

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\  
 Data File : BF090876.D  
 Acq On : 27 Oct 2016 19:41  
 Operator : UM/SJ  
 Sample : PB94343BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94343BS

Manual Integrations  
 APPROVED

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 10/28/2016 5:22:15 PM

Quant Time: Oct 28 01:26:27 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 27 18:46:43 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.77  | 152  | 141933   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.06  | 136  | 555099   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.81  | 164  | 298543   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 524922   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.94 | 240  | 400042   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.35 | 264  | 297702   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.38  | 112 | 1095927 | 135.00 | ng | 0.01  |
| 7) Phenol-d6                | 6.42  | 99  | 1259569 | 115.01 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.34  | 82  | 806129  | 95.07  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330 | 450705  | 146.90 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.14  | 172 | 1551196 | 91.24  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.89 | 244 | 1823047 | 114.81 | ng | -0.01 |

|                                |      |     |         |        |    |        |
|--------------------------------|------|-----|---------|--------|----|--------|
| Target Compounds               |      |     |         |        |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.38 | 88  | 162535  | 39.16  | ng | # 73   |
| 3) Pyridine                    | 3.07 | 79  | 405821  | 36.05  | ng | # 65   |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 132072  | 41.67  | ng | # 55   |
| 6) Aniline                     | 6.44 | 93  | 299902  | 23.97  | ng | # 80   |
| 8) 2-Chlorophenol              | 6.56 | 128 | 415741  | 41.51  | ng | # 95   |
| 9) Benzaldehyde                | 6.32 | 77  | 60151   | 10.63  | ng | # 76   |
| 10) Phenol                     | 6.43 | 94  | 525566  | 43.55  | ng | # 66   |
| 11) bis(2-Chloroethyl)ether    | 6.51 | 93  | 418252  | 41.89  | ng | # 90   |
| 12) 1,3-Dichlorobenzene        | 6.72 | 146 | 465281  | 45.42  | ng | # 97   |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146 | 472902  | 43.90  | ng | # 88   |
| 14) 1,2-Dichlorobenzene        | 6.94 | 146 | 483248  | 46.80  | ng | # 94   |
| 15) Benzyl Alcohol             | 6.92 | 79  | 349796  | 48.63  | ng | # 77   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45  | 514573  | 51.78  | ng | # 70   |
| 17) 2-Methylphenol             | 7.04 | 107 | 352689  | 46.30  | ng | # 83   |
| 18) Hexachloroethane           | 7.29 | 117 | 169525  | 43.24  | ng | # 76   |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 289788  | 45.77  | ng | # 68   |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 410457  | 46.54  | ng | # 77   |
| 22) Acetophenone               | 7.18 | 105 | 556033  | 48.69  | ng | # 83   |
| 24) Nitrobenzene               | 7.36 | 77  | 387047  | 43.15  | ng | # 71   |
| 25) Isophorone                 | 7.60 | 82  | 789984  | 45.91  | ng | # 89   |
| 26) 2-Nitrophenol              | 7.68 | 139 | 223196  | 46.45  | ng | # 71   |
| 27) 2,4-Dimethylphenol         | 7.72 | 122 | 360349  | 46.32  | ng | # 80   |
| 28) bis(2-Chloroethoxy)methane | 7.81 | 93  | 469015  | 47.92  | ng | # 93   |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 351118  | 48.75  | ng | # 98   |
| 30) 1,2,4-Trichlorobenzene     | 8.01 | 180 | 392424  | 47.15  | ng | # 100  |
| 31) Naphthalene                | 8.09 | 128 | 1229855 | 47.40  | ng | # 98   |
| 32) Benzoic acid               | 7.86 | 122 | 207169  | 36.68  | ng | # 69   |
| 33) 4-Chloroaniline            | 8.14 | 127 | 112684  | 10.75  | ng | # 95   |
| 34) Hexachlorobutadiene        | 8.20 | 225 | 213732  | 43.67  | ng | # 99   |
| 35) Caprolactam                | 8.51 | 113 | 109441m | 48.95  | ng | # 82   |
| 36) 4-Chloro-3-methylphenol    | 8.62 | 107 | 358616  | 45.78  | ng | # 90   |
| 37) 2-Methylnaphthalene        | 8.77 | 142 | 768171  | 45.84  | ng | # 99   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 406539  | 49.64  | ng | # 99   |
| 40) Hexachlorocyclopentadiene  | 8.93 | 237 | 448638  | 119.07 | ng | # 97   |

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Manual Integrations  
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 10/28/2016 5:22:15 PM

Quant Time: Oct 28 01:26:27 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 27 18:46:43 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.06  | 196  | 268904   | 50.86  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 273374   | 50.20  | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.24  | 154  | 1028947  | 47.85  | nq    | 94       |
| 46) 2-Chloronaphthalene        | 9.26  | 162  | 810758   | 49.56  | nq    | 93       |
| 47) 2-Nitroaniline             | 9.37  | 65   | 209680   | 45.43  | nq    | 91       |
| 48) Acenaphthylene             | 9.68  | 152  | 1147853  | 46.35  | nq    | 96       |
| 49) Dimethylphthalate          | 9.55  | 163  | 968807   | 48.57  | nq    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 220425   | 50.04  | nq    | # 90     |
| 51) Acenaphthene               | 9.85  | 154  | 799758   | 46.88  | nq    | 89       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 89007    | 18.98  | nq    | # 86     |
| 53) 2,4-Dinitrophenol          | 9.88  | 184  | 201849   | 87.04  | nq    | # 73     |
| 54) Dibenzofuran               | 10.02 | 168  | 1063325  | 48.30  | nq    | # 85     |
| 55) 4-Nitrophenol              | 9.95  | 139  | 308926   | 108.02 | nq    | # 81     |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 255964   | 46.77  | nq    | # 78     |
| 57) Fluorene                   | 10.36 | 166  | 790343   | 43.83  | nq    | 92       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.14 | 232  | 248606   | 51.12  | nq    | 94       |
| 59) Diethylphthalate           | 10.25 | 149  | 949714   | 47.94  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204  | 437363   | 49.69  | nq    | 95       |
| 61) 4-Nitroaniline             | 10.40 | 138  | 197510   | 42.52  | nq    | # 72     |
| 62) Azobenzene                 | 10.52 | 77   | 882846   | 45.32  | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 144910   | 41.64  | nq    | # 77     |
| 65) n-Nitrosodiphenylamine     | 10.48 | 169  | 723164   | 44.97  | nq    | 92       |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 255934   | 44.52  | nq    | # 85     |
| 67) Hexachlorobenzene          | 10.91 | 284  | 308883   | 45.40  | nq    | # 88     |
| 68) Atrazine                   | 11.01 | 200  | 271585   | 54.60  | nq    | 86       |
| 69) Pentachlorophenol          | 11.10 | 266  | 309198   | 84.72  | nq    | 99       |
| 70) Phenanthrene               | 11.32 | 178  | 1217729  | 45.55  | nq    | 95       |
| 71) Anthracene                 | 11.38 | 178  | 1384685  | 49.19  | nq    | 98       |
| 72) Carbazole                  | 11.53 | 167  | 1161430  | 46.72  | nq    | # 94     |
| 73) Di-n-butylphthalate        | 11.87 | 149  | 1580761  | 49.33  | nq    | # 98     |
| 74) Fluoranthene               | 12.51 | 202  | 1392562  | 47.57  | nq    | 90       |
| 76) Benzidine                  | 12.64 | 184  | 365303   | 41.82  | nq    | 97       |
| 77) Pyrene                     | 12.74 | 202  | 1404259  | 55.47  | nq    | 96       |
| 79) Butylbenzylphthalate       | 13.37 | 149  | 617951   | 53.80  | nq    | # 87     |
| 80) Benzo(a)anthracene         | 13.93 | 228  | 1045705  | 49.25  | nq    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 13.89 | 252  | 216989   | 26.33  | nq    | # 93     |
| 82) Chrysene                   | 13.96 | 228  | 1103830  | 51.40  | nq    | 94       |
| 83) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 797400   | 53.31  | nq    | 97       |
| 84) Di-n-octyl phthalate       | 14.53 | 149  | 1200051  | 47.78  | nq    | # 86     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.69 | 276  | 932533   | 49.00  | nq    | # 90     |
| 87) Benzo(b)fluoranthene       | 14.95 | 252  | 879127m  | 43.92  | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.97 | 252  | 790445m  | 49.97  | nq    |          |
| 89) Benzo(a)pyrene             | 15.29 | 252  | 808986   | 47.03  | nq    | # 85     |
| 90) Dibenzo(a,h)anthracene     | 16.72 | 278  | 785598   | 53.95  | nq    | # 81     |
| 91) Benzo(g,h,i)perylene       | 17.11 | 276  | 772841   | 56.35  | nq    | # 78     |

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

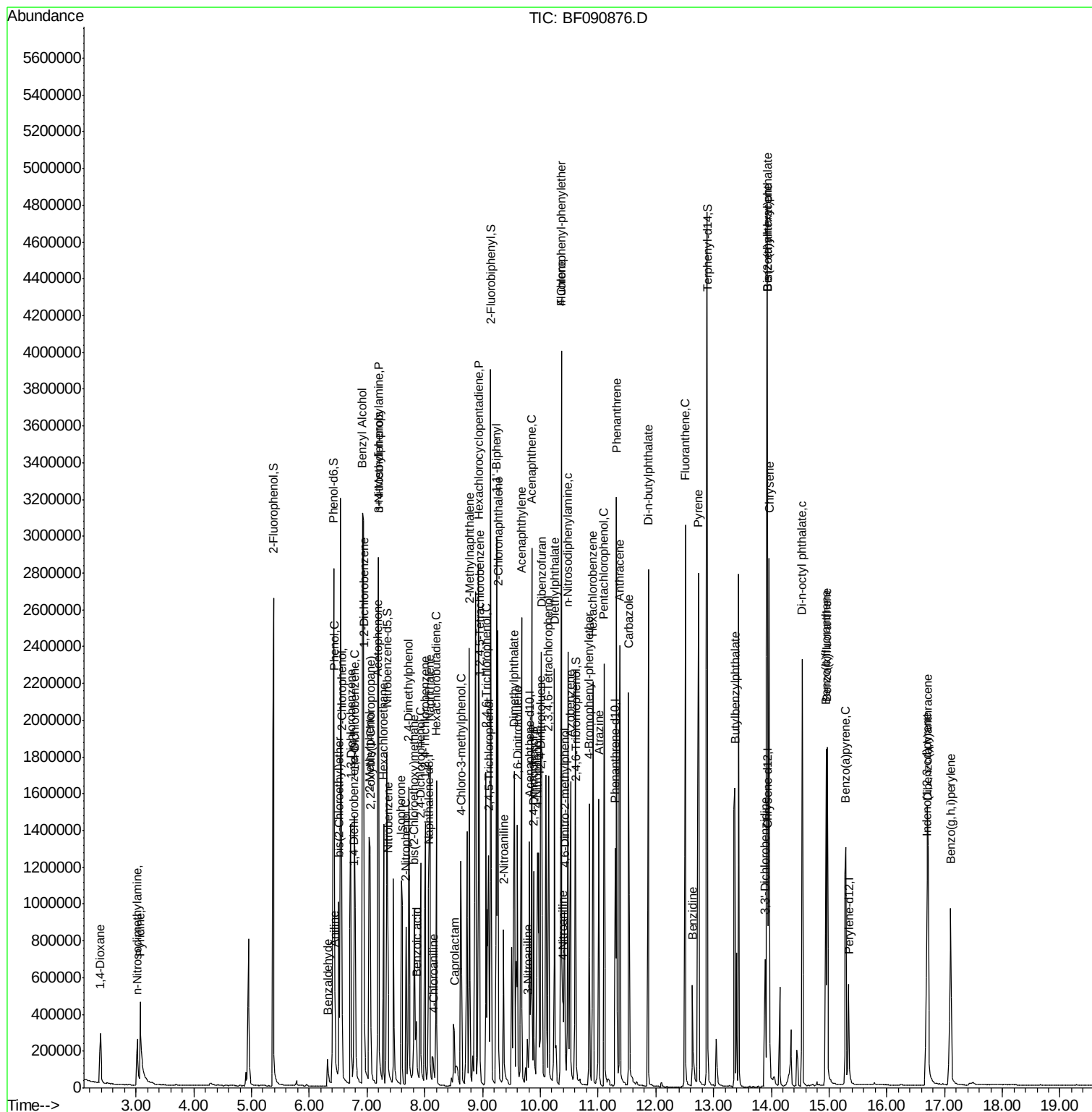
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\  
 Data File : BF090876.D  
 Acq On : 27 Oct 2016 19:41  
 Operator : UM/SJ  
 Sample : PB94343BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

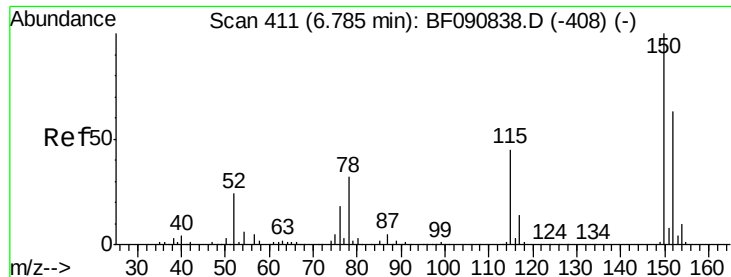
Instrument :  
 BNA\_F  
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Manual Integrations  
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#1

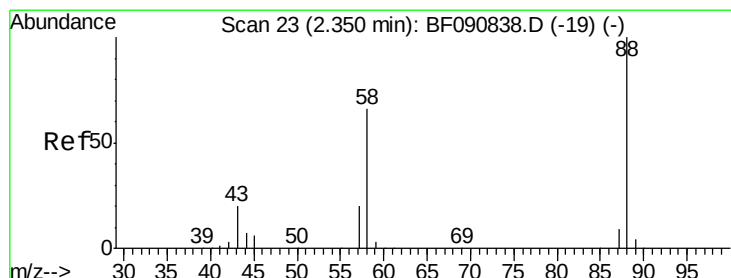
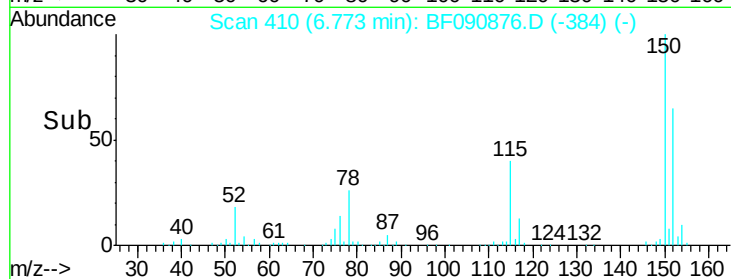
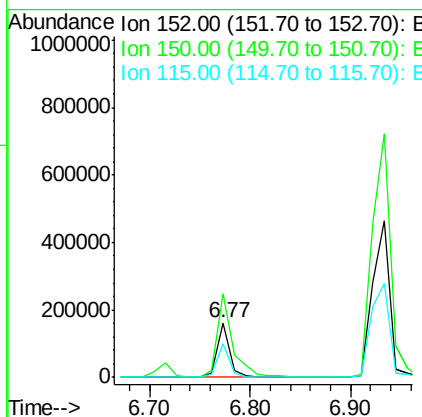
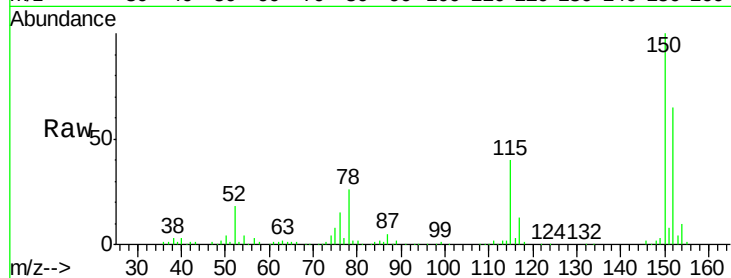
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 410  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.3 | 124.7 | 187.1 |
| 115     | 61.7  | 39.0  | 58.4  |

Manual Integrations  
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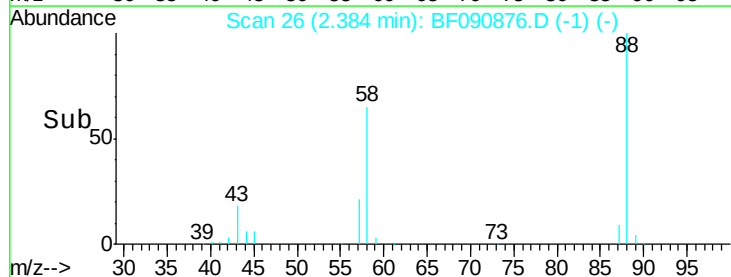
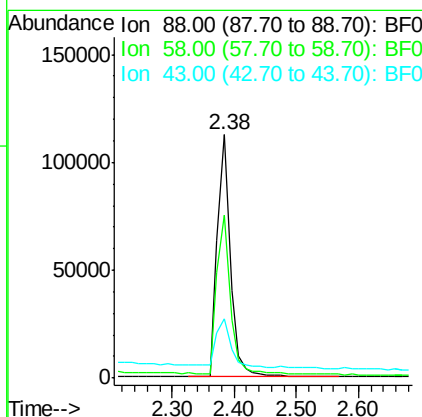
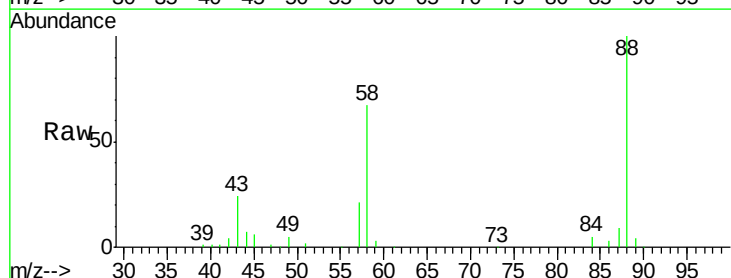
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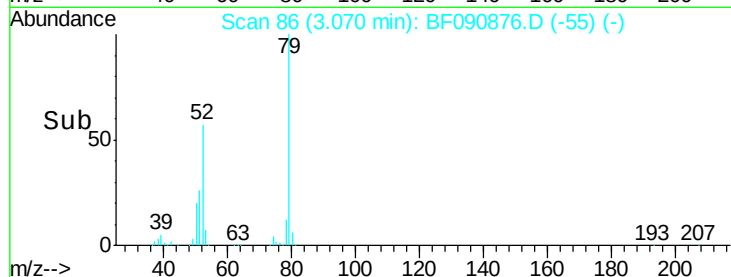
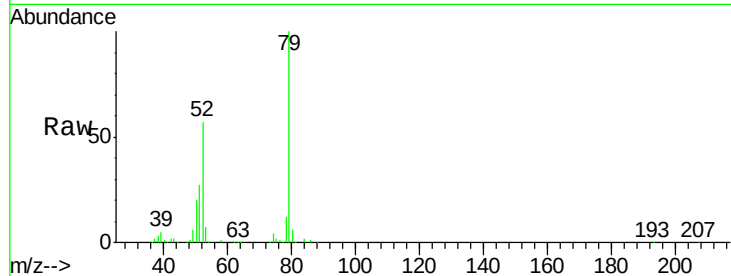
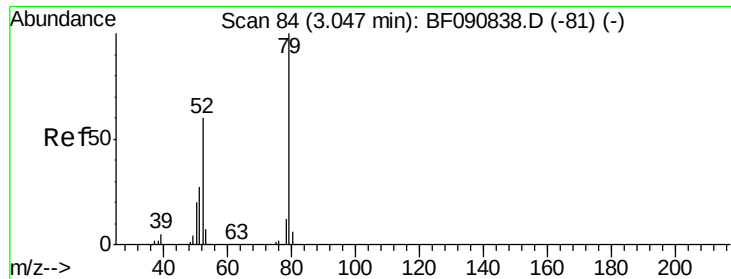


#2

1,4-Dioxane  
Concen: 39.16 ng  
RT: 2.38 min Scan# 26  
Delta R.T. 0.06 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.7  | 77.7  | 116.5 |
| 43      | 22.0  | 26.6  | 40.0  |





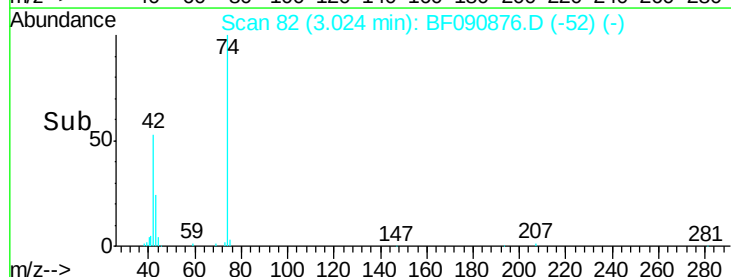
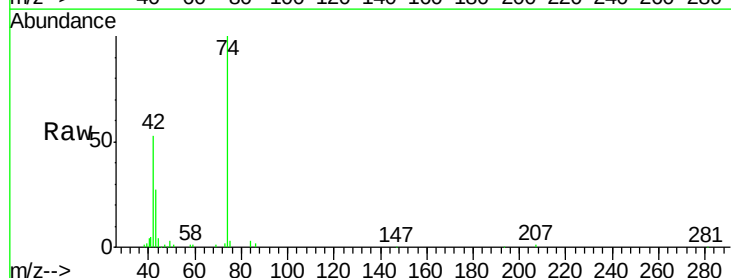
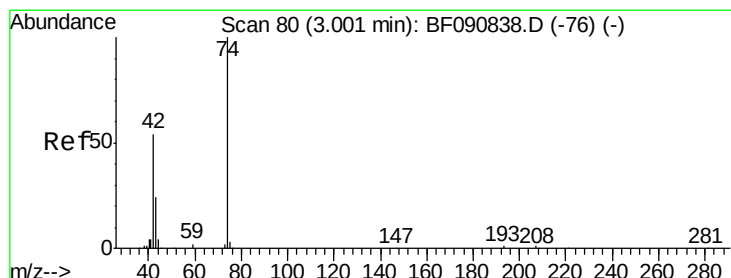
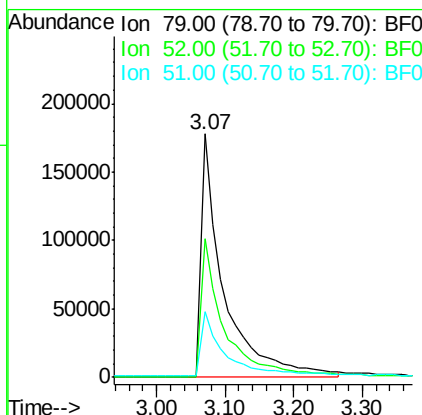
#3  
 Pvridine  
 Concen: 36.05 ng  
 RT: 3.07 min Scan# 86  
 Delta R.T. 0.06 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

| Tot Ion | Ion | Ratio | Resp | Lower | Upper  |
|---------|-----|-------|------|-------|--------|
| 79      | 79  | 100   |      |       |        |
| 52      | 52  | 56.7  |      | 76.8  | 115.2# |
| 51      | 51  | 26.8  |      | 32.2  | 48.4#  |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94343BS

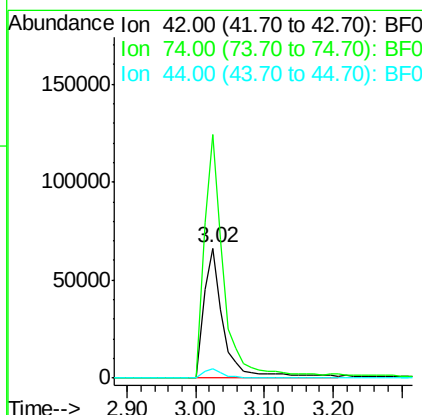
Manual Integrations  
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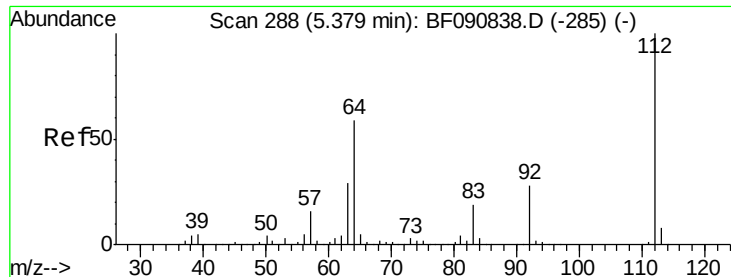
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#4  
 n-Nitrosodimethylamine  
 Concen: 41.67 ng  
 RT: 3.02 min Scan# 82  
 Delta R.T. 0.05 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper  |
|---------|-----|-------|------|-------|--------|
| 42      | 42  | 100   |      |       |        |
| 74      | 74  | 187.5 |      | 105.0 | 157.6# |
| 44      | 44  | 7.0   |      | 6.6   | 10.0   |





#5

2-Fluorophenol

Concen: 135.00 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

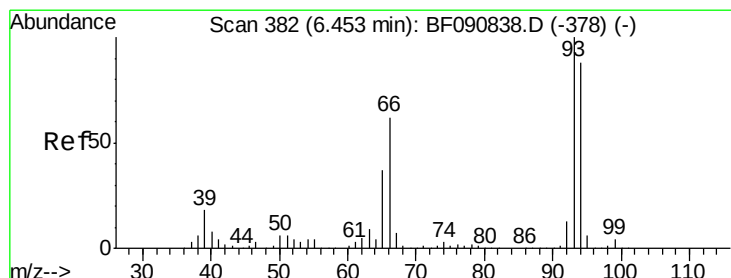
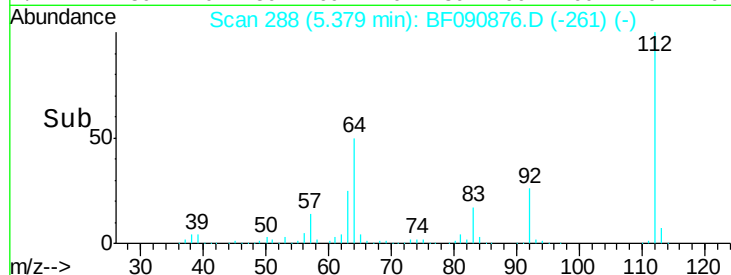
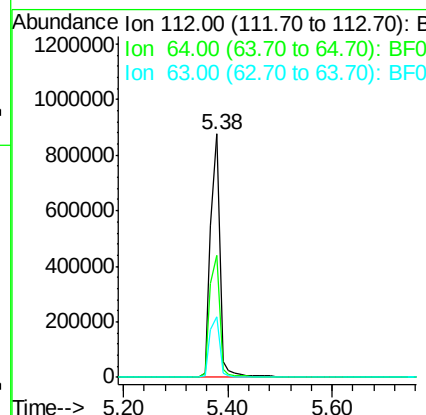
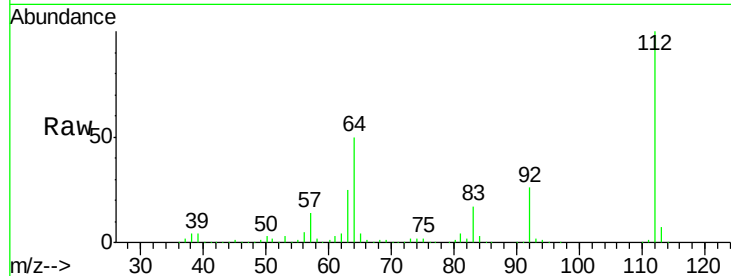
ClientSampled :

PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 50.0  | 39.7  | 59.5  |
| 63      | 24.9  | 17.4  | 26.0  |

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#6

Aniline

Concen: 23.97 ng

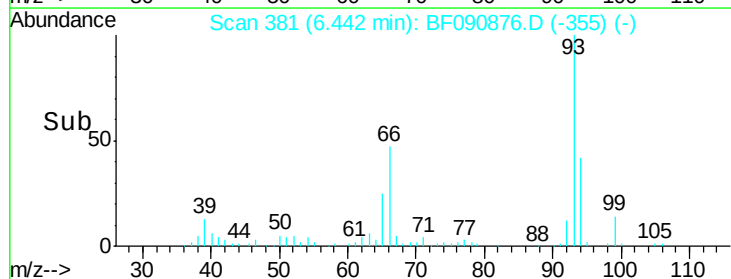
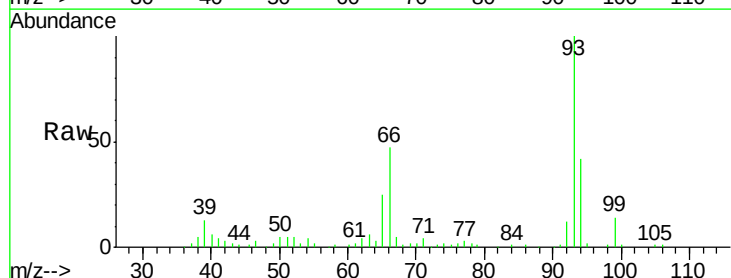
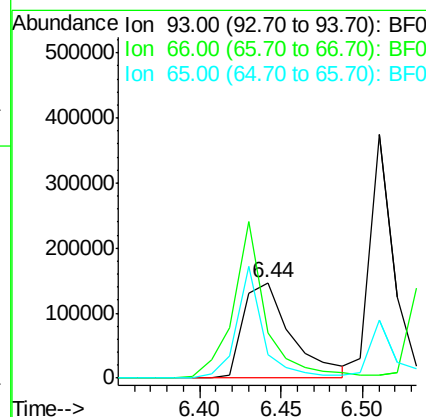
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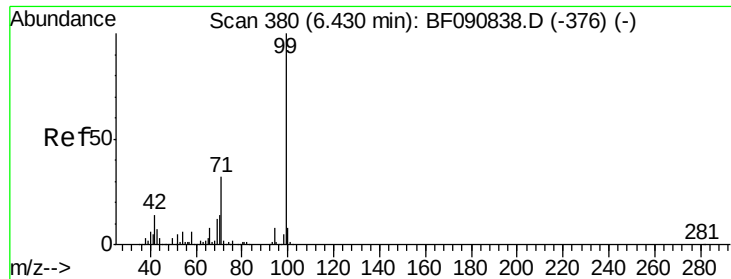
Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 47.0  | 27.2  | 40.8# |
| 65      | 25.2  | 14.7  | 22.1# |





#7

Phenol-d6

Concen: 115.01 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

ClientSampled :

PB94343BS

Tot Ion: 99 Resp: 1259569

Ion Ratio Lower Upper

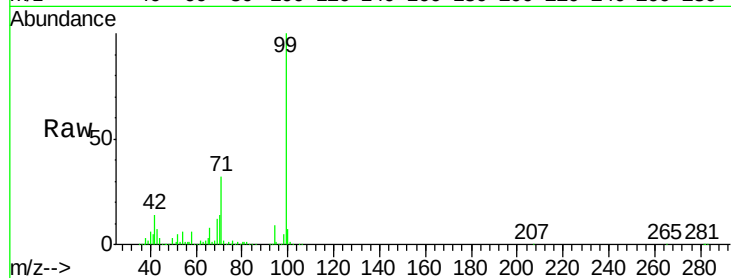
99 100

42 14.2 13.7 20.5

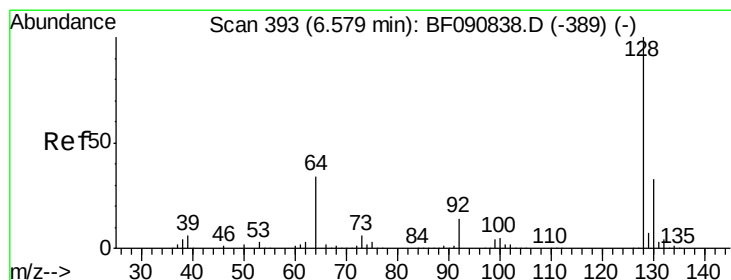
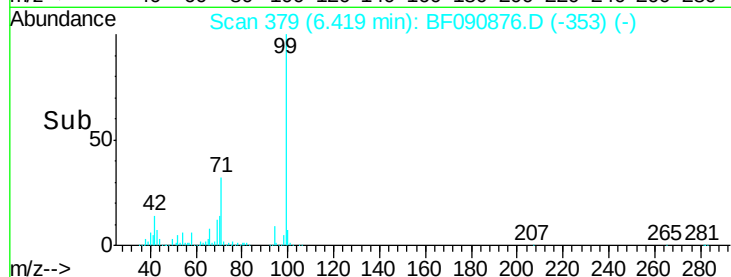
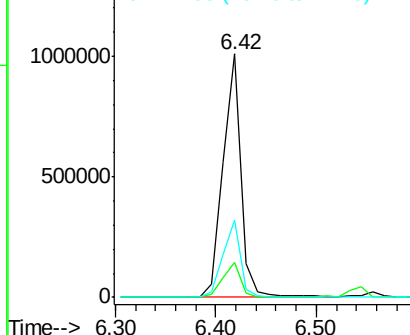
71 31.7 14.2 21.2#

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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.51 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

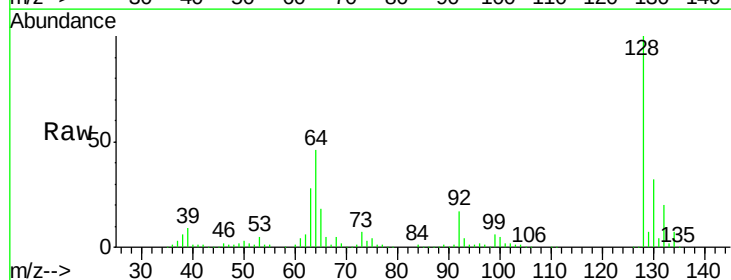
Tgt Ion: 128 Resp: 415741

Ion Ratio Lower Upper

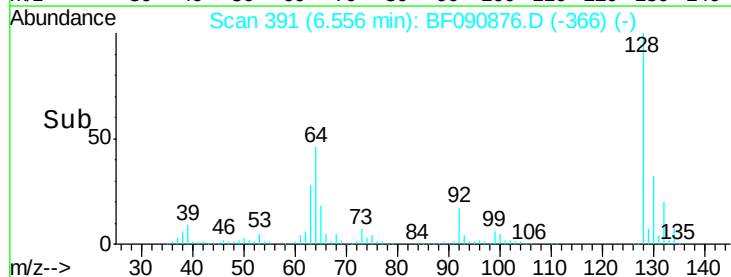
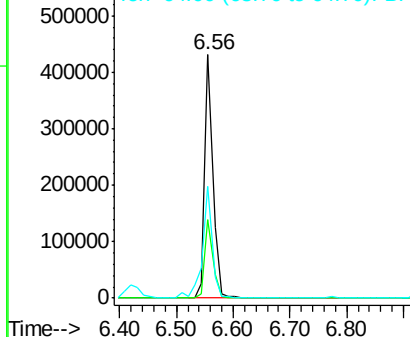
128 100

130 32.1 12.2 52.2

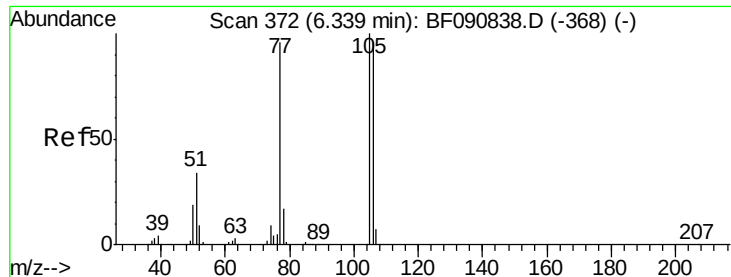
64 45.9 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 10.63 ng

RT: 6.32 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

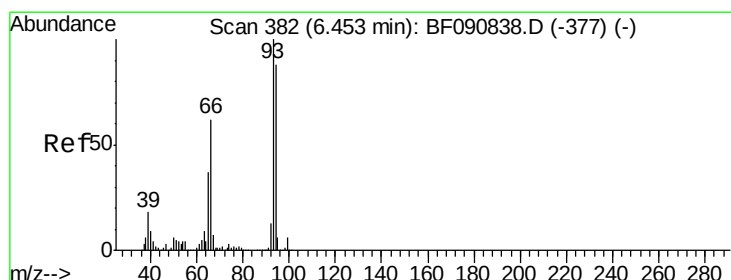
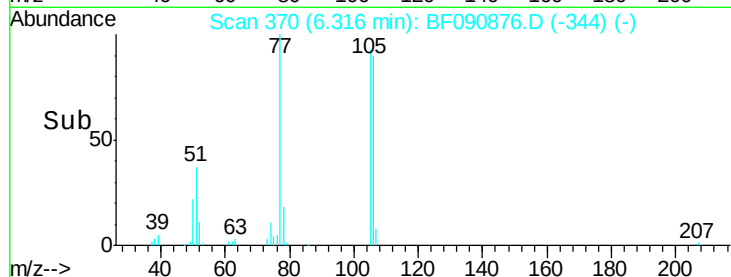
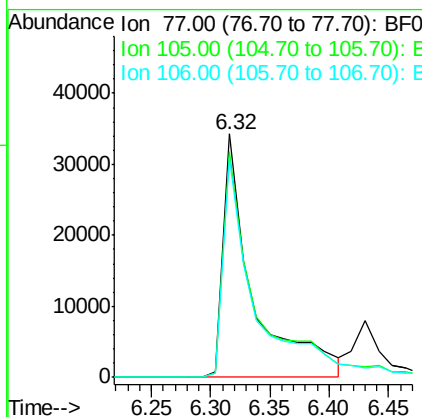
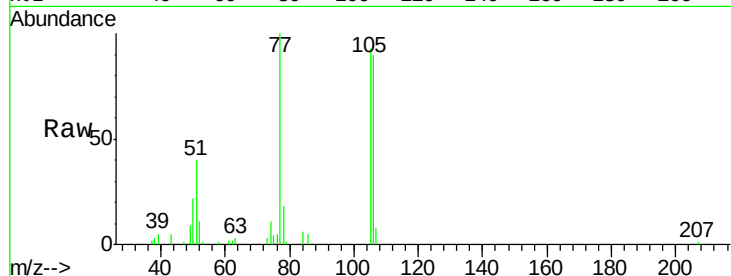
ClientSampleId :

PB94343BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 77      | 100   |       |        |
| 105     | 92.9  | 91.6  | 131.6  |
| 106     | 89.8  | 102.6 | 142.6# |

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#10

Phenol

Concen: 43.55 ng

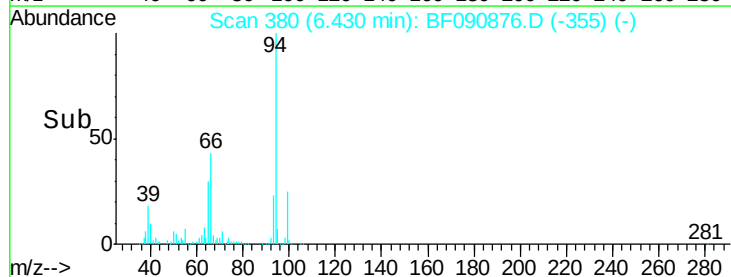
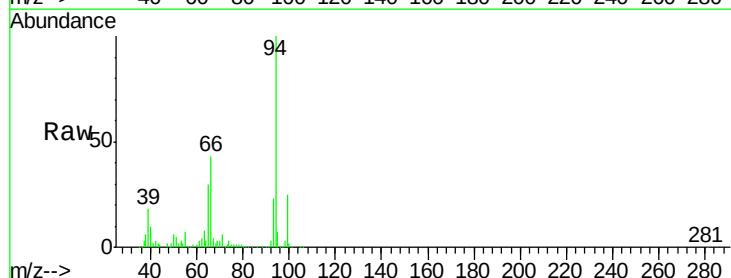
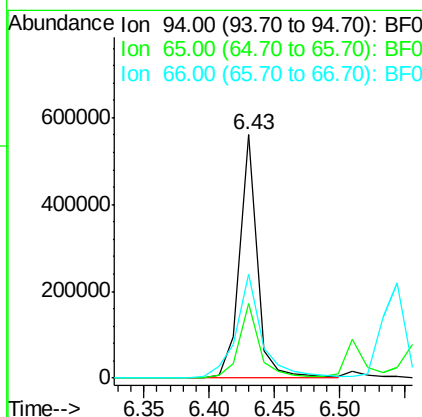
RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

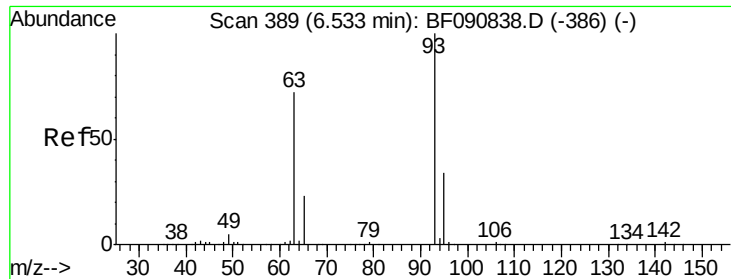
Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 30.5  | 0.7   | 40.7  |
| 66      | 42.9  | 0.8   | 40.8# |







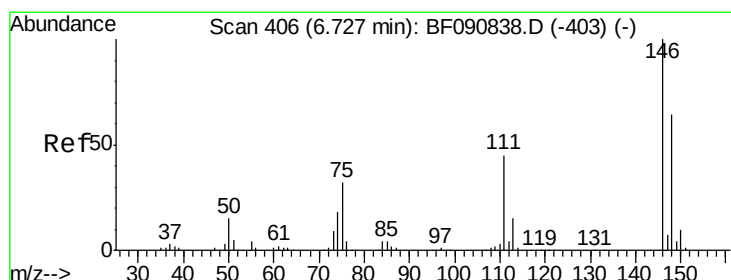
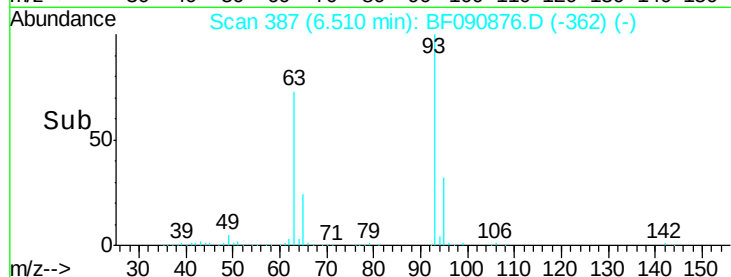
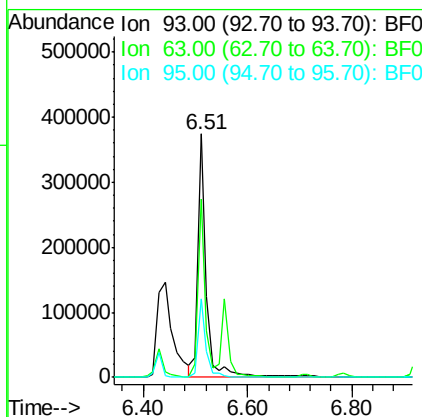
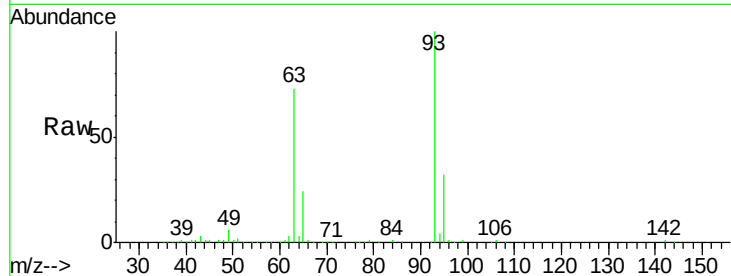
#11  
bis(2-Chloroethyl)ether  
Concen: 41.89 ng  
RT: 6.51 min Scan# 387  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 418252 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 73.2  | 65.6  | 105.6  |
| 95        | 32.1  | 13.6  | 53.6   |

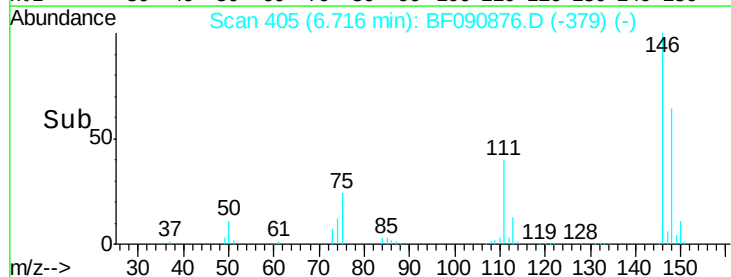
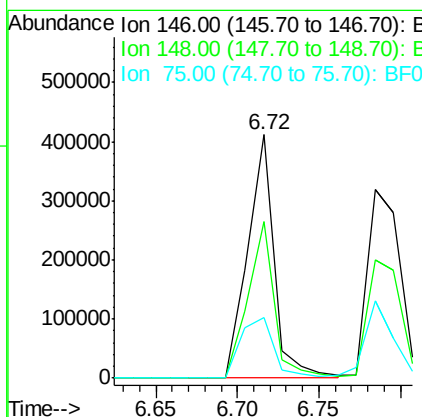
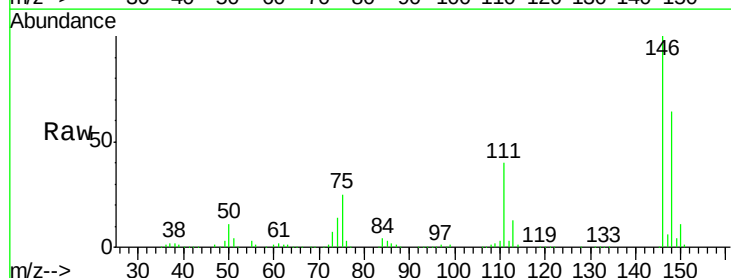
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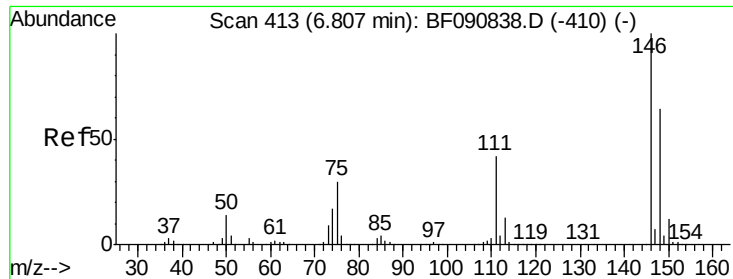
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#12  
1,3-Dichlorobenzene  
Concen: 45.42 ng  
RT: 6.72 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 465281 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 51.0  | 76.4   |
| 75        | 24.9  | 15.0  | 22.6#  |





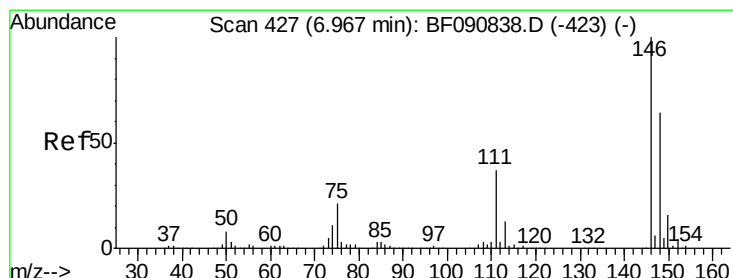
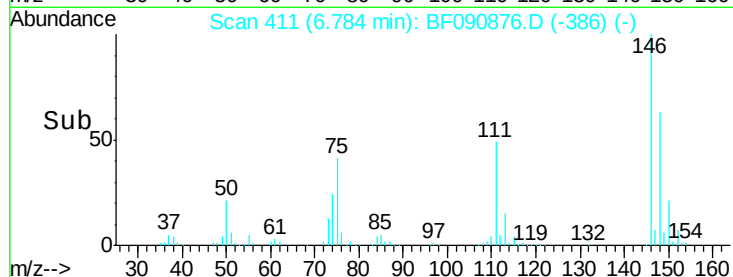
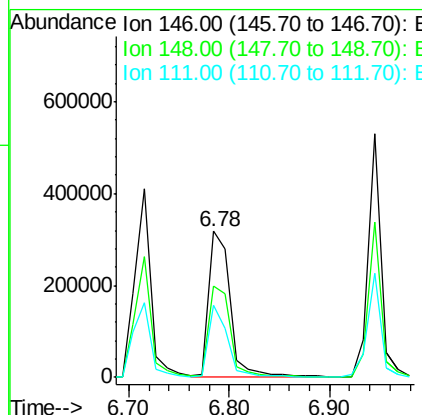
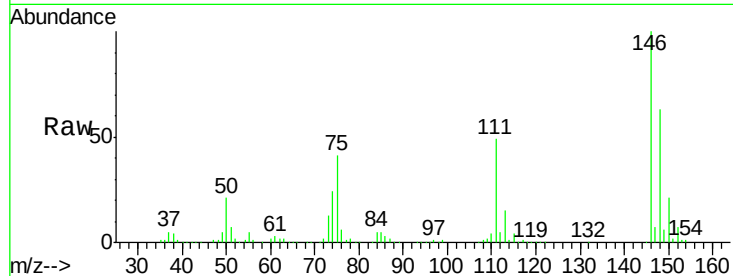
#13  
 1,4-Dichlorobenzene  
 Concen: 43.90 ng  
 RT: 6.78 min Scan# 411  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 51.8  | 77.6  |
| 111     | 49.3  | 24.9  | 37.3  |

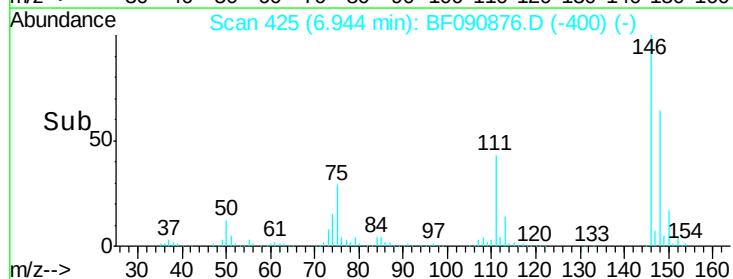
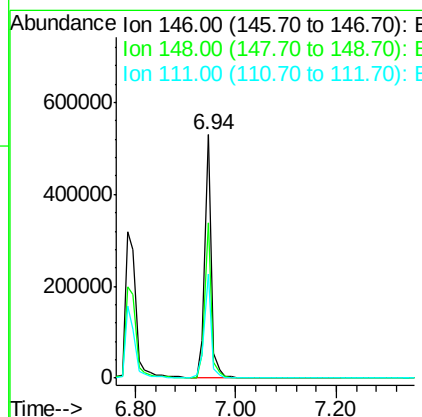
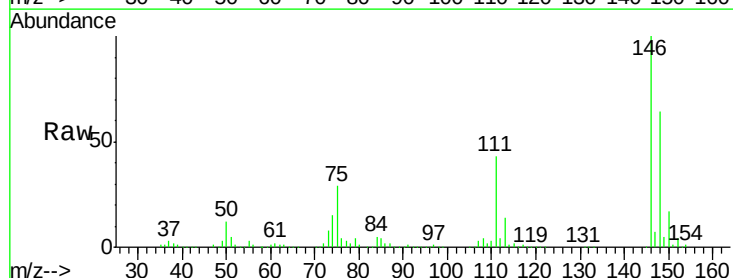
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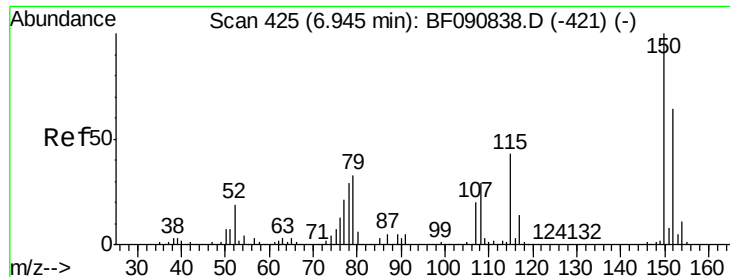
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#14  
 1,2-Dichlorobenzene  
 Concen: 46.80 ng  
 RT: 6.94 min Scan# 425  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 52.7  | 79.1  |
| 111     | 42.7  | 28.8  | 43.2  |





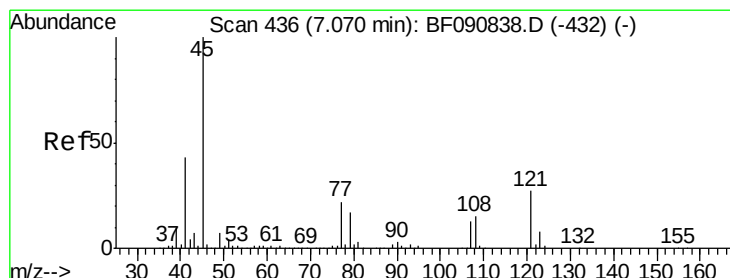
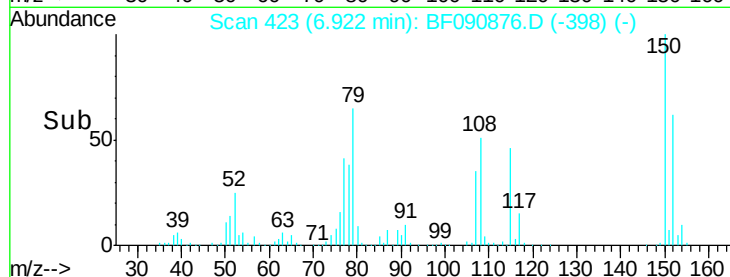
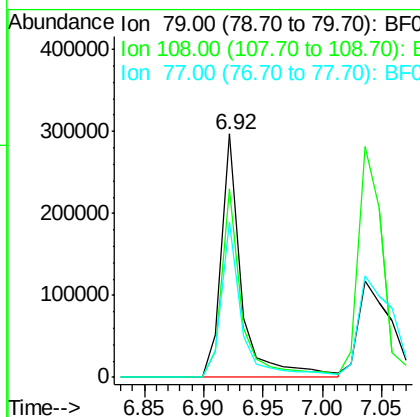
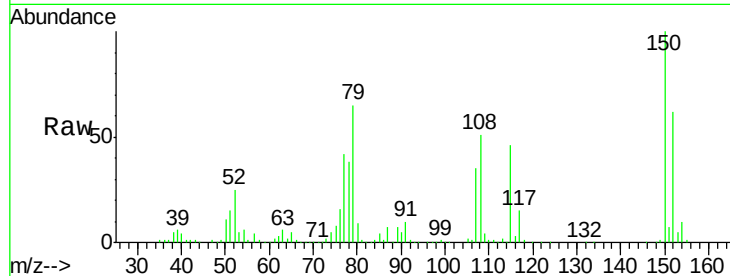
#15  
Benzyl Alcohol  
Concen: 48.63 ng  
RT: 6.92 min Scan# 423  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampled :  
PB94343BS

| Tot Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 79      | 100   | 349796 |        |       |
| 108     | 77.6  | 88.6   | 132.8# |       |
| 77      | 63.6  | 47.0   | 70.4   |       |

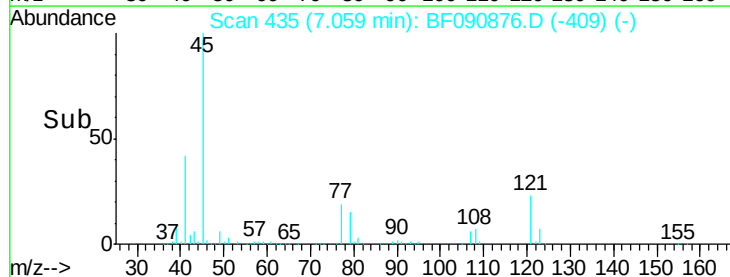
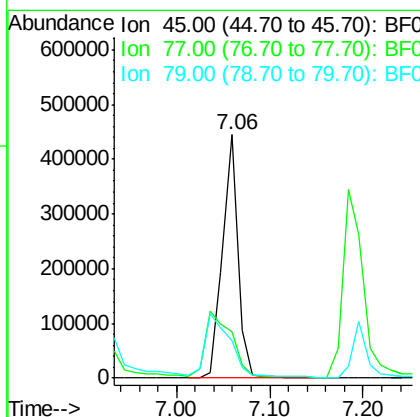
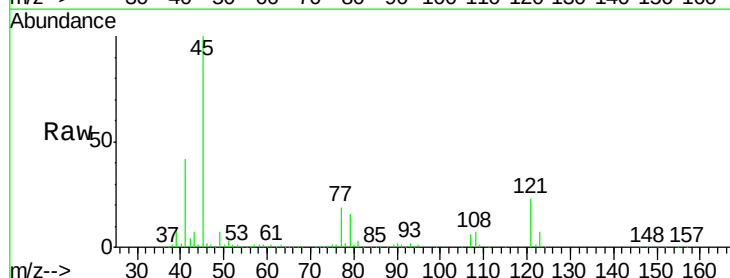
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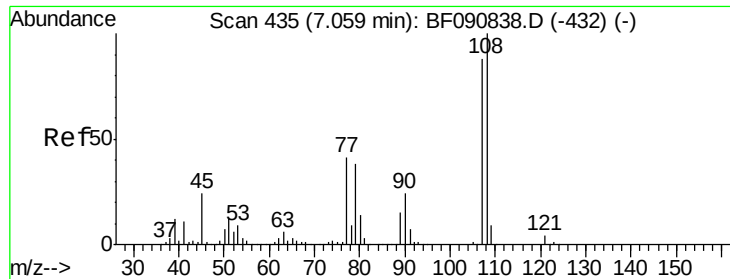
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 51.78 ng  
RT: 7.06 min Scan# 435  
Delta R.T. -0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 514573 |       |       |
| 77      | 19.1  | 0.0    | 28.1  |       |
| 79      | 15.6  | 0.0    | 26.0  |       |





#17

2-Methylphenol

Concen: 46.30 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

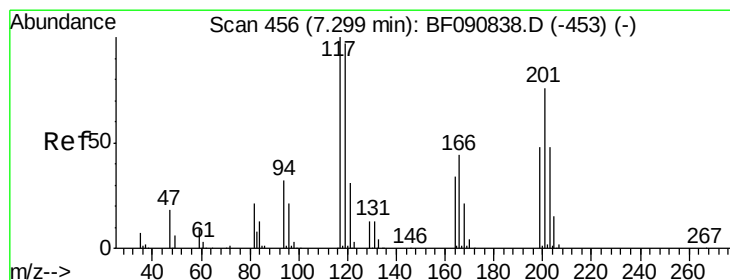
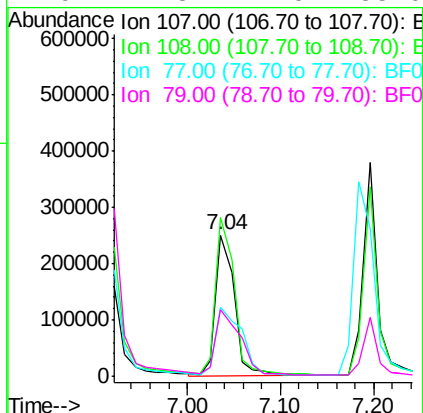
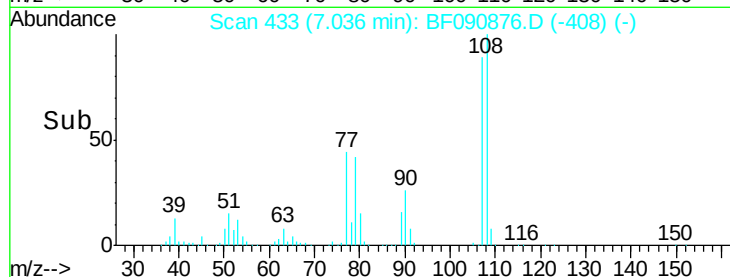
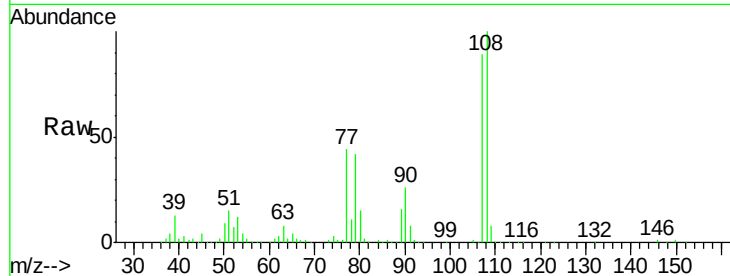
ClientSampled :

PB94343BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.6 | 96.6 | 145.0 |       |
| 77      | 49.4  | 23.3 | 34.9# |       |
| 79      | 47.3  | 22.0 | 33.0# |       |

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#18

Hexachloroethane

Concen: 43.24 ng

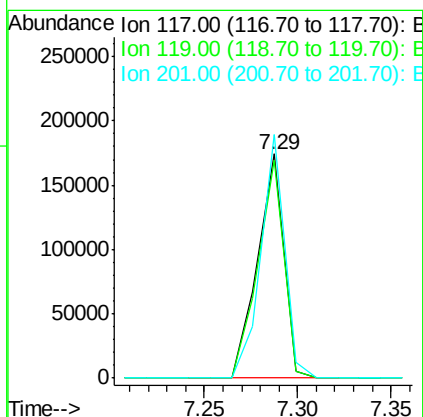
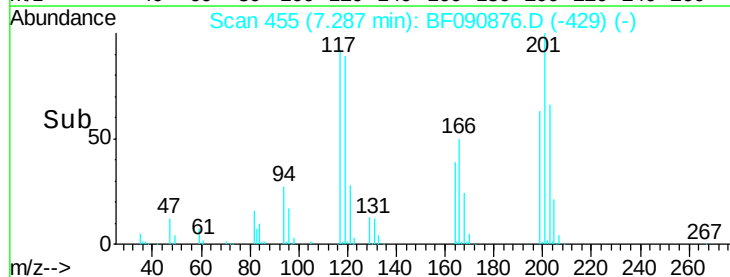
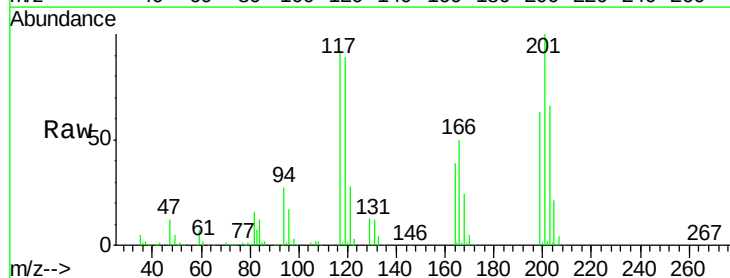
RT: 7.29 min Scan# 455

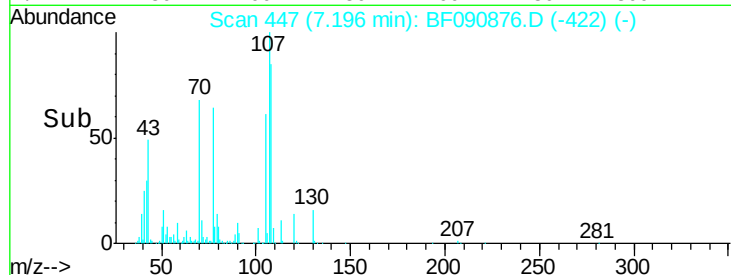
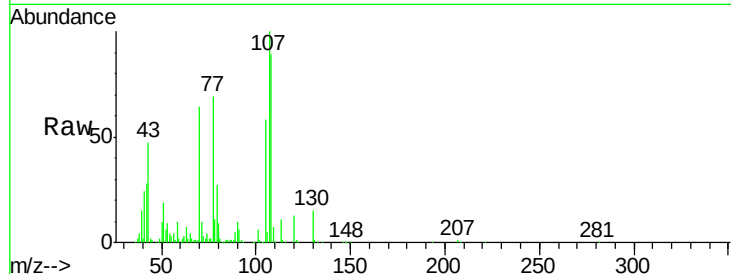
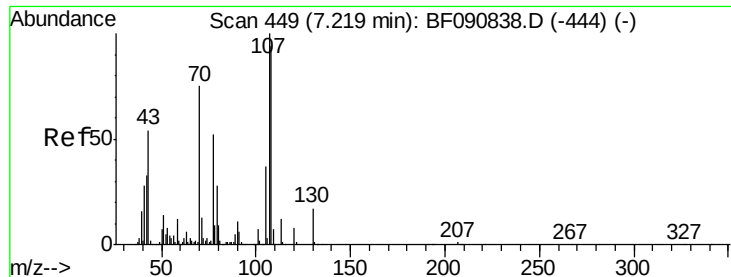
Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.1  | 83.8 | 125.6 |       |
| 201     | 108.6 | 55.1 | 82.7# |       |





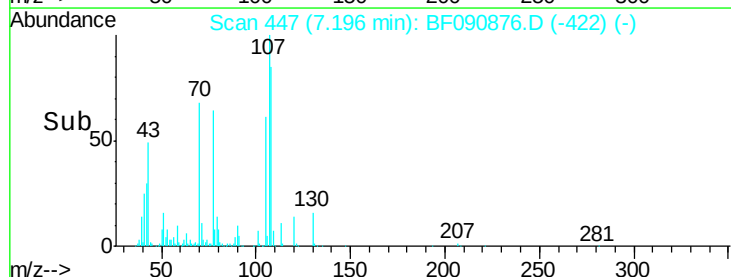
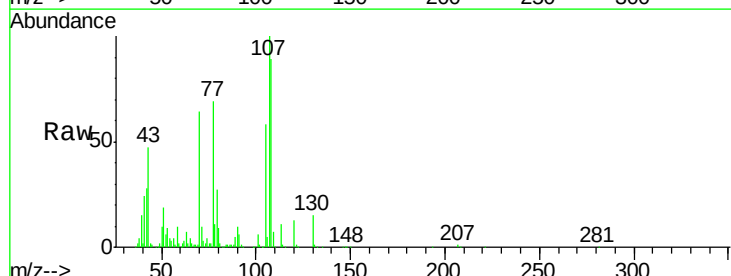
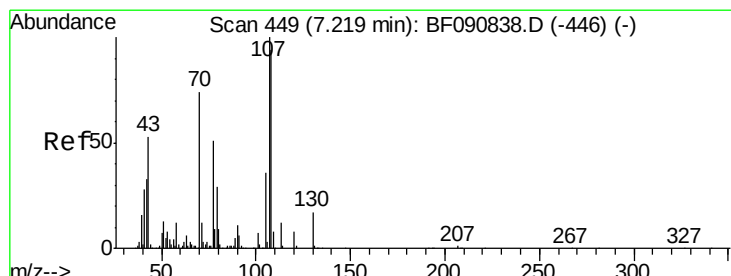
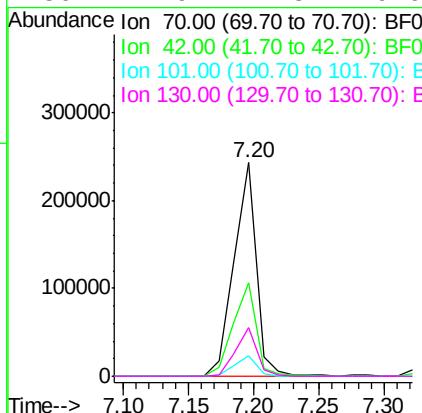
#19  
n-Nitroso-di-n-propylamine  
Concen: 45.77 ng  
RT: 7.20 min Scan# 447  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 70      | 100   |      |       |       |
| 42      | 43.8  | 63.8 | 95.6# |       |
| 101     | 9.8   | 9.2  | 13.8  |       |
| 130     | 22.9  | 27.3 | 40.9# |       |

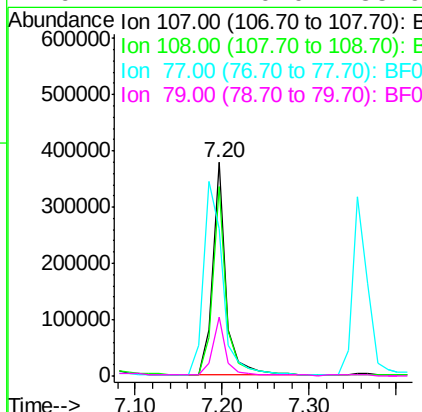
Manual Integrations  
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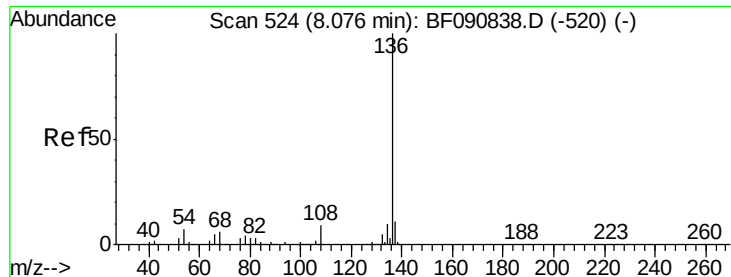
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#20  
3+4-Methylphenols  
Concen: 46.54 ng  
RT: 7.20 min Scan# 447  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 88.7  | 74.6 | 114.6 |       |
| 77      | 69.0  | 0.7  | 40.7# |       |
| 79      | 27.4  | 0.0  | 38.9  |       |





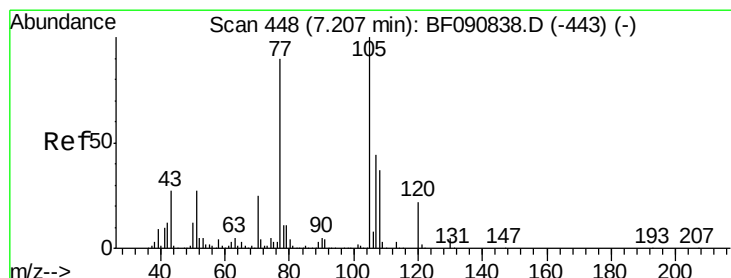
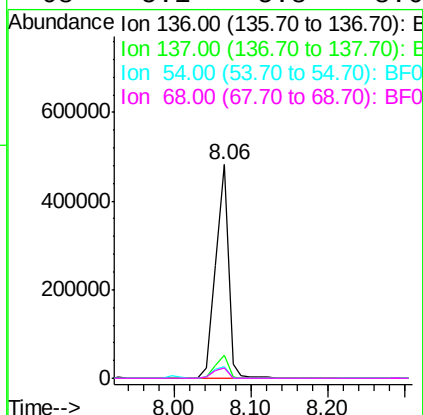
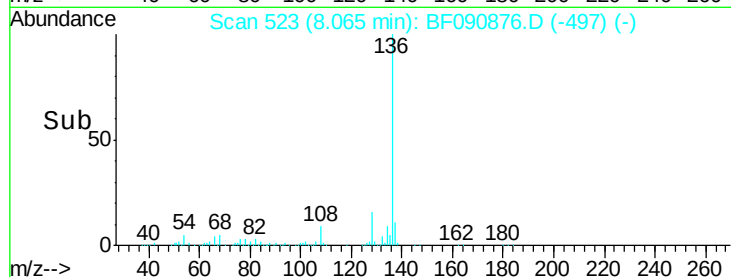
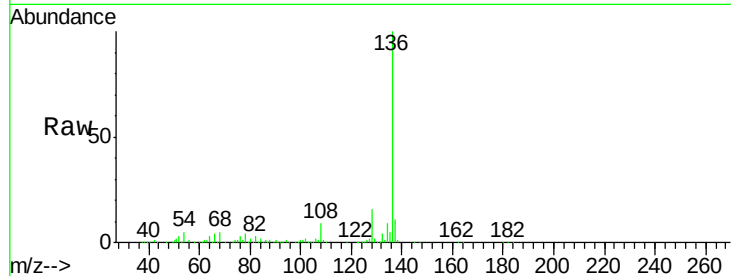
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.06 min Scan# 523  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.9  | 9.0  | 13.6  |       |
| 54      | 5.2   | 8.2  | 12.2# |       |
| 68      | 5.1   | 5.8  | 8.6#  |       |

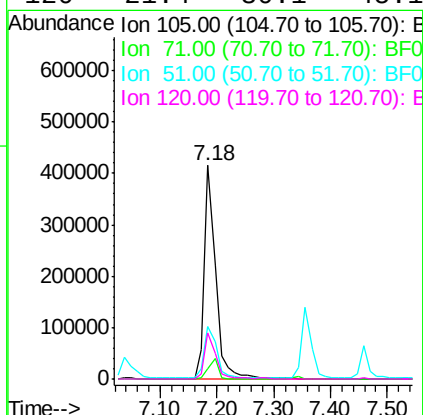
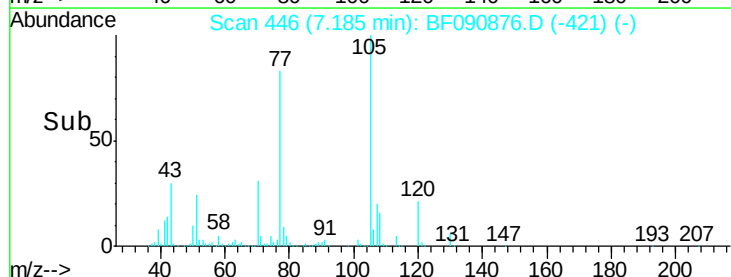
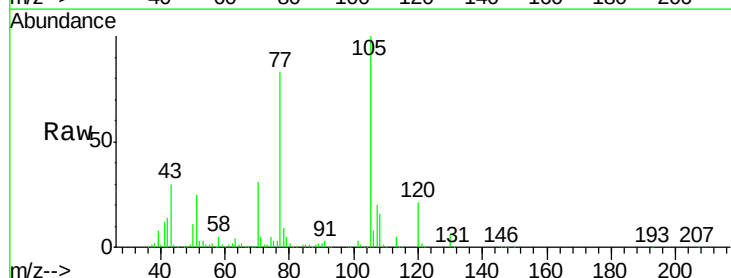
Manual Integrations  
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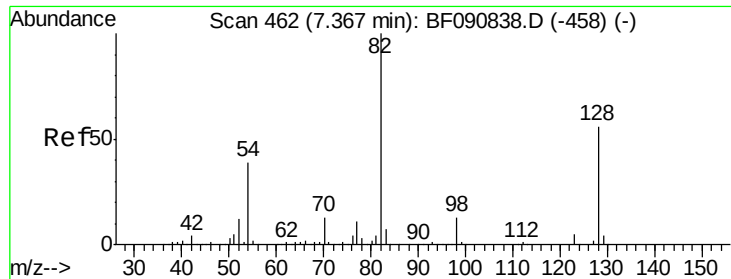
sohil  
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#22  
Acetophenone  
Concen: 48.69 ng  
RT: 7.18 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 5.1   | 4.7  | 7.1   |       |
| 51      | 24.6  | 22.0 | 33.0  |       |
| 120     | 21.4  | 30.1 | 45.1# |       |





#23

Nitrobenzene-d5

Concen: 95.07 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

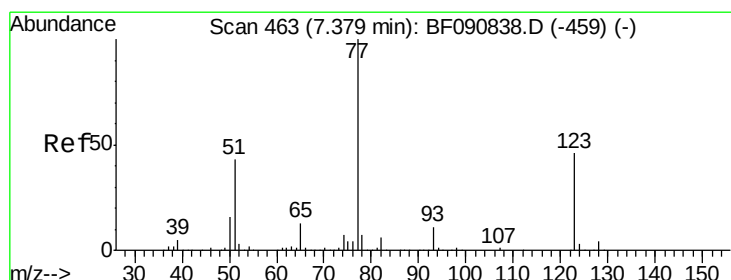
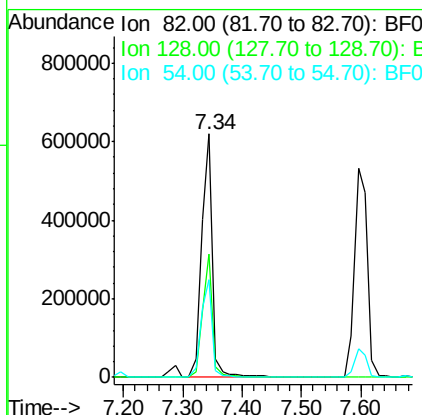
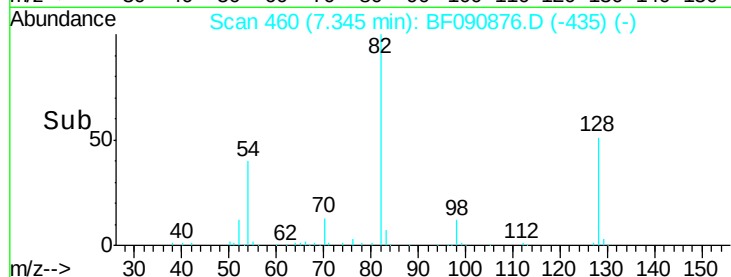
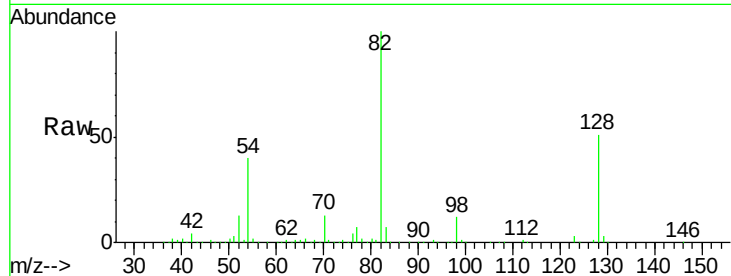
ClientSampleId :

PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 806129 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 50.5  | 51.0  | 76.6#  |
| 54        | 40.2  | 47.5  | 71.3#  |

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#24

Nitrobenzene

Concen: 43.15 ng

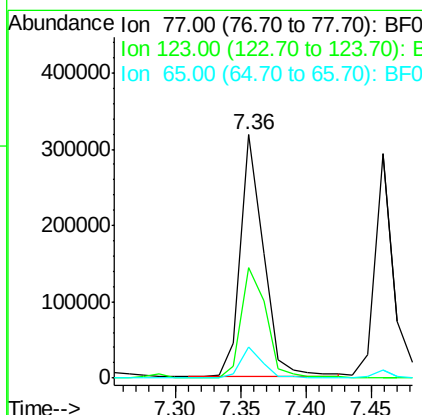
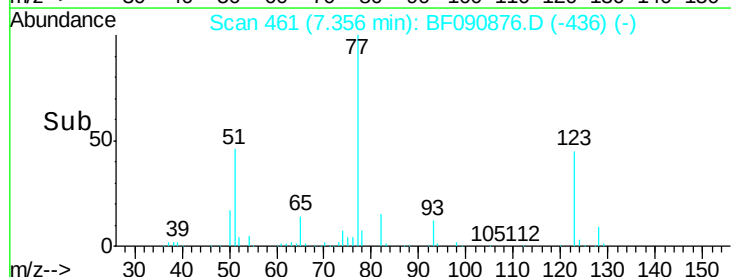
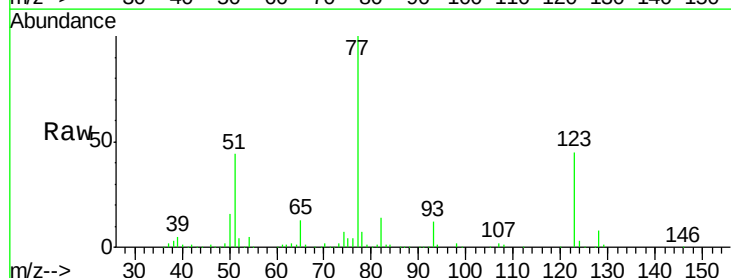
RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

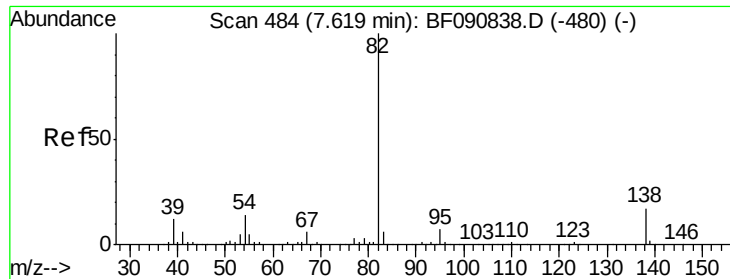
Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 387047 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 45.5  | 59.8  | 89.8#  |
| 65        | 13.0  | 10.2  | 15.4   |







#25

Isophorone

Concen: 45.91 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

ClientSampleId :

PB94343BS

Tot Ion: 82 Resp: 789984  
Ion Ratio Lower Upper

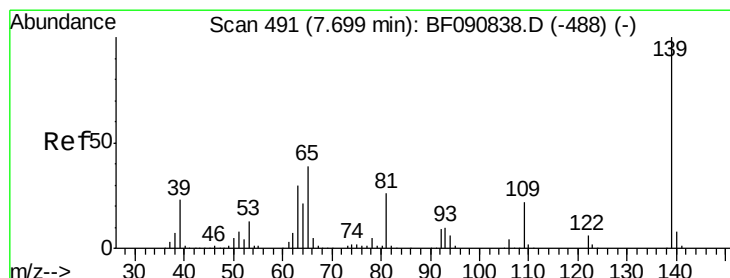
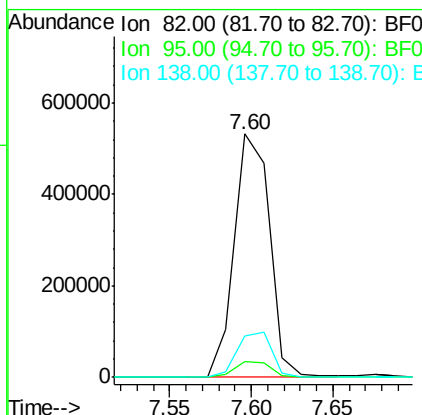
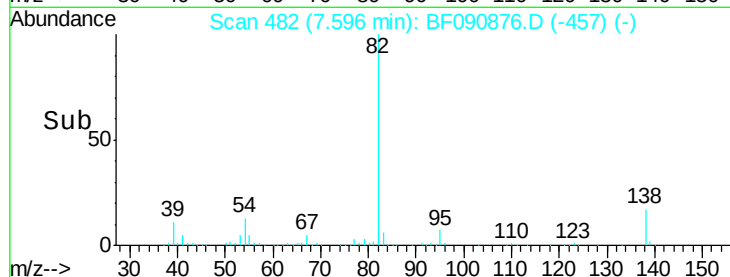
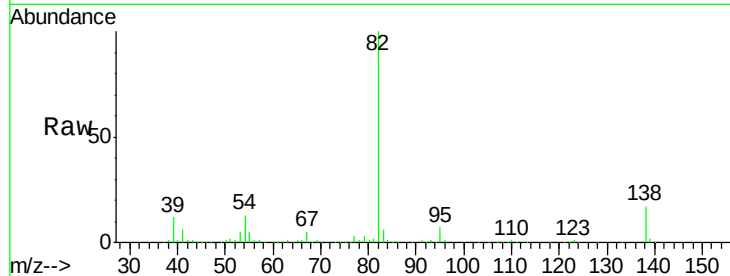
82 100

95 6.5 4.0 6.0#

138 17.2 18.3 27.5#

Manual Integrations  
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#26

2-Nitrophenol

Concen: 46.45 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF090876.D

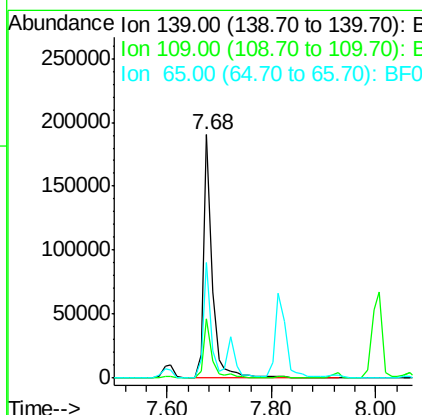
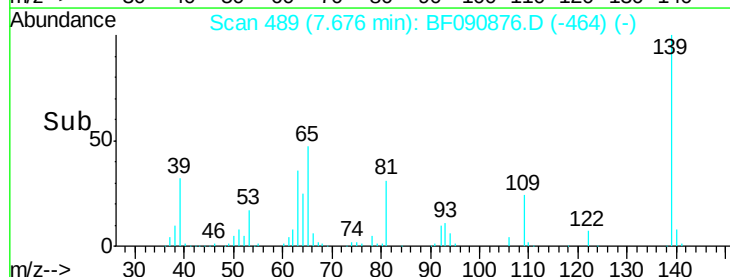
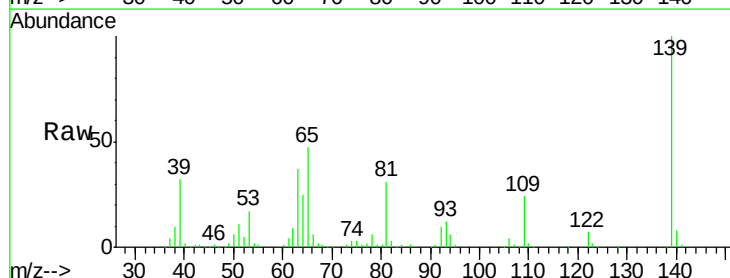
Acq: 27 Oct 2016 19:41

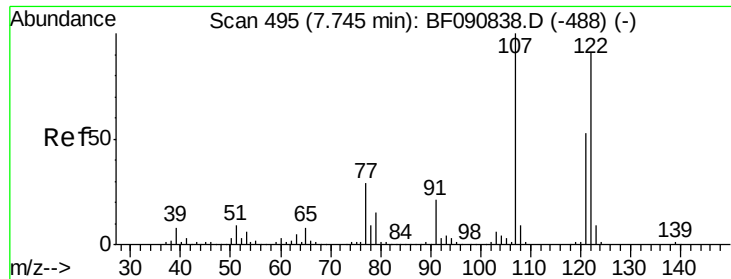
Tgt Ion: 139 Resp: 223196  
Ion Ratio Lower Upper

139 100

109 24.4 11.0 16.4#

65 47.5 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 46.32 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

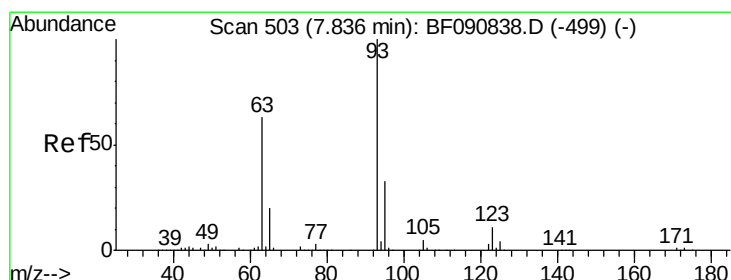
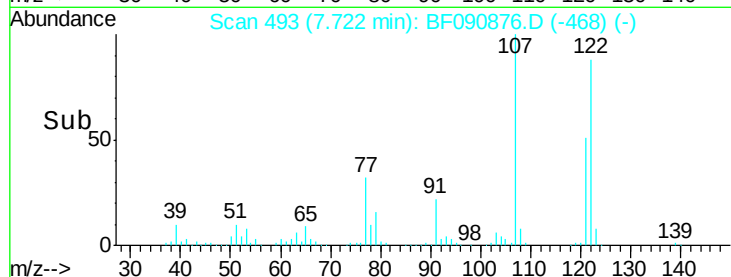
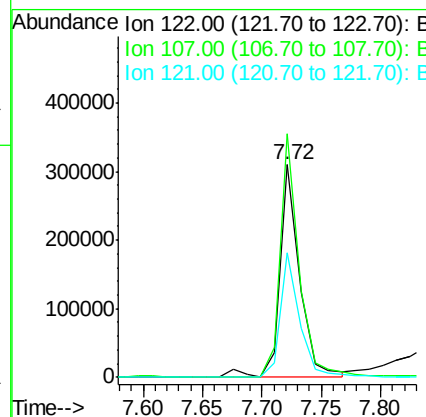
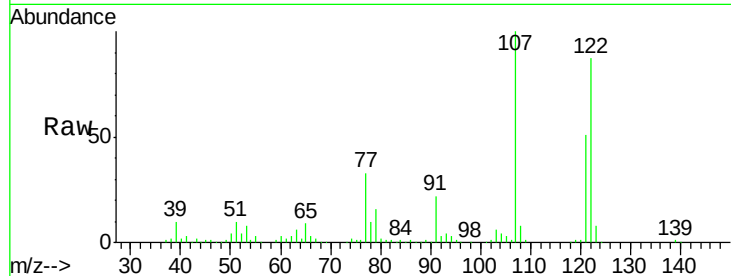
ClientSampleId :

PB94343BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 114.6 | 71.8  | 107.6# |
| 121     | 58.6  | 42.3  | 63.5   |

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#28

bis(2-Chloroethoxy)methane

Concen: 47.92 ng

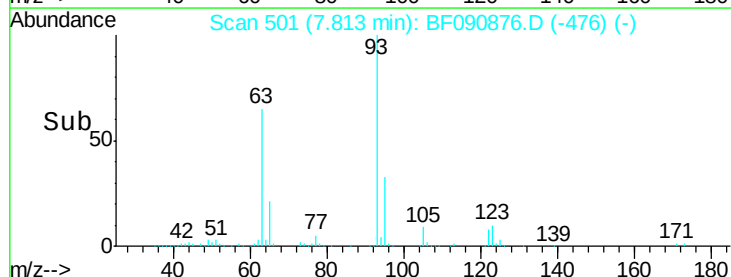
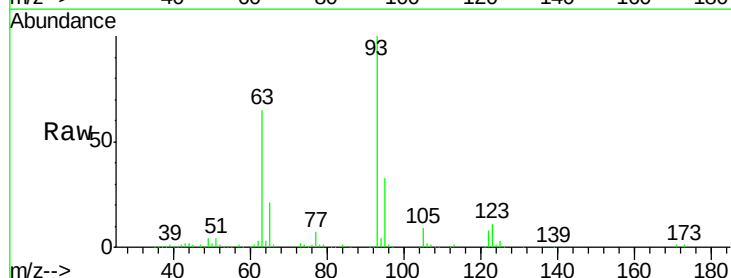
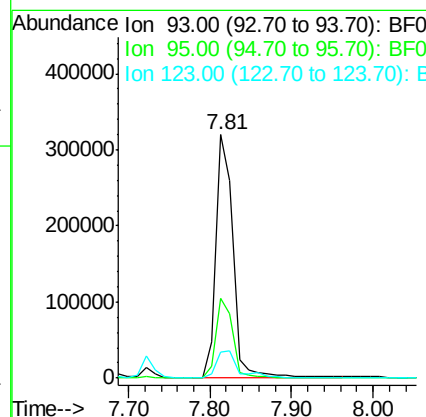
RT: 7.81 min Scan# 501

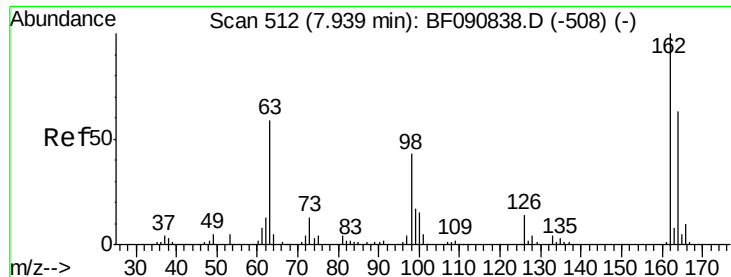
Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.6  | 27.5  | 41.3  |
| 123     | 10.6  | 13.7  | 20.5# |





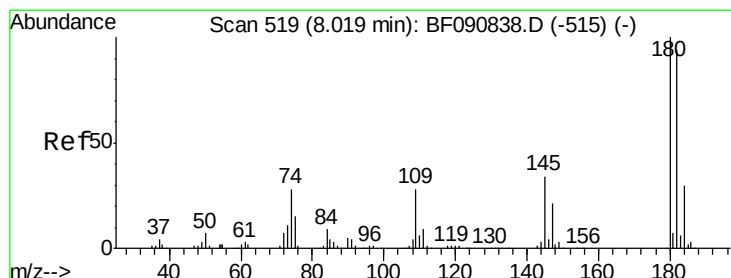
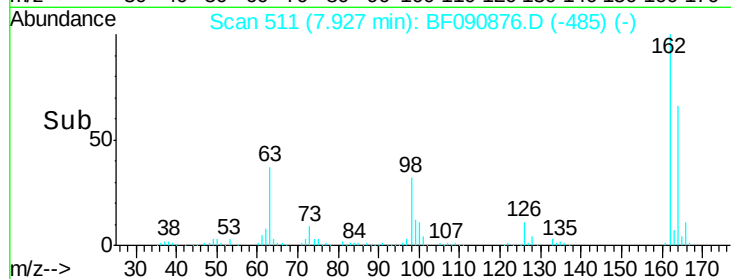
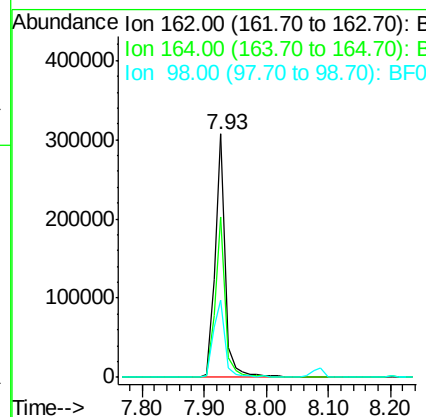
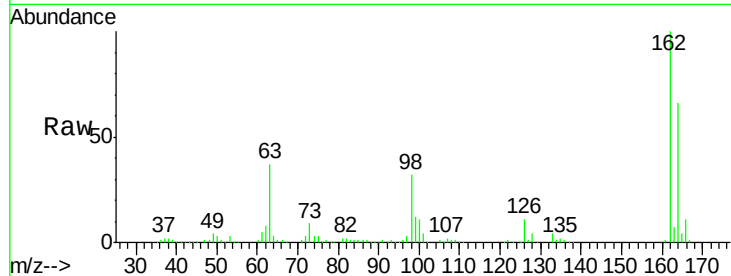
#29  
2,4-Dichlorophenol  
Concen: 48.75 ng  
RT: 7.93 min Scan# 511  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 351118 |       |       |
| 164     | 65.9  | 44.9   | 84.9  |       |
| 98      | 31.7  | 13.0   | 53.0  |       |

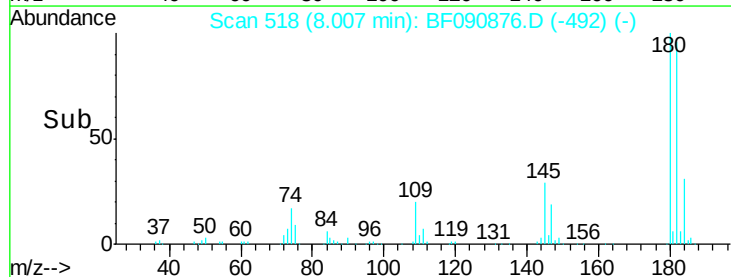
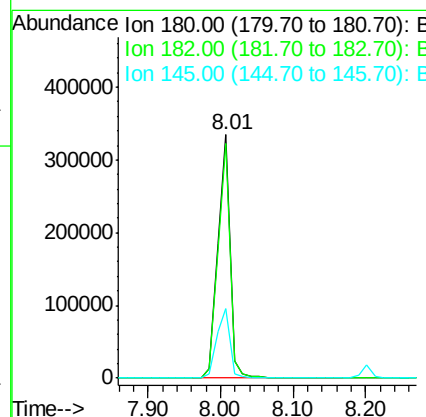
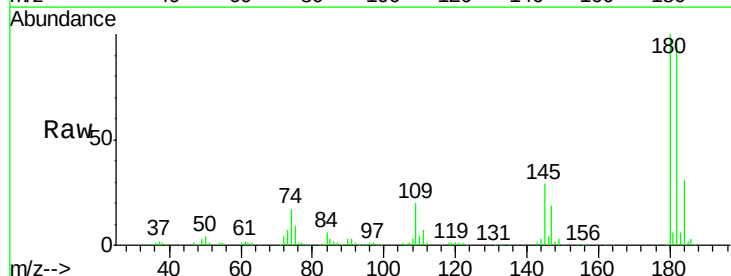
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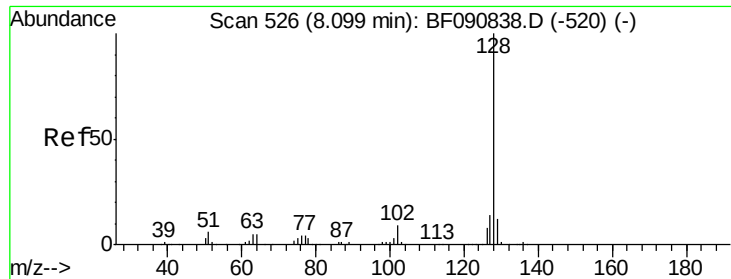
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#30  
1,2,4-Trichlorobenzene  
Concen: 47.15 ng  
RT: 8.01 min Scan# 518  
Delta R.T. -0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 392424 |       |       |
| 182     | 96.2  | 77.1   | 115.7 |       |
| 145     | 28.8  | 23.3   | 34.9  |       |





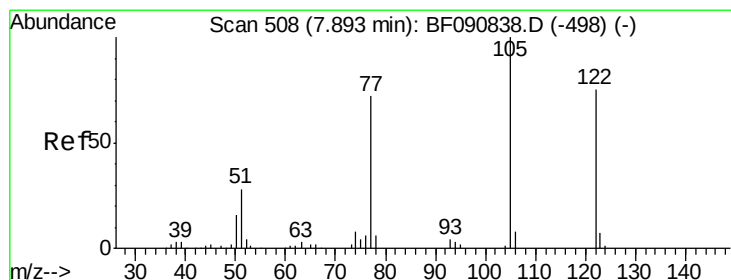
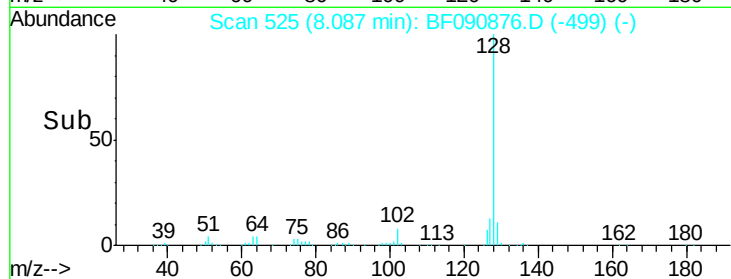
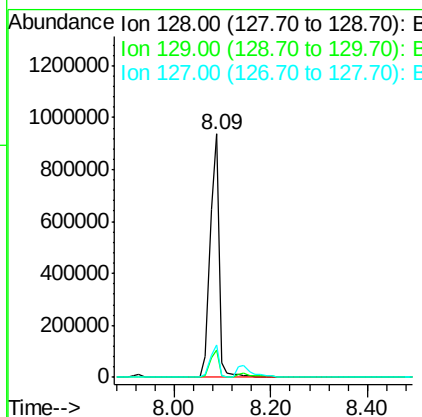
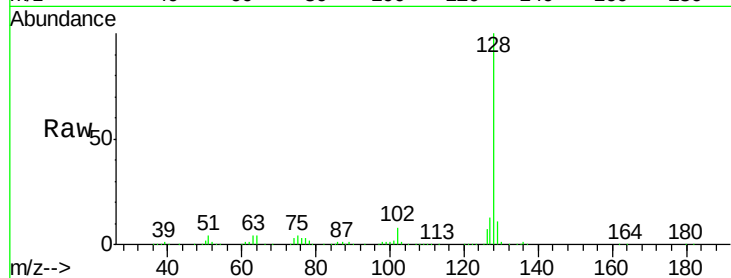
#31  
Naphthalene  
Concen: 47.40 ng  
RT: 8.09 min Scan# 525  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.0  | 8.4   | 12.6  |
| 127     | 13.3  | 9.9   | 14.9  |

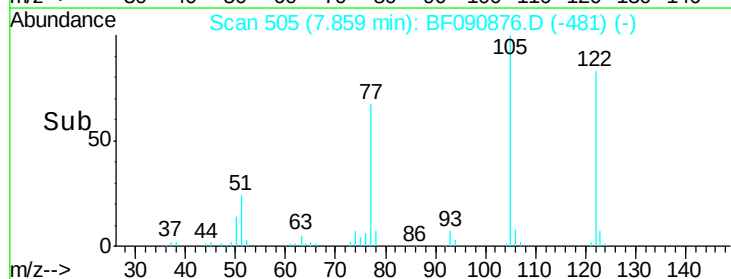
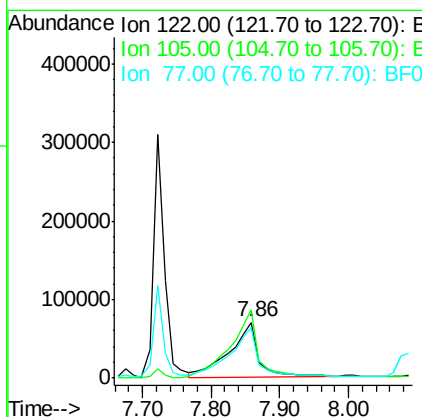
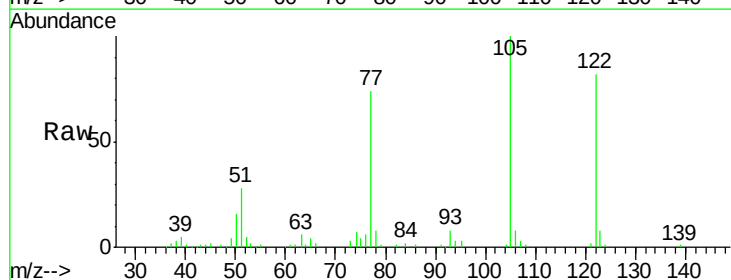
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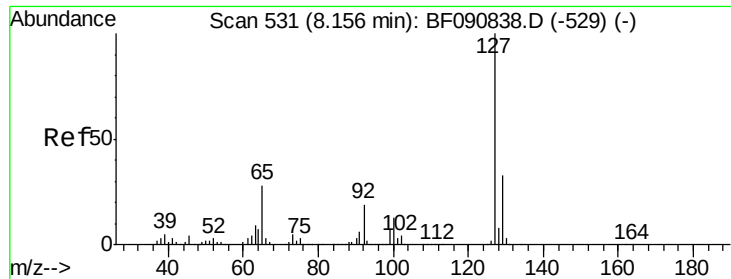
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#32  
Benzoic acid  
Concen: 36.68 ng  
RT: 7.86 min Scan# 505  
Delta R.T. -0.02 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 121.7 | 76.1  | 116.1# |
| 77      | 90.0  | 40.5  | 80.5#  |





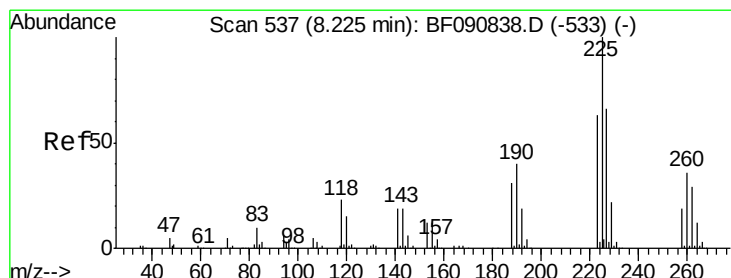
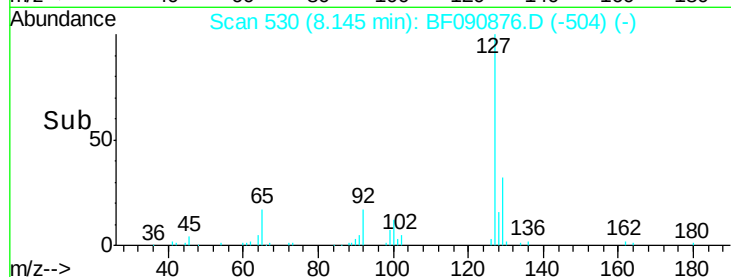
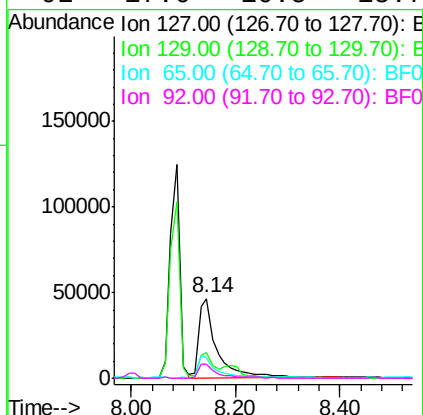
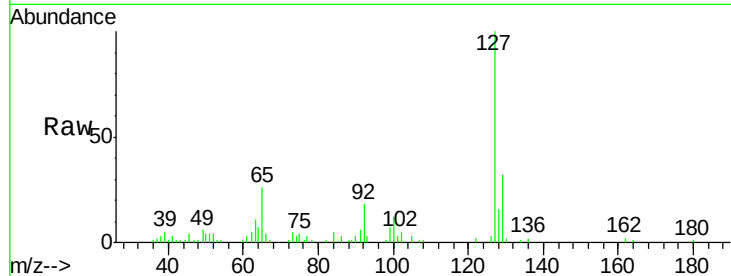
#33  
4-Chloroaniline  
Concen: 10.75 ng  
RT: 8.14 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.2 | 25.8  | 38.6 |       |       |
| 65      | 26.2 | 17.9  | 26.9 |       |       |
| 92      | 17.6 | 10.5  | 15.7 |       |       |

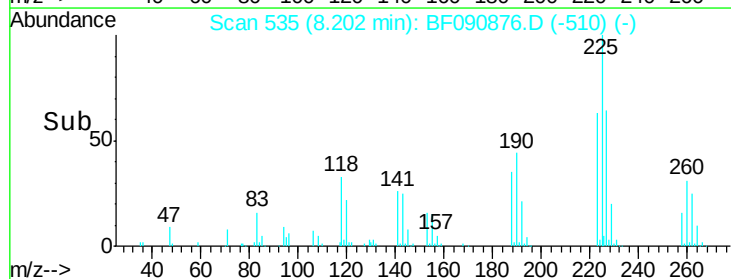
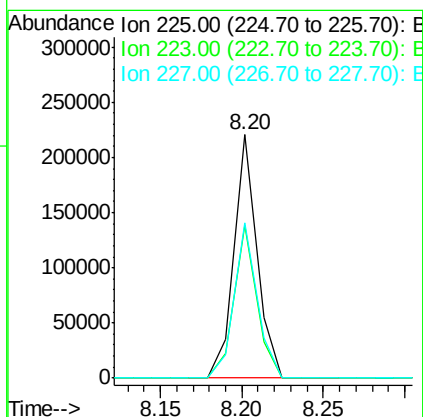
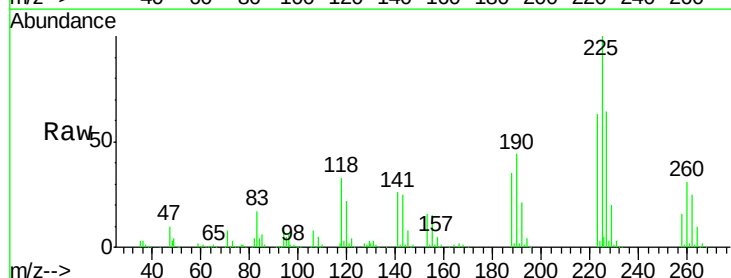
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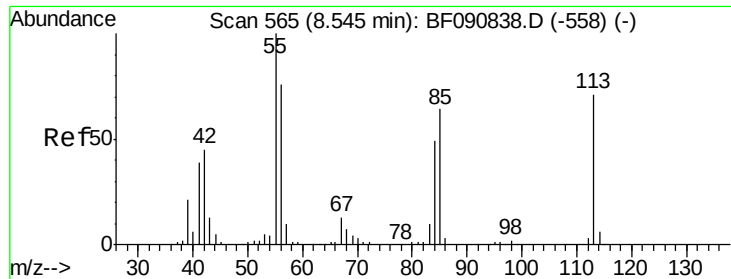
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#34  
Hexachlorobutadiene  
Concen: 43.67 ng  
RT: 8.20 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.6 | 50.2  | 75.2 |       |       |
| 227     | 63.8 | 52.2  | 78.2 |       |       |





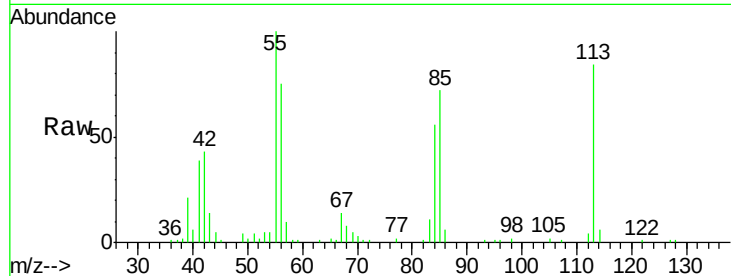
#35  
Caprolactam  
Concen: 48.95 ng/ml  
RT: 8.51 min Scan# 562  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 118.5 | 152.4 | 192.4# |
| 56      | 88.8  | 104.6 | 144.6# |

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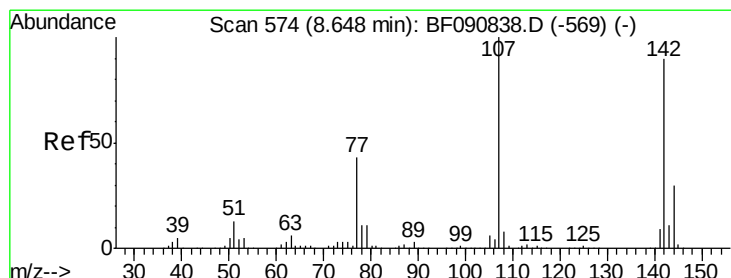
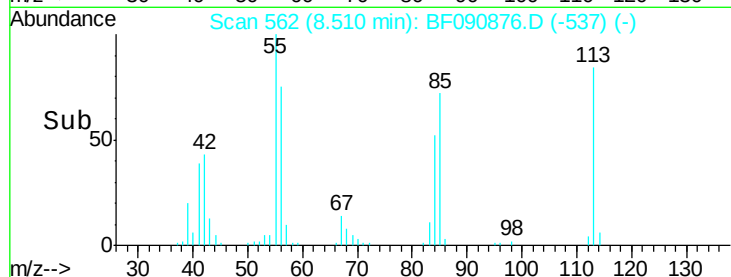
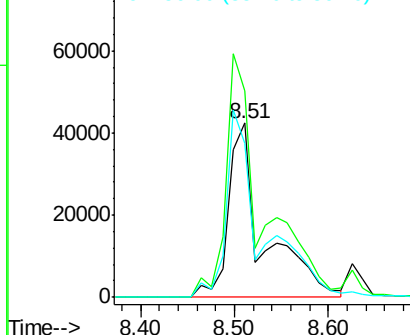


Abundance

Ion 113.00 (112.70 to 113.70): E

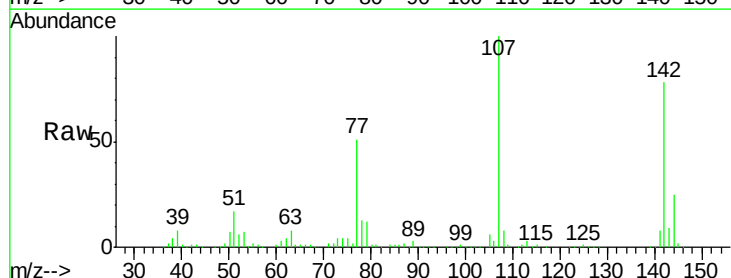
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36  
4-Chloro-3-methylphenol  
Concen: 45.78 ng/ml  
RT: 8.62 min Scan# 572  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.8  | 25.4  | 38.0# |
| 142     | 77.6  | 77.3  | 115.9 |

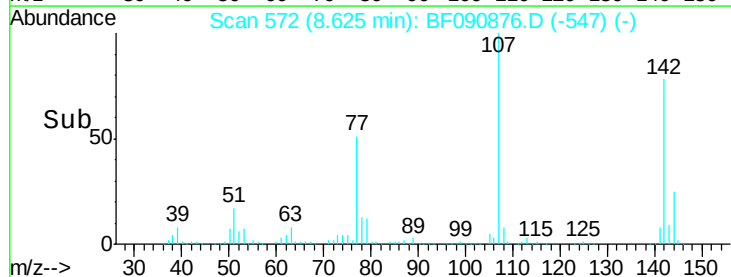
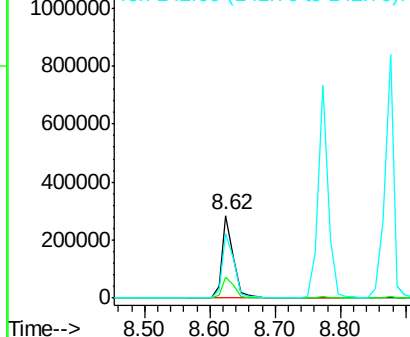


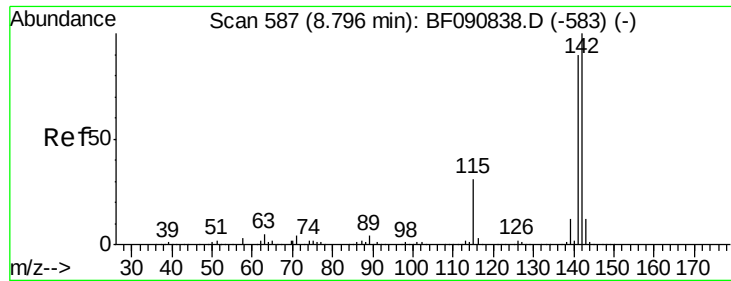
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





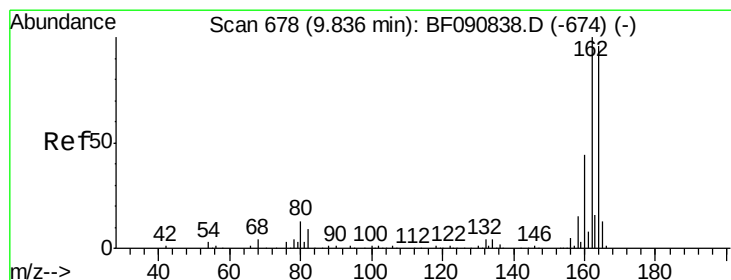
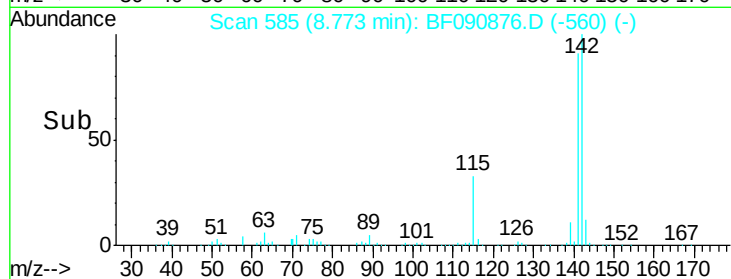
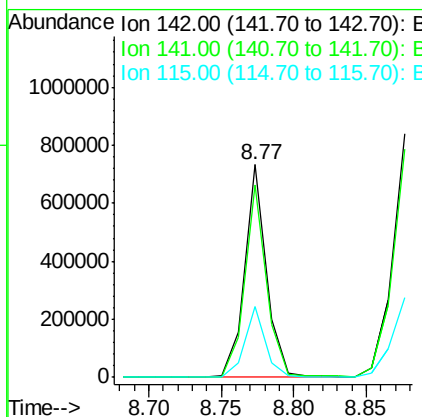
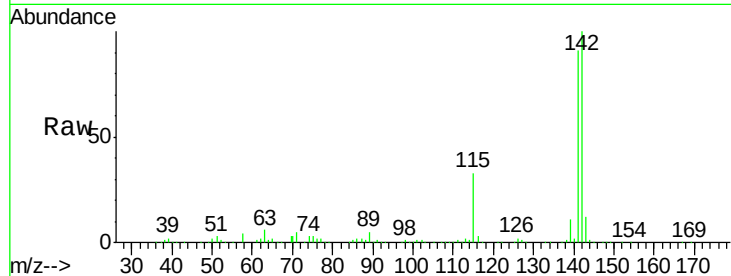
#37  
2-Methylnaphthalene  
Concen: 45.84 ng  
RT: 8.77 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.7  | 67.5  | 101.3 |
| 115     | 33.1  | 18.2  | 27.2  |

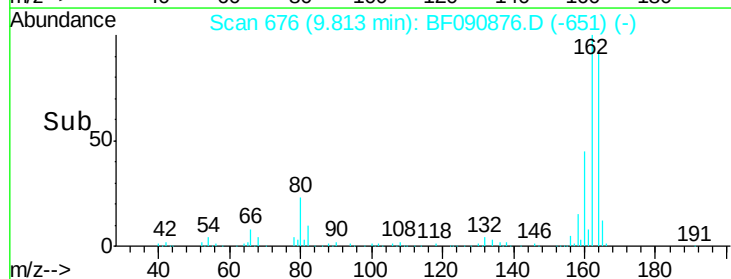
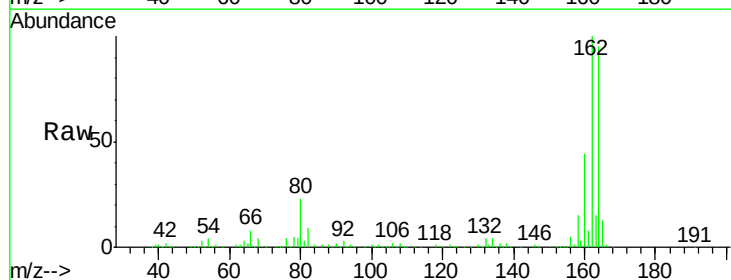
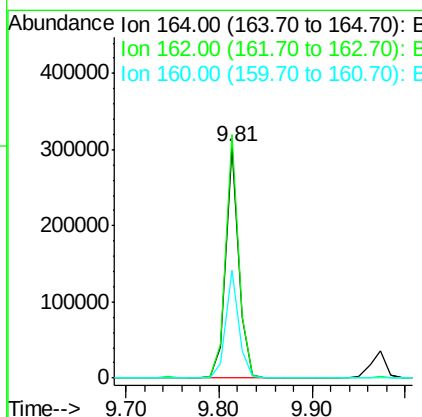
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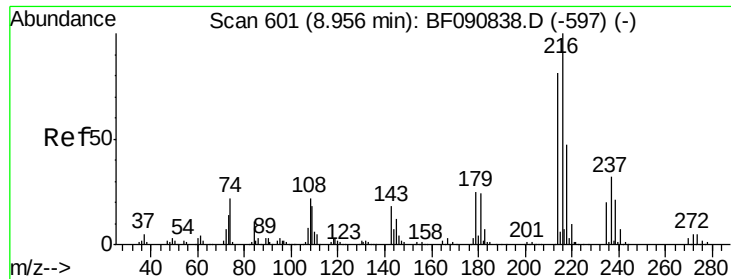
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.81 min Scan# 676  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.3 | 75.2  | 112.8 |
| 160     | 46.8  | 31.5  | 47.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 49.64 ng

RT: 8.94 min Scan# 600

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

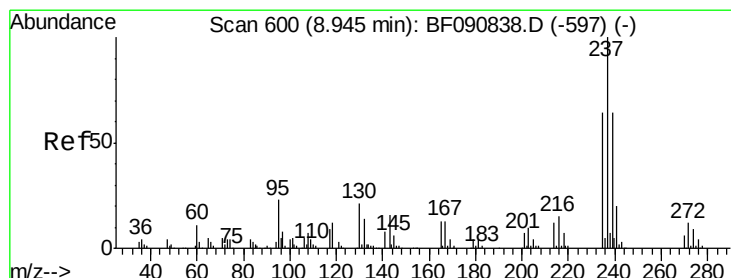
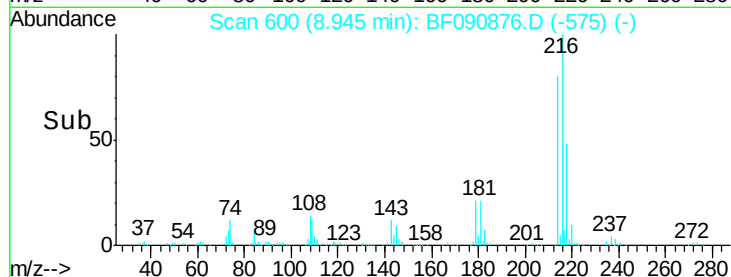
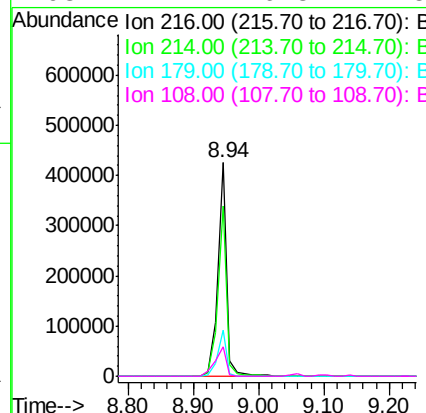
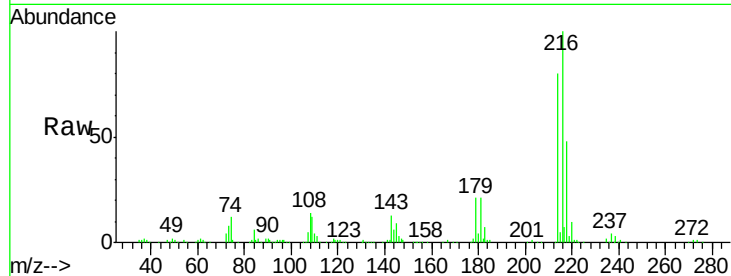
ClientSampleId :

PB94343BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 406539 |       |       |
| 214     | 79.8 |       | 63.5   | 95.3  |       |
| 179     | 21.4 |       | 16.6   | 24.8  |       |
| 108     | 17.7 |       | 16.3   | 24.5  |       |

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#40

Hexachlorocyclopentadiene

Concen: 119.07 ng

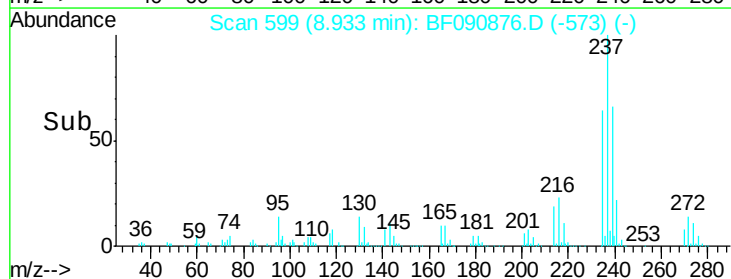
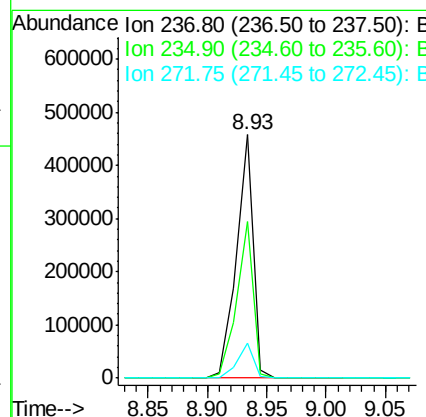
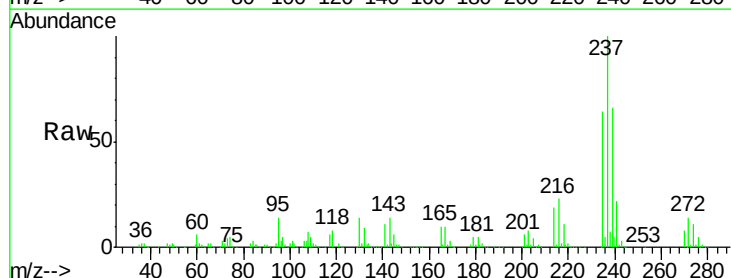
RT: 8.93 min Scan# 599

Delta R.T. 0.00 min

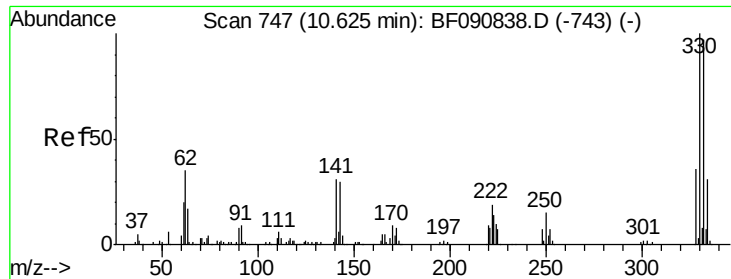
Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 448638 |       |       |
| 235     | 64.4 |       | 42.0   | 82.0  |       |
| 272     | 14.5 |       | 0.0    | 36.1  |       |







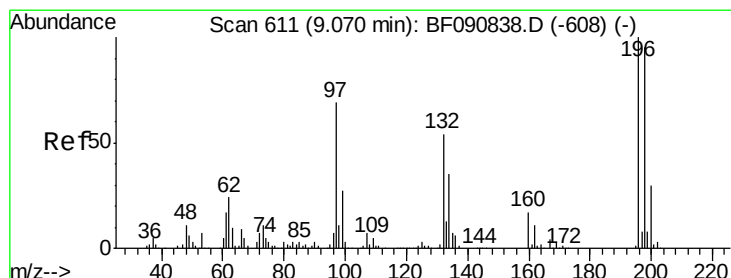
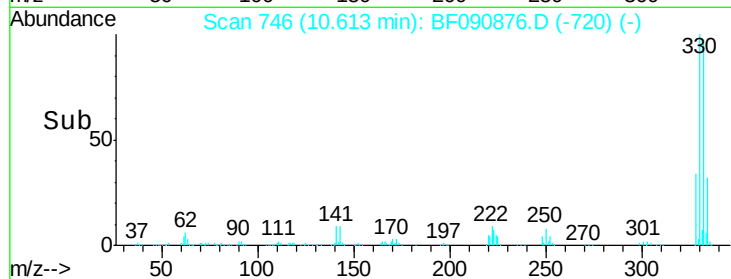
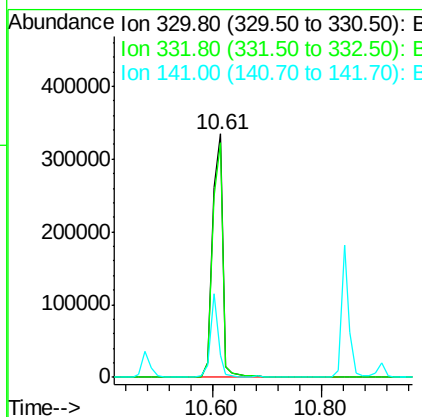
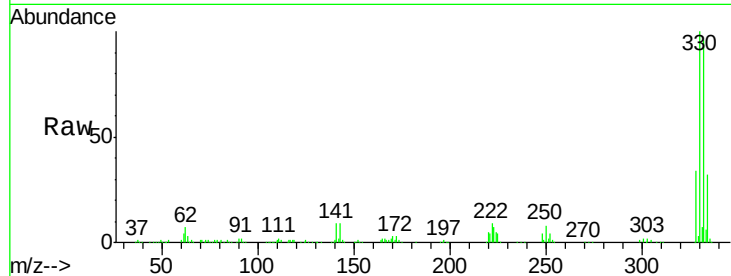
#41  
 2,4,6-Tribromophenol  
 Concen: 146.90 ng  
 RT: 10.61 min Scan# 746  
 Delta R.T. 0.00 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94343BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 450705 |       |       |
| 332     | 96.0  | 76.6   | 114.8 |       |
| 141     | 25.6  | 29.7   | 44.5# |       |

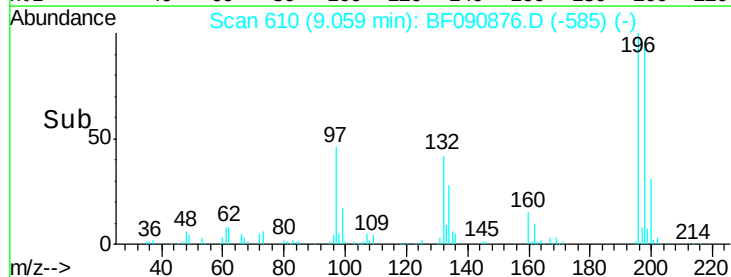
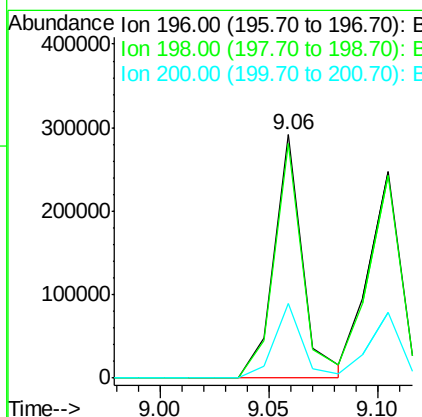
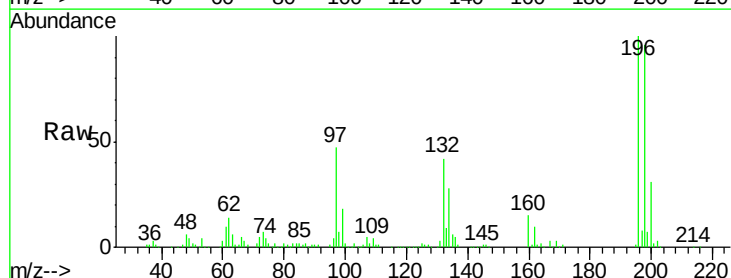
Manual Integrations  
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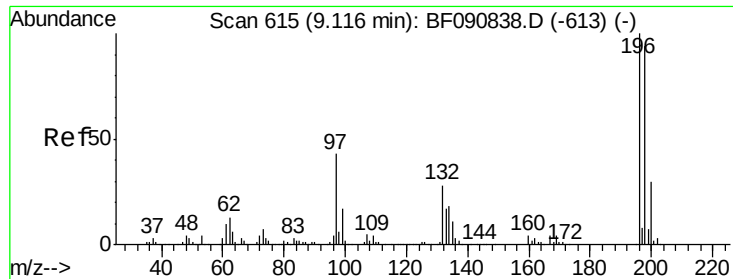
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#42  
 2,4,6-Trichlorophenol  
 Concen: 50.86 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 268904 |       |       |
| 198     | 96.2  | 75.7   | 113.5 |       |
| 200     | 30.9  | 23.9   | 35.9  |       |





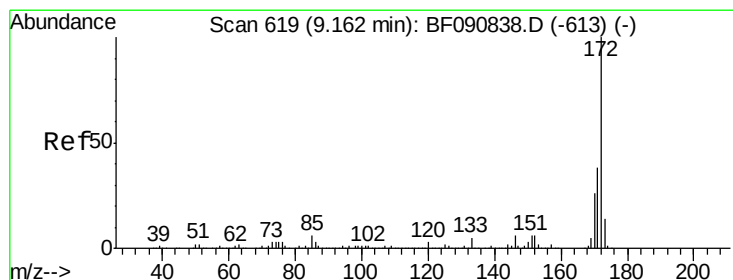
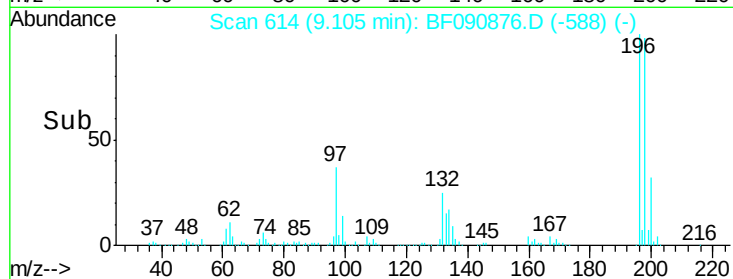
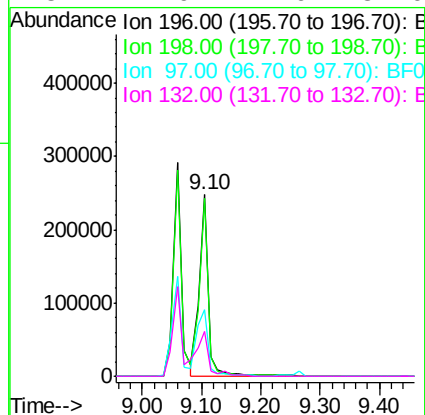
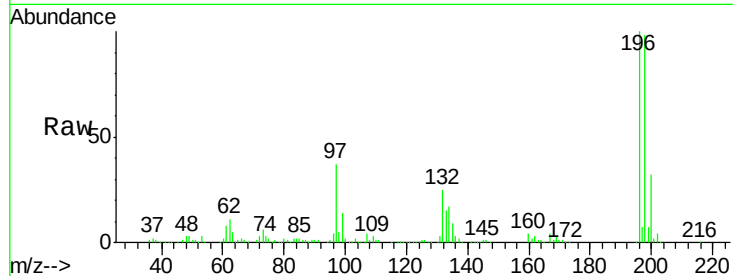
#43  
 2,4,5-Trichlorophenol  
 Concen: 50.20 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.00 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 273374 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 98.0  | 75.4  | 113.0  |
| 97        | 36.6  | 33.3  | 49.9   |
| 132       | 24.9  | 24.6  | 37.0   |

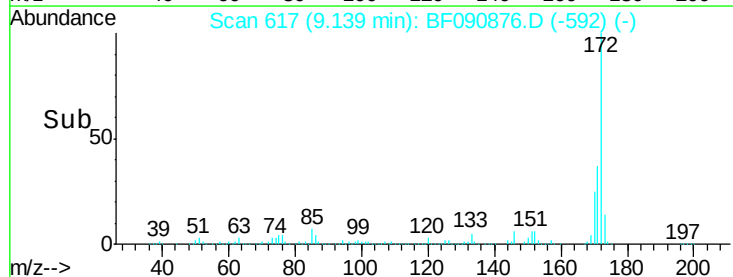
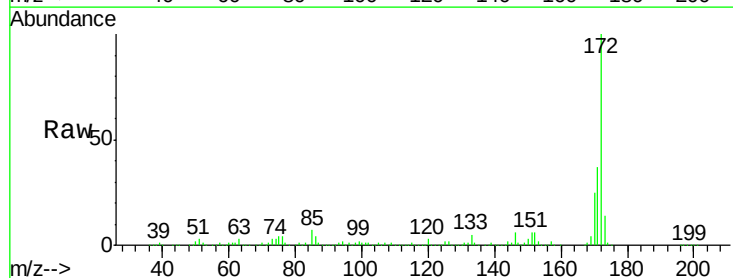
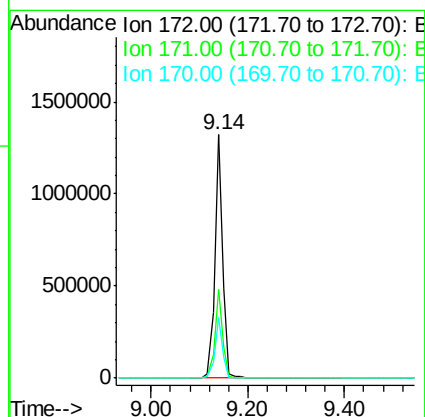
Manual Integrations  
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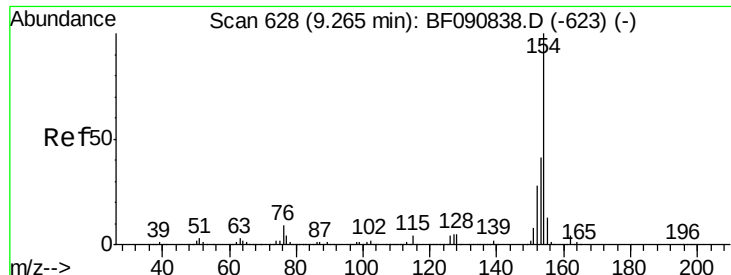
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#44  
 2-Fluorobiphenyl  
 Concen: 91.24 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1551196 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.6  | 26.1  | 39.1    |
| 170       | 24.7  | 17.4  | 26.2    |





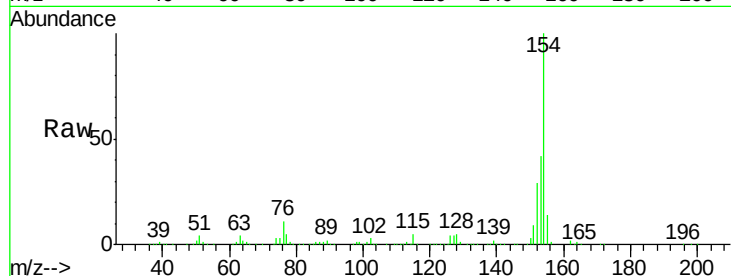
#45  
1,1'-Biphenyl  
Concen: 47.85 ng  
RT: 9.24 min Scan# 626  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 17.1  | 57.1  |
| 76      | 11.3  | 0.0   | 31.6  |

Manual Integrations  
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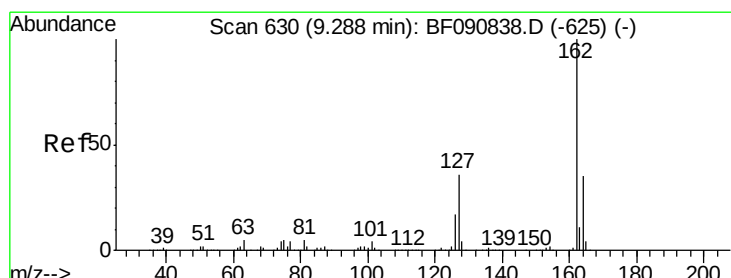
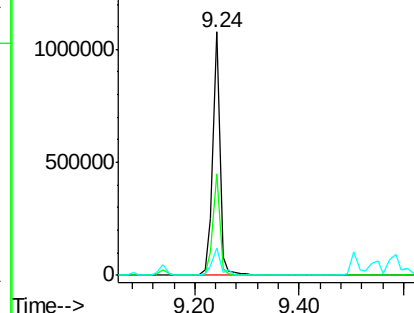
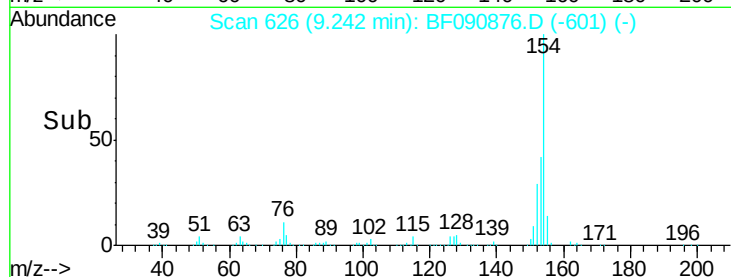


Abundance

Ion 154.00 (153.70 to 154.70): E

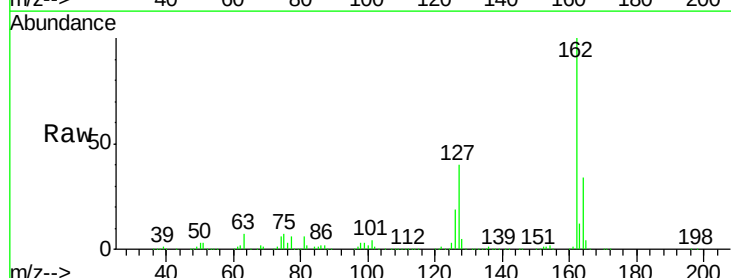
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46  
2-Chloronaphthalene  
Concen: 49.56 ng  
RT: 9.26 min Scan# 628  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.1  | 27.6  | 41.4  |
| 164     | 33.6  | 25.4  | 38.2  |

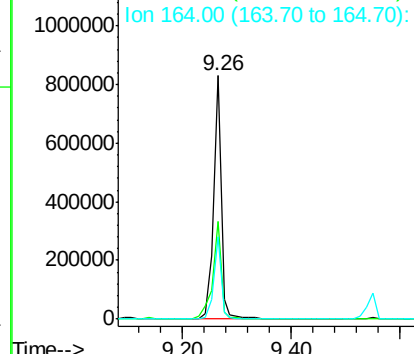
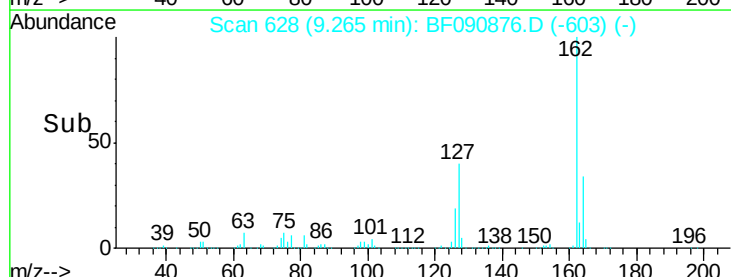


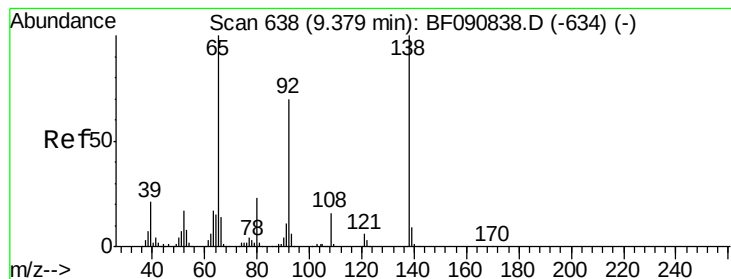
Abundance

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





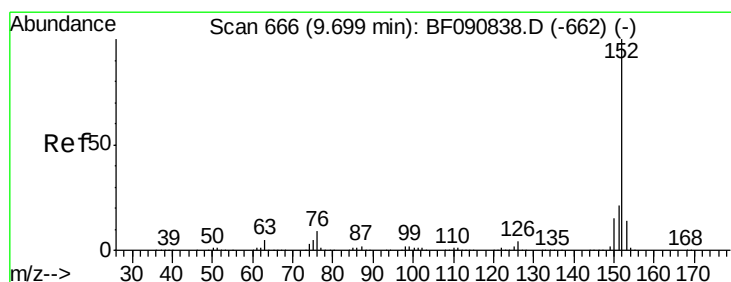
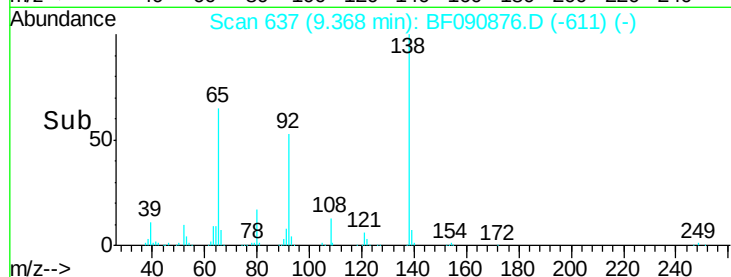
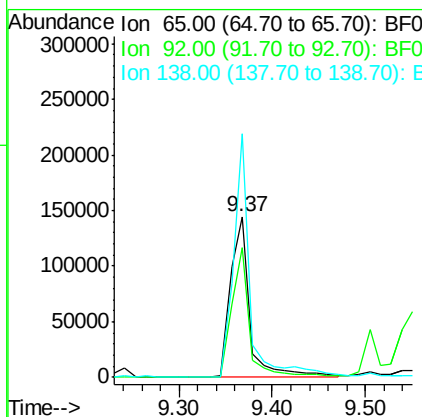
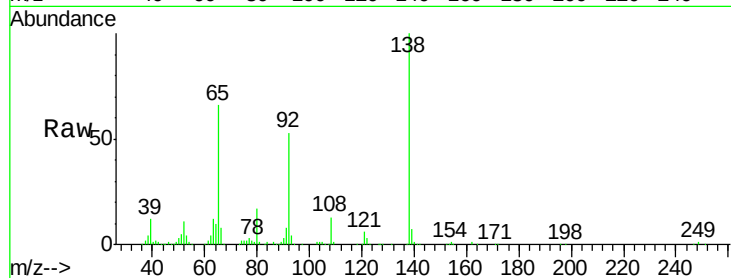
#47  
2-Nitroaniline  
Concen: 45.43 ng  
RT: 9.37 min Scan# 637  
Delta R.T. -0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 81.0  | 55.4  | 83.0  |
| 138     | 151.7 | 115.5 | 173.3 |

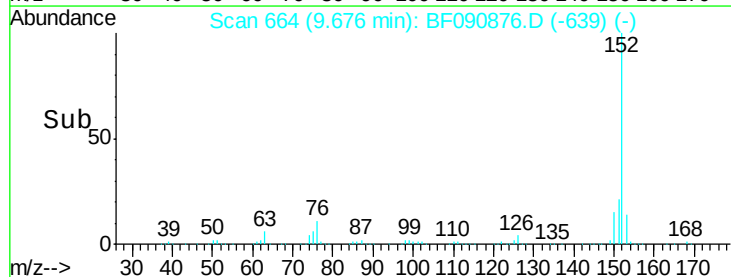
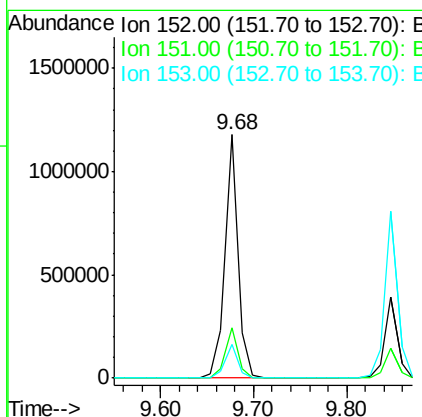
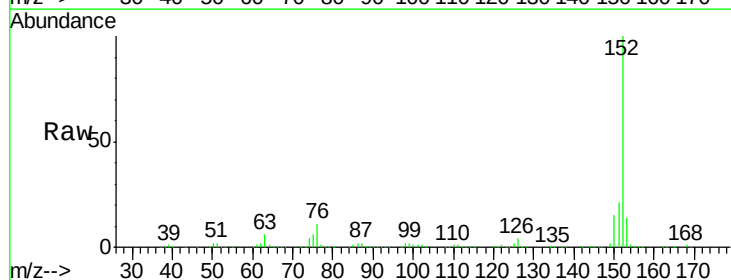
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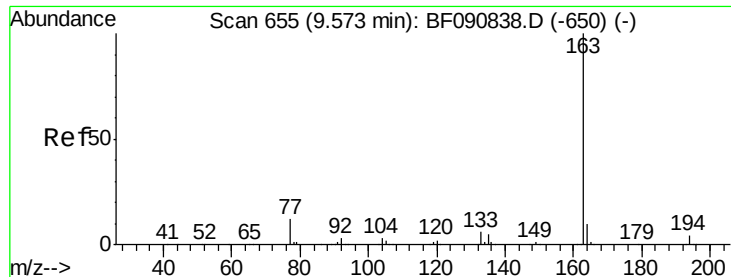
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#48  
Acenaphthylene  
Concen: 46.35 ng  
RT: 9.68 min Scan# 664  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 14.6  | 22.0  |
| 153     | 13.7  | 10.3  | 15.5  |





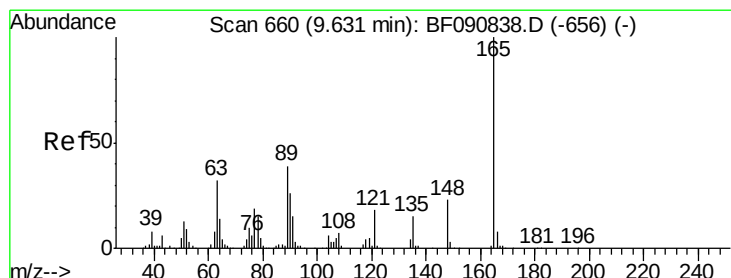
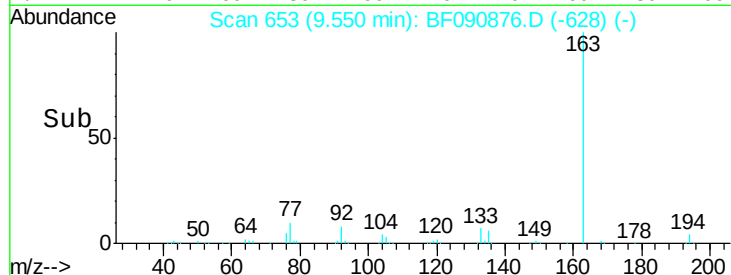
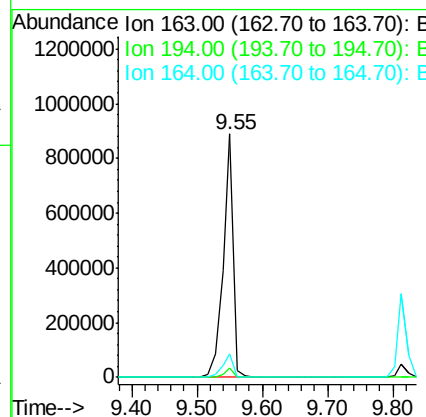
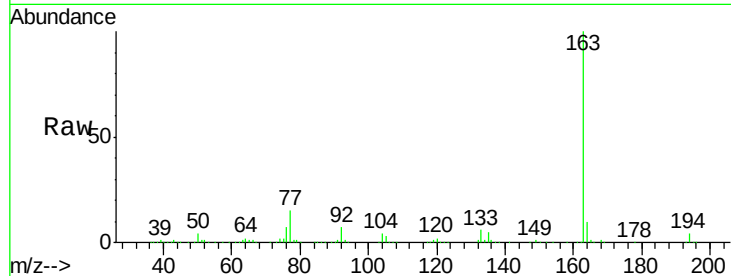
#49  
Dimethylphthalate  
Concen: 48.57 ng  
RT: 9.55 min Scan# 653  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampled :  
PB94343BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 968807 |       |       |
| 194     | 4.0   |        | 4.4   | 6.6#  |
| 164     | 9.8   |        | 8.3   | 12.5  |

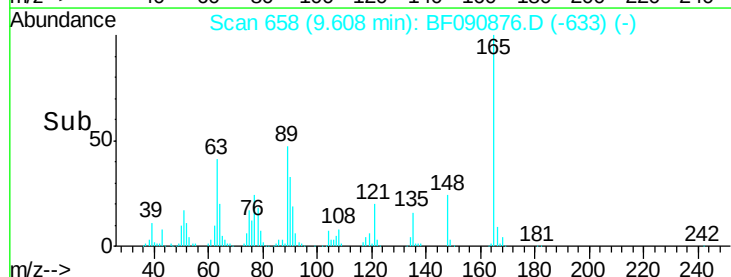
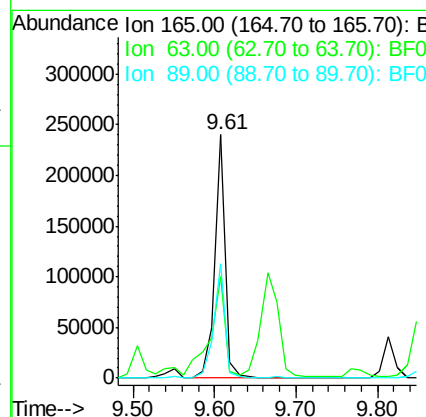
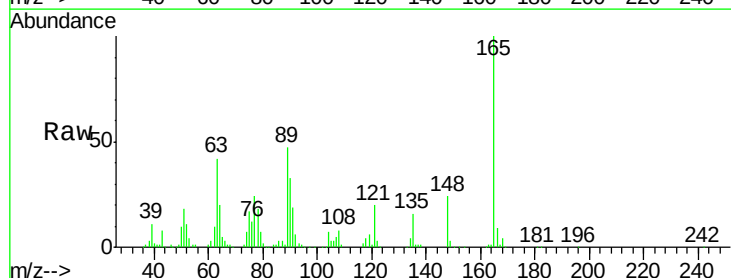
Manual Integrations  
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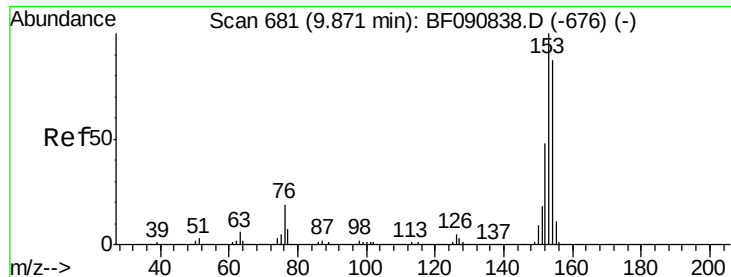
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#50  
2,6-Dinitrotoluene  
Concen: 50.04 ng  
RT: 9.61 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 220425 |       |       |
| 63      | 41.5  |        | 32.3  | 48.5  |
| 89      | 47.1  |        | 28.6  | 43.0# |





#51

Acenaphthene

Concen: 46.88 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

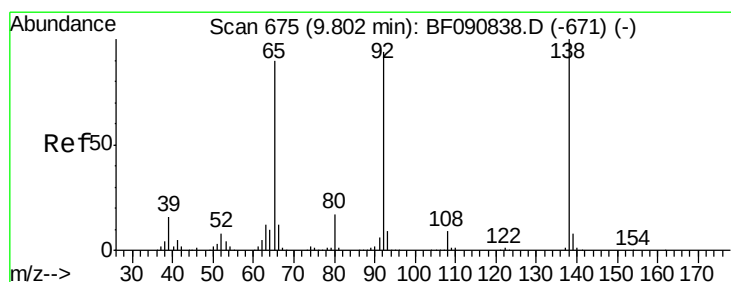
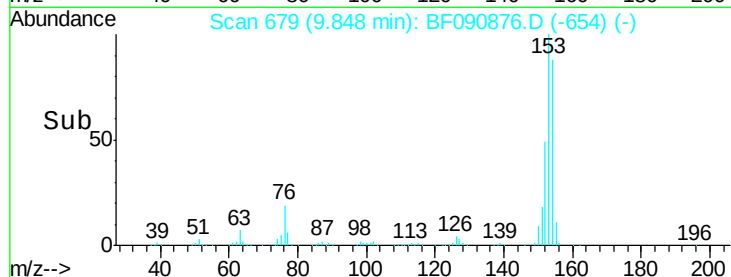
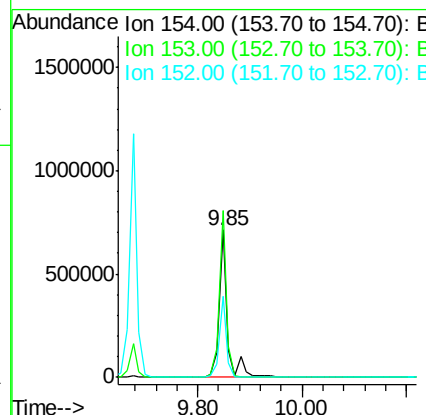
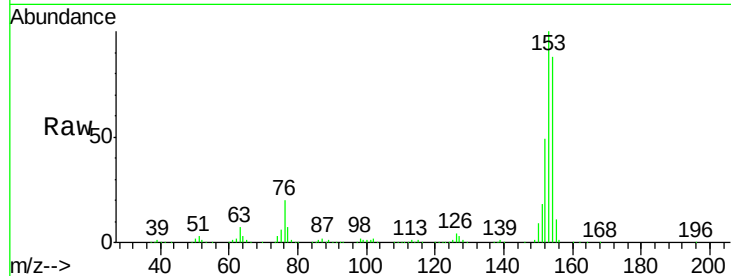
ClientSampleId :

PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 799758 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.5 | 82.1  | 123.1  |
| 152       | 55.3  | 37.9  | 56.9   |

Manual Integrations  
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#52

3-Nitroaniline

Concen: 18.98 ng

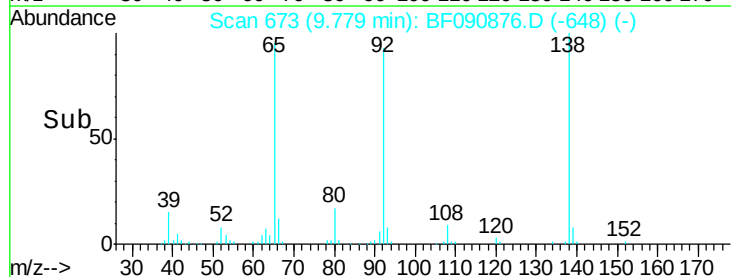
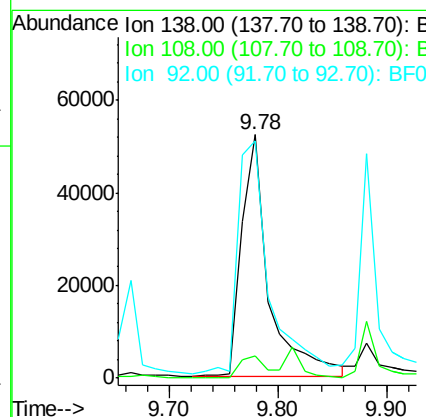
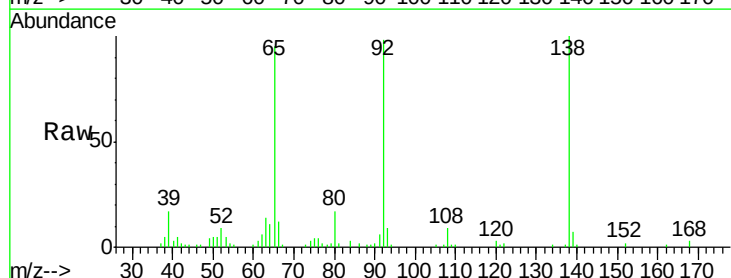
RT: 9.78 min Scan# 673

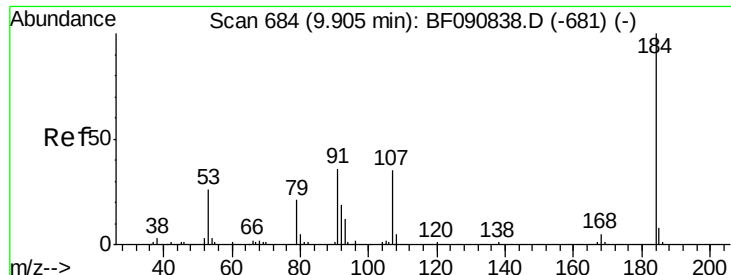
Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 89007 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.2   | 5.7   | 8.5#  |
| 92        | 97.5  | 67.7  | 101.5 |





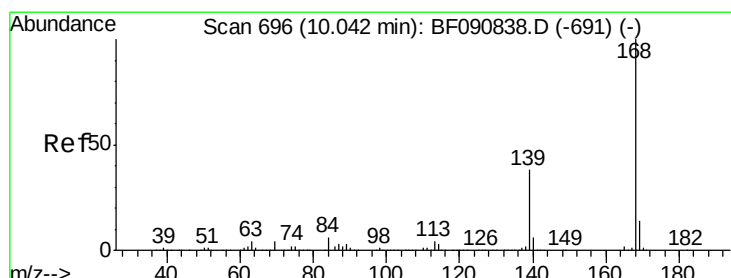
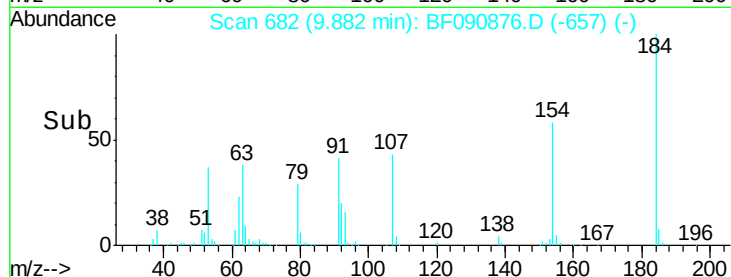
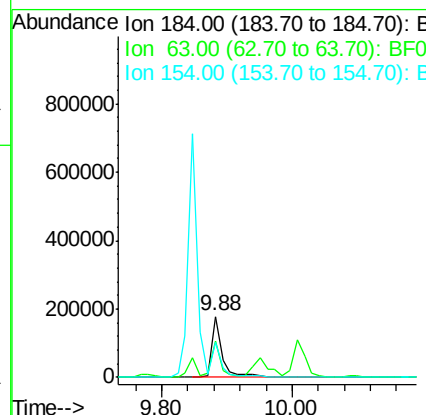
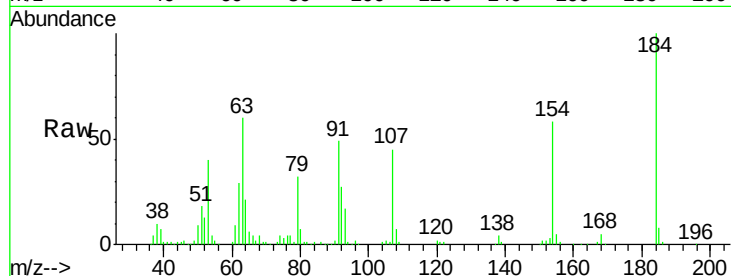
#53  
2,4-Dinitrophenol  
Concen: 87.04 ng  
RT: 9.88 min Scan# 682  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleID :  
PB94343BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 60.0  | 35.4 | 53.2# |       |
| 154     | 58.3  | 32.2 | 48.4# |       |

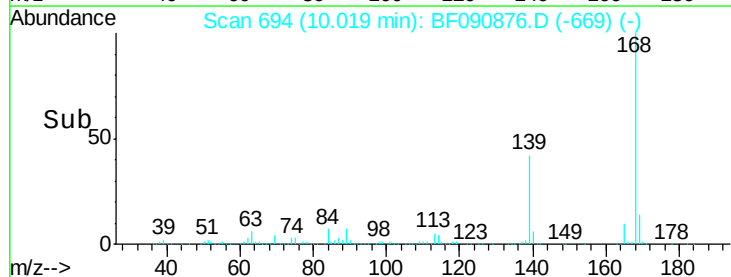
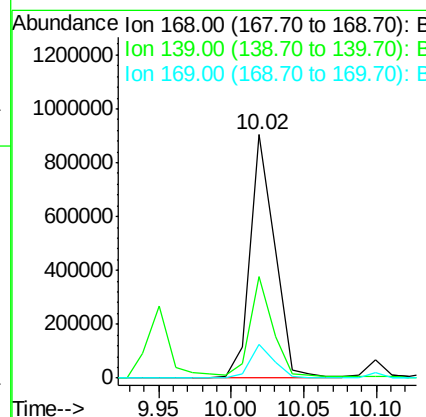
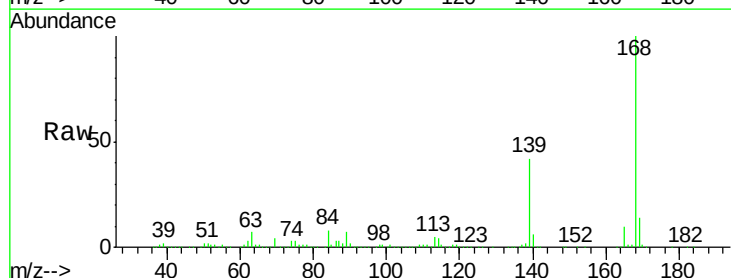
Manual Integrations  
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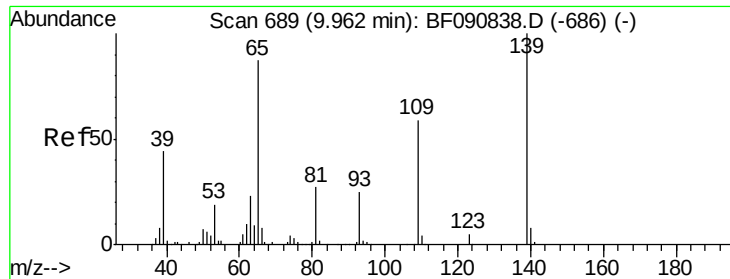
sohil  
10/28/2016 5:22:15 PM



#54  
Dibenzofuran  
Concen: 48.30 ng  
RT: 10.02 min Scan# 694  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 41.7  | 24.2 | 36.2# |       |
| 169     | 14.1  | 10.6 | 15.8  |       |





#55

4-Nitrophenol

Concen: 108.02 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

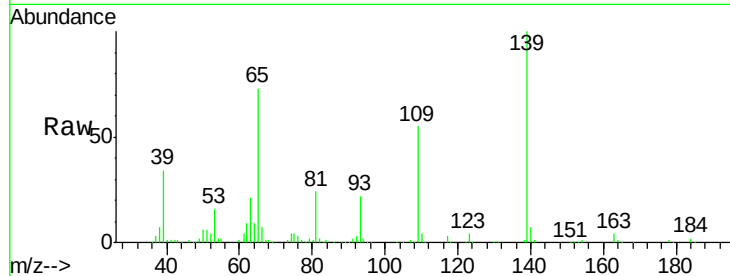
ClientSampled :

PB94343BS

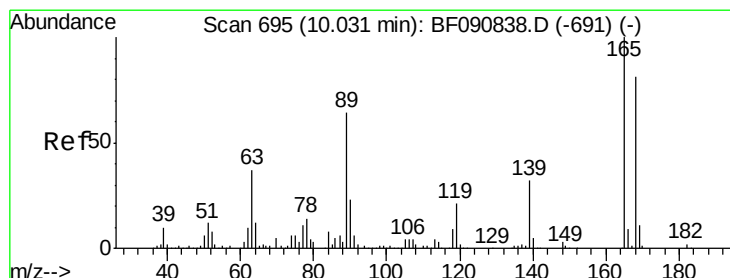
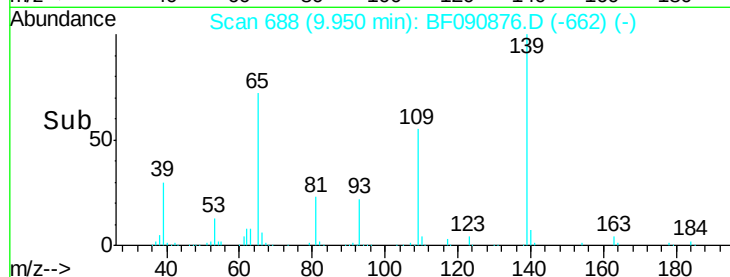
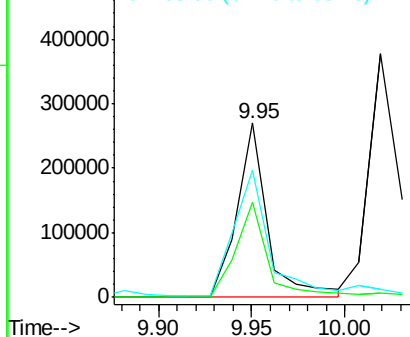
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 308926 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 54.9  | 12.7  | 52.7#  |
| 65        | 72.7  | 45.9  | 85.9   |

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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: 46.77 ng

RT: 10.01 min Scan# 693

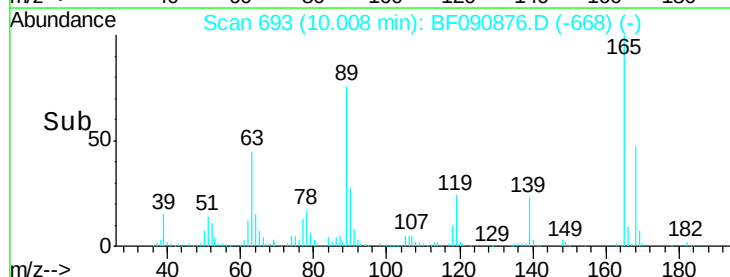
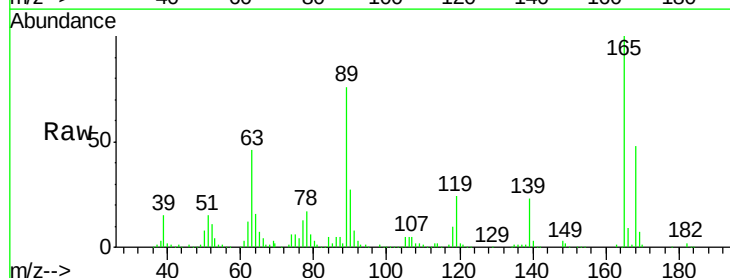
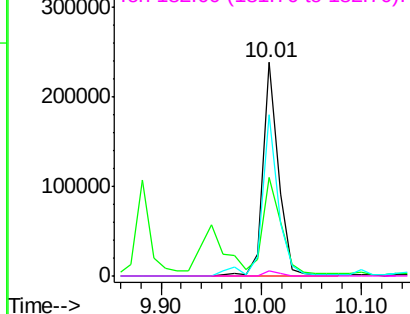
Delta R.T. -0.01 min

Lab File: BF090876.D

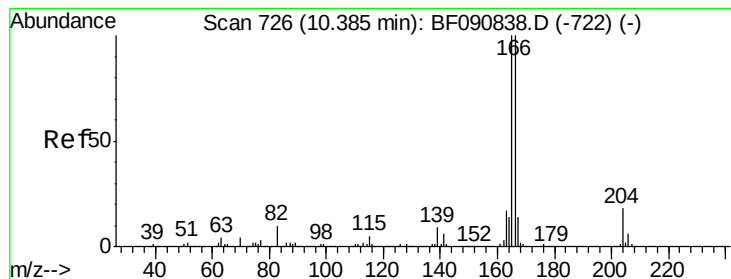
Acq: 27 Oct 2016 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 255964 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 46.0  | 29.8  | 44.6#  |
| 89        | 75.8  | 44.5  | 66.7#  |
| 182       | 2.2   | 3.0   | 4.4#   |

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: 43.83 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

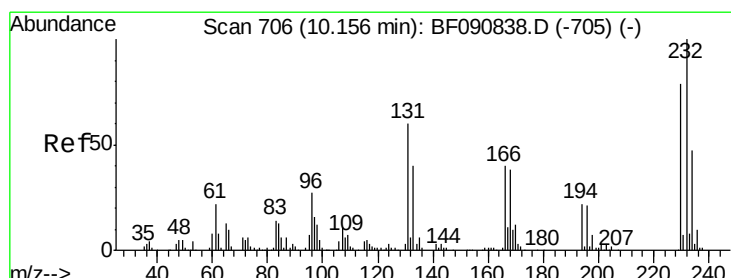
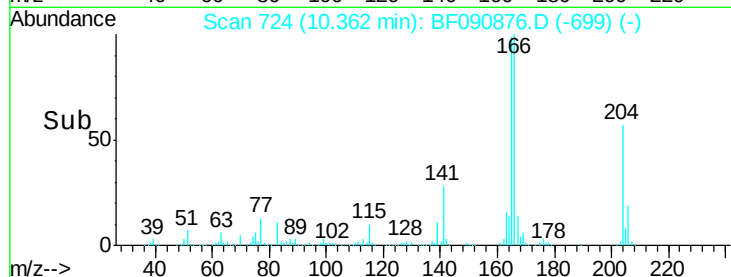
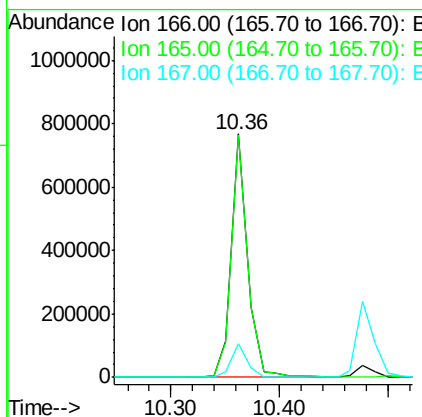
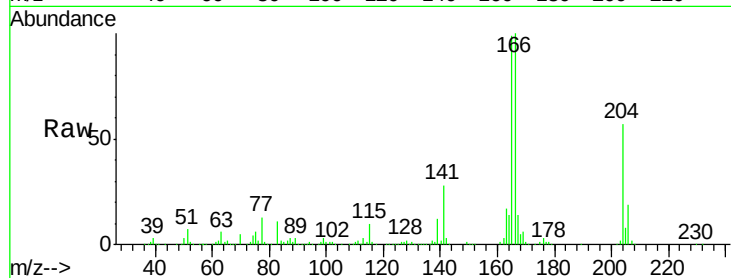
ClientSampleID :

PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 790343 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 99.4  | 72.6  | 109.0  |
| 167       | 13.8  | 10.6  | 16.0   |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 51.12 ng

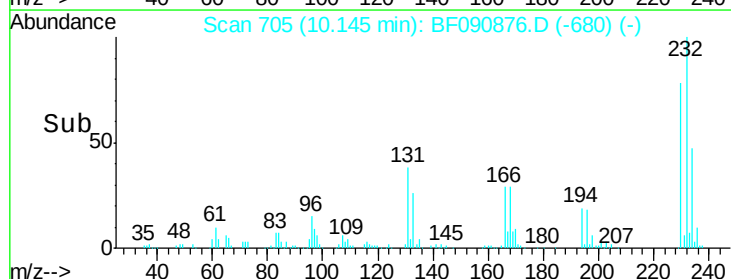
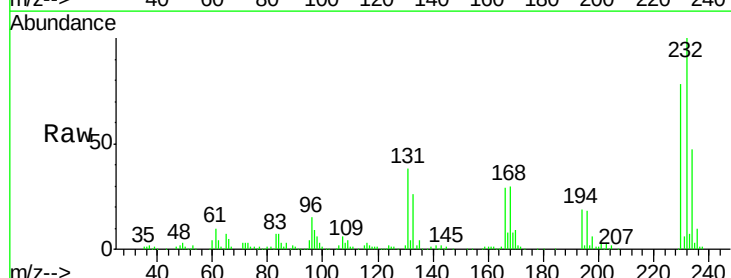
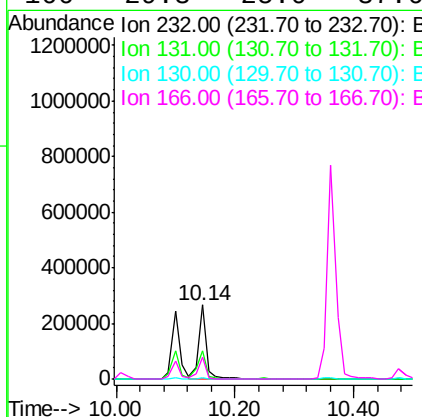
RT: 10.14 min Scan# 705

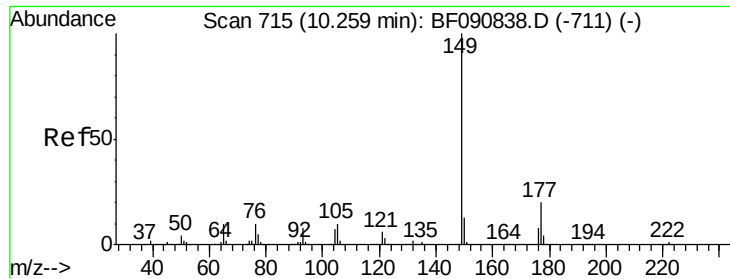
Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 248606 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 42.8  | 38.5  | 57.7   |
| 130       | 1.9   | 1.8   | 2.6    |
| 166       | 29.3  | 25.0  | 37.6   |





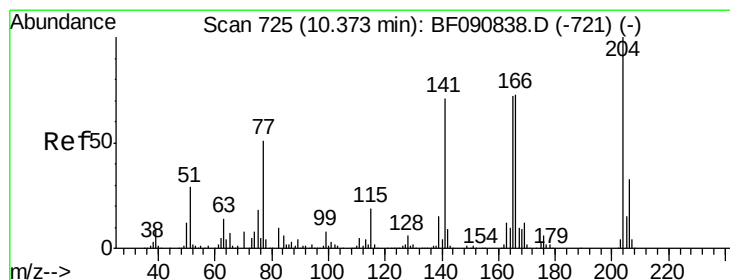
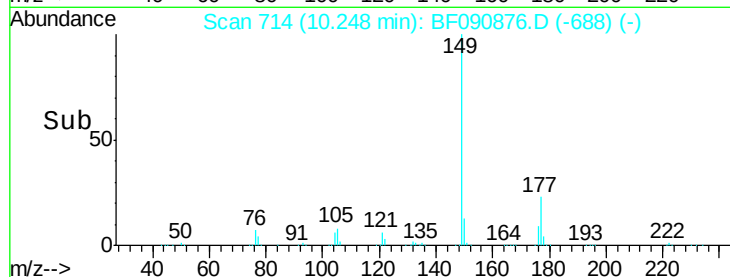
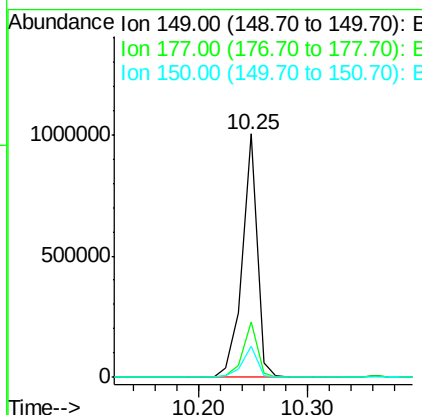
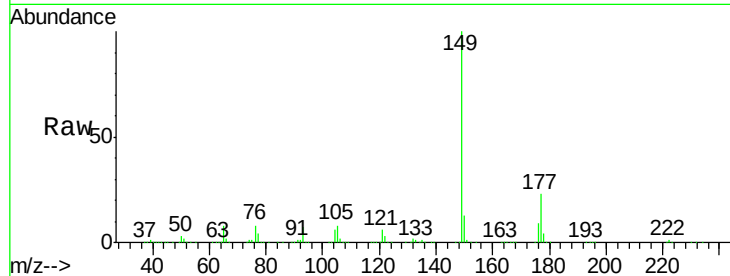
#59  
Diethylphthalate  
Concen: 47.94 ng  
RT: 10.25 min Scan# 714  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampled :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.7  | 17.5  | 26.3  |
| 150     | 12.6  | 9.4   | 14.2  |

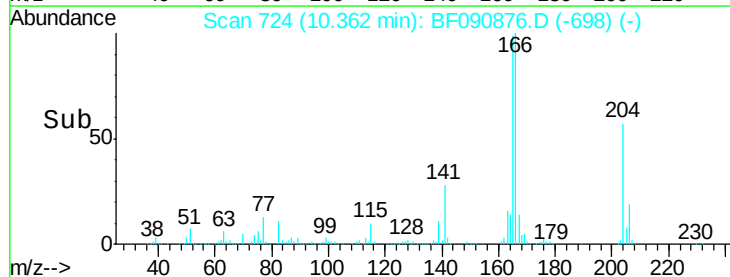
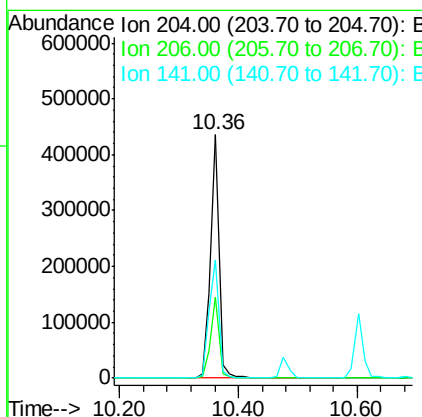
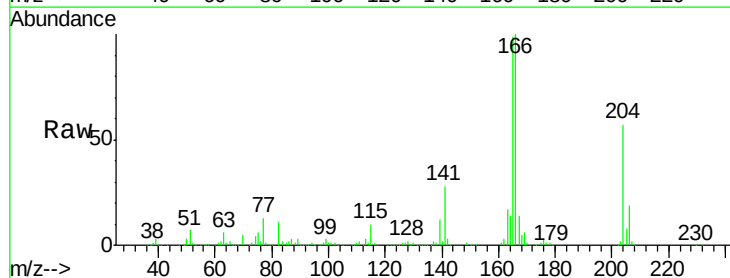
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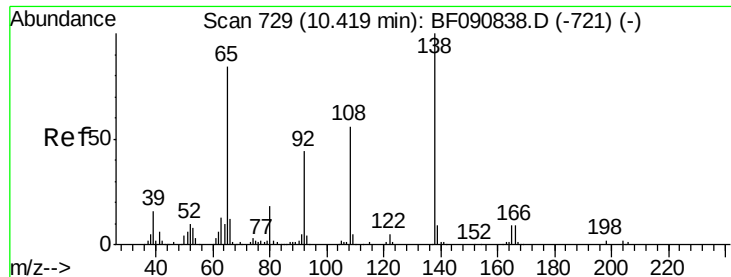
sohil  
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#60  
4-Chlorophenyl-phenylether  
Concen: 49.69 ng  
RT: 10.36 min Scan# 724  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 24.8  | 37.2  |
| 141     | 48.6  | 42.2  | 63.4  |





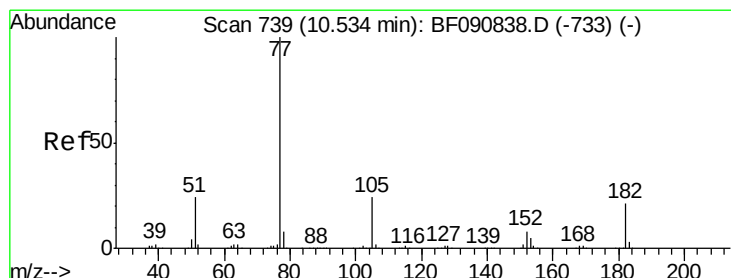
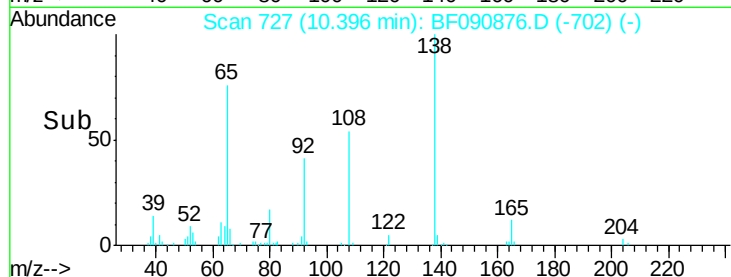
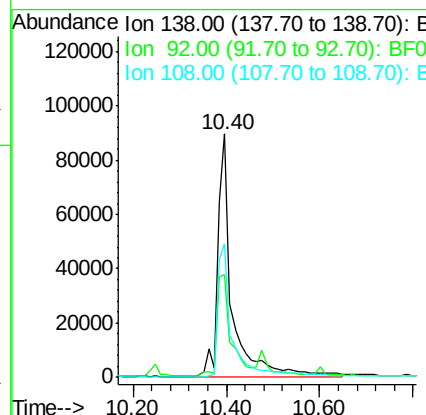
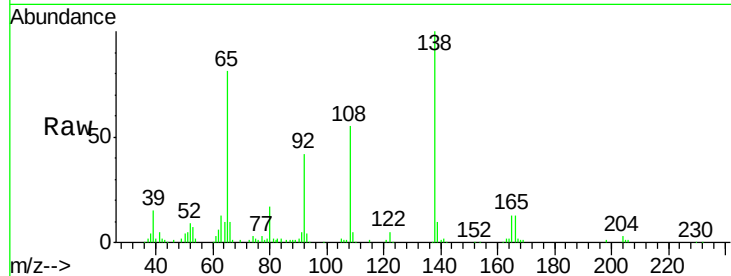
#61  
4-Nitroaniline  
Concen: 42.52 ng  
RT: 10.40 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 42.0  | 12.6  | 52.6  |
| 108     | 54.7  | 12.4  | 52.4  |

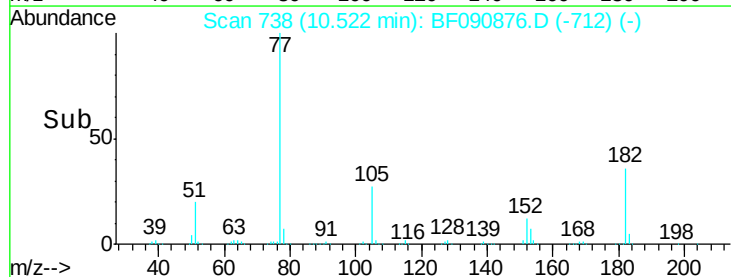
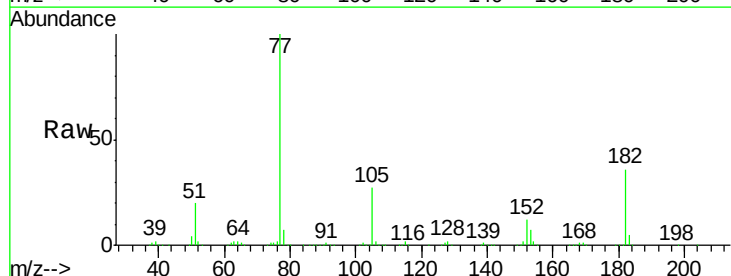
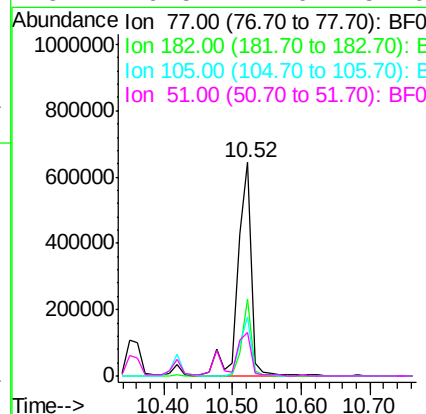
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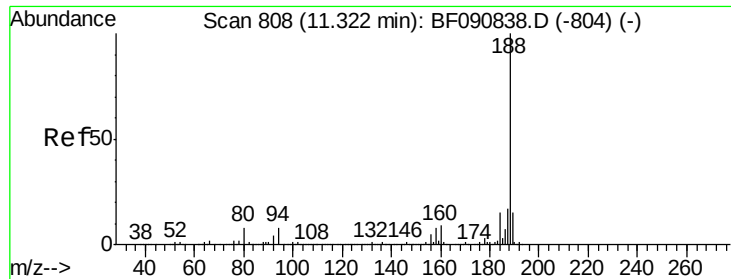
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#62  
Azobenzene  
Concen: 45.32 ng  
RT: 10.52 min Scan# 738  
Delta R.T. -0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 35.9  | 15.1  | 55.1  |
| 105     | 27.4  | 3.4   | 43.4  |
| 51      | 20.5  | 12.0  | 52.0  |





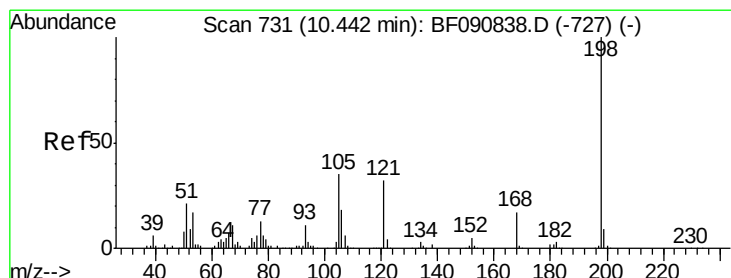
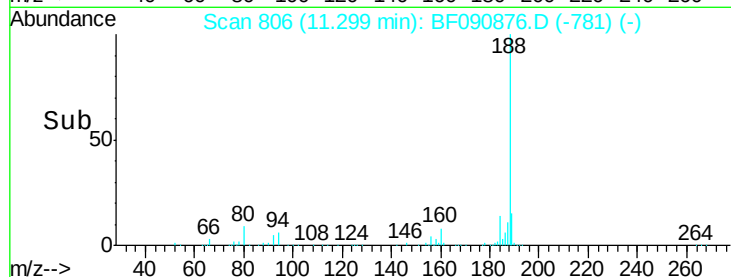
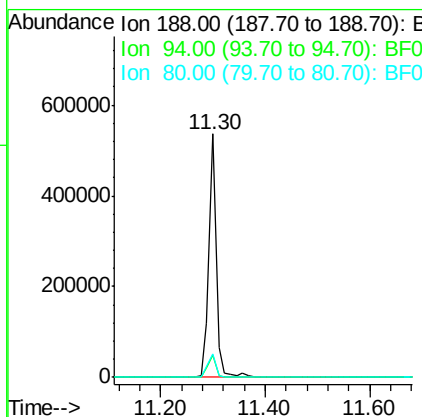
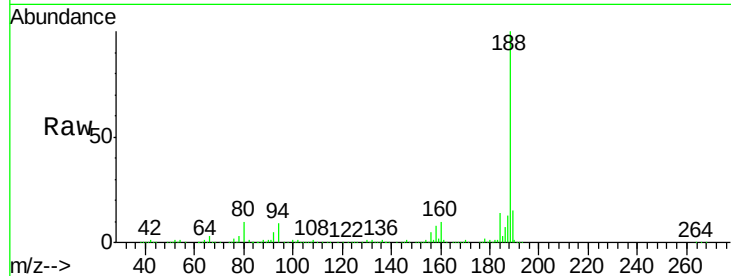
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampled :  
PB94343BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 524922 |       |       |
| 94      | 9.0   | 11.1   | 16.7# |       |
| 80      | 9.6   | 11.0   | 16.4# |       |

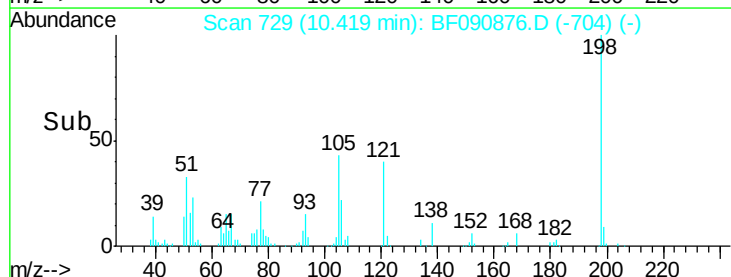
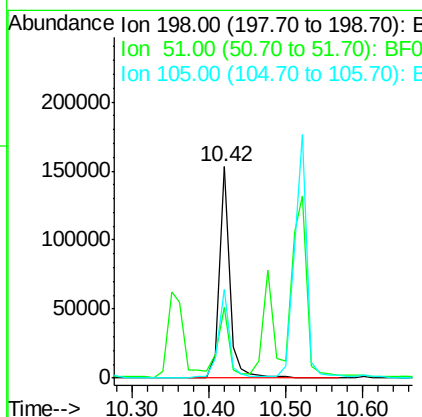
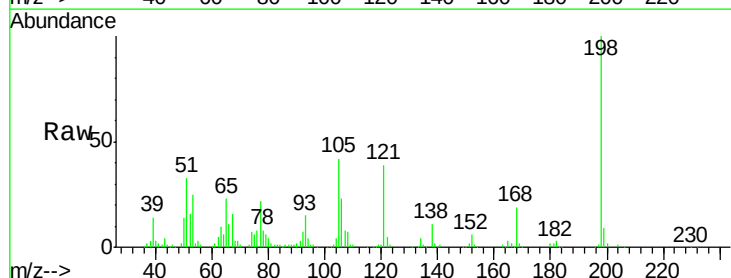
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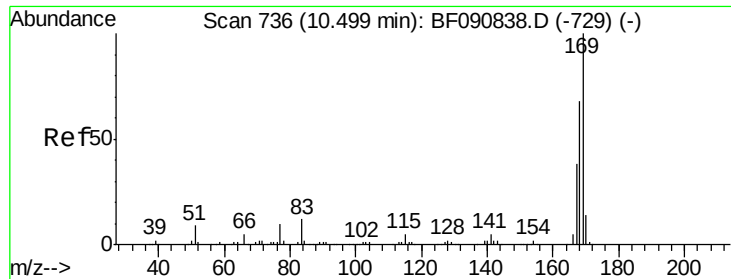
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.64 ng  
RT: 10.42 min Scan# 729  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 144910 |       |       |
| 51      | 33.2  | 39.6   | 79.6# |       |
| 105     | 42.2  | 28.5   | 68.5  |       |





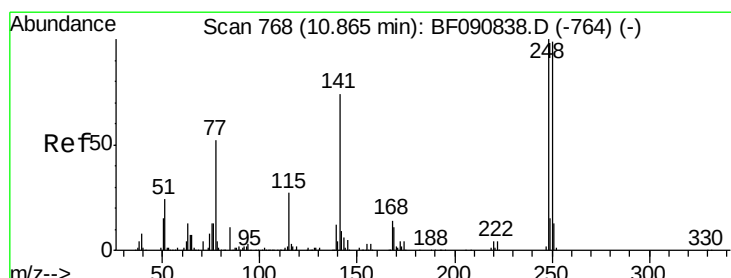
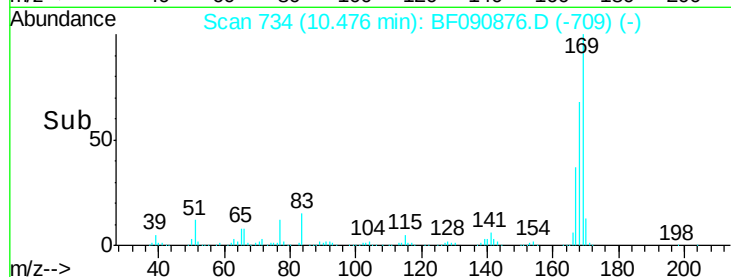
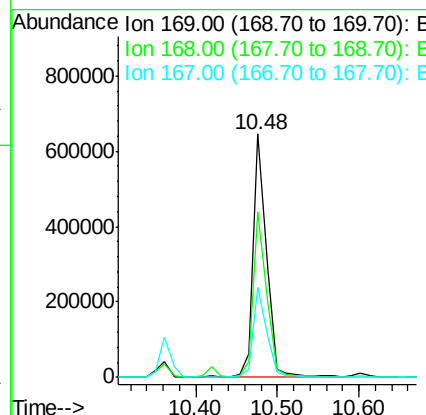
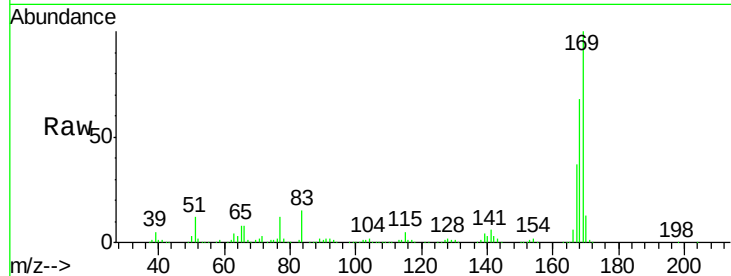
#65  
n-Nitrosodiphenylamine  
Concen: 44.97 ng  
RT: 10.48 min Scan# 734  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 723164 |       |       |
| 168     | 67.9  | 48.9   | 73.3  |       |
| 167     | 37.0  | 26.2   | 39.4  |       |

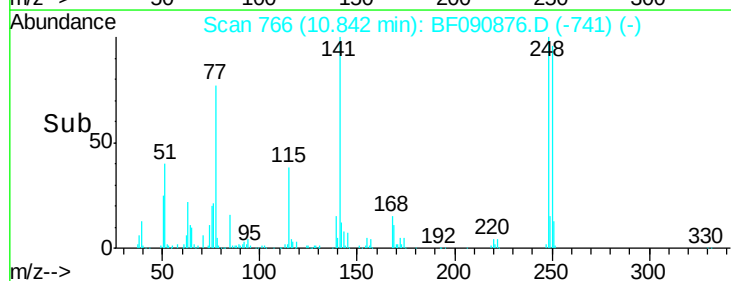
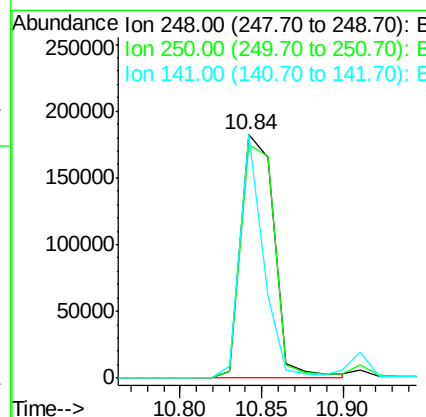
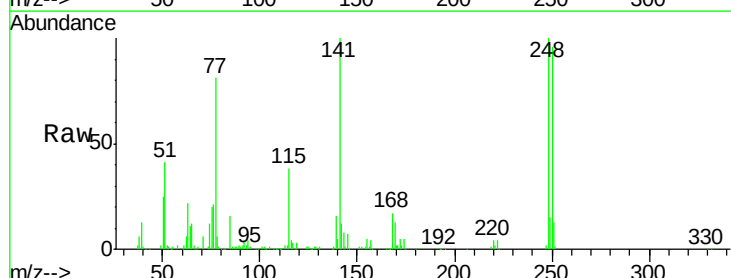
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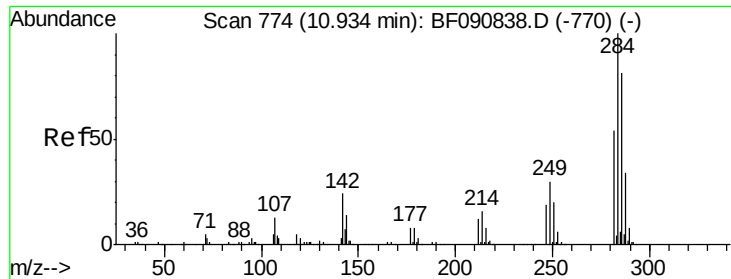
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#66  
4-Bromophenyl-phenylether  
Concen: 44.52 ng  
RT: 10.84 min Scan# 766  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 255934 |       |       |
| 250     | 95.8  | 78.5   | 117.7 |       |
| 141     | 99.9  | 59.0   | 88.6# |       |





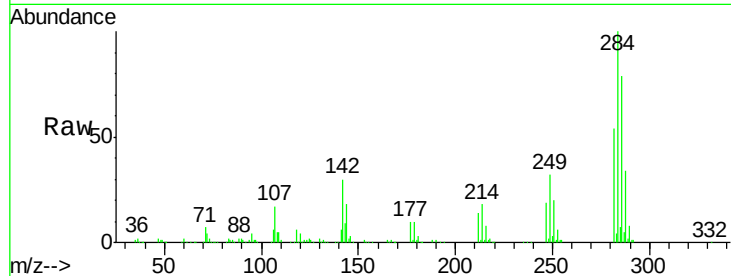
#67  
Hexachlorobenzene  
Concen: 45.40 ng  
RT: 10.91 min Scan# 772  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

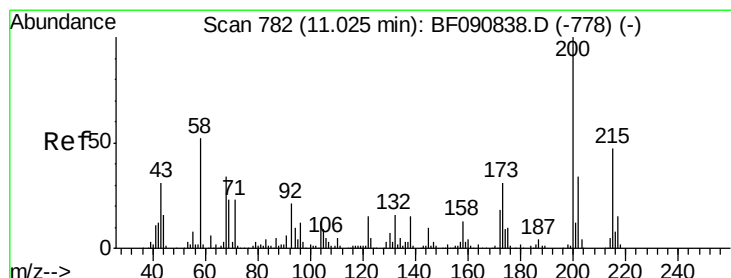
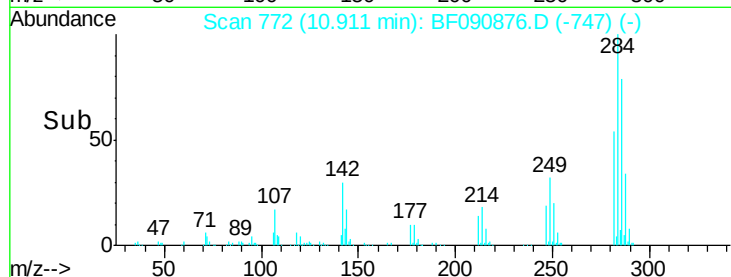
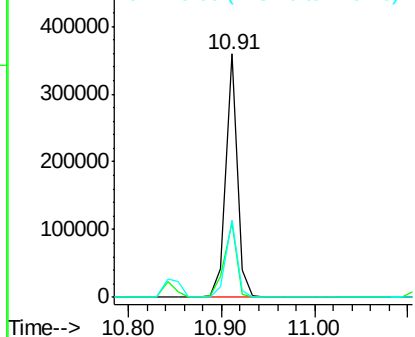
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 30.5  | 29.5 | 44.3  |       |
| 249     | 31.6  | 19.5 | 29.3  |       |

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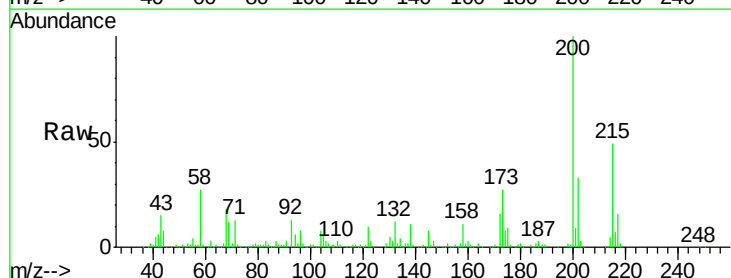


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

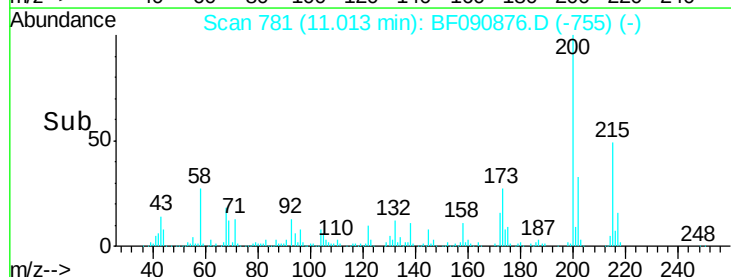
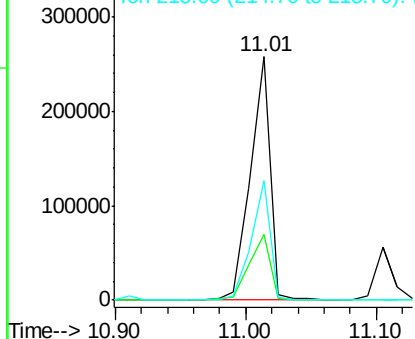


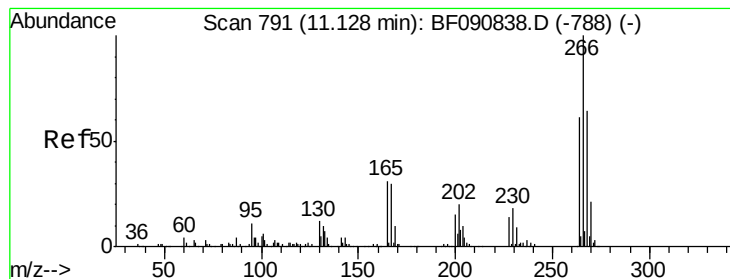
#68  
Atrazine  
Concen: 54.60 ng  
RT: 11.01 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 27.0  | 13.2 | 53.2  |       |
| 215     | 49.3  | 41.8 | 81.8  |       |



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





#69

Pentachlorophenol

Concen: 84.72 ng

RT: 11.10 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

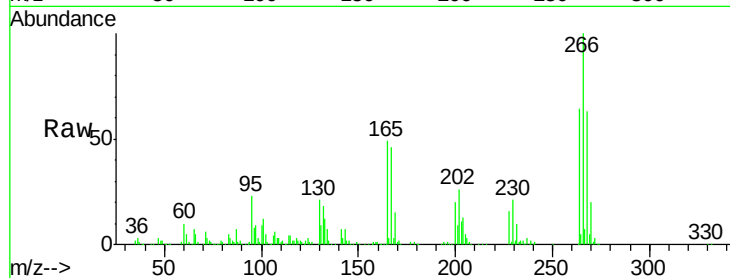
ClientSampleId :

PB94343BS

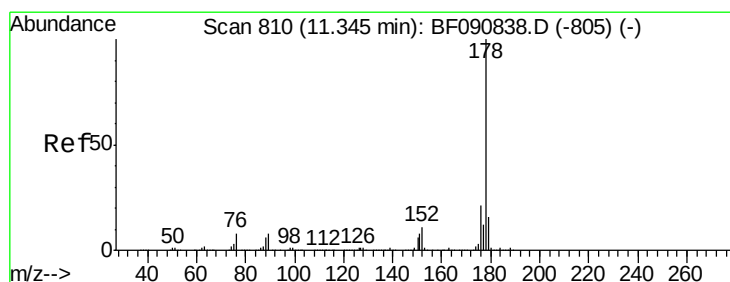
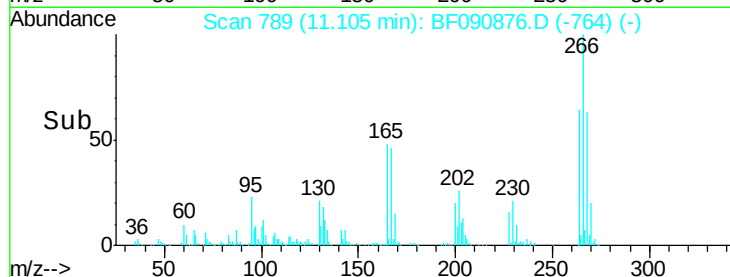
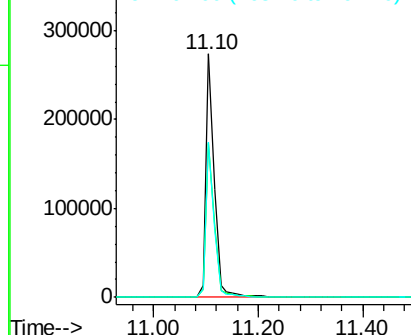
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 266  | Resp: | 309198 |
| Ion Ratio |      | Lower | Upper  |
| 266       | 100  |       |        |
| 268       | 63.2 | 49.8  | 74.6   |
| 264       | 63.6 | 50.2  | 75.2   |

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



#70

Phenanthrene

Concen: 45.55 ng

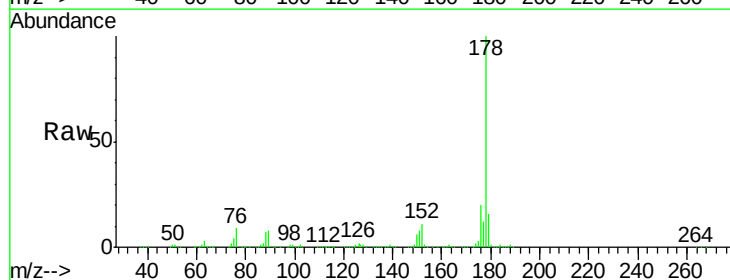
RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

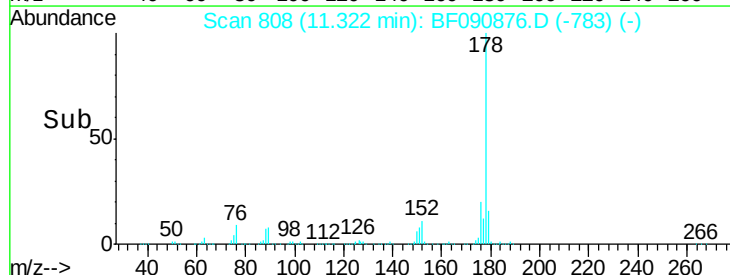
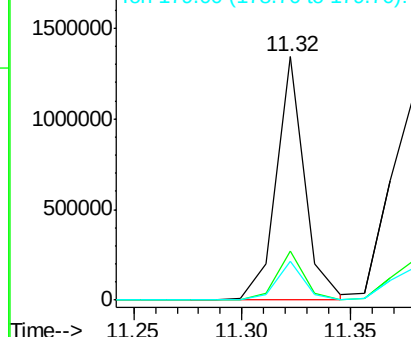
Lab File: BF090876.D

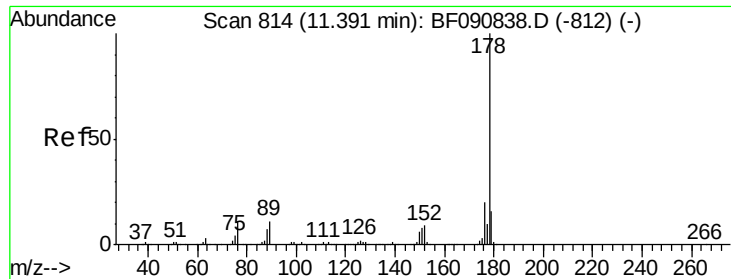
Acq: 27 Oct 2016 19:41

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 178  | Resp: | 1217729 |
| Ion Ratio |      | Lower | Upper   |
| 178       | 100  |       |         |
| 176       | 20.2 | 13.8  | 20.8    |
| 179       | 16.1 | 12.2  | 18.2    |



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





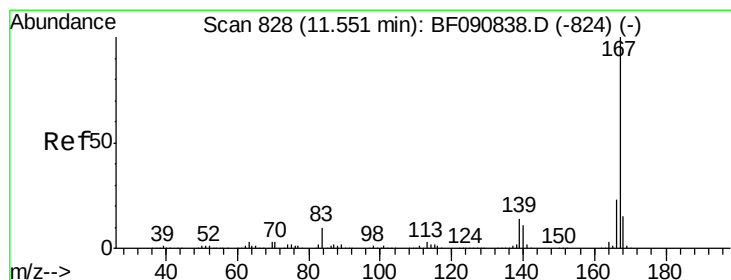
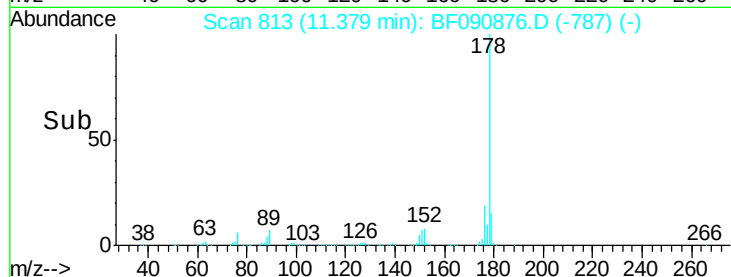
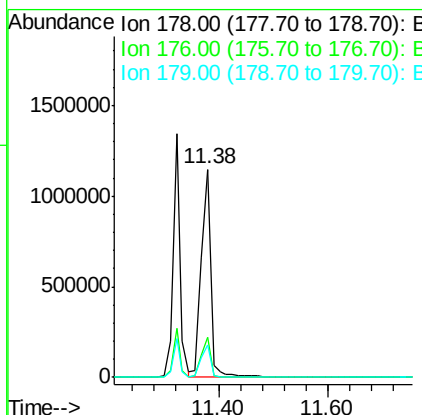
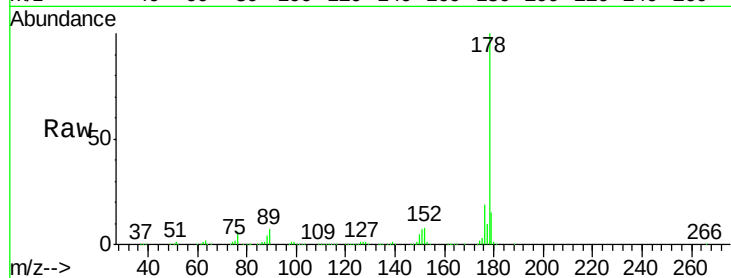
#71  
 Anthracene  
 Concen: 49.19 ng  
 RT: 11.38 min Scan# 813  
 Delta R.T. 0.00 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB94343BS

Tot Ion:178 Resp: 1384685  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 14.1 21.1  
 179 15.5 12.2 18.2

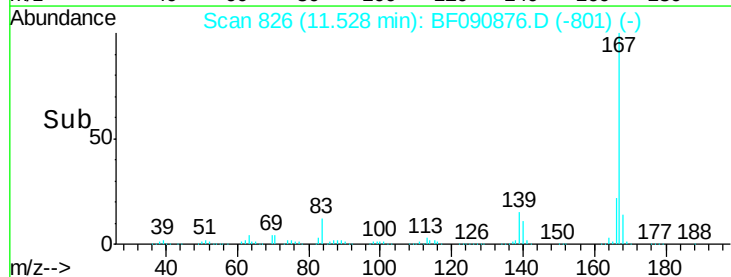
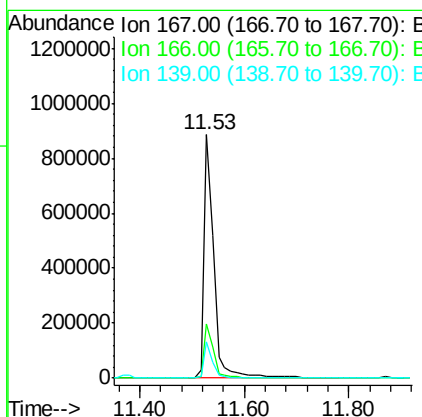
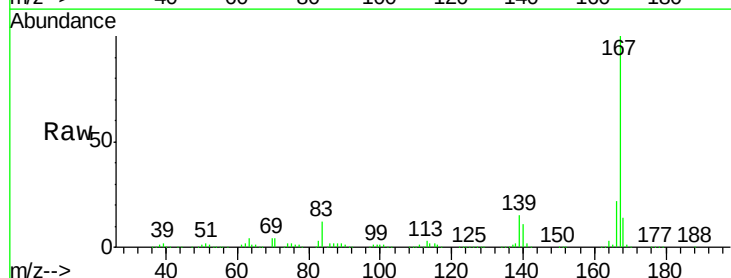
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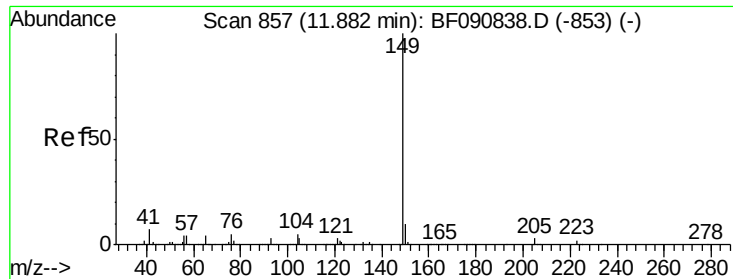


#72  
 Carbazole  
 Concen: 46.72 ng  
 RT: 11.53 min Scan# 826  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Tgt Ion:167 Resp: 1161430  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 15.7 23.5  
 139 14.9 9.5 14.3#







#73

Di-n-butylphthalate

Concen: 49.33 ng

RT: 11.87 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

ClientSampleId :

PB94343BS

Tot Ion:149 Resp: 1580761

Ion Ratio Lower Upper

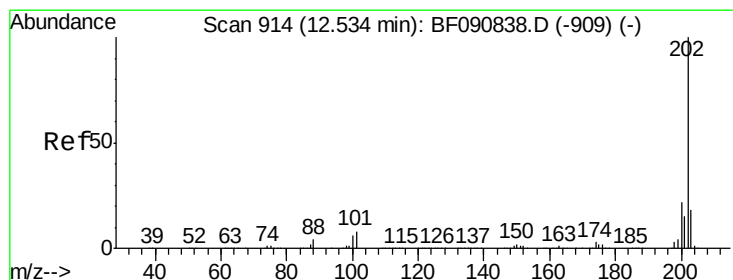
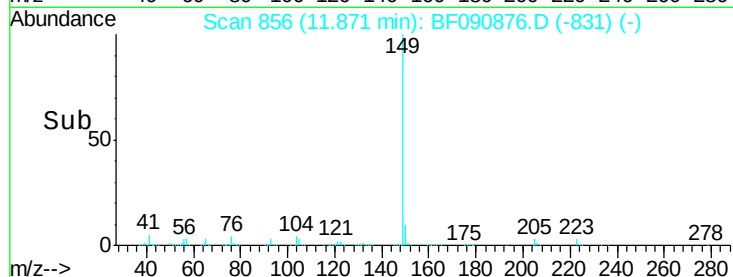
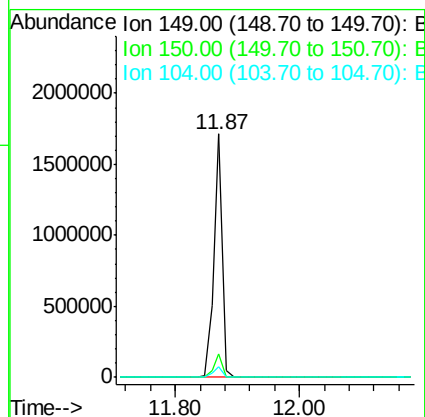
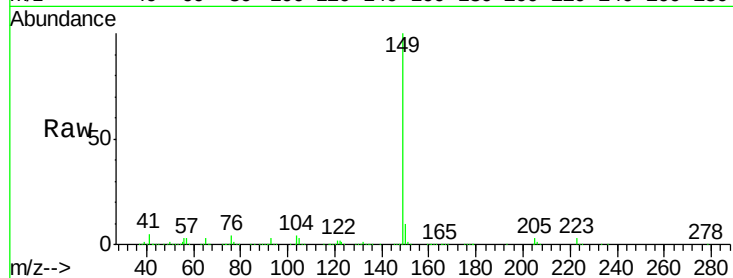
149 100

150 9.7 7.4 11.2

104 4.4 2.4 3.6#

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#74

Fluoranthene

Concen: 47.57 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

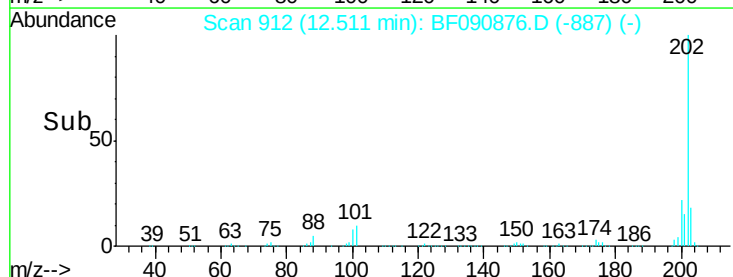
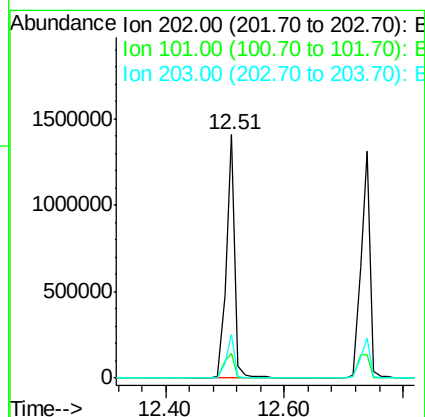
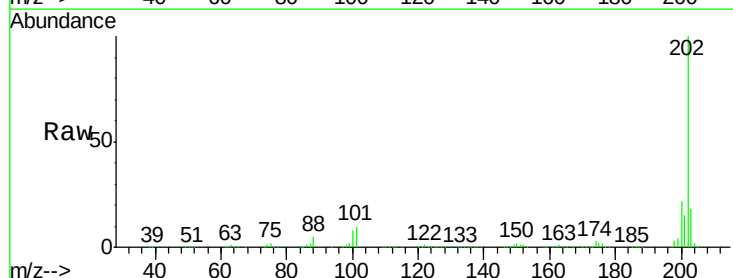
Tgt Ion:202 Resp: 1392562

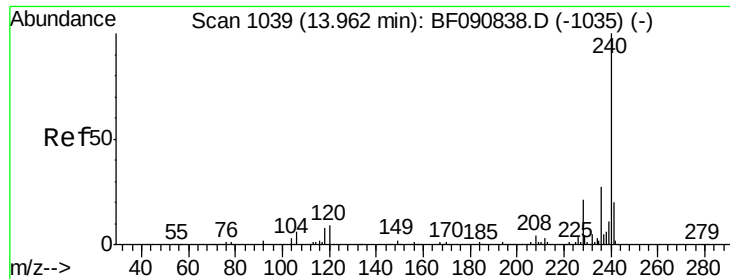
Ion Ratio Lower Upper

202 100

101 10.0 0.0 38.3

203 18.1 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

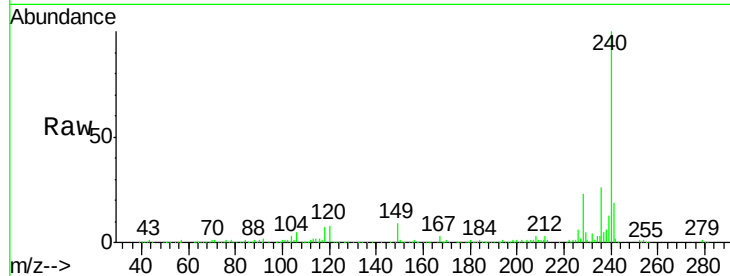
ClientSampled :

PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.6   | 16.2  | 24.2# |
| 236     | 26.1  | 18.4  | 27.6  |

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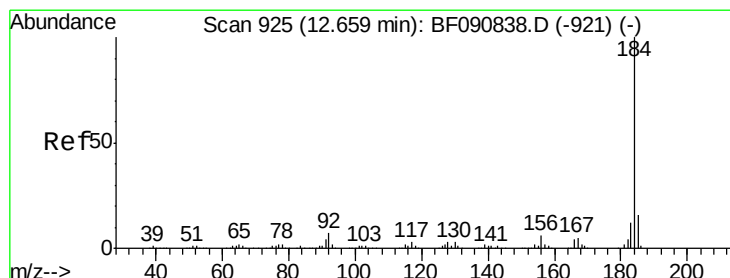
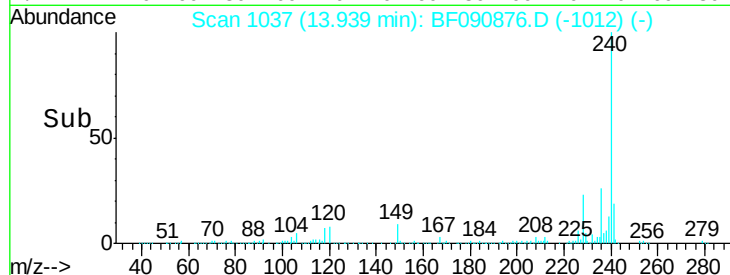
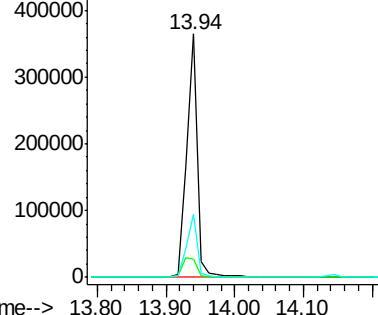
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 41.82 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF090876.D

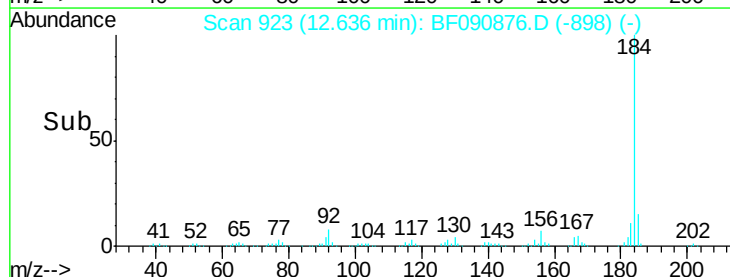
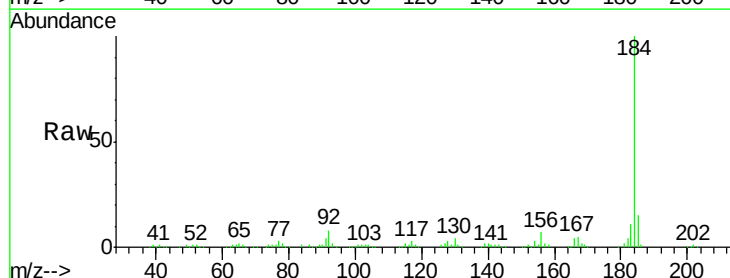
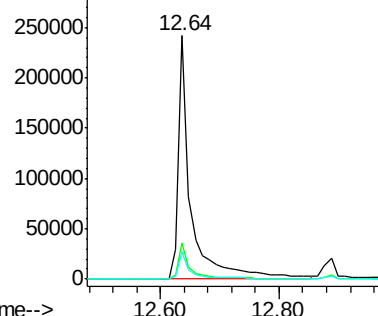
Acq: 27 Oct 2016 19:41

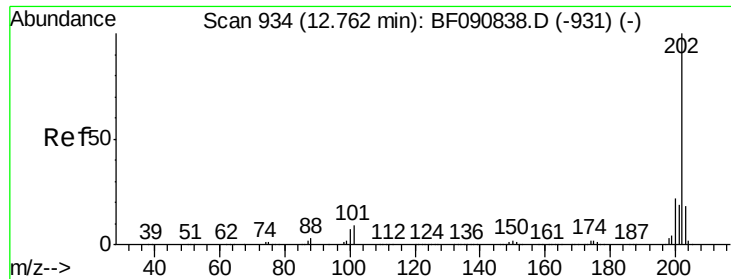
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 15.1  | 11.8  | 17.6  |
| 183     | 11.4  | 7.6   | 11.4  |

Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





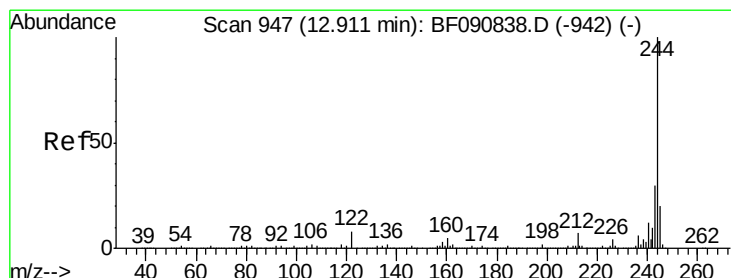
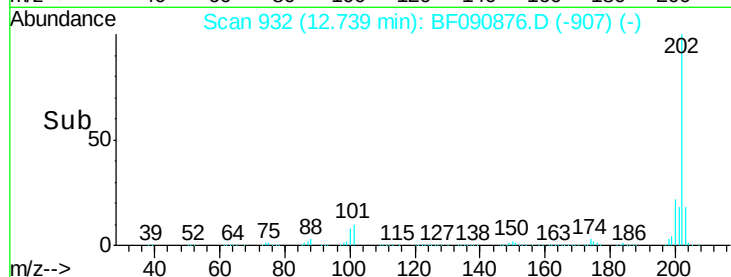
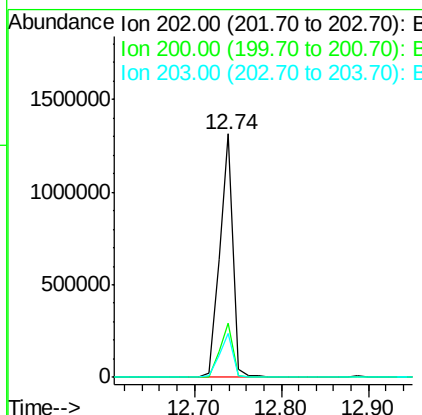
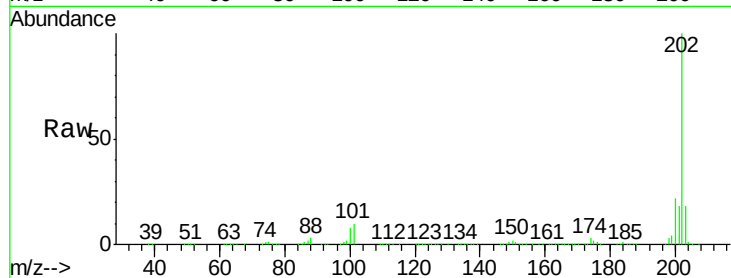
#77  
Pvrene  
Concen: 55.47 ng  
RT: 12.74 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.1  | 15.0  | 22.4  |
| 203     | 17.9  | 14.1  | 21.1  |

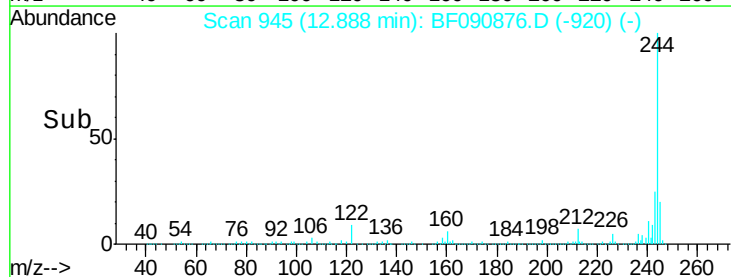
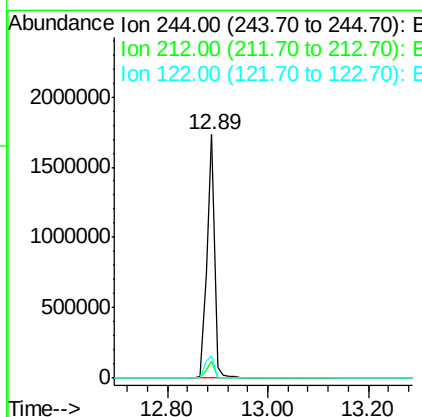
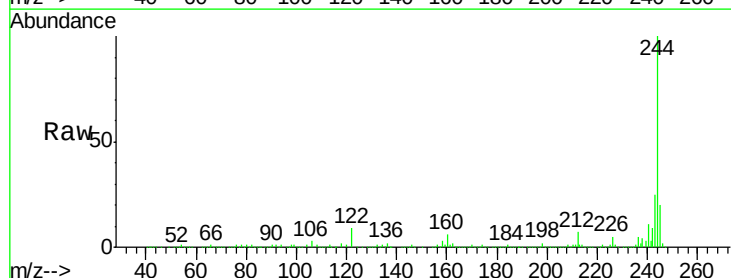
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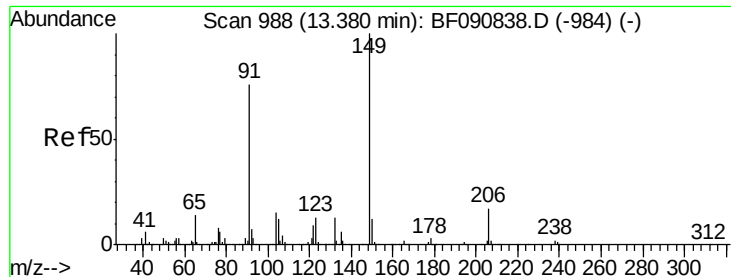
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#78  
Terphenyl-d14  
Concen: 114.81 ng  
RT: 12.89 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 4.3   | 6.5#  |
| 122     | 8.9   | 17.4  | 26.2# |





#79

Butylbenzylphthalate

Concen: 53.80 ng

RT: 13.37 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

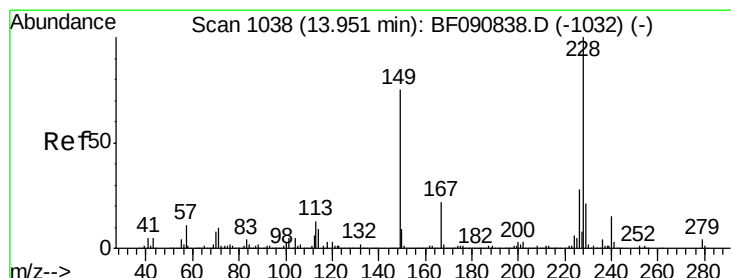
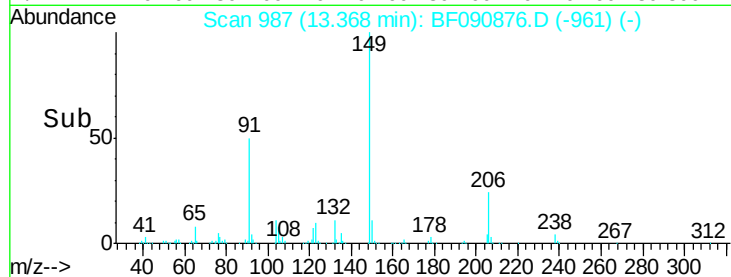
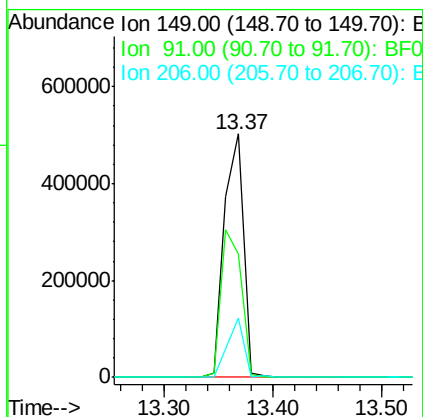
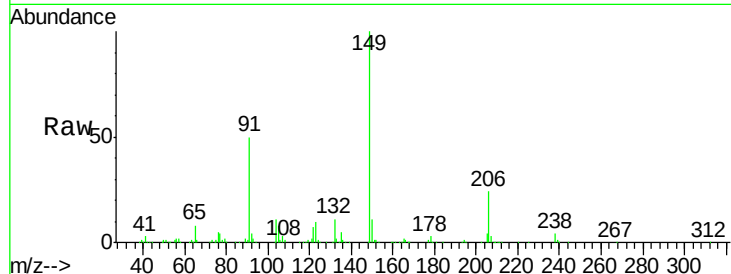
ClientSampleId :

PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 617951 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 50.5  | 48.6  | 72.8   |
| 206       | 24.4  | 14.9  | 22.3#  |

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#80

Benzo(a)anthracene

Concen: 49.25 ng

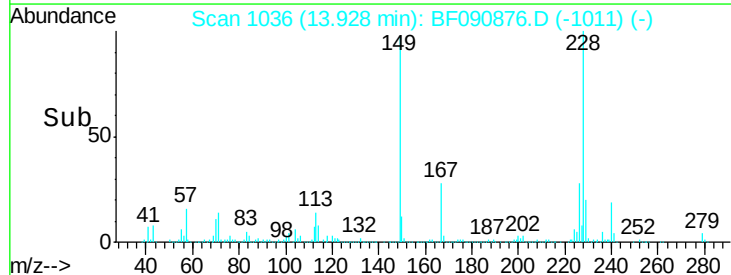
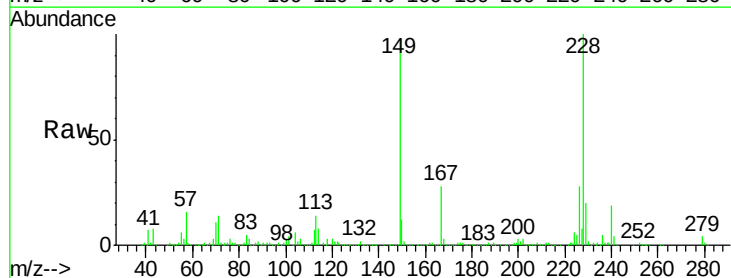
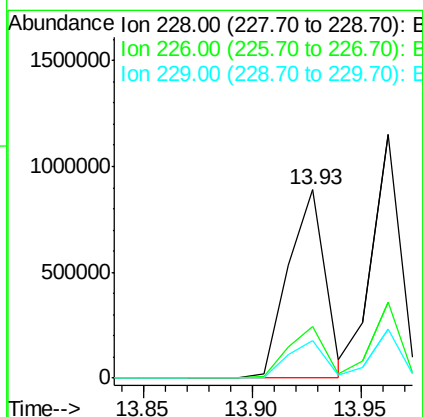
RT: 13.93 min Scan# 1036

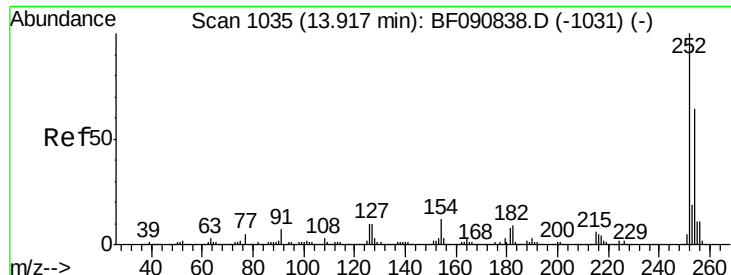
Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 1045705 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 27.6  | 20.0  | 30.0    |
| 229       | 20.0  | 15.4  | 23.2    |





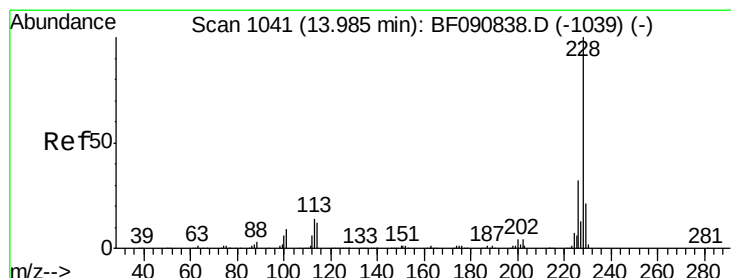
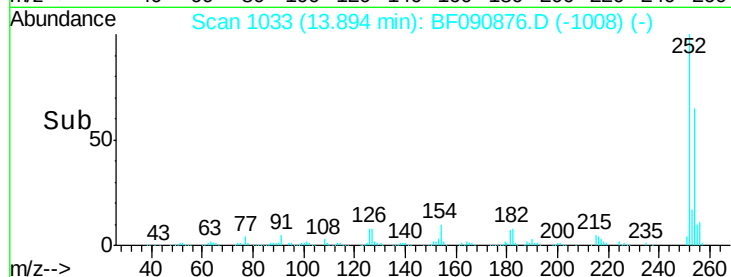
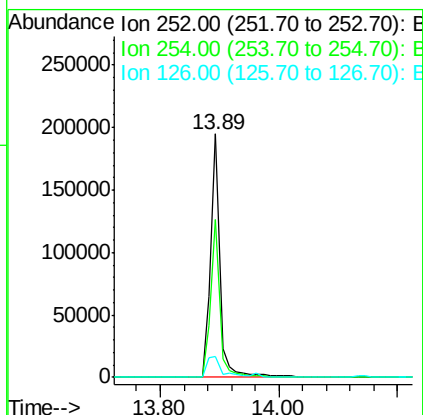
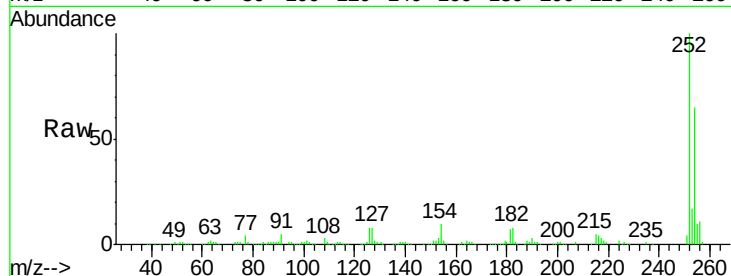
#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.33 ng  
 RT: 13.89 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB94343BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.8  | 51.4       | 77.2  |
| 126     | 8.4   | 16.4       | 24.6  |

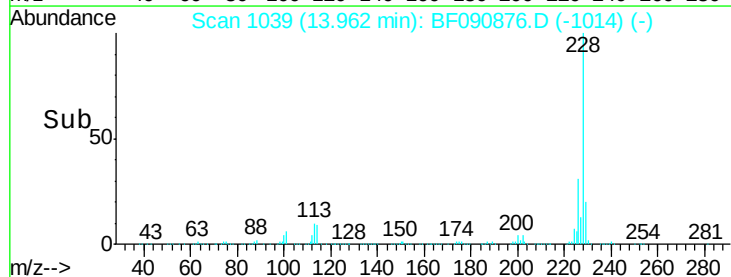
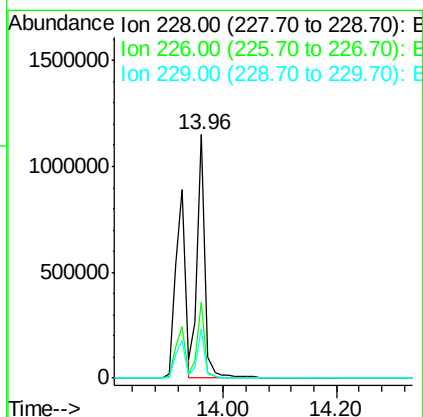
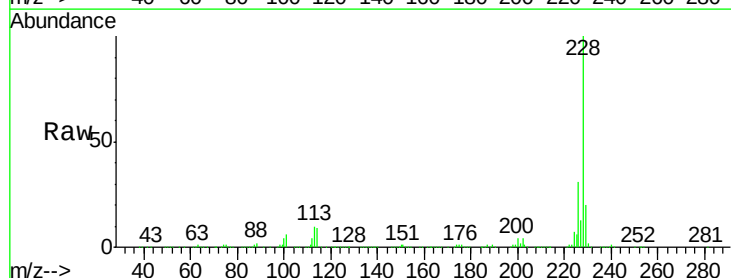
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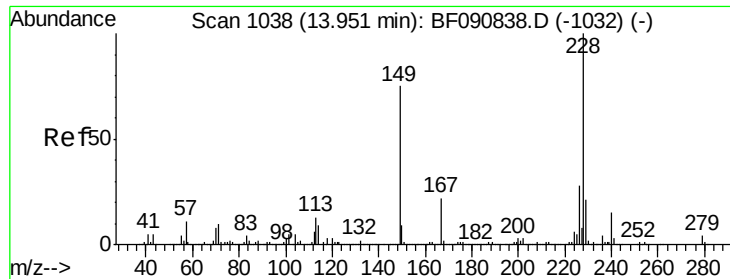
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#82  
 Chrysene  
 Concen: 51.40 ng  
 RT: 13.96 min Scan# 1039  
 Delta R.T. -0.01 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.2  | 21.0       | 31.4  |
| 229     | 20.3  | 15.6       | 23.4  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 53.31 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

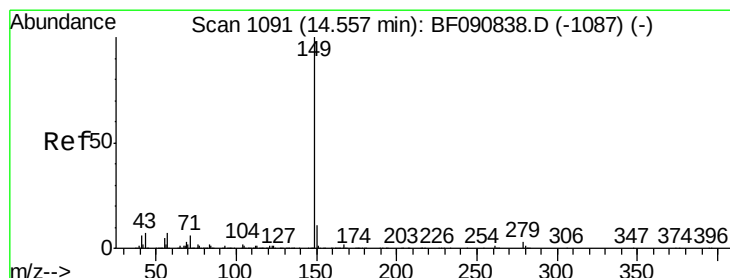
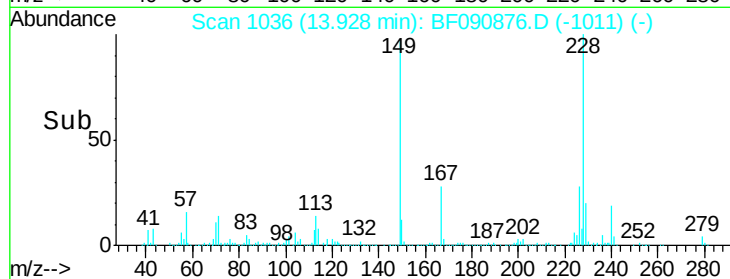
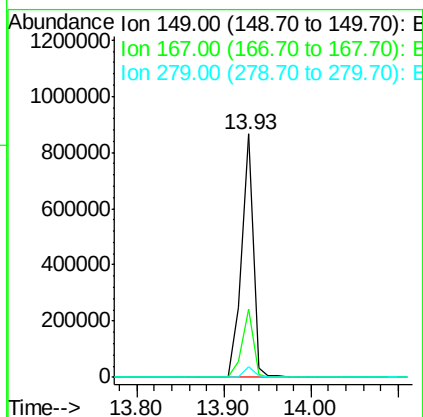
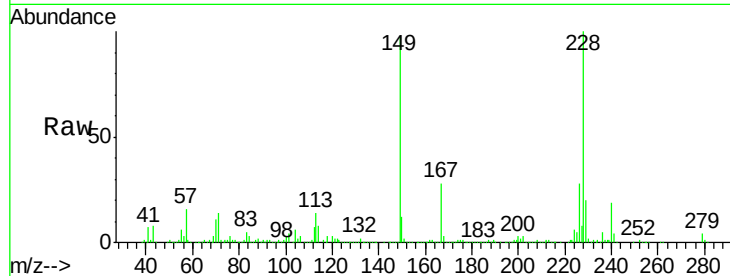
ClientSampleId :

PB94343BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 149  | Resp: | 797400 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 28.2 | 24.2  | 36.2   |
| 279       | 4.6  | 3.8   | 5.6    |

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#84

Di-n-octyl phthalate

Concen: 47.78 ng

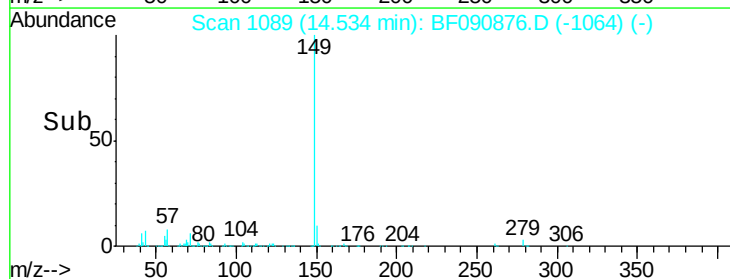
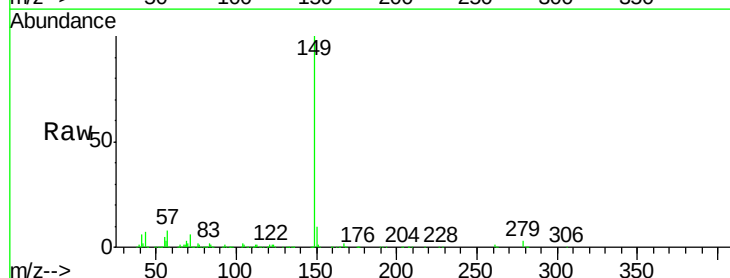
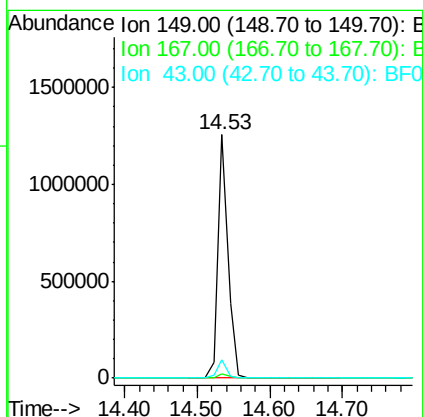
RT: 14.53 min Scan# 1089

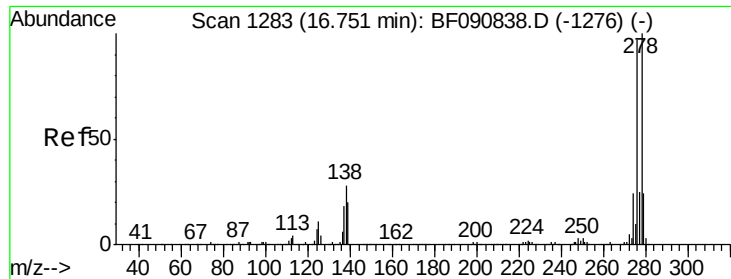
Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

|           |     |       |         |
|-----------|-----|-------|---------|
| Tgt Ion:  | 149 | Resp: | 1200051 |
| Ion Ratio |     | Lower | Upper   |
| 149       | 100 |       |         |
| 167       | 1.6 | 1.0   | 1.6     |
| 43        | 6.8 | 10.2  | 15.2#   |





#85

Indeno(1,2,3-cd)pyrene

Concen: 49.00 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

Instrument :

BNA\_F

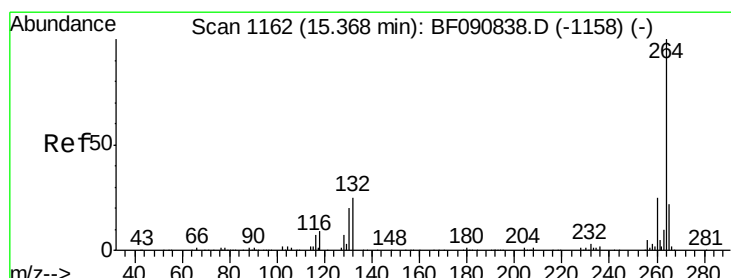
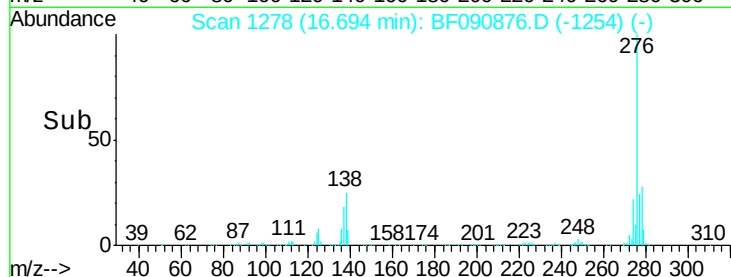
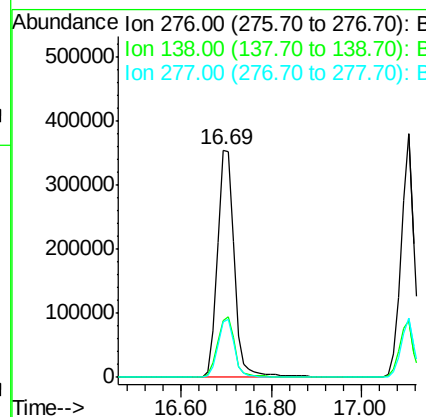
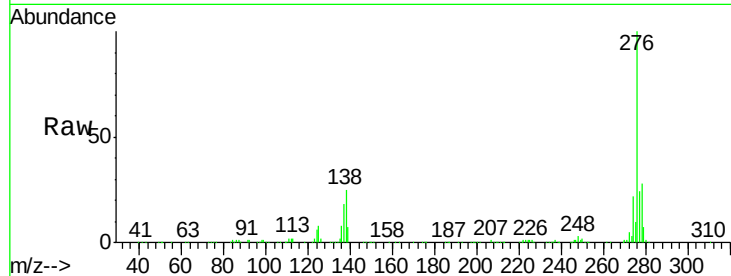
ClientSampleId :

PB94343BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 932533 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 27.6  | 25.7  | 38.5   |
| 277       | 25.2  | 15.6  | 23.4   |

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#86

Perylene-d12

Concen: 20.00 ng

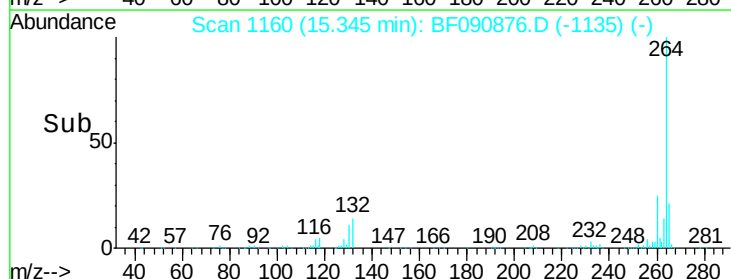
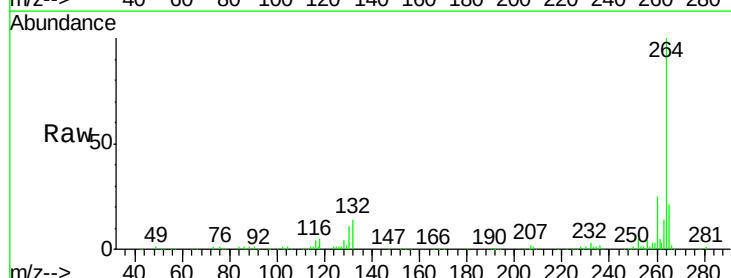
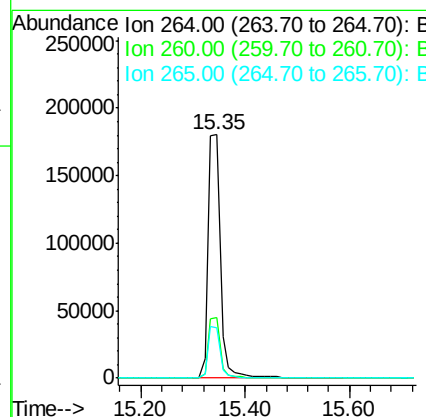
RT: 15.35 min Scan# 1160

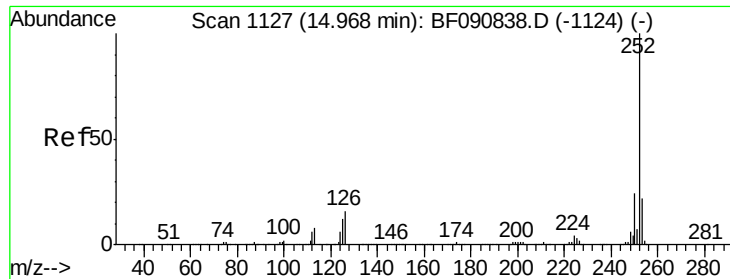
Delta R.T. -0.01 min

Lab File: BF090876.D

Acq: 27 Oct 2016 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 297702 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.6  | 16.7  | 25.1   |
| 265       | 20.8  | 17.2  | 25.8   |





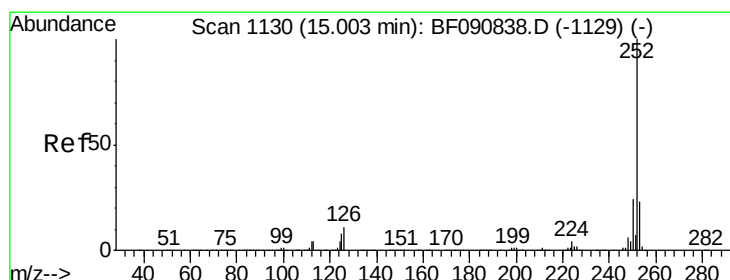
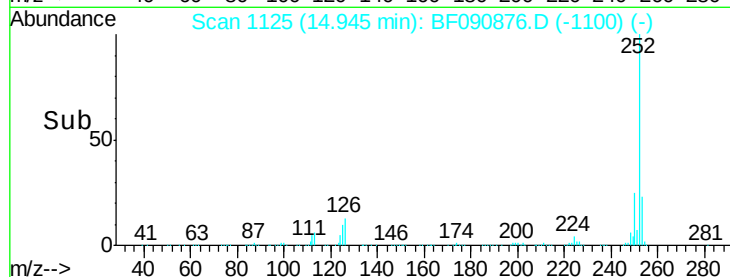
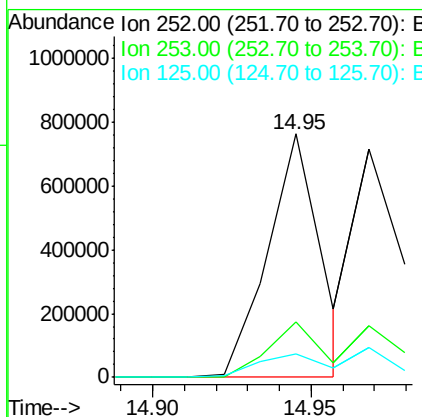
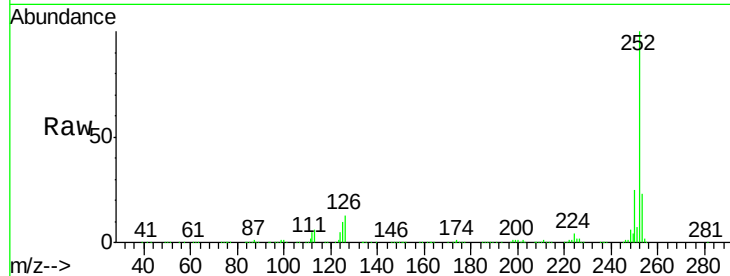
#87  
Benzo(b)fluoranthene  
Concen: 43.92 ng m  
RT: 14.95 min Scan# 1125  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampled :  
PB94343BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.5  | 26.3  |
| 125     | 9.8   | 17.1  | 25.7  |

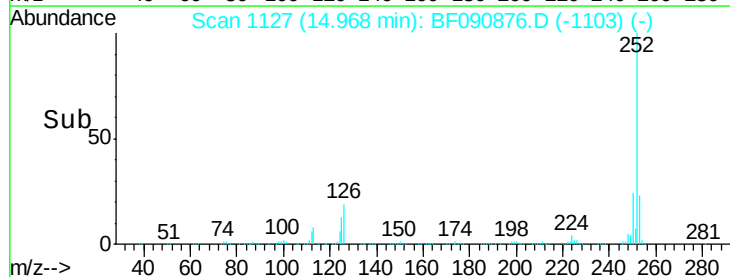
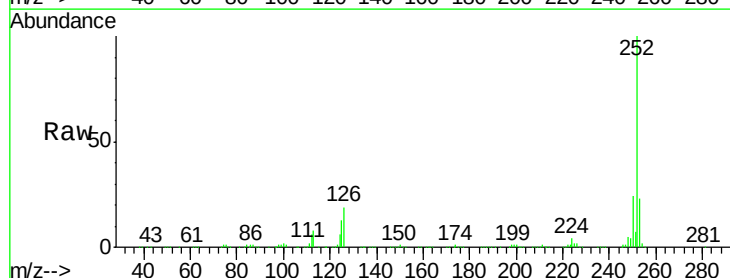
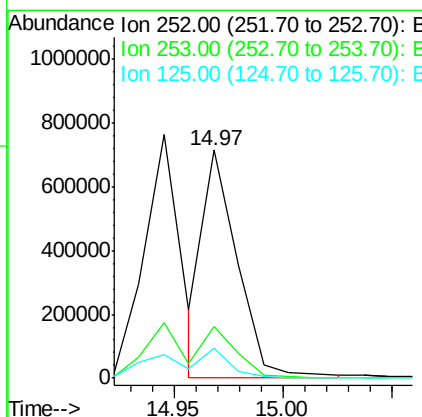
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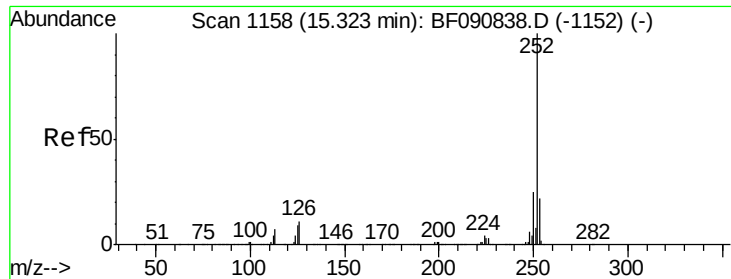


#88  
Benzo(k)fluoranthene  
Concen: 49.97 ng m  
RT: 14.97 min Scan# 1127  
Delta R.T. -0.02 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.0  | 25.4  |
| 125     | 13.0  | 16.0  | 24.0  |







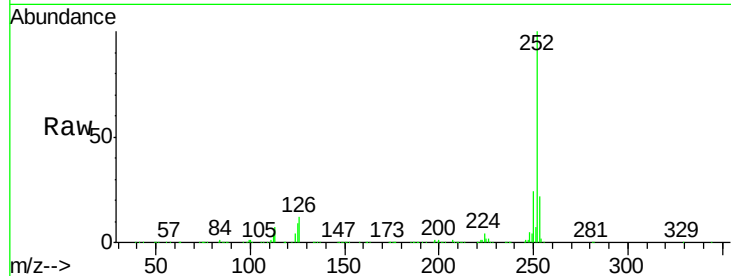
#89  
Benzo(a)pyrene  
Concen: 47.03 ng  
RT: 15.29 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB94343BS

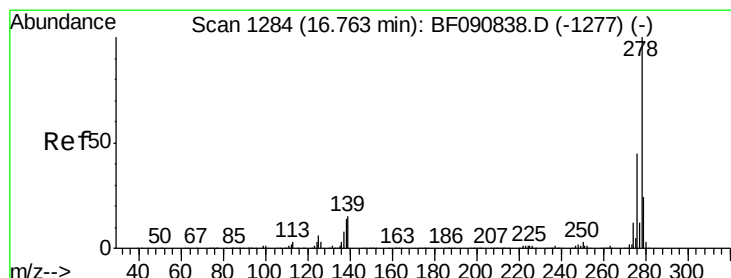
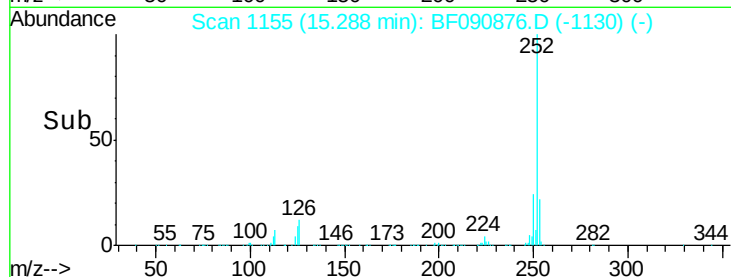
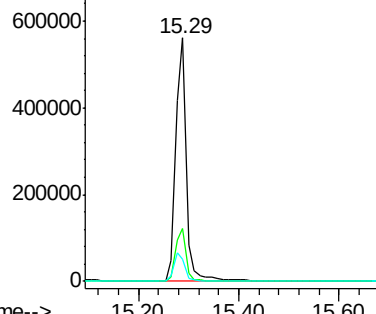
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.2  | 25.8  |
| 125     | 9.2   | 18.0  | 27.0# |

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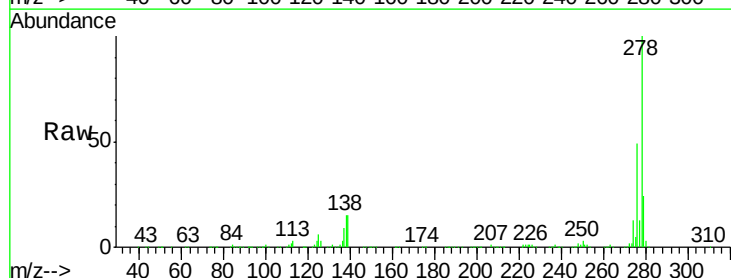


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

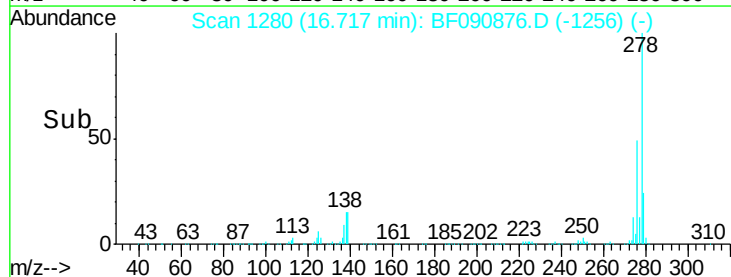
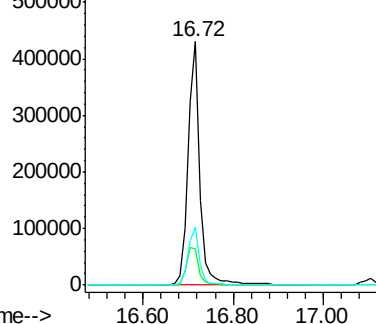


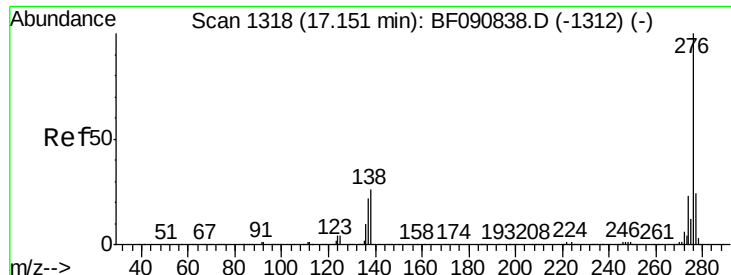
#90  
Dibenzo(a,h)anthracene  
Concen: 53.95 ng  
RT: 16.72 min Scan# 1280  
Delta R.T. -0.02 min  
Lab File: BF090876.D  
Acq: 27 Oct 2016 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.1  | 26.3  | 39.5# |
| 279     | 23.7  | 18.2  | 27.4  |



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





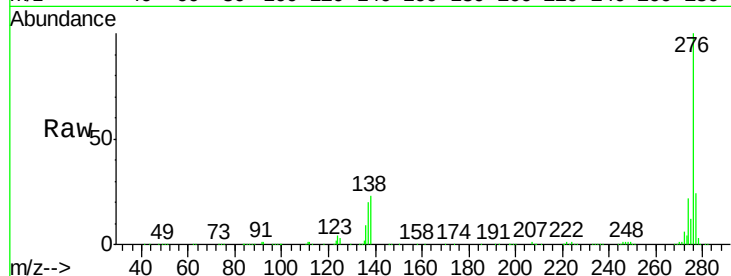
#91  
 Benzo(a,h,i)perylene  
 Concen: 56.35 ng  
 RT: 17.11 min Scan# 1314  
 Delta R.T. -0.02 min  
 Lab File: BF090876.D  
 Acq: 27 Oct 2016 19:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94343BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 24.4  | 17.8       | 26.6       |
| 138     | 23.3  | 34.6       | 51.8       |

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

