

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030816\  
 Data File : BF085284.D  
 Acq On : 9 Mar 2016 4:39  
 Operator : UM/SJ  
 Sample : H1703-08MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

Manual Integrations  
 APPROVED

UMANGI  
 3/9/2016 3:26:55 PM

Quant Time: Mar 09 13:35:59 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 154412   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.25  | 136  | 605385   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 267916   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.49 | 188  | 458765   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.13 | 240  | 294848   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.59 | 264  | 270791   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 1261816 | 137.07 | ng | 0.00  |
| 7) Phenol-d6             | 6.60  | 99  | 1618857 | 134.23 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.52  | 82  | 1048551 | 92.68  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 338055  | 147.46 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.33  | 172 | 1555121 | 88.28  | ng | -0.02 |
| 78) Terphenyl-d14        | 13.08 | 244 | 1119750 | 88.16  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.71 | 88  | 167012  | 35.48 | ng | 99     |
| 3) Pyridine                    | 3.46 | 79  | 526134  | 44.66 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.42 | 42  | 205491  | 40.75 | ng | 97     |
| 6) Aniline                     | 6.62 | 93  | 394064  | 23.31 | ng | 99     |
| 8) 2-Chlorophenol              | 6.74 | 128 | 454525  | 41.01 | ng | 95     |
| 9) Benzaldehyde                | 6.50 | 77  | 141229  | 21.82 | ng | 99     |
| 10) Phenol                     | 6.61 | 94  | 655874m | 50.78 | ng |        |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 488095  | 45.49 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146 | 515092  | 43.29 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 499642m | 41.90 | ng |        |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 481982  | 44.55 | ng | 98     |
| 15) Benzyl Alcohol             | 7.10 | 79  | 389174  | 43.96 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 600353  | 38.82 | ng | 100    |
| 17) 2-Methylphenol             | 7.21 | 107 | 406910  | 45.00 | ng | 98     |
| 18) Hexachloroethane           | 7.48 | 117 | 182465  | 41.48 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 316433  | 40.26 | ng | # 90   |
| 20) 3+4-Methylphenols          | 7.36 | 107 | 481773  | 44.98 | ng | 95     |
| 22) Acetophenone               | 7.37 | 105 | 635453  | 43.00 | ng | # 99   |
| 24) Nitrobenzene               | 7.54 | 77  | 511019  | 44.47 | ng | 99     |
| 25) Isophorone                 | 7.78 | 82  | 939729  | 44.82 | ng | 98     |
| 26) 2-Nitrophenol              | 7.86 | 139 | 274142  | 49.02 | ng | # 91   |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 488981  | 47.84 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93  | 542361  | 46.45 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.10 | 162 | 406456  | 49.31 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 394518  | 44.27 | ng | 99     |
| 31) Naphthalene                | 8.26 | 128 | 1337074 | 44.92 | ng | 99     |
| 32) Benzoic acid               | 7.96 | 122 | 27267   | 4.02  | ng | 90     |
| 33) 4-Chloroaniline            | 8.31 | 127 | 143503  | 11.92 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 217368  | 46.88 | ng | 99     |
| 35) Caprolactam                | 8.69 | 113 | 132521m | 49.23 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 450288  | 48.15 | ng | 90     |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 888302  | 46.50 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 360904  | 47.10 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.12 | 237 | 312763  | 75.68 | ng | 97     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.24  | 196  | 263522   | 46.20 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.28  | 196  | 282789   | 52.29 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.43  | 154  | 1059741  | 46.30 | ng    | 94       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 805872   | 46.19 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.54  | 65   | 267857   | 49.54 | ng    | 86       |
| 48) Acenaphthylene             | 9.86  | 152  | 1164333  | 42.88 | ng    | 98       |
| 49) Dimethylphthalate          | 9.73  | 163  | 1144976  | 55.68 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.78  | 165  | 188522   | 42.85 | ng    | # 87     |
| 51) Acenaphthene               | 10.04 | 154  | 800585   | 48.56 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.96  | 138  | 161214   | 30.63 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 10.06 | 184  | 84242    | 41.98 | ng    | # 44     |
| 54) Dibenzofuran               | 10.21 | 168  | 1025201  | 47.46 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.12 | 139  | 393459   | 95.13 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 10.18 | 165  | 277823   | 49.35 | ng    | # 86     |
| 57) Fluorene                   | 10.55 | 166  | 825814   | 48.67 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.32 | 232  | 191703   | 50.46 | ng    | 97       |
| 59) Diethylphthalate           | 10.42 | 149  | 910689   | 45.64 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 363205   | 43.99 | ng    | # 88     |
| 61) 4-Nitroaniline             | 10.57 | 138  | 213592   | 43.39 | ng    | 80       |
| 62) Azobenzene                 | 10.70 | 77   | 915372   | 46.56 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 95419    | 34.74 | ng    | 77       |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 755910   | 52.98 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.03 | 248  | 210844   | 47.33 | ng    | # 86     |
| 67) Hexachlorobenzene          | 11.10 | 284  | 227432   | 47.86 | ng    | # 82     |
| 68) Atrazine                   | 11.19 | 200  | 254400   | 64.11 | ng    | 97       |
| 69) Pentachlorophenol          | 11.29 | 266  | 241908   | 91.71 | ng    | 99       |
| 70) Phenanthrene               | 11.52 | 178  | 2120479  | 88.20 | ng    | 100      |
| 71) Anthracene                 | 11.57 | 178  | 1230722  | 48.22 | ng    | 99       |
| 72) Carbazole                  | 11.72 | 167  | 933570   | 41.71 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.05 | 149  | 1241650  | 43.89 | ng    | 99       |
| 74) Fluoranthene               | 12.71 | 202  | 1903564  | 78.89 | ng    | 95       |
| 76) Benzidine                  | 12.82 | 184  | 451412   | 51.44 | ng    | 98       |
| 77) Pyrene                     | 12.94 | 202  | 1882037  | 84.81 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.54 | 149  | 467775   | 46.45 | ng    | # 80     |
| 80) Benzo(a)anthracene         | 14.12 | 228  | 1063128  | 60.23 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.07 | 252  | 126499   | 22.72 | ng    | 98       |
| 82) Chrysene                   | 14.15 | 228  | 763079   | 46.80 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149  | 596136   | 44.99 | ng    | # 95     |
| 84) Di-n-octyl phthalate       | 14.71 | 149  | 938686   | 46.51 | ng    | # 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.07 | 276  | 928638   | 72.98 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 15.17 | 252  | 985486m  | 54.60 | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.19 | 252  | 683373m  | 46.94 | ng    |          |
| 89) Benzo(a)pyrene             | 15.53 | 252  | 867672   | 58.01 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 17.08 | 278  | 709459   | 55.57 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.51 | 276  | 796148   | 62.02 | ng    | 99       |

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

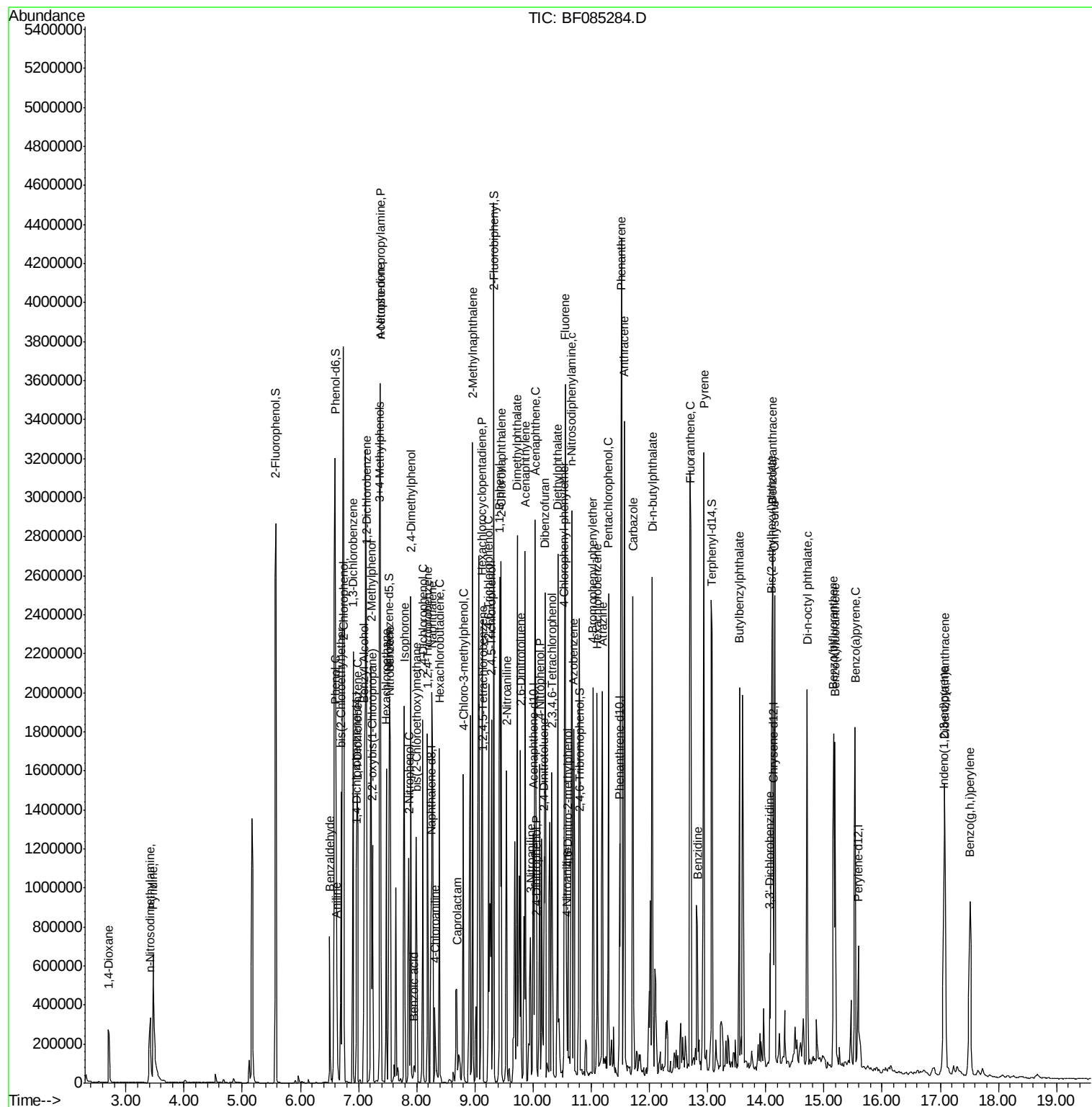
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030816\  
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Misc :  
ALS Vial : 29 Sample Multiplier: 1

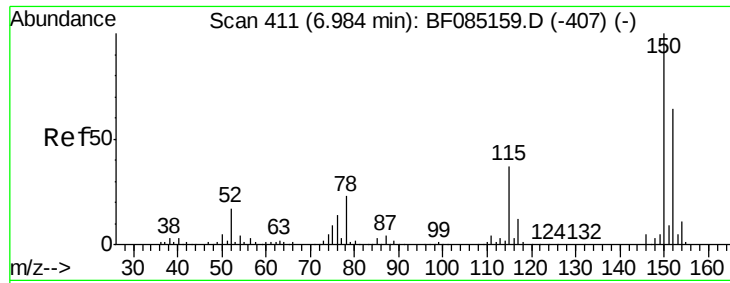
Instrument :  
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ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

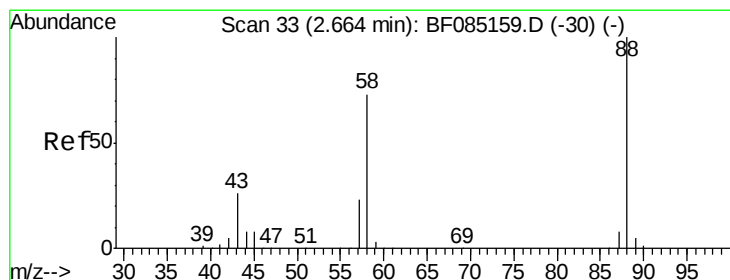
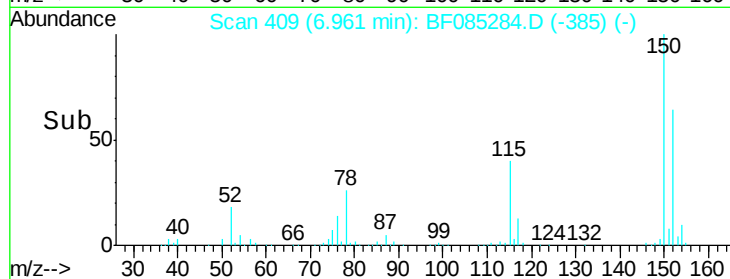
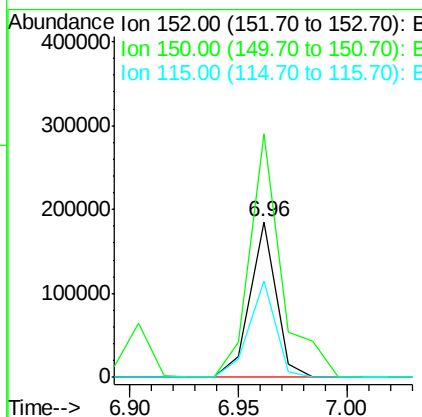
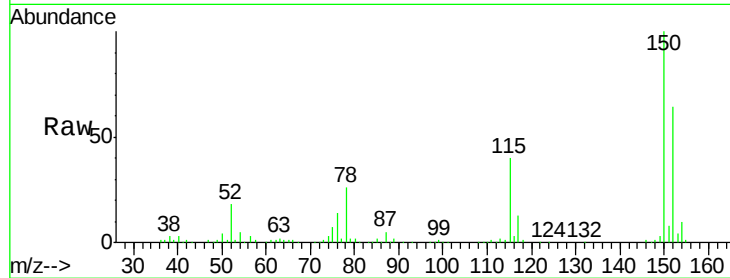
SB-41COMP(0.5-5.0)MSD

Manual Integrations  
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 154412 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 156.6 | 124.6 | 186.8  |
| 115       | 62.0  | 46.6  | 70.0   |



#2

1,4-Dioxane

Concen: 35.48 ng

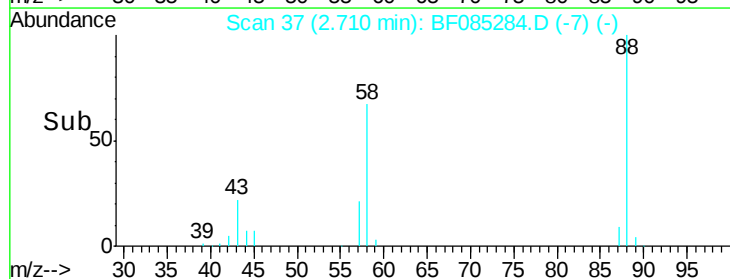
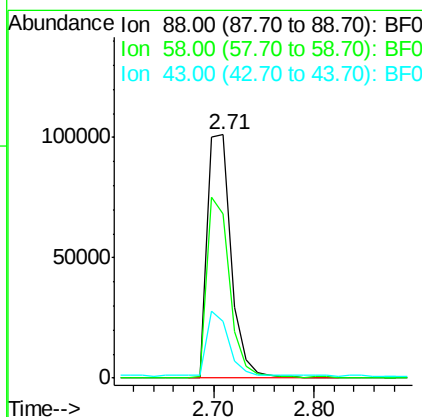
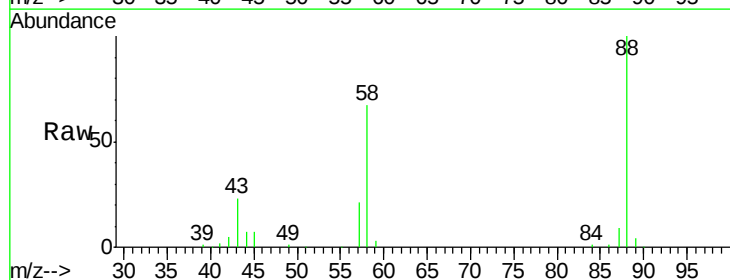
RT: 2.71 min Scan# 37

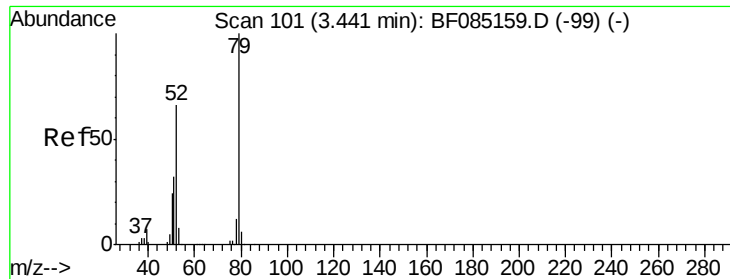
Delta R.T. 0.05 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 167012 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 71.6  | 57.0  | 85.6   |
| 43        | 24.8  | 20.5  | 30.7   |





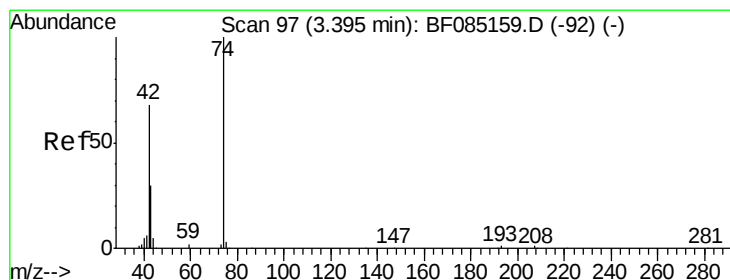
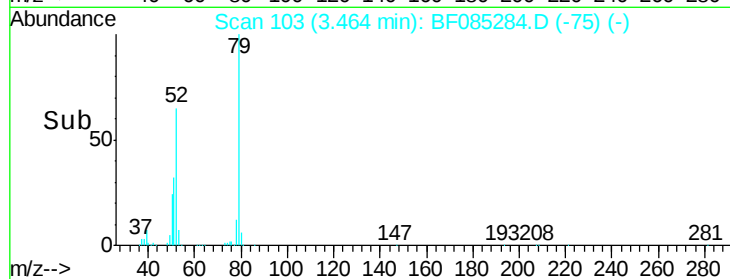
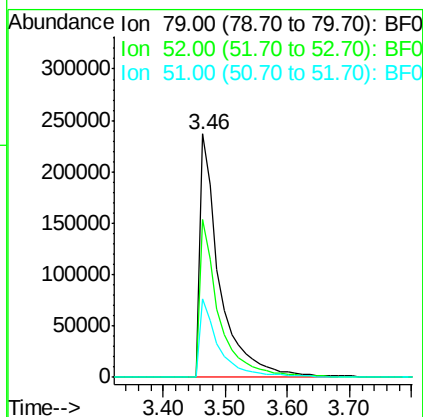
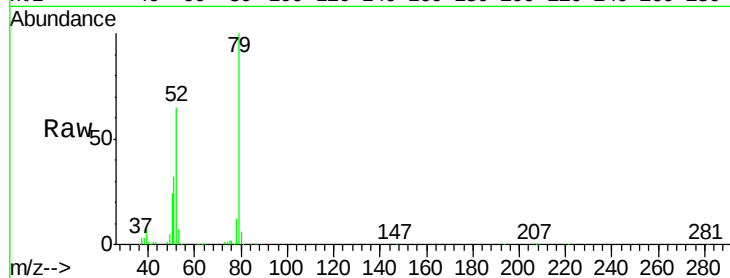
#3  
 Pyridine  
 Concen: 44.66 ng  
 RT: 3.46 min Scan# 103  
 Delta R.T. 0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
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 ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 64.7  | 52.6  | 79.0  |
| 51      | 32.4  | 25.8  | 38.8  |

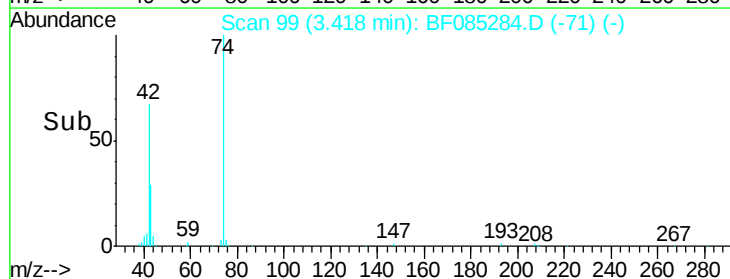
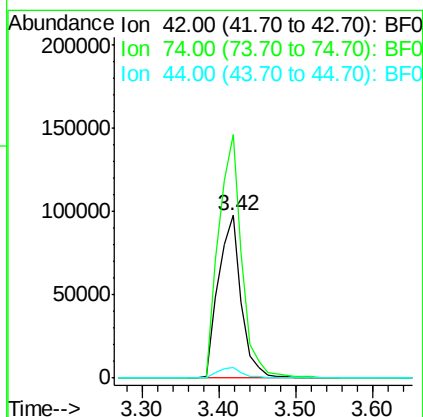
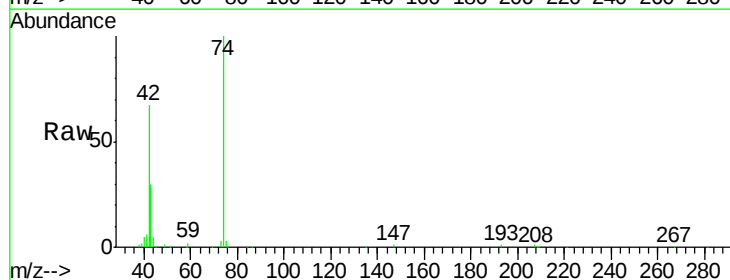
Manual Integrations  
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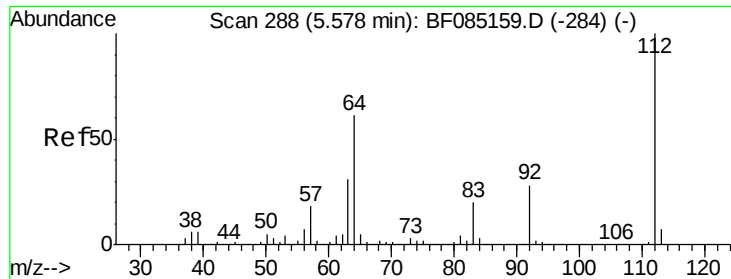
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#4  
 n-Nitrosodimethylamine  
 Concen: 40.75 ng  
 RT: 3.42 min Scan# 99  
 Delta R.T. 0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 149.8 | 116.8 | 175.2 |
| 44      | 6.9   | 5.5   | 8.3   |





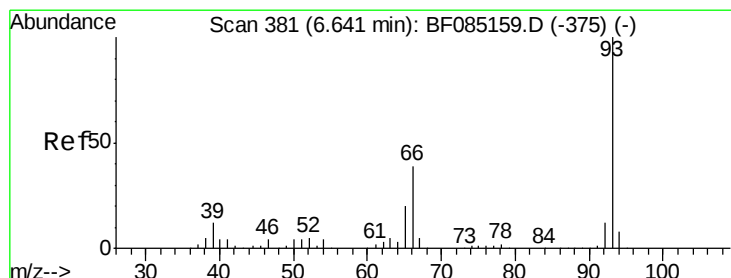
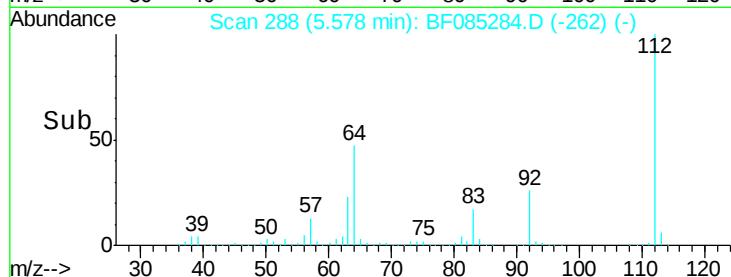
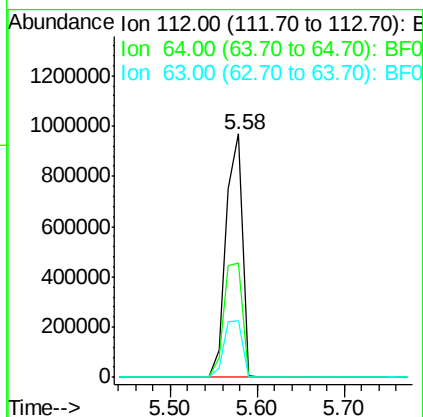
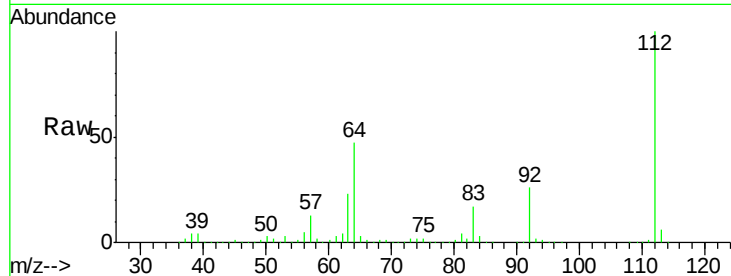
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 2-Fluorophenol  
 Concen: 137.07 ng  
 RT: 5.58 min Scan# 288  
 Delta R.T. 0.00 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

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Tgt Ion: 112 Resp: 1261816  
 Ion Ratio Lower Upper  
 112 100  
 64 46.8 49.0 73.4#  
 63 23.2 24.8 37.2#

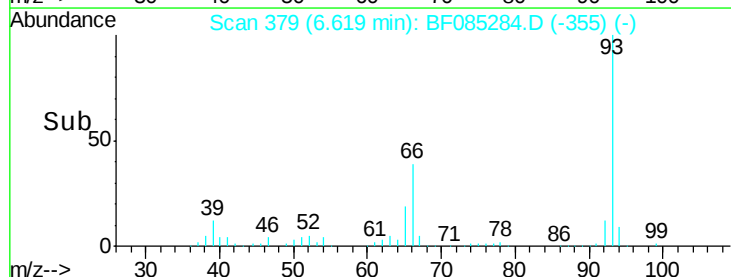
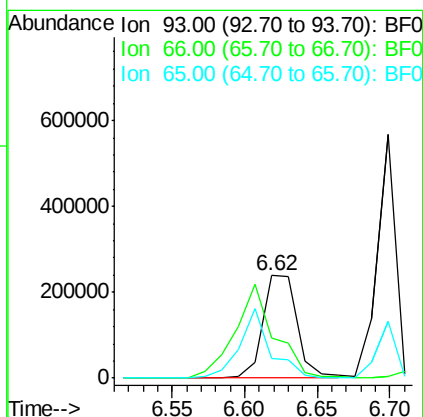
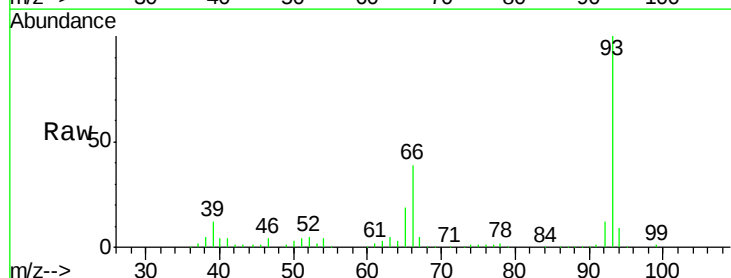
Manual Integrations  
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#6  
 Aniline  
 Concen: 23.31 ng  
 RT: 6.62 min Scan# 379  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Tgt Ion: 93 Resp: 394064  
 Ion Ratio Lower Upper  
 93 100  
 66 39.5 31.6 47.4  
 65 18.7 15.8 23.8





#7

Phenol-d6

Concen: 134.23 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085284.D

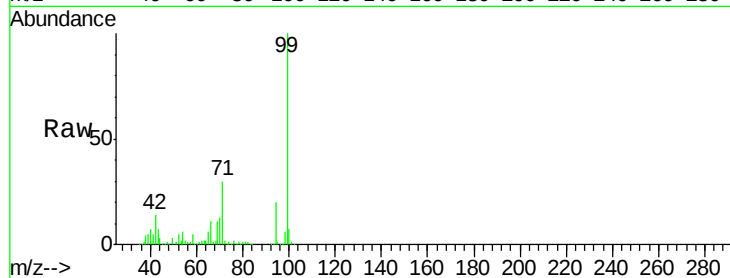
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

SB-41COMP(0.5-5.0)MSD



Tgt Ion: 99 Resp: 1618857

Ion Ratio Lower Upper

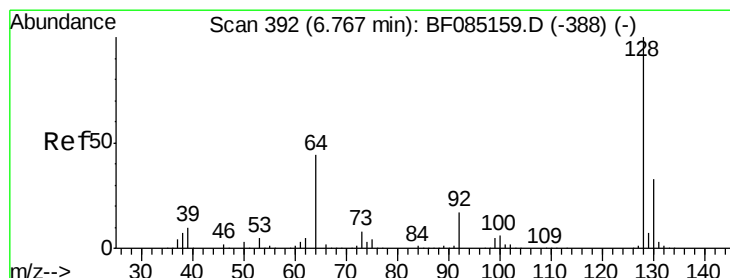
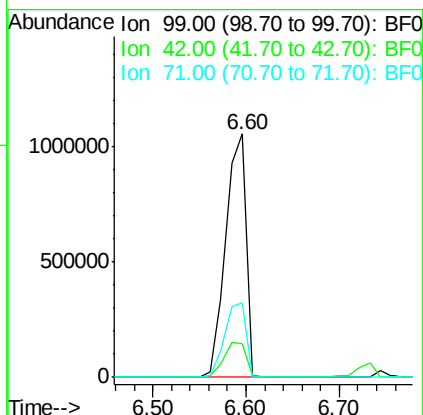
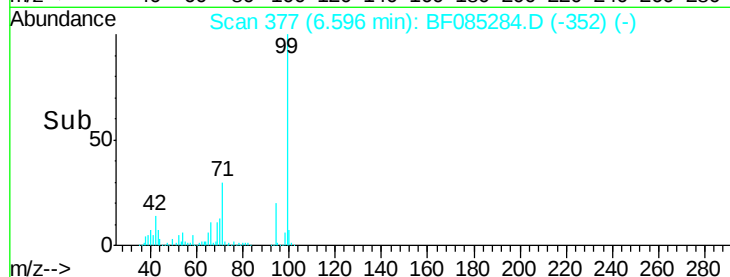
99 100

42 13.7 13.6 20.4

71 30.4 26.7 40.1

Manual Integrations  
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#8

2-Chlorophenol

Concen: 41.01 ng

RT: 6.74 min Scan# 390

Delta R.T. -0.02 min

Lab File: BF085284.D

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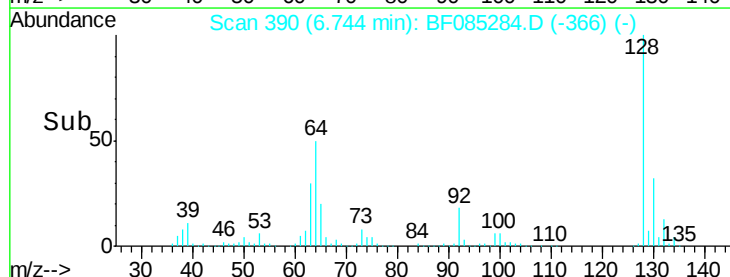
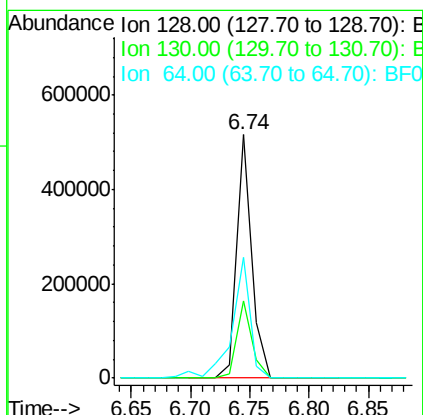
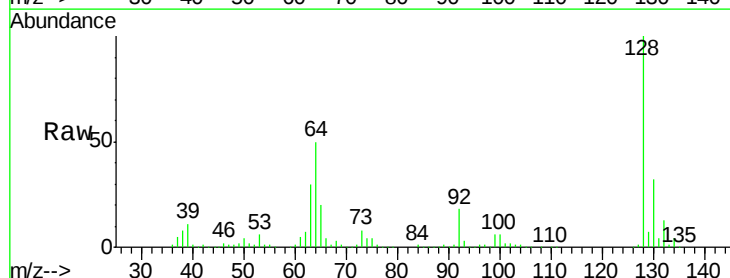
Tgt Ion: 128 Resp: 454525

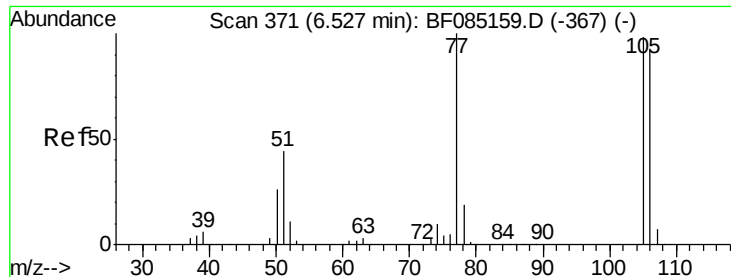
Ion Ratio Lower Upper

128 100

130 31.7 13.3 53.3

64 49.8 25.7 65.7





#9

Benzaldehyde

Concen: 21.82 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF085284.D

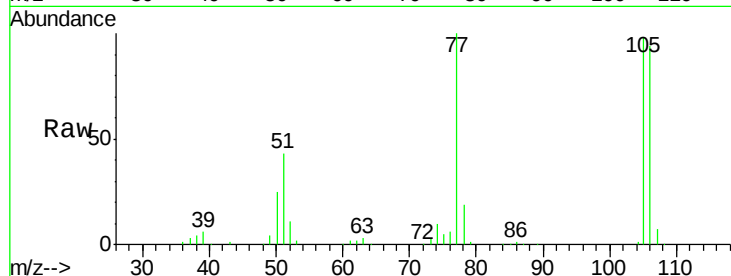
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

SB-41COMP(0.5-5.0)MSD



Tgt Ion: 77 Resp: 141229

Ion Ratio Lower Upper

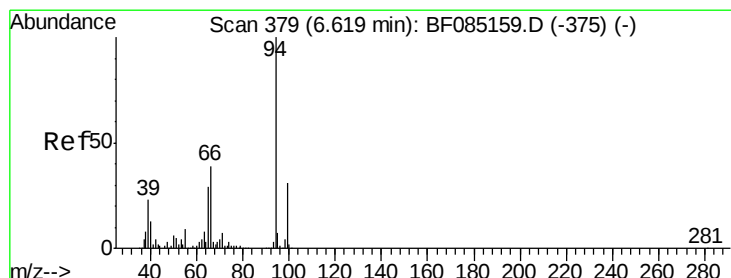
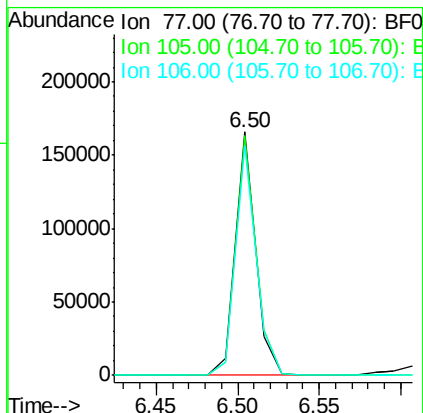
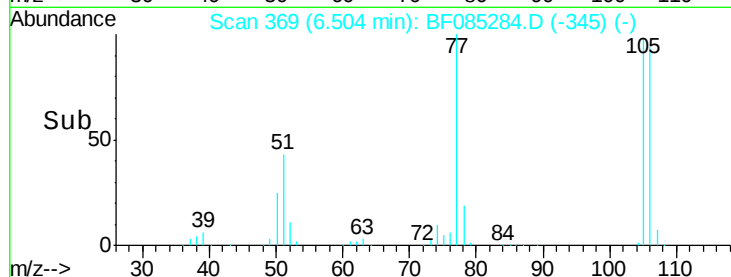
77 100

105 98.4 78.2 118.2

106 94.1 72.9 112.9

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#10

Phenol

Concen: 50.78 ng m

RT: 6.61 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

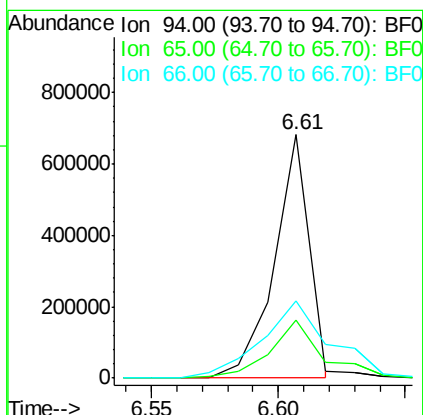
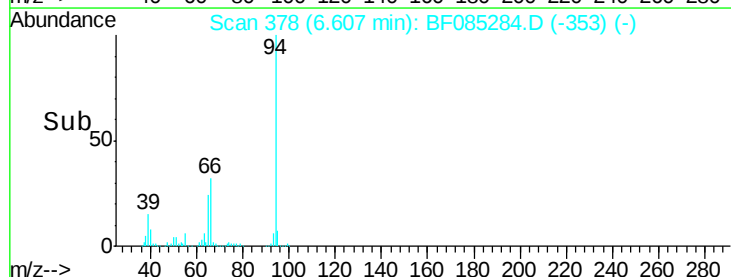
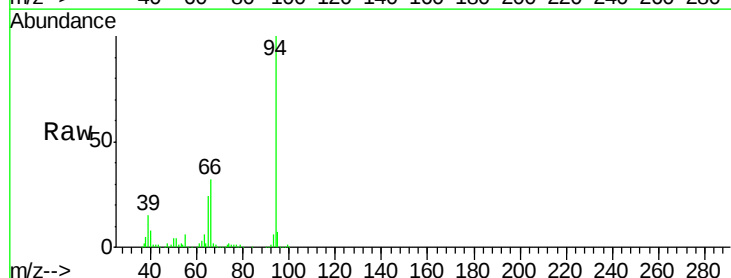
Tgt Ion: 94 Resp: 655874

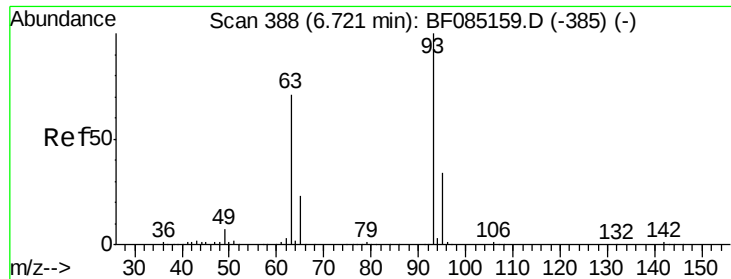
Ion Ratio Lower Upper

94 100

65 23.6 9.1 49.1

66 31.8 19.3 59.3





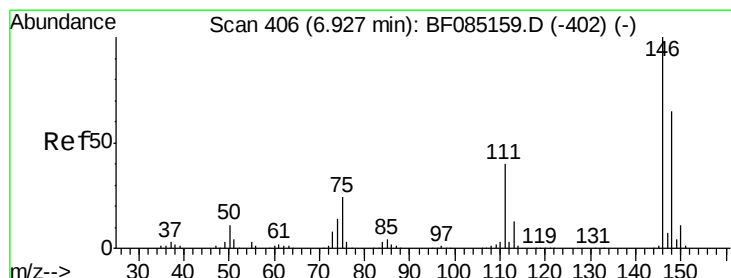
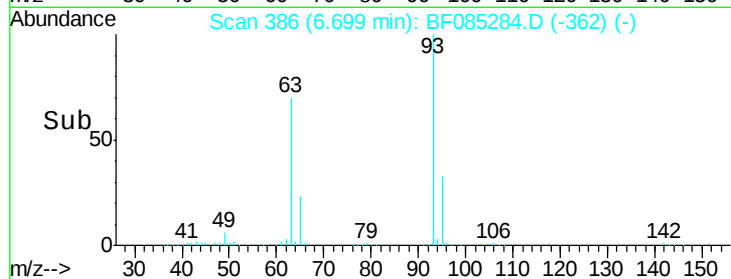
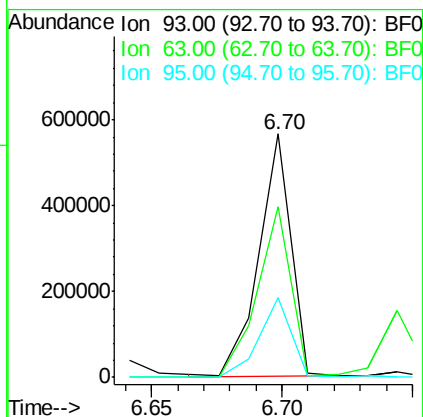
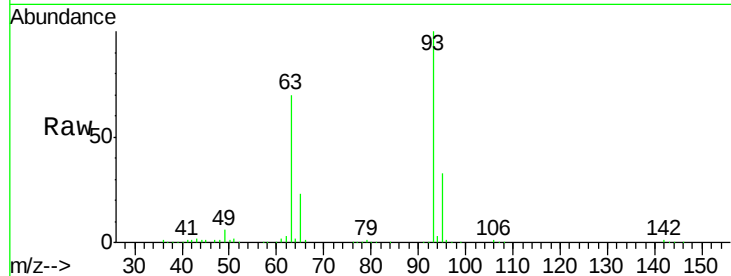
#11  
bis(2-Chloroethyl)ether  
Concen: 45.49 ng  
RT: 6.70 min Scan# 386  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 63      | 69.8  | 50.9       | 90.9  |
| 95      | 33.0  | 13.7       | 53.7  |

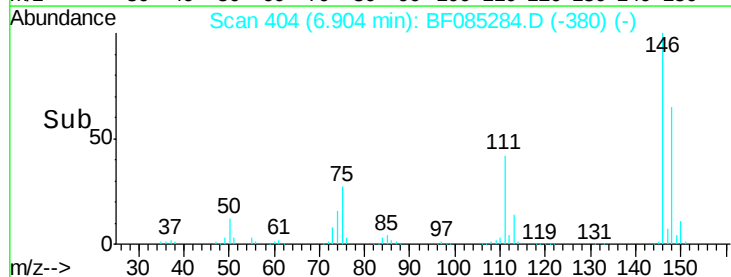
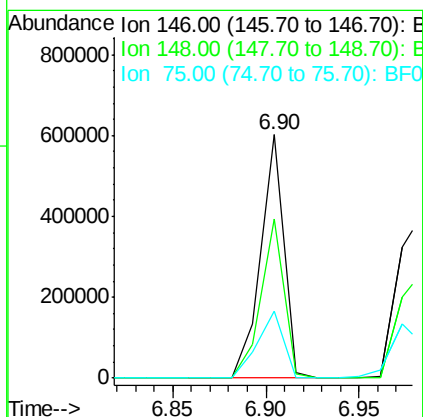
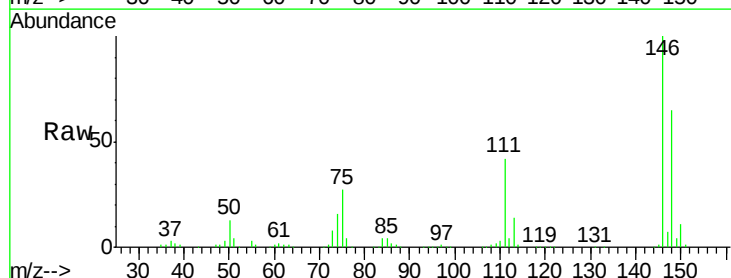
Manual Integrations  
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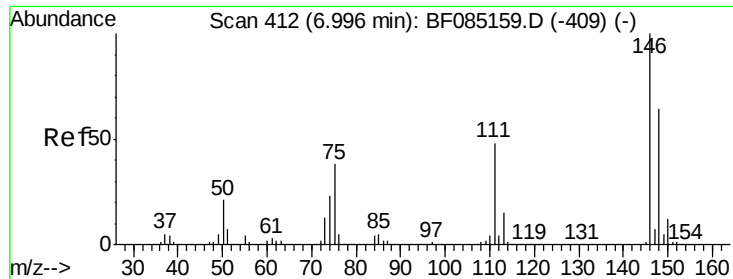
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#12  
1,3-Dichlorobenzene  
Concen: 43.29 ng  
RT: 6.90 min Scan# 404  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 146     | 100   |            |       |
| 148     | 65.3  | 52.1       | 78.1  |
| 75      | 27.4  | 19.5       | 29.3  |





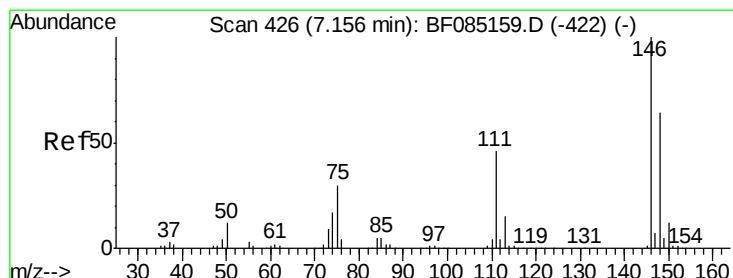
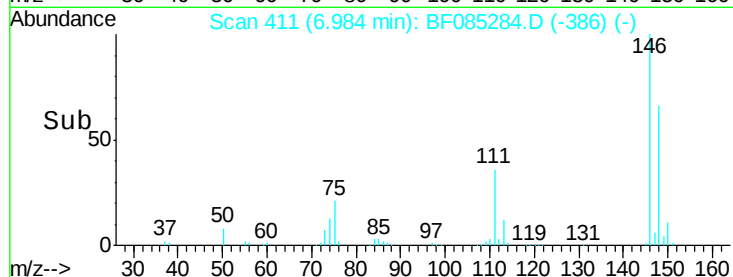
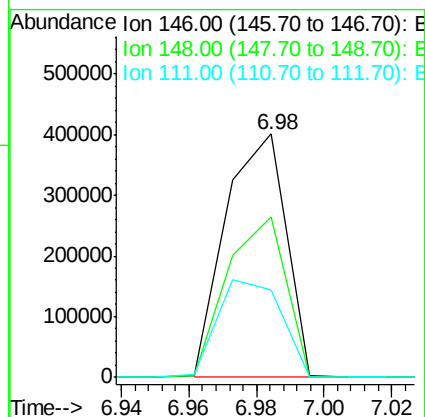
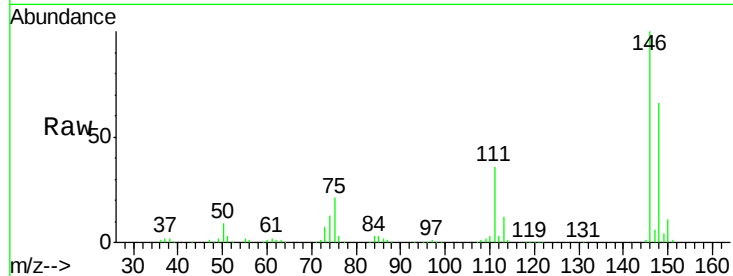
#13  
 1,4-Dichlorobenzene  
 Concen: 41.90 ng m  
 RT: 6.98 min Scan# 411  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

Tgt Ion:146 Resp: 499642  
 Ion Ratio Lower Upper  
 146 100  
 148 66.0 51.3 76.9  
 111 36.0 38.4 57.6#

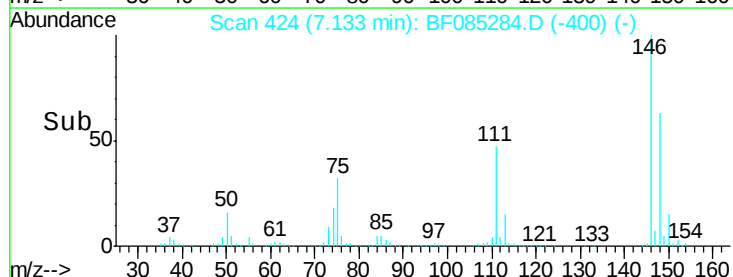
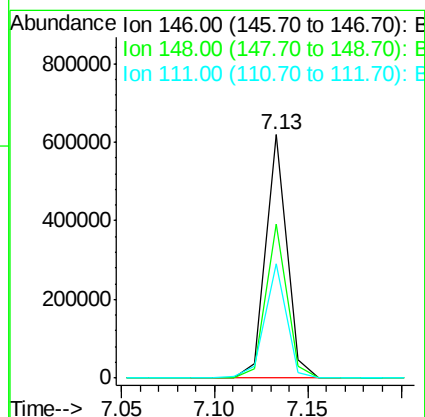
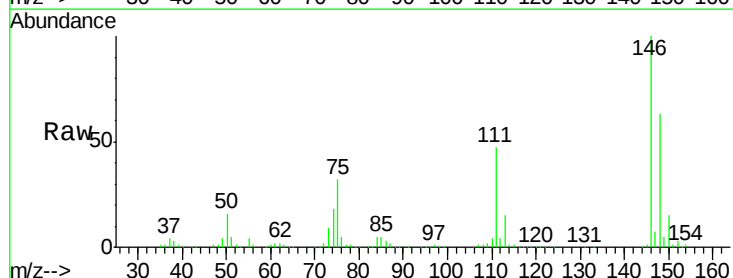
Manual Integrations  
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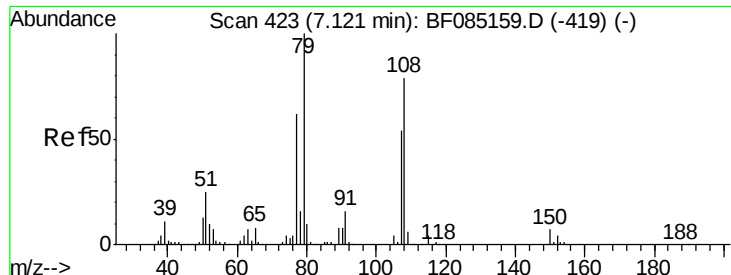
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#14  
 1,2-Dichlorobenzene  
 Concen: 44.55 ng  
 RT: 7.13 min Scan# 424  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Tgt Ion:146 Resp: 481982  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 51.4 77.2  
 111 46.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 43.96 ng

RT: 7.10 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

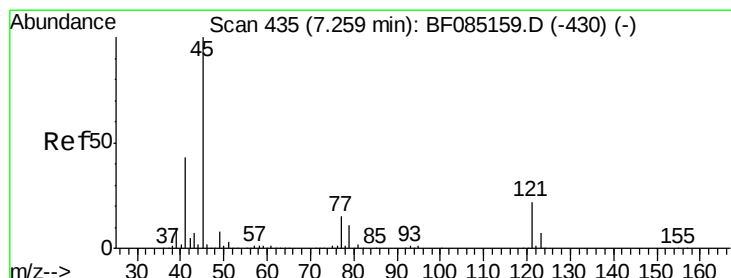
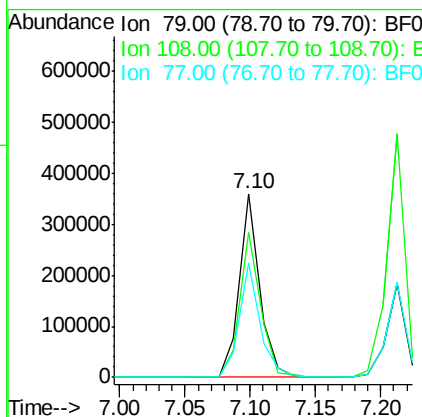
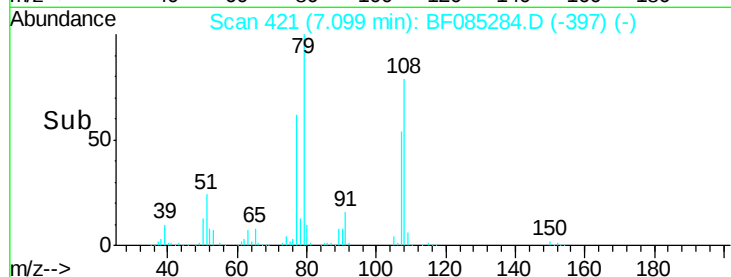
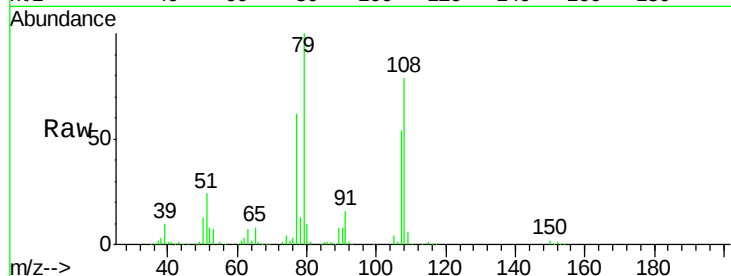
ClientSampleId :

SB-41COMP(0.5-5.0)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 389174 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 78.5  | 62.9  | 94.3   |
| 77        | 62.1  | 49.5  | 74.3   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.82 ng

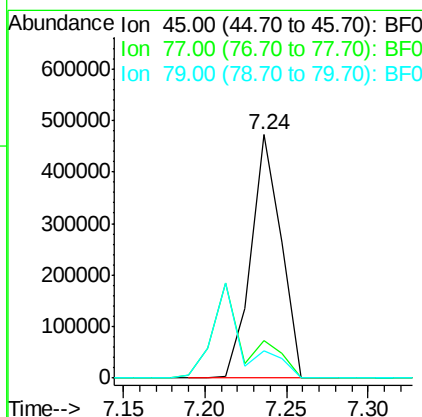
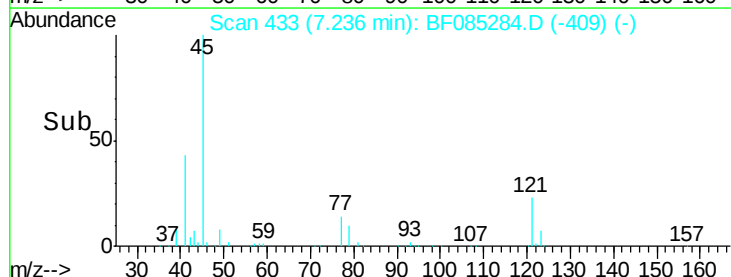
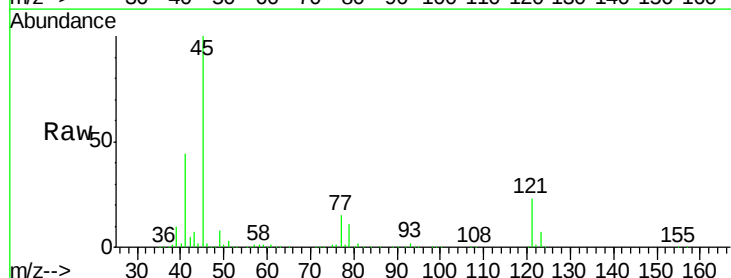
RT: 7.24 min Scan# 433

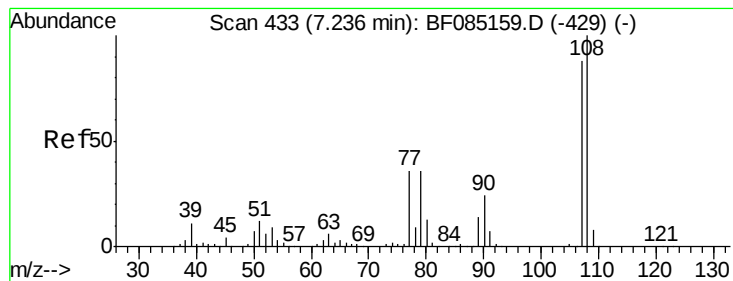
Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 600353 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 15.3  | 0.0   | 35.1   |
| 79        | 11.4  | 0.0   | 31.3   |





#17

2-Methylphenol

Concen: 45.00 ng

RT: 7.21 min Scan# 431

Delta R.T. -0.02 min

Lab File: BF085284.D

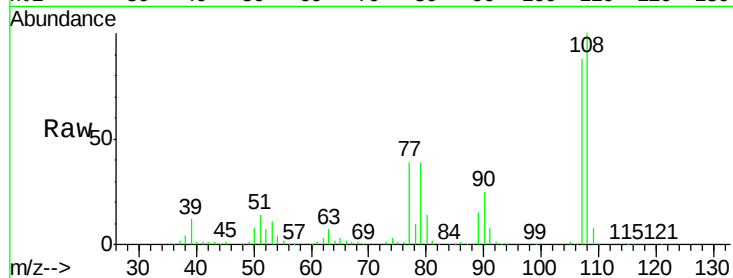
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

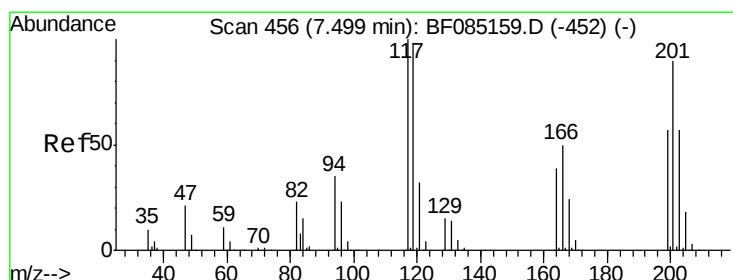
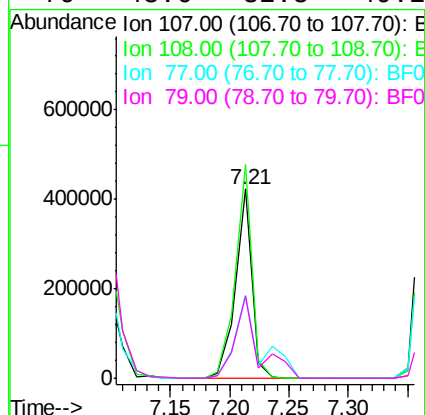
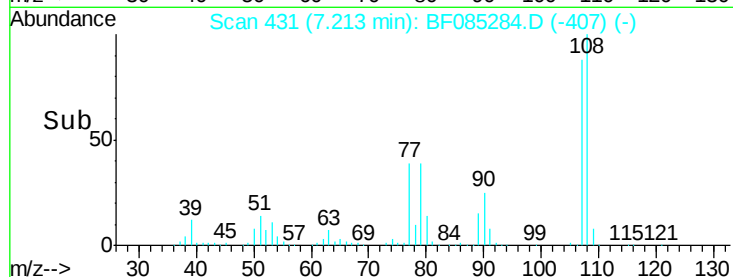
SB-41COMP(0.5-5.0)MSD



| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 107   | 100   | 406910 |       |       |
| 108     | 113.1 | 90.9  | 136.3  |       |       |
| 77      | 44.0  | 32.6  | 48.8   |       |       |
| 79      | 43.6  | 32.8  | 49.2   |       |       |

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#18

Hexachloroethane

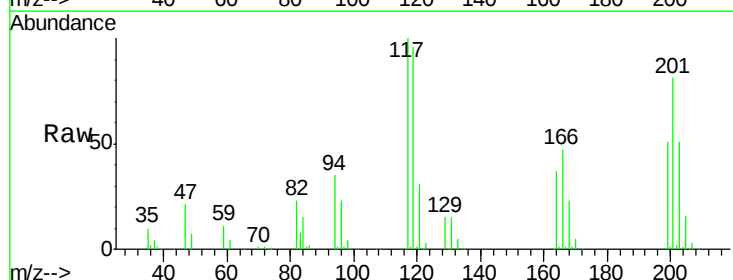
Concen: 41.48 ng

RT: 7.48 min Scan# 454

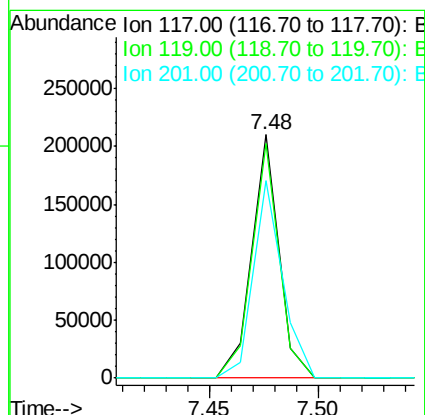
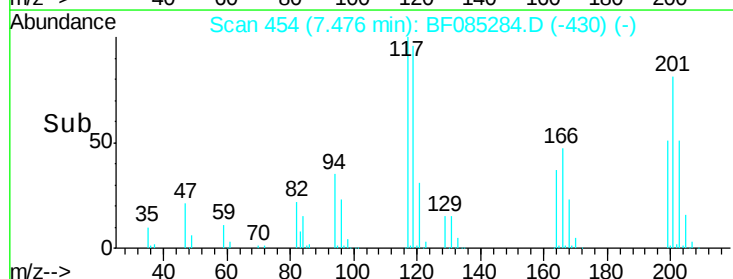
Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39



| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 117     | 117  | 100   | 182465 |       |       |
| 119     | 96.5 | 78.2  | 117.4  |       |       |
| 201     | 81.1 | 72.0  | 108.0  |       |       |





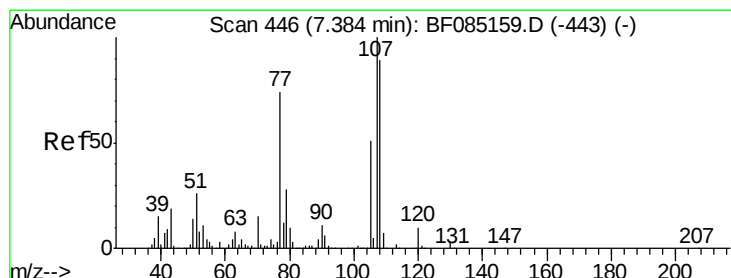
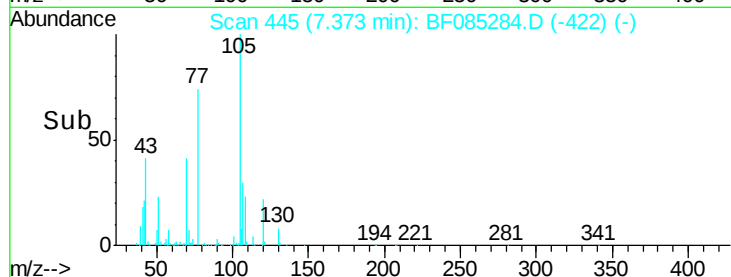
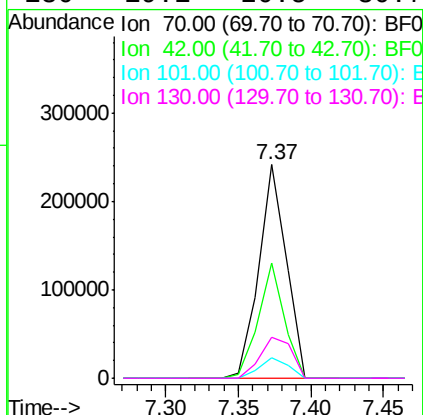
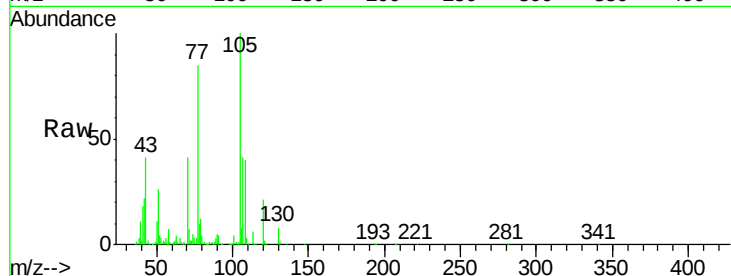
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.26 ng  
RT: 7.37 min Scan# 445  
Delta R.T. -0.03 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.7  | 37.7  | 56.5  |
| 101     | 9.4   | 8.2   | 12.4  |
| 130     | 19.1  | 20.5  | 30.7# |

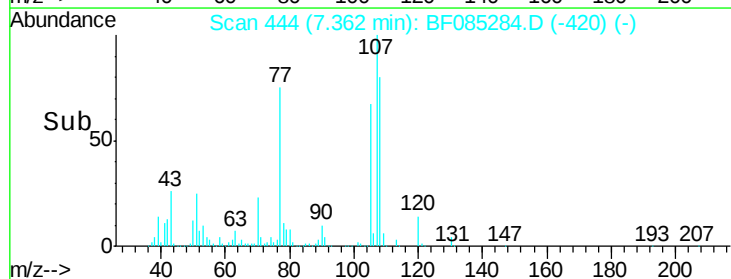
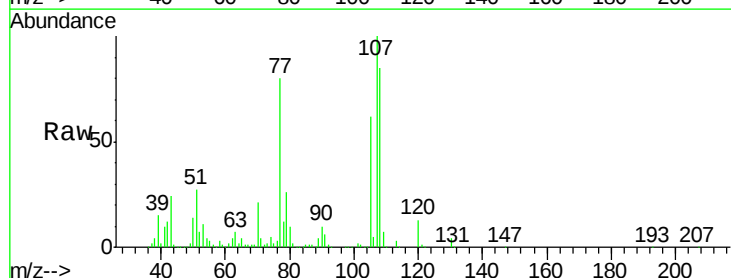
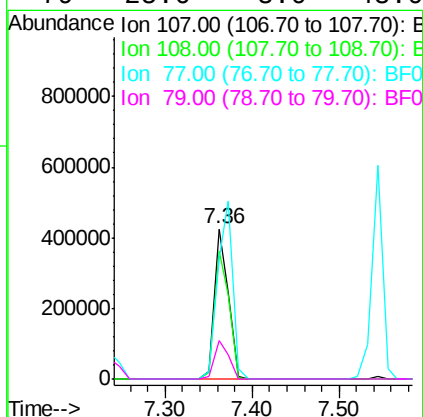
Manual Integrations  
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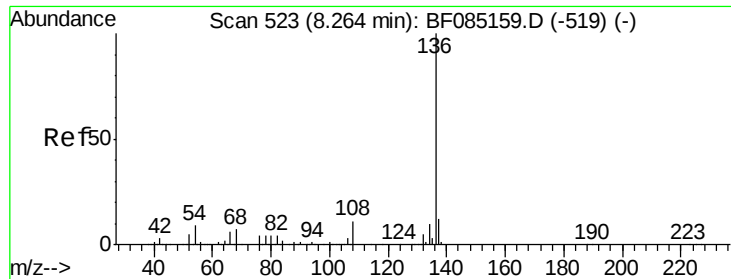
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#20  
3+4-Methylphenols  
Concen: 44.98 ng  
RT: 7.36 min Scan# 444  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 85.4  | 68.8  | 108.8 |
| 77      | 79.9  | 53.6  | 93.6  |
| 79      | 25.6  | 8.0   | 48.0  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085284.D

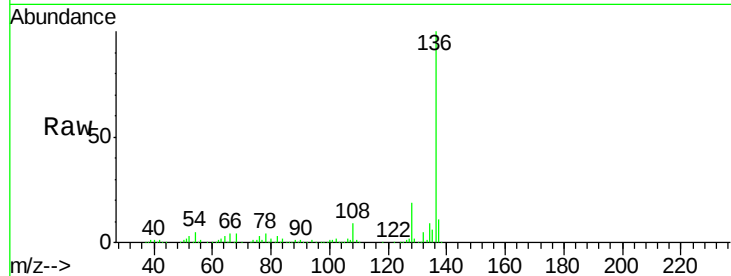
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

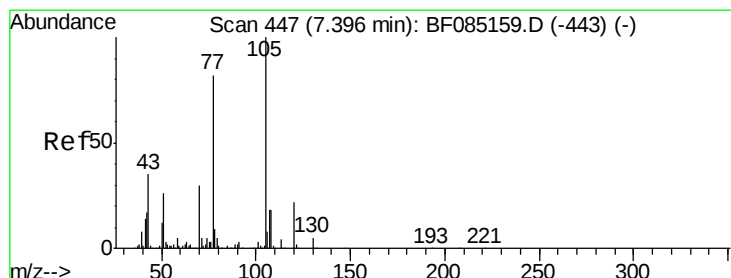
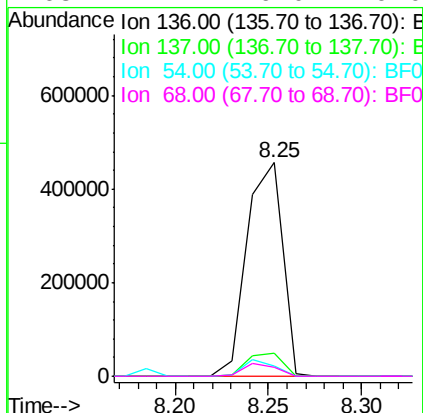
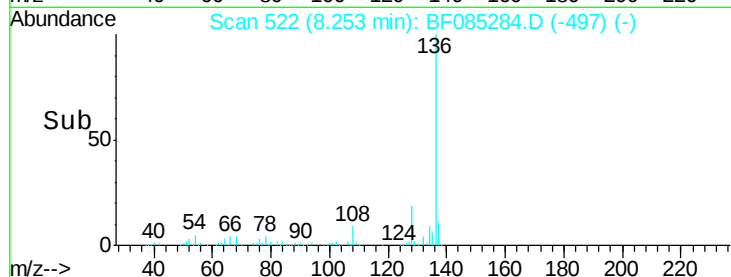
SB-41COMP(0.5-5.0)MSD



| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 136     | 100   |            |            |
| 137     | 10.5  | 9.3        | 13.9       |
| 54      | 4.9   | 7.4        | 11.2#      |
| 68      | 4.4   | 6.0        | 9.0#       |

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#22

Acetophenone

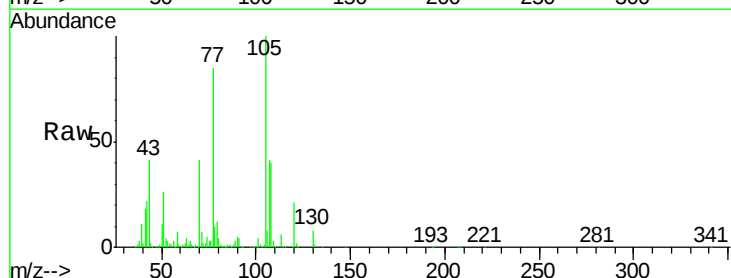
Concen: 43.00 ng

RT: 7.37 min Scan# 445

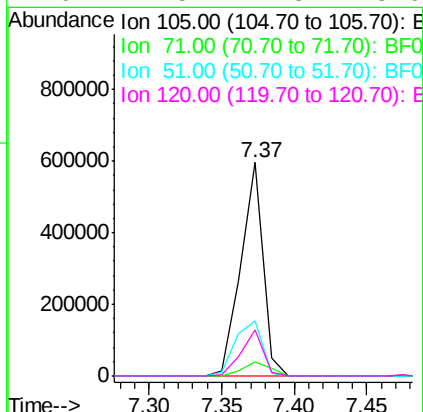
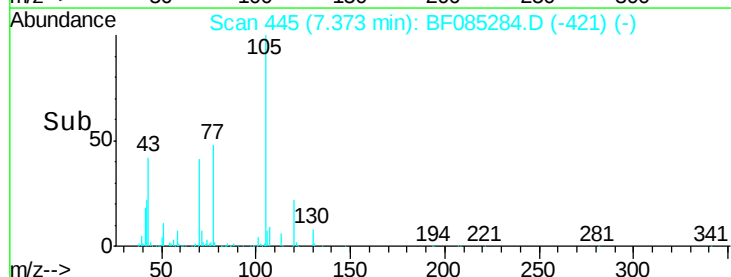
Delta R.T. -0.02 min

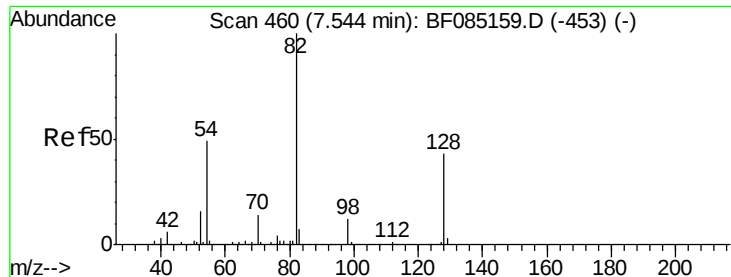
Lab File: BF085284.D

Acq: 9 Mar 2016 4:39



| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 105     | 100   |            |            |
| 71      | 6.9   | 4.1        | 6.1#       |
| 51      | 25.7  | 21.1       | 31.7       |
| 120     | 21.5  | 17.3       | 25.9       |





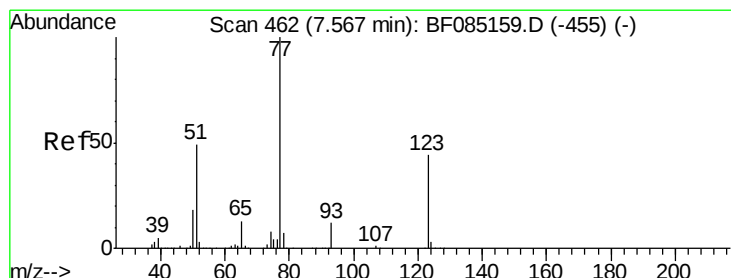
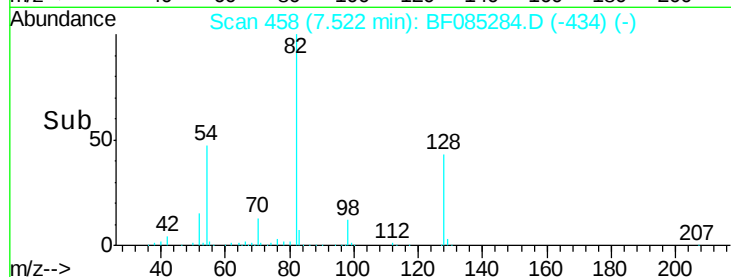
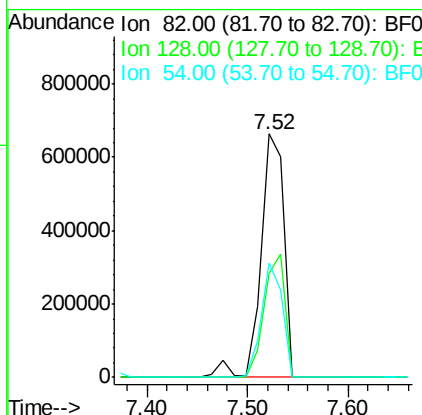
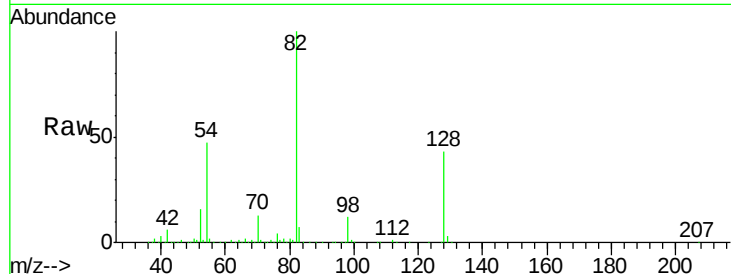
#23  
 Nitrobenzene-d5  
 Concen: 92.68 ng  
 RT: 7.52 min Scan# 458  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.7  | 34.5  | 51.7  |
| 54      | 47.1  | 39.3  | 58.9  |

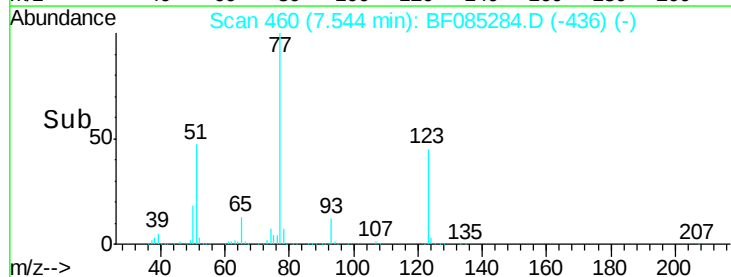
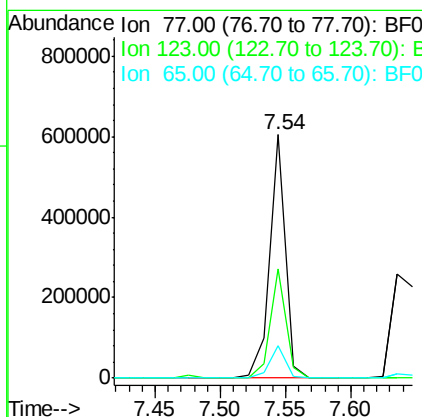
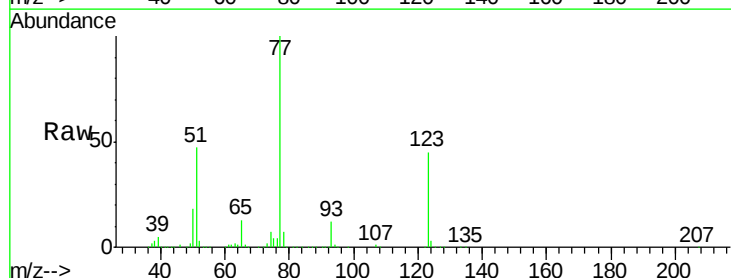
Manual Integrations  
 APPROVED

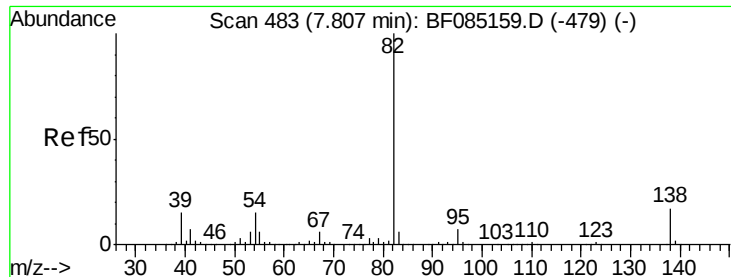
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#24  
 Nitrobenzene  
 Concen: 44.47 ng  
 RT: 7.54 min Scan# 460  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 45.0  | 35.4  | 53.2  |
| 65      | 13.2  | 10.6  | 16.0  |





#25

Isophorone

Concen: 44.82 ng

RT: 7.78 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF085284.D

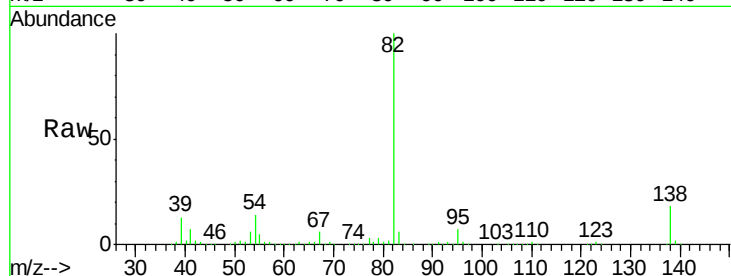
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

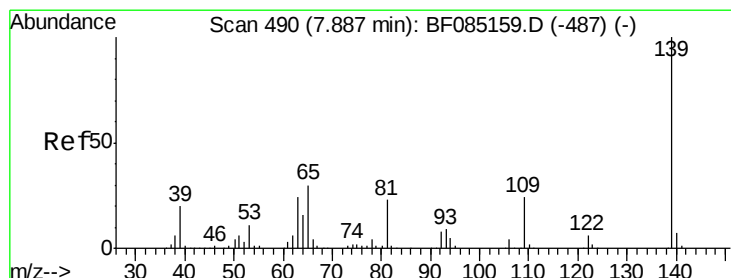
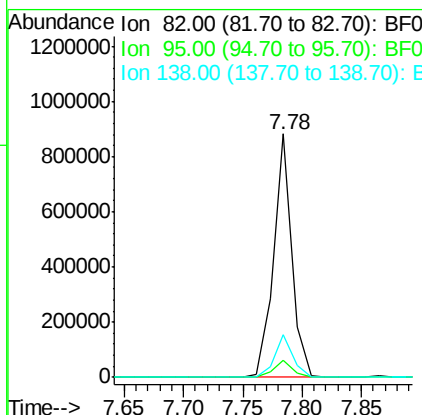
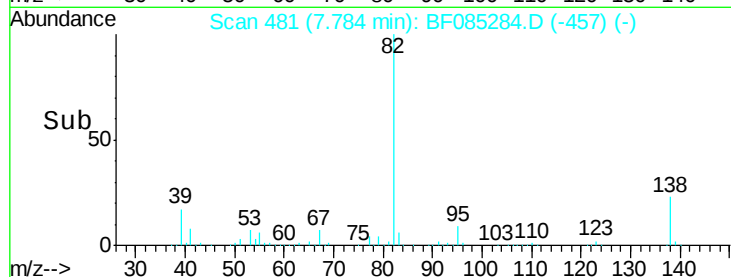
SB-41COMP(0.5-5.0)MSD



| Tgt Ion | 82  | 95  | 138  |
|---------|-----|-----|------|
| Ratio   | 100 | 7.1 | 17.7 |
| Lower   |     | 5.4 | 13.3 |
| Upper   |     | 8.2 | 19.9 |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 49.02 ng

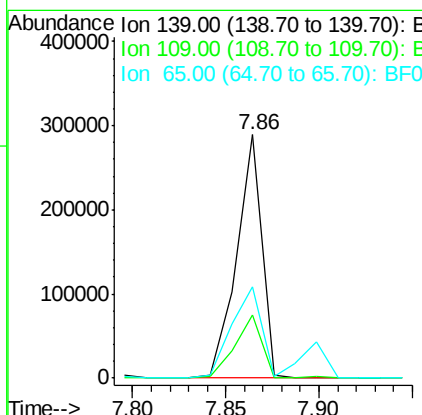
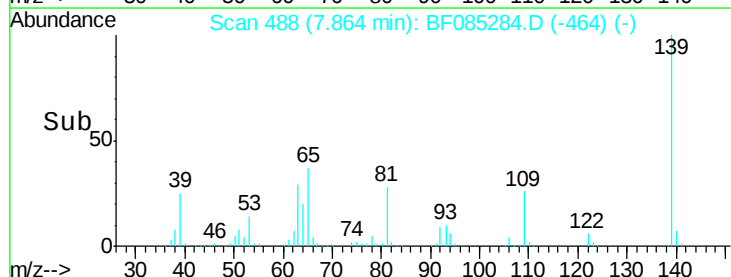
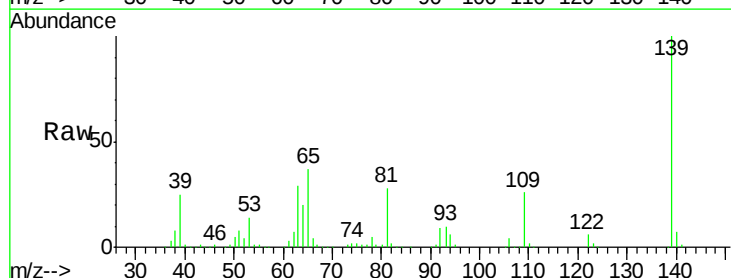
RT: 7.86 min Scan# 488

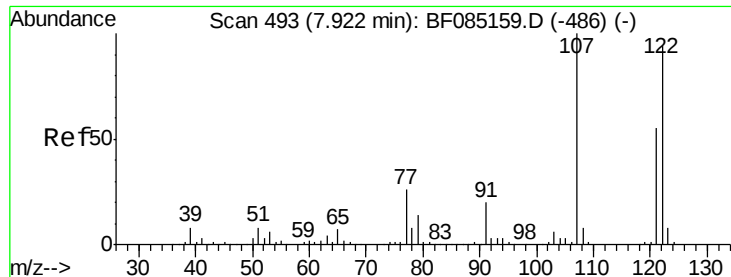
Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

| Tgt Ion | 139 | 109  | 65   |
|---------|-----|------|------|
| Ratio   | 100 | 25.7 | 37.4 |
| Lower   |     | 19.1 | 23.9 |
| Upper   |     | 28.7 | 35.9 |





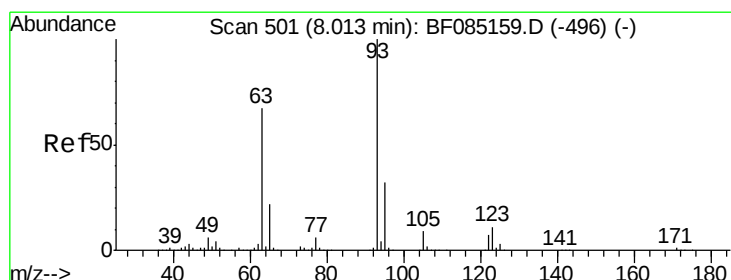
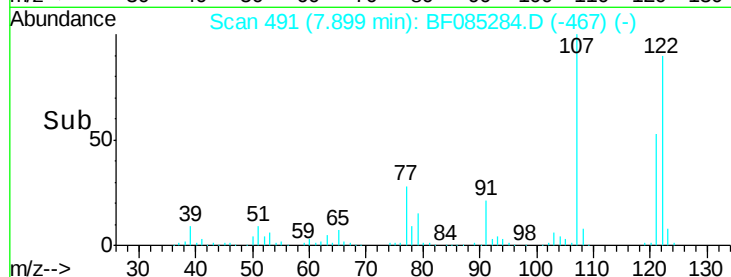
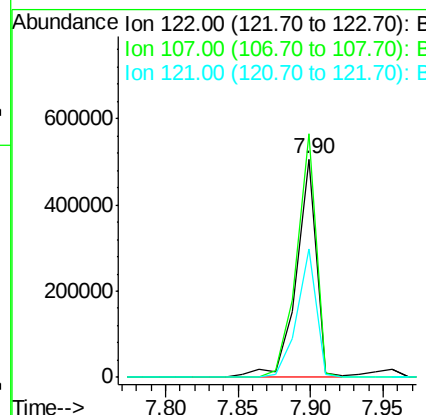
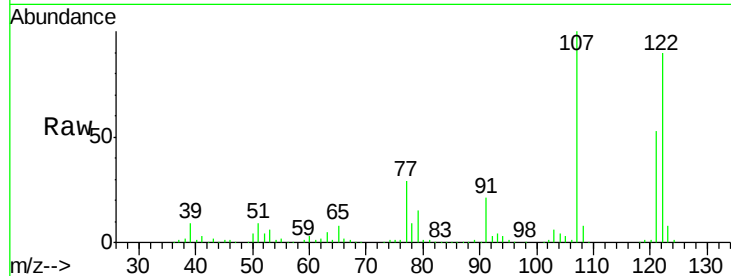
#27  
 2,4-Dimethylphenol  
 Concen: 47.84 ng  
 RT: 7.90 min Scan# 491  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 488981 |       |       |
| 107     | 111.5 | 84.8   | 127.2 |       |
| 121     | 58.6  | 47.0   | 70.6  |       |

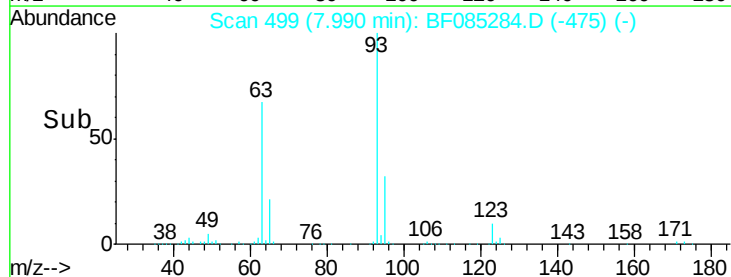
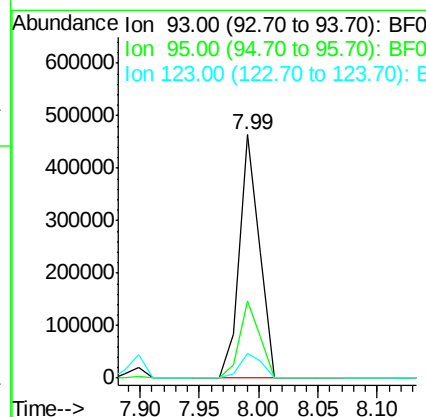
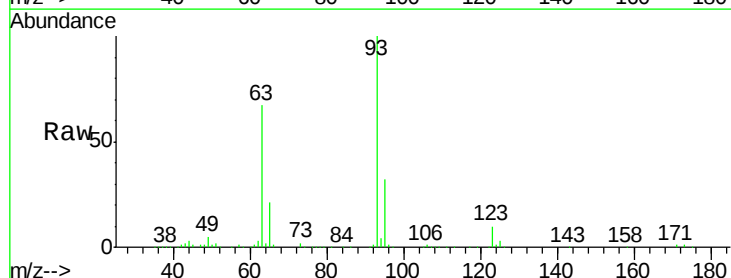
Manual Integrations  
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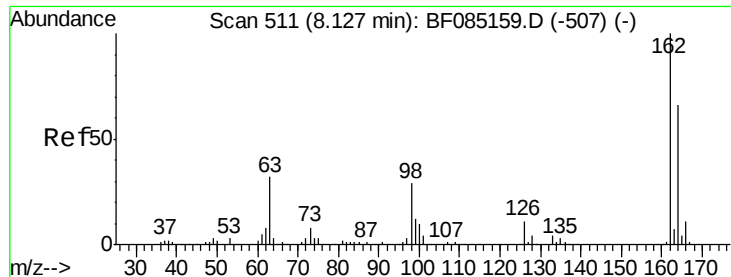
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.45 ng  
 RT: 7.99 min Scan# 499  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 542361 |       |       |
| 95      | 32.0  | 25.9   | 38.9  |       |
| 123     | 10.1  | 8.8    | 13.2  |       |





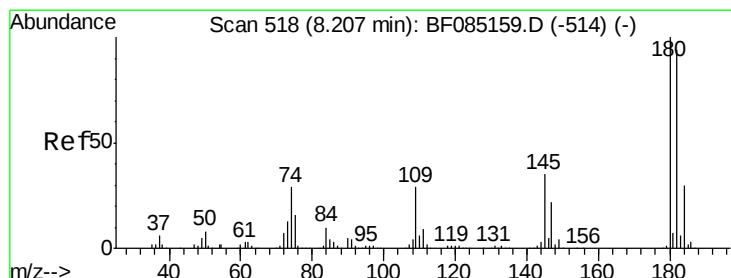
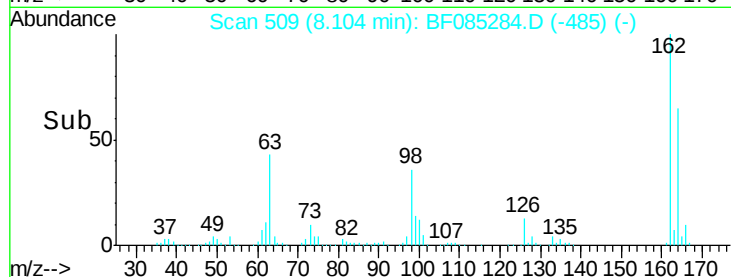
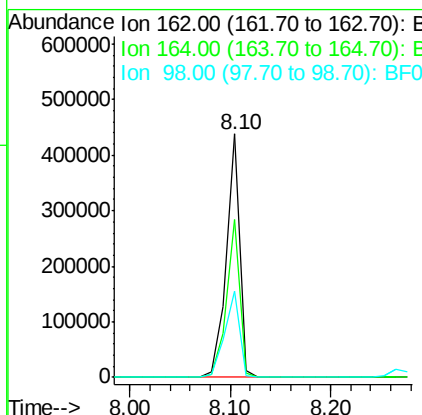
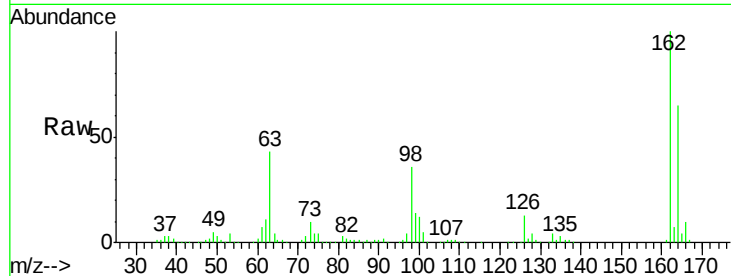
#29  
 2,4-Dichlorophenol  
 Concen: 49.31 ng  
 RT: 8.10 min Scan# 509  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 64.8  | 45.7       | 85.7       |
| 98      | 35.5  | 9.4        | 49.4       |

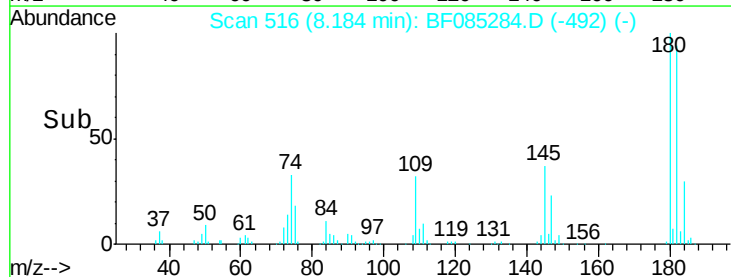
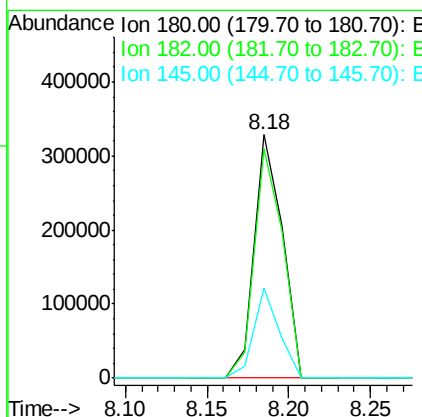
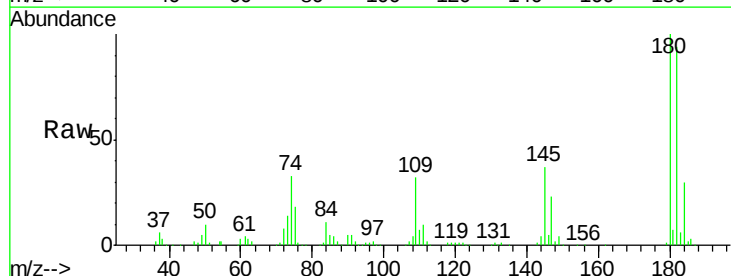
Manual Integrations  
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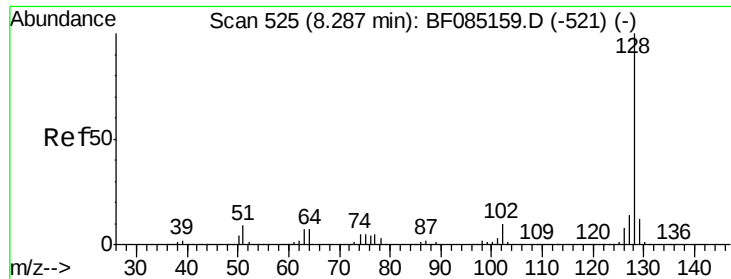
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.27 ng  
 RT: 8.18 min Scan# 516  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 94.2  | 74.9       | 112.3      |
| 145     | 36.8  | 27.9       | 41.9       |





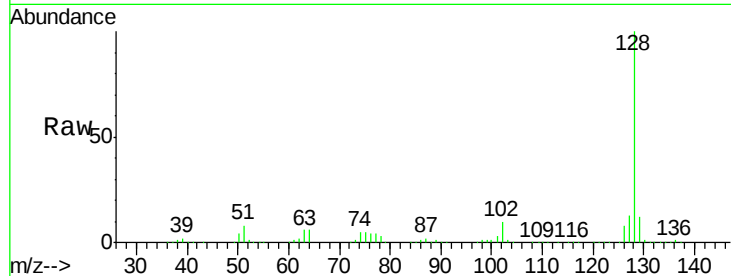
#31  
Naphthalene  
Concen: 44.92 ng  
RT: 8.26 min Scan# 523  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

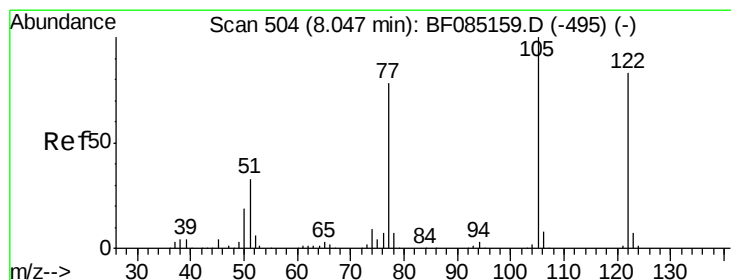
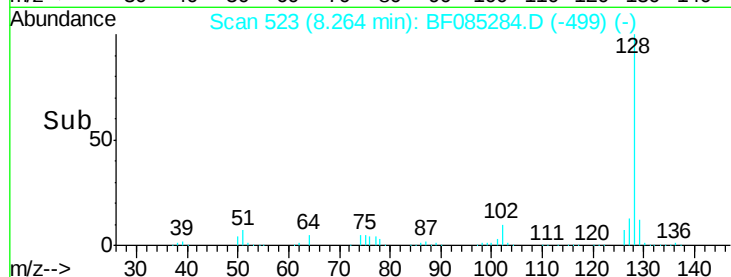
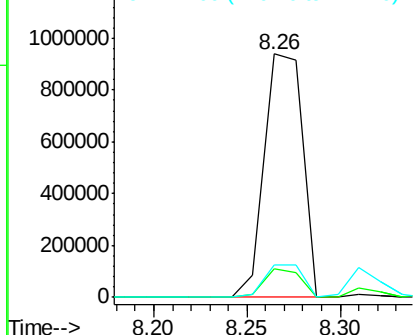
Tgt Ion:128 Resp: 1337074  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.7 14.5  
127 13.4 11.2 16.8

Manual Integrations  
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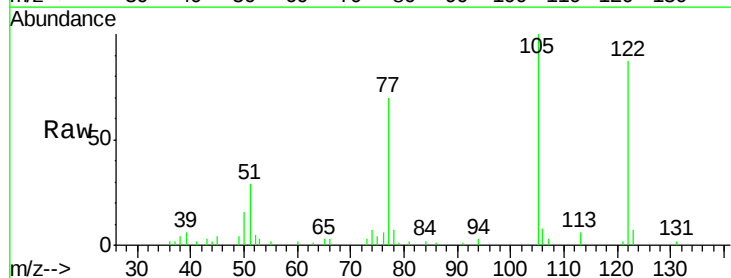


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

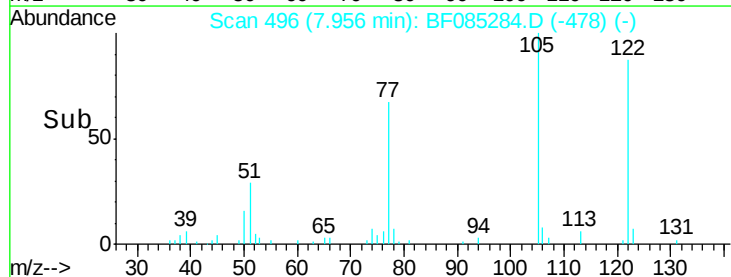
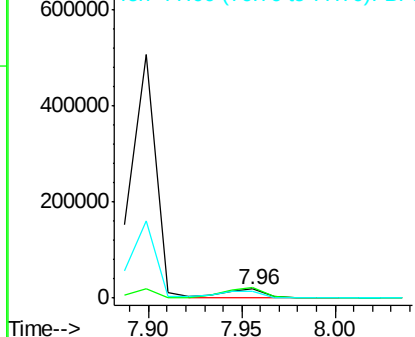


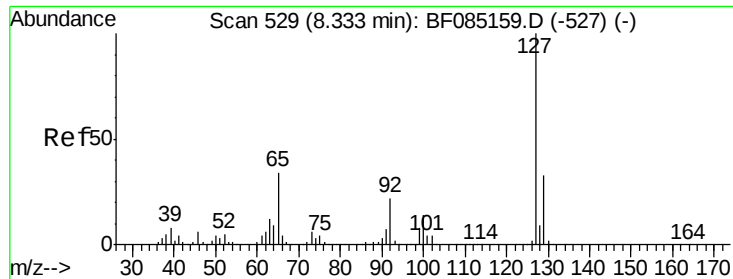
#32  
Benzoic acid  
Concen: 4.02 ng  
RT: 7.96 min Scan# 496  
Delta R.T. -0.09 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Tgt Ion:122 Resp: 27267  
Ion Ratio Lower Upper  
122 100  
105 115.0 101.3 141.3  
77 79.9 74.7 114.7



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





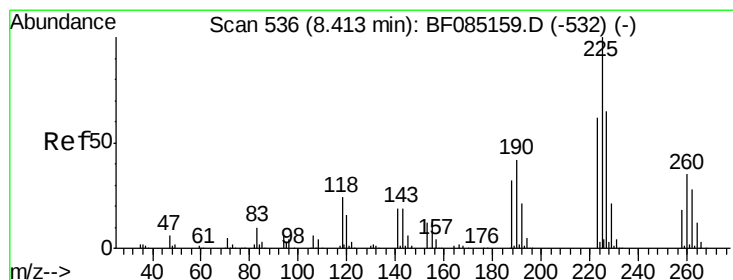
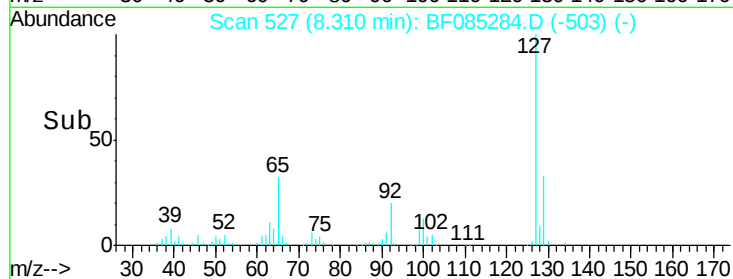
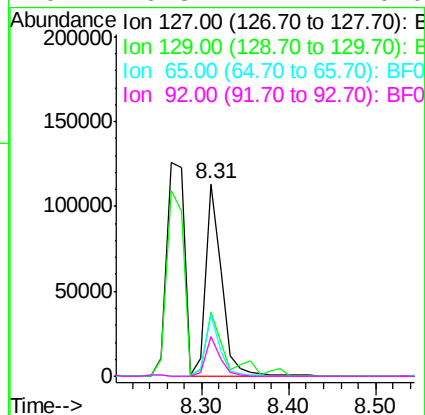
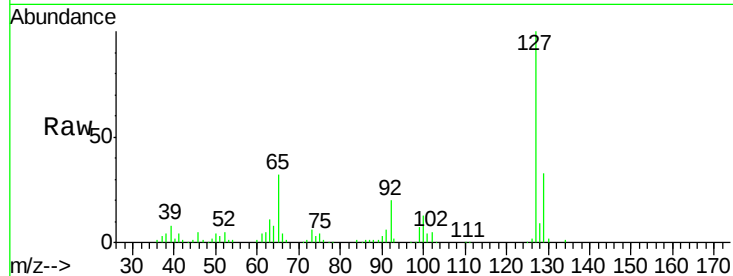
#33  
4-Chloroaniline  
Concen: 11.92 ng  
RT: 8.31 min Scan# 527  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 127     | 100   |            |            |
| 129     | 33.5  | 26.1       | 39.1       |
| 65      | 31.9  | 27.0       | 40.6       |
| 92      | 20.3  | 17.4       | 26.0       |

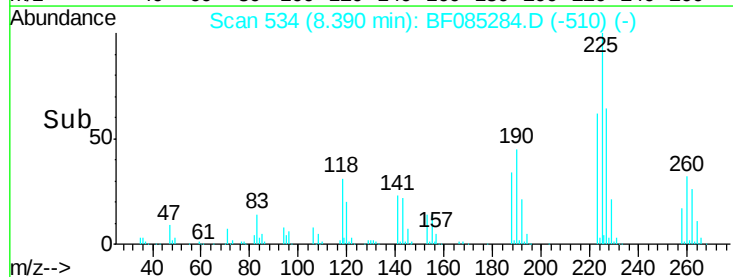
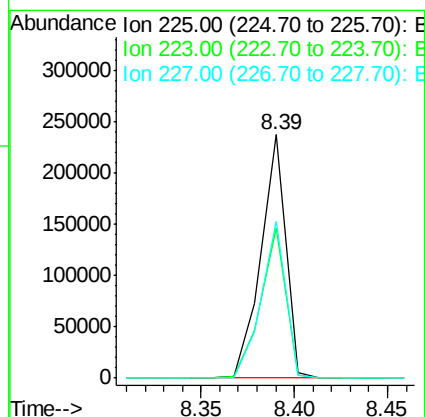
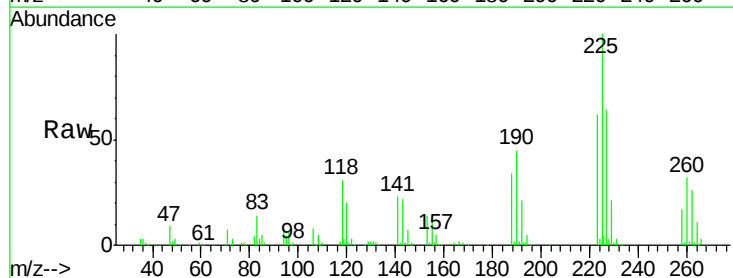
Manual Integrations  
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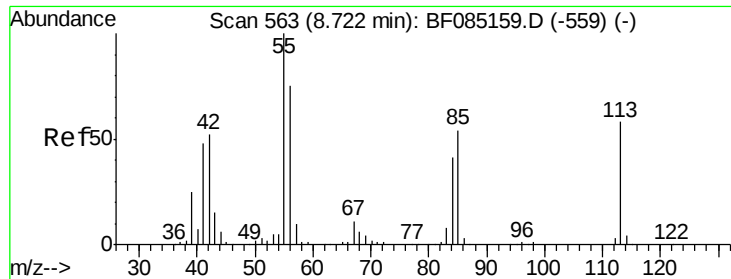
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#34  
Hexachlorobutadiene  
Concen: 46.88 ng  
RT: 8.39 min Scan# 534  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 225     | 100   |            |            |
| 223     | 61.8  | 49.7       | 74.5       |
| 227     | 64.4  | 52.2       | 78.4       |





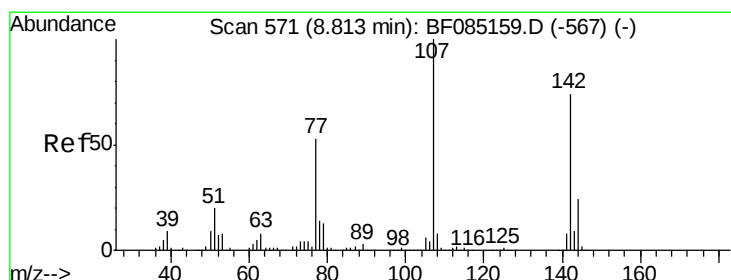
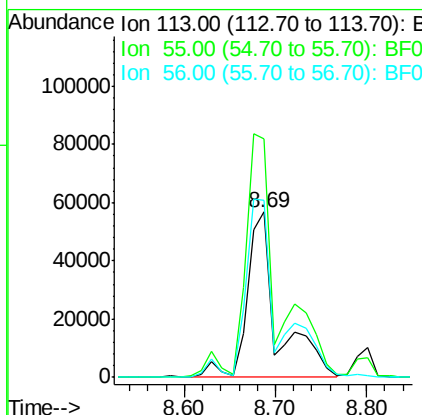
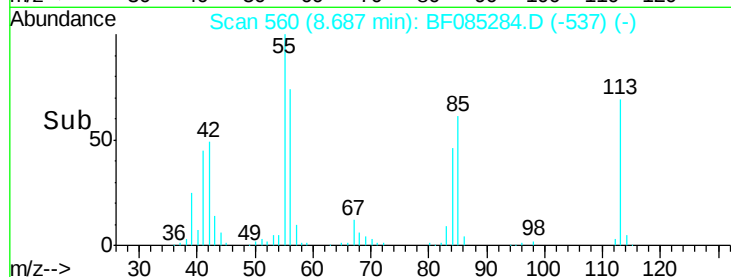
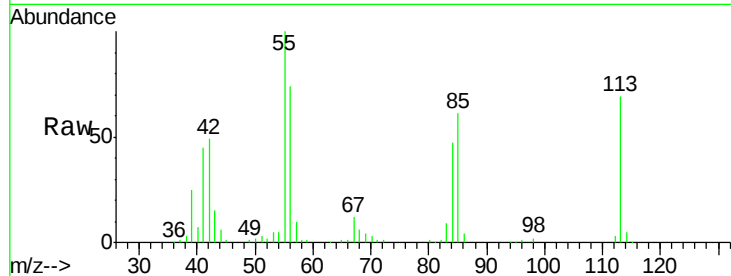
#35  
Caprolactam  
Concen: 49.23 ng m  
RT: 8.69 min Scan# 560  
Delta R.T. -0.03 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

Tgt Ion:113 Resp: 132521  
Ion Ratio Lower Upper  
113 100  
55 144.8 152.7 192.7#  
56 107.6 109.0 149.0#

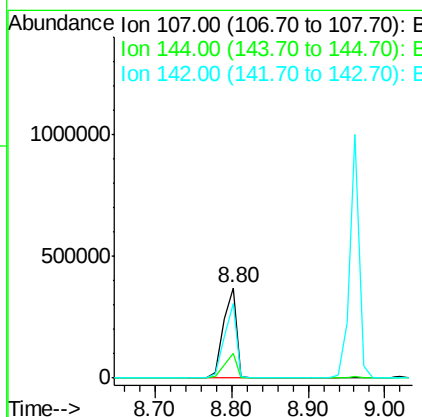
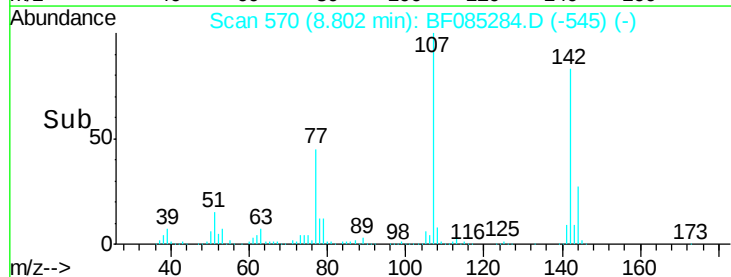
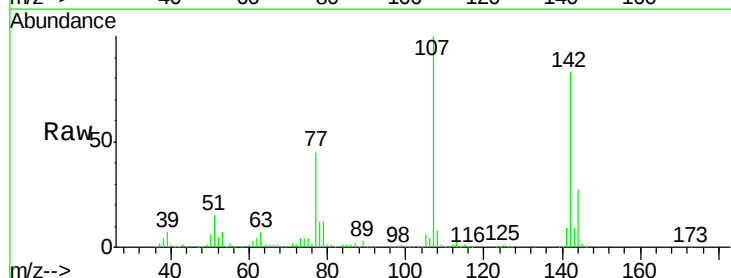
Manual Integrations  
APPROVED

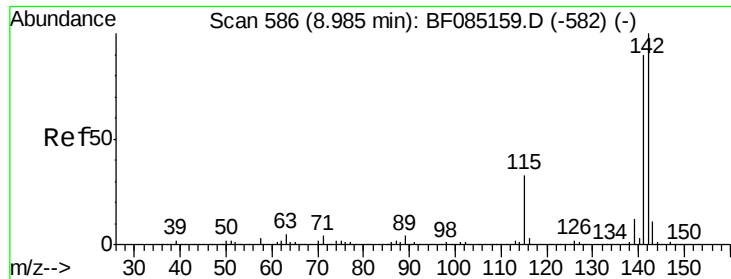
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#36  
4-Chloro-3-methylphenol  
Concen: 48.15 ng  
RT: 8.80 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

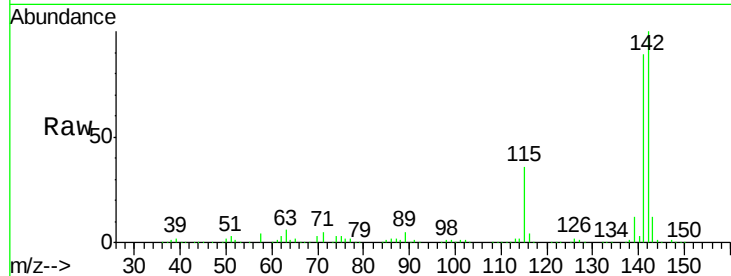
Tgt Ion:107 Resp: 450288  
Ion Ratio Lower Upper  
107 100  
144 27.3 19.4 29.2  
142 83.4 59.4 89.2





#37  
2-Methylnaphthalene  
Concen: 46.50 ng  
RT: 8.96 min Scan# 584  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

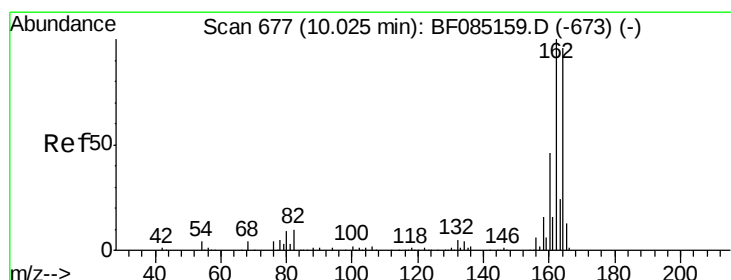
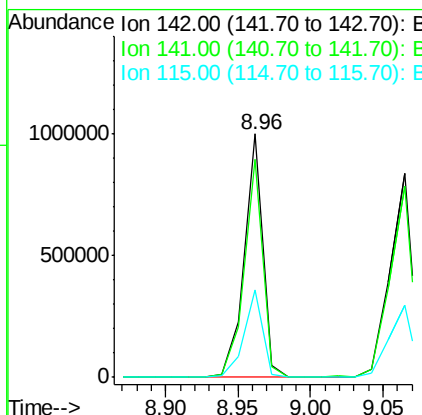
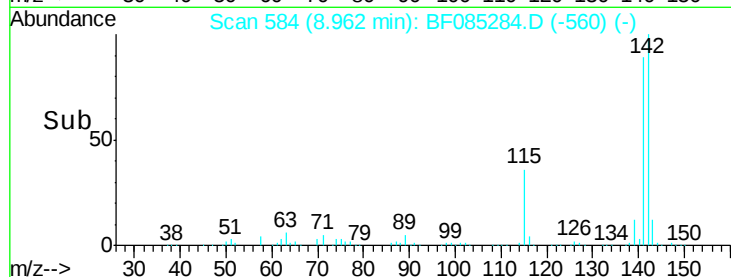
Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 71.7  | 107.5 |
| 115     | 35.8  | 26.2  | 39.4  |

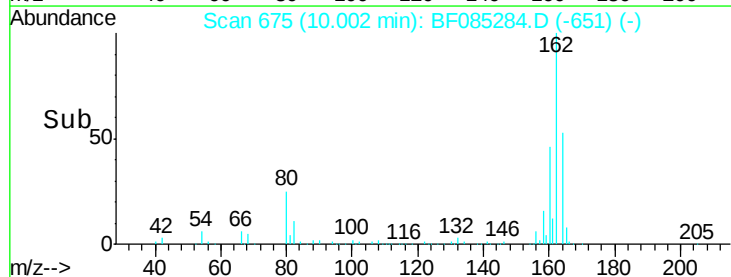
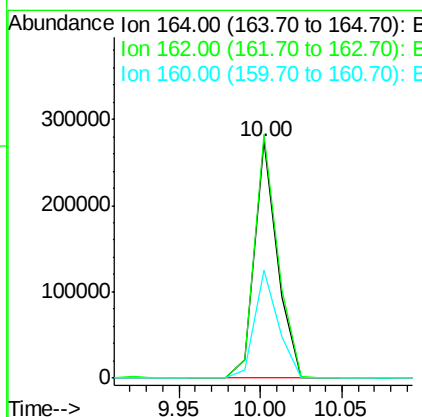
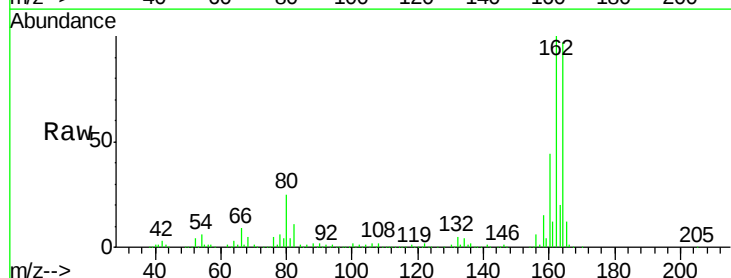
Manual Integrations  
APPROVED

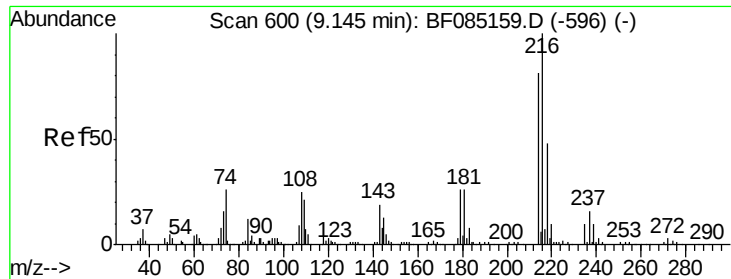
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.00 min Scan# 675  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

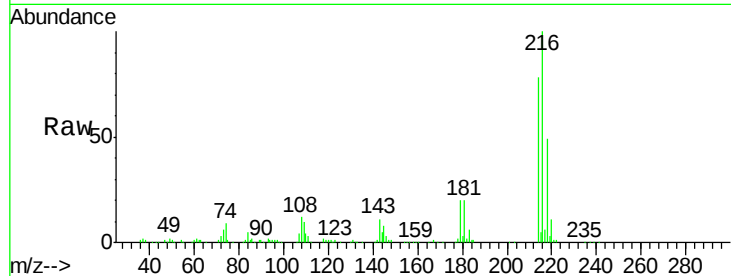
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.7 | 83.3  | 124.9 |
| 160     | 45.6  | 37.9  | 56.9  |





#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 47.10 ng  
 RT: 9.13 min Scan# 599  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

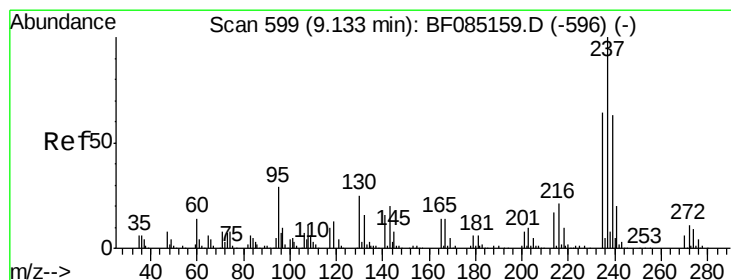
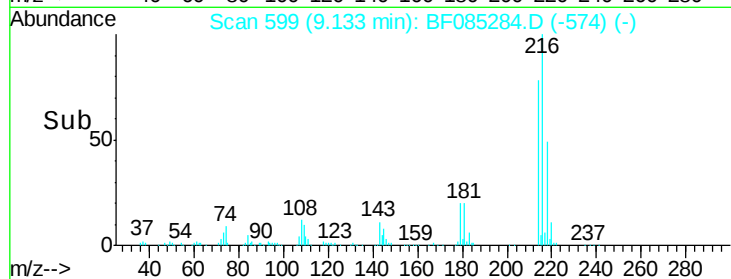
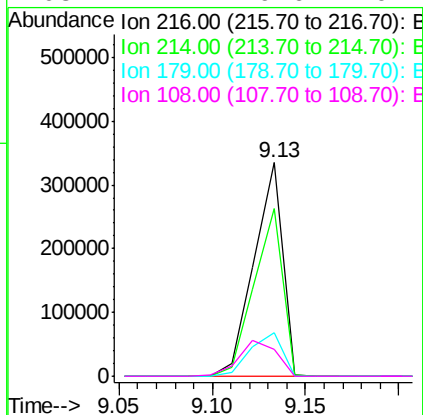
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.8  | 63.8  | 95.6  |
| 179     | 22.7  | 19.6  | 29.4  |
| 108     | 22.2  | 19.6  | 29.4  |

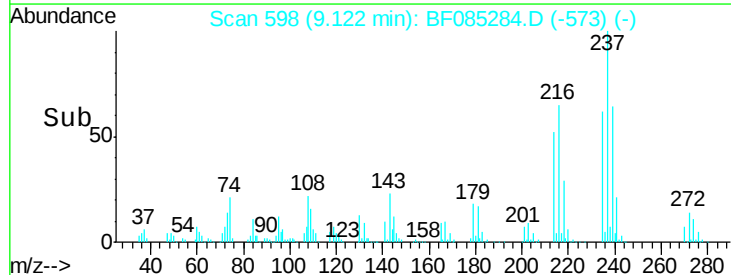
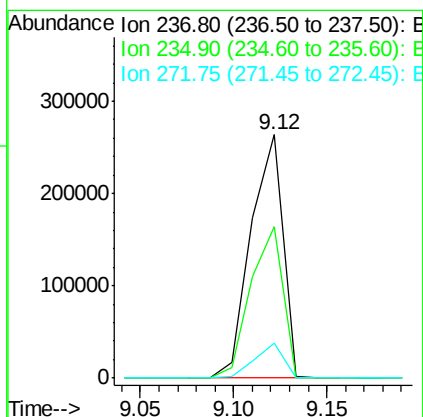
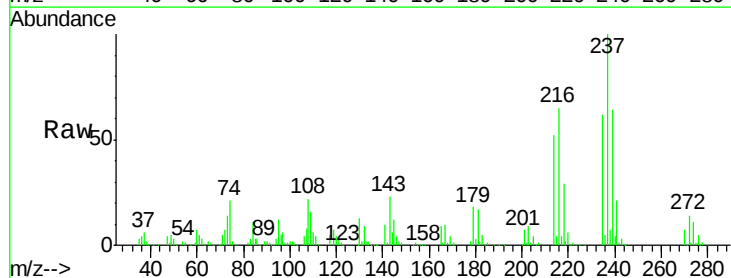
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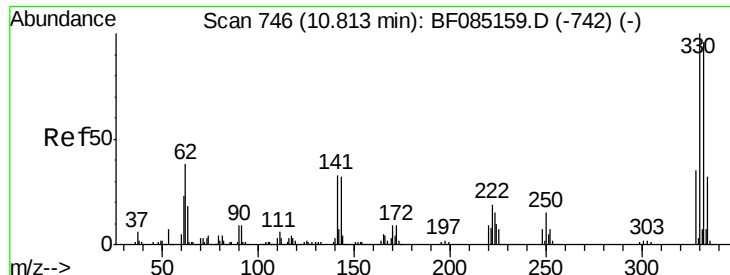
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#40  
 Hexachlorocyclopentadiene  
 Concen: 75.68 ng  
 RT: 9.12 min Scan# 598  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 62.3  | 43.7  | 83.7  |
| 272     | 14.3  | 0.0   | 31.5  |





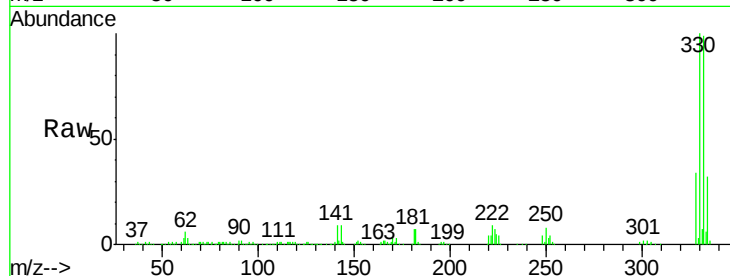
#41  
 2,4,6-Tribromophenol  
 Concen: 147.46 ng  
 RT: 10.80 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

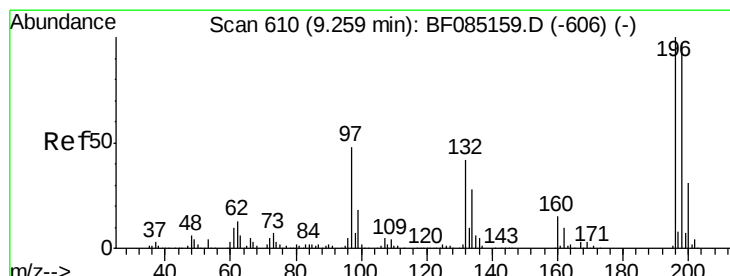
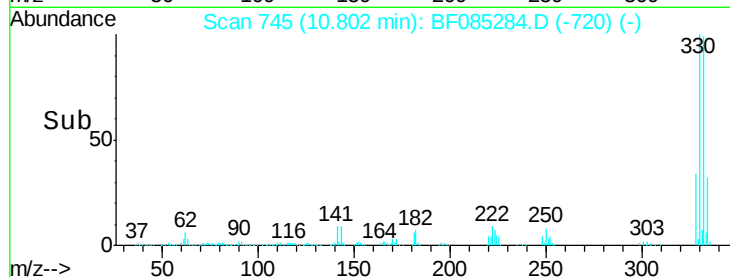
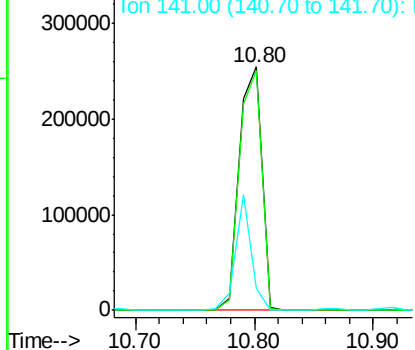
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 338055 |       |       |
| 332     | 97.8  | 77.1   | 115.7 |       |
| 141     | 33.4  | 35.0   | 52.6  |       |

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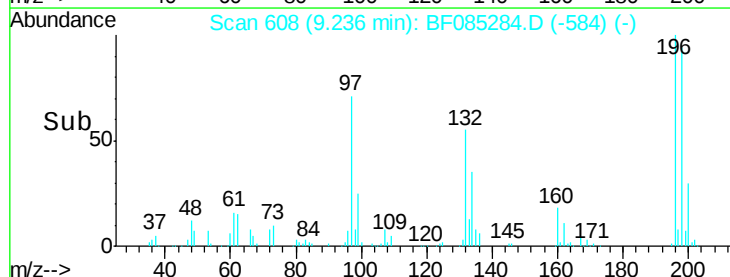
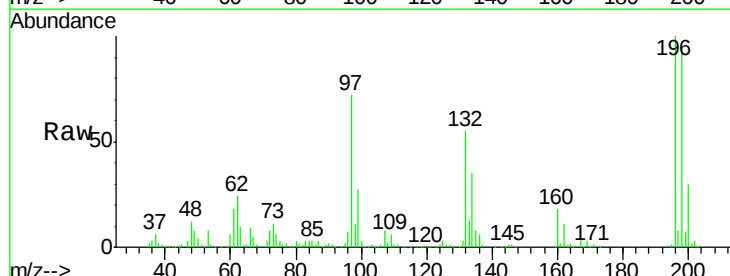
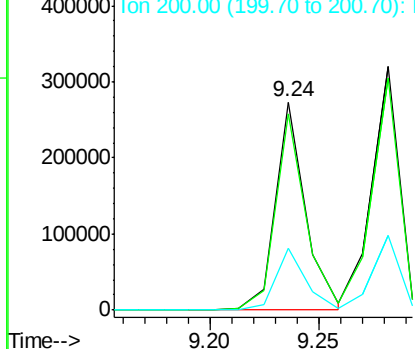
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



#42  
 2,4,6-Trichlorophenol  
 Concen: 46.20 ng  
 RT: 9.24 min Scan# 608  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 263522 |       |       |
| 198     | 94.3  | 77.8   | 116.6 |       |
| 200     | 29.5  | 25.0   | 37.6  |       |

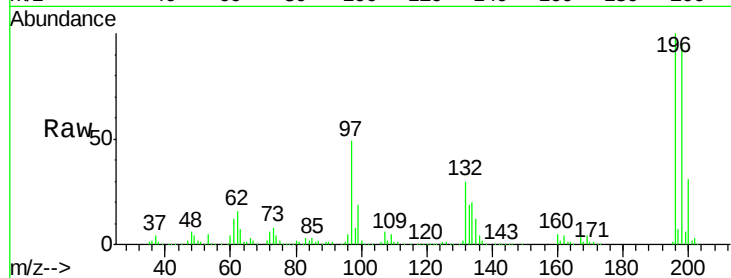
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





#43  
 2,4,5-Trichlorophenol  
 Concen: 52.29 ng  
 RT: 9.28 min Scan# 612  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

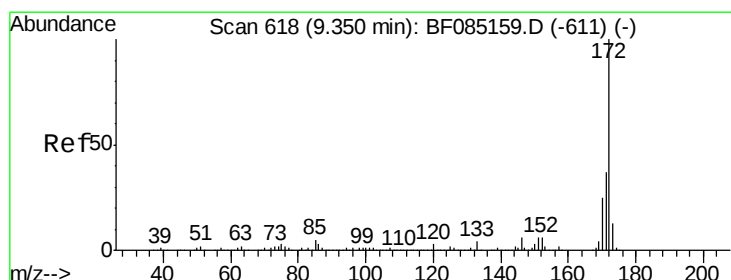
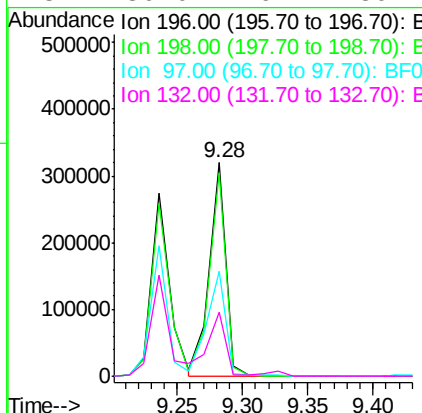
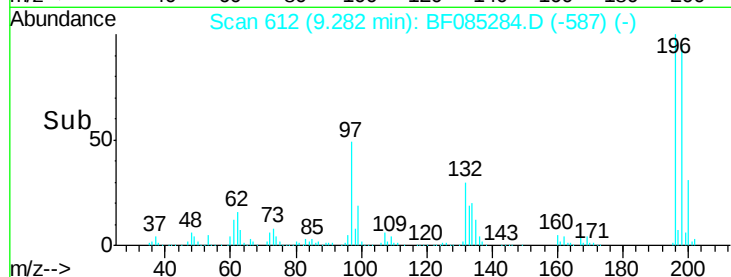
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 282789 |       |       |
| 198     | 95.4  | 75.7   | 113.5 |       |
| 97      | 49.0  | 46.4   | 69.6  |       |
| 132     | 30.0  | 26.2   | 39.4  |       |

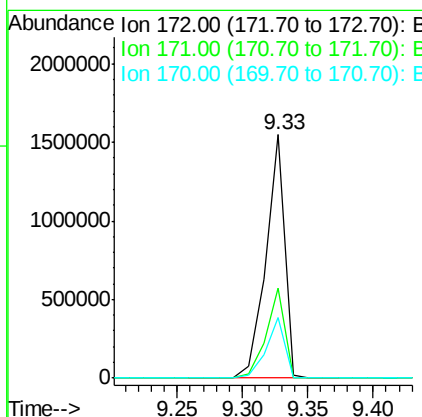
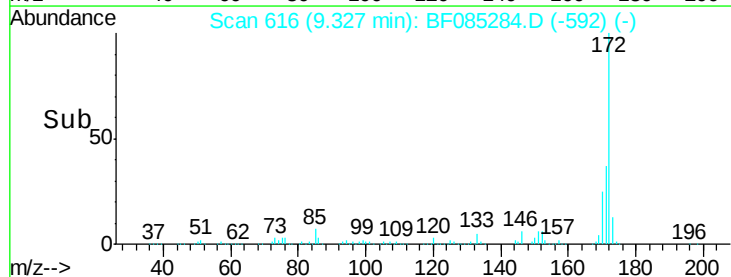
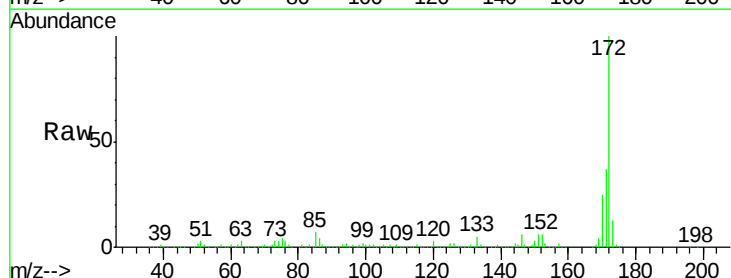
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#44  
 2-Fluorobiphenyl  
 Concen: 88.28 ng  
 RT: 9.33 min Scan# 616  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1555121 |       |       |
| 171     | 36.8  | 29.3    | 43.9  |       |
| 170     | 25.0  | 20.0    | 30.0  |       |





#45

1,1'-Biphenyl

Concen: 46.30 ng

RT: 9.43 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF085284.D

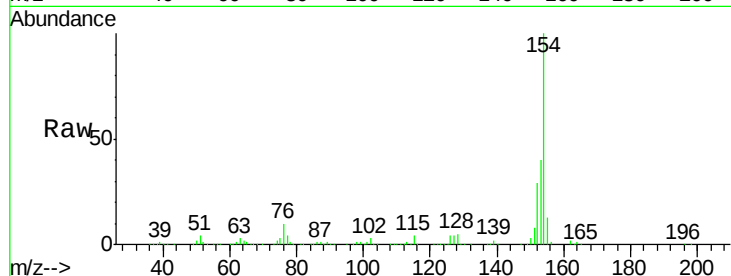
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

SB-41COMP(0.5-5.0)MSD



Tgt Ion:154 Resp: 1059741

Ion Ratio Lower Upper

154 100

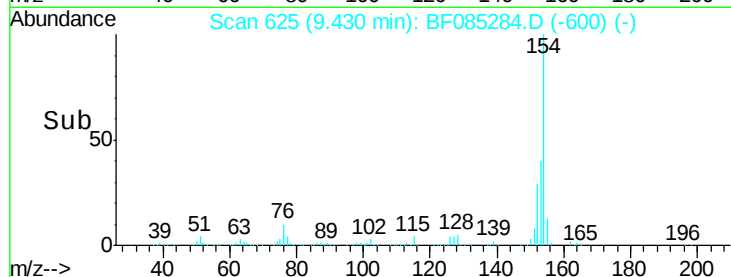
153 40.4 21.4 61.4

76 9.5 0.0 37.5

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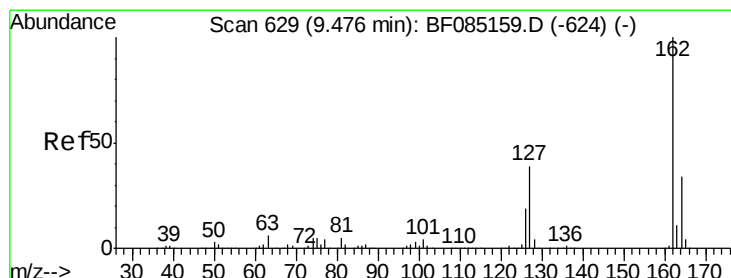
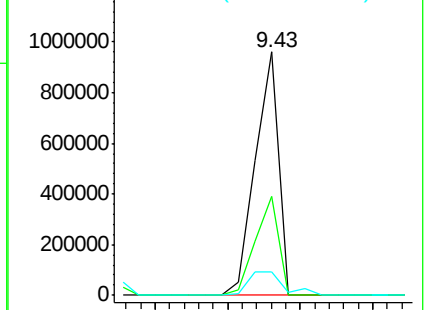
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 46.19 ng

RT: 9.45 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

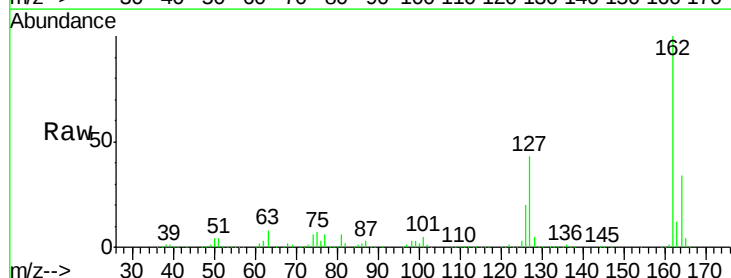
Tgt Ion:162 Resp: 805872

Ion Ratio Lower Upper

162 100

127 43.1 31.6 47.4

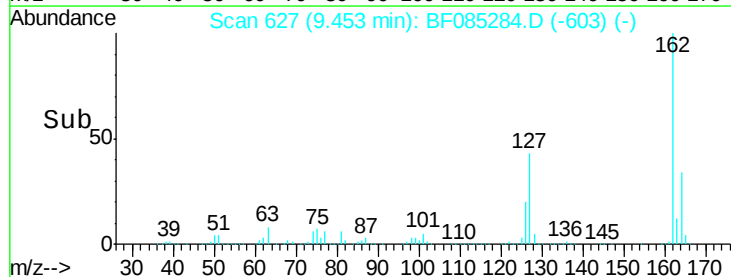
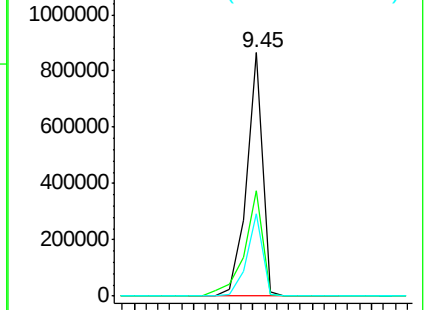
164 33.7 27.1 40.7

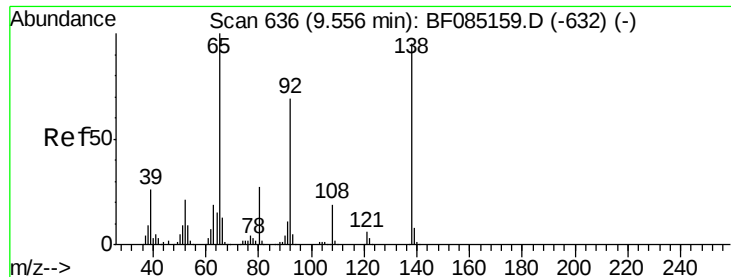


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 49.54 ng

RT: 9.54 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

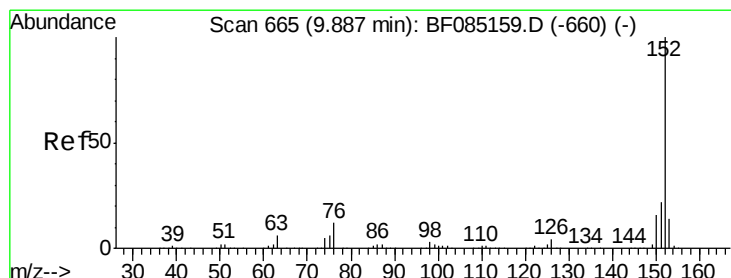
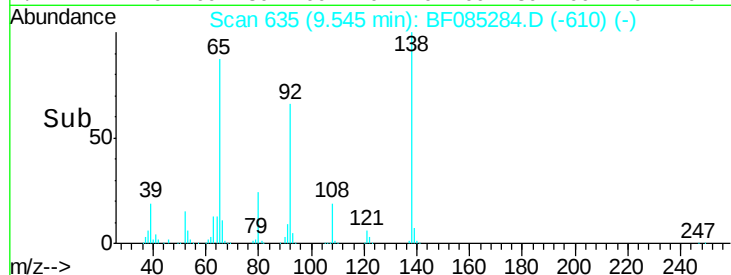
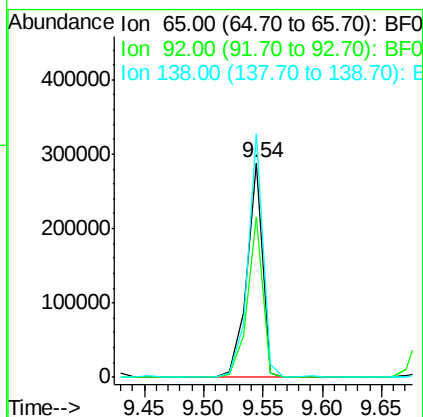
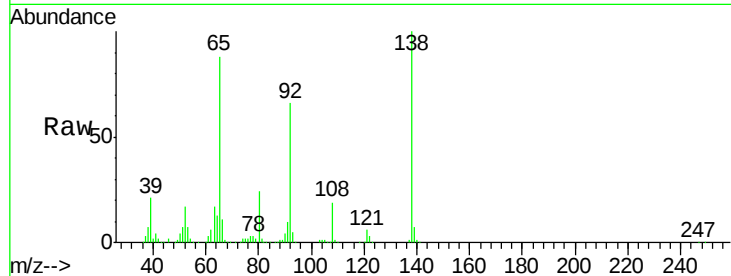
ClientSampleId :

SB-41COMP(0.5-5.0)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 267857 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 74.6  | 55.4  | 83.2   |
| 138       | 113.4 | 75.7  | 113.5  |

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#48

Acenaphthylene

Concen: 42.88 ng

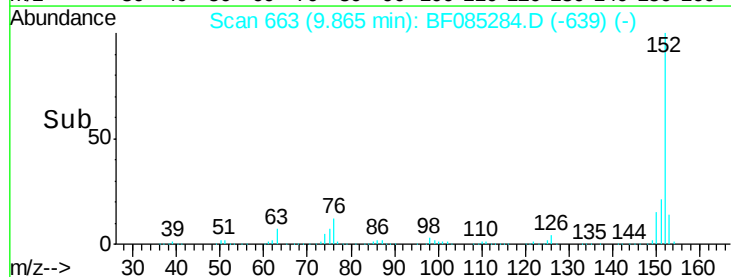
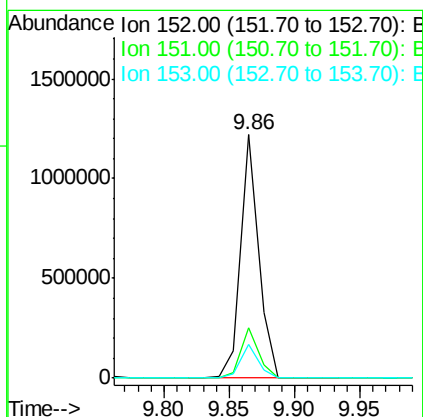
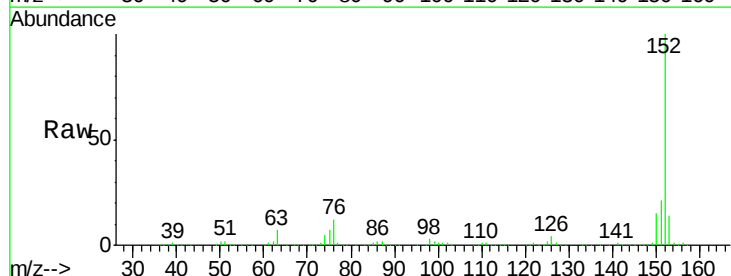
RT: 9.86 min Scan# 663

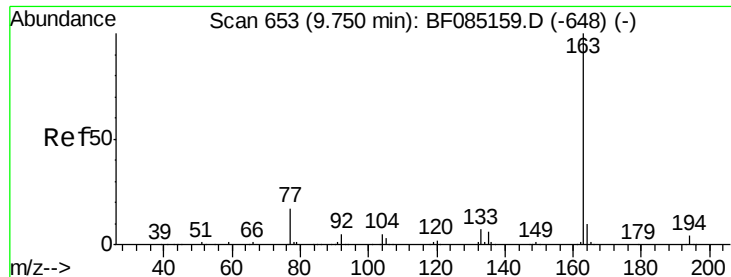
Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 1164333 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 20.9  | 17.5  | 26.3    |
| 153       | 13.8  | 11.3  | 16.9    |





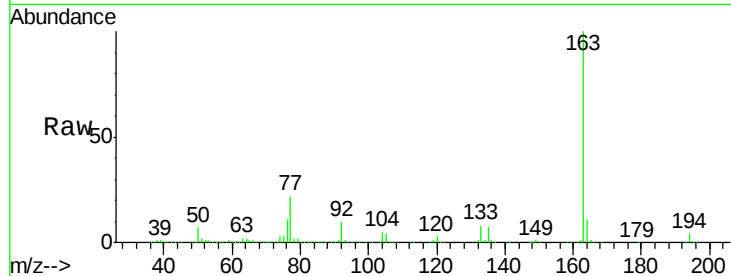
#49  
Dimethylphthalate  
Concen: 55.68 ng  
RT: 9.73 min Scan# 651  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

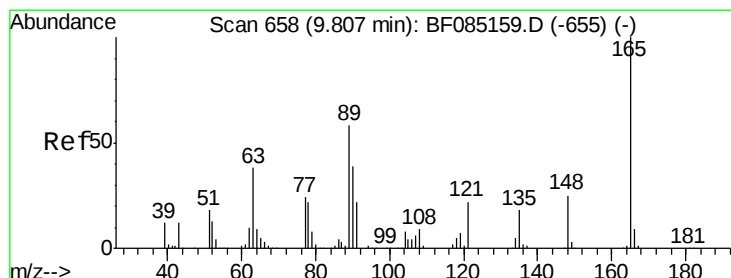
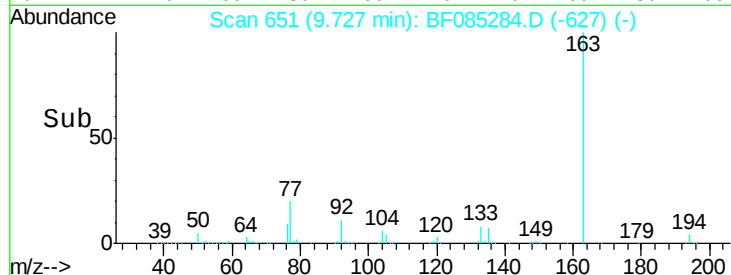
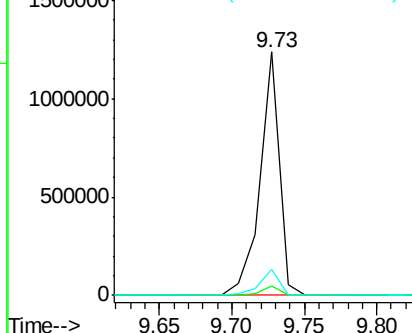
Tgt Ion:163 Resp: 1144976  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.1 4.7  
164 10.5 8.2 12.4

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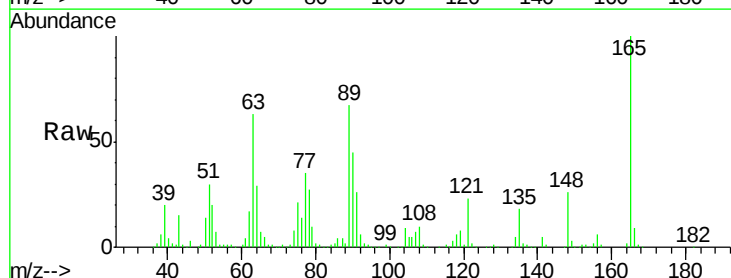


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

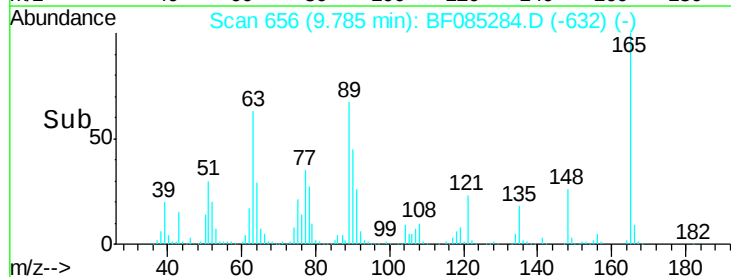
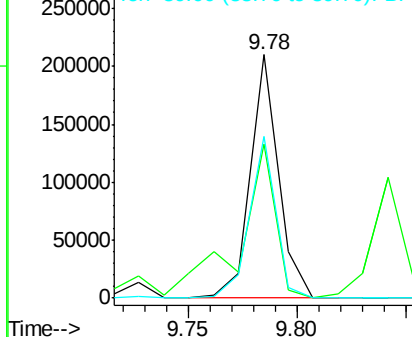


#50  
2,6-Dinitrotoluene  
Concen: 42.85 ng  
RT: 9.78 min Scan# 656  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Tgt Ion:165 Resp: 188522  
Ion Ratio Lower Upper  
165 100  
63 63.3 41.8 62.8#  
89 66.5 46.7 70.1



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: 48.56 ng

RT: 10.04 min Scan# 678

Delta R.T. -0.02 min

Lab File: BF085284.D

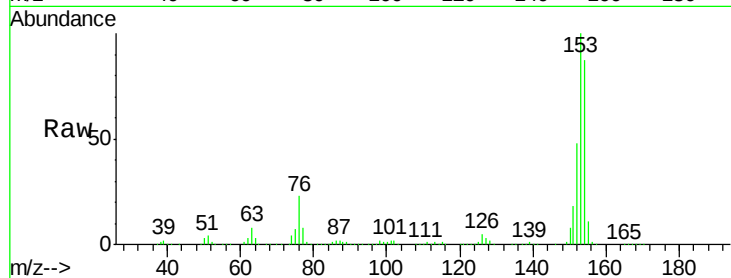
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

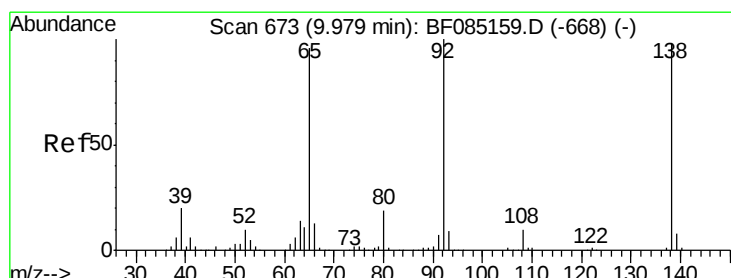
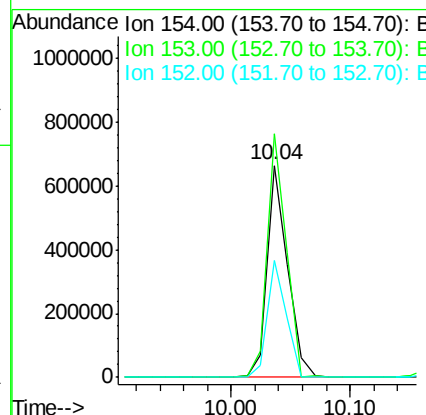
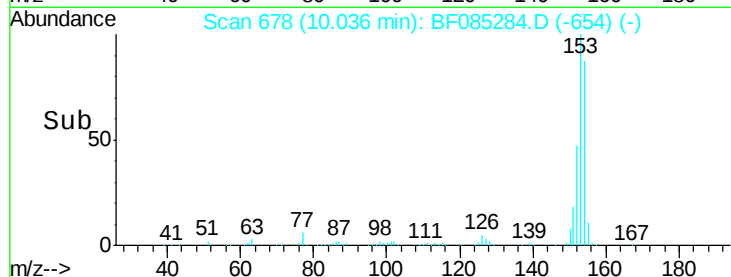
SB-41COMP(0.5-5.0)MSD



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 800585 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.8 | 89.8  | 134.8  |
| 152       | 55.1  | 44.6  | 66.8   |

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#52

3-Nitroaniline

Concen: 30.63 ng

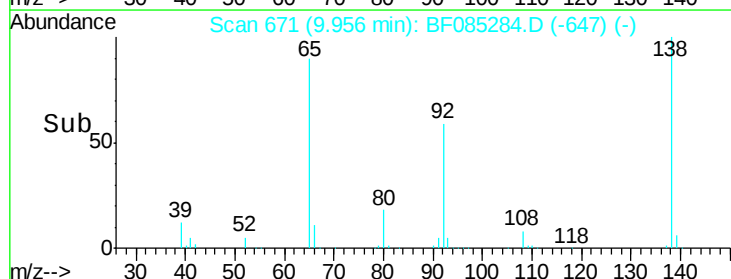
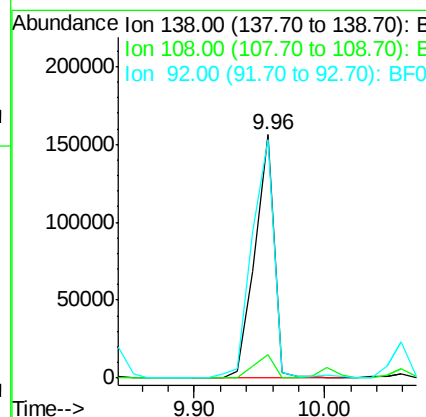
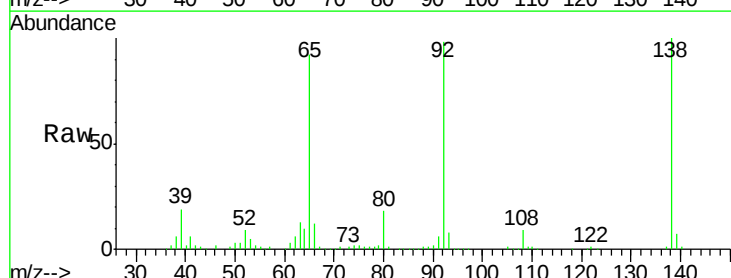
RT: 9.96 min Scan# 671

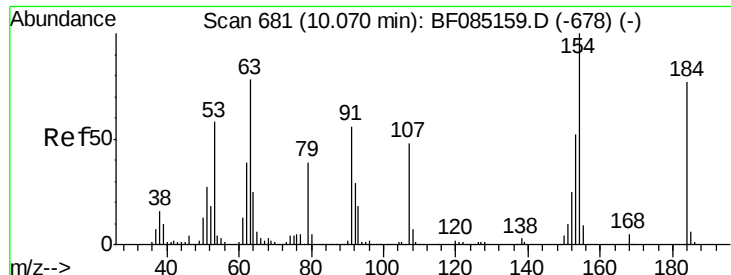
Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 161214 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.5   | 7.8   | 11.6   |
| 92        | 97.9  | 81.3  | 121.9  |





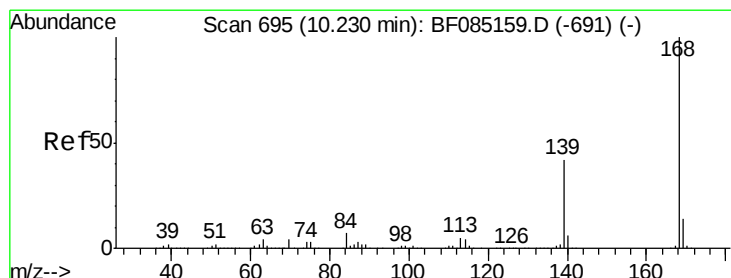
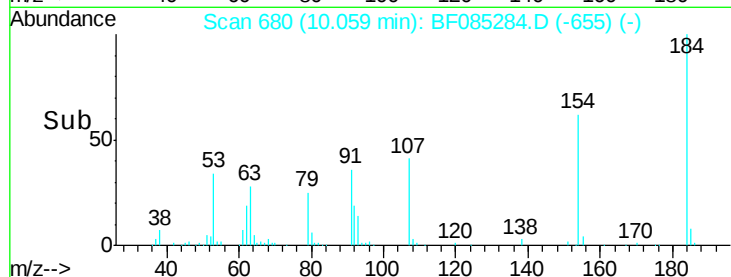
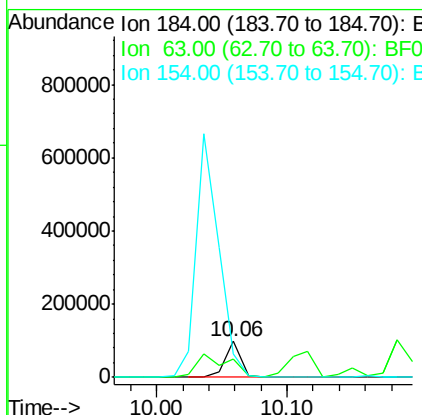
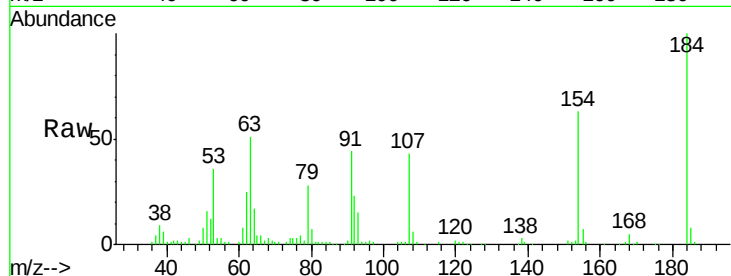
#53  
 2,4-Dinitrophenol  
 Concen: 41.98 ng  
 RT: 10.06 min Scan# 680  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

Tgt Ion:184 Resp: 84242  
 Ion Ratio Lower Upper  
 184 100  
 63 51.2 82.2 123.4#  
 154 63.3 108.9 163.3#

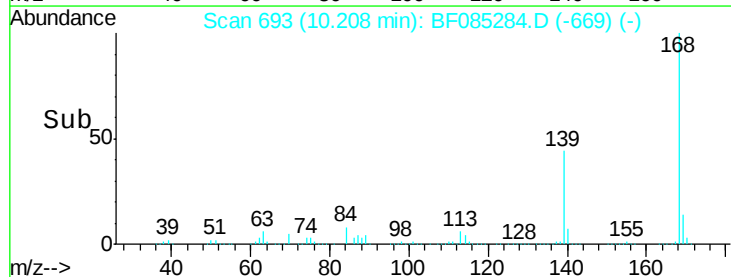
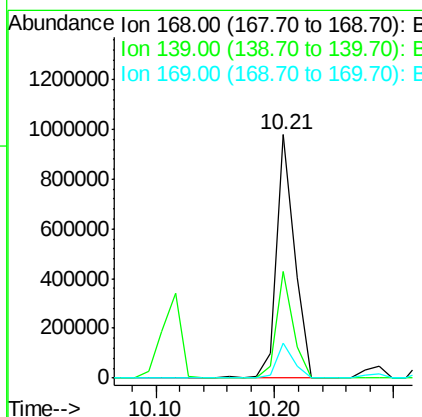
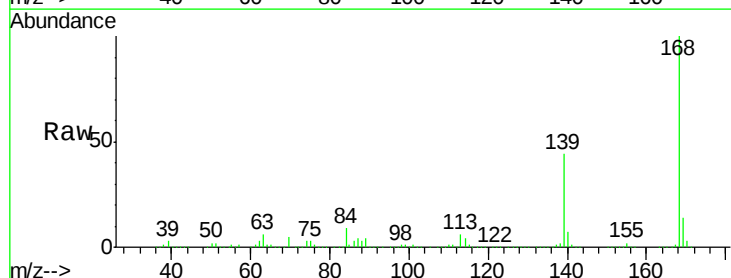
Manual Integrations  
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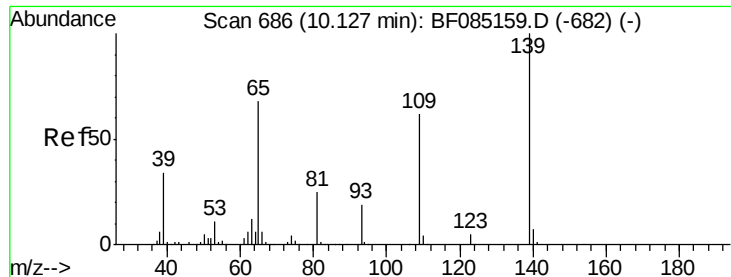
UMANGI  
 3/9/2016 3:26:55 PM



#54  
 Dibenzofuran  
 Concen: 47.46 ng  
 RT: 10.21 min Scan# 693  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Tgt Ion:168 Resp: 1025201  
 Ion Ratio Lower Upper  
 168 100  
 139 43.9 33.6 50.4  
 169 14.4 11.2 16.8





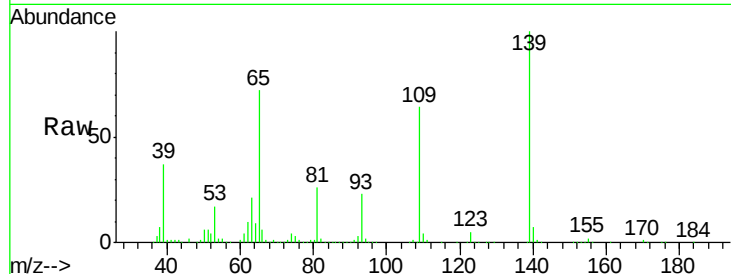
#55  
4-Nitrophenol  
Concen: 95.13 ng  
RT: 10.12 min Scan# 685  
Delta R.T. -0.01 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

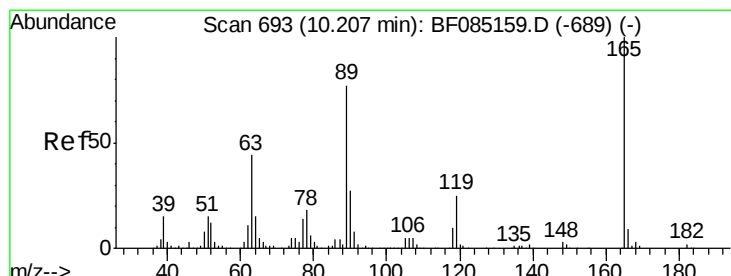
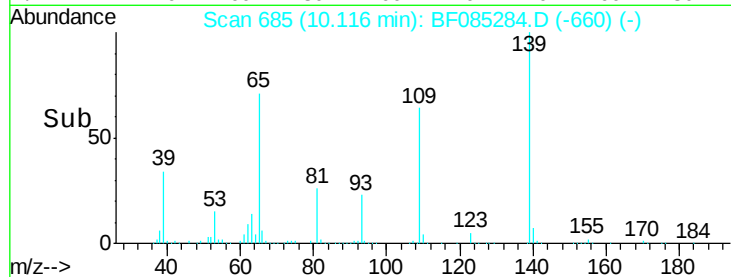
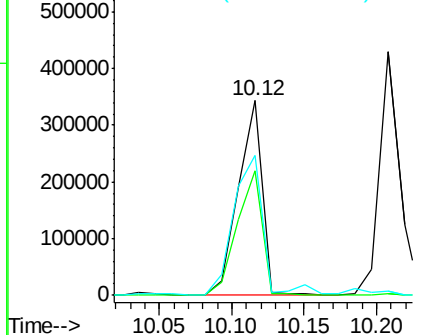
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 393459 |       |       |
| 109     | 64.1  | 41.9   | 81.9  |       |
| 65      | 71.8  | 48.3   | 88.3  |       |

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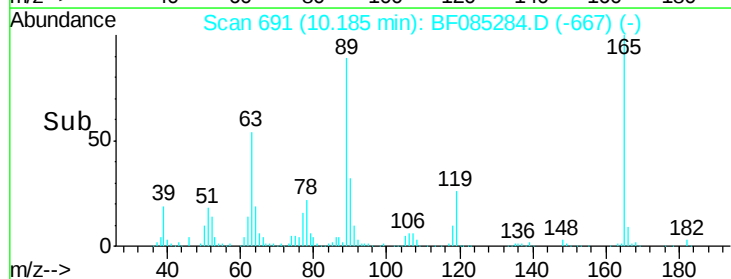
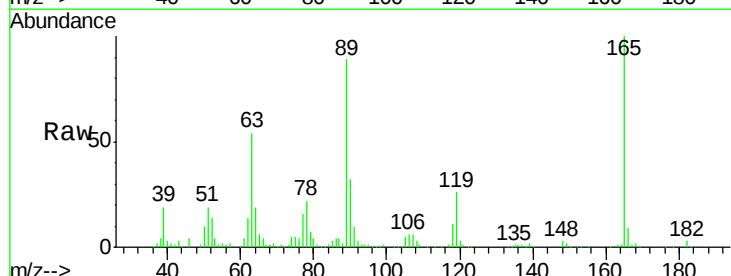
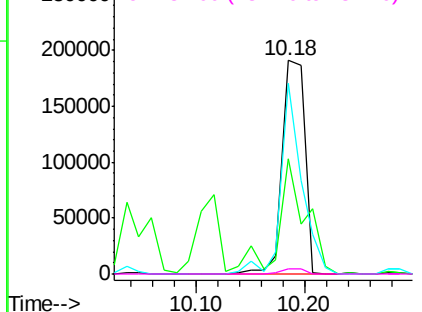
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

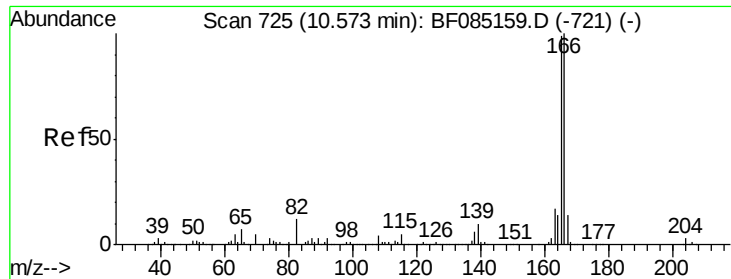


#56  
2,4-Dinitrotoluene  
Concen: 49.35 ng  
RT: 10.18 min Scan# 691  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 277823 |       |       |
| 63      | 53.7  | 35.4   | 53.0# |       |
| 89      | 89.4  | 61.9   | 92.9  |       |
| 182     | 2.6   | 1.9    | 2.9   |       |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 48.67 ng

RT: 10.55 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF085284.D

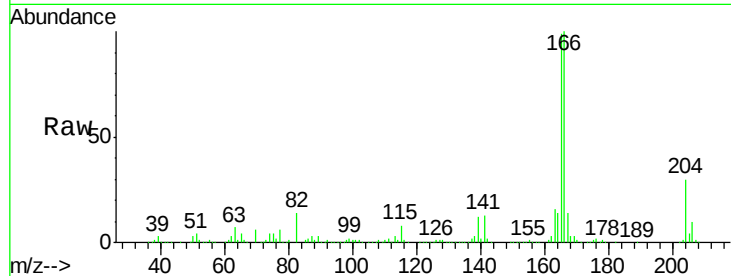
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

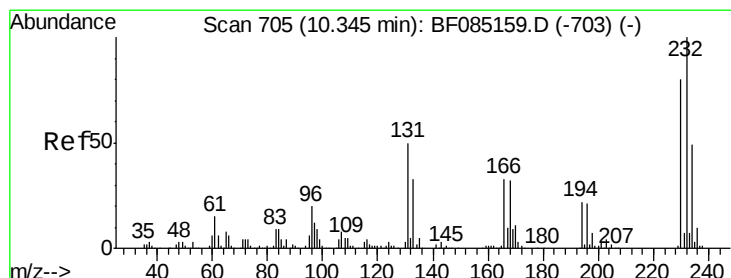
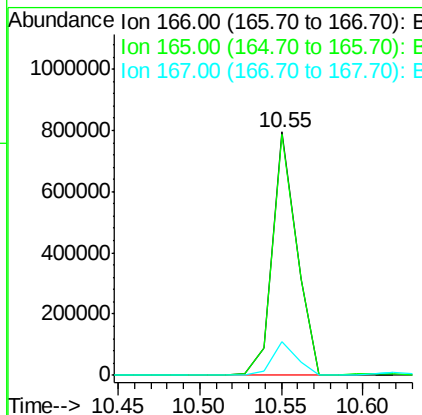
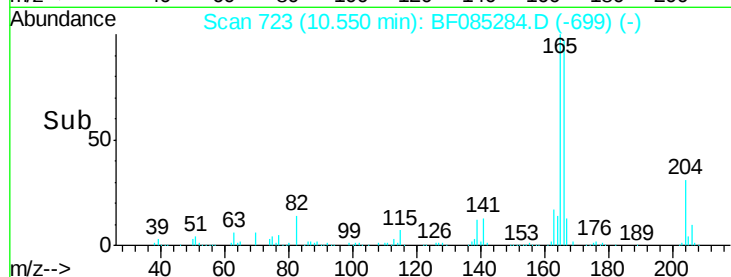
SB-41COMP(0.5-5.0)MSD



| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 99.1  | 79.4 | 119.0 |       |
| 167     | 13.9  | 11.0 | 16.6  |       |

Manual Integrations  
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#58

2,3,4,6-Tetrachlorophenol

Concen: 50.46 ng

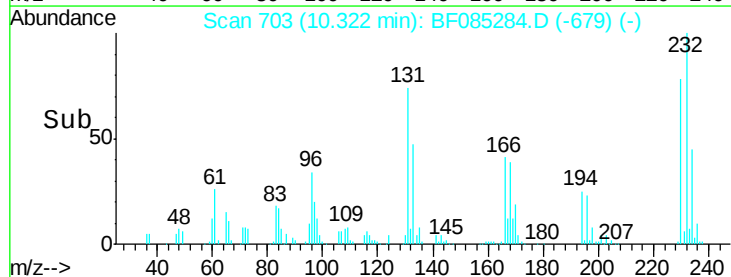
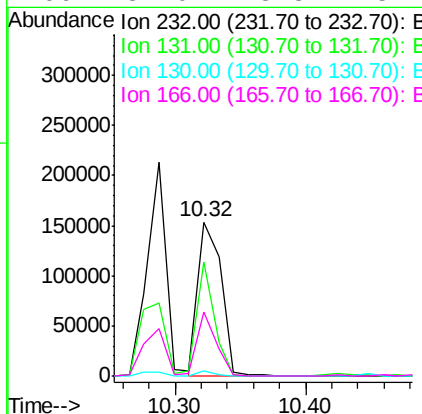
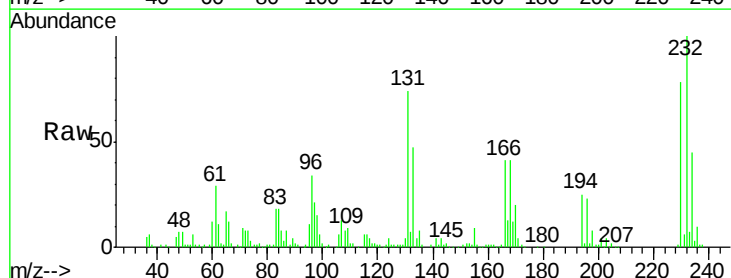
RT: 10.32 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 55.7  | 46.0 | 69.0  |       |
| 130     | 2.7   | 2.2  | 3.4   |       |
| 166     | 34.0  | 28.8 | 43.2  |       |





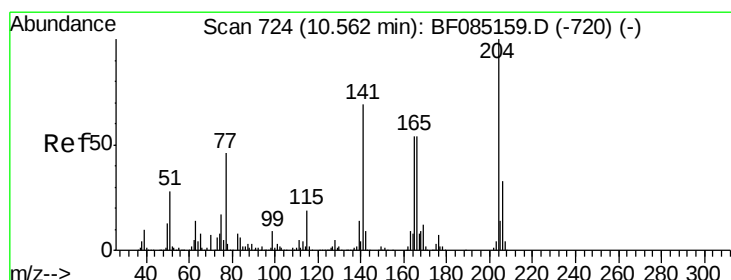
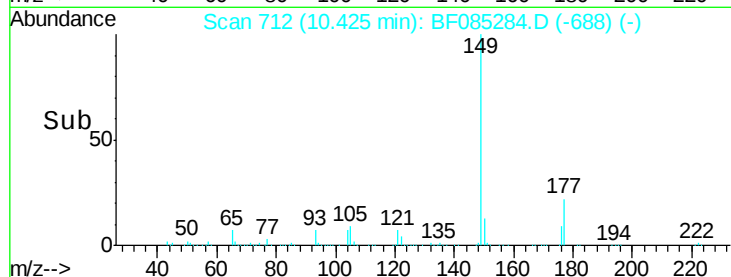
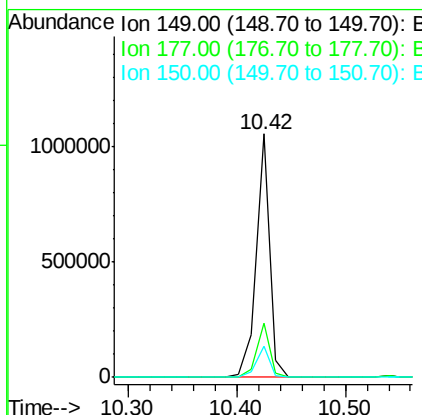
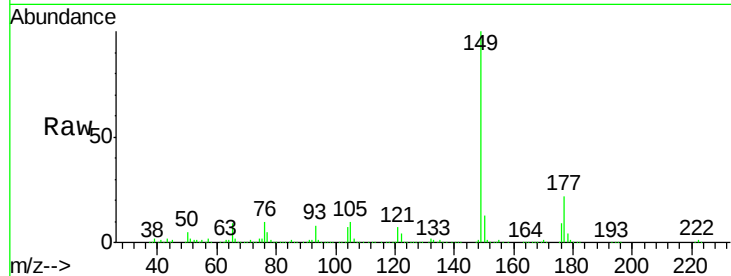
#59  
Diethylphthalate  
Concen: 45.64 ng  
RT: 10.42 min Scan# 712  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 910689 |       |       |
| 177     | 22.4  | 19.2   | 28.8  |       |
| 150     | 13.0  | 9.9    | 14.9  |       |

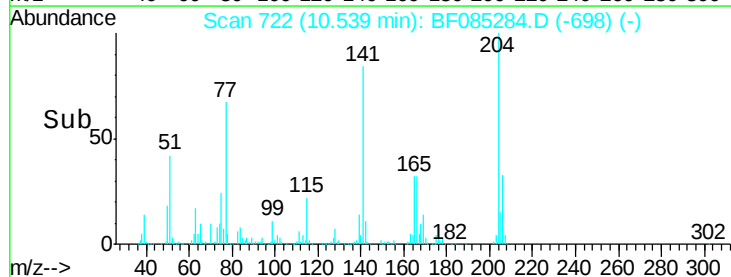
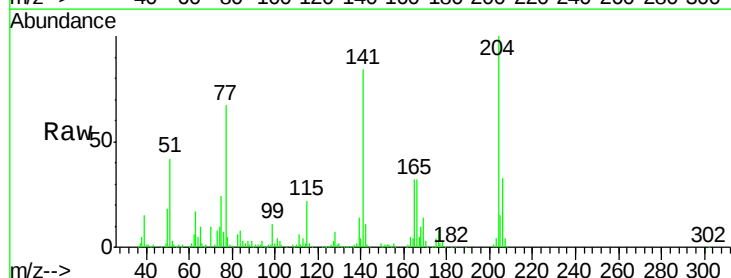
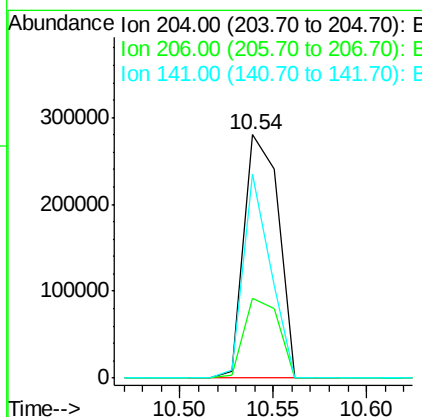
Manual Integrations  
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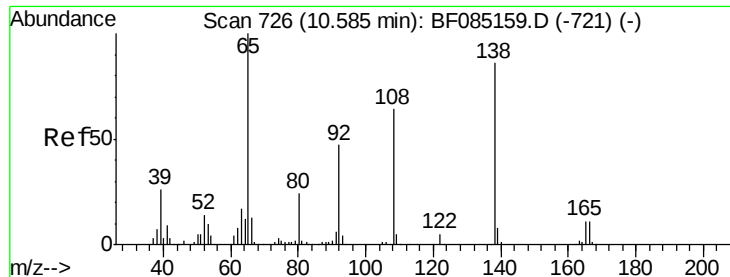
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#60  
4-Chlorophenyl-phenylether  
Concen: 43.99 ng  
RT: 10.54 min Scan# 722  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 363205 |       |       |
| 206     | 32.6  | 26.5   | 39.7  |       |
| 141     | 83.8  | 55.4   | 83.2# |       |





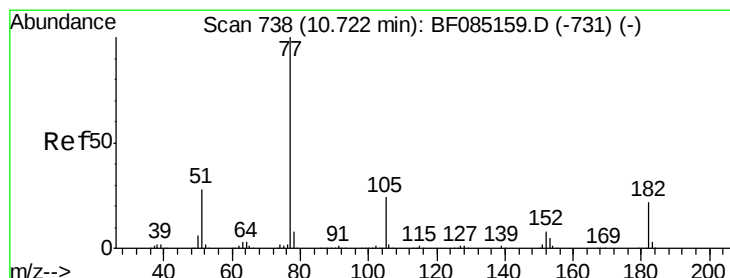
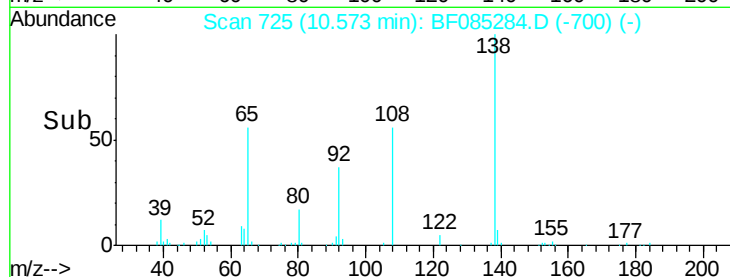
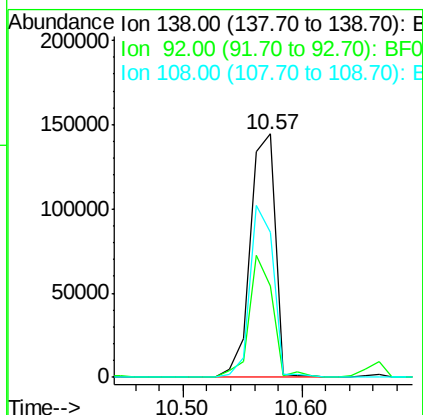
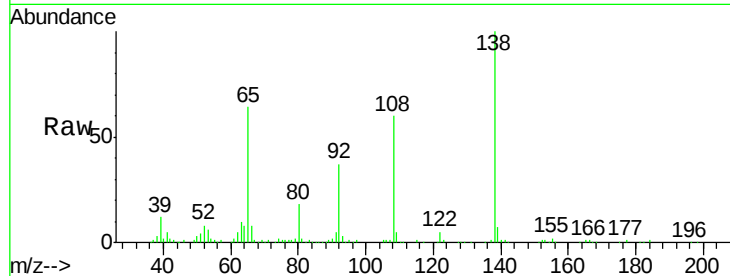
#61  
4-Nitroaniline  
Concen: 43.39 ng  
RT: 10.57 min Scan# 725  
Delta R.T. -0.01 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 213592 |       |       |
| 92      | 37.3  | 34.2   | 74.2  |       |
| 108     | 59.7  | 53.9   | 93.9  |       |

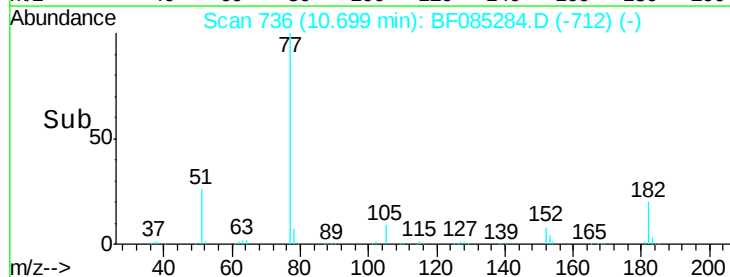
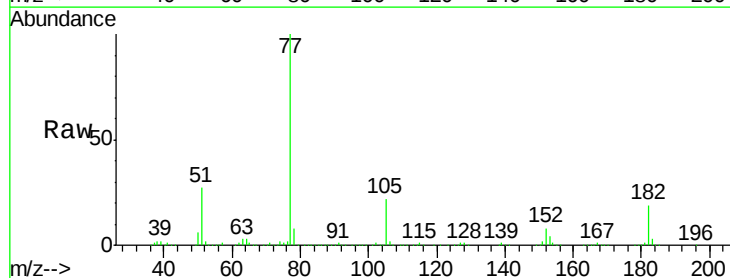
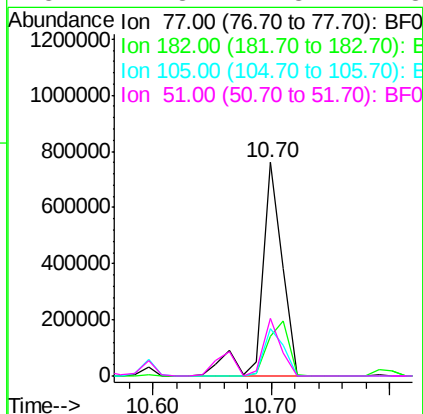
Manual Integrations  
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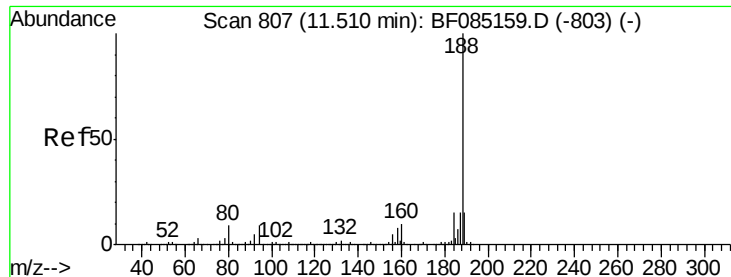
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#62  
Azobenzene  
Concen: 46.56 ng  
RT: 10.70 min Scan# 736  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 915372 |       |       |
| 182     | 18.6  | 2.1    | 42.1  |       |
| 105     | 21.9  | 3.8    | 43.8  |       |
| 51      | 27.3  | 7.8    | 47.8  |       |





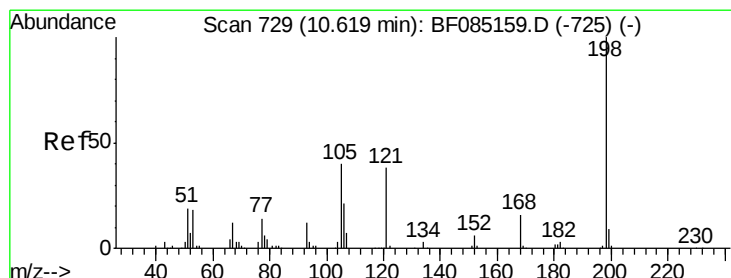
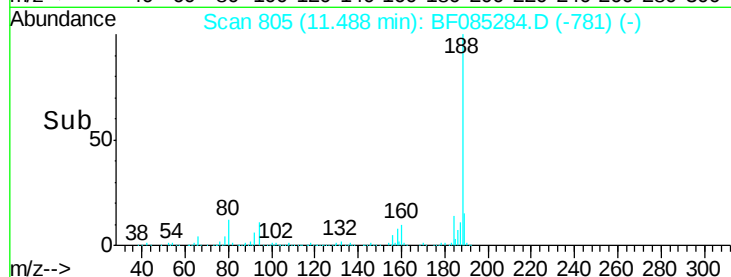
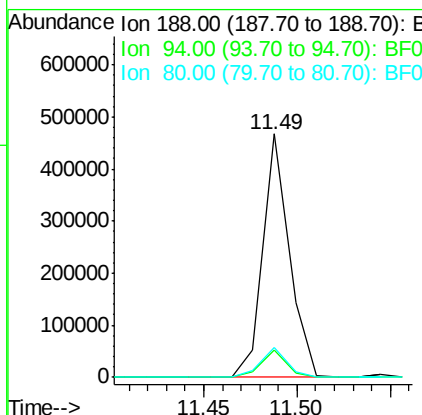
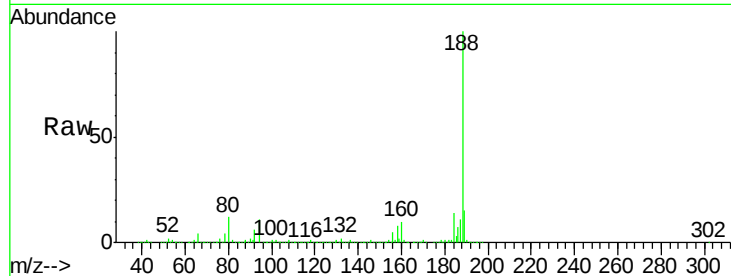
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.49 min Scan# 805  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 188 | 100  |       | 458765 |       |       |
| 94  | 11.1 | 7.0   |        | 10.6# |       |
| 80  | 12.4 | 7.4   |        | 11.0# |       |

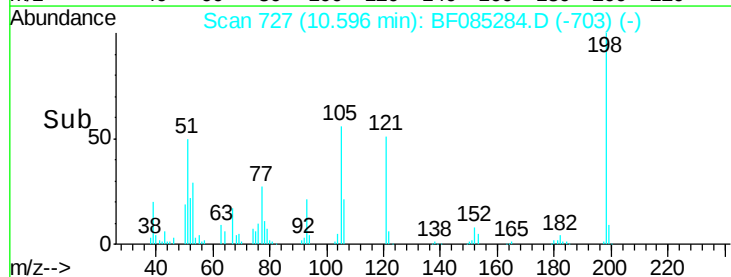
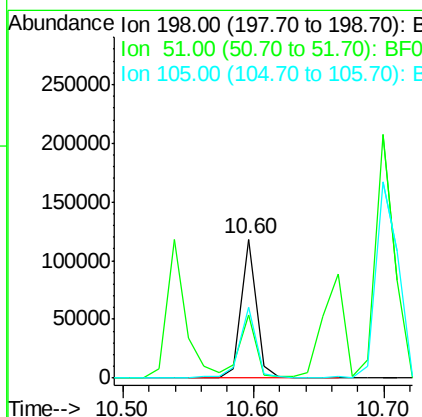
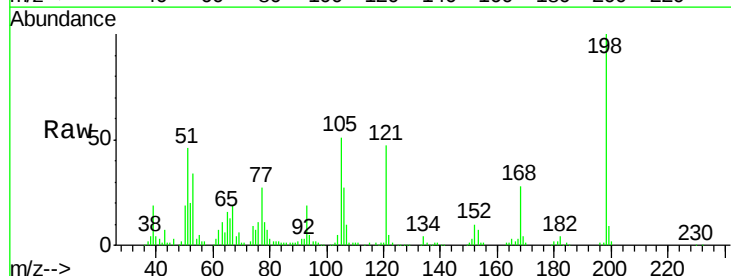
Manual Integrations  
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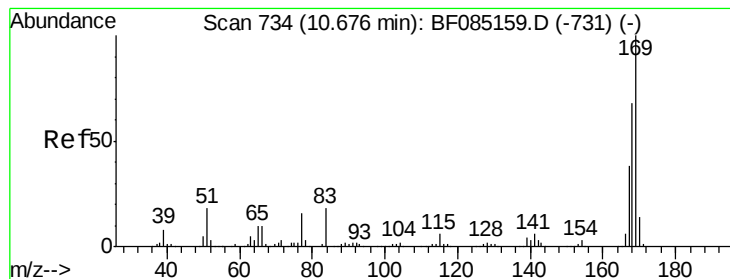
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 34.74 ng  
RT: 10.60 min Scan# 727  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt | Ion  | Ratio | Resp  | Lower | Upper |
|-----|------|-------|-------|-------|-------|
| 198 | 100  |       | 95419 |       |       |
| 51  | 45.5 | 9.5   |       | 49.5  |       |
| 105 | 51.3 | 20.5  |       | 60.5  |       |





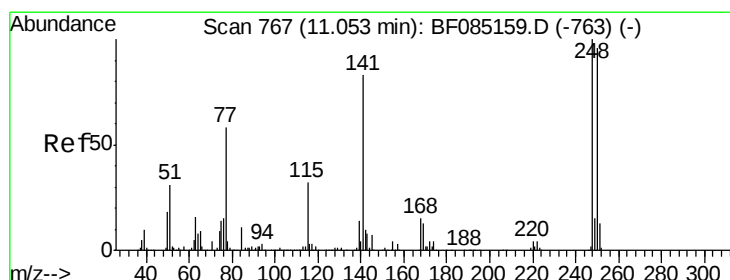
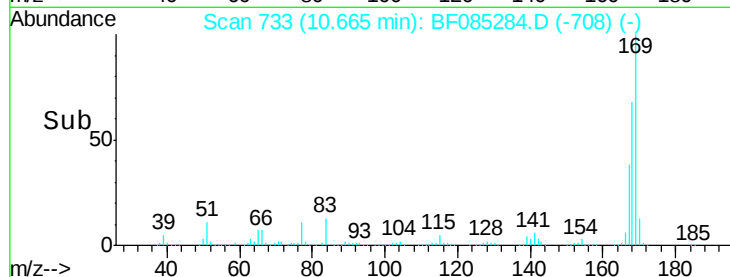
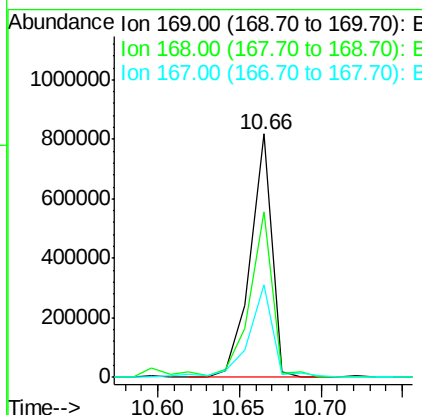
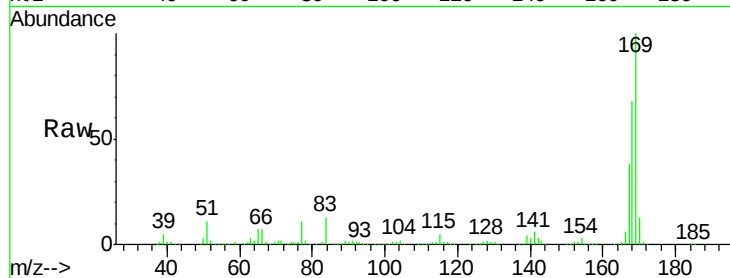
#65  
 n-Nitrosodiphenylamine  
 Concen: 52.98 ng  
 RT: 10.66 min Scan# 733  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 169     | 100   |            |            |
| 168     | 67.9  | 54.8       | 82.2       |
| 167     | 38.0  | 30.3       | 45.5       |

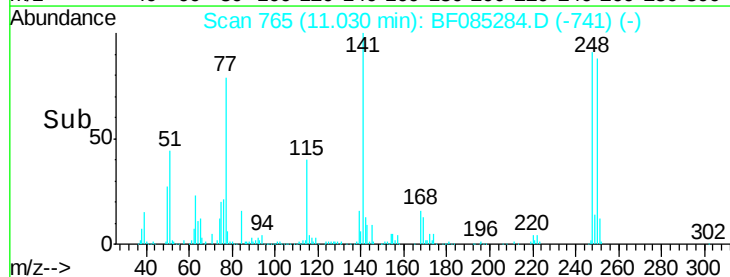
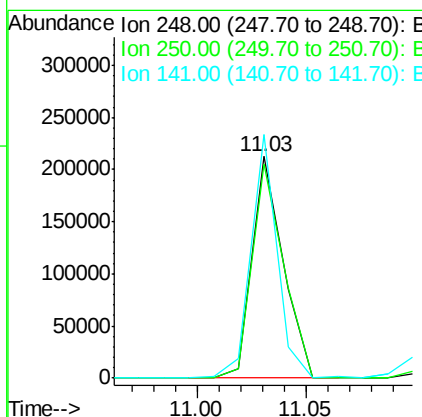
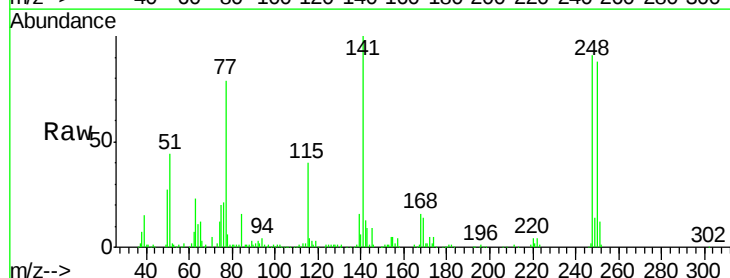
Manual Integrations  
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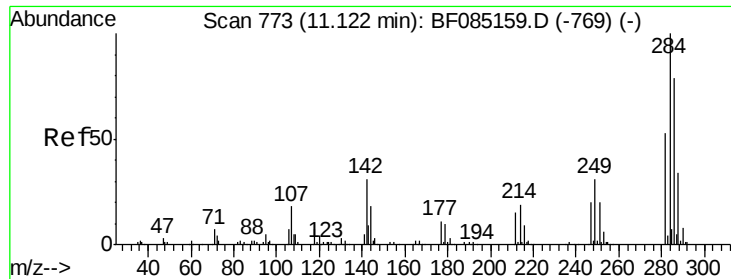
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#66  
 4-Bromophenyl-phenylether  
 Concen: 47.33 ng  
 RT: 11.03 min Scan# 765  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 248     | 100   |            |            |
| 250     | 96.5  | 77.1       | 115.7      |
| 141     | 109.9 | 66.2       | 99.2#      |





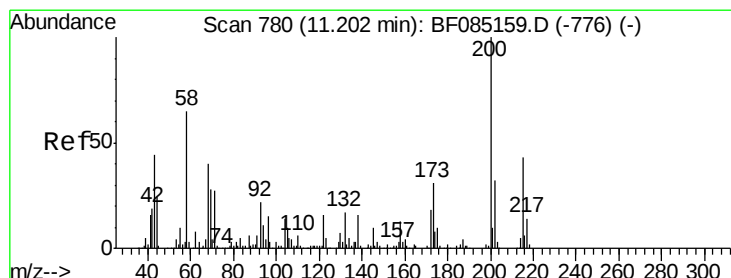
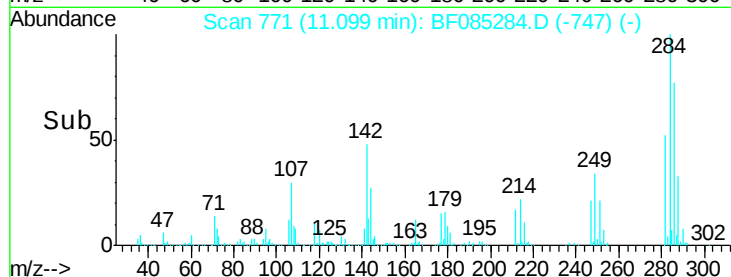
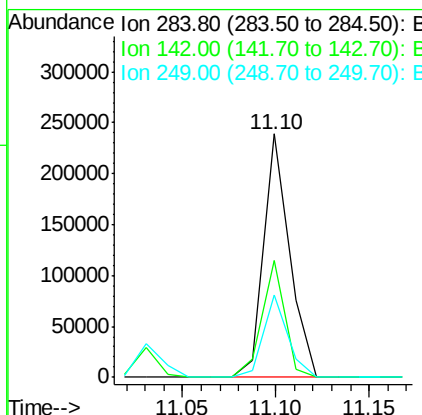
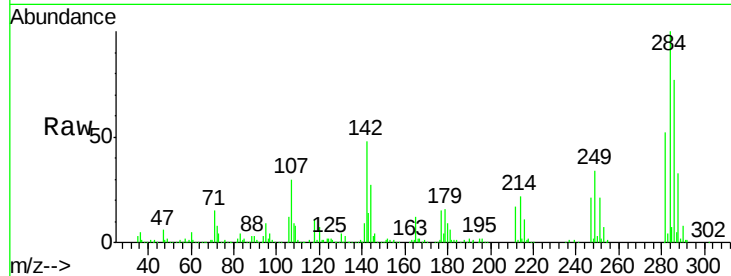
#67  
Hexachlorobenzene  
Concen: 47.86 ng  
RT: 11.10 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 284     | 100   |            |            |
| 142     | 48.0  | 24.9       | 37.3#      |
| 249     | 33.9  | 25.0       | 37.4       |

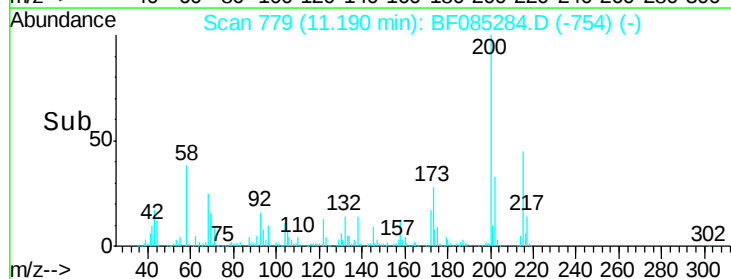
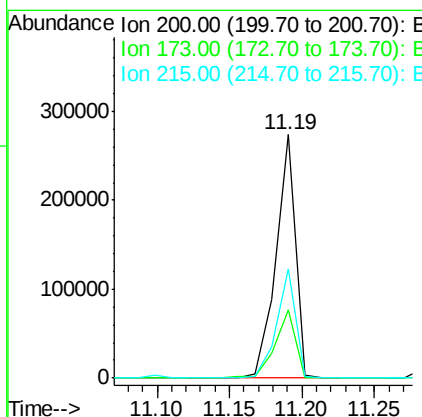
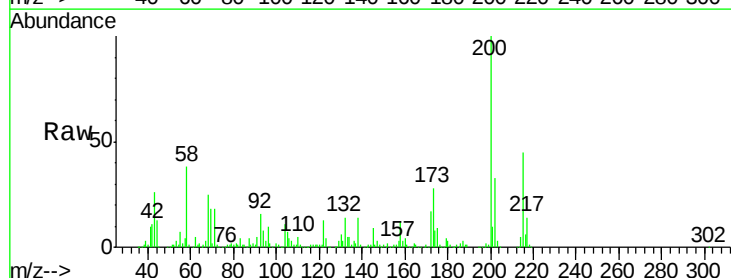
Manual Integrations  
APPROVED

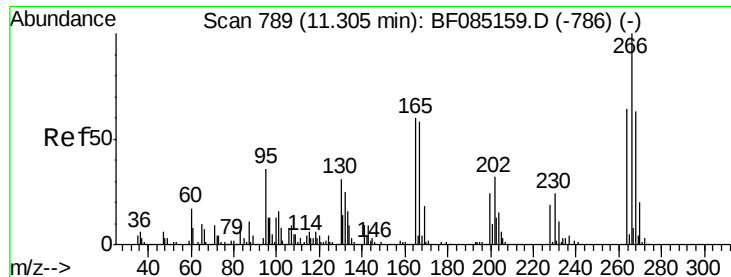
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#68  
Atrazine  
Concen: 64.11 ng  
RT: 11.19 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 28.3  | 10.5       | 50.5       |
| 215     | 45.1  | 23.4       | 63.4       |





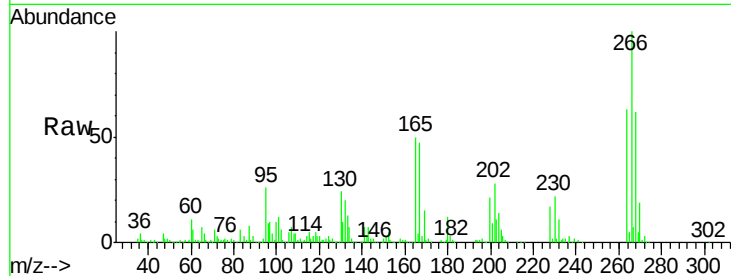
#69  
 Pentachlorophenol  
 Concen: 91.71 ng  
 RT: 11.29 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

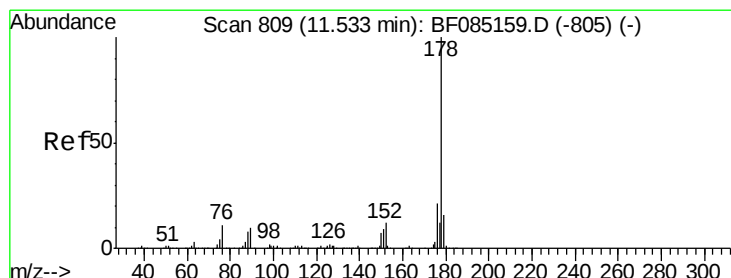
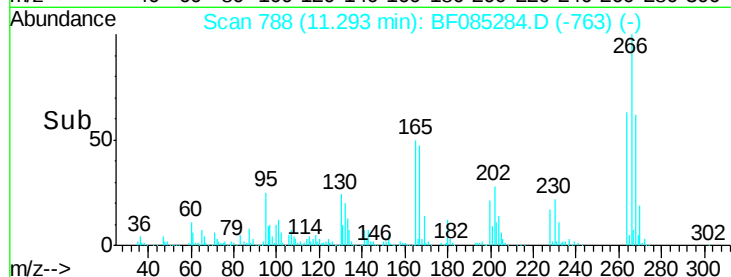
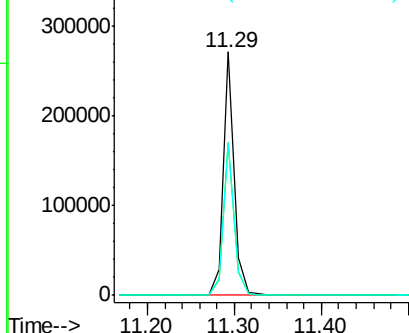
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 241908 |       |       |
| 268     | 62.5  | 50.0   | 75.0  |       |
| 264     | 62.6  | 51.4   | 77.2  |       |

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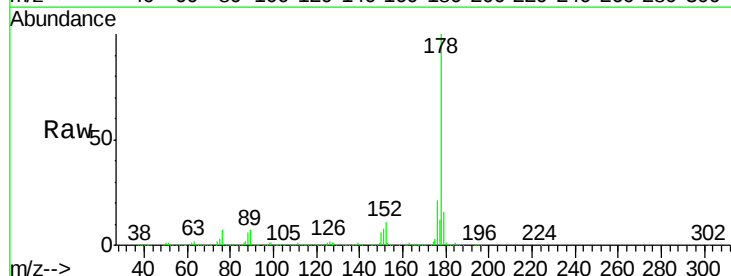


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

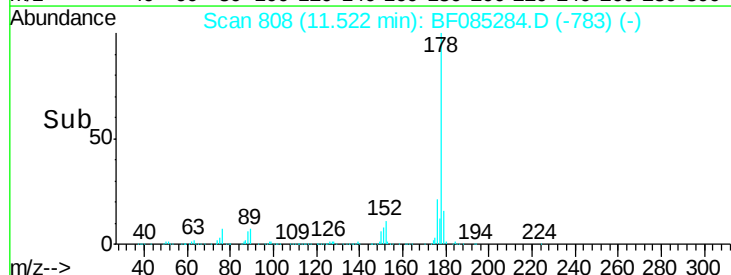
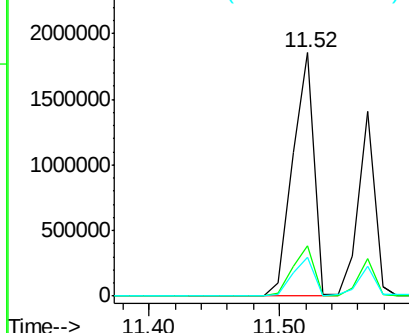


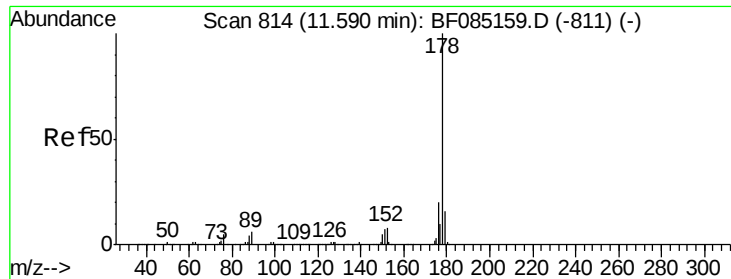
#70  
 Phenanthrene  
 Concen: 88.20 ng  
 RT: 11.52 min Scan# 808  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 2120479 |       |       |
| 176     | 20.8  | 16.8    | 25.2  |       |
| 179     | 16.2  | 13.1    | 19.7  |       |



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





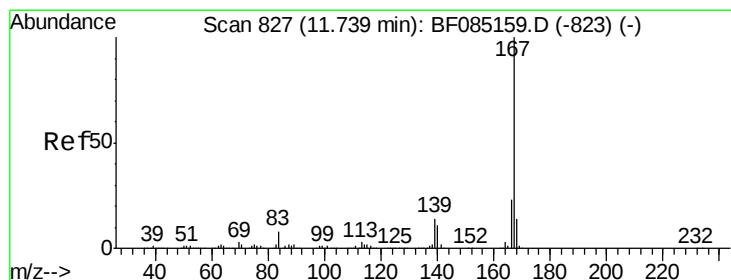
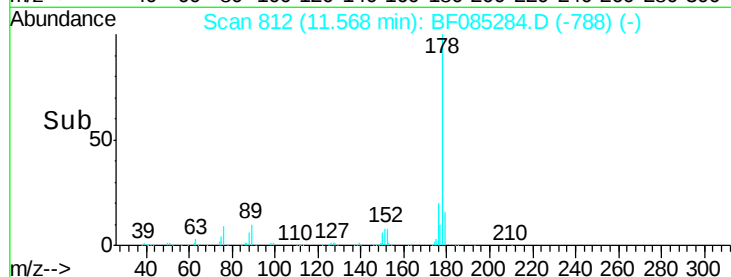
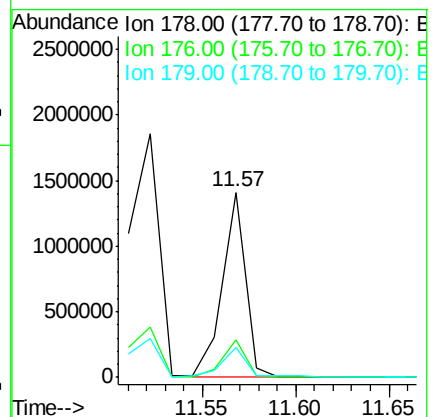
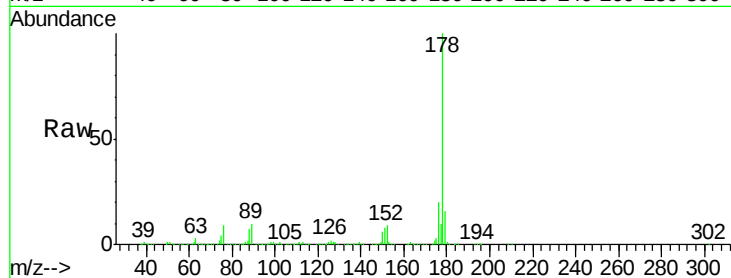
#71  
 Anthracene  
 Concen: 48.22 ng  
 RT: 11.57 min Scan# 812  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

Tgt Ion:178 Resp: 1230722  
 Ion Ratio Lower Upper  
 178 100  
 176 20.0 15.9 23.9  
 179 16.1 12.5 18.7

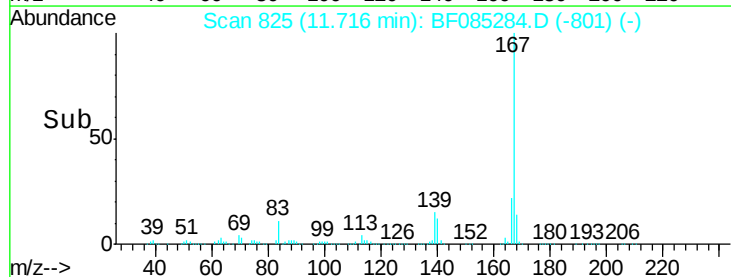
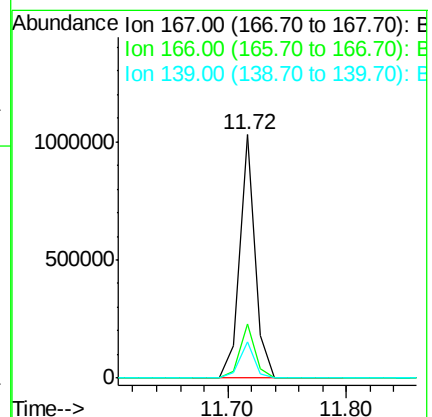
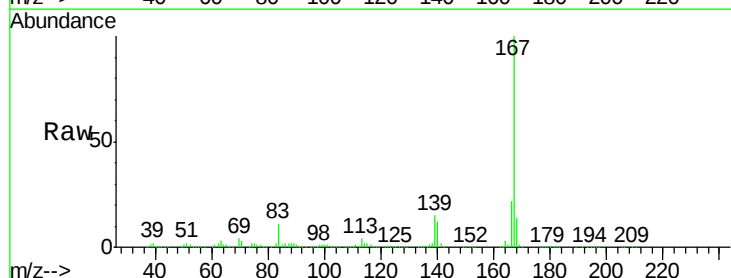
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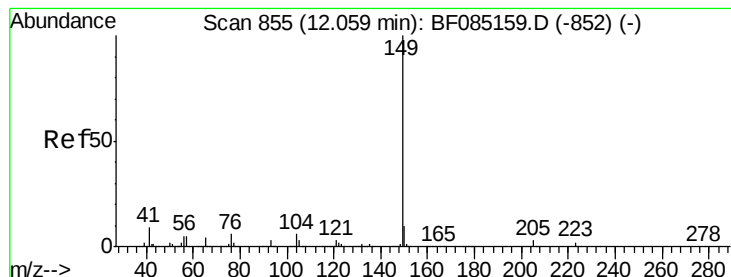
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#72  
 Carbazole  
 Concen: 41.71 ng  
 RT: 11.72 min Scan# 825  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Tgt Ion:167 Resp: 933570  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.2 27.2  
 139 14.9 11.4 17.0





#73

Di-n-butylphthalate

Concen: 43.89 ng

RT: 12.05 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF085284.D

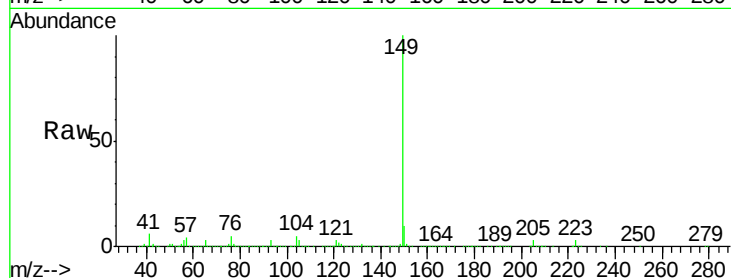
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

SB-41COMP(0.5-5.0)MSD



Tgt Ion:149 Resp: 1241650

Ion Ratio Lower Upper

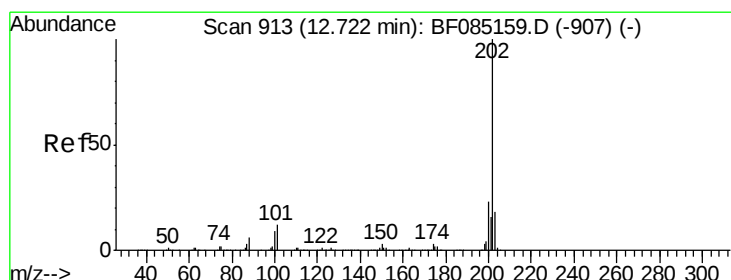
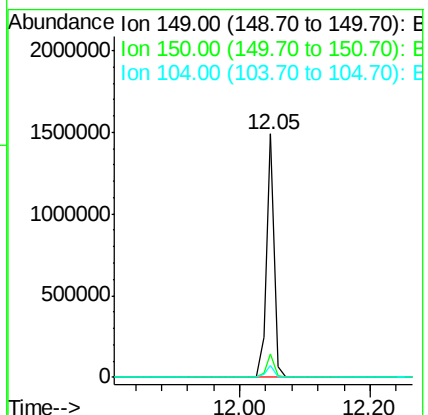
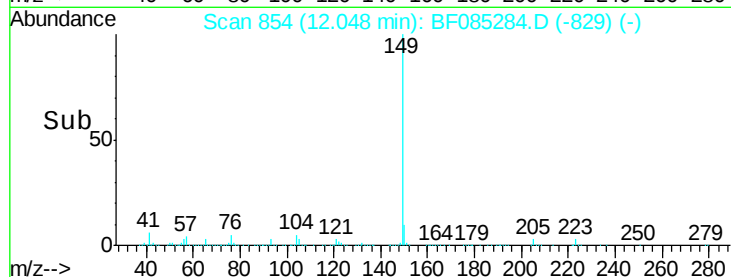
149 100

150 9.6 7.8 11.6

104 4.9 4.7 7.1

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#74

Fluoranthene

Concen: 78.89 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

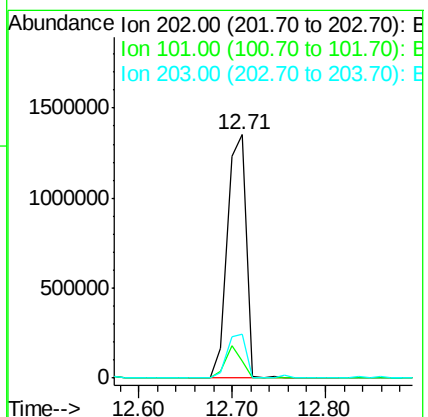
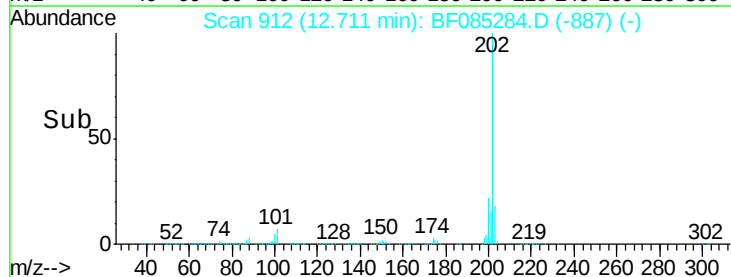
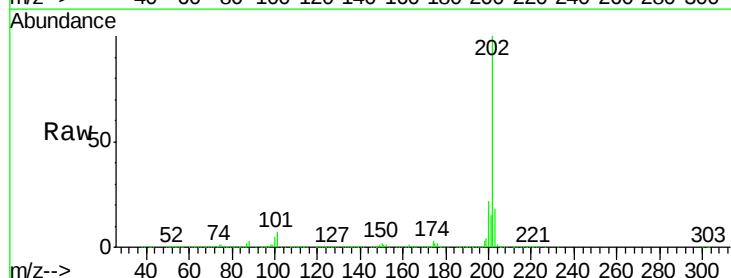
Tgt Ion:202 Resp: 1903564

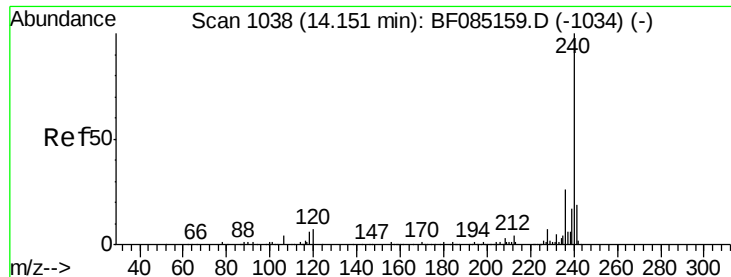
Ion Ratio Lower Upper

202 100

101 7.0 0.0 31.8

203 18.0 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

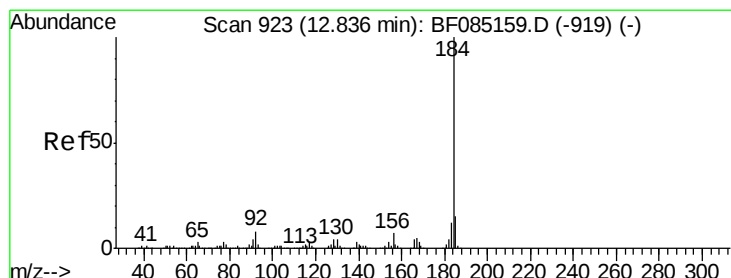
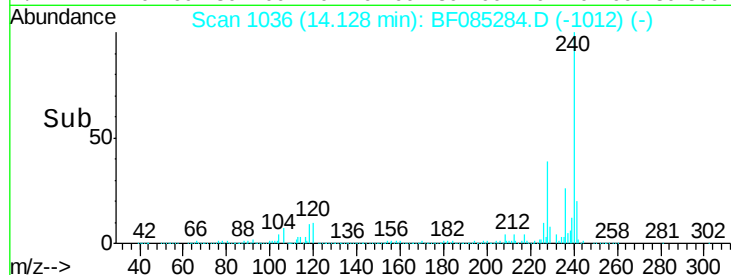
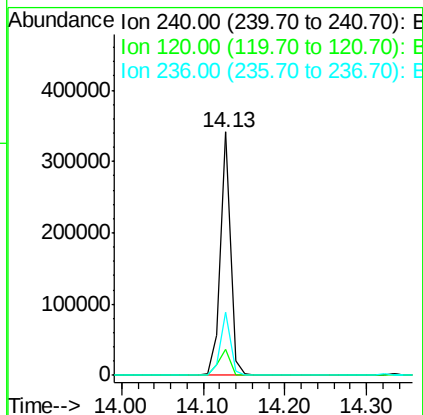
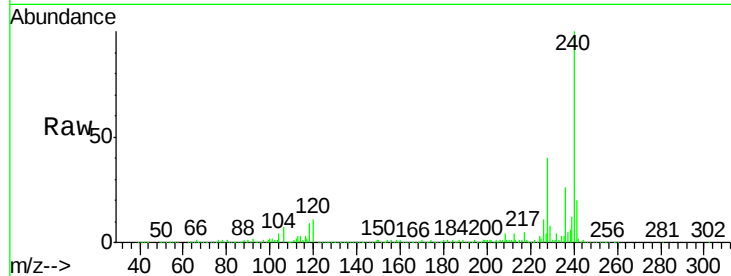
ClientSampleId :

SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 5.3   | 7.9#  |
| 236     | 25.9  | 20.7  | 31.1  |

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#76

Benzidine

Concen: 51.44 ng

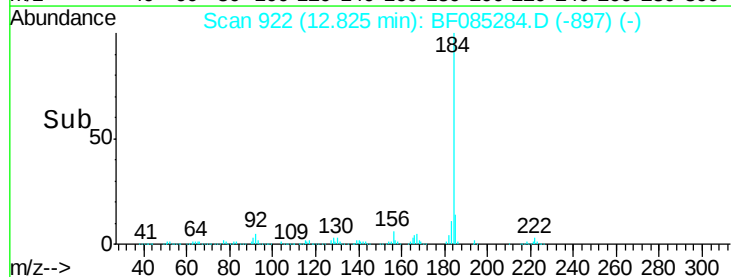
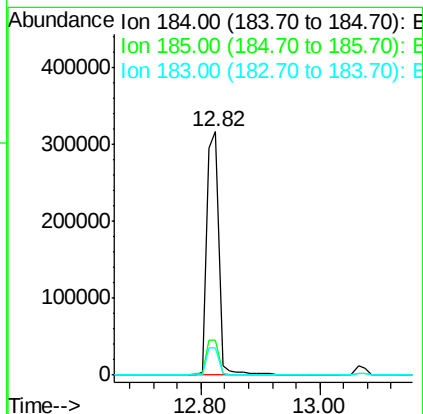
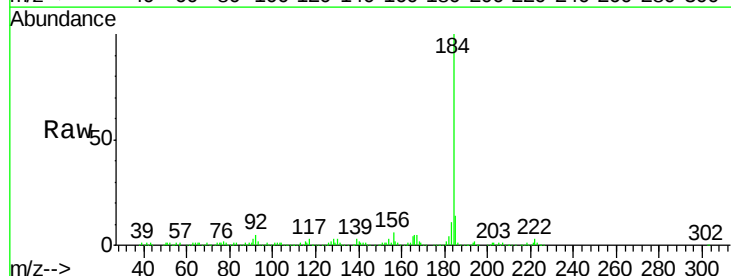
RT: 12.82 min Scan# 922

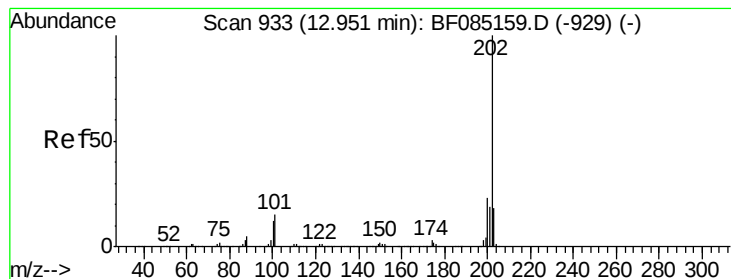
Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.3  | 12.4  | 18.6  |
| 183     | 11.4  | 9.4   | 14.2  |





#77

Pyrene

Concen: 84.81 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

SB-41COMP(0.5-5.0)MSD

Tgt Ion:202 Resp: 1882037

Ion Ratio Lower Upper

202 100

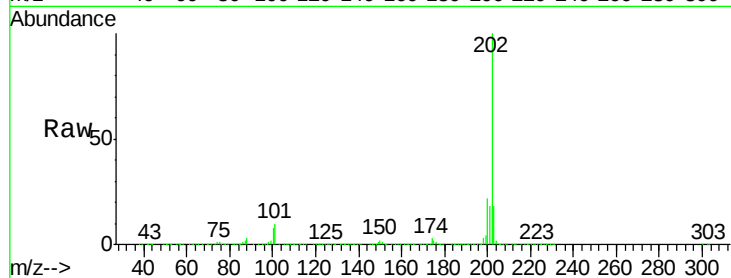
200 22.4 18.2 27.4

203 18.2 14.7 22.1

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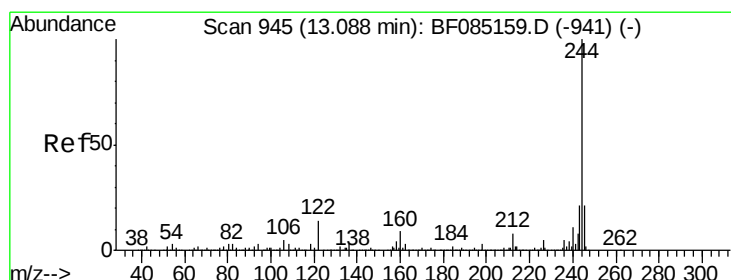
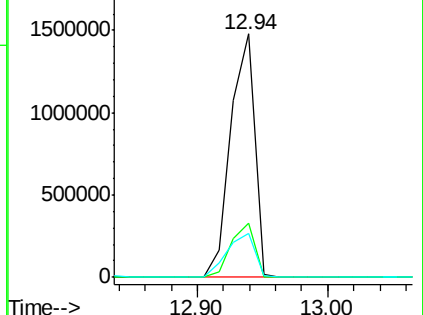
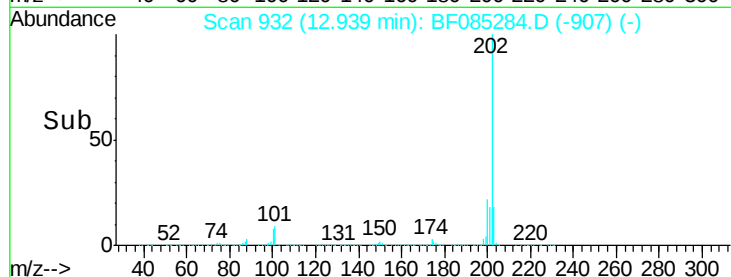
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 88.16 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

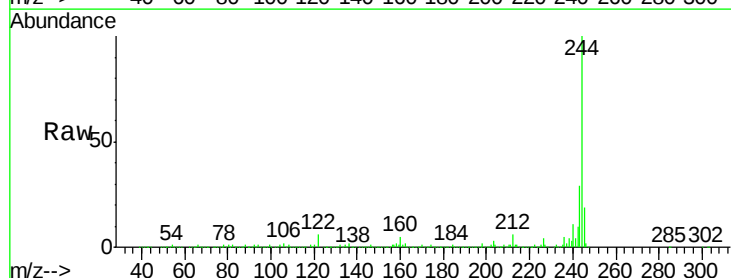
Tgt Ion:244 Resp: 1119750

Ion Ratio Lower Upper

244 100

212 6.4 6.4 9.6#

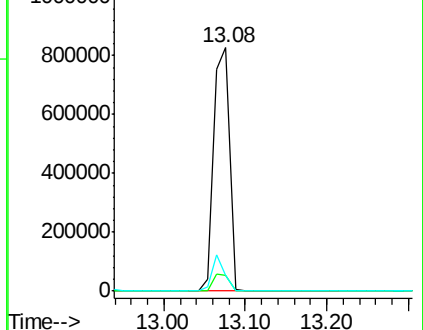
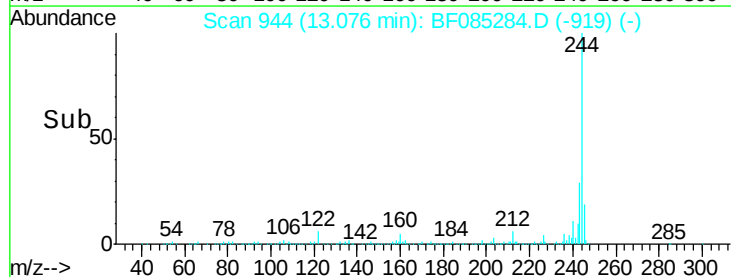
122 6.3 11.4 17.2#

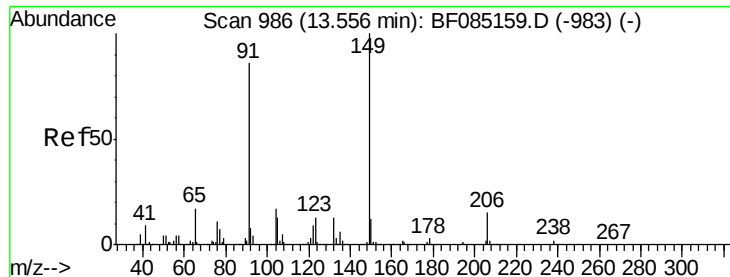


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 46.45 ng

RT: 13.54 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF085284.D

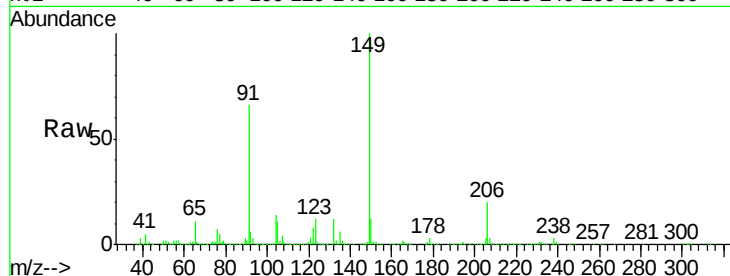
Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

SB-41COMP(0.5-5.0)MSD



Tgt Ion:149 Resp: 467775

Ion Ratio Lower Upper

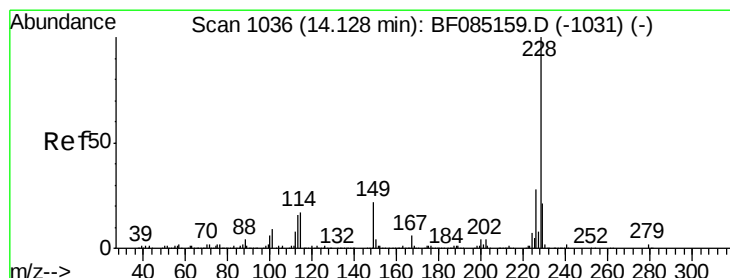
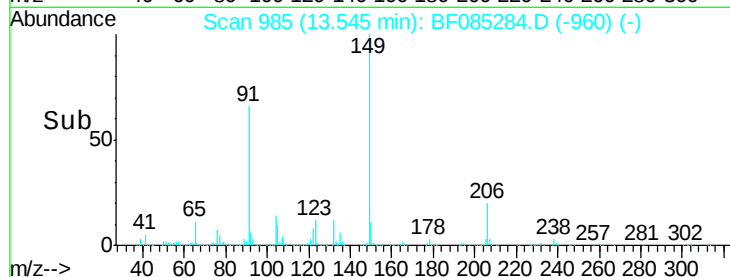
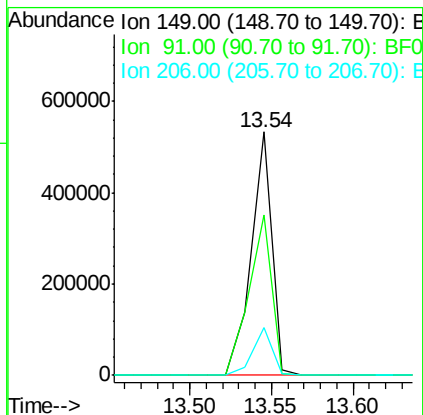
149 100

91 65.7 69.0 103.4#

206 19.6 12.3 18.5#

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#80

Benzo(a)anthracene

Concen: 60.23 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

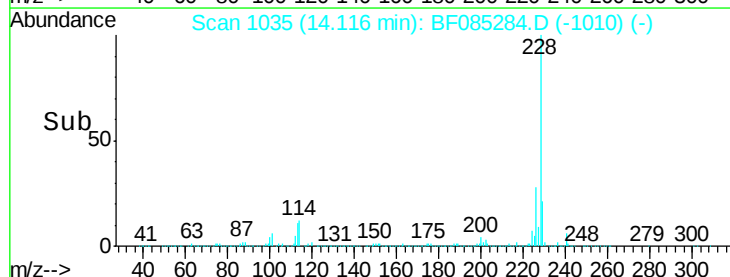
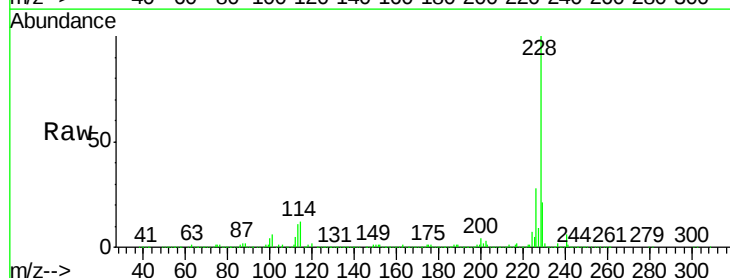
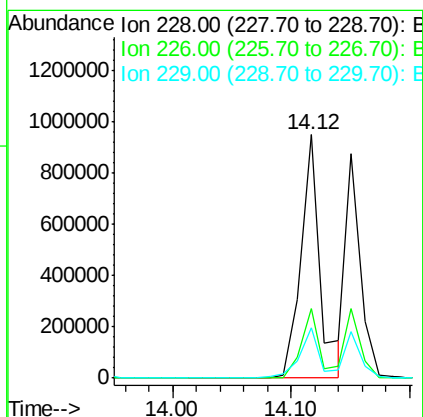
Tgt Ion:228 Resp: 1063128

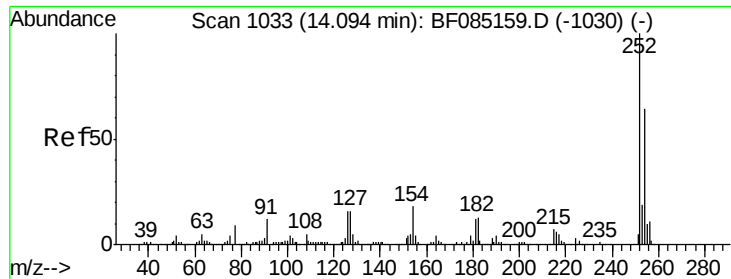
Ion Ratio Lower Upper

228 100

226 28.4 22.8 34.2

229 20.6 16.6 24.8





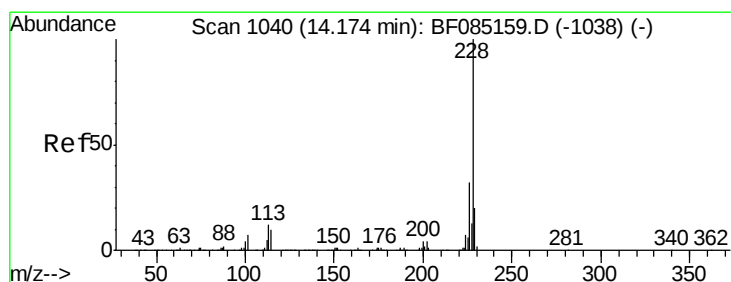
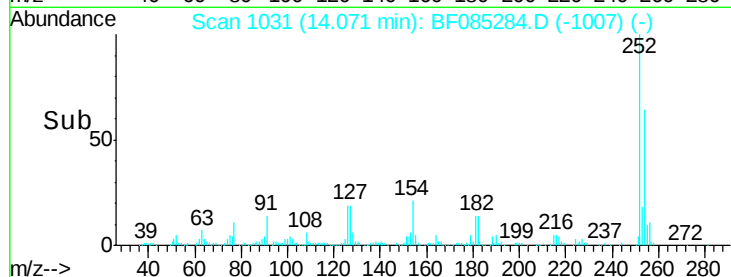
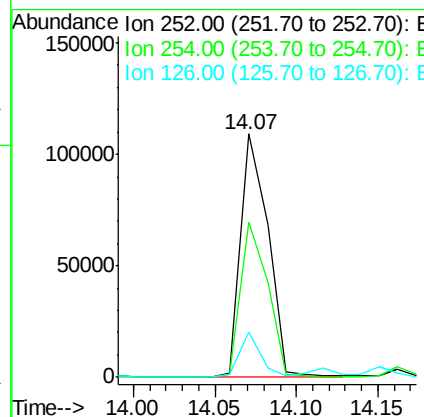
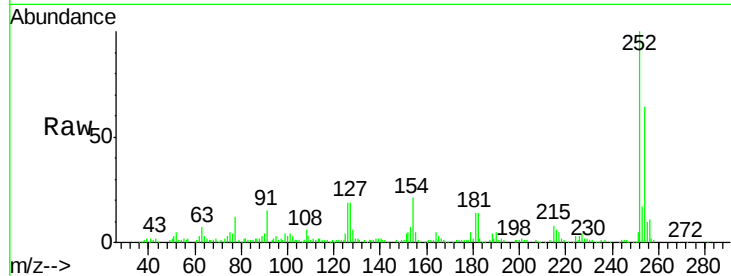
#81  
 3,3'-Dichlorobenzidine  
 Concen: 22.72 ng  
 RT: 14.07 min Scan# 1031  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 63.9  | 51.4       | 77.0  |
| 126     | 18.7  | 12.9       | 19.3  |

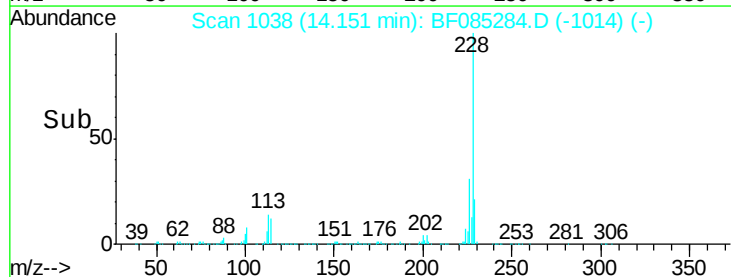
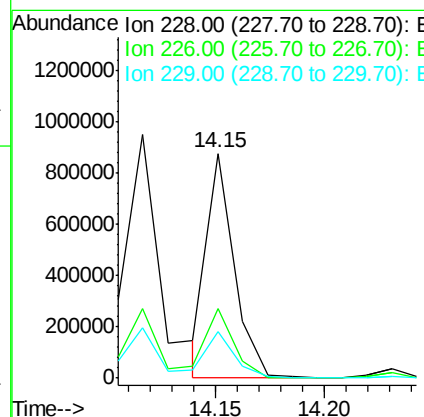
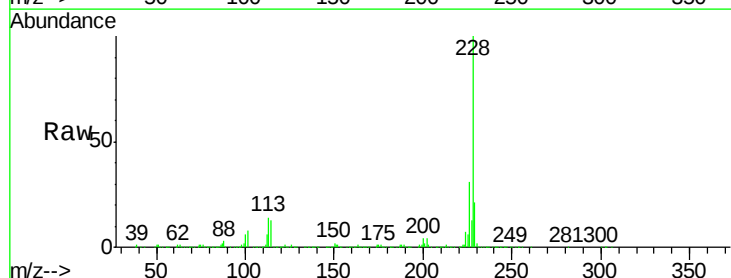
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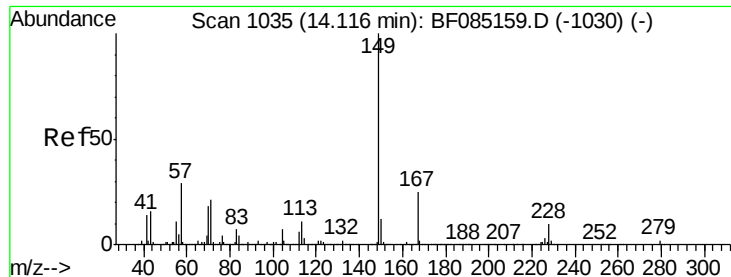
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#82  
 Chrysene  
 Concen: 46.80 ng  
 RT: 14.15 min Scan# 1038  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.1  | 25.2       | 37.8  |
| 229     | 20.9  | 16.0       | 24.0  |





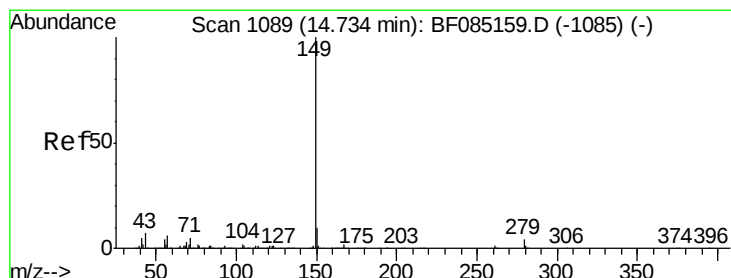
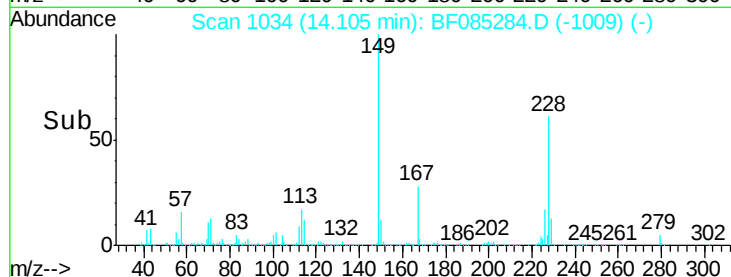
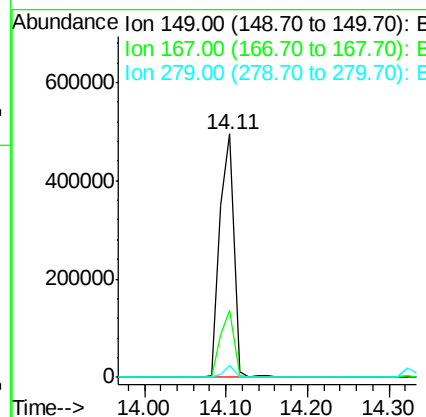
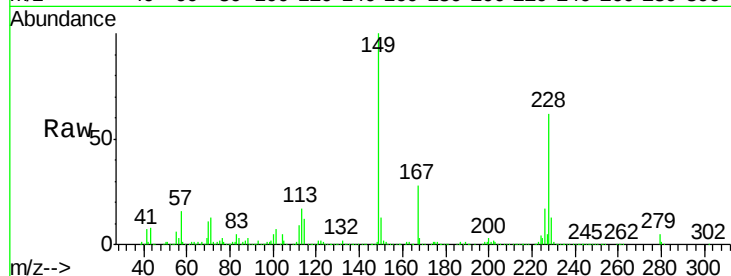
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.99 ng  
 RT: 14.11 min Scan# 1034  
 Delta R.T. -0.01 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 27.6  | 20.3       | 30.5       |
| 279     | 4.8   | 1.9        | 2.9        |

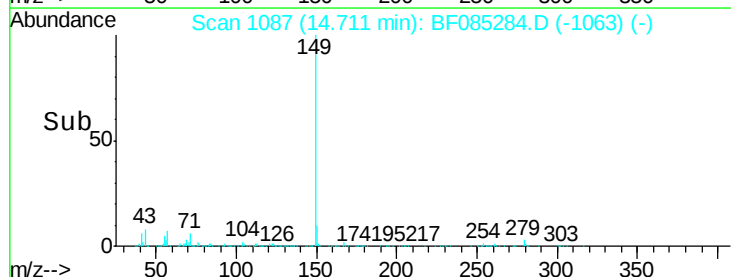
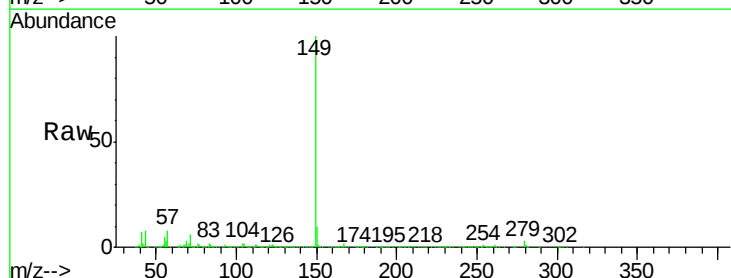
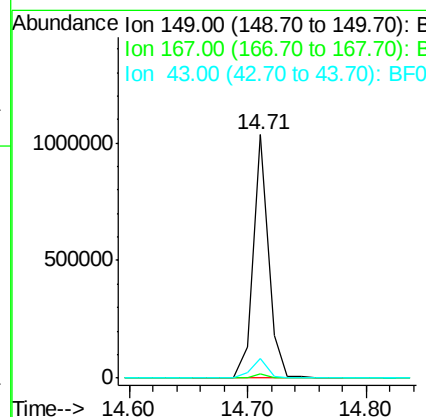
Manual Integrations  
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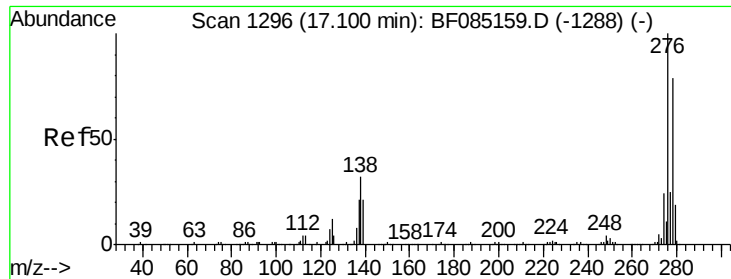
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#84  
 Di-n-octyl phthalate  
 Concen: 46.51 ng  
 RT: 14.71 min Scan# 1087  
 Delta R.T. -0.02 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 1.7   | 1.1        | 1.7        |
| 43      | 8.4   | 7.8        | 11.8       |





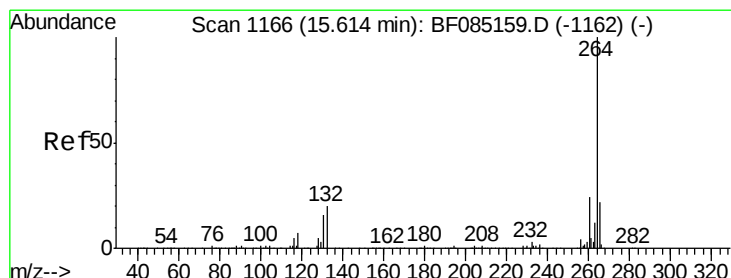
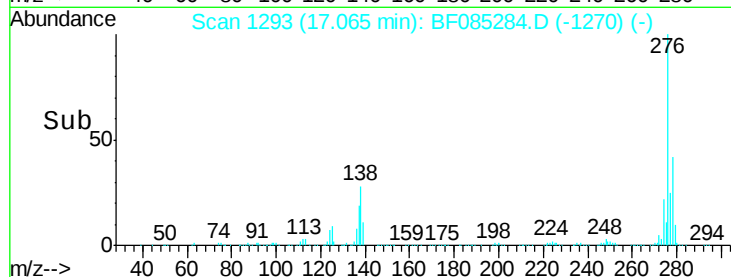
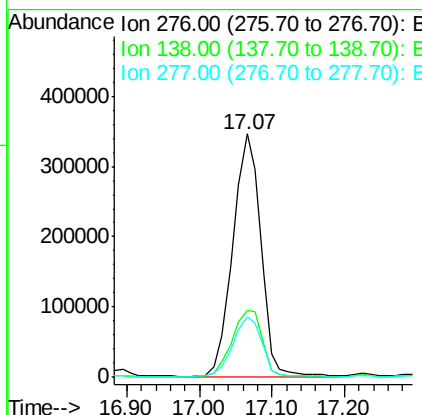
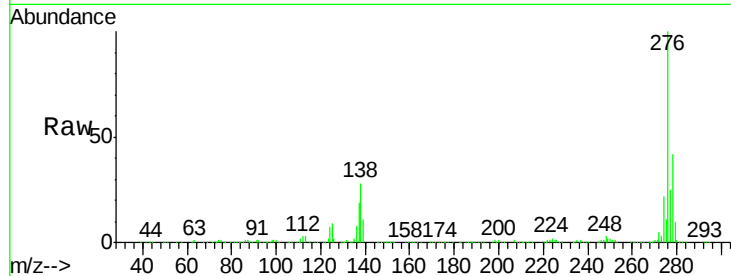
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 72.98 ng  
RT: 17.07 min Scan# 1293  
Delta R.T. -0.03 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 276 | 100  |       |       |       |
| 138 | 30.2 | 26.4  | 39.6  |       |
| 277 | 26.0 | 20.2  | 30.2  |       |

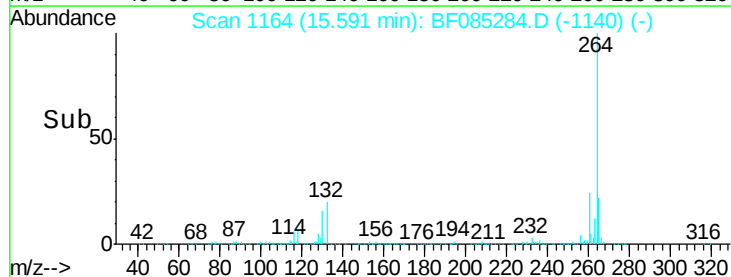
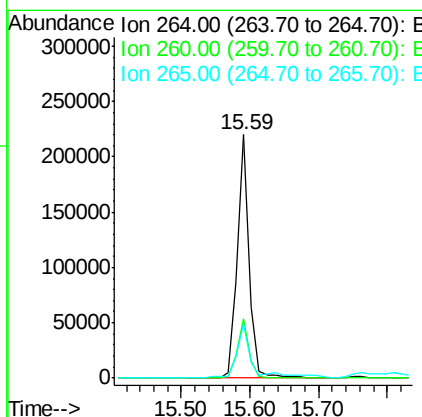
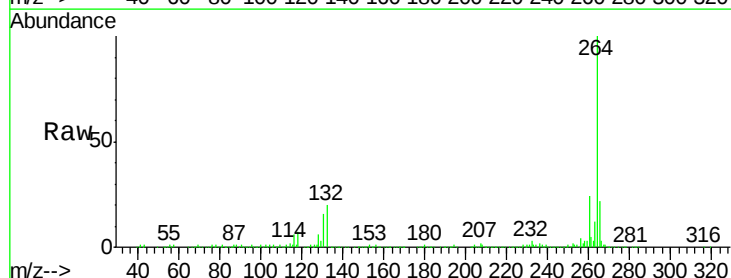
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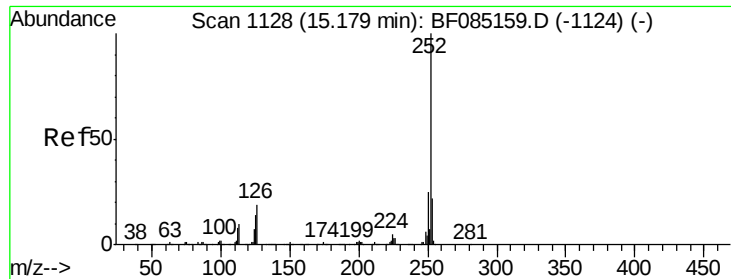
UMANGI  
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.59 min Scan# 1164  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 264 | 100  |       |       |       |
| 260 | 24.2 | 19.2  | 28.8  |       |
| 265 | 22.2 | 17.3  | 25.9  |       |





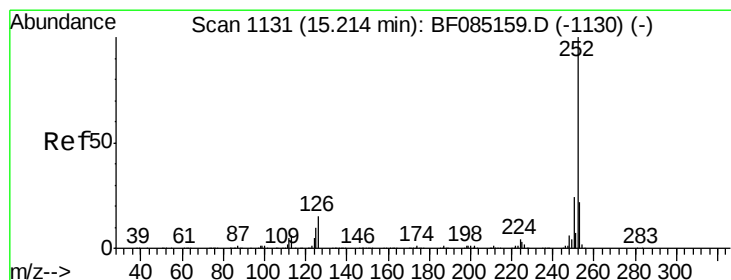
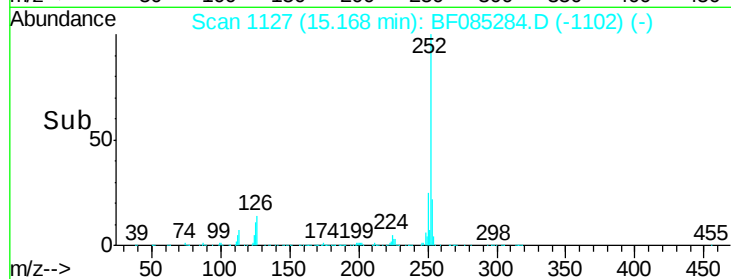
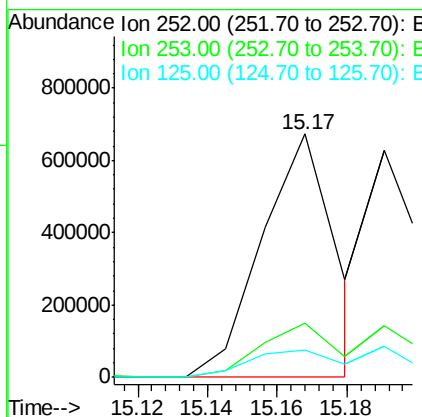
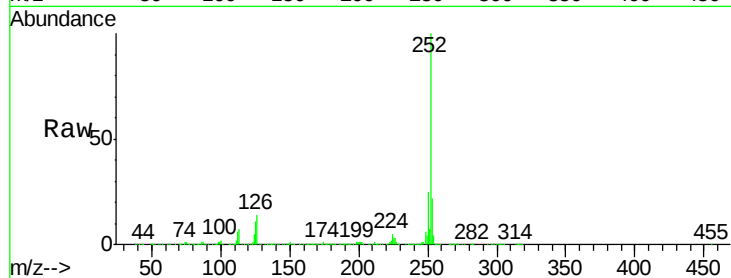
#87  
Benzo(b)fluoranthene  
Concen: 54.60 ng m  
RT: 15.17 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-41COMP(0.5-5.0)MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.8  | 26.6  |
| 125     | 11.1  | 11.3  | 16.9  |

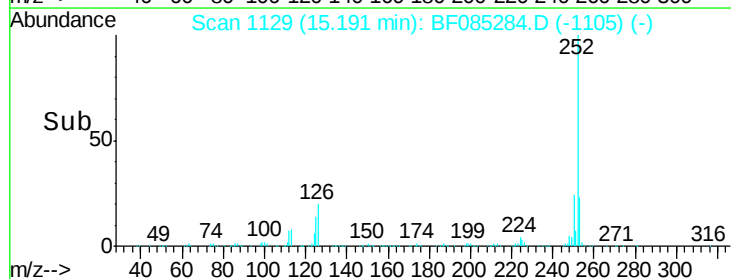
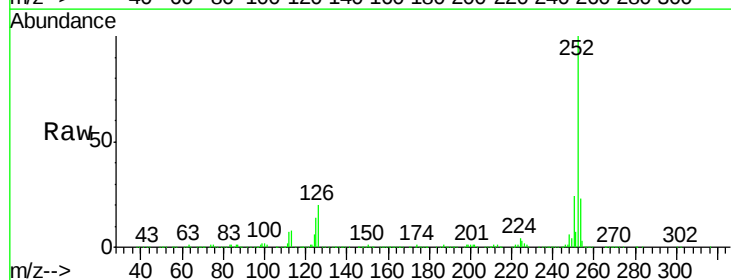
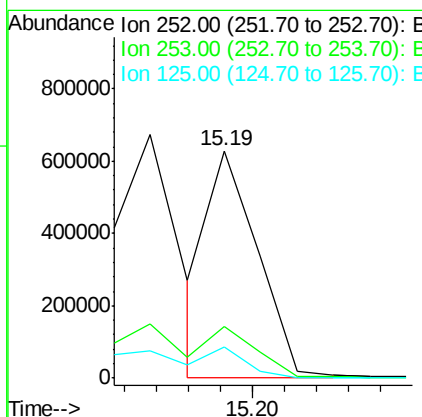
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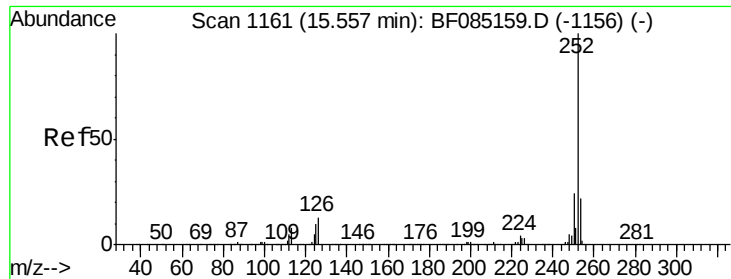
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#88  
Benzo(k)fluoranthene  
Concen: 46.94 ng m  
RT: 15.19 min Scan# 1129  
Delta R.T. -0.02 min  
Lab File: BF085284.D  
Acq: 9 Mar 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.8  | 26.6  |
| 125     | 13.7  | 10.4  | 15.6  |





#89

Benzo(a)pyrene

Concen: 58.01 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

Instrument :

BNA\_F

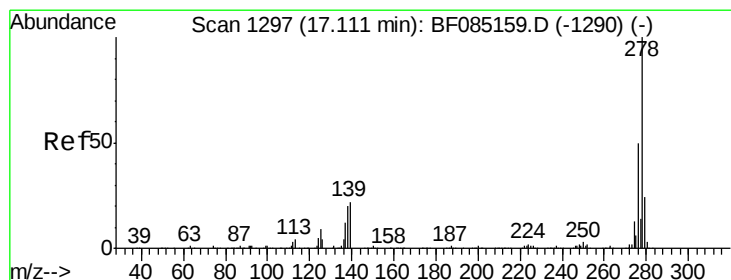
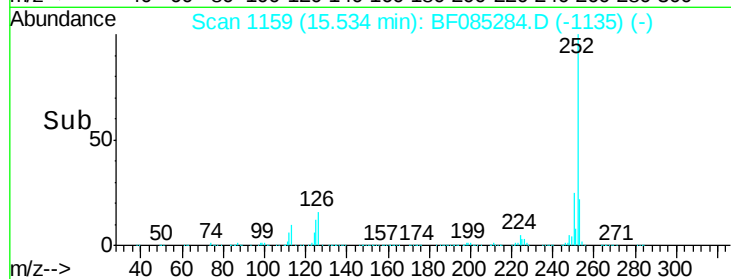
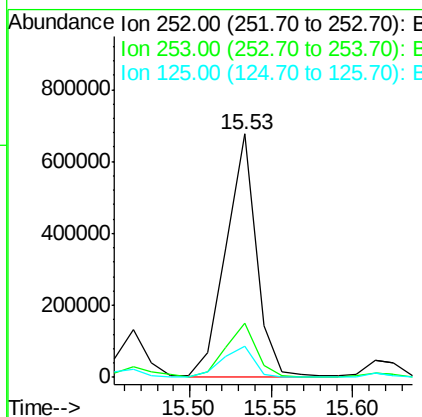
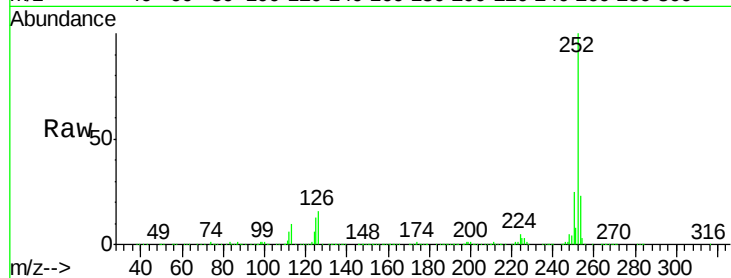
ClientSampleId :

SB-41COMP(0.5-5.0)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 867672 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.5  | 17.4  | 26.0   |
| 125       | 12.8  | 8.2   | 12.4   |

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#90

Dibenzo(a,h)anthracene

Concen: 55.57 ng

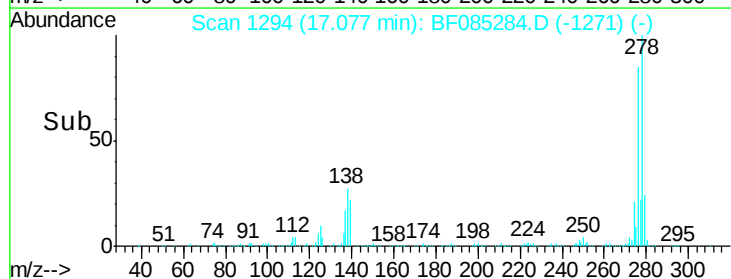
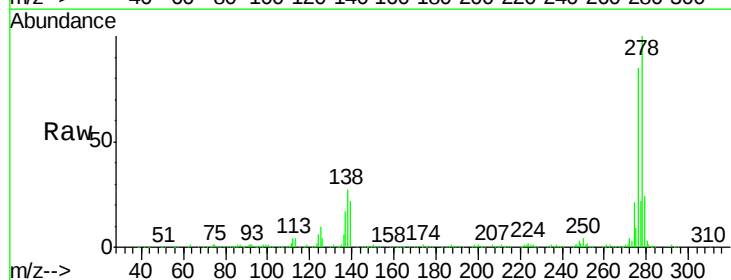
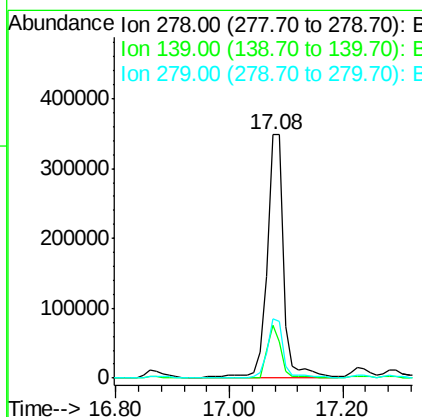
RT: 17.08 min Scan# 1294

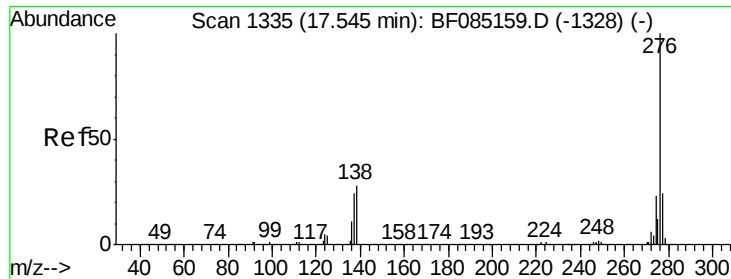
Delta R.T. -0.03 min

Lab File: BF085284.D

Acq: 9 Mar 2016 4:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 709459 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 21.9  | 17.3  | 25.9   |
| 279       | 24.2  | 19.2  | 28.8   |





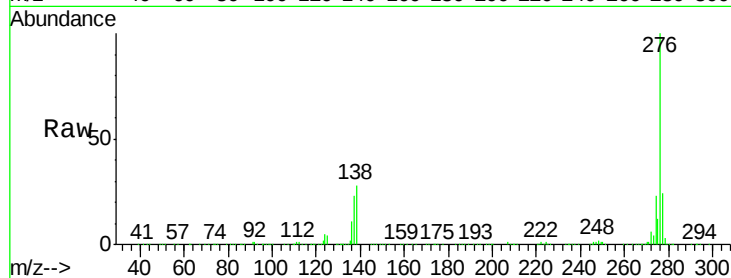
#91  
 Benzo(g,h,i)perylene  
 Concen: 62.02 ng  
 RT: 17.51 min Scan# 1332  
 Delta R.T. -0.03 min  
 Lab File: BF085284.D  
 Acq: 9 Mar 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-41COMP(0.5-5.0)MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 276  | Resp: | 796148 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 23.9 | 19.0  | 28.4   |
| 138       | 27.5 | 22.5  | 33.7   |

Manual Integrations  
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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

