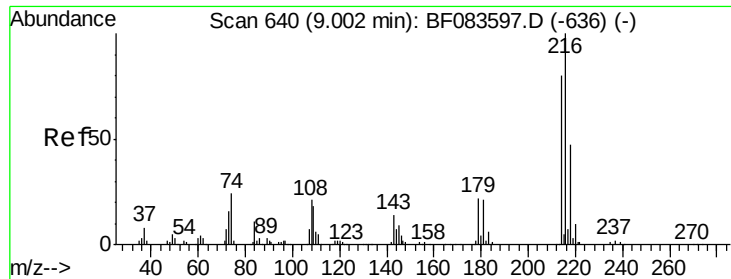
Mmdadoda  
12/9/2015 6:13:24 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.38 min Scan# 761  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.8 | 78.8  | 118.2 |
| 160     | 42.4  | 33.4  | 50.2  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.07 ng

RT: 9.00 min Scan# 640

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

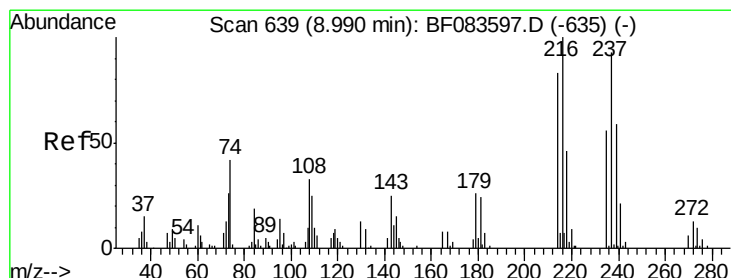
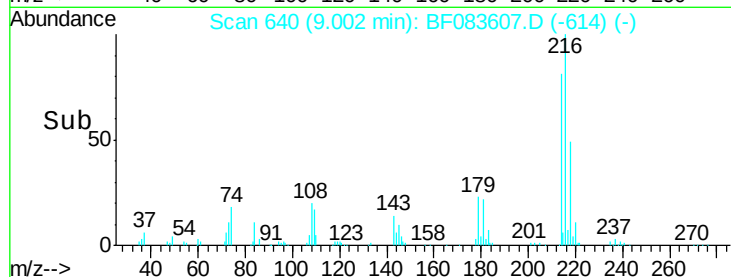
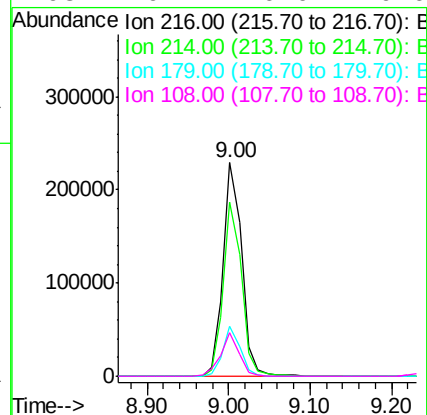
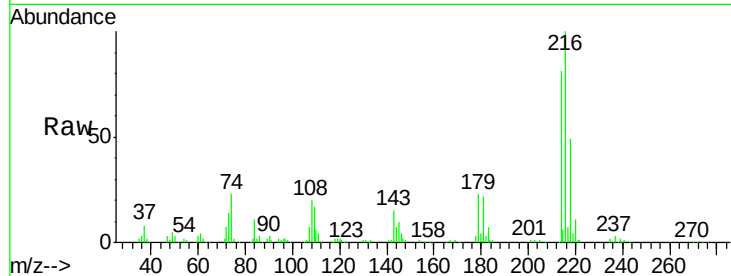
ClientSampleId :

PB87111BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 363972 |       |       |
| 214     | 80.1 | 0.0   | 0.0#   |       |       |
| 179     | 21.6 | 0.0   | 0.0#   |       |       |
| 108     | 20.4 | 0.0   | 0.0#   |       |       |

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#40

Hexachlorocyclopentadiene

Concen: 75.99 ng

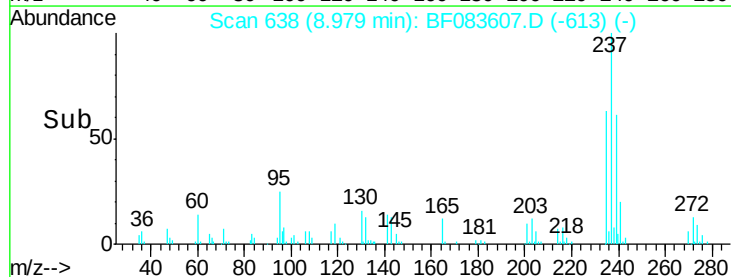
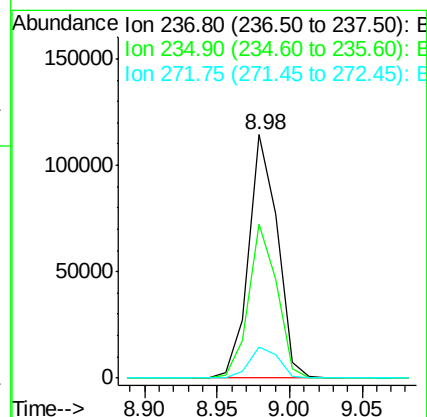
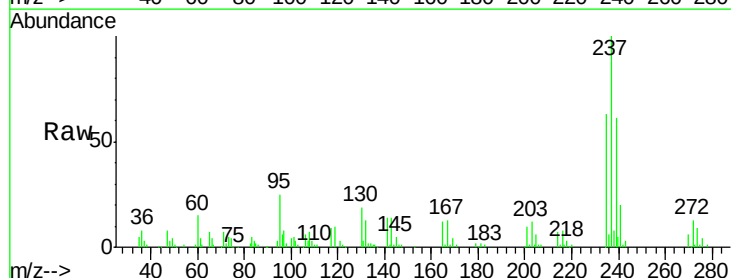
RT: 8.98 min Scan# 638

Delta R.T. -0.01 min

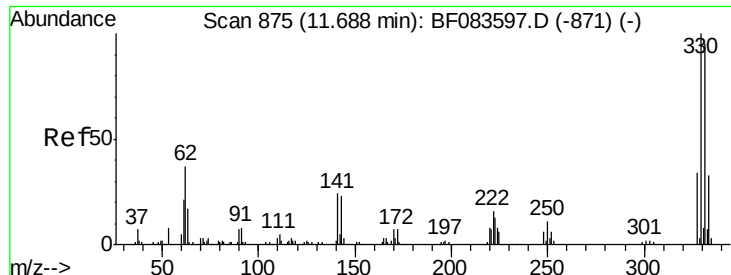
Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 157499 |       |       |
| 235     | 63.2 | 43.9  | 83.9   |       |       |
| 272     | 12.5 | 0.0   | 31.8   |       |       |







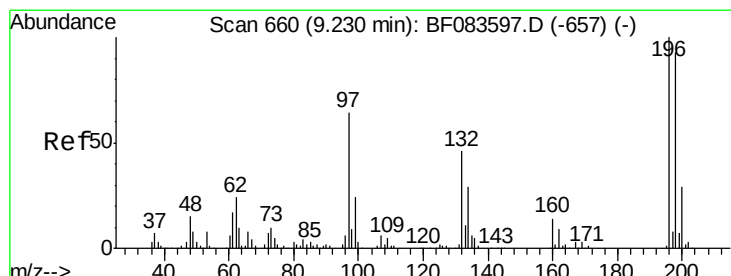
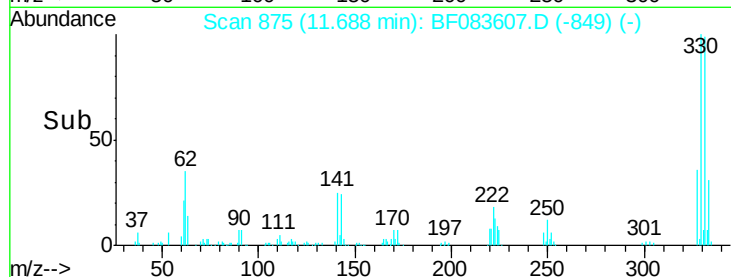
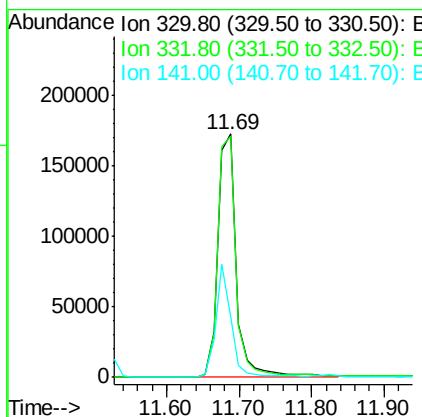
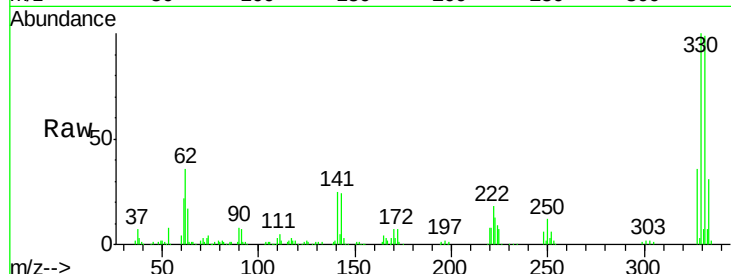
#41  
 2,4,6-Tribromophenol  
 Concen: 127.31 ng  
 RT: 11.69 min Scan# 875  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 306147 |       |       |
| 332     | 100.7 | 0.0    | 0.0   | 0.0   |
| 141     | 38.7  | 0.0    | 0.0   | 0.0   |

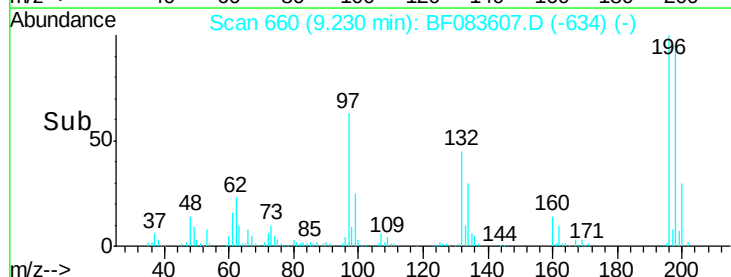
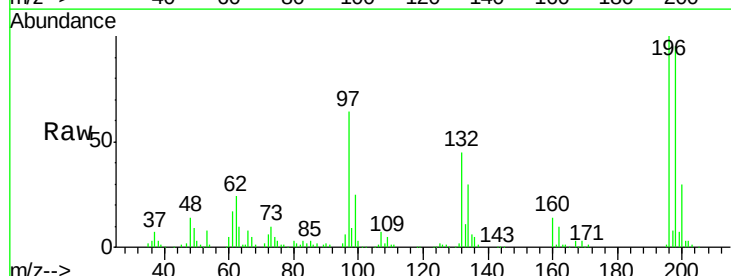
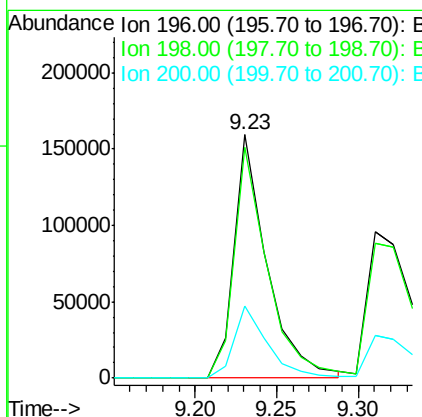
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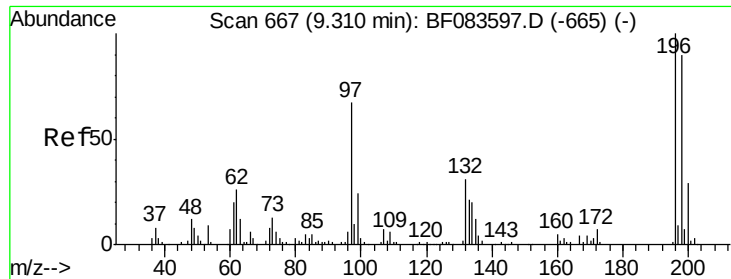
Mmdadoda  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 42.35 ng  
 RT: 9.23 min Scan# 660  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

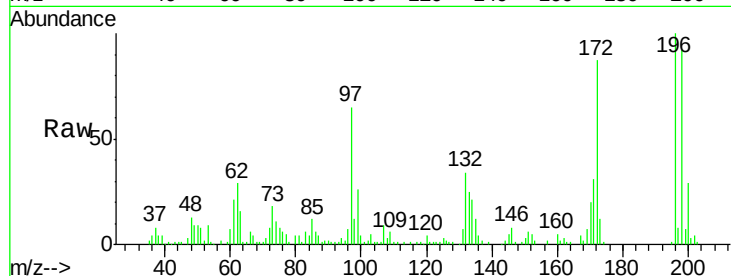
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 223297 |       |       |
| 198     | 94.9  | 75.2   | 112.8 |       |
| 200     | 29.6  | 23.0   | 34.6  |       |





#43  
 2,4,5-Trichlorophenol  
 Concen: 45.18 ng  
 RT: 9.31 min Scan# 667  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

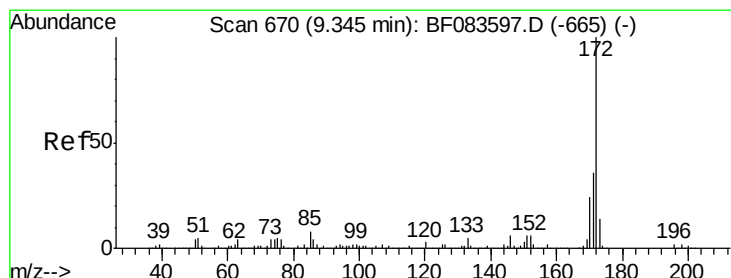
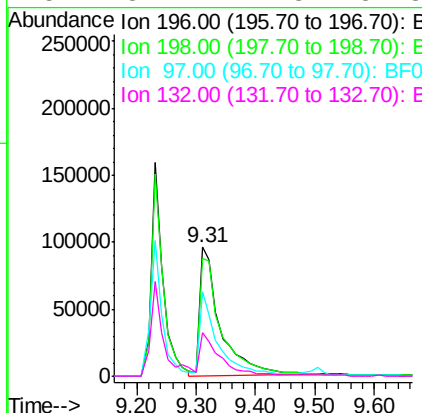
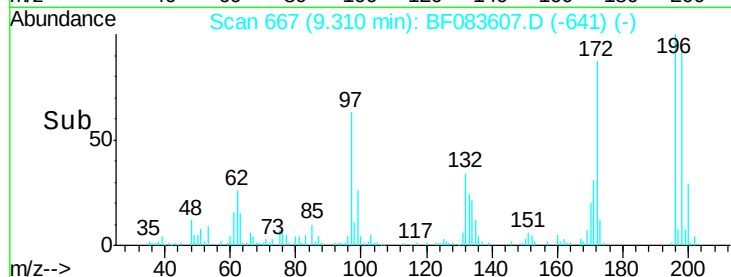
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS



| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 235841 |       |       |
| 198     | 91.5  | 77.7   | 116.5 |       |
| 97      | 65.2  | 41.2   | 61.8  | #     |
| 132     | 34.2  | 21.8   | 32.8  | #     |

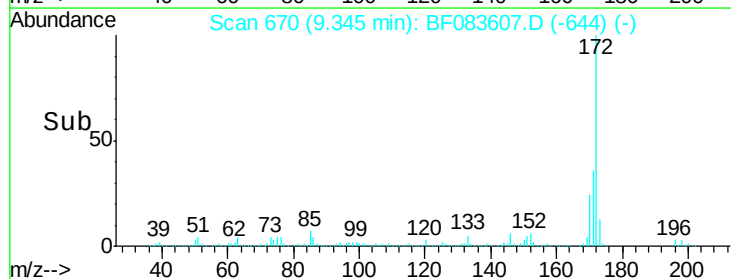
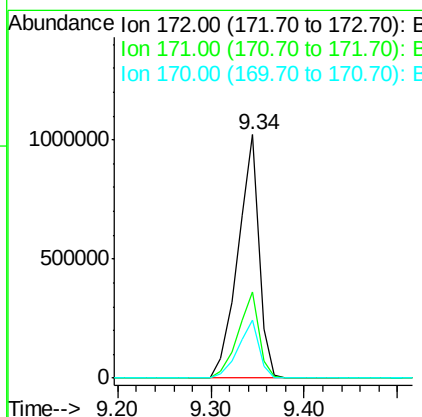
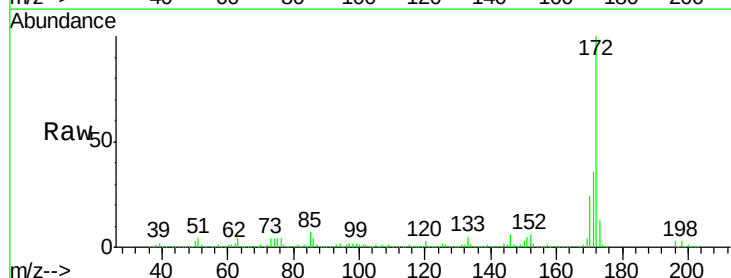
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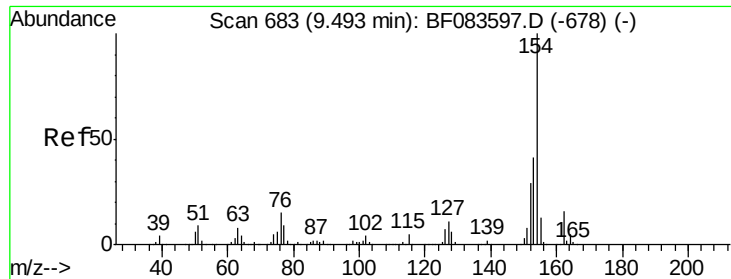
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#44  
 2-Fluorobiphenyl  
 Concen: 83.59 ng  
 RT: 9.34 min Scan# 670  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1603021 |       |       |
| 171     | 35.6  | 28.6    | 42.8  |       |
| 170     | 23.8  | 19.4    | 29.0  |       |





#45

1,1'-Biphenyl

Concen: 41.19 ng

RT: 9.49 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

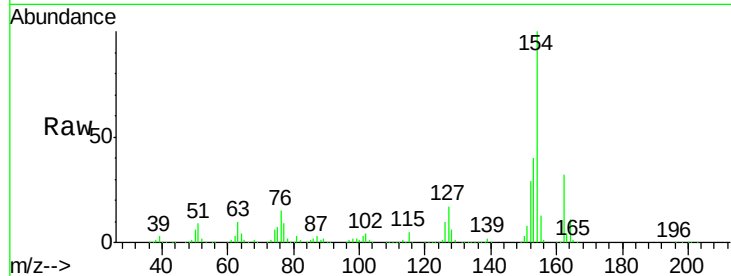
ClientSampleId :

PB87111BS

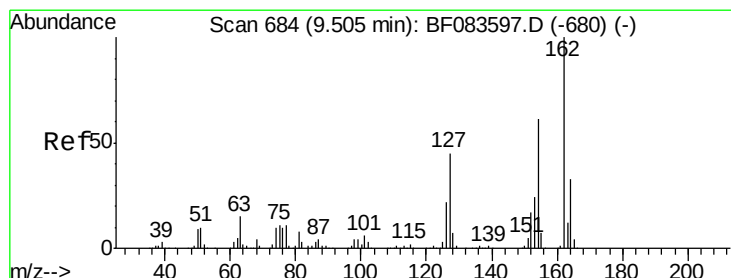
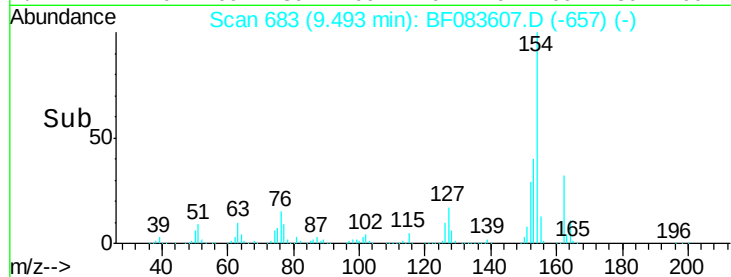
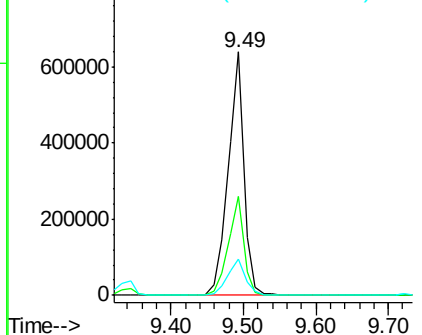
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 154  | Resp: | 966389 |
| Ion Ratio |      | Lower | Upper  |
| 154       | 100  |       |        |
| 153       | 40.4 | 20.2  | 60.2   |
| 76        | 15.0 | 0.0   | 34.8   |

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



#46

2-Chloronaphthalene

Concen: 43.28 ng

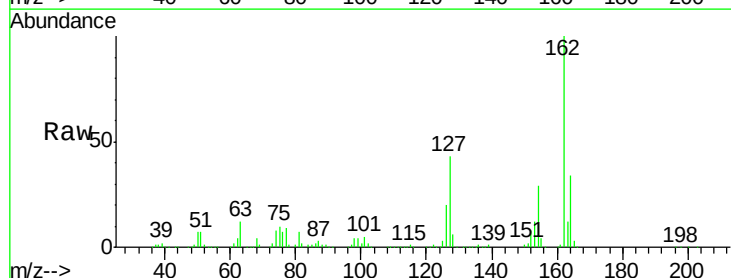
RT: 9.50 min Scan# 684

Delta R.T. 0.00 min

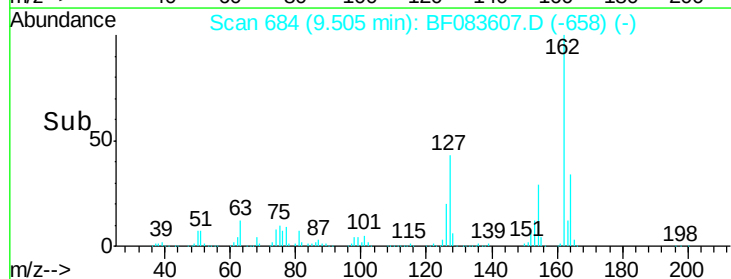
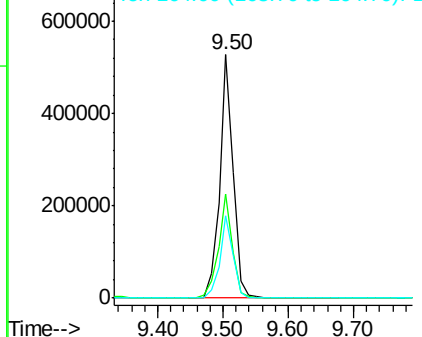
Lab File: BF083607.D

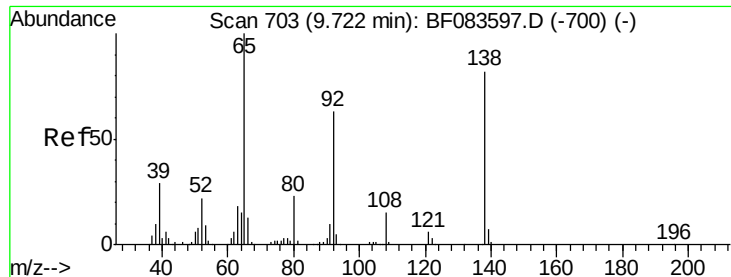
Acq: 8 Dec 2015 21:21

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 162  | Resp: | 766691 |
| Ion Ratio |      | Lower | Upper  |
| 162       | 100  |       |        |
| 127       | 42.6 | 31.0  | 46.4   |
| 164       | 33.7 | 27.4  | 41.0   |



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





#47

2-Nitroaniline

Concen: 46.49 ng

RT: 9.72 min Scan# 703

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

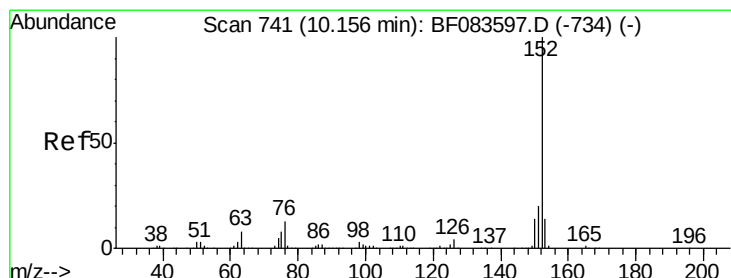
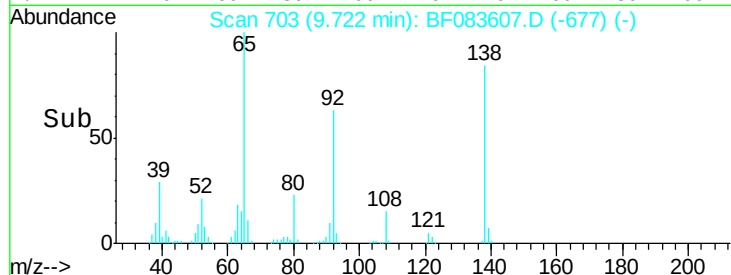
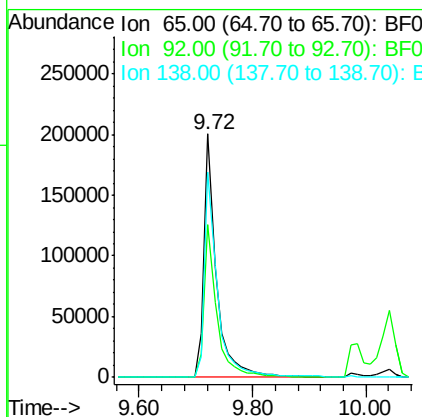
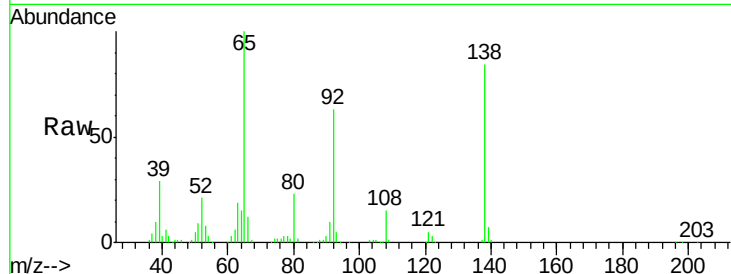
ClientSampled :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 297003 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 62.9  | 49.6  | 74.4   |
| 138       | 84.1  | 64.1  | 96.1   |

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#48

Acenaphthylene

Concen: 42.76 ng

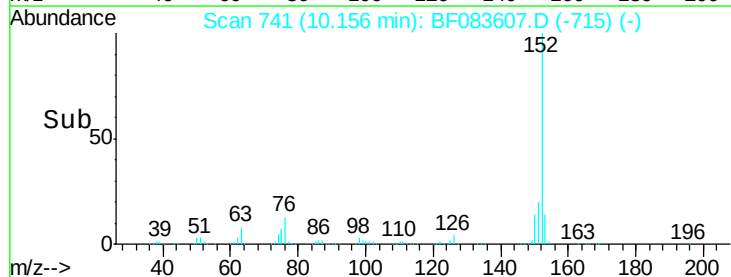
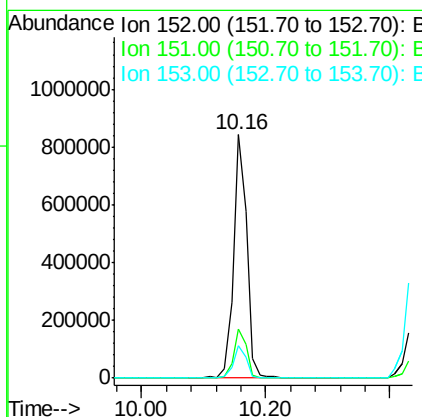
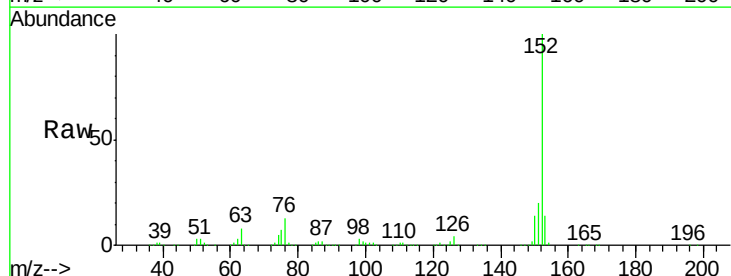
RT: 10.16 min Scan# 741

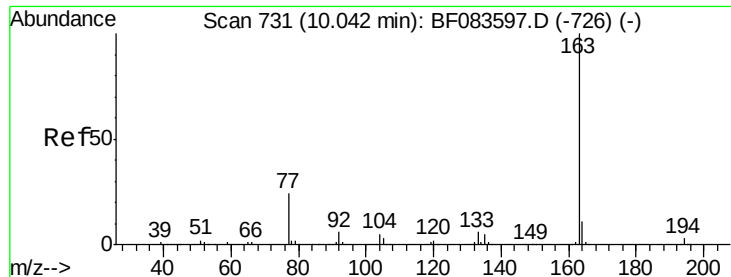
Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 1248847 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 20.2  | 16.3  | 24.5    |
| 153       | 13.6  | 10.8  | 16.2    |





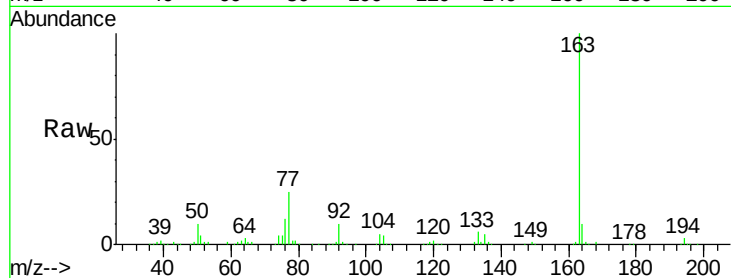
#49  
Dimethylphthalate  
Concen: 44.19 ng  
RT: 10.04 min Scan# 731  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

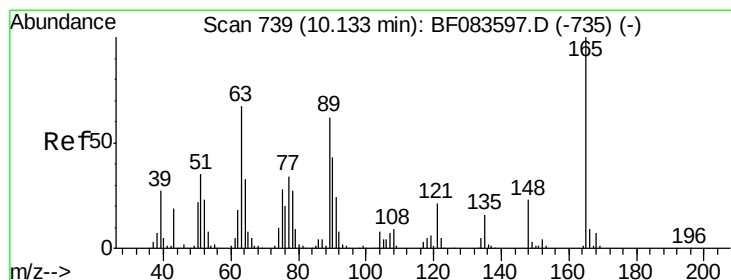
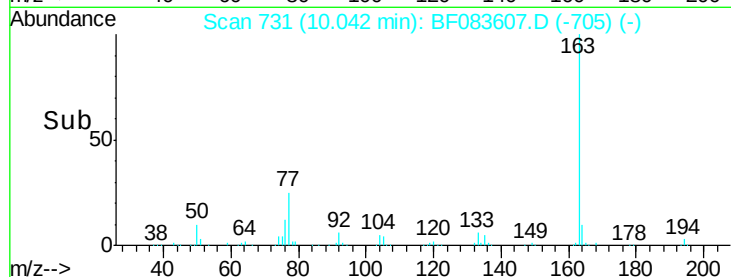
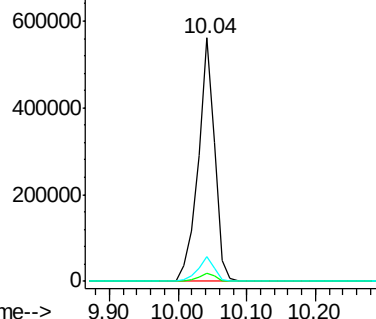
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.4   | 2.8  | 4.2   |       |
| 164     | 10.2  | 8.6  | 13.0  |       |

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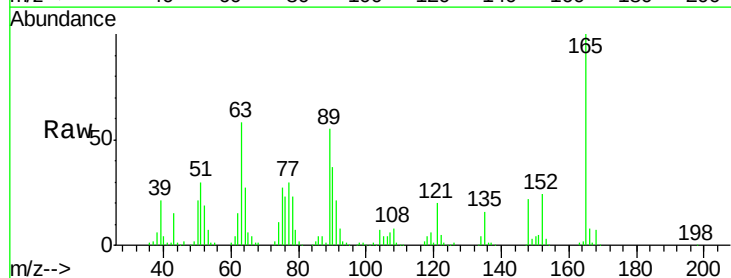


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

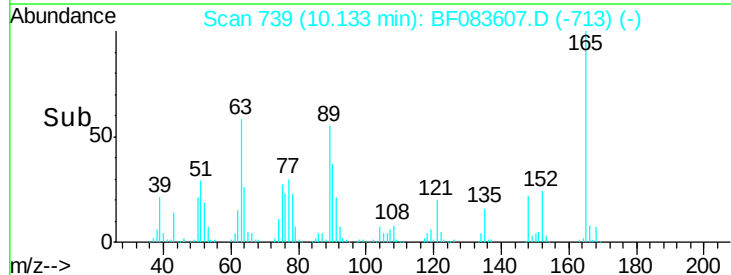
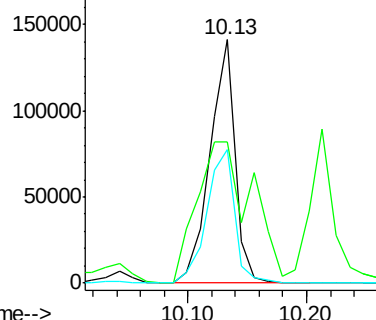


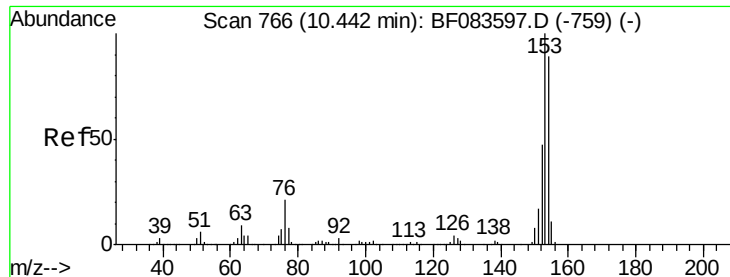
#50  
2,6-Dinitrotoluene  
Concen: 46.87 ng  
RT: 10.13 min Scan# 739  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 58.1  | 56.9 | 85.3  |       |
| 89      | 54.6  | 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: 44.20 ng

RT: 10.44 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

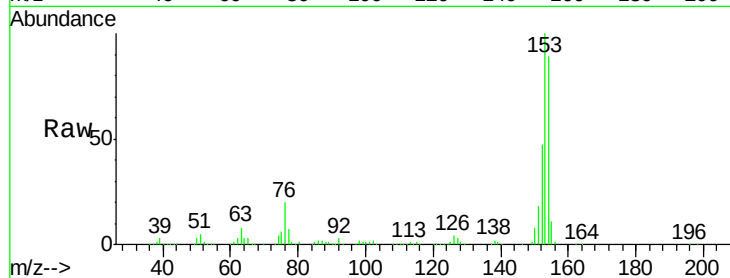
ClientSampleId :

PB87111BS

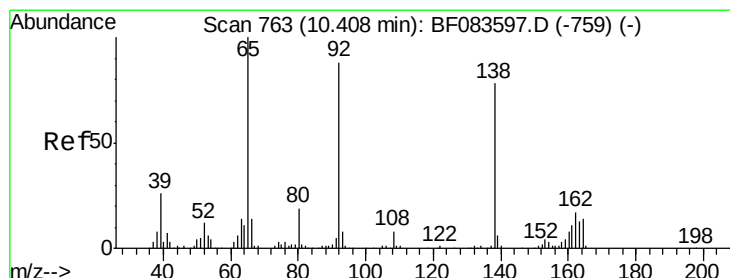
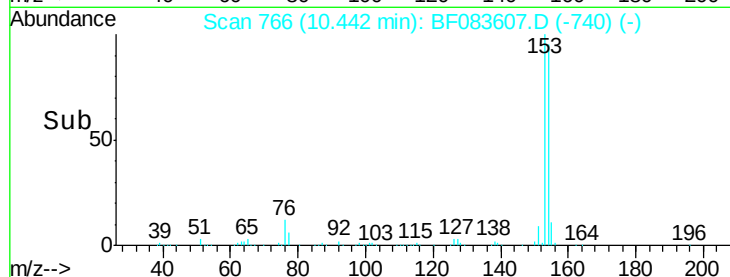
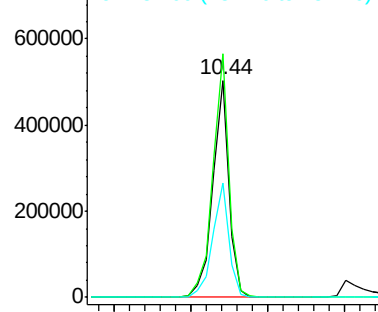
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 739133 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.2 | 91.4  | 137.0  |
| 152       | 52.7  | 43.4  | 65.2   |

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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: 24.65 ng

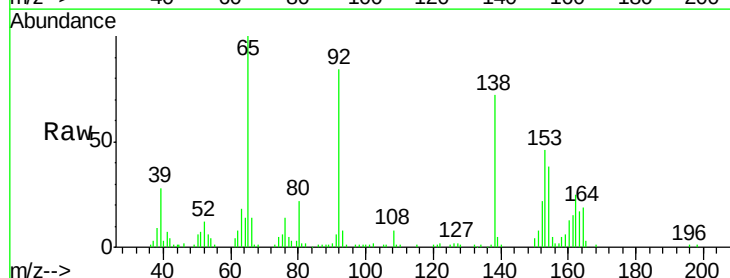
RT: 10.41 min Scan# 763

Delta R.T. 0.00 min

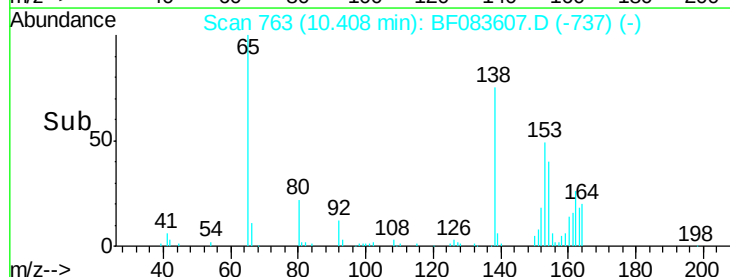
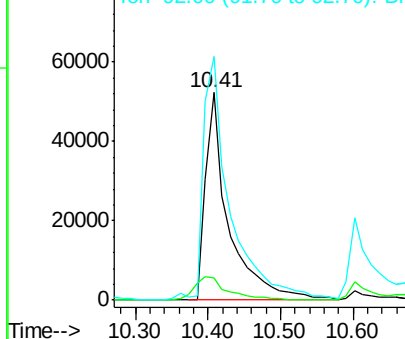
Lab File: BF083607.D

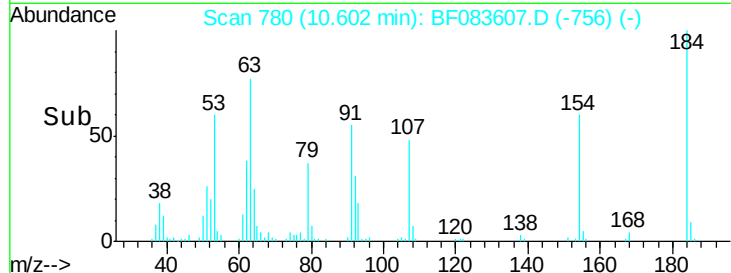
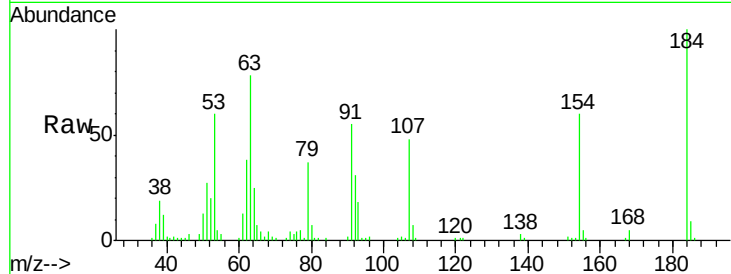
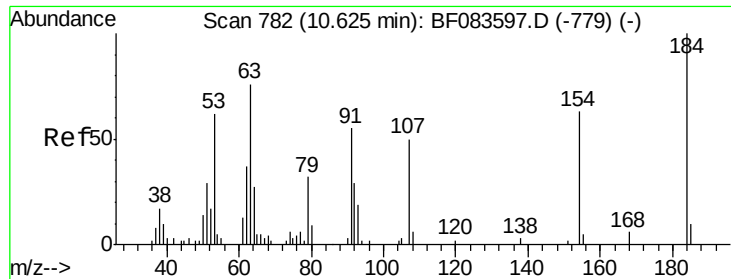
Acq: 8 Dec 2015 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 116231 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.7  | 9.9   | 14.9   |
| 92        | 117.5 | 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





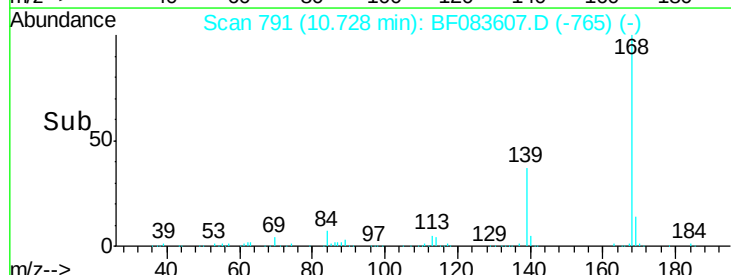
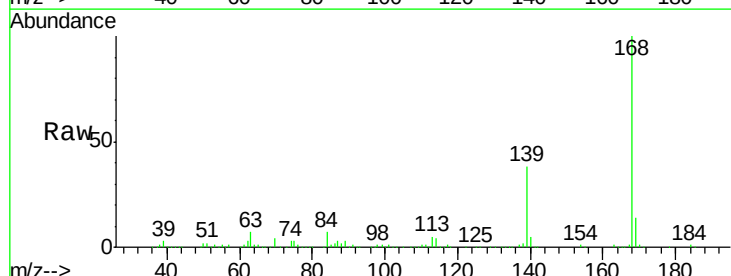
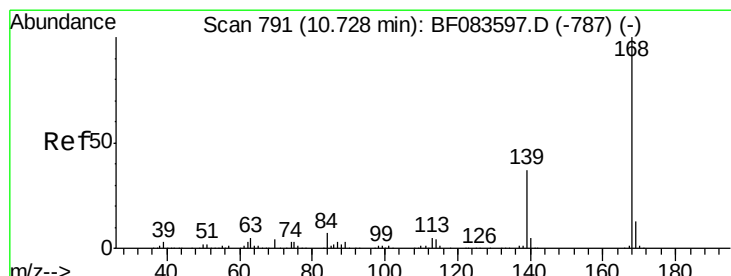
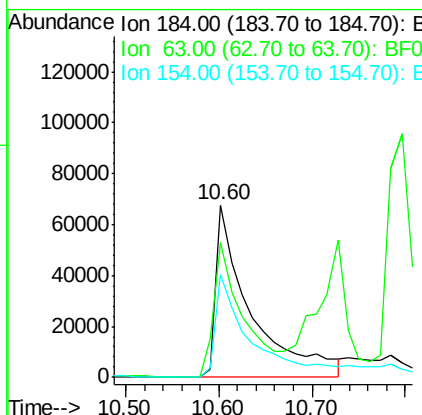
#53  
2,4-Dinitrophenol  
Concen: 79.94 ng  
RT: 10.60 min Scan# 780  
Delta R.T. -0.02 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 175488 |       |       |
| 63      | 78.0  | 62.4   | 93.6  |       |
| 154     | 59.9  | 46.6   | 69.8  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

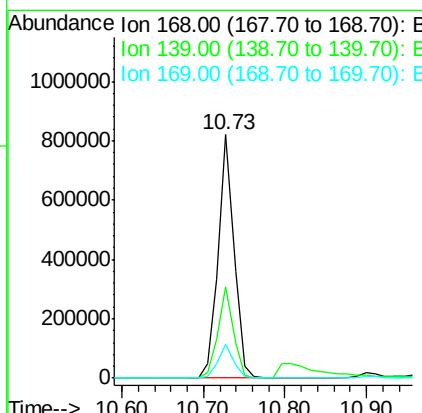
Manual Integrations  
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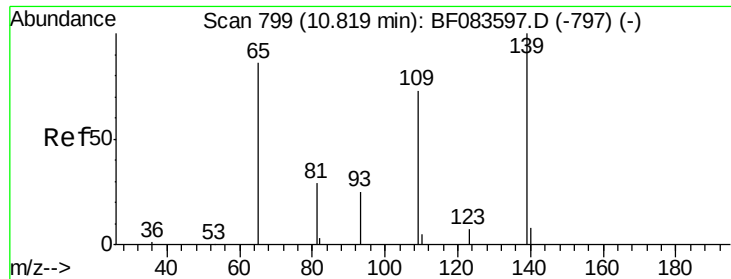
Mmdadoda  
12/9/2015 6:13:24 PM



#54  
Dibenzofuran  
Concen: 47.77 ng  
RT: 10.73 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1107704 |       |       |
| 139     | 37.6  | 28.0    | 42.0  |       |
| 169     | 13.8  | 10.8    | 16.2  |       |





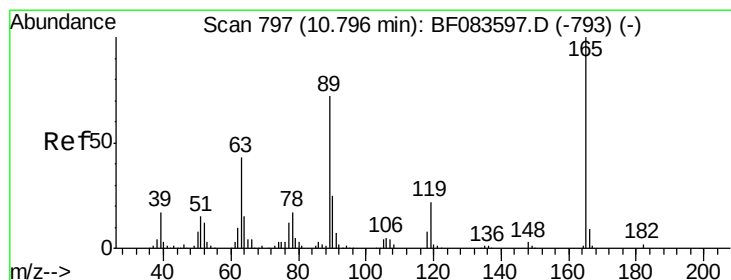
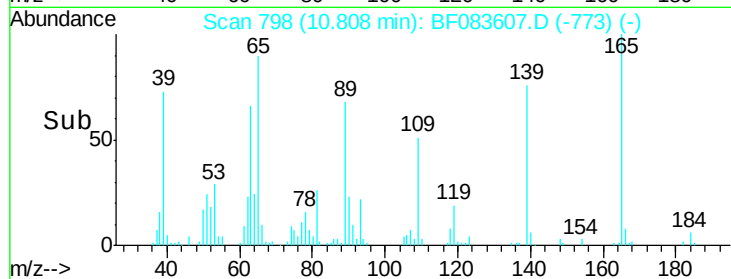
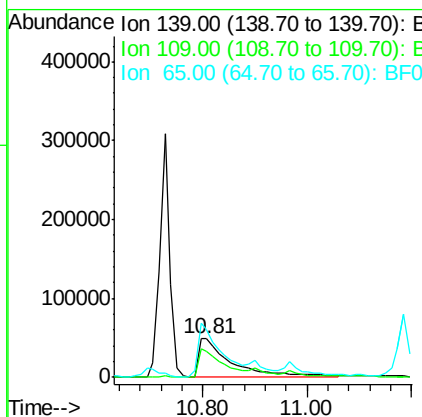
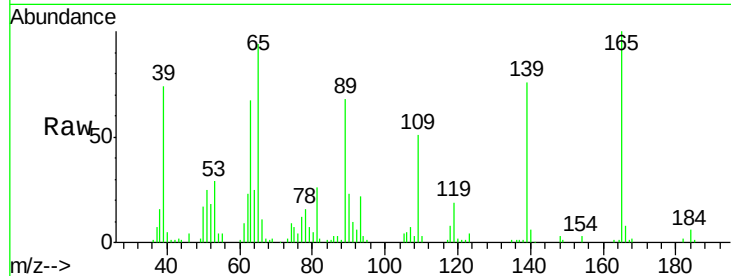
#55  
4-Nitrophenol  
Concen: 97.31 ng  
RT: 10.81 min Scan# 798  
Delta R.T. -0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 201984 |       |       |
| 109     | 67.9  | 42.0   | 82.0  |       |
| 65      | 124.0 | 89.2   | 129.2 |       |

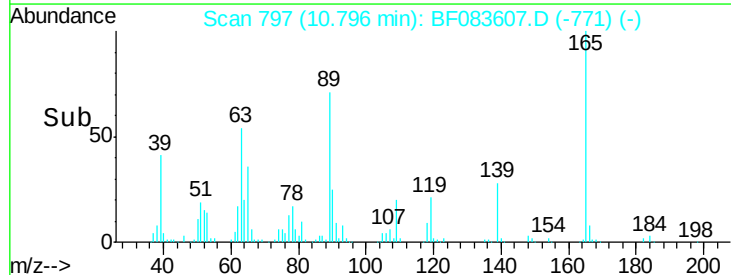
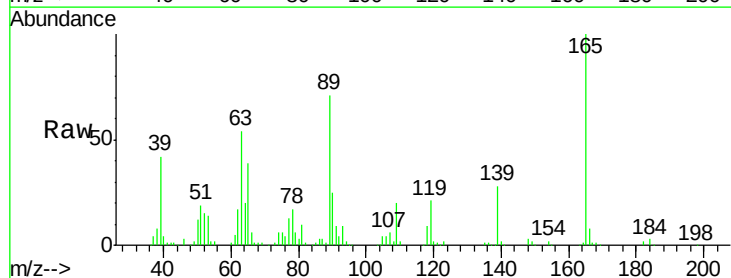
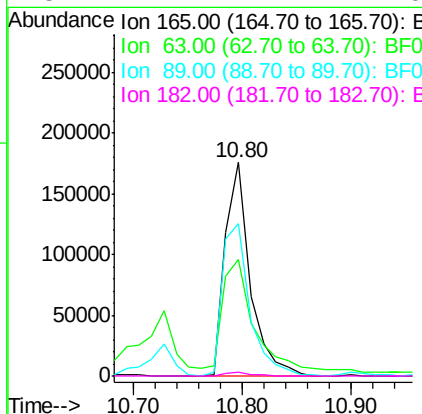
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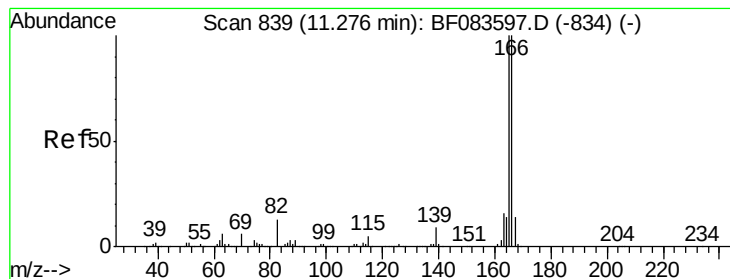


#56  
2,4-Dinitrotoluene  
Concen: 47.72 ng  
RT: 10.80 min Scan# 797  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 165     | 100   | 280729 |        |       |
| 63      | 54.4  | 51.4   | 77.2   |       |
| 89      | 71.3  | 72.6   | 108.8# |       |
| 182     | 2.1   | 1.4    | 2.0#   |       |







#57

Fluorene

Concen: 44.14 ng

RT: 11.28 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

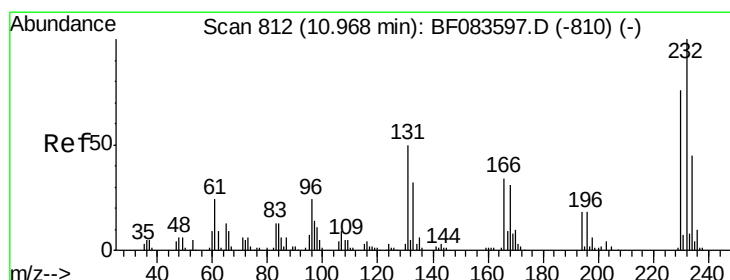
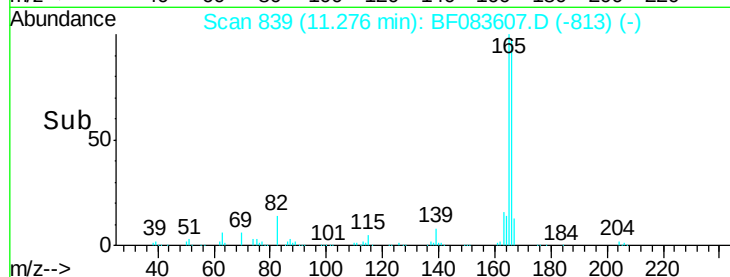
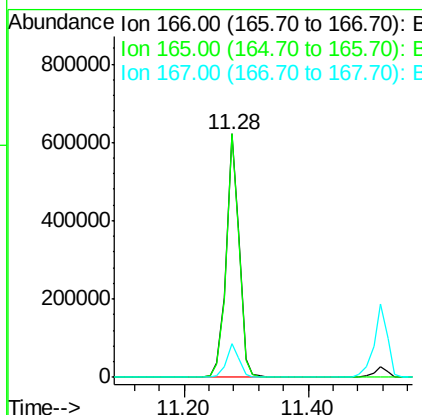
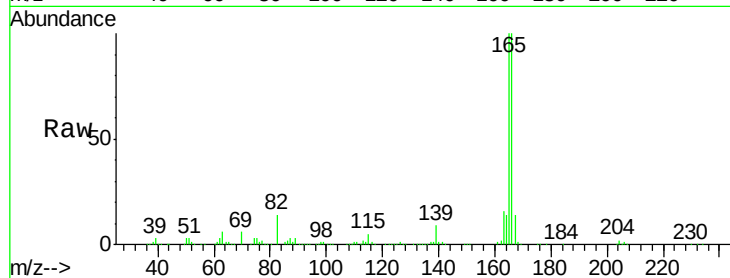
ClientSampleId :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 893197 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 99.9  | 80.0  | 120.0  |
| 167       | 13.9  | 10.6  | 16.0   |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 48.77 ng

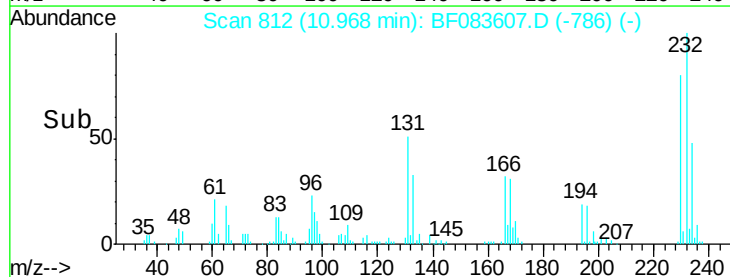
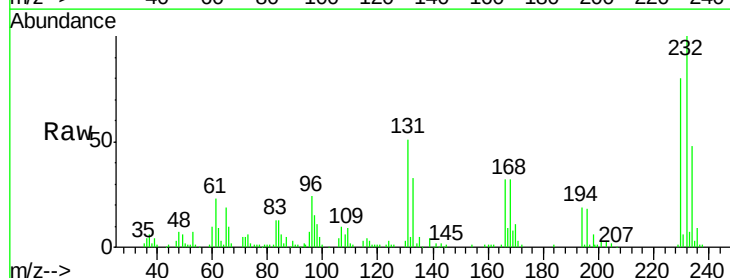
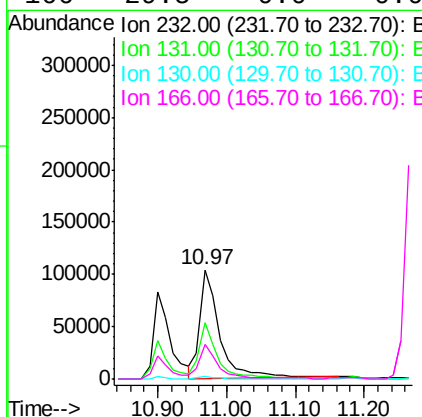
RT: 10.97 min Scan# 812

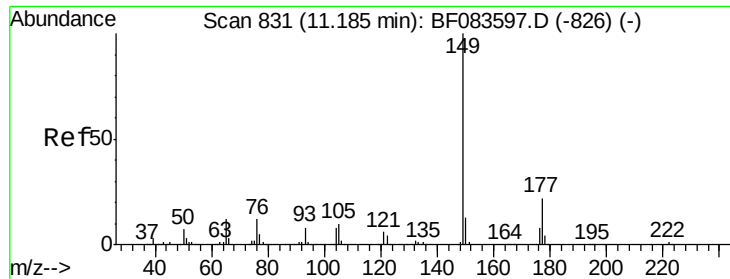
Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 205191 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 48.4  | 0.0   | 0.0#   |
| 130       | 2.0   | 0.0   | 0.0#   |
| 166       | 29.5  | 0.0   | 0.0#   |





#59

Diethylphthalate

Concen: 44.20 ng

RT: 11.18 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

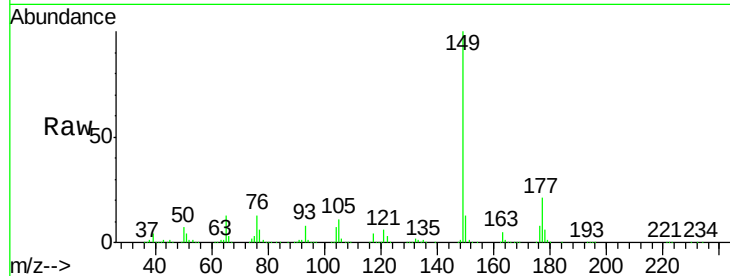
ClientSampleId :

PB87111BS

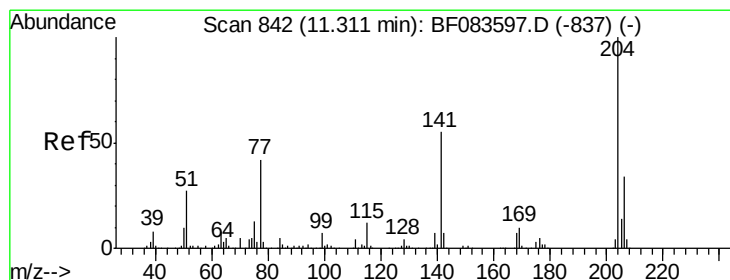
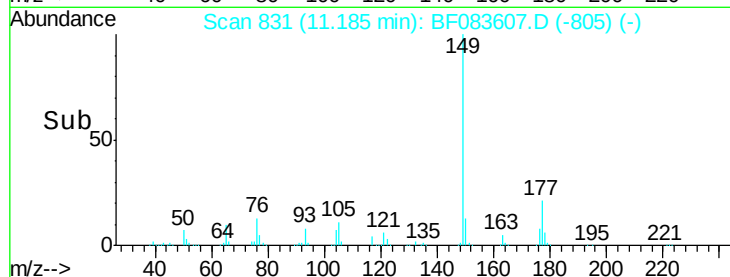
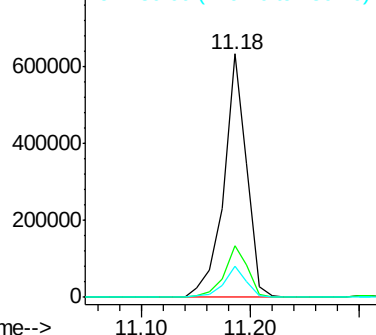
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 923377 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.3  | 16.9  | 25.3   |
| 150       | 12.6  | 10.2  | 15.4   |

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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: 43.99 ng

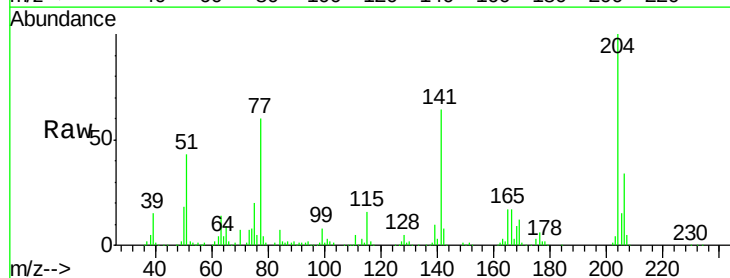
RT: 11.30 min Scan# 841

Delta R.T. -0.01 min

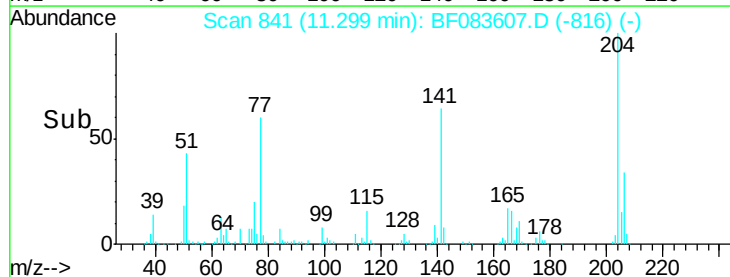
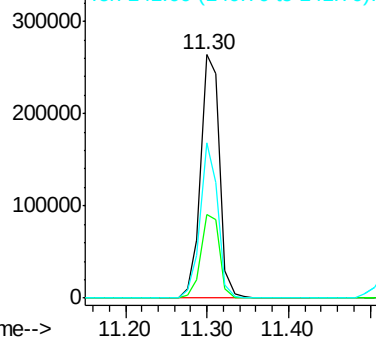
Lab File: BF083607.D

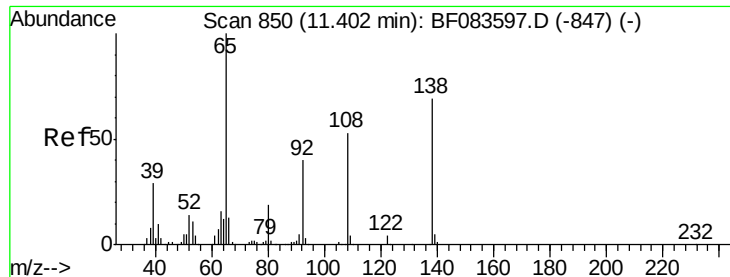
Acq: 8 Dec 2015 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 423777 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 34.2  | 27.3  | 40.9   |
| 141       | 63.7  | 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





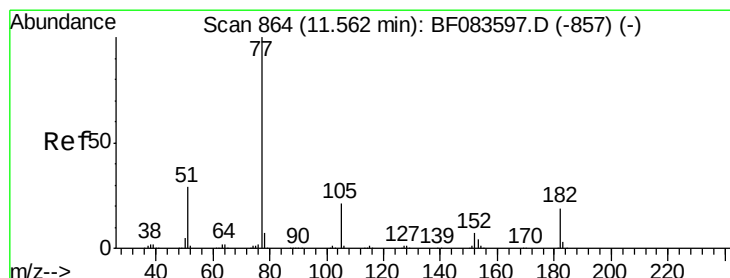
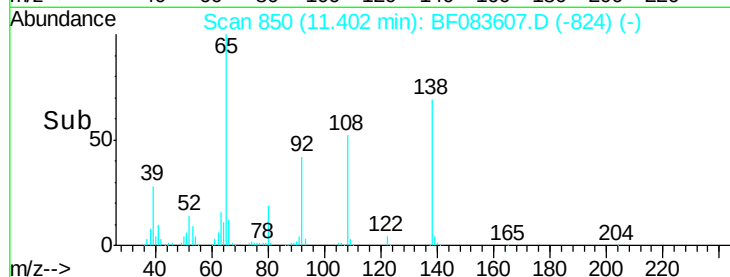
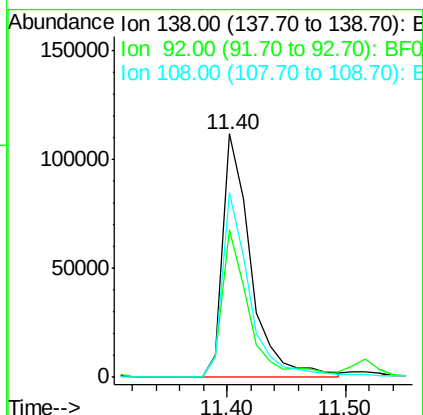
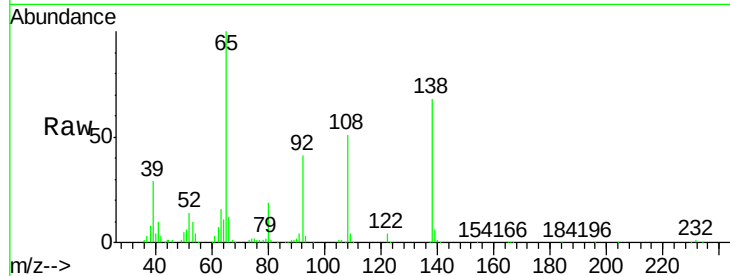
#61  
4-Nitroaniline  
Concen: 42.76 ng  
RT: 11.40 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 60.5  | 29.0  | 69.0  |
| 108     | 75.8  | 47.4  | 87.4  |

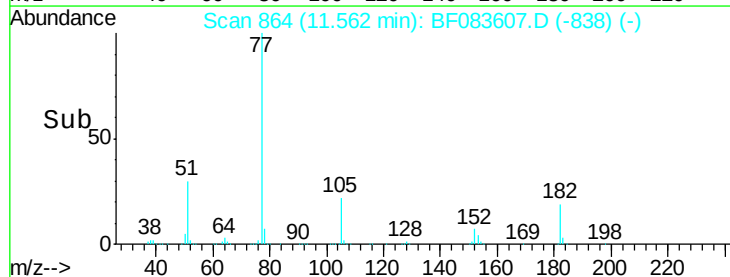
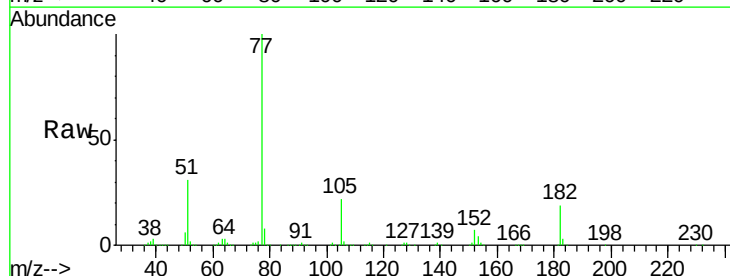
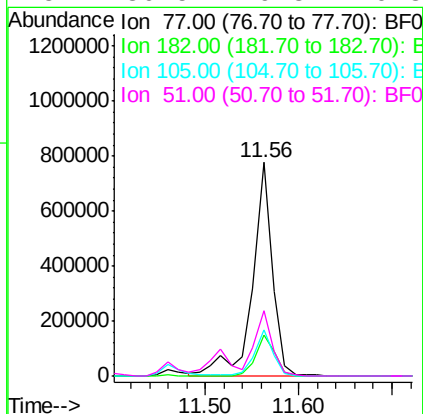
Manual Integrations  
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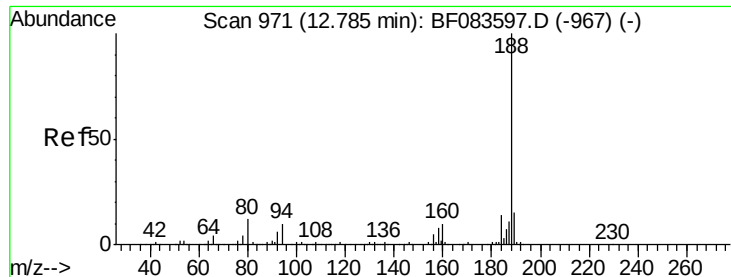
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#62  
Azobenzene  
Concen: 49.78 ng  
RT: 11.56 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 19.4  | 2.5   | 42.5  |
| 105     | 21.8  | 2.1   | 42.1  |
| 51      | 30.5  | 9.3   | 49.3  |





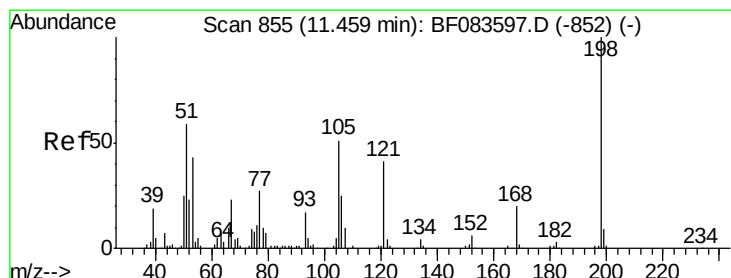
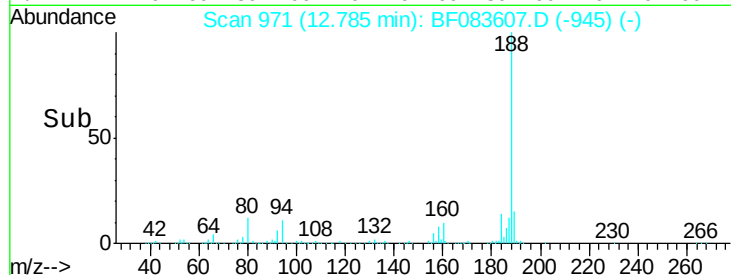
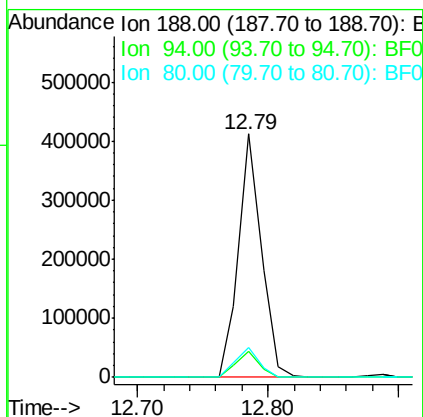
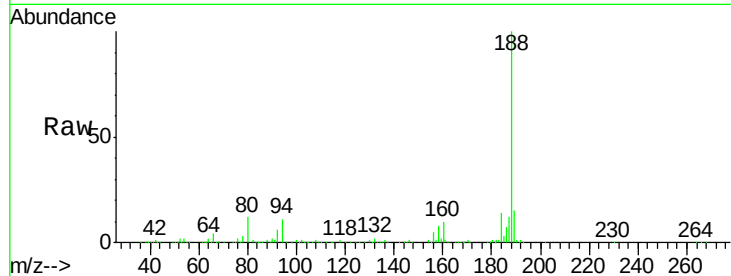
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.79 min Scan# 971  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 10.6  | 9.4        | 14.2  |
| 80      | 12.4  | 10.6       | 16.0  |

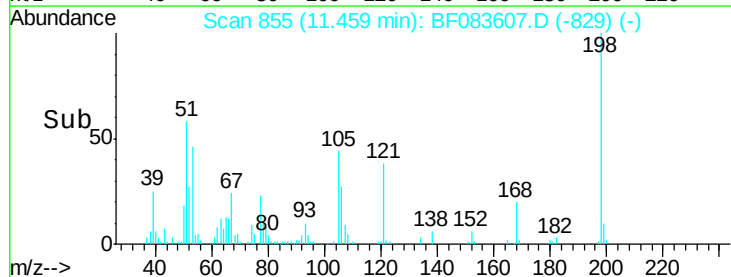
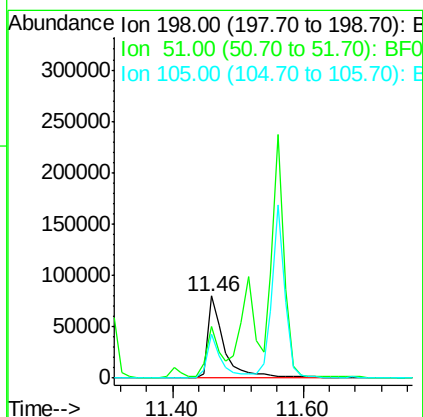
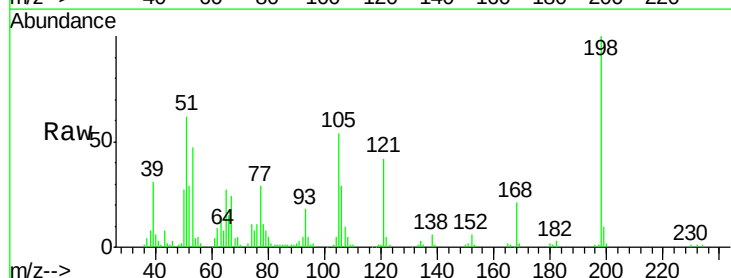
Manual Integrations  
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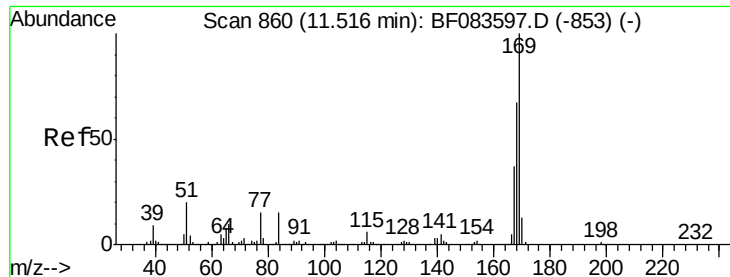
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.49 ng  
RT: 11.46 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 62.4  | 53.8       | 93.8  |
| 105     | 54.1  | 38.6       | 78.6  |





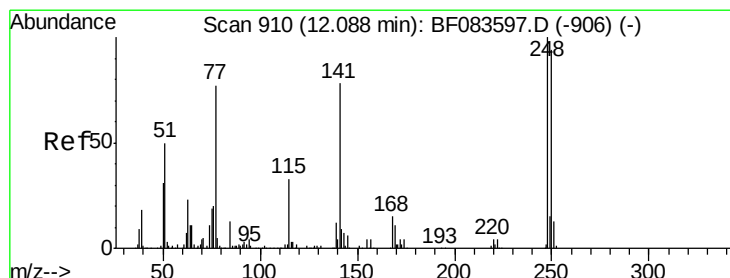
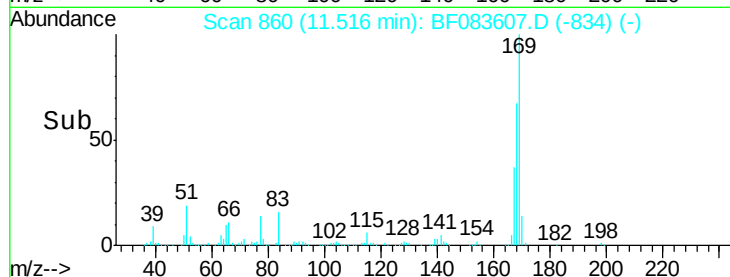
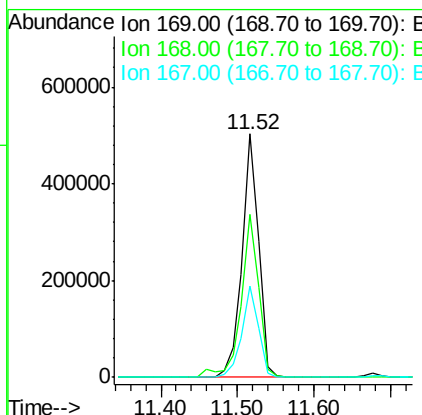
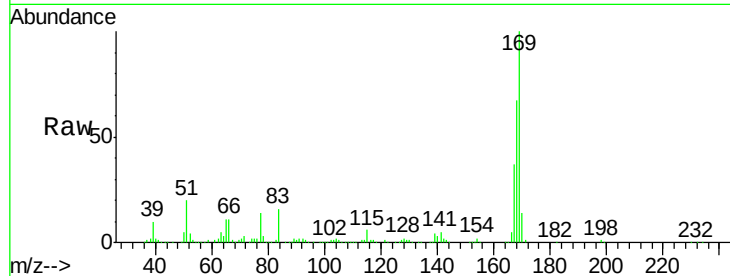
#65  
n-Nitrosodiphenylamine  
Concen: 45.72 ng  
RT: 11.52 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 762029 |       |       |
| 168     | 67.1  | 53.0   | 79.6  |       |
| 167     | 37.3  | 29.3   | 43.9  |       |

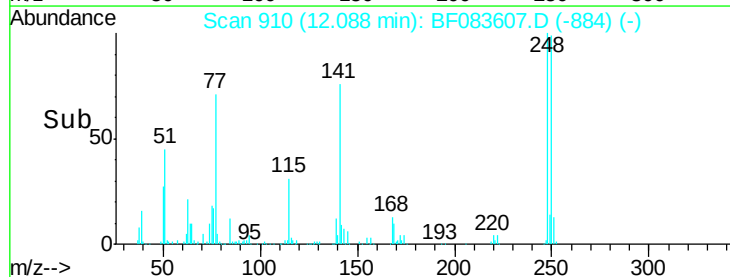
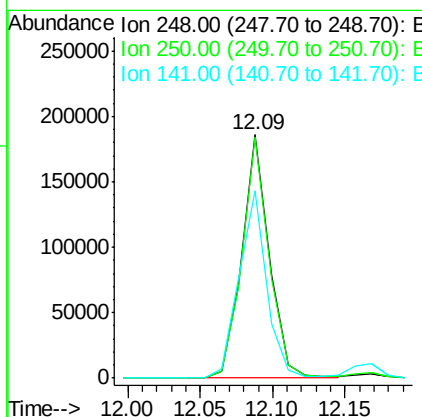
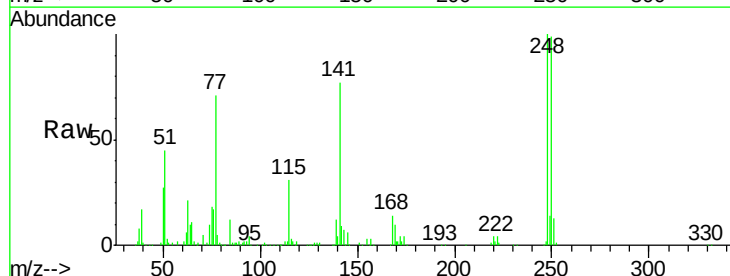
Manual Integrations  
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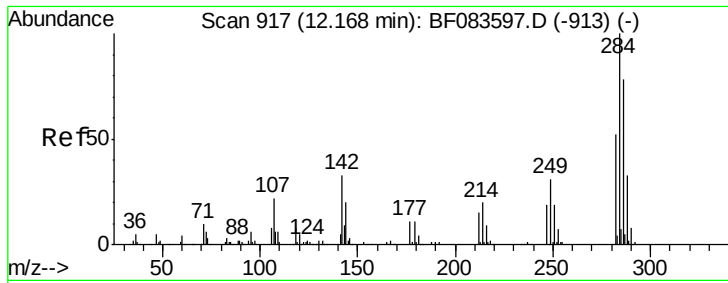
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#66  
4-Bromophenyl-phenylether  
Concen: 43.24 ng  
RT: 12.09 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 243616 |       |       |
| 250     | 99.2  | 79.2   | 118.8 |       |
| 141     | 76.8  | 58.2   | 87.4  |       |





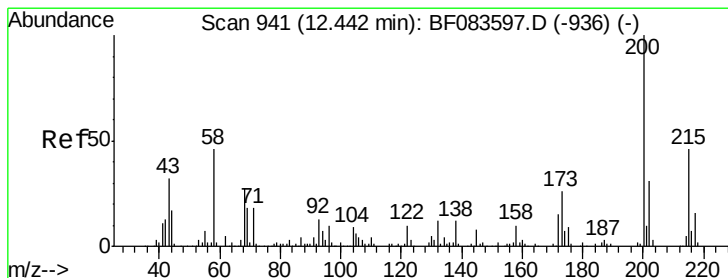
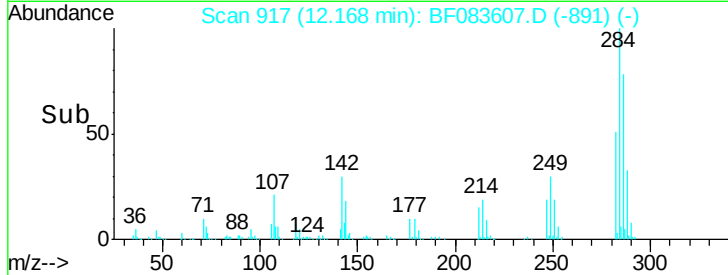
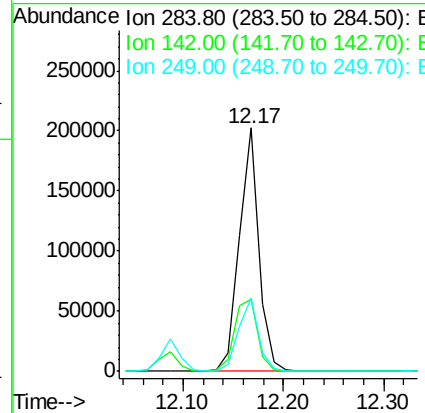
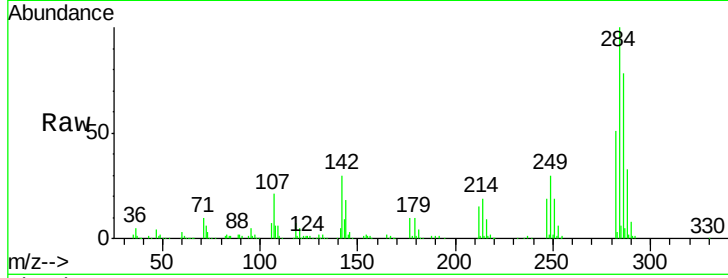
#67  
Hexachlorobenzene  
Concen: 45.86 ng  
RT: 12.17 min Scan# 917  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampled :  
PB87111BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 274080 |       |       |
| 142     | 29.8  | 31.0   | 46.4# |       |
| 249     | 30.2  | 26.9   | 40.3  |       |

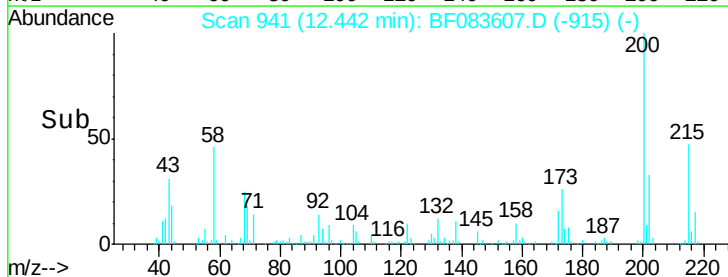
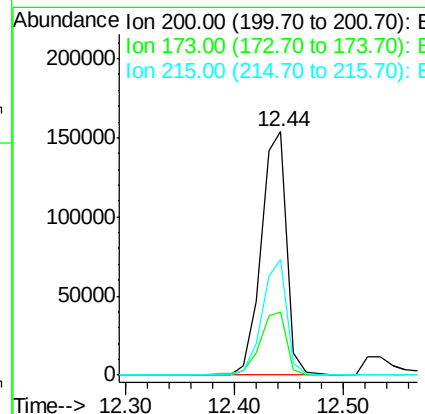
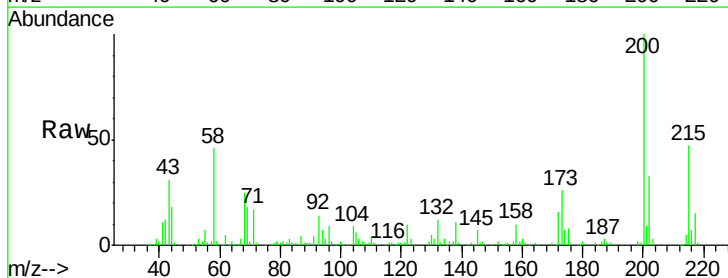
Manual Integrations  
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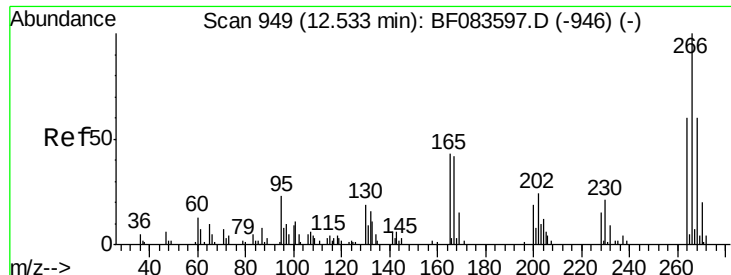
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#68  
Atrazine  
Concen: 50.69 ng  
RT: 12.44 min Scan# 941  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 251379 |       |       |
| 173     | 26.1  | 7.8    | 47.8  |       |
| 215     | 47.4  | 25.7   | 65.7  |       |





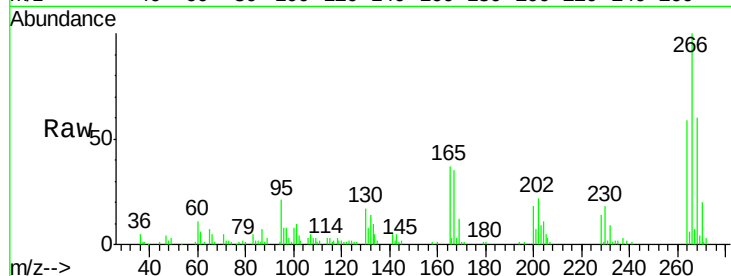
#69  
 Pentachlorophenol  
 Concen: 95.83 ng  
 RT: 12.53 min Scan# 949  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

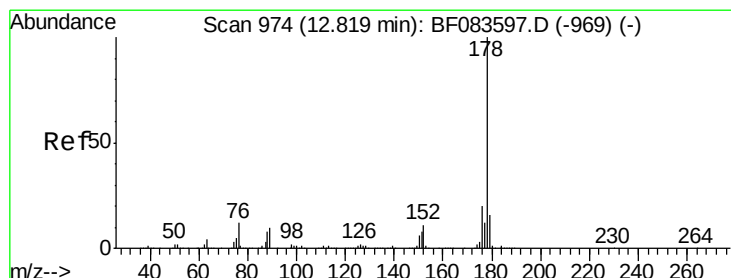
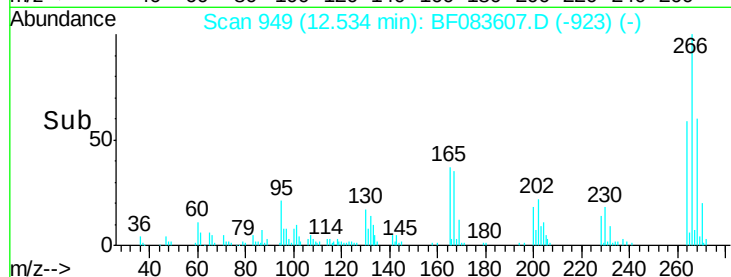
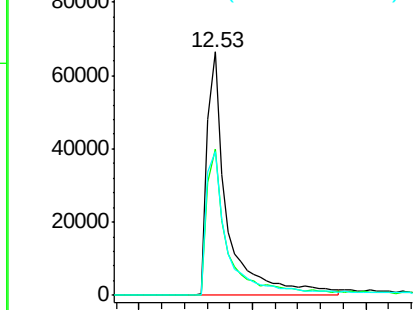
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 159221 |       |       |
| 268     | 60.1  | 50.2   | 75.2  |       |
| 264     | 58.9  | 51.4   | 77.2  |       |

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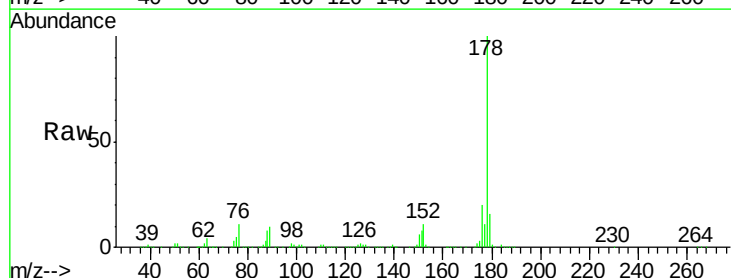


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

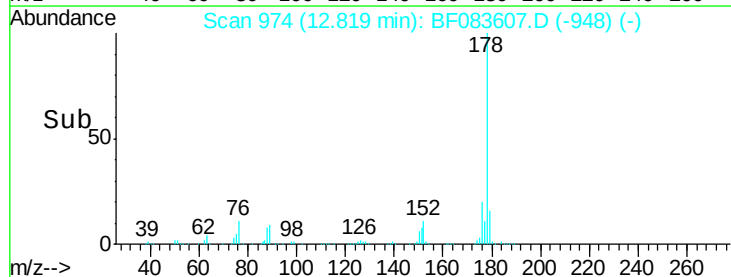
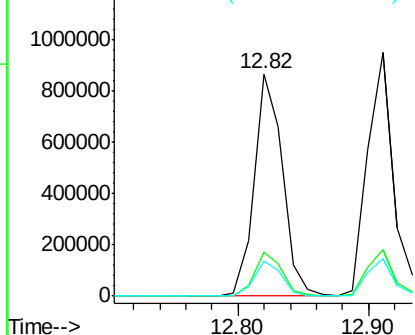


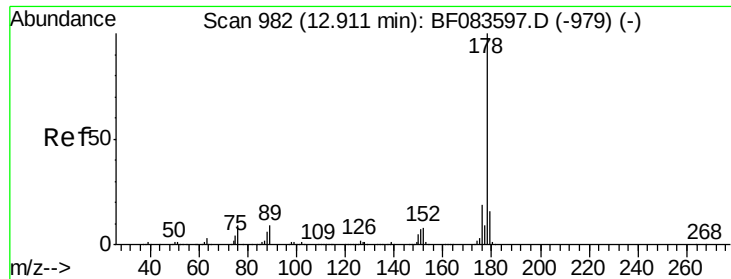
#70  
 Phenanthrene  
 Concen: 45.25 ng  
 RT: 12.82 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1313234 |       |       |
| 176     | 20.0  | 15.7    | 23.5  |       |
| 179     | 15.9  | 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





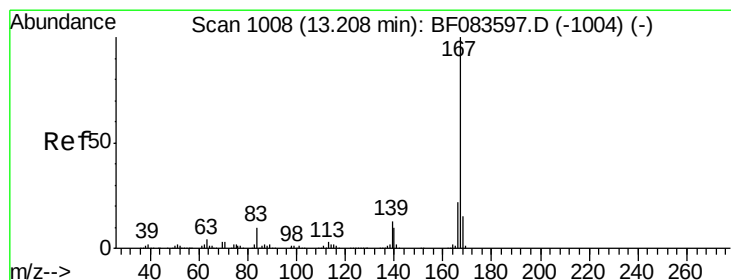
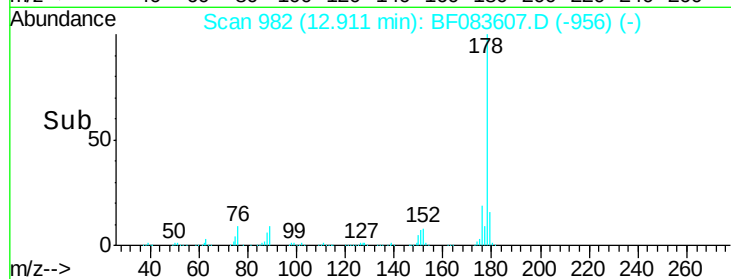
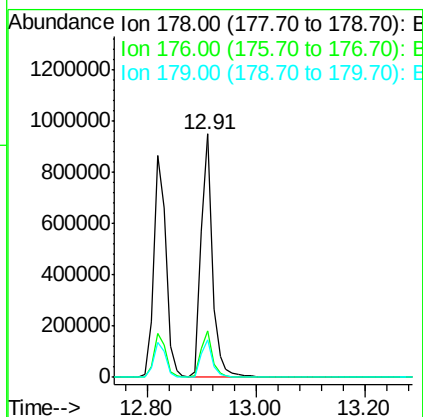
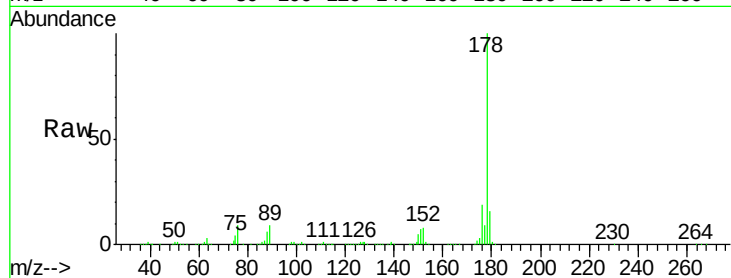
#71  
 Anthracene  
 Concen: 45.10 ng  
 RT: 12.91 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

Tot Ion:178 Resp: 1355783  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.2 22.8  
 179 15.6 12.6 18.8

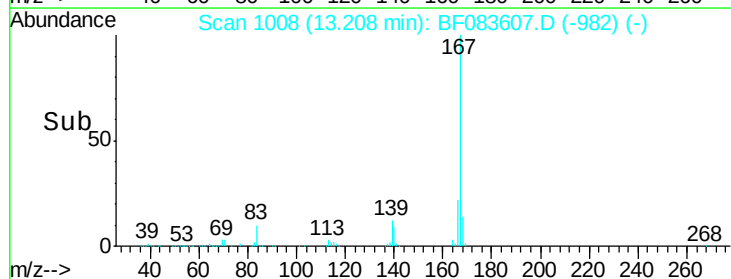
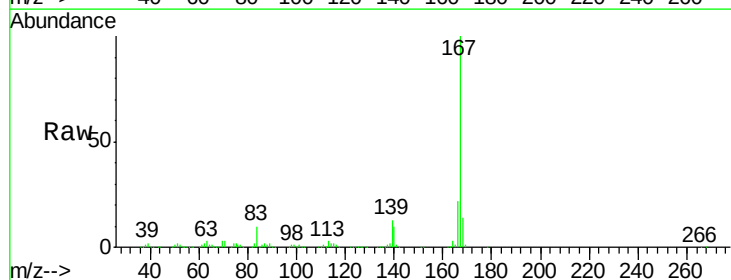
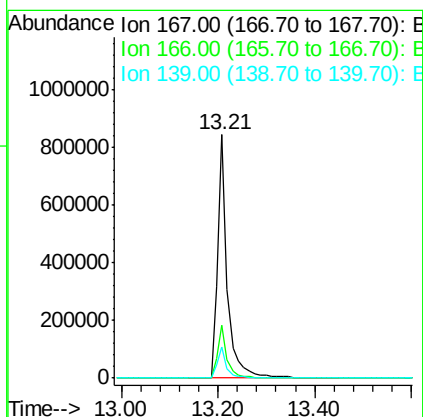
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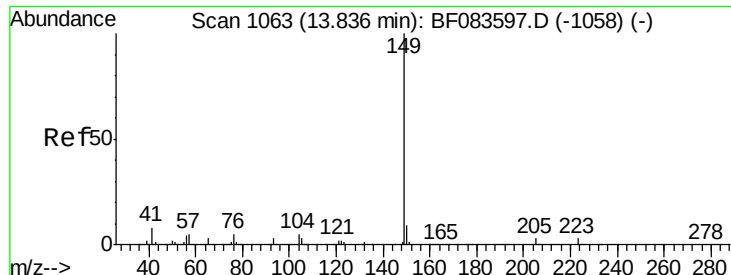


#72  
 Carbazole  
 Concen: 46.87 ng  
 RT: 13.21 min Scan# 1008  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Tgt Ion:167 Resp: 1208246  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.2 25.8  
 139 12.7 9.3 13.9







#73

Di-n-butylphthalate

Concen: 46.33 ng

RT: 13.84 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

ClientSampleId :

PB87111BS

Tot Ion:149 Resp: 1502071

Ion Ratio Lower Upper

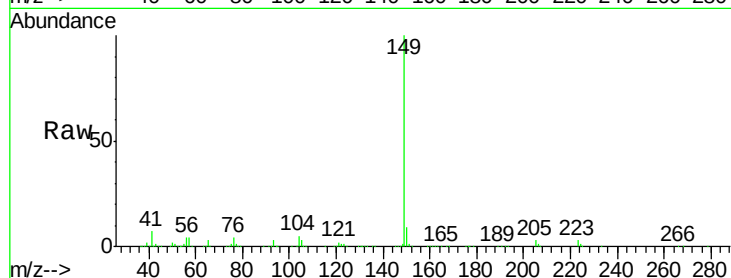
149 100

150 9.2 7.8 11.6

104 4.5 3.9 5.9

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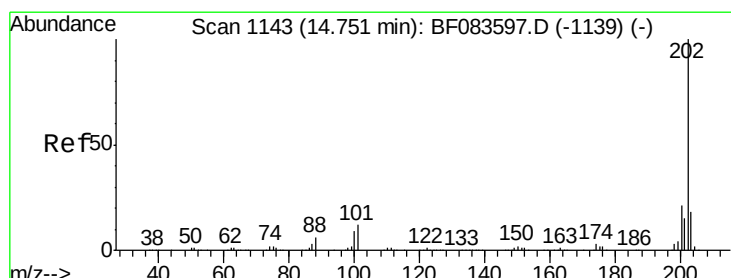
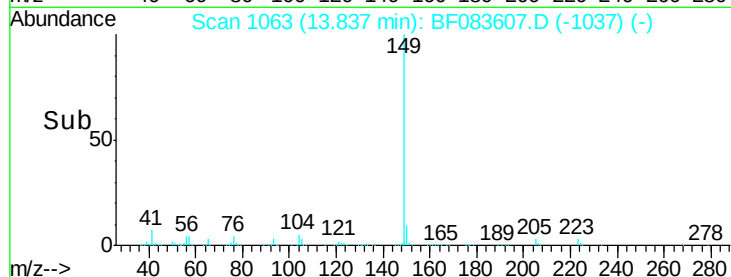
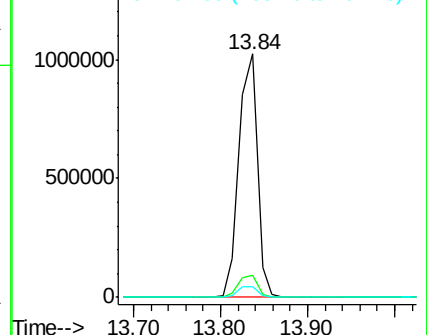
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.40 ng

RT: 14.75 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

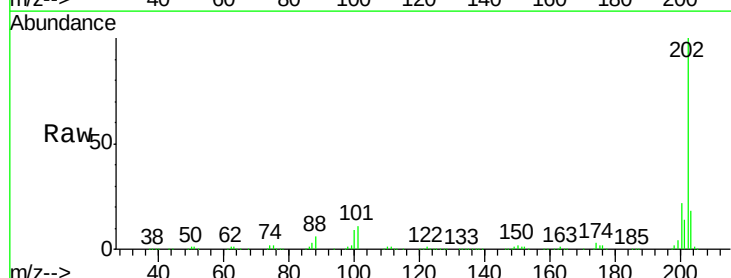
Tgt Ion:202 Resp: 1347817

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.5

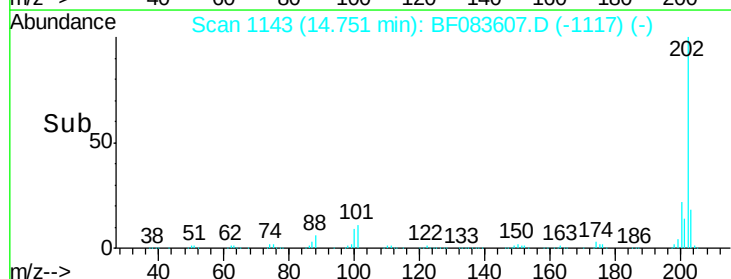
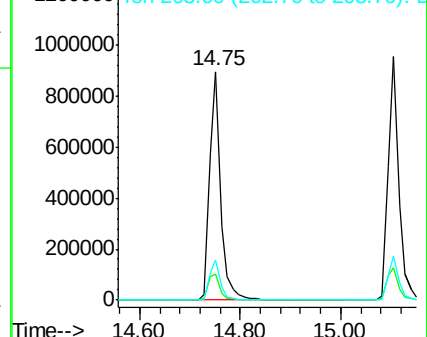
203 17.8 0.0 37.6

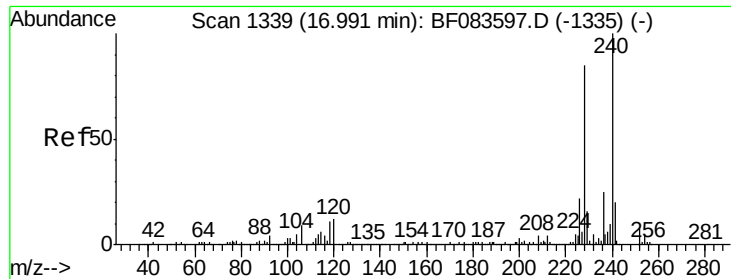


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.99 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

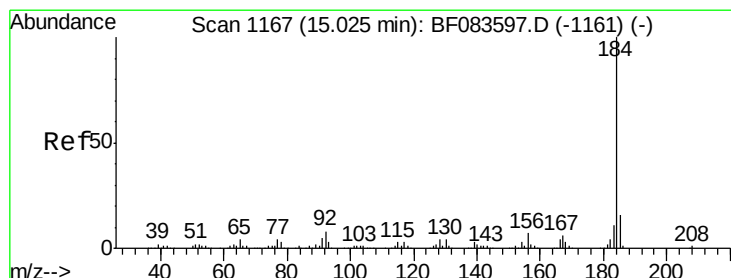
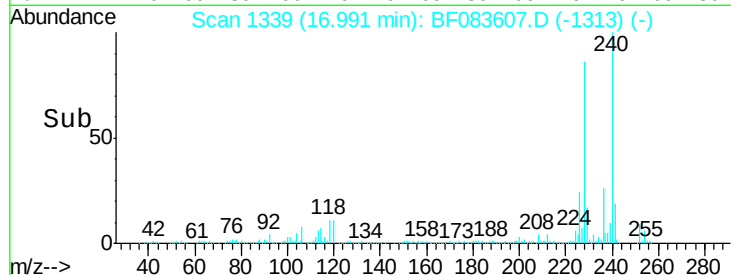
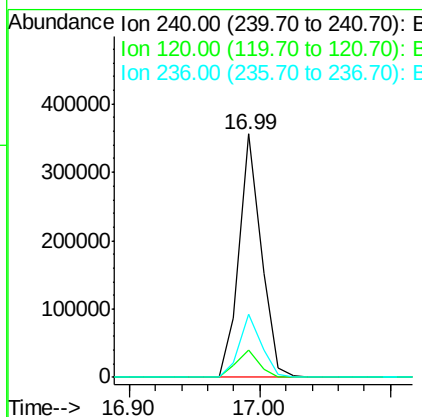
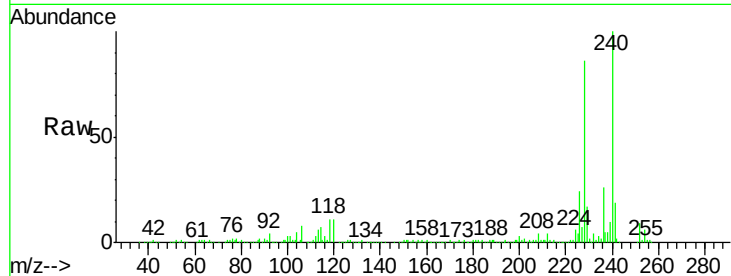
ClientSampleId :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 421432 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.2  | 8.1   | 12.1   |
| 236       | 25.7  | 20.8  | 31.2   |

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#76

Benzidine

Concen: 31.13 ng

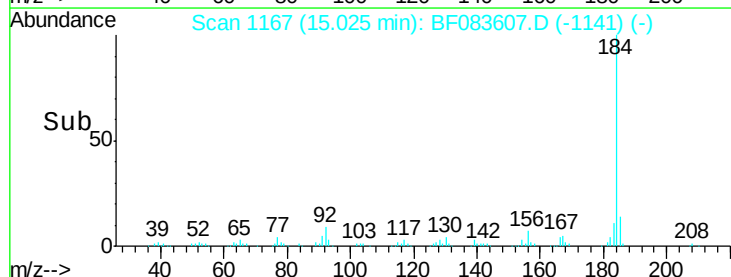
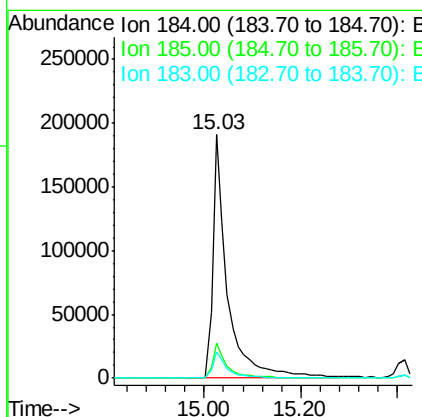
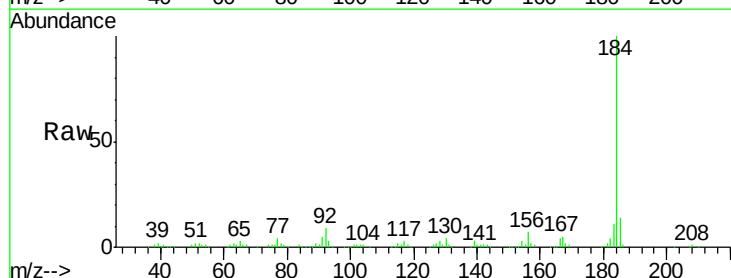
RT: 15.03 min Scan# 1167

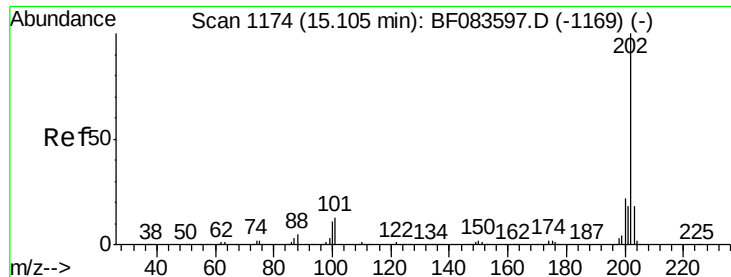
Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 408132 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.3  | 13.0  | 19.6   |
| 183       | 10.8  | 9.0   | 13.4   |





#77

Pvrene

Concen: 46.20 ng

RT: 15.11 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

ClientSampleId :

PB87111BS

Tot Ion:202 Resp: 1401895

Ion Ratio Lower Upper

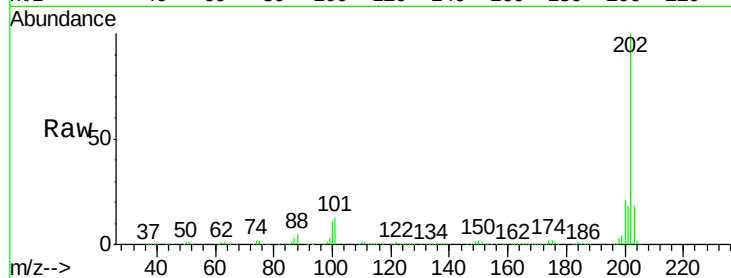
202 100

200 21.0 16.7 25.1

203 18.2 14.3 21.5

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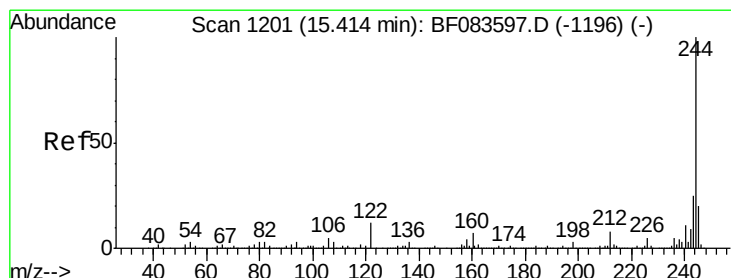
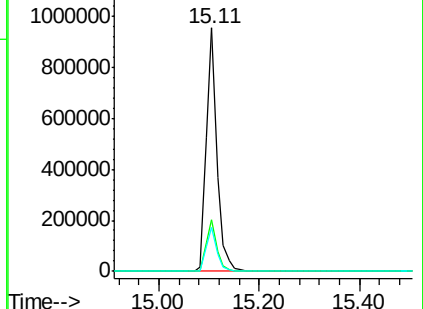
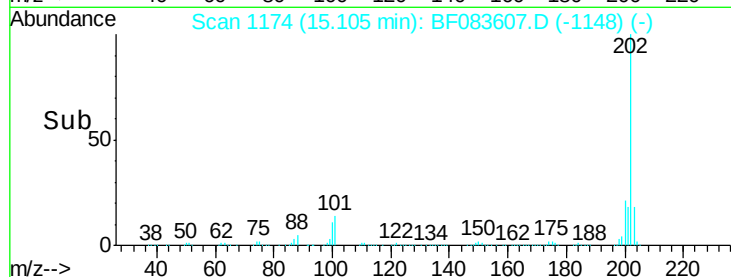
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 87.22 ng

RT: 15.41 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

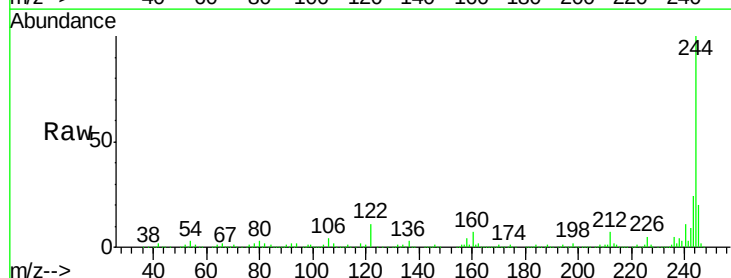
Tgt Ion:244 Resp: 1562198

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

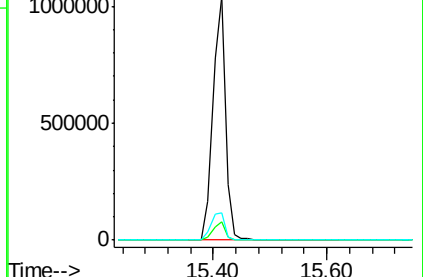
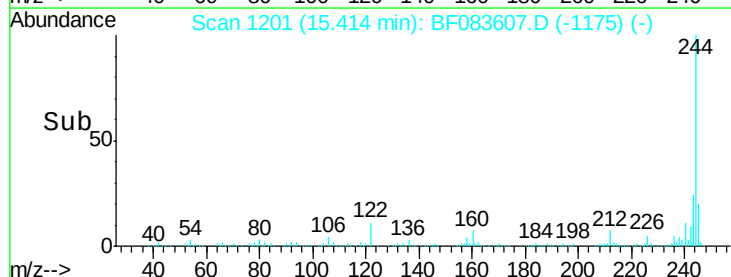
122 11.3 11.0 16.6

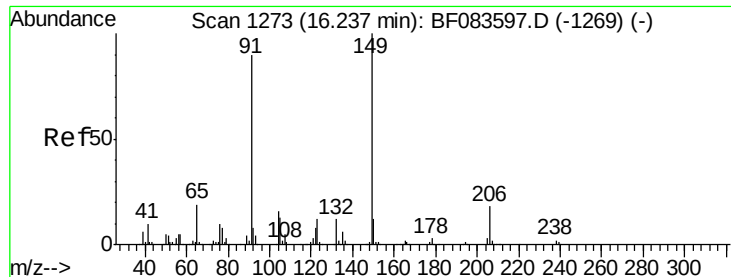


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 46.58 ng

RT: 16.24 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

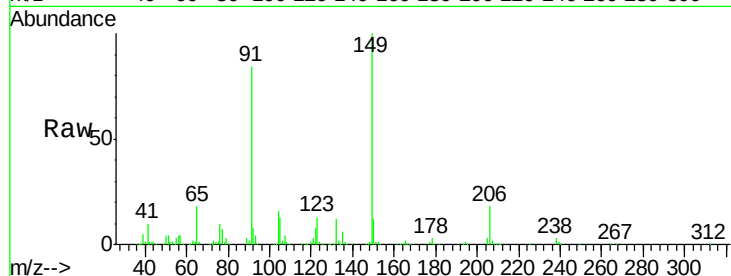
ClientSampleId :

PB87111BS

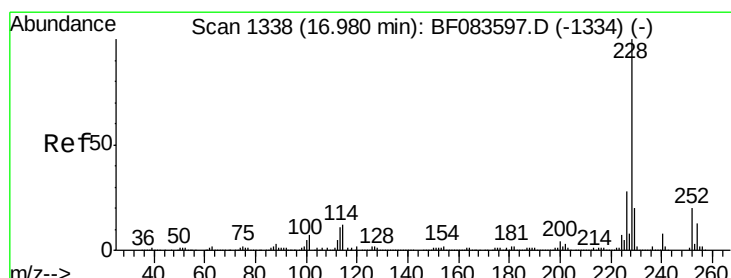
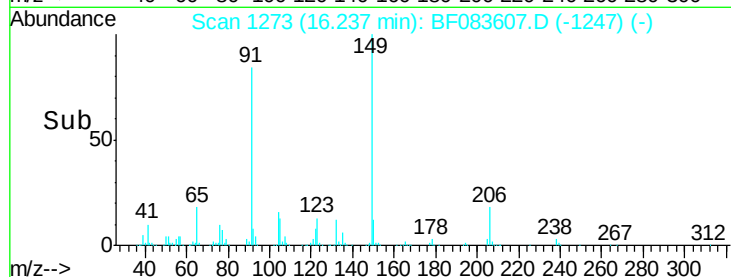
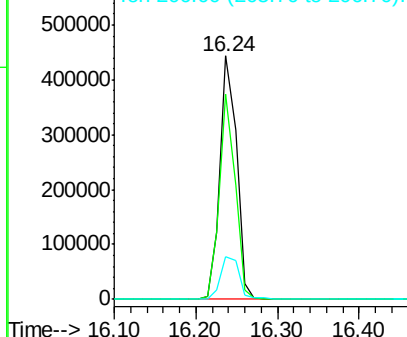
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 627365 |       |       |
| 91      | 84.2 |       | 60.0   | 90.0  |       |
| 206     | 17.6 |       | 16.2   | 24.4  |       |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 46.07 ng

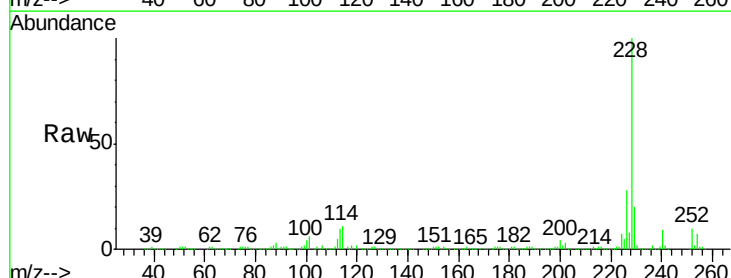
RT: 16.98 min Scan# 1338

Delta R.T. 0.00 min

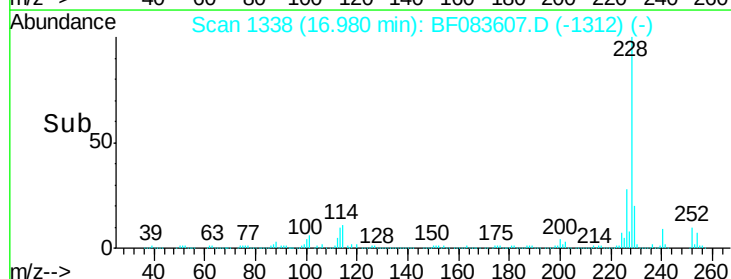
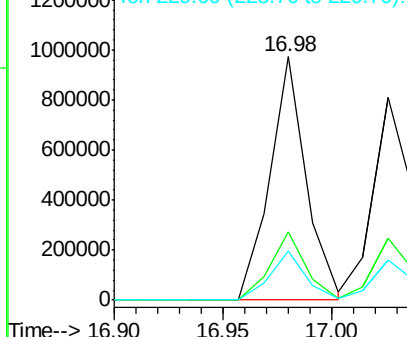
Lab File: BF083607.D

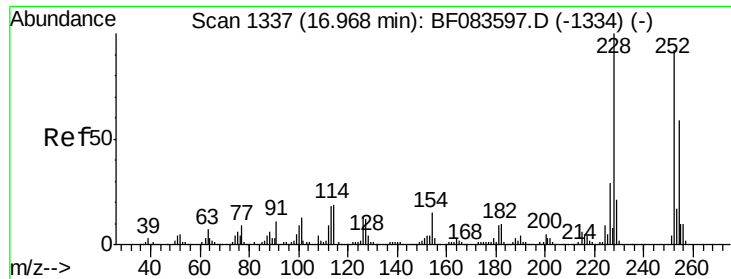
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 228     | 100  |       | 1136451 |       |       |
| 226     | 27.8 |       | 22.3    | 33.5  |       |
| 229     | 20.1 |       | 15.7    | 23.5  |       |



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





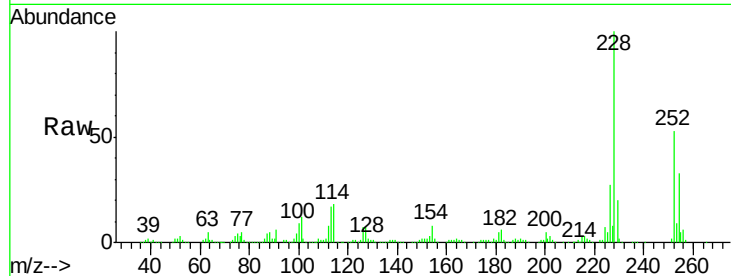
#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.33 ng  
 RT: 16.97 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB87111BS

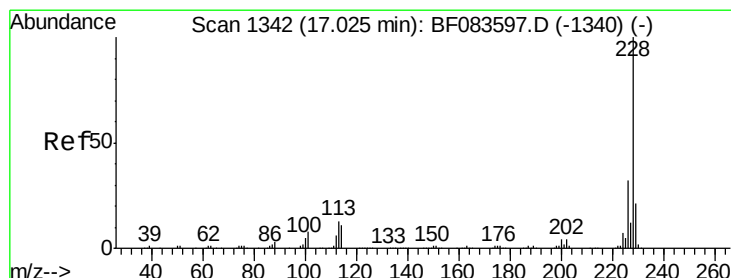
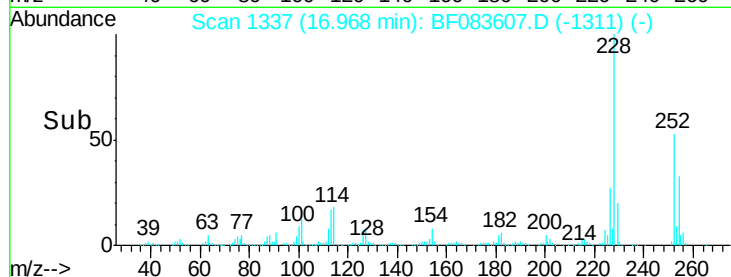
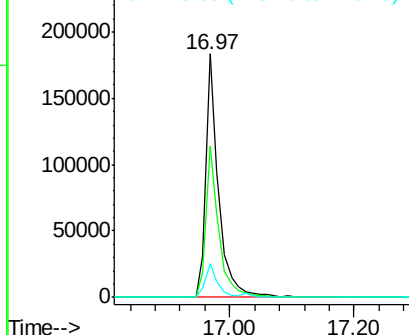
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.0  | 50.6  | 76.0  |
| 126     | 13.9  | 11.0  | 16.4  |

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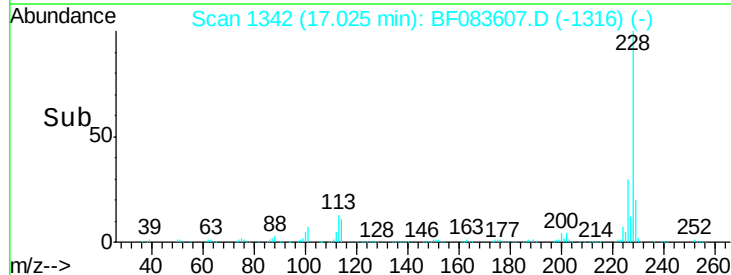
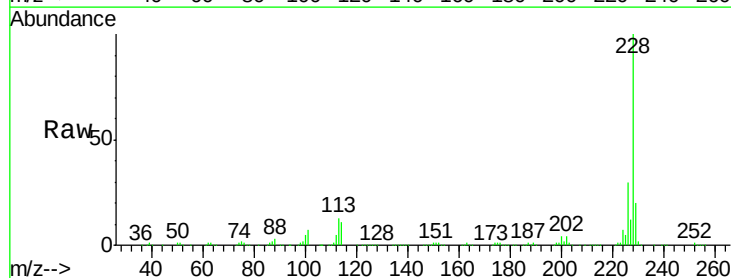
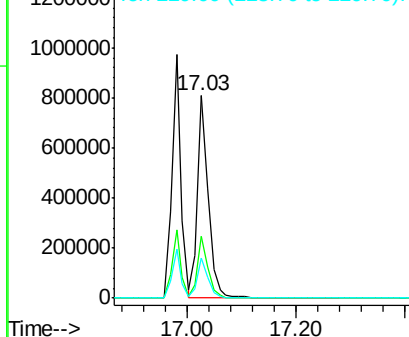
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

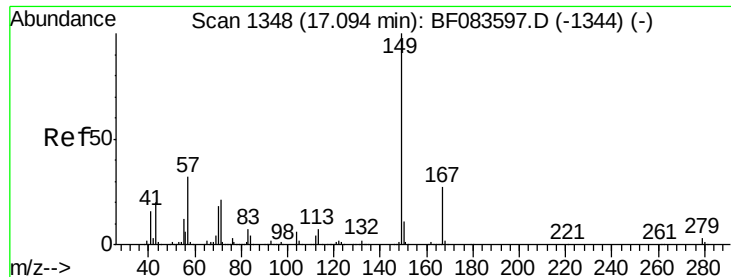


#82  
 Chrysene  
 Concen: 44.52 ng  
 RT: 17.03 min Scan# 1342  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.7  | 37.1  |
| 229     | 19.9  | 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





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.51 ng

RT: 17.09 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF083607.D

Acq: 8 Dec 2015 21:21

Instrument :

BNA\_F

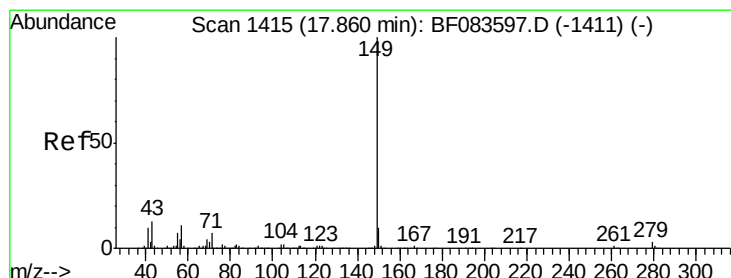
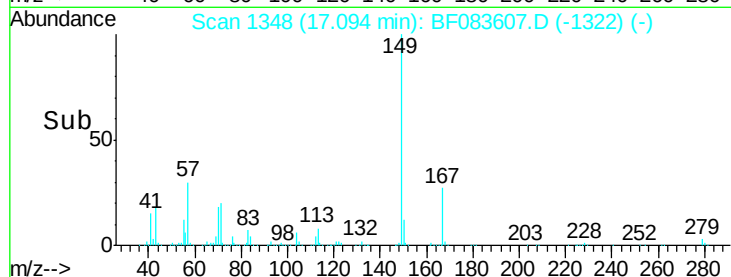
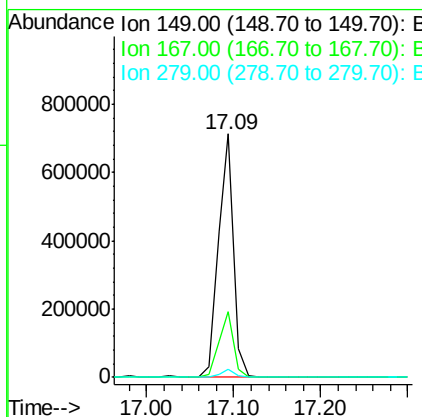
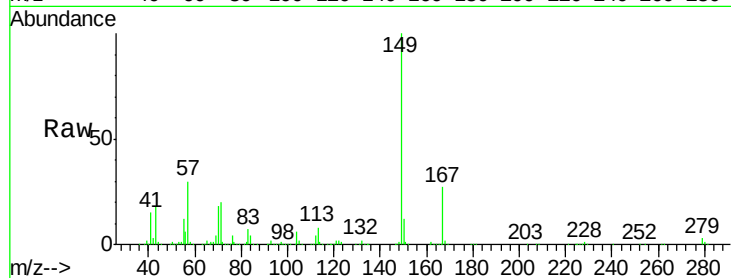
ClientSampleId :

PB87111BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 869265 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.1  | 21.8  | 32.8   |
| 279       | 3.4   | 3.0   | 4.4    |

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#84

Di-n-octyl phthalate

Concen: 48.74 ng

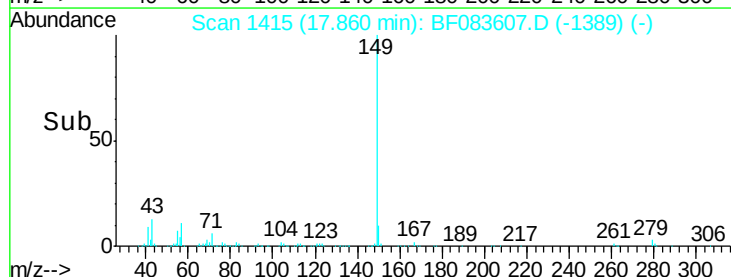
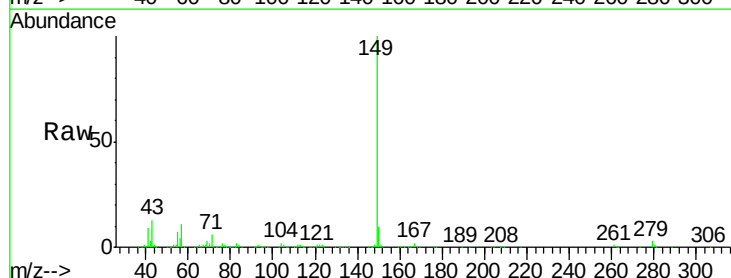
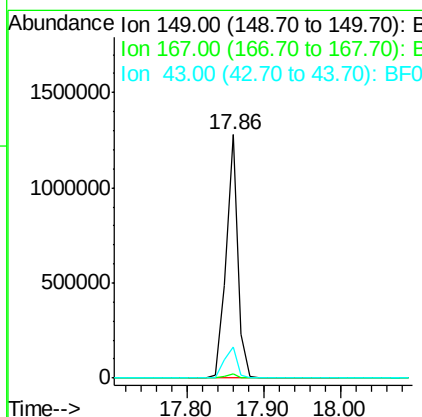
RT: 17.86 min Scan# 1415

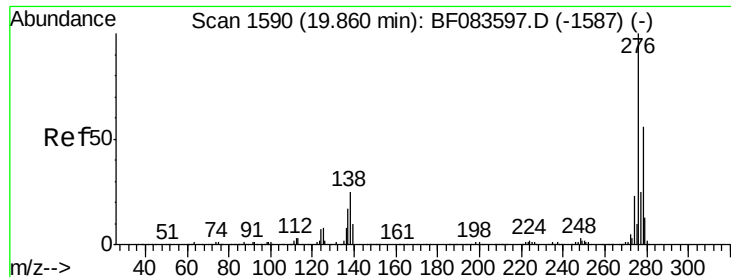
Delta R.T. 0.00 min

Lab File: BF083607.D

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|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1392183 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.6   | 0.0   | 0.0#    |
| 43        | 13.9  | 0.0   | 0.0#    |





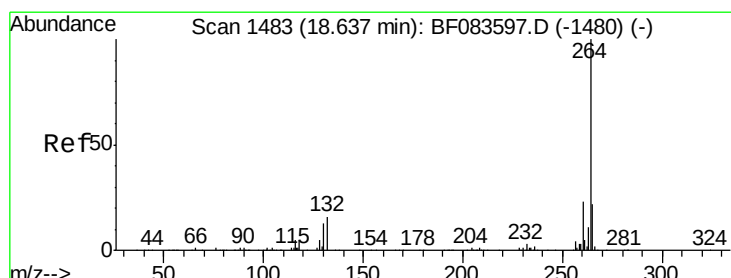
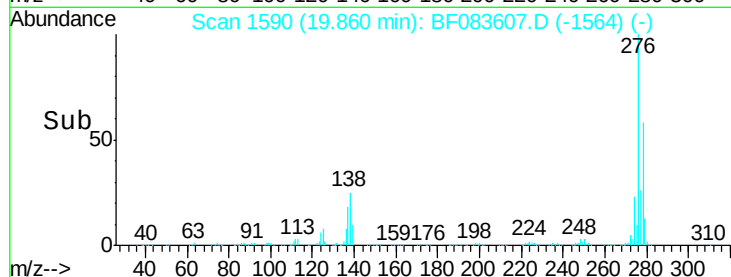
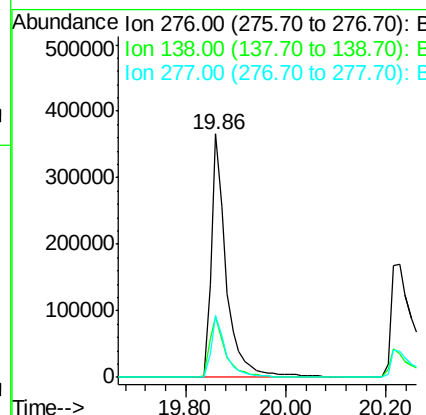
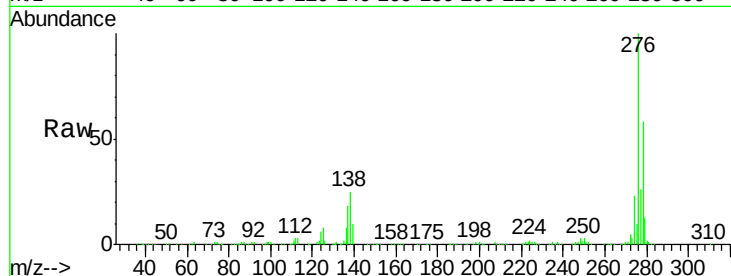
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 45.20 ng  
RT: 19.86 min Scan# 1590  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 26.8  | 0.0        | 0.0#  |
| 277     | 25.4  | 0.0        | 0.0#  |

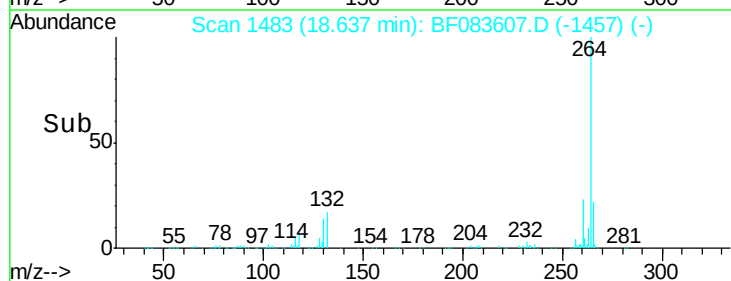
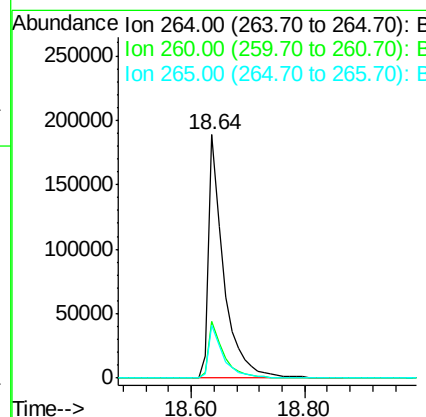
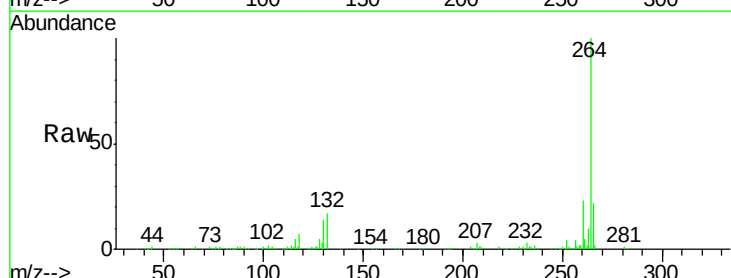
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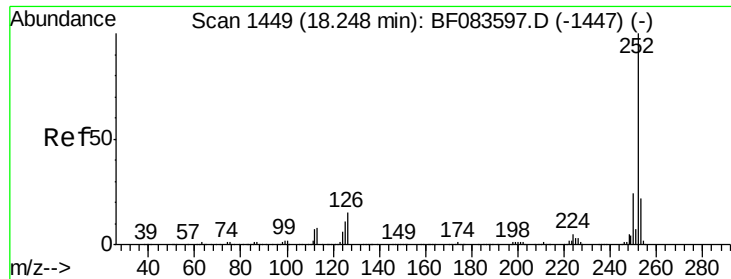
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.64 min Scan# 1483  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.3  | 19.4       | 29.0  |
| 265     | 21.7  | 17.8       | 26.6  |





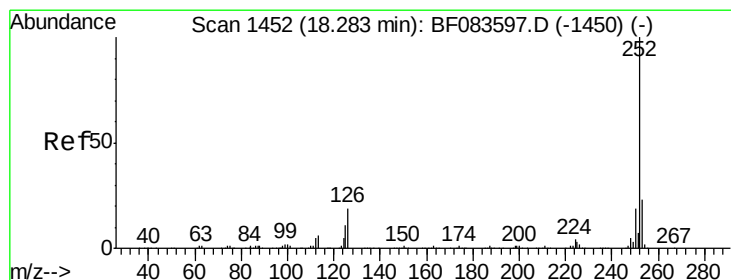
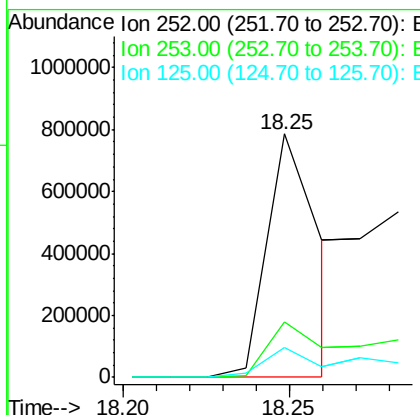
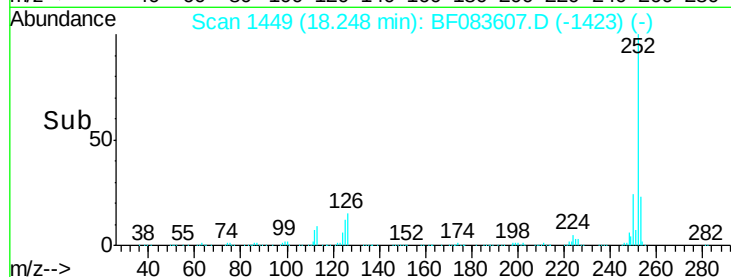
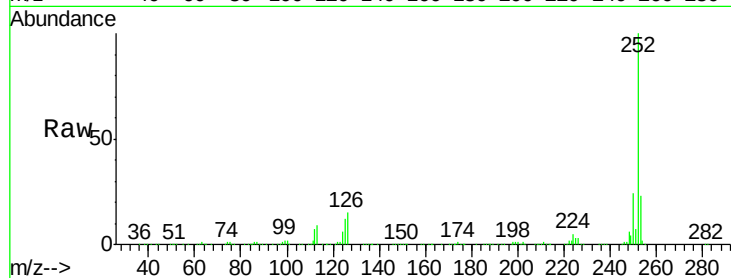
#87  
Benzo(b)fluoranthene  
Concen: 45.12 ng m  
RT: 18.25 min Scan# 1449  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.2  | 27.4  |
| 125     | 12.0  | 8.2   | 12.4  |

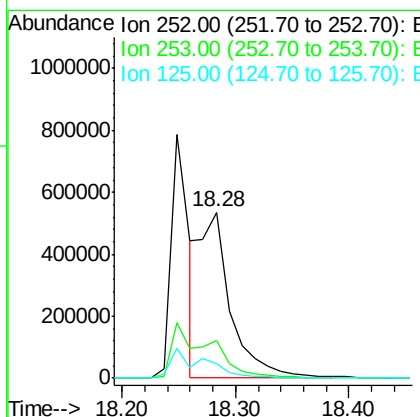
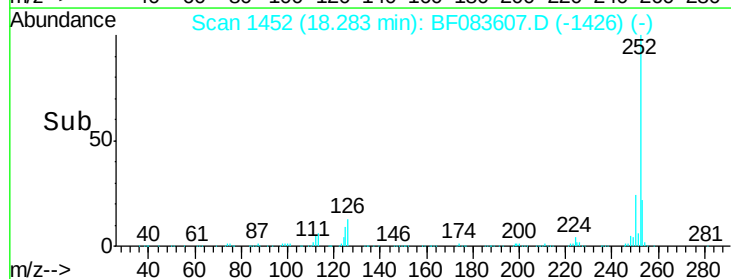
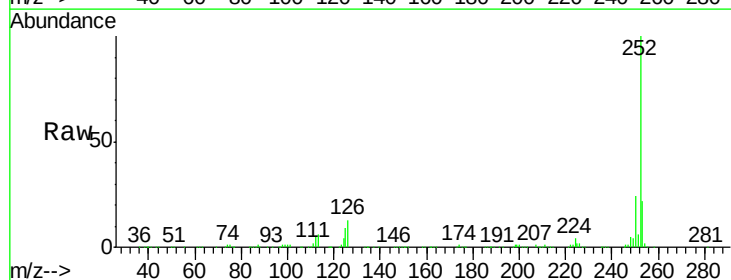
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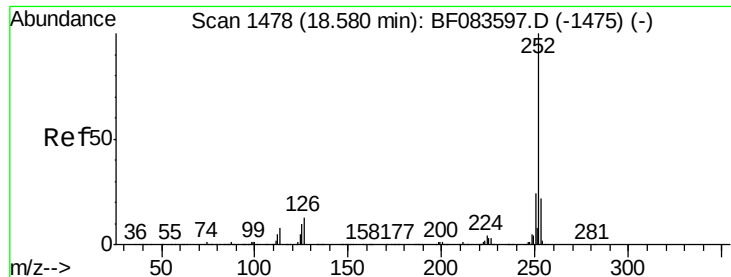


#88  
Benzo(k)fluoranthene  
Concen: 47.46 ng m  
RT: 18.28 min Scan# 1452  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.6  | 27.8  |
| 125     | 8.7   | 11.5  | 17.3# |







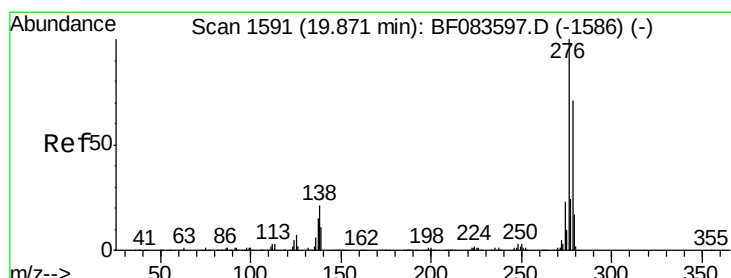
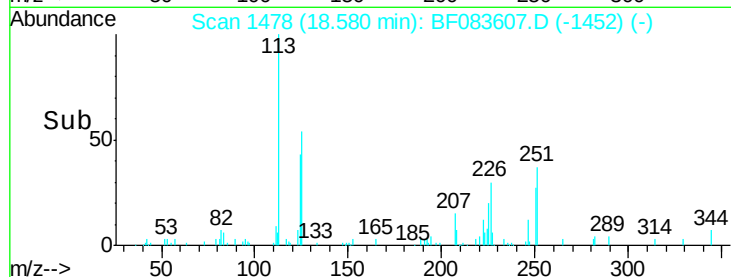
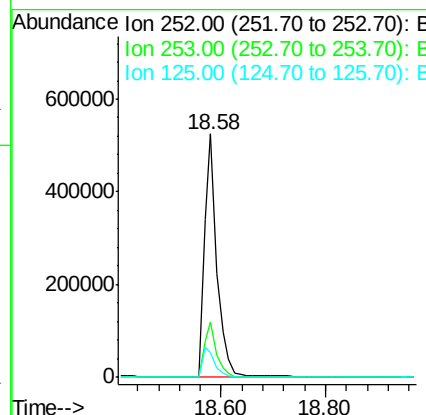
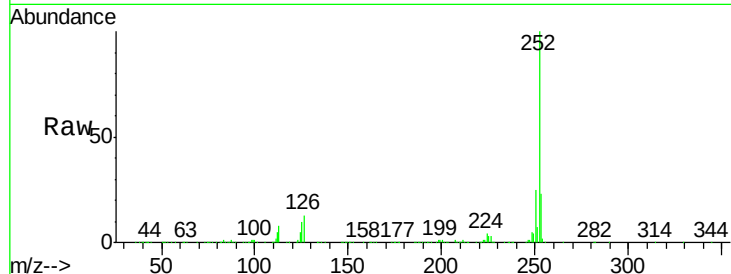
#89  
Benzo(a)pyrene  
Concen: 46.54 ng  
RT: 18.58 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87111BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.5  | 26.3  |
| 125     | 10.1  | 11.0  | 16.6  |

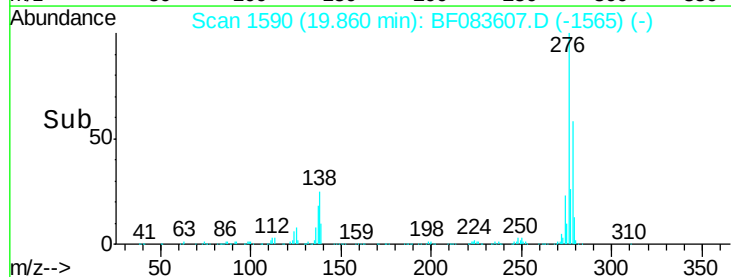
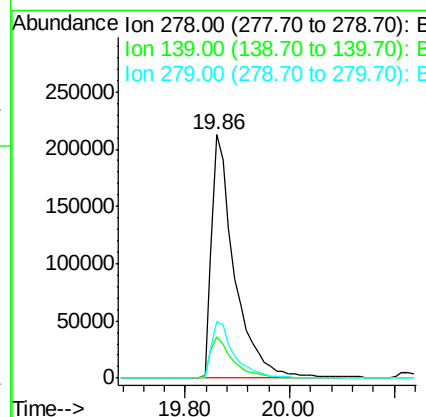
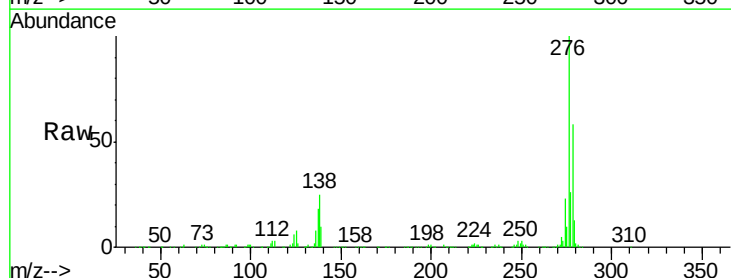
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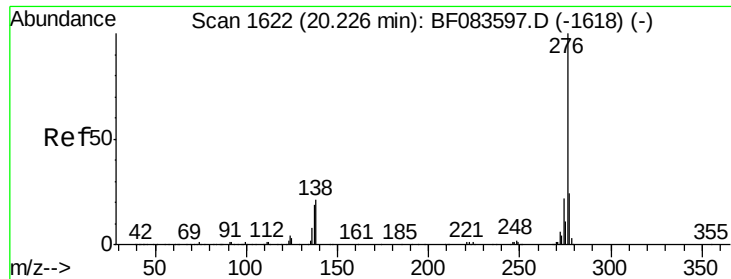
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#90  
Dibenzo(a,h)anthracene  
Concen: 45.20 ng  
RT: 19.86 min Scan# 1590  
Delta R.T. -0.01 min  
Lab File: BF083607.D  
Acq: 8 Dec 2015 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.9  | 12.8  | 19.2  |
| 279     | 23.1  | 18.6  | 28.0  |





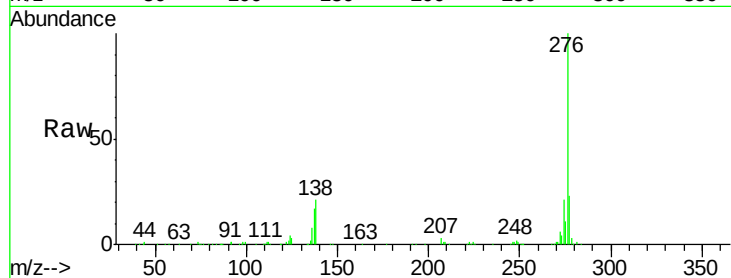
#91  
 Benzo(a,h,i)perylene  
 Concen: 43.62 ng  
 RT: 20.23 min Scan# 1622  
 Delta R.T. 0.00 min  
 Lab File: BF083607.D  
 Acq: 8 Dec 2015 21:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87111BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 608265 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 22.8 | 19.2  | 28.8   |
| 138       | 20.7 | 19.5  | 29.3   |

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

