

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\  
 Data File : BF082079.D  
 Acq On : 6 Oct 2015 12:34  
 Operator : UM/IZ  
 Sample : PB85739BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

Quant Time: Oct 07 02:01:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 07 02:00:35 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 81600    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 330415   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.93  | 164  | 163964   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.42 | 188  | 315800   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 285699   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.51 | 264  | 266717   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.49  | 112 | 511326  | 113.75 | ng | 0.01 |
| 7) Phenol-d6                | 6.53  | 99  | 730447  | 129.14 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.45  | 82  | 418906  | 84.51  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330 | 197065  | 118.67 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.25  | 172 | 834592  | 85.22  | ng | 0.00 |
| 78) Terphenyl-d14           | 13.01 | 244 | 1003471 | 134.08 | ng | 0.00 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.55 | 88  | 70322  | 35.97 | ng | 88     |
| 3) Pyridine                    | 3.28 | 79  | 168544 | 33.12 | ng | 85     |
| 4) n-Nitrosodimethylamine      | 3.23 | 42  | 80025  | 34.62 | ng | 98     |
| 6) Aniline                     | 6.55 | 93  | 105568 | 13.89 | ng | # 87   |
| 8) 2-Chlorophenol              | 6.66 | 128 | 208354 | 41.97 | ng | # 81   |
| 9) Benzaldehyde                | 6.43 | 77  | 50765  | 13.71 | ng | 92     |
| 10) Phenol                     | 6.54 | 94  | 256285 | 40.39 | ng | 78     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 204427 | 41.55 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 249590 | 42.57 | ng | # 95   |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 255389 | 41.71 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 257622 | 47.22 | ng | 98     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 172355 | 42.21 | ng | # 77   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 309015 | 44.42 | ng | 82     |
| 17) 2-Methylphenol             | 7.14 | 107 | 179449 | 44.59 | ng | # 85   |
| 18) Hexachloroethane           | 7.39 | 117 | 86379  | 45.07 | ng | # 80   |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 156308 | 45.47 | ng | # 75   |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 211751 | 41.66 | ng | # 54   |
| 22) Acetophenone               | 7.29 | 105 | 290569 | 43.01 | ng | # 74   |
| 24) Nitrobenzene               | 7.47 | 77  | 230474 | 42.82 | ng | # 76   |
| 25) Isophorone                 | 7.71 | 82  | 411642 | 41.90 | ng | # 97   |
| 26) 2-Nitrophenol              | 7.78 | 139 | 115820 | 44.83 | ng | # 52   |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 210222 | 46.25 | ng | # 83   |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 244786 | 41.96 | ng | # 94   |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 198907 | 45.13 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 214183 | 43.53 | ng | 99     |
| 31) Naphthalene                | 8.19 | 128 | 646259 | 44.14 | ng | 98     |
| 32) Benzoic acid               | 7.94 | 122 | 103861 | 39.70 | ng | # 63   |
| 33) 4-Chloroaniline            | 8.25 | 127 | 48669  | 7.69  | ng | # 93   |
| 34) Hexachlorobutadiene        | 8.31 | 225 | 131889 | 45.33 | ng | 99     |
| 35) Caprolactam                | 8.62 | 113 | 40303  | 33.03 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 195949 | 45.47 | ng | # 84   |
| 37) 2-Methylnaphthalene        | 8.88 | 142 | 423067 | 42.33 | ng | # 91   |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 223690 | 44.44 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.03 | 237 | 226290 | 87.30 | ng | 95     |

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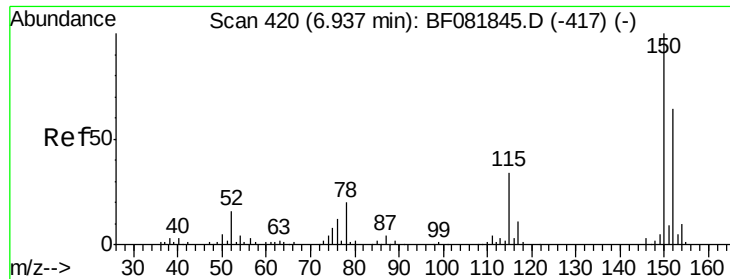
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

Quant Time: Oct 07 02:01:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
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 QLast Update : Wed Oct 07 02:00:35 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 150749   | 43.68 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 156979   | 44.23 | nq #  | 92       |
| 45) 1,1'-Biphenyl              | 9.35  | 154  | 536043   | 42.38 | nq    | 95       |
| 46) 2-Chloronaphthalene        | 9.37  | 162  | 411319   | 41.41 | nq    | 94       |
| 47) 2-Nitroaniline             | 9.47  | 65   | 123588   | 42.39 | nq #  | 80       |
| 48) Acenaphthylene             | 9.79  | 152  | 706369   | 44.43 | nq    | 96       |
| 49) Dimethylphthalate          | 9.66  | 163  | 524295   | 46.33 | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 101968   | 41.50 | nq #  | 56       |
| 51) Acenaphthene               | 9.97  | 154  | 417760   | 44.25 | nq    | 90       |
| 52) 3-Nitroaniline             | 9.89  | 138  | 38552    | 13.56 | nq #  | 66       |
| 53) 2,4-Dinitrophenol          | 10.00 | 184  | 115951   | 89.45 | nq #  | 83       |
| 54) Dibenzofuran               | 10.14 | 168  | 609980   | 45.72 | nq #  | 90       |
| 55) 4-Nitrophenol              | 10.06 | 139  | 171134   | 83.32 | nq #  | 57       |
| 56) 2,4-Dinitrotoluene         | 10.13 | 165  | 157773   | 50.37 | nq #  | 96       |
| 57) Fluorene                   | 10.48 | 166  | 501893   | 52.98 | nq    | 92       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 134698   | 47.85 | nq    | 94       |
| 59) Diethylphthalate           | 10.35 | 149  | 507923   | 48.05 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.47 | 204  | 223168   | 45.69 | nq #  | 88       |
| 61) 4-Nitroaniline             | 10.50 | 138  | 107688   | 37.78 | nq #  | 45       |
| 62) Azobenzene                 | 10.63 | 77   | 473691   | 45.91 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 72436    | 50.04 | nq    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.59 | 169  | 425630   | 44.55 | nq    | 91       |
| 66) 4-Bromophenyl-phenylether  | 10.96 | 248  | 144187   | 45.28 | nq    | 97       |
| 67) Hexachlorobenzene          | 11.03 | 284  | 151376   | 42.12 | nq #  | 75       |
| 68) Atrazine                   | 11.12 | 200  | 141847   | 47.85 | nq    | 83       |
| 69) Pentachlorophenol          | 11.22 | 266  | 174148   | 85.05 | nq    | 98       |
| 70) Phenanthrene               | 11.44 | 178  | 662929   | 43.57 | nq    | 96       |
| 71) Anthracene                 | 11.50 | 178  | 799003   | 49.78 | nq    | 98       |
| 72) Carbazole                  | 11.66 | 167  | 669728   | 46.10 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.98 | 149  | 794499   | 53.96 | nq #  | 98       |
| 74) Fluoranthene               | 12.63 | 202  | 737147   | 43.57 | nq    | 91       |
| 76) Benzidine                  | 12.76 | 184  | 167453   | 19.45 | nq    | 98       |
| 77) Pyrene                     | 12.86 | 202  | 738241   | 43.25 | nq    | 96       |
| 79) Butylbenzylphthalate       | 13.48 | 149  | 317185   | 49.39 | nq    | 88       |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 693864   | 45.10 | nq    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 96336    | 18.54 | nq #  | 94       |
| 82) Chrysene                   | 14.09 | 228  | 731124   | Below | Cal   | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 475076   | 58.97 | nq #  | 94       |
| 84) Di-n-octyl phthalate       | 14.65 | 149  | 758161   | 57.83 | nq #  | 90       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.95 | 276  | 599971   | 49.85 | nq #  | 87       |
| 87) Benzo(b)fluoranthene       | 15.12 | 252  | 1331800  | 87.46 | nq #  | 87       |
| 88) Benzo(k)fluoranthene       | 15.12 | 252  | 1332921  | 95.50 | nq #  | 87       |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 635355   | 48.10 | nq #  | 86       |
| 90) Dibenzo(a,h)anthracene     | 16.96 | 278  | 500508   | 45.16 | nq #  | 83       |
| 91) Benzo(g,h,i)perylene       | 17.38 | 276  | 483251   | 42.55 | nq #  | 77       |

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



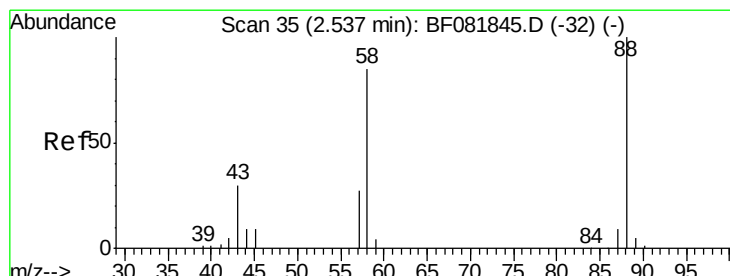
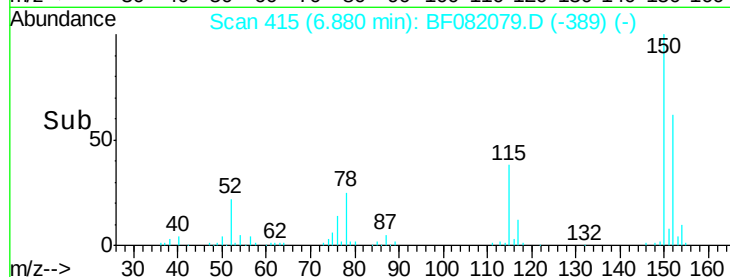
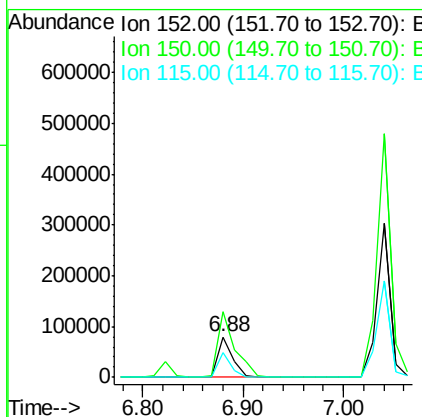
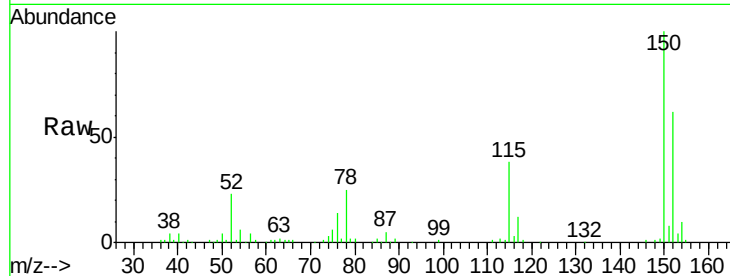


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.88 min Scan# 415  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Instrument :  
BNA\_F  
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PB85739BS

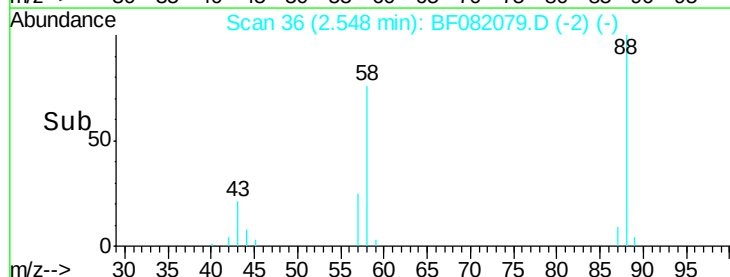
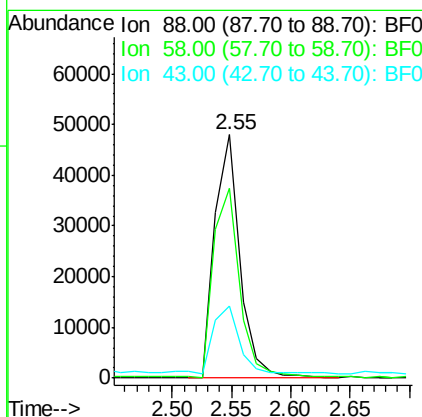
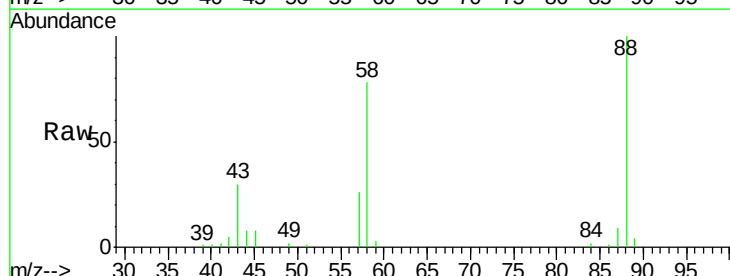
Tot Ion:152 Resp: 81600  
Ion Ratio Lower Upper  
152 100  
150 160.5 124.7 187.1  
115 60.9 39.0 58.4#

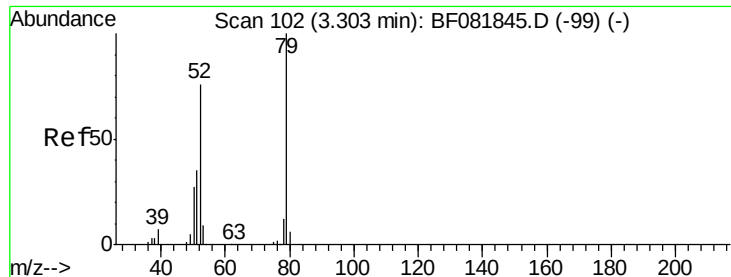


#2

1,4-Dioxane  
Concen: 35.97 ng  
RT: 2.55 min Scan# 36  
Delta R.T. 0.09 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 88 Resp: 70322  
Ion Ratio Lower Upper  
88 100  
58 83.5 77.7 116.5  
43 29.3 26.6 40.0





#3

Pvridine

Concen: 33.12 ng

RT: 3.28 min Scan# 100

Delta R.T. 0.08 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

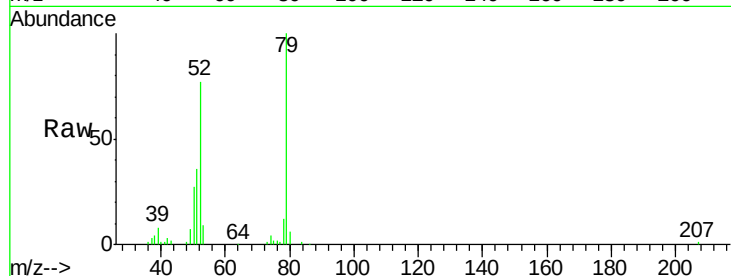
Tot Ion: 79 Resp: 168544

Ion Ratio Lower Upper

79 100

52 77.1 76.8 115.2

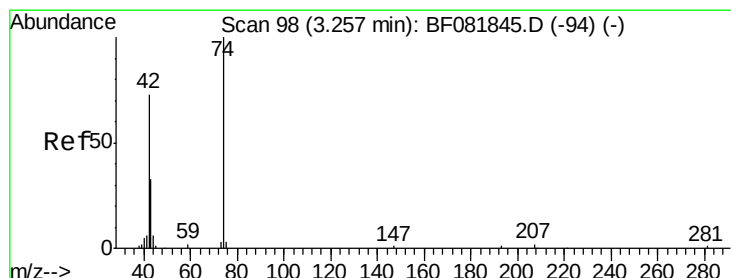
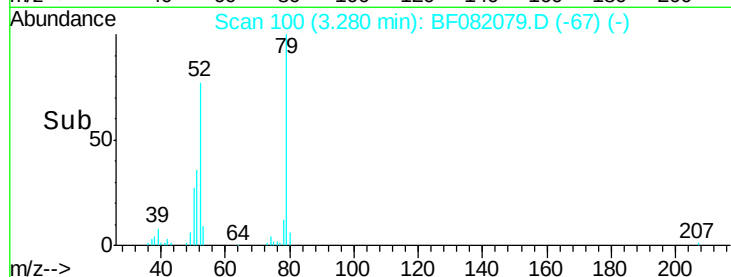
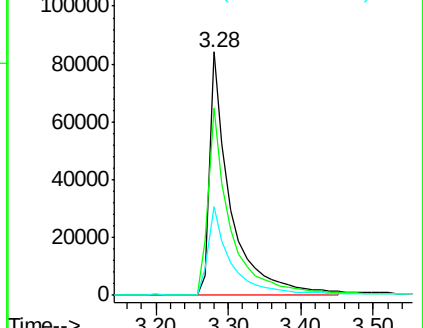
51 36.5 32.2 48.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 34.62 ng

RT: 3.23 min Scan# 96

Delta R.T. 0.08 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

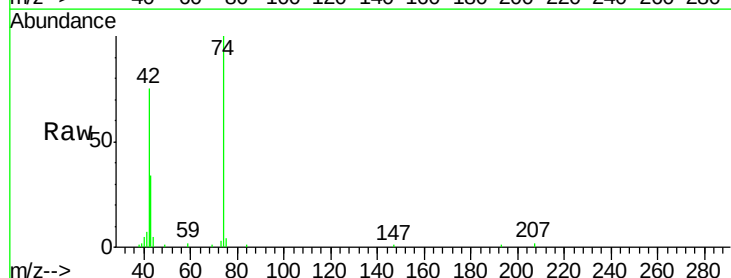
Tgt Ion: 42 Resp: 80025

Ion Ratio Lower Upper

42 100

74 133.9 105.0 157.6

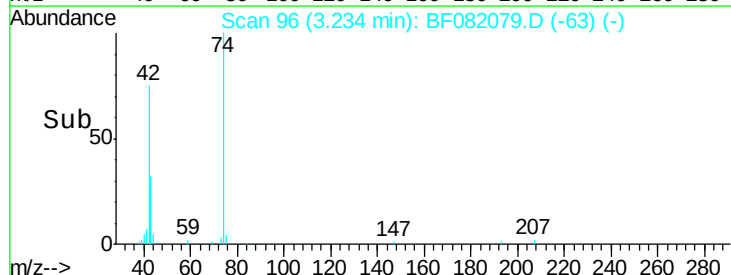
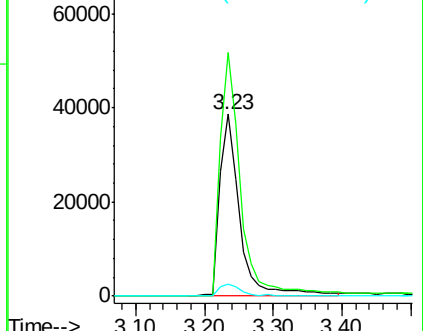
44 6.8 6.6 10.0

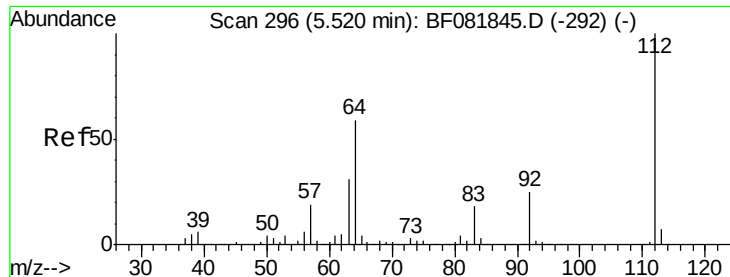


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 113.75 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

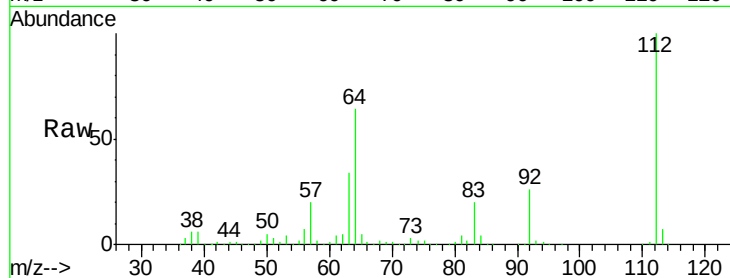
Tot Ion: 112 Resp: 511326

Ion Ratio Lower Upper

112 100

64 63.9 39.7 59.5#

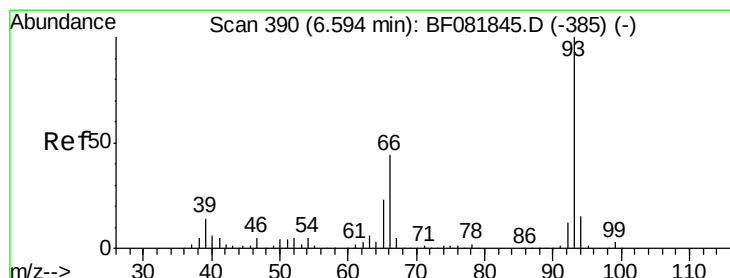
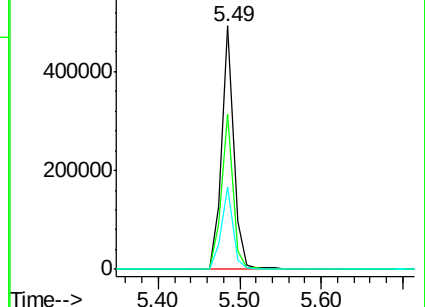
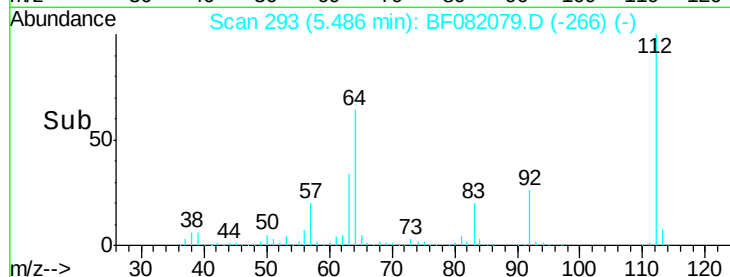
63 34.0 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 13.89 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

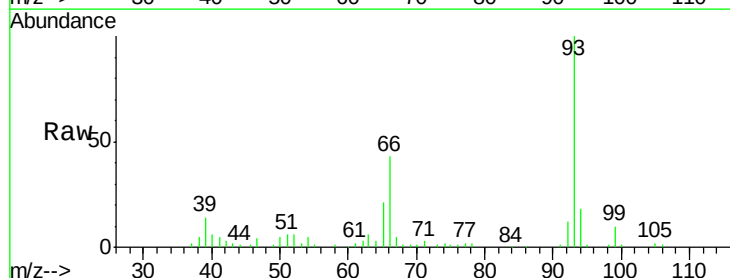
Tgt Ion: 93 Resp: 105568

Ion Ratio Lower Upper

93 100

66 43.0 27.2 40.8#

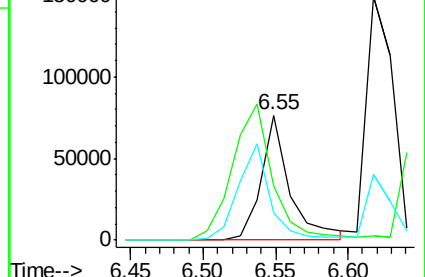
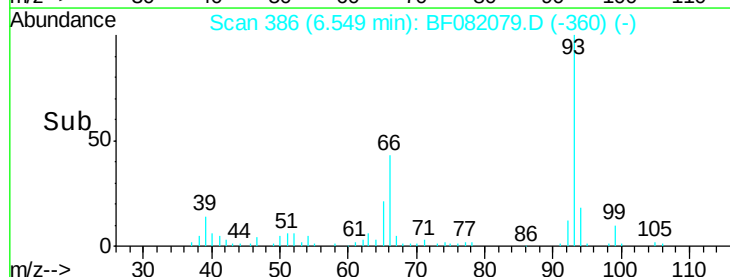
65 21.5 14.7 22.1

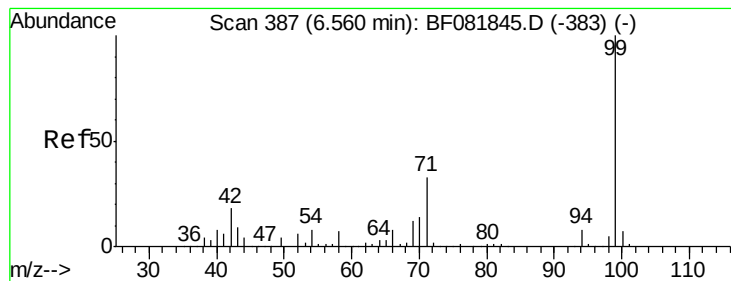


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.14 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF082079.D

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Instrument :

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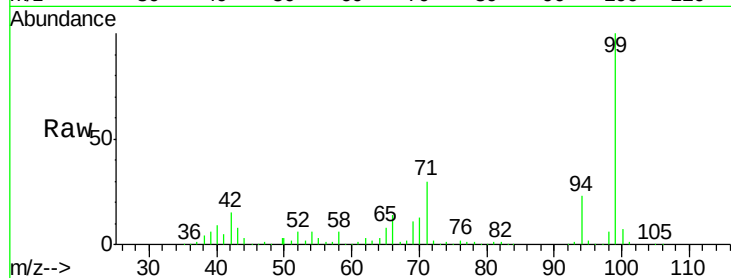
Tot Ion: 99 Resp: 730447

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

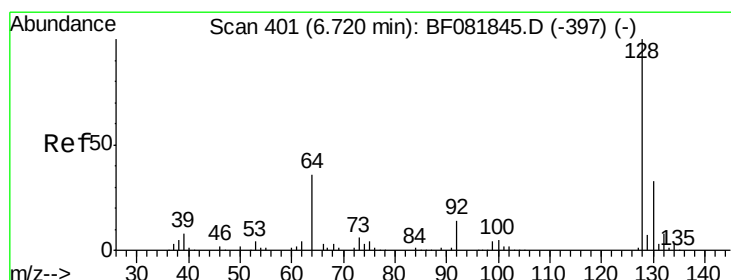
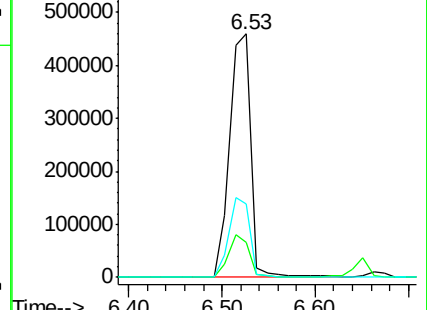
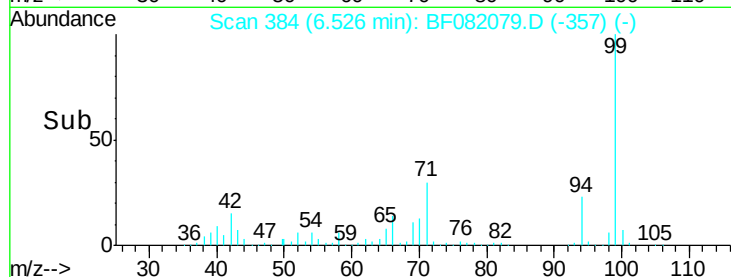
71 30.4 14.2 21.2#



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: 41.97 ng

RT: 6.66 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

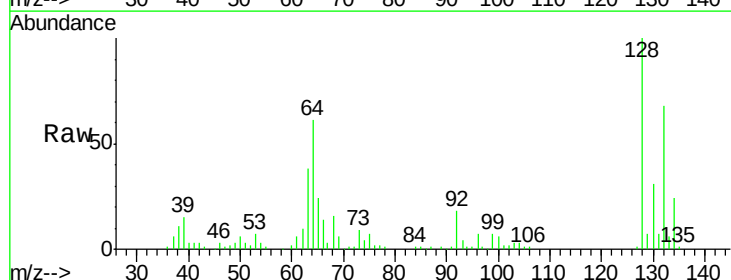
Tgt Ion: 128 Resp: 208354

Ion Ratio Lower Upper

128 100

130 31.2 12.2 52.2

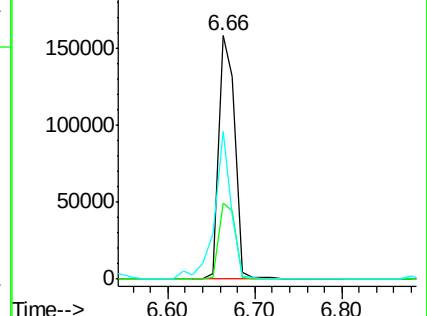
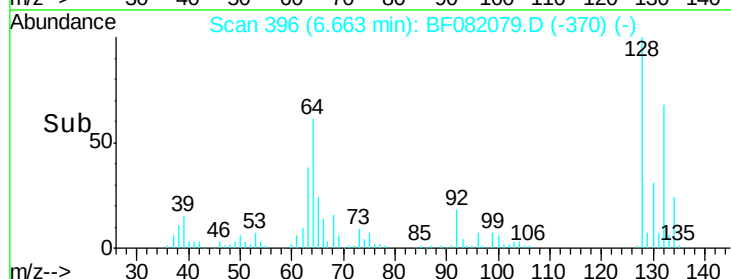
64 60.5 20.5 60.5#



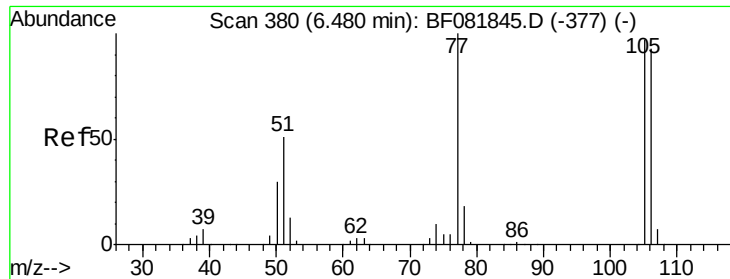
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



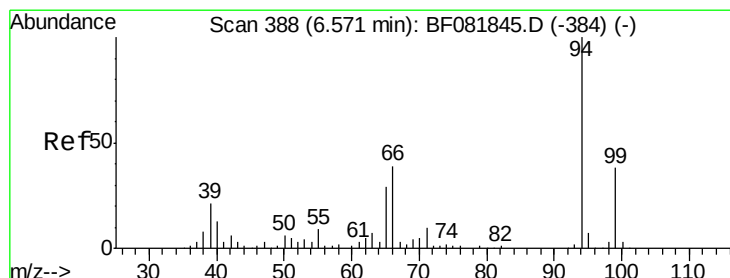
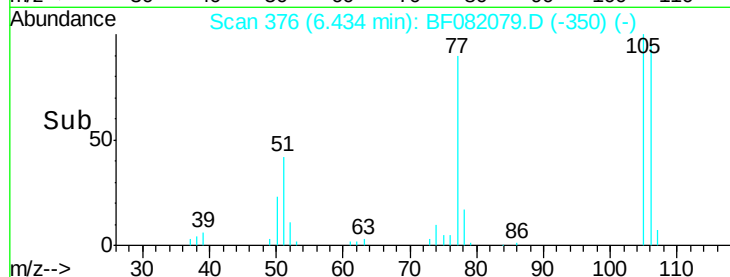
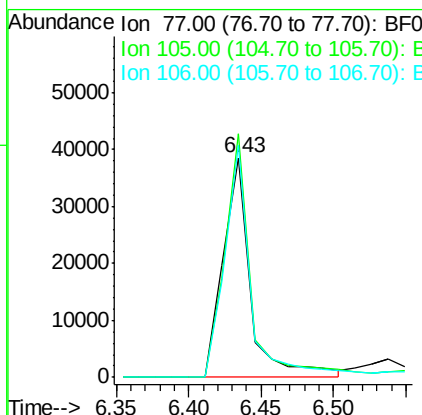
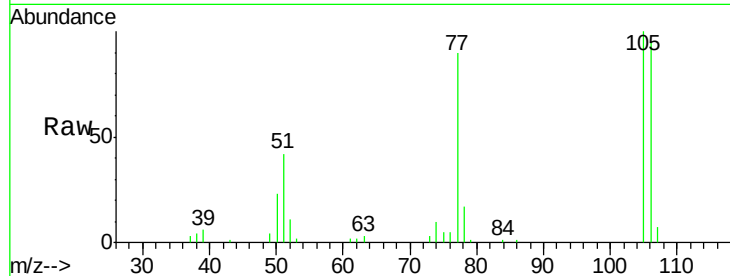




#9  
Benzaldehyde  
Concen: 13.71 ng  
RT: 6.43 min Scan# 376  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

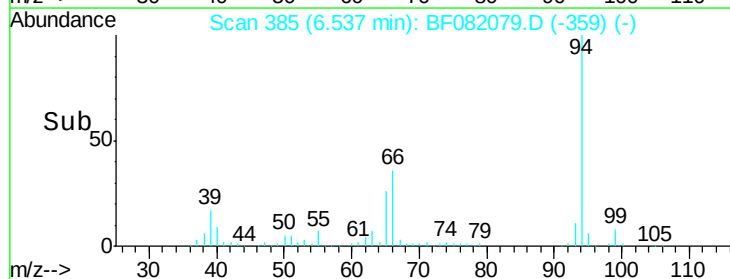
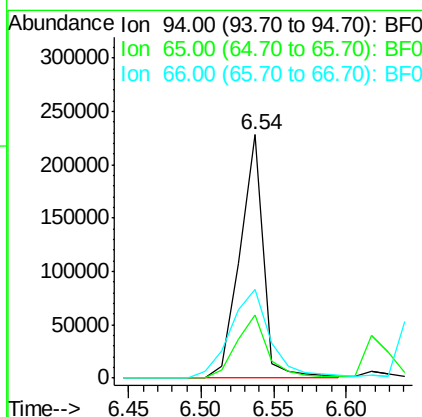
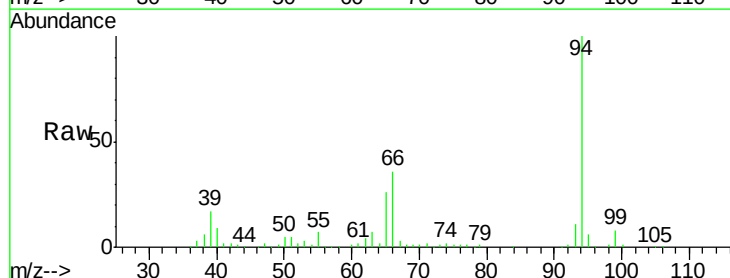
Instrument :  
BNA\_F  
ClientSampled :  
PB85739BS

Tot Ion: 77 Resp: 50765  
Ion Ratio Lower Upper  
77 100  
105 111.0 91.6 131.6  
106 105.6 102.6 142.6

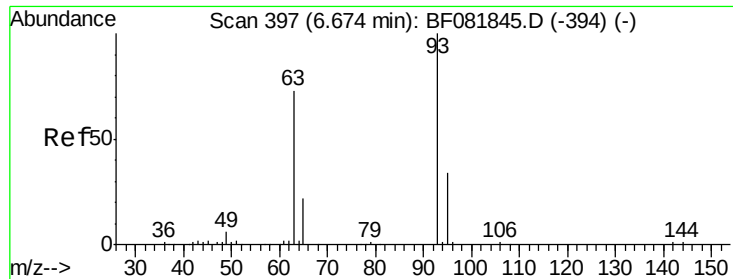


#10  
Phenol  
Concen: 40.39 ng  
RT: 6.54 min Scan# 385  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 94 Resp: 256285  
Ion Ratio Lower Upper  
94 100  
65 25.8 0.7 40.7  
66 36.5 0.8 40.8



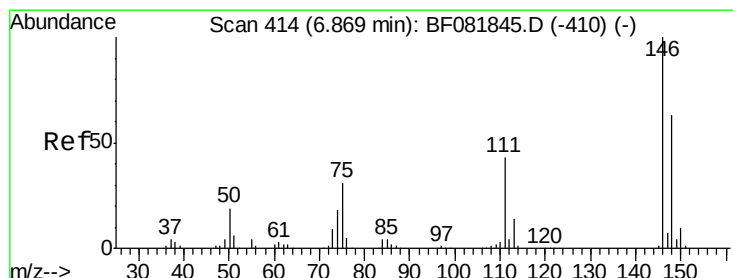
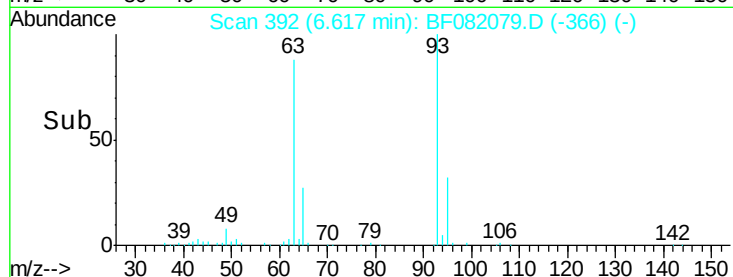
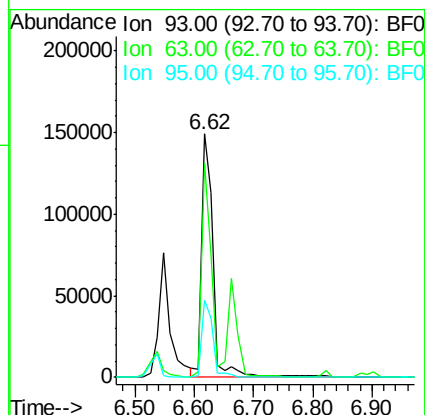
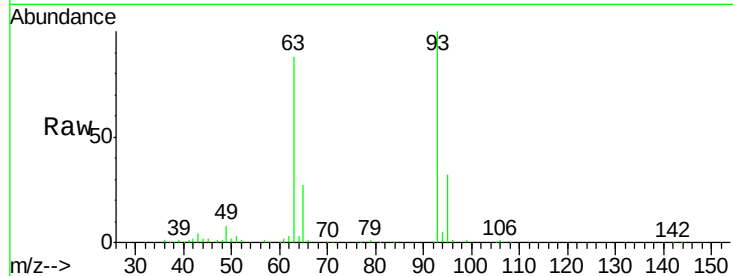




#11  
bis(2-Chloroethyl)ether  
Concen: 41.55 ng  
RT: 6.62 min Scan# 392  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

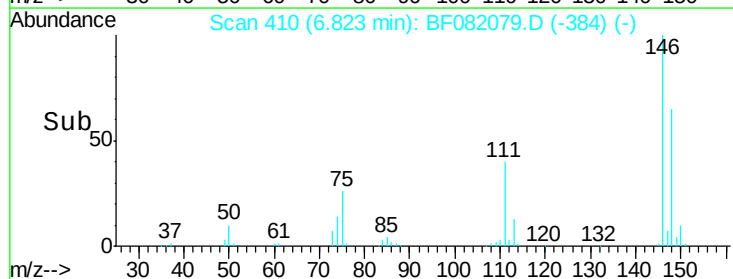
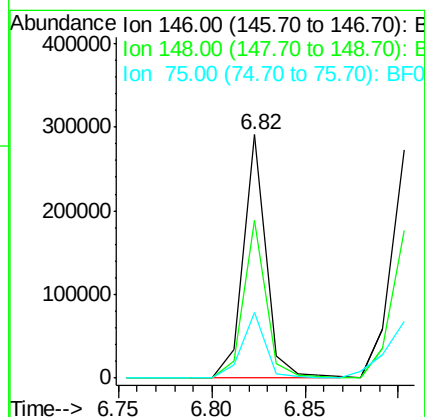
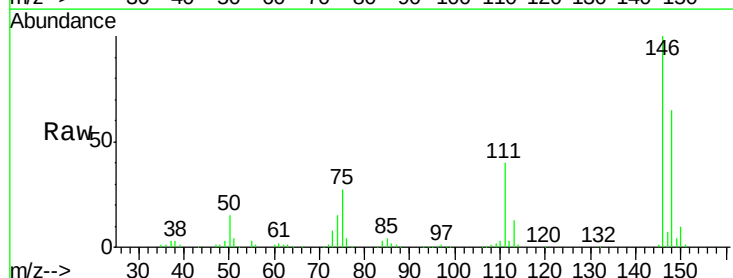
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

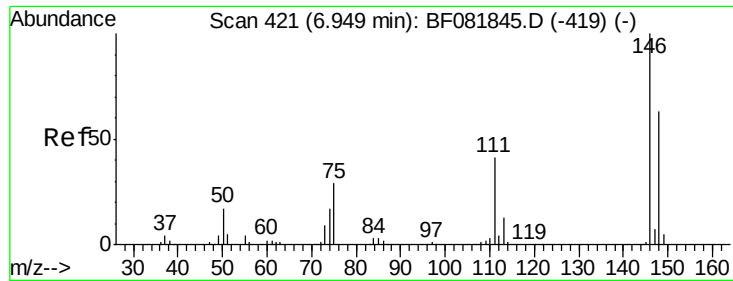
Tot Ion: 93 Resp: 204427  
Ion Ratio Lower Upper  
93 100  
63 87.8 65.6 105.6  
95 31.6 13.6 53.6



#12  
1,3-Dichlorobenzene  
Concen: 42.57 ng  
RT: 6.82 min Scan# 410  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 146 Resp: 249590  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.0 76.4  
75 26.8 15.0 22.6#

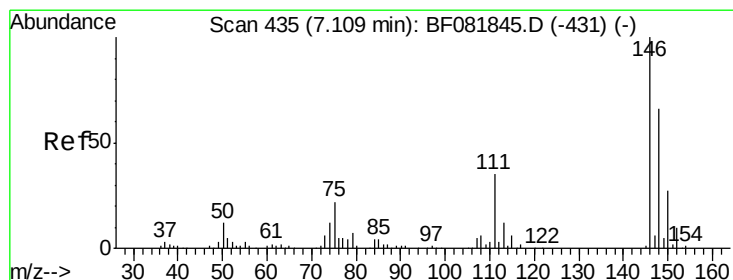
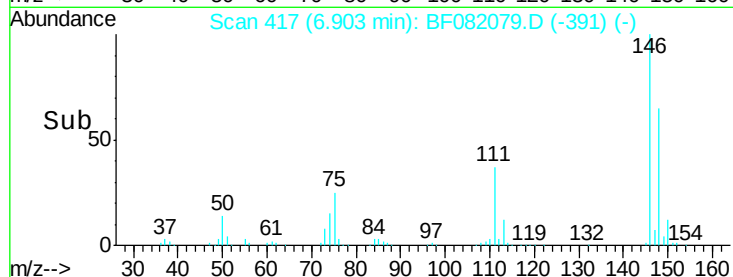
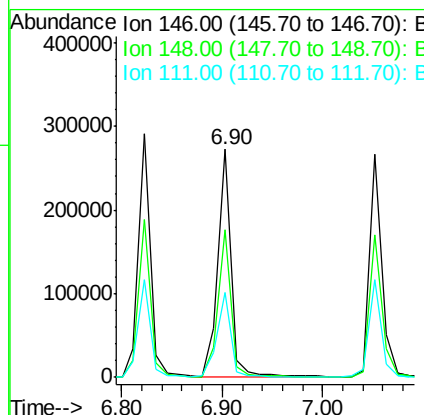
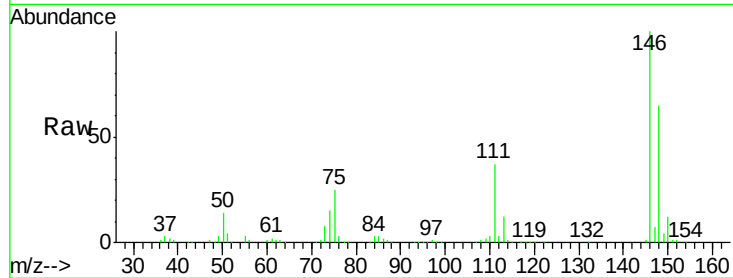




#13  
 1,4-Dichlorobenzene  
 Concen: 41.71 ng  
 RT: 6.90 min Scan# 417  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

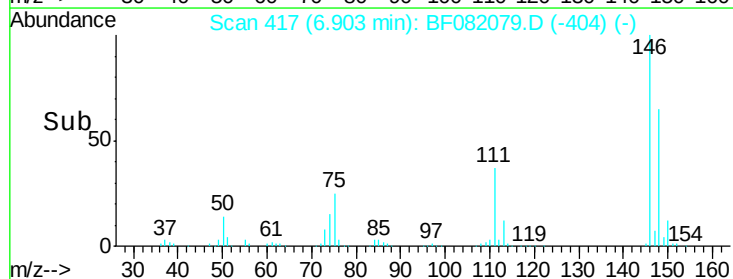
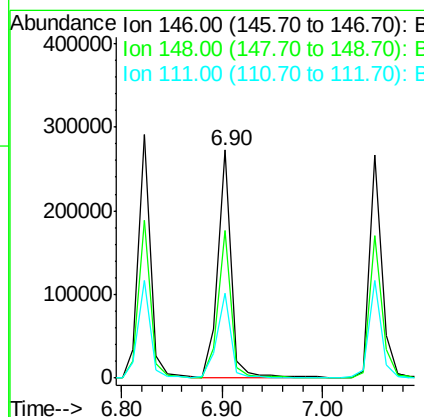
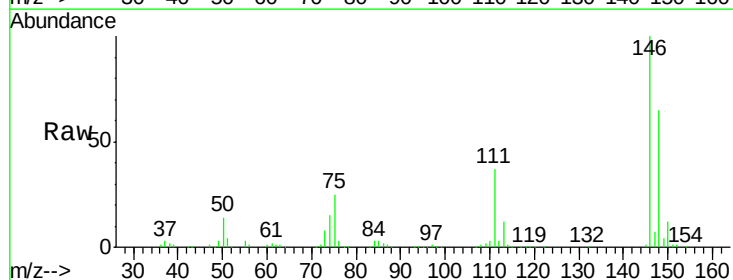
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

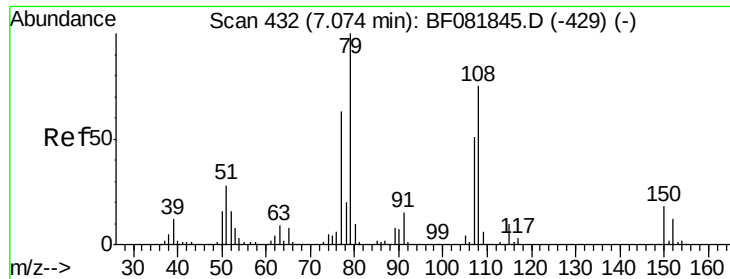
Tot Ion:146 Resp: 255389  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 51.8 77.6  
 111 37.1 24.9 37.3



#14  
 1,2-Dichlorobenzene  
 Concen: 47.22 ng  
 RT: 6.90 min Scan# 417  
 Delta R.T. -0.15 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:146 Resp: 257622  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 52.7 79.1  
 111 37.1 28.8 43.2

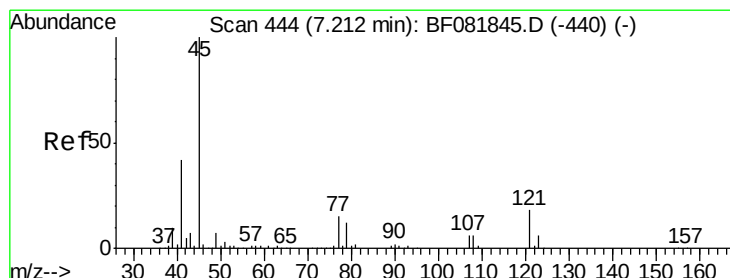
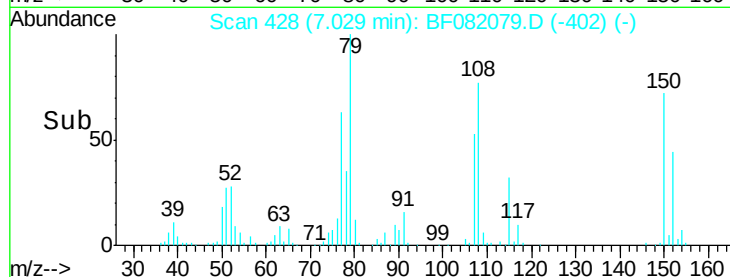
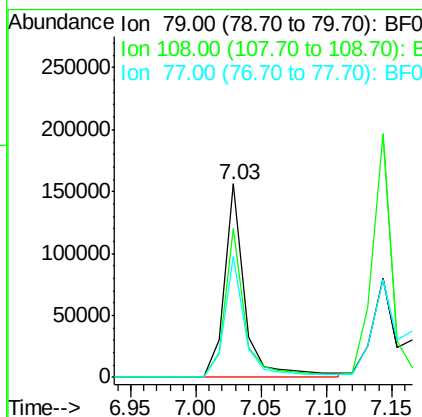
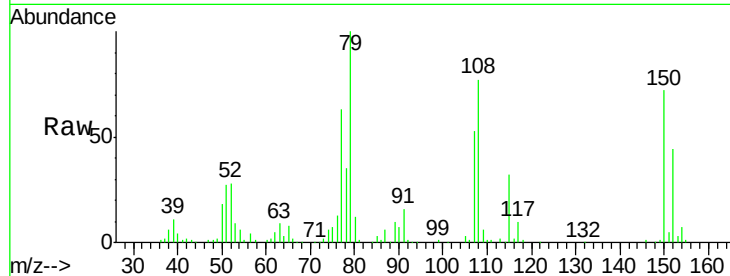




#15  
Benzyl Alcohol  
Concen: 42.21 ng  
RT: 7.03 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

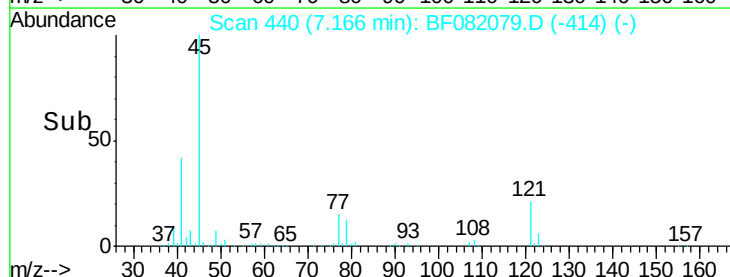
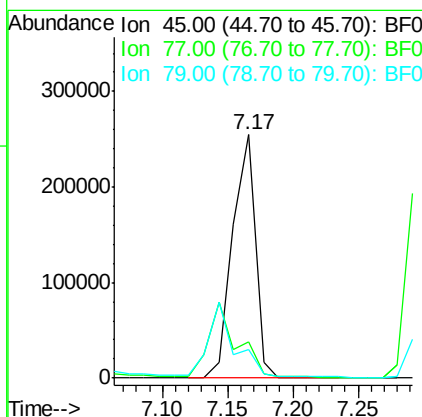
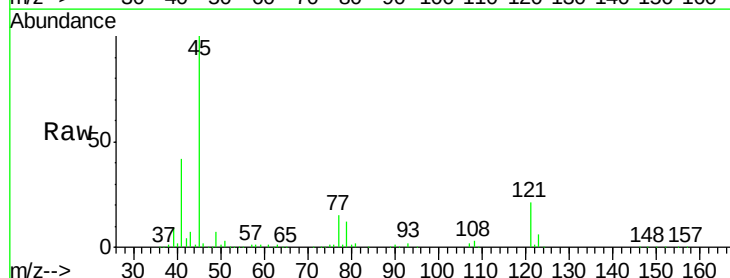
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

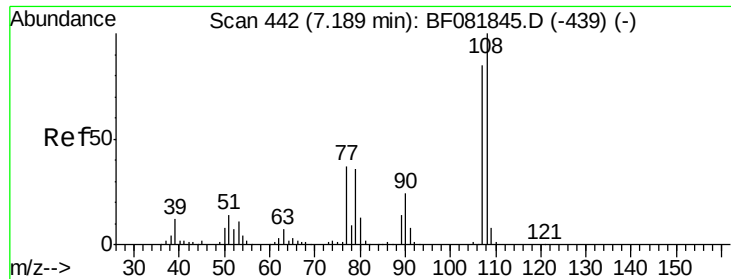
Tot Ion: 79 Resp: 172355  
Ion Ratio Lower Upper  
79 100  
108 77.1 88.6 132.8#  
77 62.7 47.0 70.4



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 44.42 ng  
RT: 7.17 min Scan# 440  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 45 Resp: 309015  
Ion Ratio Lower Upper  
45 100  
77 14.6 0.0 28.1  
79 12.0 0.0 26.0

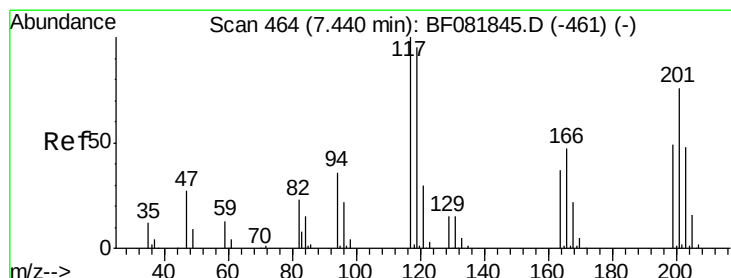
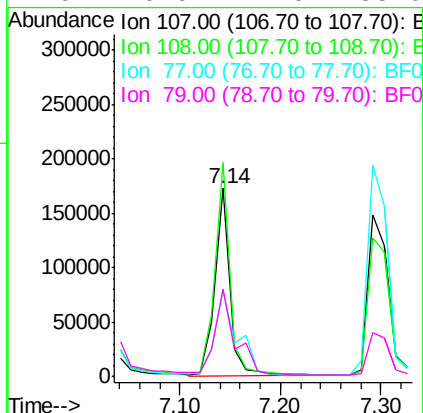
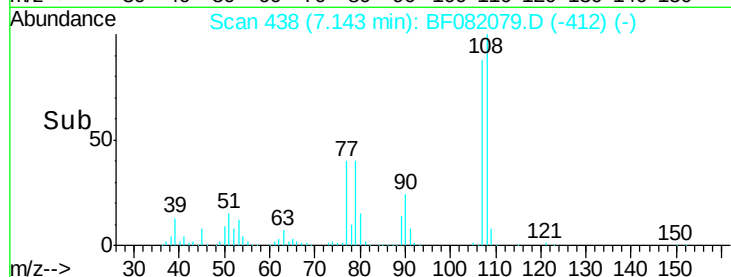
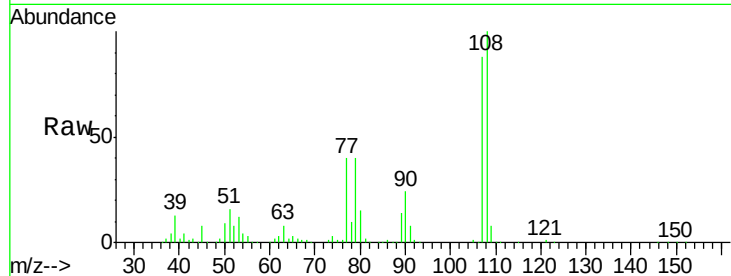




#17  
2-Methylphenol  
Concen: 44.59 ng  
RT: 7.14 min Scan# 438  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

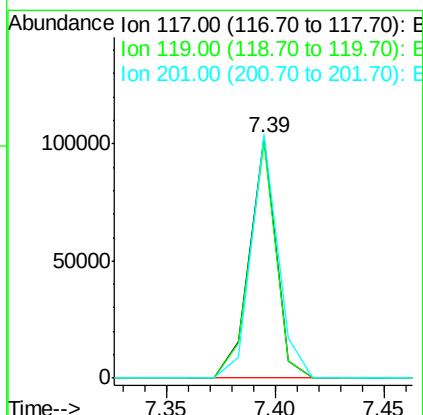
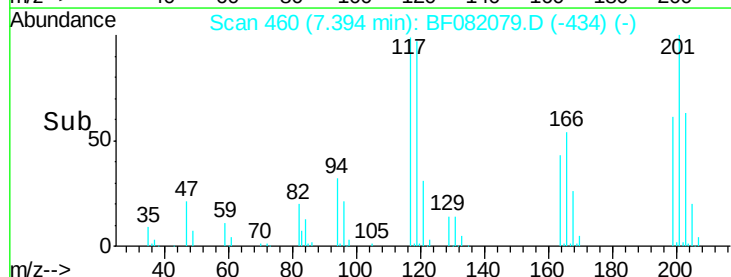
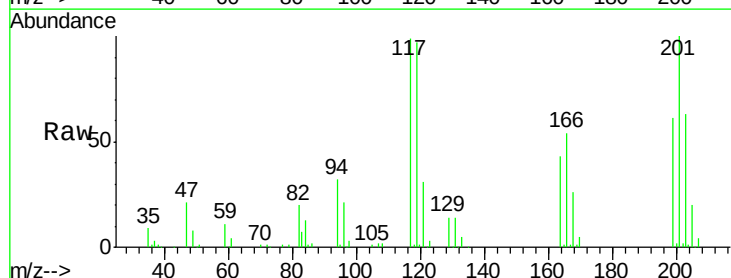
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

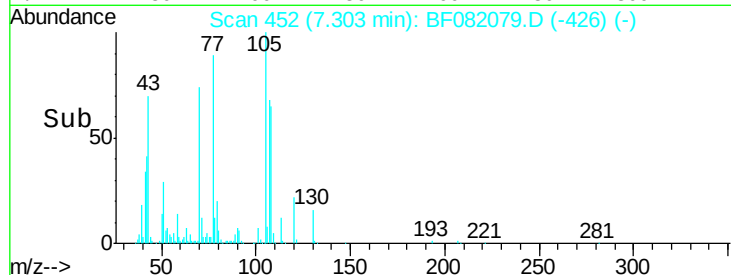
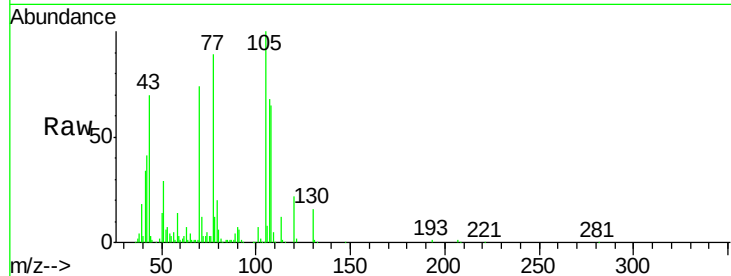
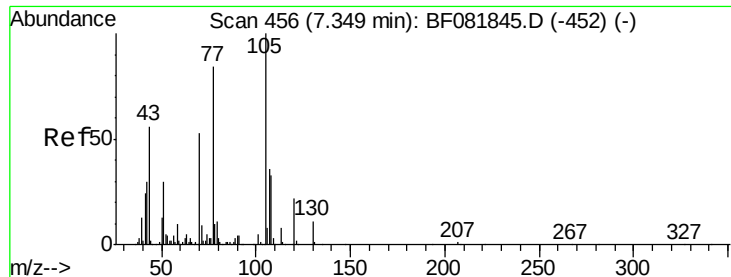
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.7 | 96.6  | 145.0 |
| 77      | 45.9  | 23.3  | 34.9# |
| 79      | 46.0  | 22.0  | 33.0# |



#18  
Hexachloroethane  
Concen: 45.07 ng  
RT: 7.39 min Scan# 460  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.1  | 83.8  | 125.6 |
| 201     | 101.1 | 55.1  | 82.7# |

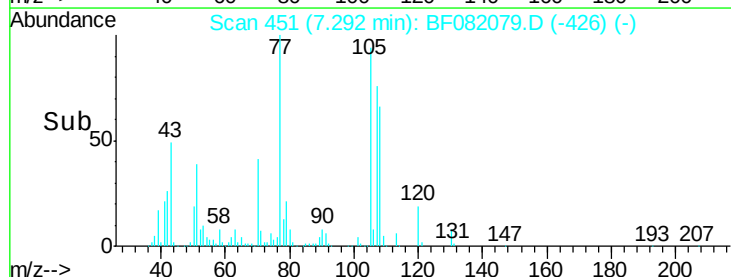
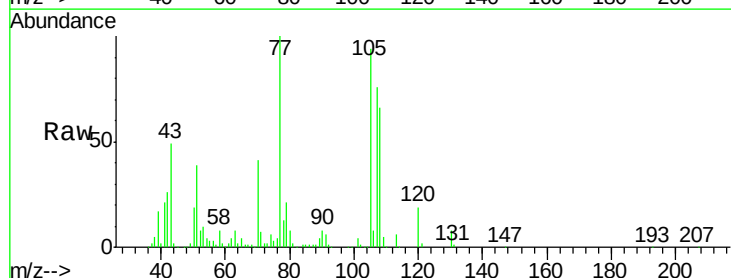
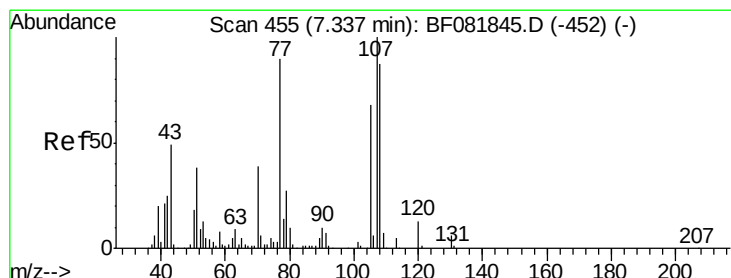
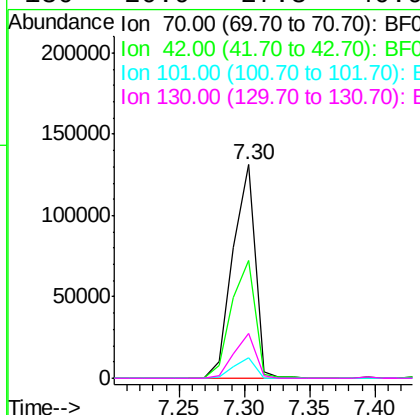




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.47 ng  
RT: 7.30 min Scan# 452  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

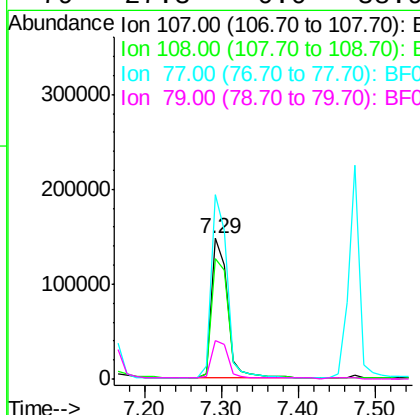
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

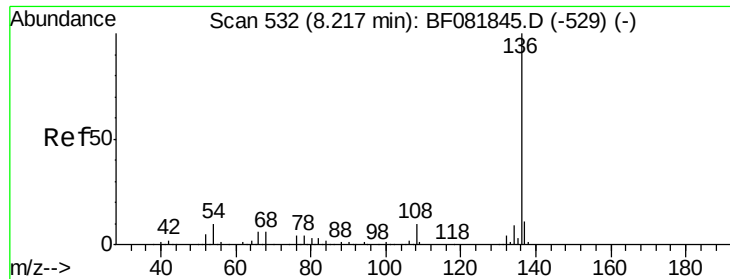
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 156308 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 54.9  | 63.8  | 95.6#  |
| 101      | 9.6   | 9.2   | 13.8   |
| 130      | 20.9  | 27.3  | 40.9#  |



#20  
3+4-Methylphenols  
Concen: 41.66 ng  
RT: 7.29 min Scan# 451  
Delta R.T. -0.01 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 211751 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.8  | 74.6  | 114.6  |
| 77       | 131.0 | 0.7   | 40.7#  |
| 79       | 27.3  | 0.0   | 38.9   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

Tot Ion:136 Resp: 330415

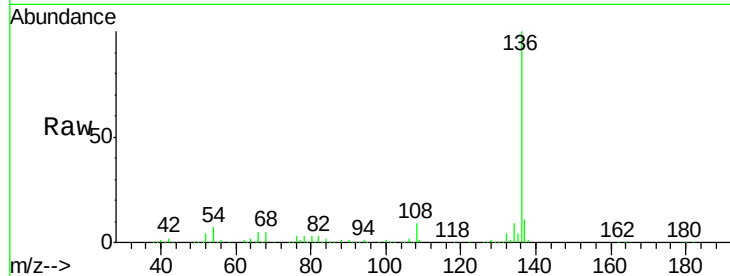
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.4 8.2 12.2#

68 4.9 5.8 8.6#

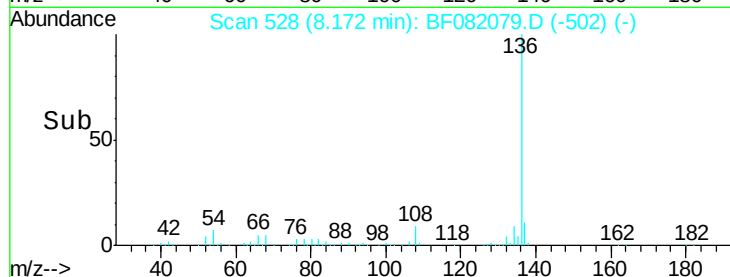


Abundance Ion 136.00 (135.70 to 136.70): E

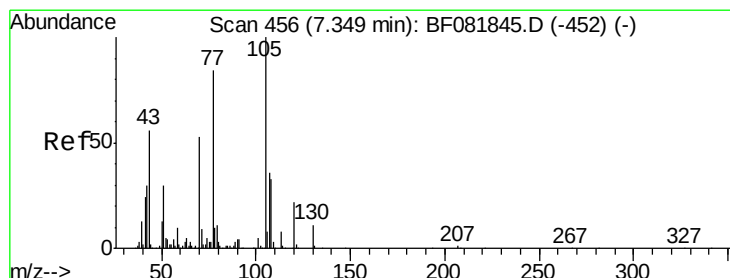
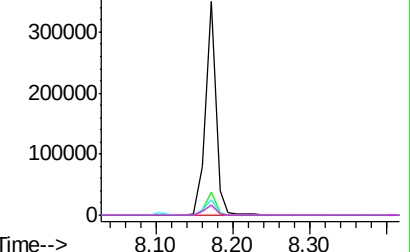
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 43.01 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Tgt Ion:105 Resp: 290569

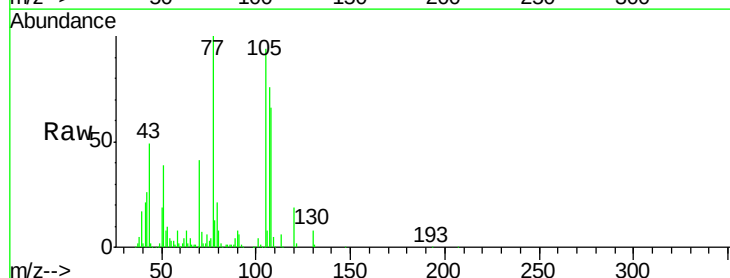
Ion Ratio Lower Upper

105 100

71 7.6 4.7 7.1#

51 41.5 22.0 33.0#

120 20.2 30.1 45.1#

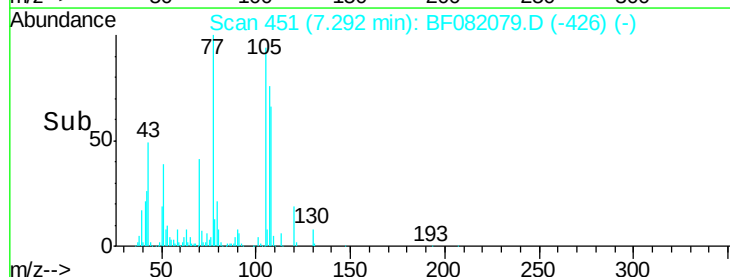


Abundance Ion 105.00 (104.70 to 105.70): E

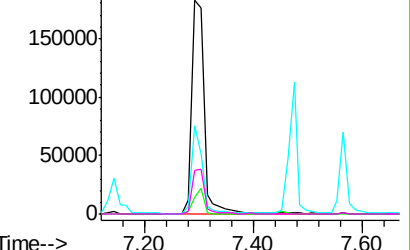
Ion 71.00 (70.70 to 71.70): BF0

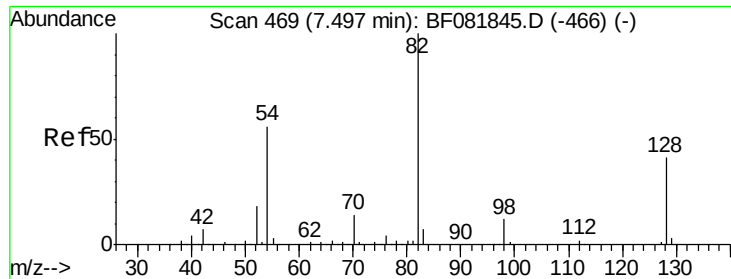
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

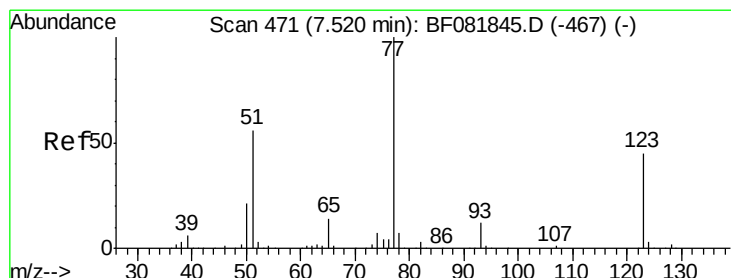
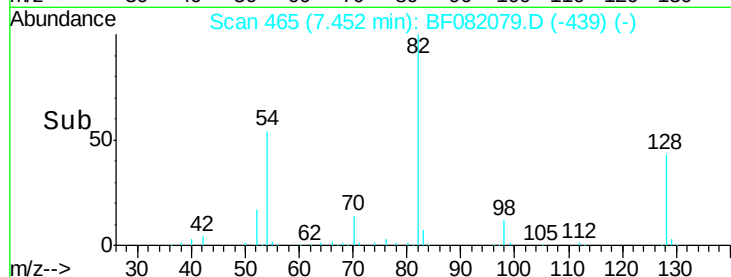
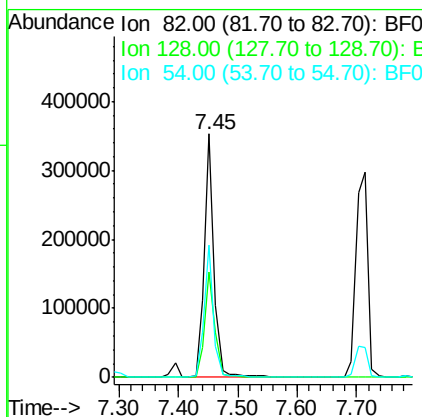
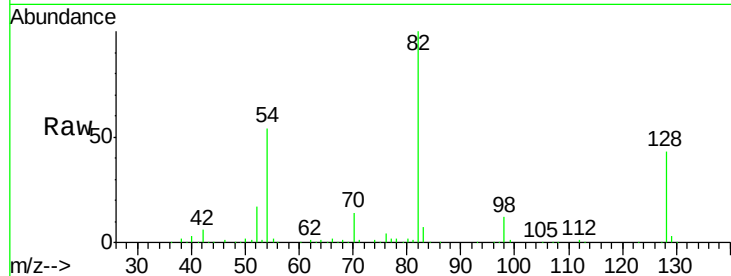




#23  
Nitrobenzene-d5  
Concen: 84.51 ng  
RT: 7.45 min Scan# 465  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

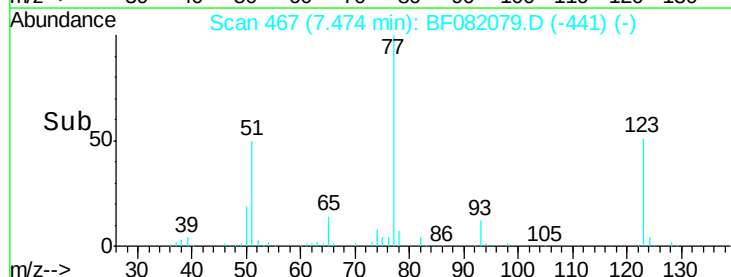
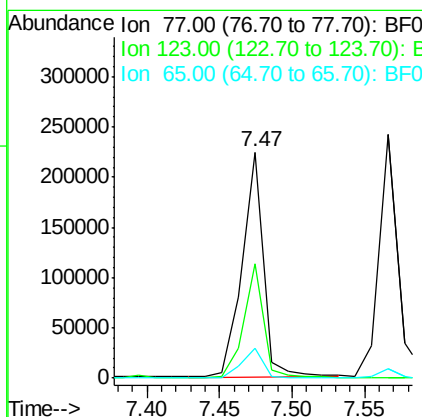
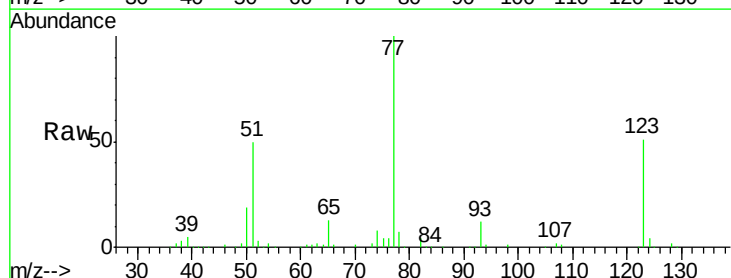
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

Tot Ion: 82 Resp: 418906  
Ion Ratio Lower Upper  
82 100  
128 43.1 51.0 76.6#  
54 54.1 47.5 71.3

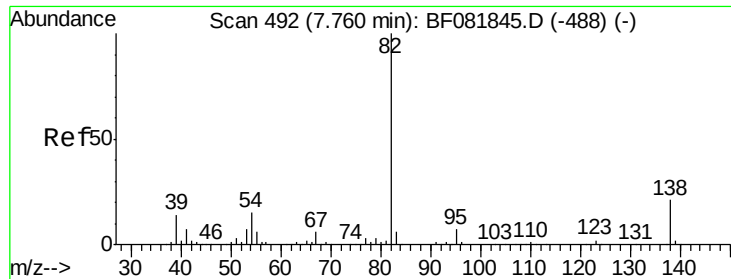


#24  
Nitrobenzene  
Concen: 42.82 ng  
RT: 7.47 min Scan# 467  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 77 Resp: 230474  
Ion Ratio Lower Upper  
77 100  
123 50.7 59.8 89.8#  
65 13.4 10.2 15.4







#25

Isophorone

Concen: 41.90 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

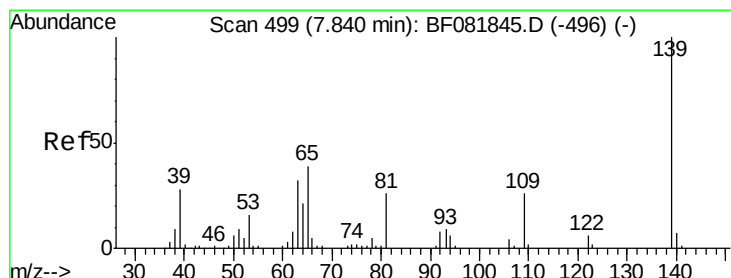
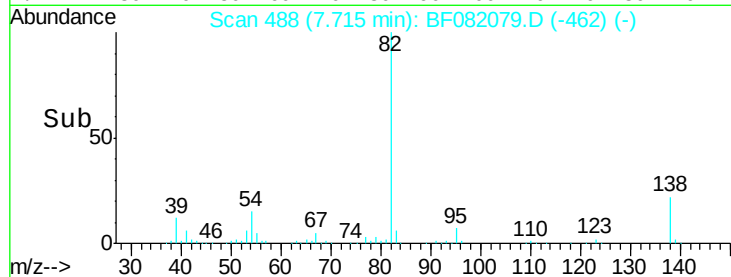
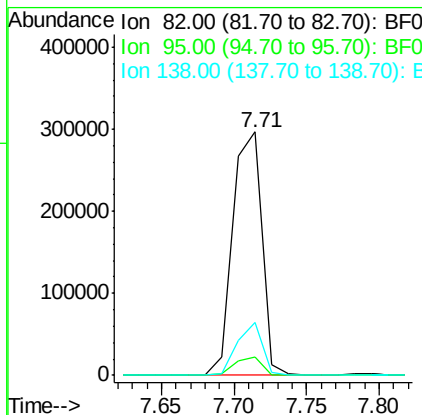
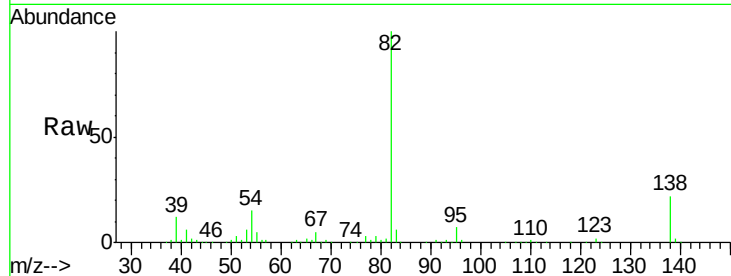
Tot Ion: 82 Resp: 411642

Ion Ratio Lower Upper

82 100

95 7.5 4.0 6.0#

138 21.7 18.3 27.5



#26

2-Nitrophenol

Concen: 44.83 ng

RT: 7.78 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

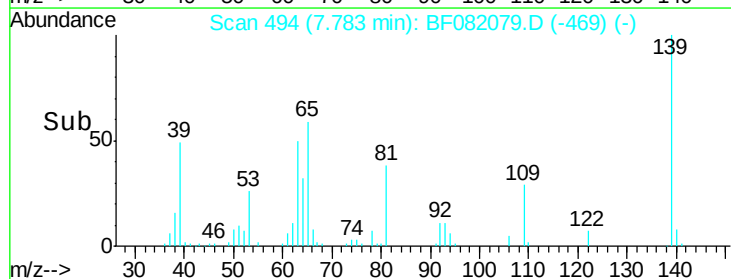
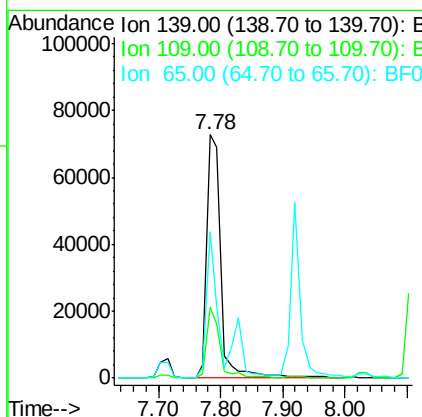
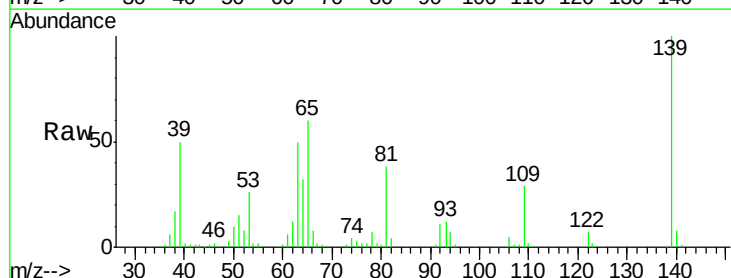
Tgt Ion: 139 Resp: 115820

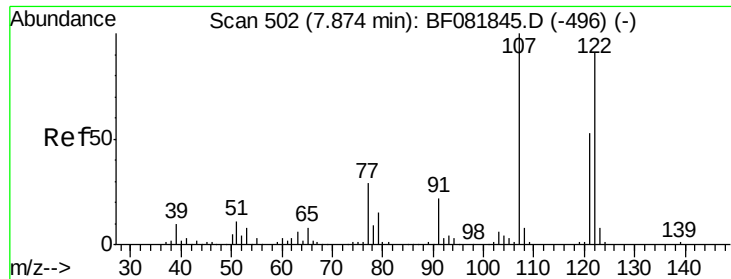
Ion Ratio Lower Upper

139 100

109 29.2 11.0 16.4#

65 60.0 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 46.25 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

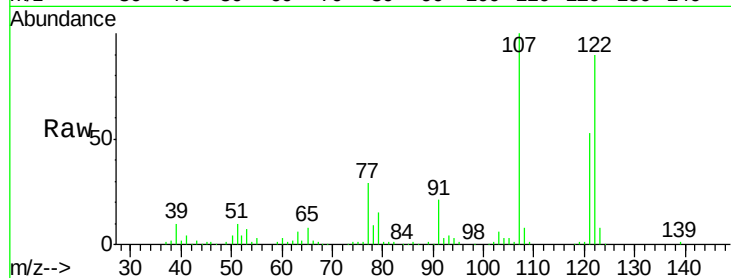
Tot Ion:122 Resp: 210222

Ion Ratio Lower Upper

122 100

107 110.7 71.8 107.6#

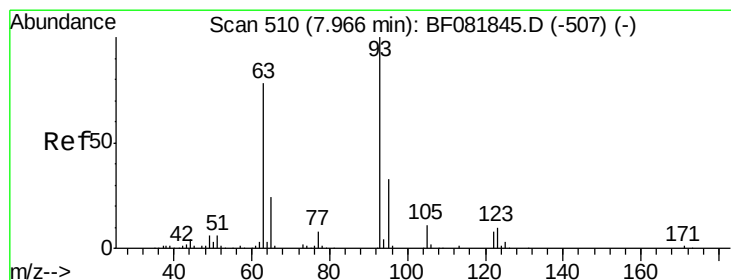
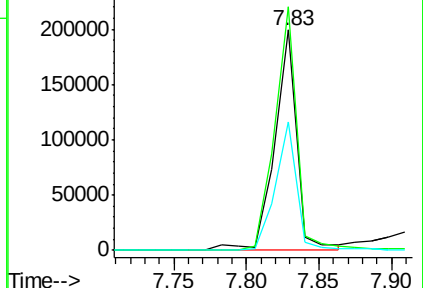
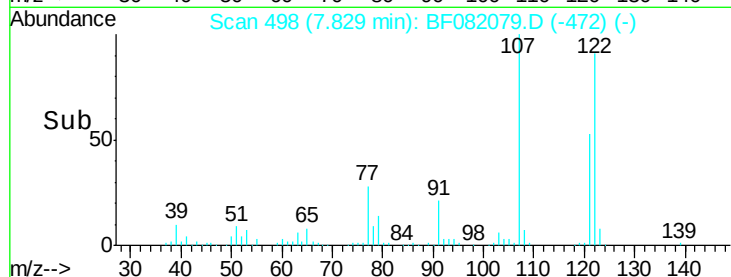
121 58.3 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.96 ng

RT: 7.92 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

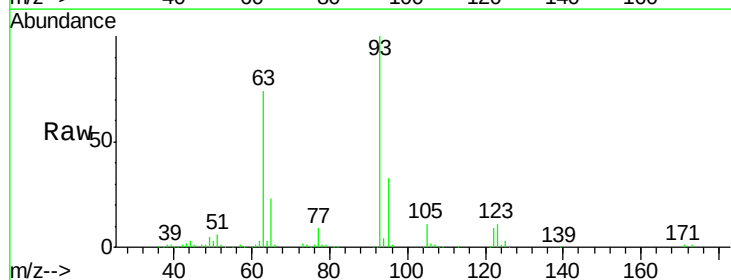
Tgt Ion: 93 Resp: 244786

Ion Ratio Lower Upper

93 100

95 32.8 27.5 41.3

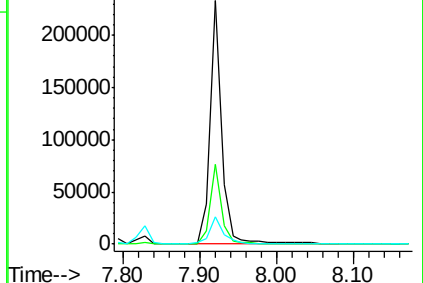
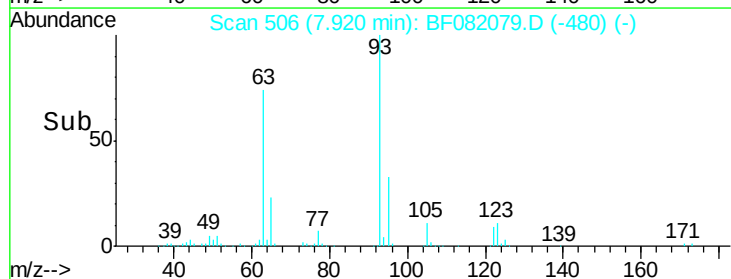
123 11.1 13.7 20.5#

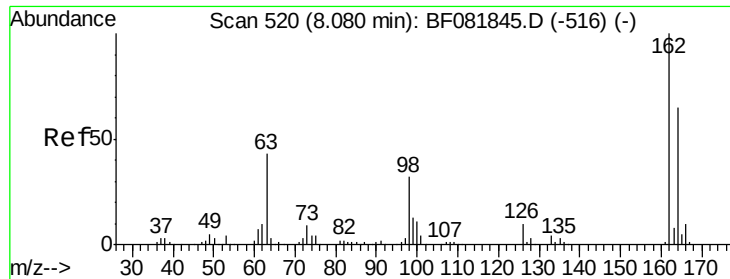


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

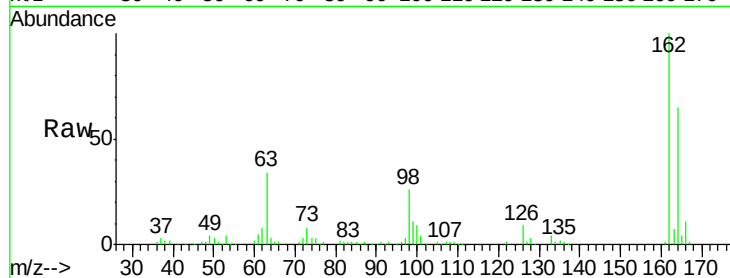




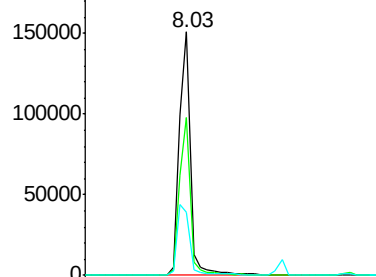
#29  
 2,4-Dichlorophenol  
 Concen: 45.13 ng  
 RT: 8.03 min Scan# 516  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

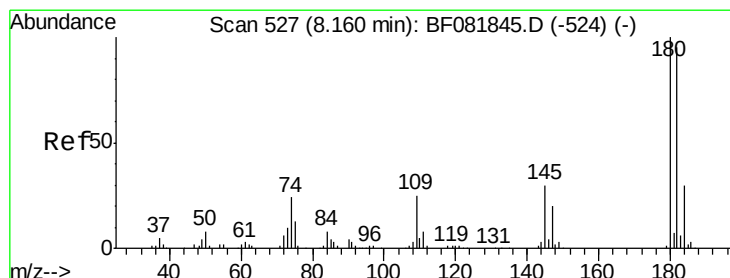
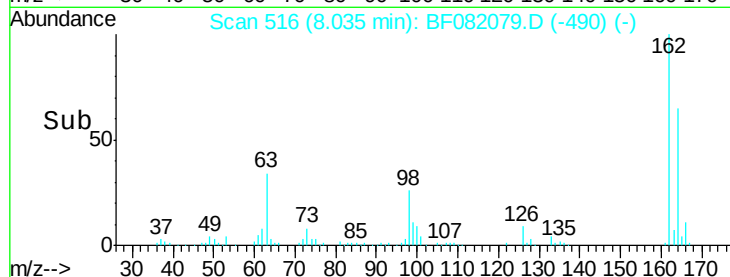
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.6  | 44.9  | 84.9  |
| 98      | 26.0  | 13.0  | 53.0  |



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

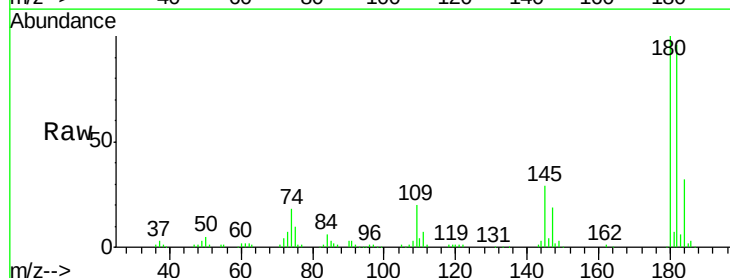


Time-->

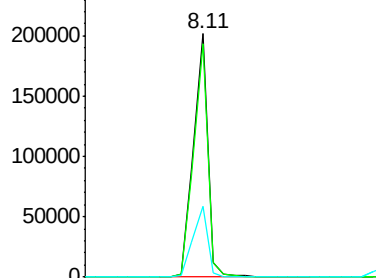


#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.53 ng  
 RT: 8.11 min Scan# 523  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

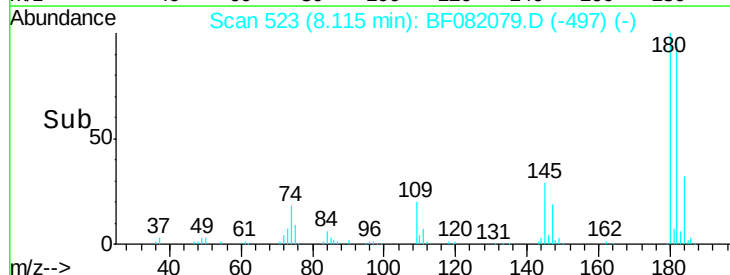
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 77.1  | 115.7 |
| 145     | 28.9  | 23.3  | 34.9  |

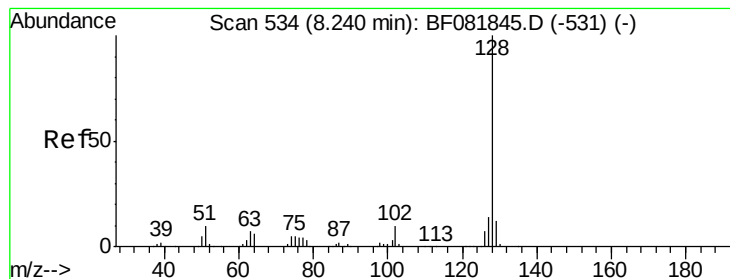


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E



Time-->





#31

Naphthalene

Concen: 44.14 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

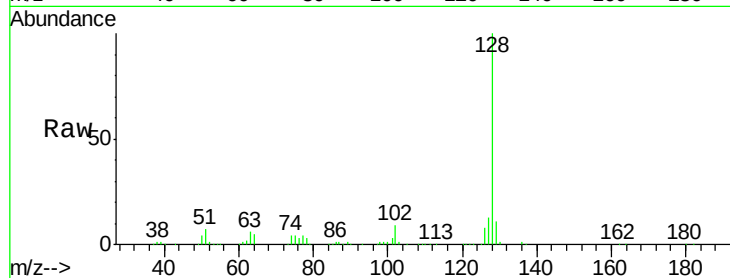
Tot Ion:128 Resp: 646259

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

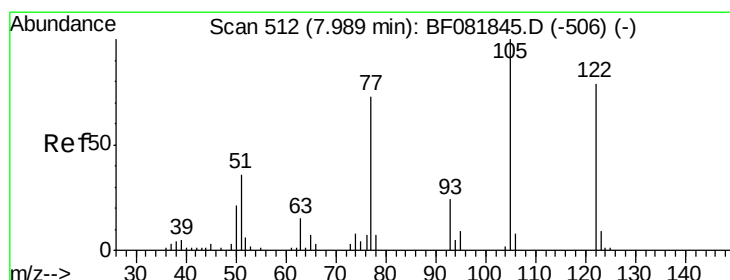
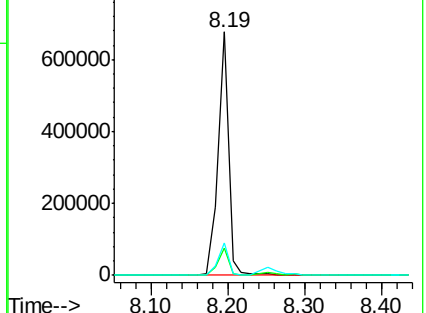
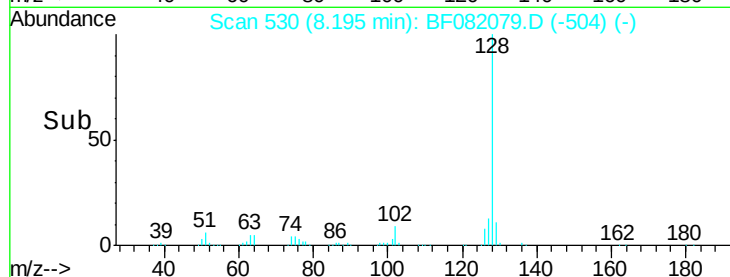
127 13.5 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.70 ng

RT: 7.94 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

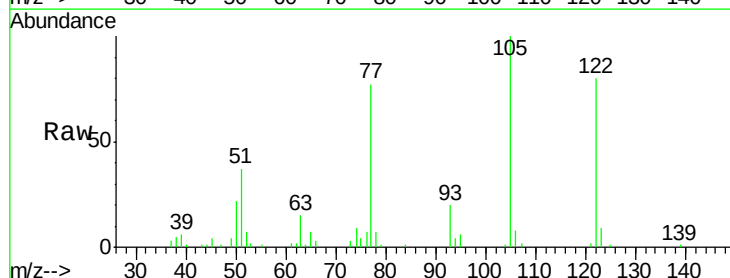
Tgt Ion:122 Resp: 103861

Ion Ratio Lower Upper

122 100

105 125.4 76.1 116.1#

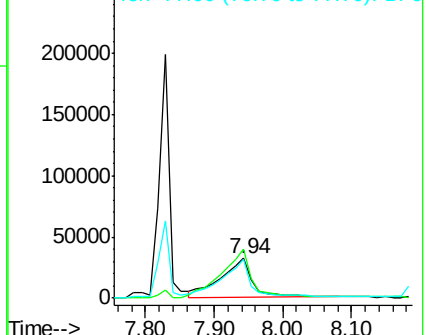
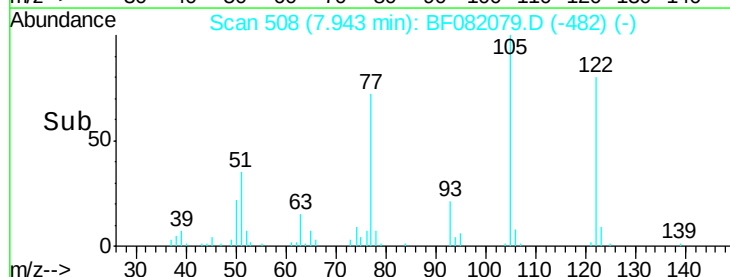
77 96.7 40.5 80.5#

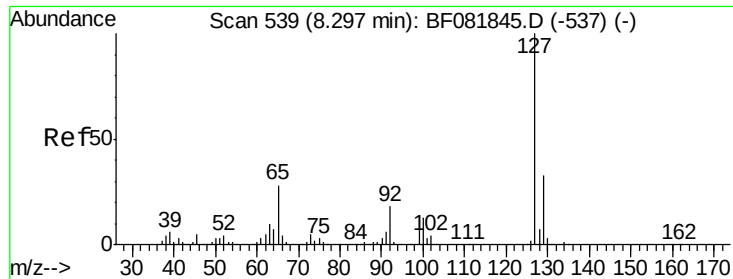


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

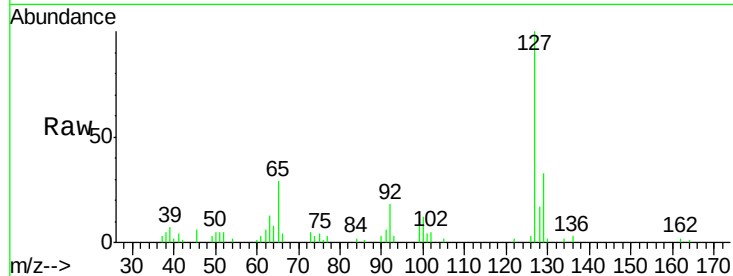




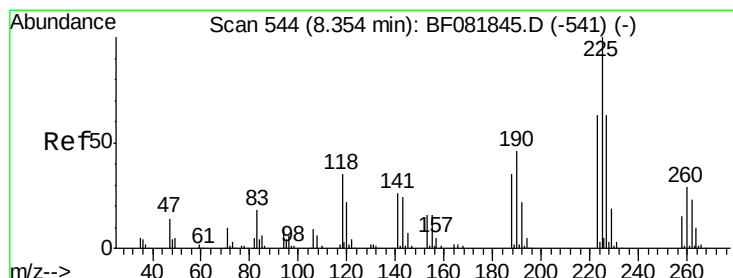
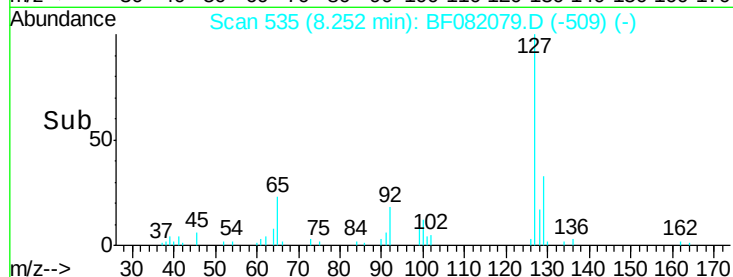
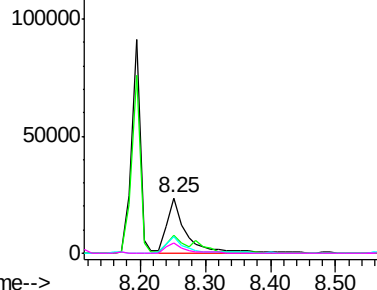
#33  
4-Chloroaniline  
Concen: 7.69 ng  
RT: 8.25 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 48669 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.6  | 25.8  | 38.6  |
| 65       | 29.0  | 17.9  | 26.9# |
| 92       | 18.0  | 10.5  | 15.7# |

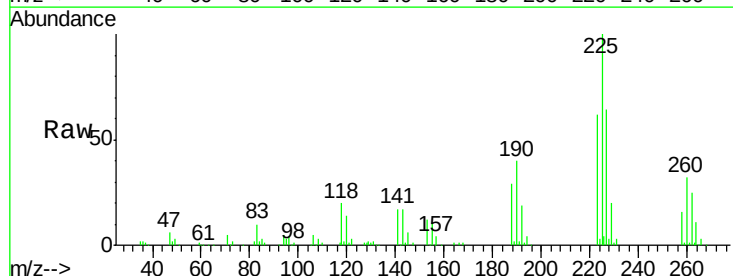


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

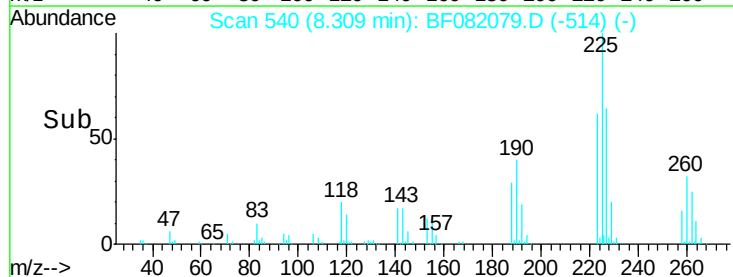
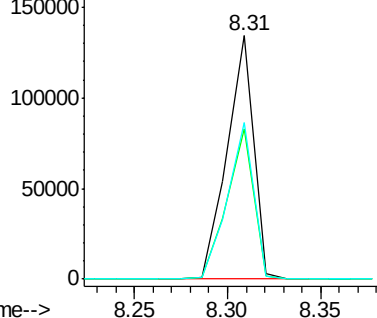


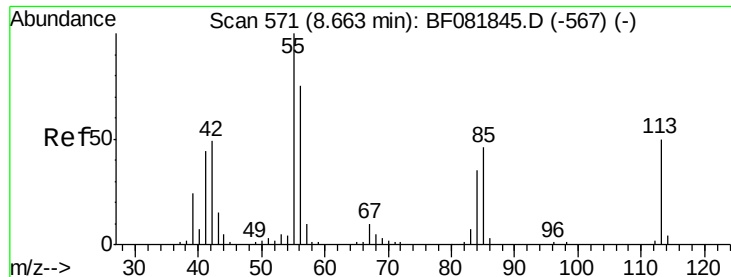
#34  
Hexachlorobutadiene  
Concen: 45.33 ng  
RT: 8.31 min Scan# 540  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 131889 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.9  | 50.2  | 75.2   |
| 227      | 64.2  | 52.2  | 78.2   |



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





#35

Caprolactam

Concen: 33.03 ng

RT: 8.62 min Scan# 567

Delta R.T. -0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

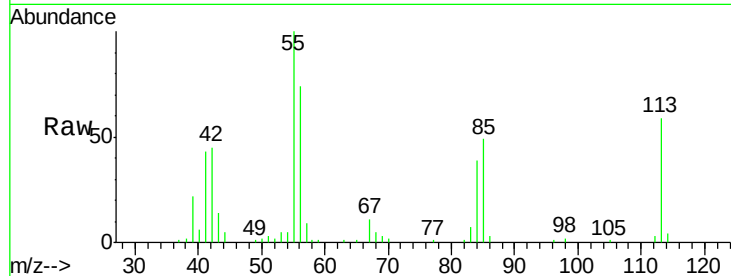
Tot Ion:113 Resp: 40303

Ion Ratio Lower Upper

113 100

55 170.7 152.4 192.4

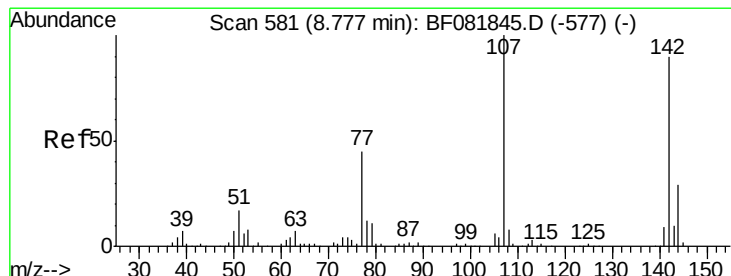
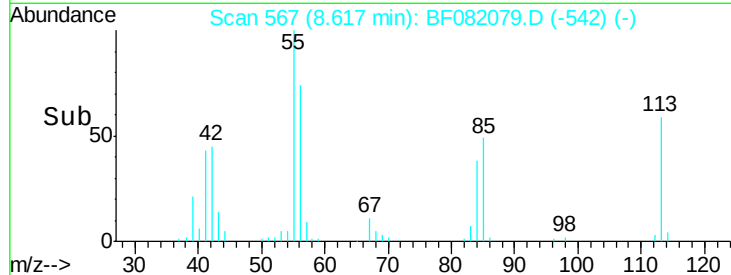
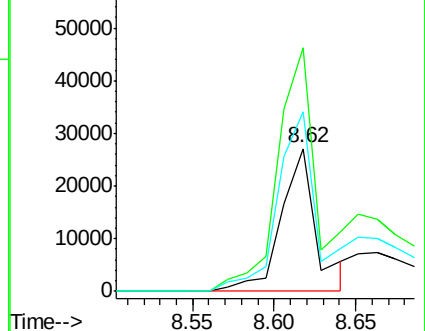
56 126.3 104.6 144.6



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: 45.47 ng

RT: 8.73 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

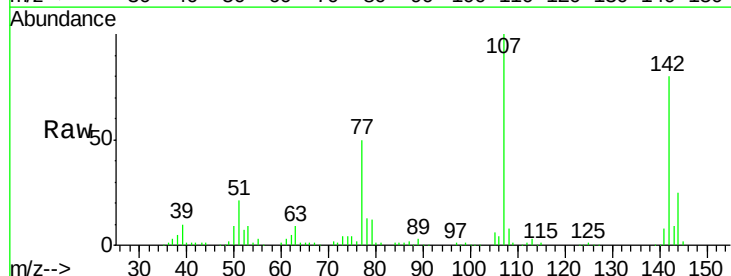
Tgt Ion:107 Resp: 195949

Ion Ratio Lower Upper

107 100

144 25.3 25.4 38.0#

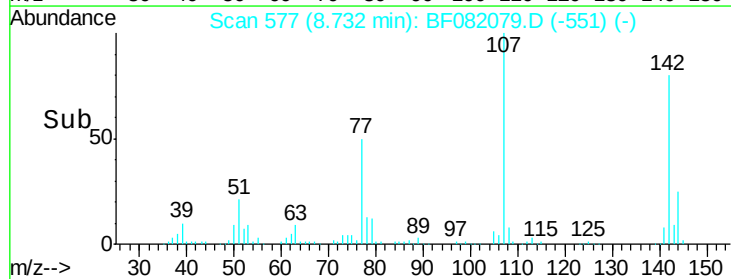
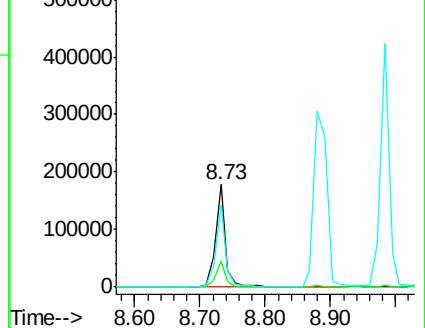
142 79.8 77.3 115.9

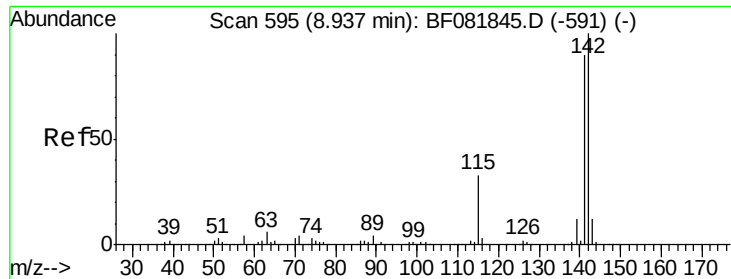


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

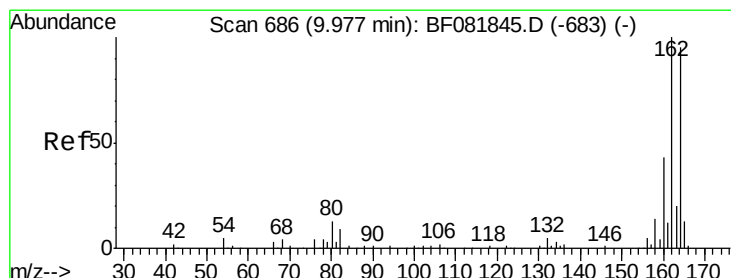
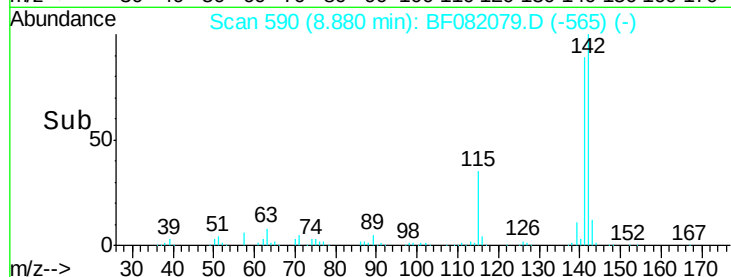
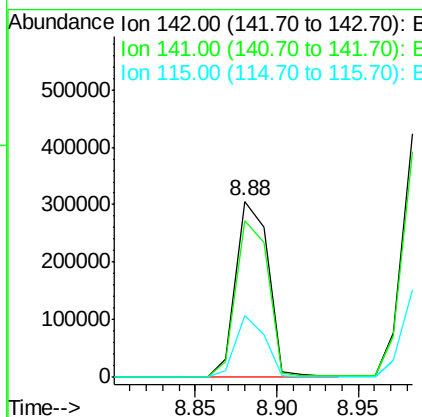
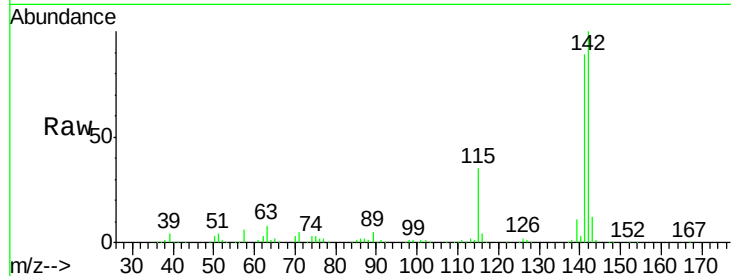




#37  
2-Methylnaphthalene  
Concen: 42.33 ng  
RT: 8.88 min Scan# 590  
Delta R.T. -0.01 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

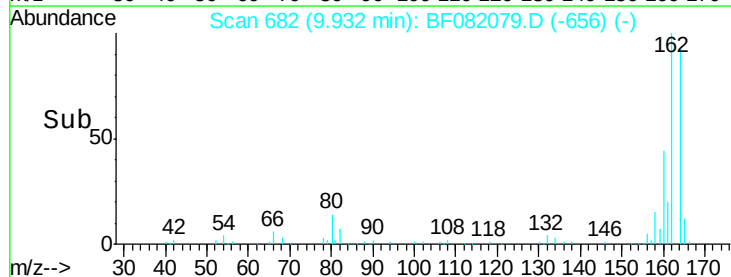
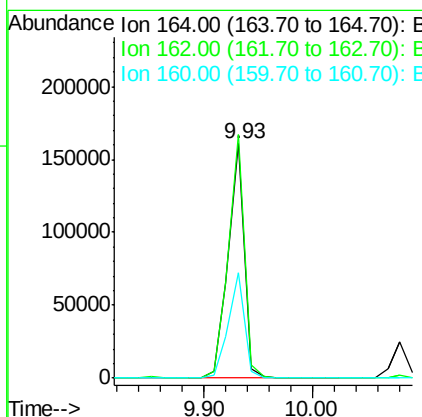
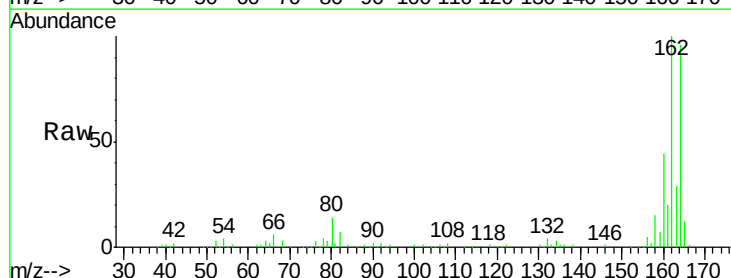
Instrument :  
BNA\_F  
ClientSampled :  
PB85739BS

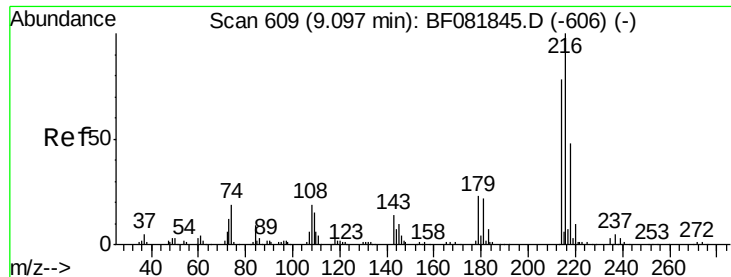
Tot Ion:142 Resp: 423067  
Ion Ratio Lower Upper  
142 100  
141 88.9 67.5 101.3  
115 35.3 18.2 27.2#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.93 min Scan# 682  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion:164 Resp: 163964  
Ion Ratio Lower Upper  
164 100  
162 104.0 75.2 112.8  
160 45.3 31.5 47.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.44 ng

RT: 9.05 min Scan# 605

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

Tot Ion:216 Resp: 223690

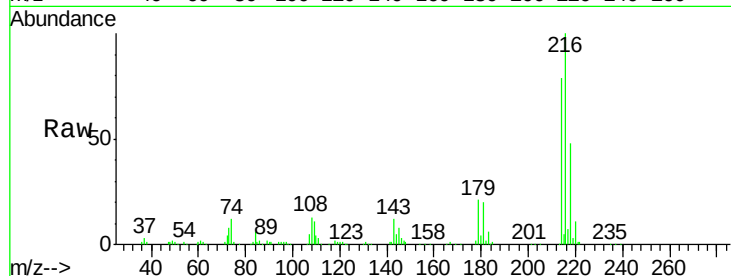
Ion Ratio Lower Upper

216 100

214 79.0 63.5 95.3

179 20.7 16.6 24.8

108 17.5 16.3 24.5

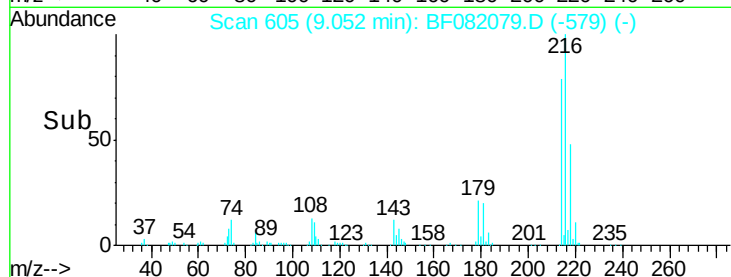


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Abundance

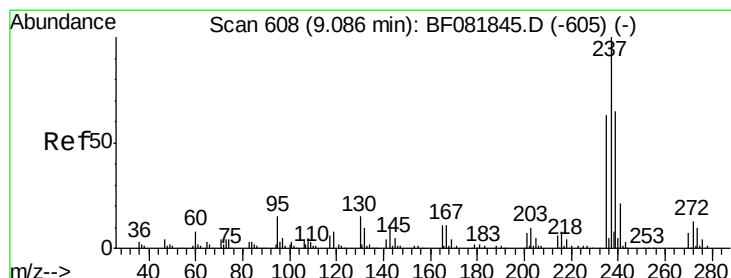
9.05

200000

100000

0

Time-->



#40

Hexachlorocyclopentadiene

Concen: 87.30 ng

RT: 9.03 min Scan# 603

Delta R.T. -0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

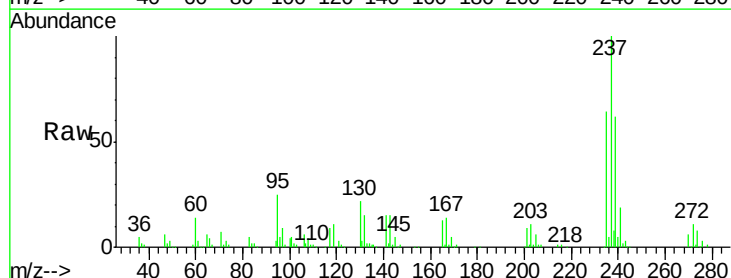
Tgt Ion:237 Resp: 226290

Ion Ratio Lower Upper

237 100

235 64.2 42.0 82.0

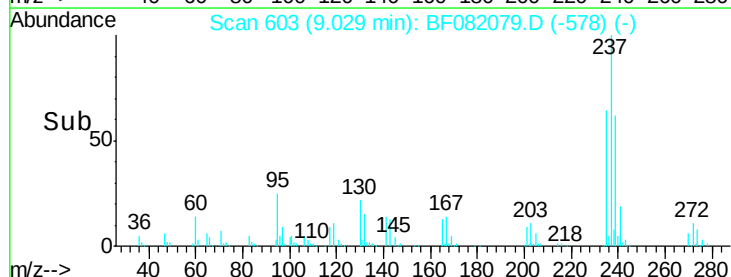
272 10.5 0.0 36.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Abundance

9.03

200000

150000

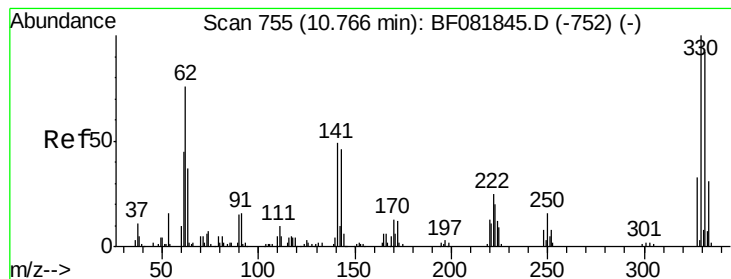
100000

50000

0

Time-->





#41

2,4,6-Tribromophenol

Concen: 118.67 ng

RT: 10.72 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

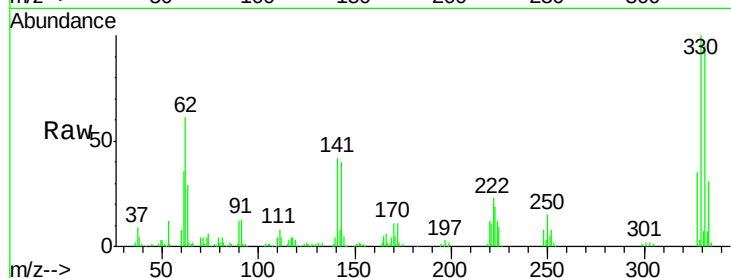
Tot Ion:330 Resp: 197065

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

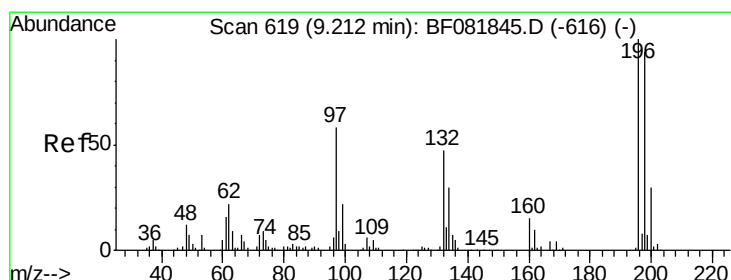
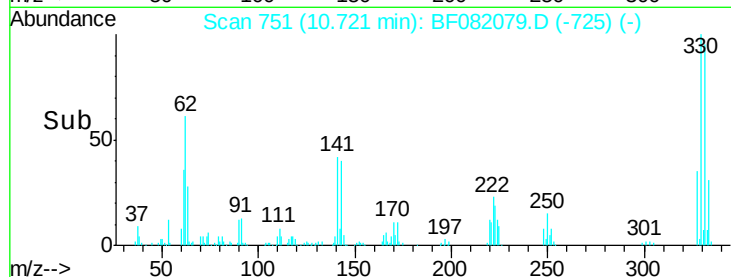
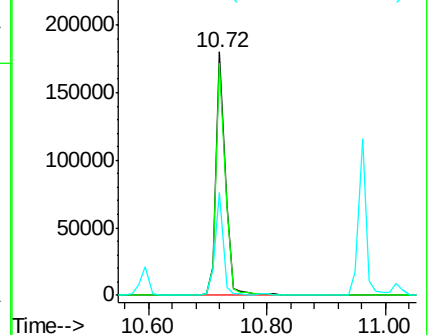
141 36.7 29.7 44.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 43.68 ng

RT: 9.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

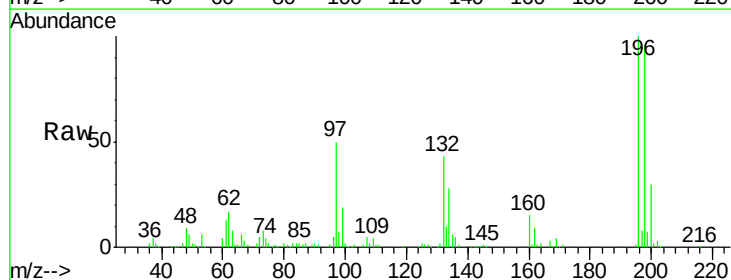
Tgt Ion:196 Resp: 150749

Ion Ratio Lower Upper

196 100

198 95.9 75.7 113.5

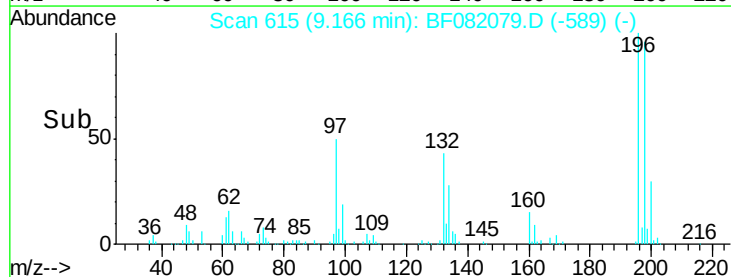
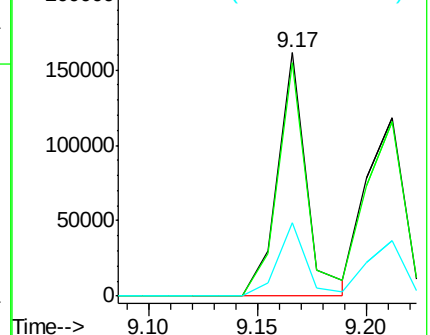
200 30.0 23.9 35.9

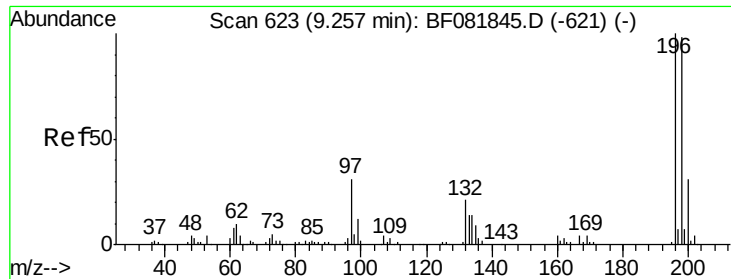


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

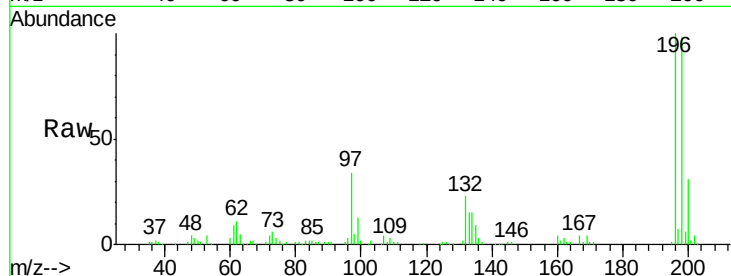




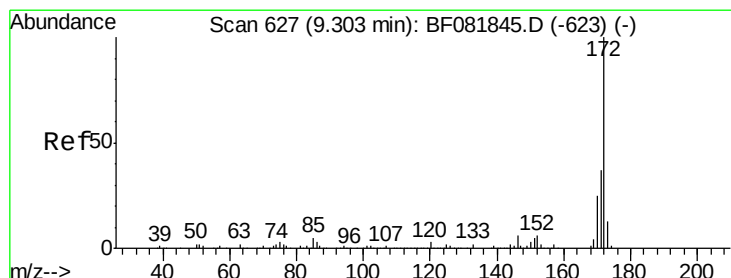
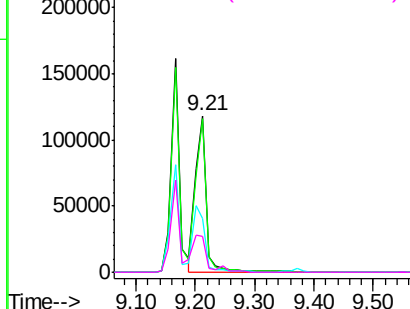
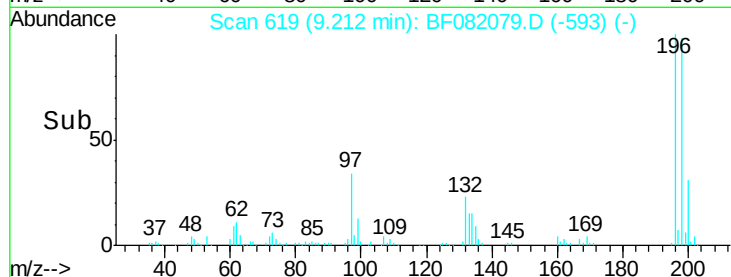
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.23 ng  
 RT: 9.21 min Scan# 619  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

Tot Ion:196 Resp: 156979  
 Ion Ratio Lower Upper  
 196 100  
 198 97.9 75.4 113.0  
 97 34.3 33.3 49.9  
 132 23.1 24.6 37.0#

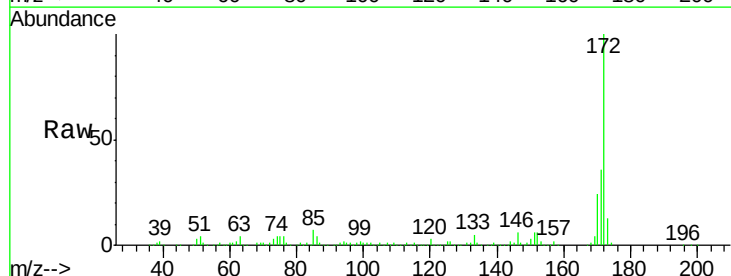


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

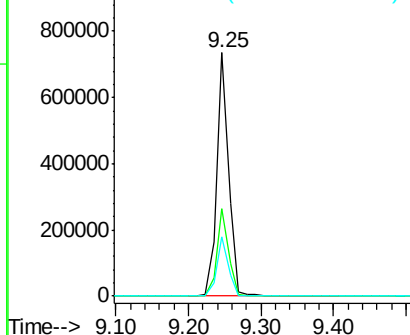
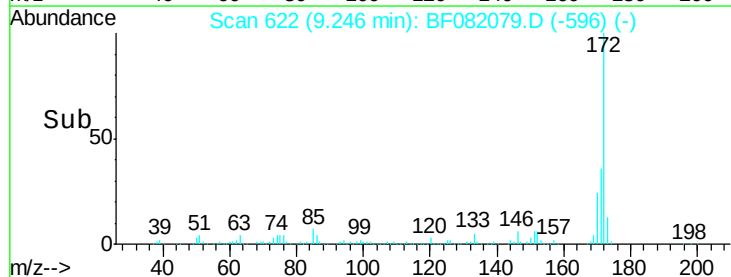


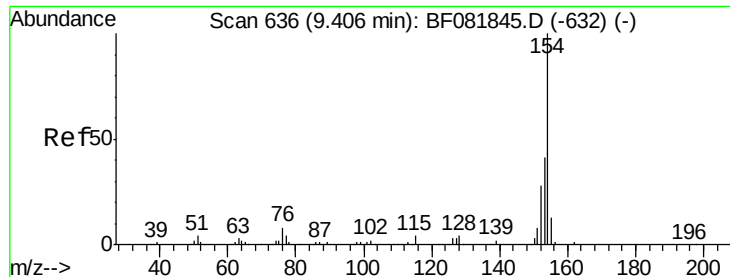
#44  
 2-Fluorobiphenyl  
 Concen: 85.22 ng  
 RT: 9.25 min Scan# 622  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:172 Resp: 834592  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 26.1 39.1  
 170 24.4 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

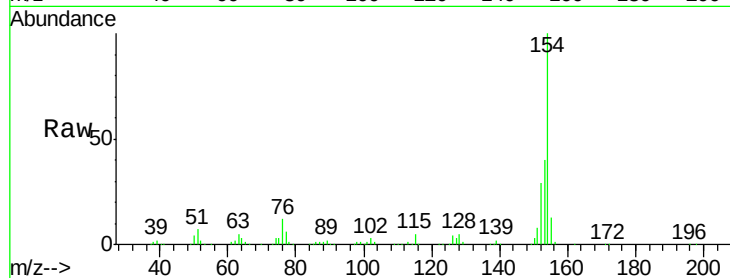




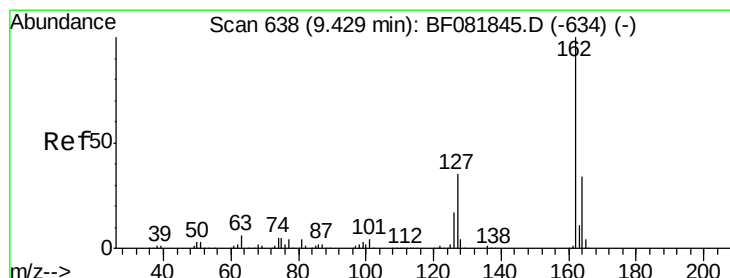
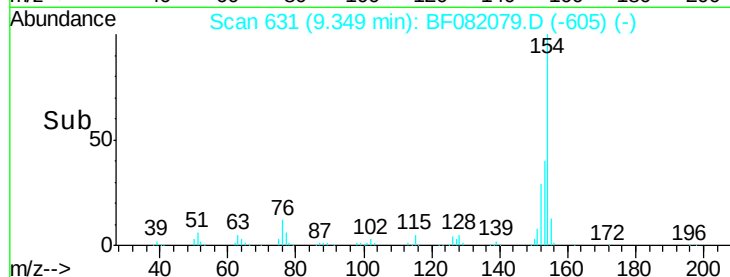
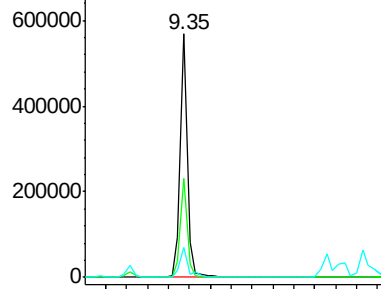
#45  
 1,1'-Biphenyl  
 Concen: 42.38 ng  
 RT: 9.35 min Scan# 631  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

Tot Ion:154 Resp: 536043  
 Ion Ratio Lower Upper  
 154 100  
 153 40.4 17.1 57.1  
 76 12.4 0.0 31.6

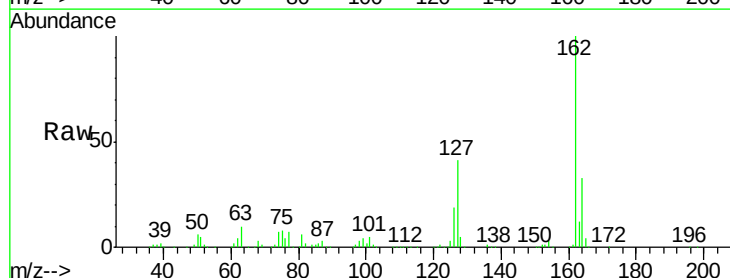


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

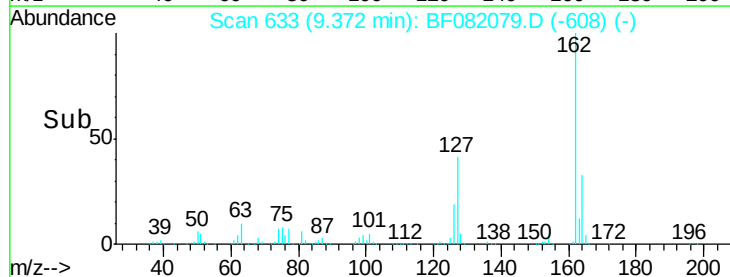
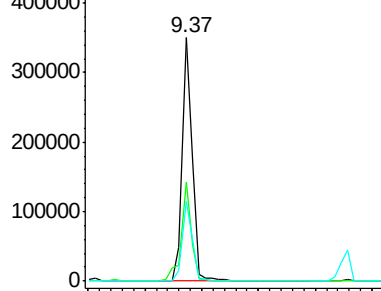


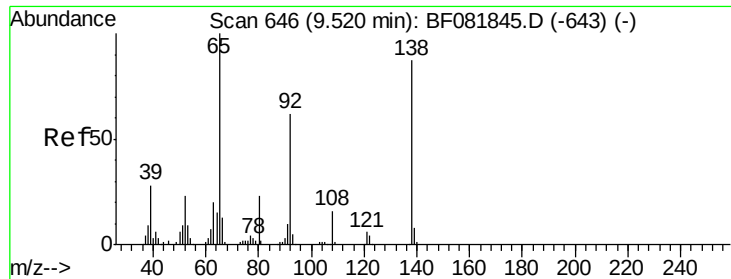
#46  
 2-Chloronaphthalene  
 Concen: 41.41 ng  
 RT: 9.37 min Scan# 633  
 Delta R.T. -0.01 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:162 Resp: 411319  
 Ion Ratio Lower Upper  
 162 100  
 127 40.8 27.6 41.4  
 164 32.6 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

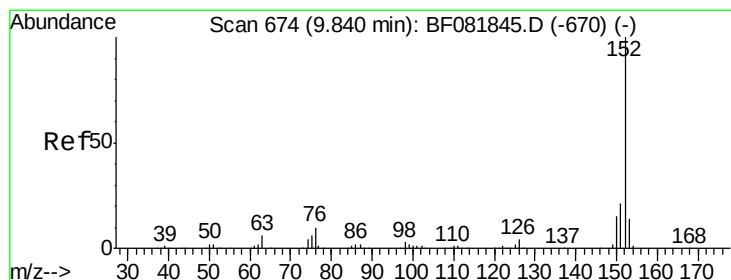
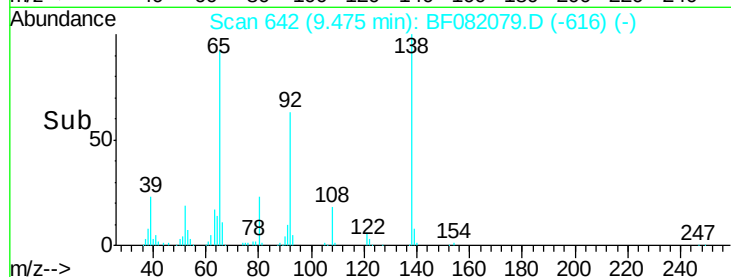
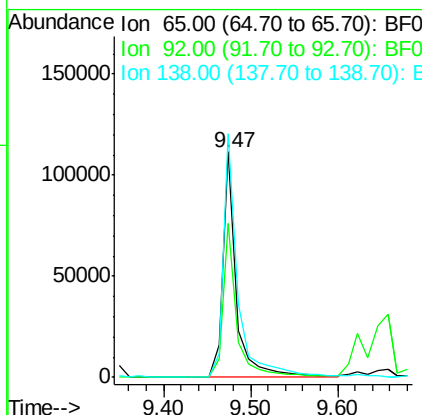
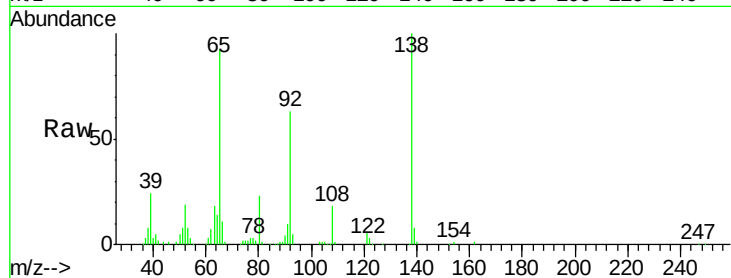




#47  
2-Nitroaniline  
Concen: 42.39 ng  
RT: 9.47 min Scan# 642  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

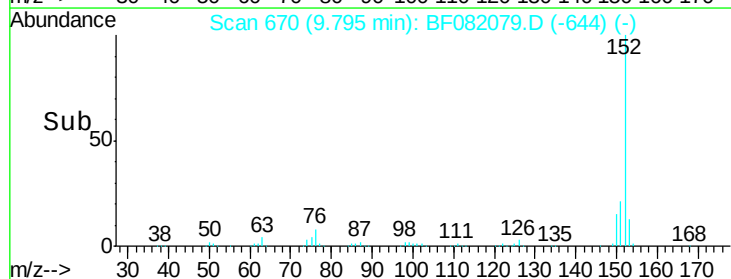
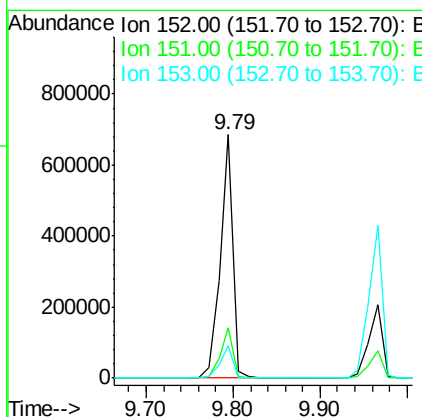
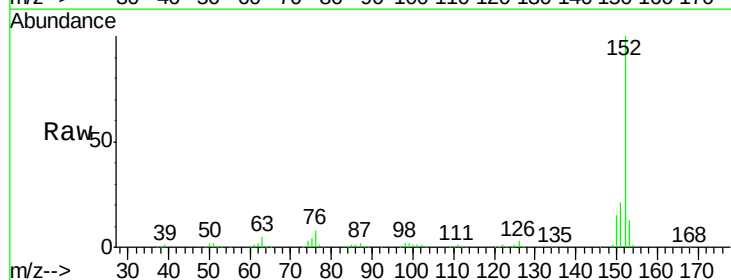
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

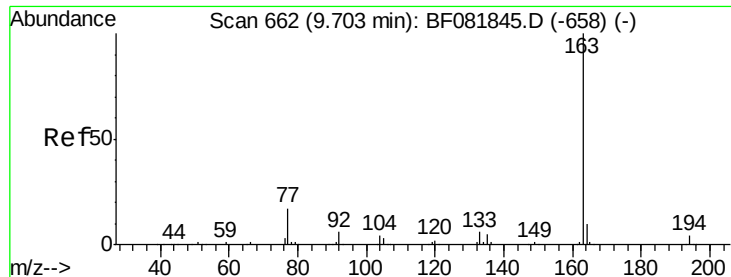
Tot Ion: 65 Resp: 123588  
Ion Ratio Lower Upper  
65 100  
92 68.5 55.4 83.0  
138 108.1 115.5 173.3#



#48  
Acenaphthylene  
Concen: 44.43 ng  
RT: 9.79 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 152 Resp: 706369  
Ion Ratio Lower Upper  
152 100  
151 20.7 14.6 22.0  
153 13.3 10.3 15.5





#49

Dimethylphthalate

Concen: 46.33 ng

RT: 9.66 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

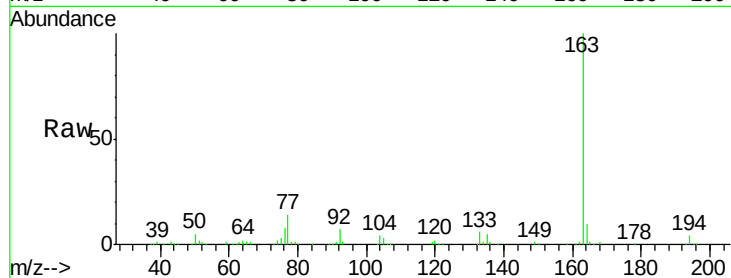
Tot Ion:163 Resp: 524295

Ion Ratio Lower Upper

163 100

194 3.9 4.4 6.6#

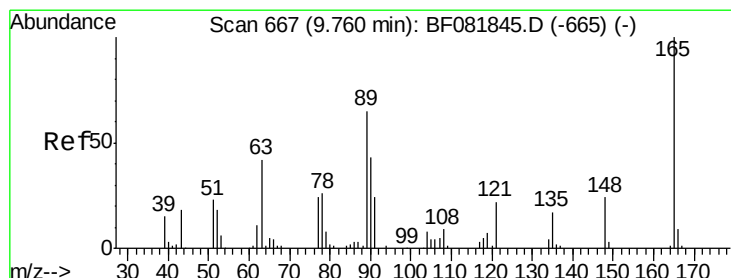
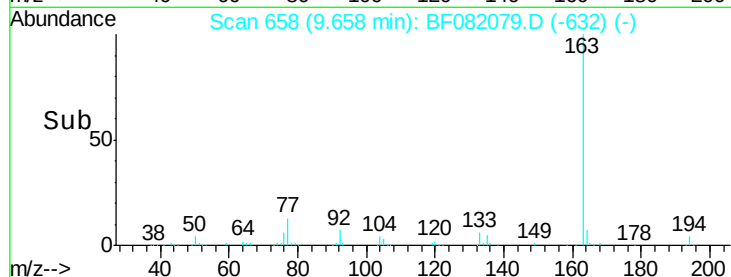
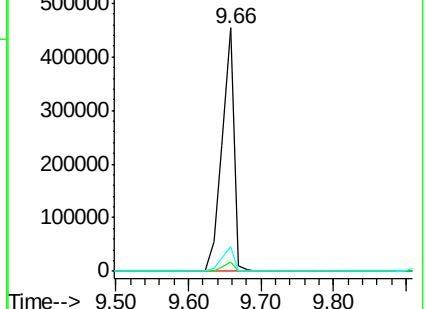
164 10.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 41.50 ng

RT: 9.71 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

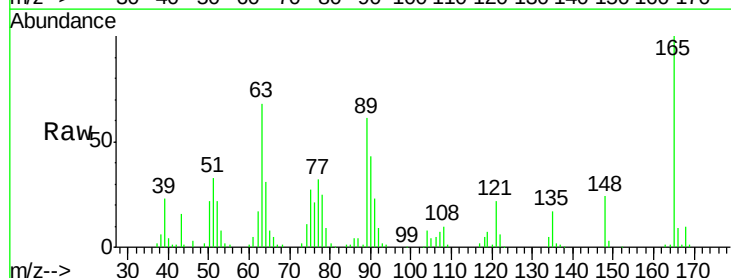
Tgt Ion:165 Resp: 101968

Ion Ratio Lower Upper

165 100

63 67.8 32.3 48.5#

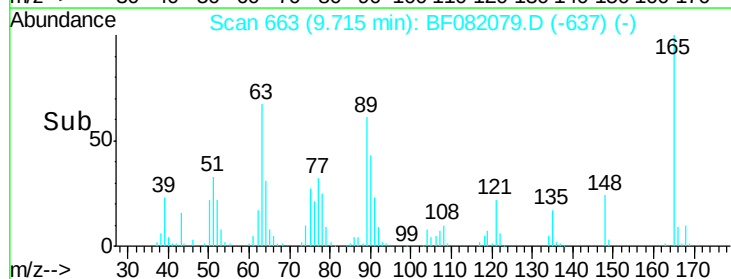
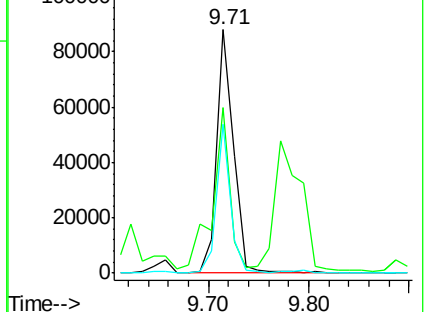
89 61.3 28.6 43.0#

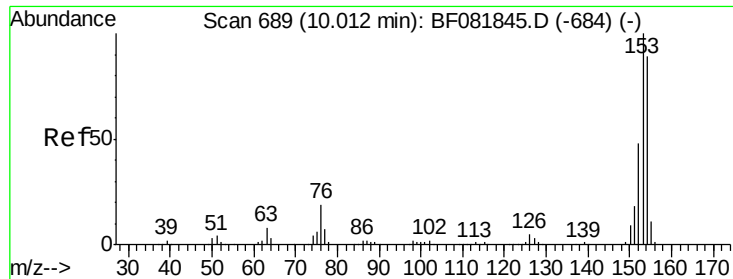


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.25 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

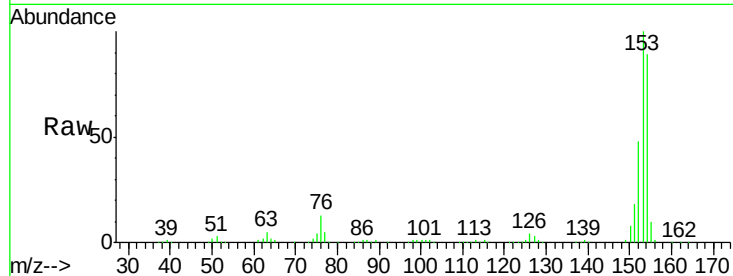
Tot Ion:154 Resp: 417760

Ion Ratio Lower Upper

154 100

153 112.6 82.1 123.1

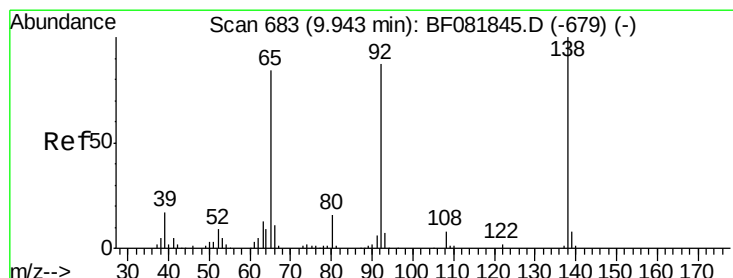
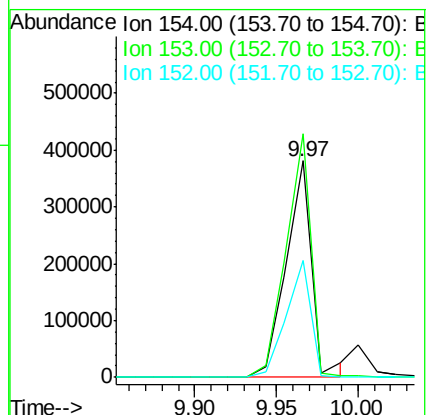
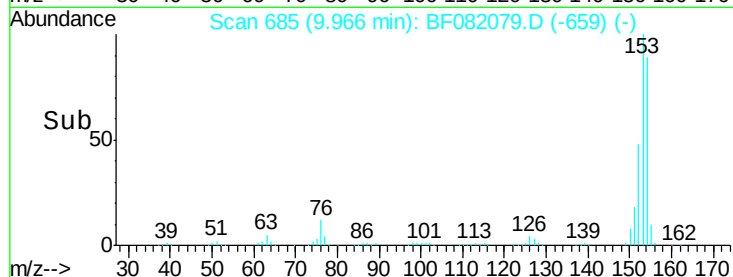
152 54.1 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 13.56 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

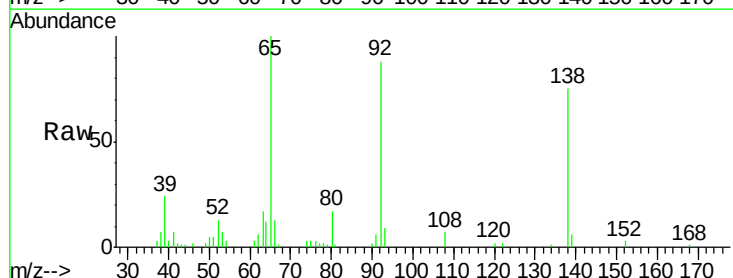
Tgt Ion:138 Resp: 38552

Ion Ratio Lower Upper

138 100

108 9.8 5.7 8.5#

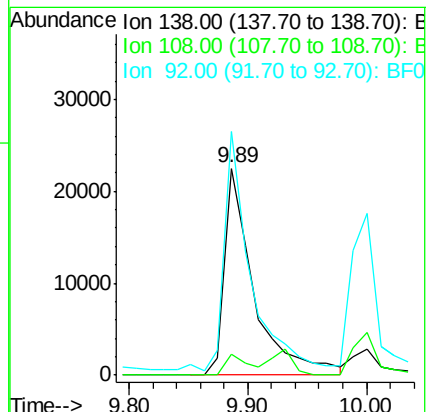
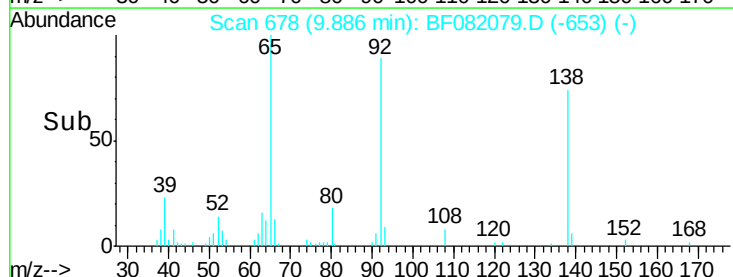
92 117.9 67.7 101.5#

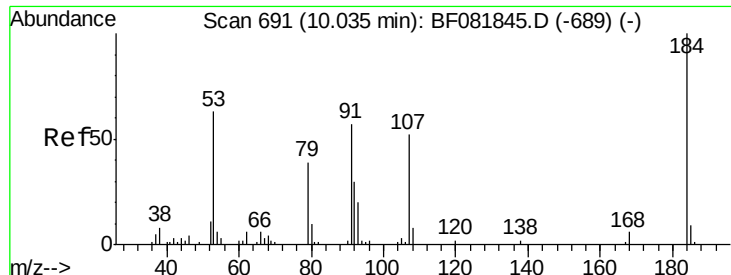


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

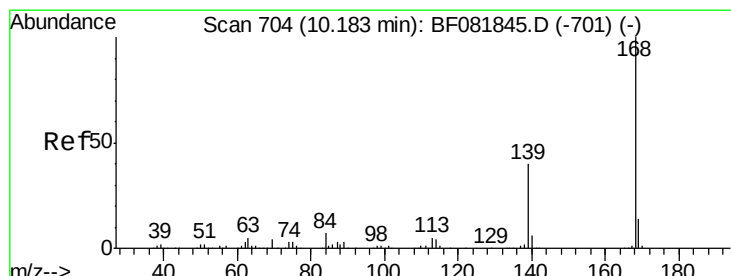
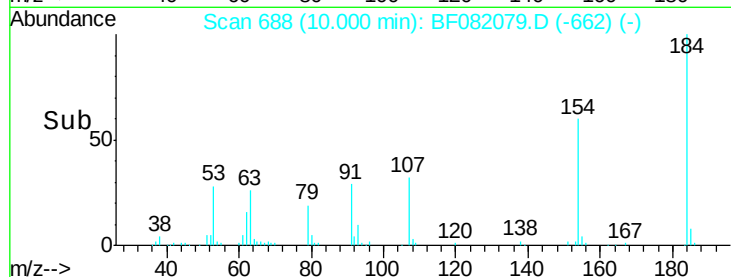
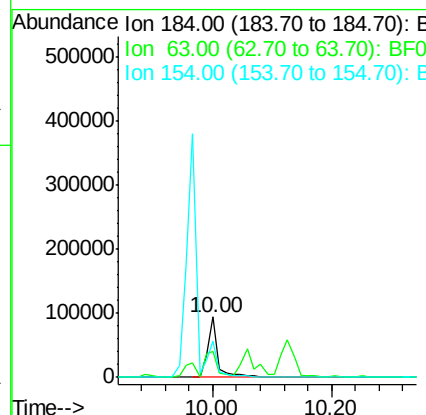
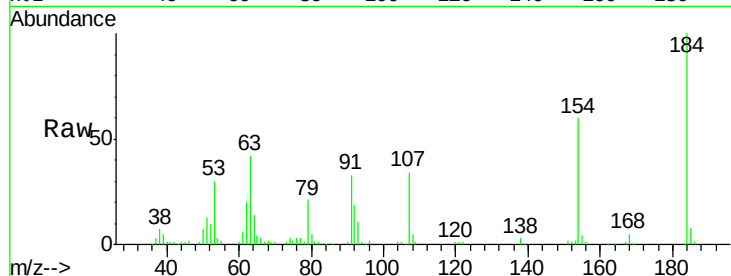




#53  
 2,4-Dinitrophenol  
 Concen: 89.45 ng  
 RT: 10.00 min Scan# 688  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

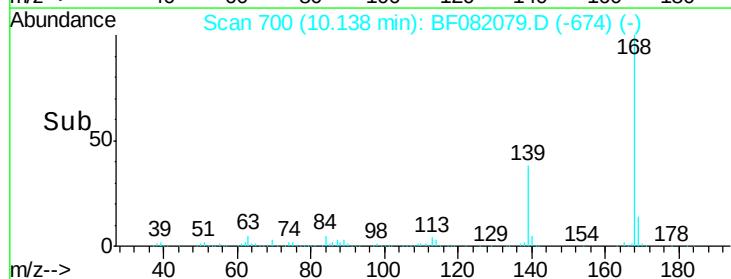
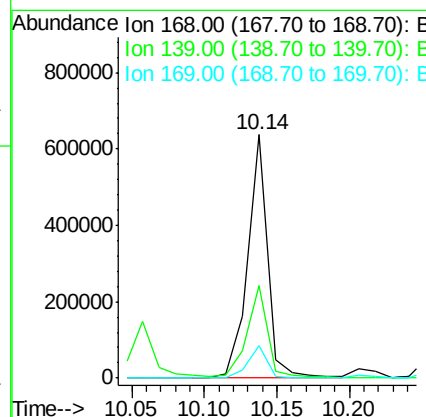
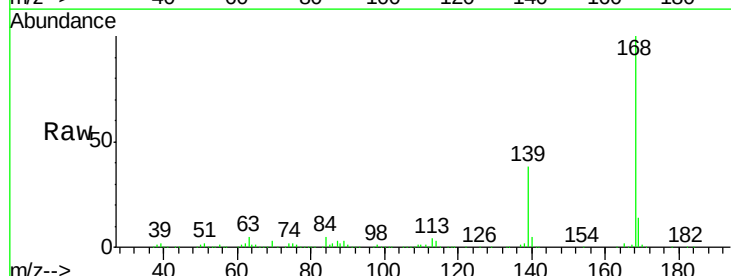
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

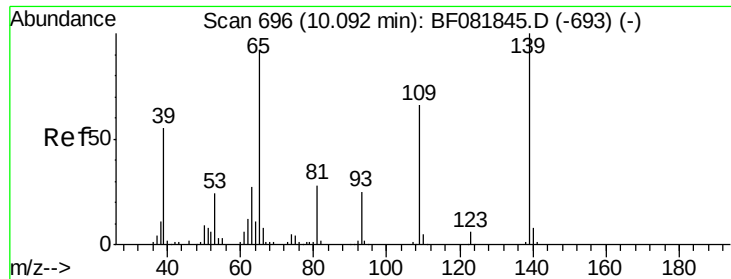
Tot Ion:184 Resp: 115951  
 Ion Ratio Lower Upper  
 184 100  
 63 42.3 35.4 53.2  
 154 59.7 32.2 48.4#



#54  
 Dibenzofuran  
 Concen: 45.72 ng  
 RT: 10.14 min Scan# 700  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:168 Resp: 609980  
 Ion Ratio Lower Upper  
 168 100  
 139 37.9 24.2 36.2#  
 169 13.5 10.6 15.8

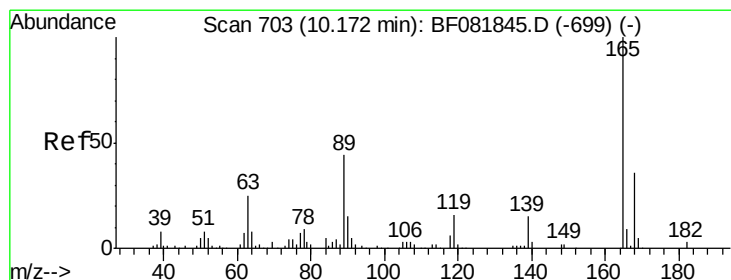
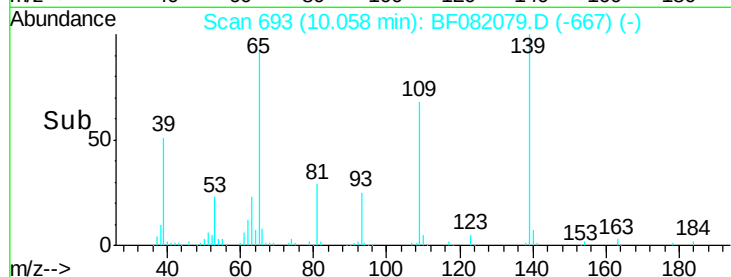
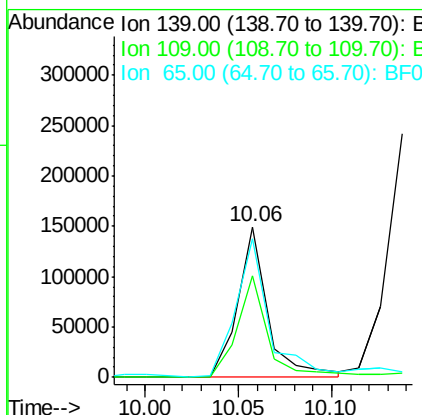
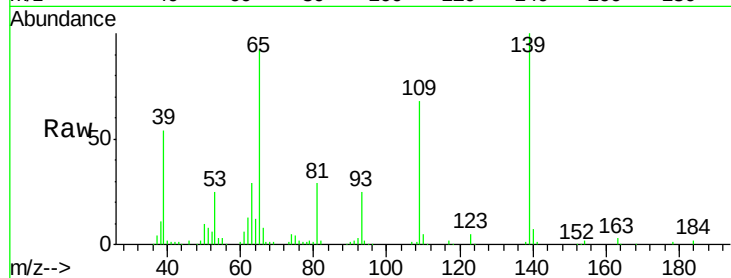




#55  
4-Nitrophenol  
Concen: 83.32 ng  
RT: 10.06 min Scan# 693  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

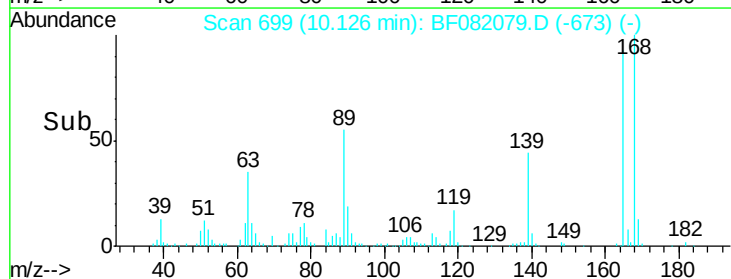
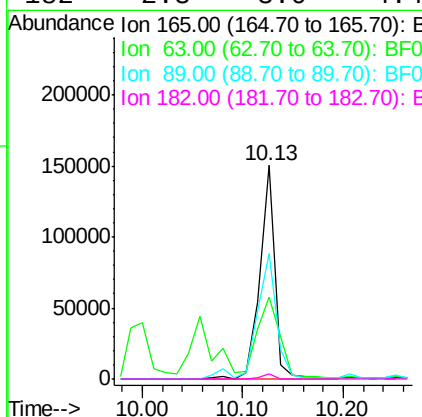
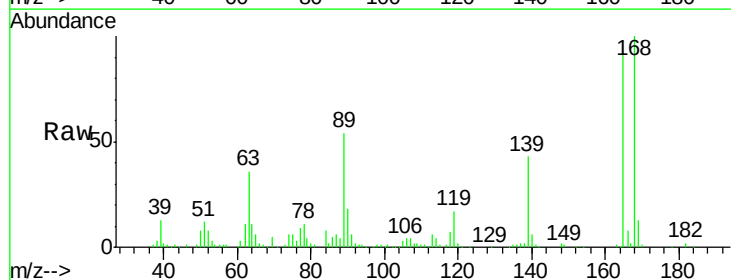
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

Tot Ion:139 Resp: 171134  
Ion Ratio Lower Upper  
139 100  
109 67.7 12.7 52.7#  
65 92.0 45.9 85.9#

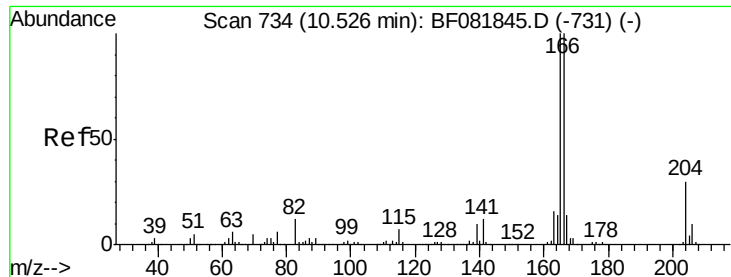


#56  
2,4-Dinitrotoluene  
Concen: 50.37 ng  
RT: 10.13 min Scan# 699  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion:165 Resp: 157773  
Ion Ratio Lower Upper  
165 100  
63 38.6 29.8 44.6  
89 58.9 44.5 66.7  
182 2.3 3.0 4.4#



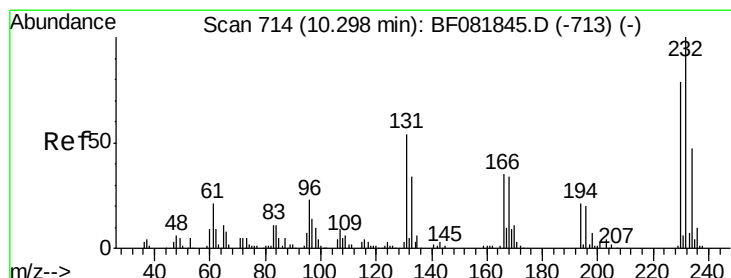
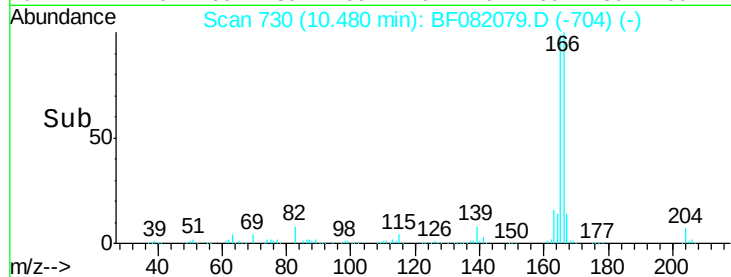
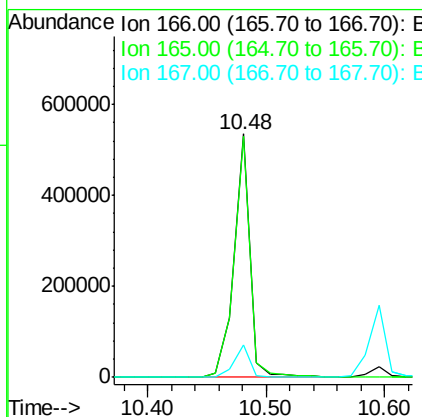
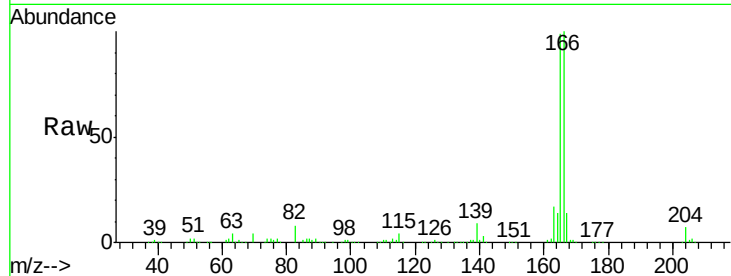




#57  
**Fluorene**  
 Concen: 52.98 ng  
 RT: 10.48 min Scan# 730  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

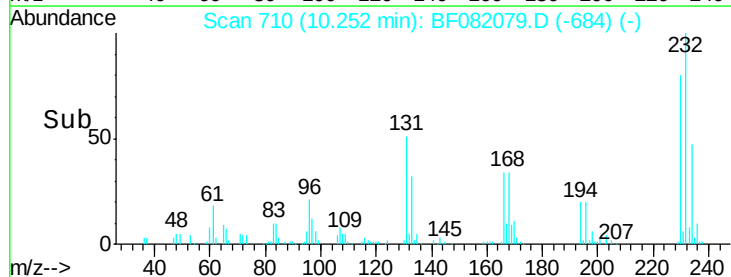
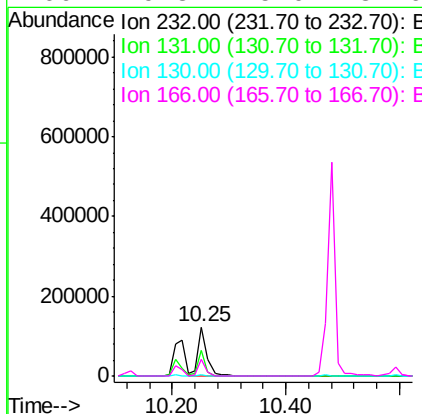
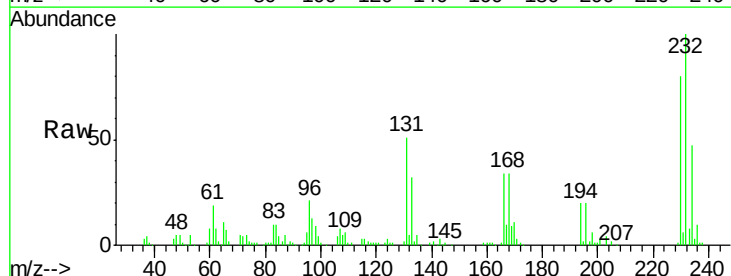
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

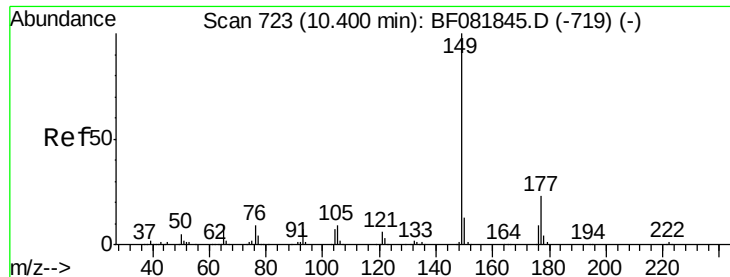
Tot Ion:166 Resp: 501893  
 Ion Ratio Lower Upper  
 166 100  
 165 99.0 72.6 109.0  
 167 13.6 10.6 16.0



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 47.85 ng  
 RT: 10.25 min Scan# 710  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:232 Resp: 134698  
 Ion Ratio Lower Upper  
 232 100  
 131 43.1 38.5 57.7  
 130 1.9 1.8 2.6  
 166 29.3 25.0 37.6

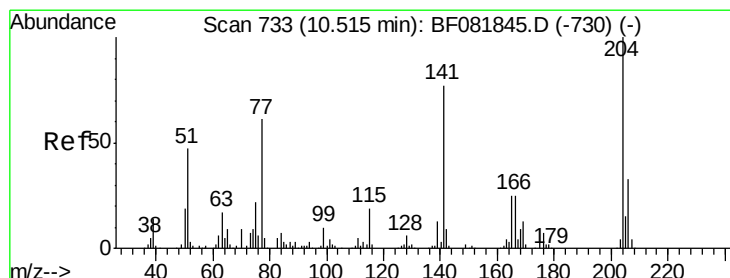
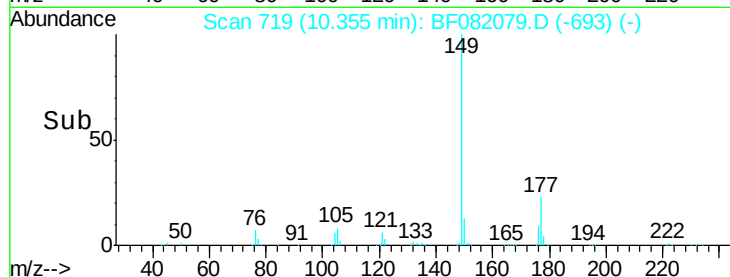
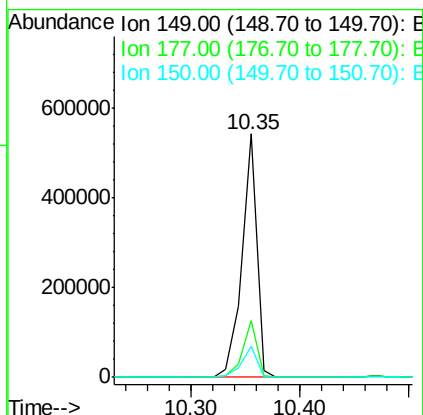
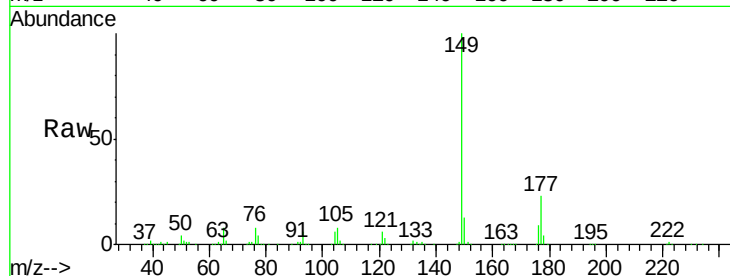




#59  
Diethylphthalate  
Concen: 48.05 ng  
RT: 10.35 min Scan# 719  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

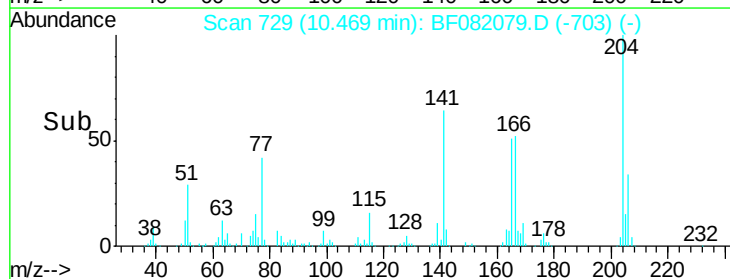
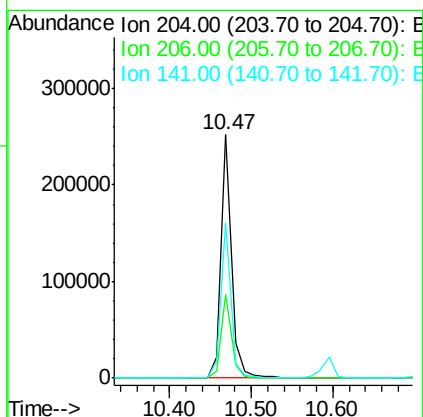
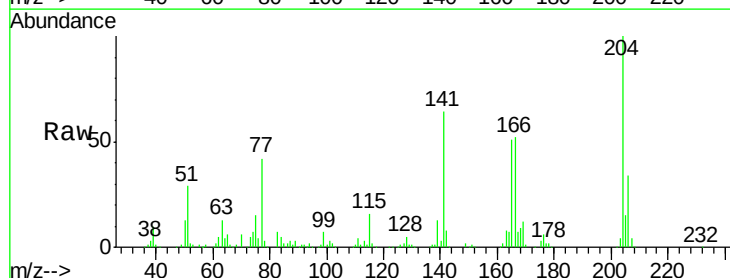
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

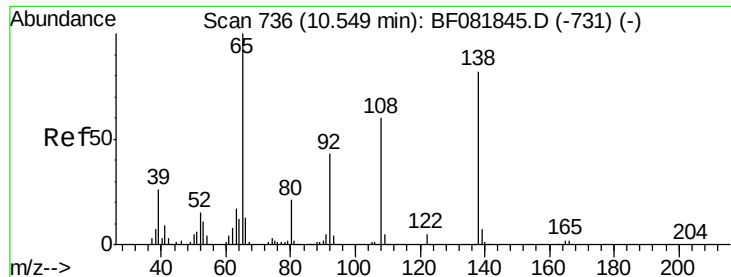
Tot Ion:149 Resp: 507923  
Ion Ratio Lower Upper  
149 100  
177 23.2 17.5 26.3  
150 12.7 9.4 14.2



#60  
4-Chlorophenyl-phenylether  
Concen: 45.69 ng  
RT: 10.47 min Scan# 729  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion:204 Resp: 223168  
Ion Ratio Lower Upper  
204 100  
206 34.2 24.8 37.2  
141 64.0 42.2 63.4#

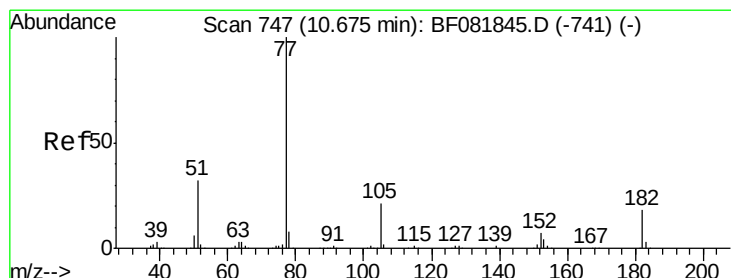
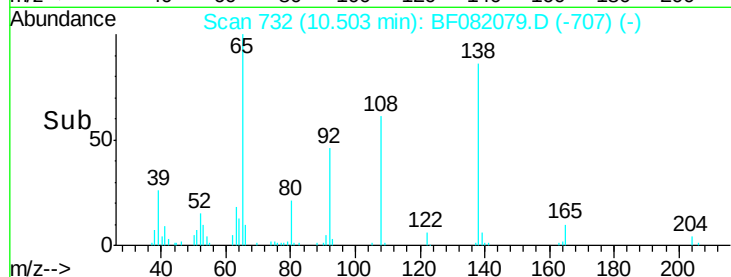
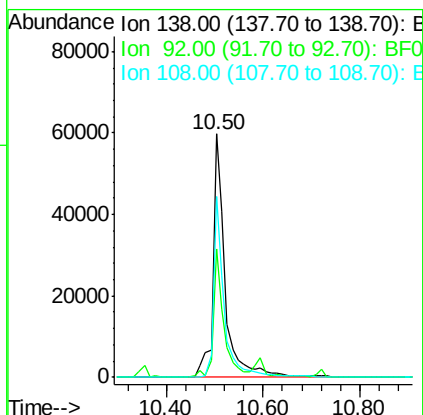
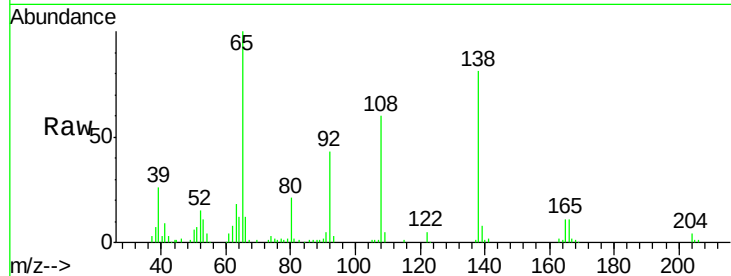




#61  
4-Nitroaniline  
Concen: 37.78 ng  
RT: 10.50 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

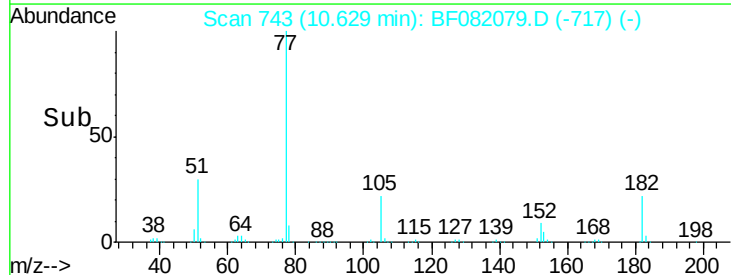
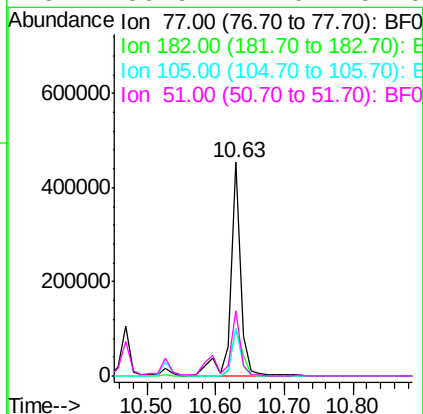
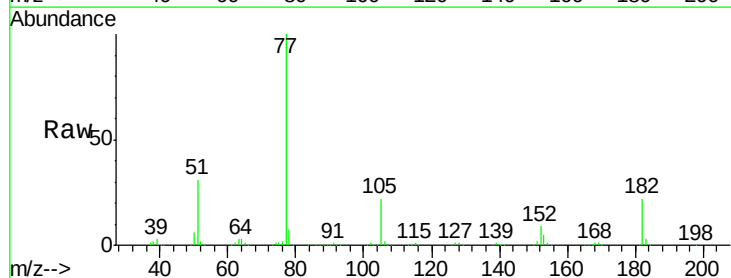
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

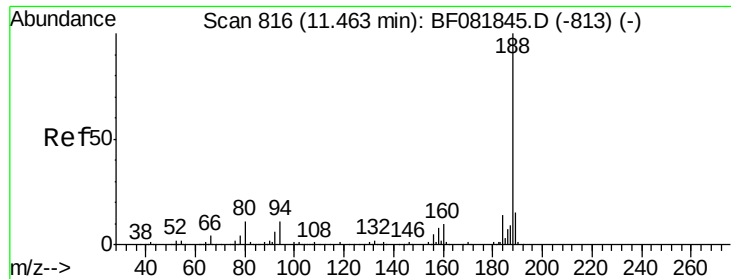
Tot Ion:138 Resp: 107688  
Ion Ratio Lower Upper  
138 100  
92 53.0 12.6 52.6#  
108 74.3 12.4 52.4#



#62  
Azobenzene  
Concen: 45.91 ng  
RT: 10.63 min Scan# 743  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion: 77 Resp: 473691  
Ion Ratio Lower Upper  
77 100  
182 22.3 15.1 55.1  
105 22.2 3.4 43.4  
51 30.5 12.0 52.0

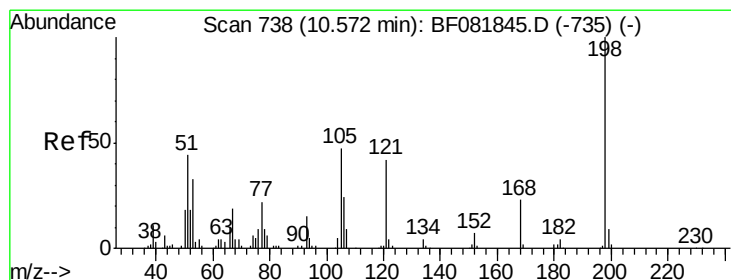
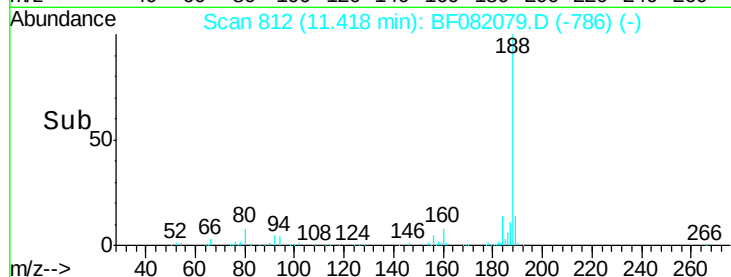
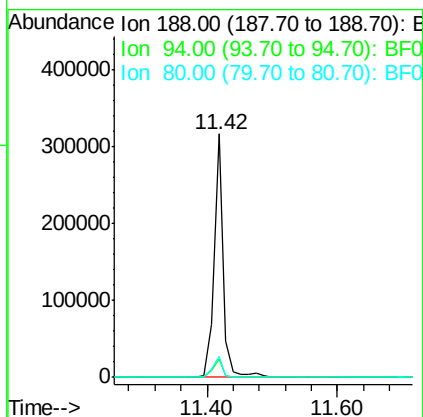
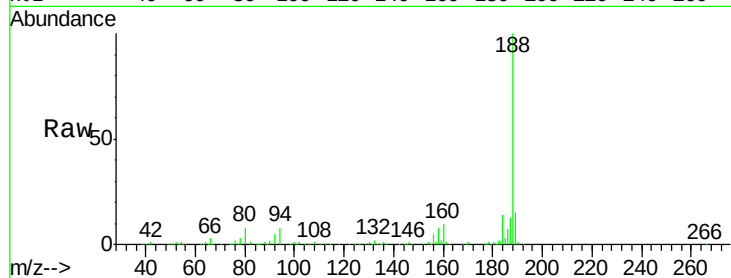




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.42 min Scan# 812  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

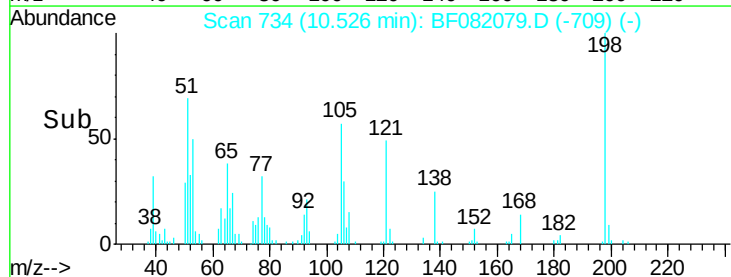
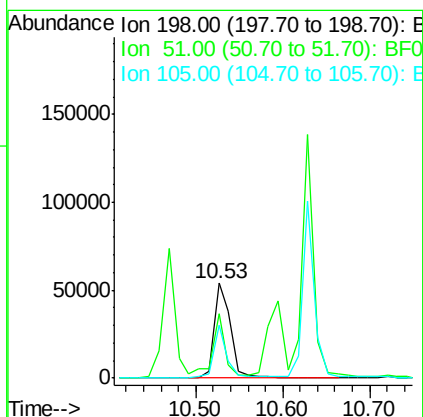
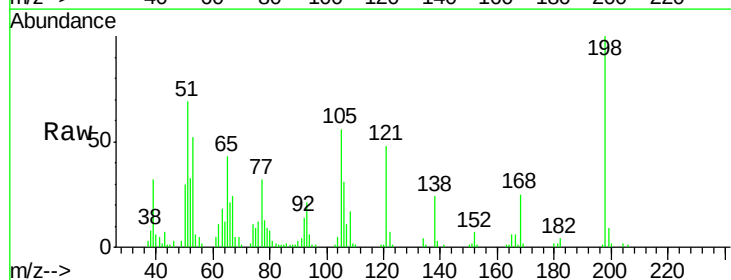
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

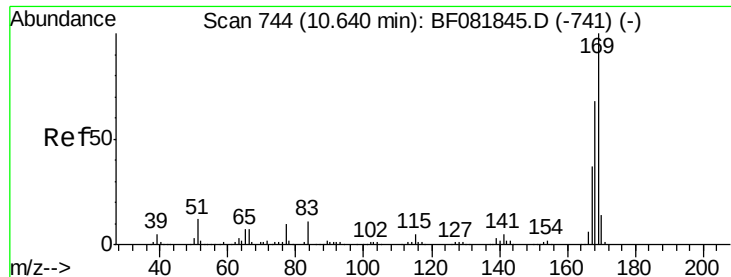
Tot Ion:188 Resp: 315800  
Ion Ratio Lower Upper  
188 100  
94 7.7 11.1 16.7#  
80 8.4 11.0 16.4#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 50.04 ng  
RT: 10.53 min Scan# 734  
Delta R.T. -0.01 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion:198 Resp: 72436  
Ion Ratio Lower Upper  
198 100  
51 68.5 39.6 79.6  
105 56.2 28.5 68.5





#65

n-Nitrosodiphenylamine

Concen: 44.55 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

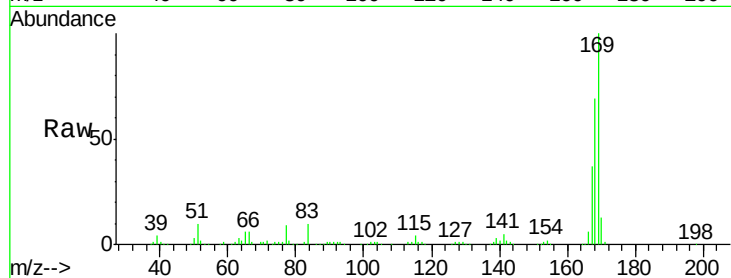
Tot Ion:169 Resp: 425630

Ion Ratio Lower Upper

169 100

168 68.8 48.9 73.3

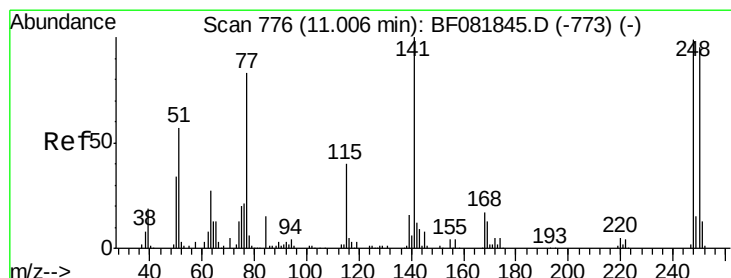
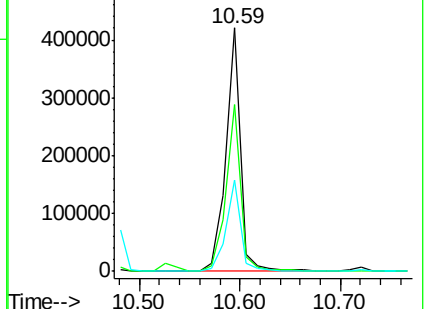
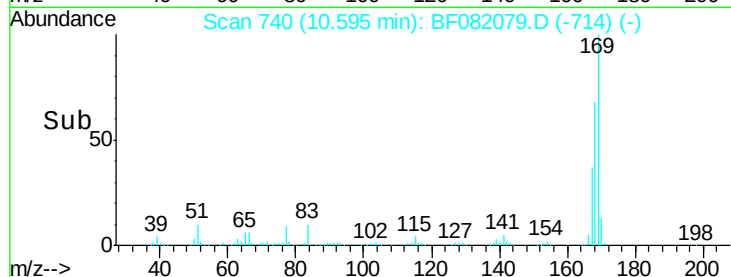
167 37.4 26.2 39.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.28 ng

RT: 10.96 min Scan# 772

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

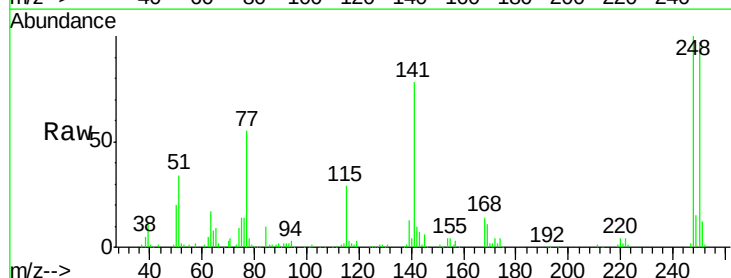
Tgt Ion:248 Resp: 144187

Ion Ratio Lower Upper

248 100

250 97.0 78.5 117.7

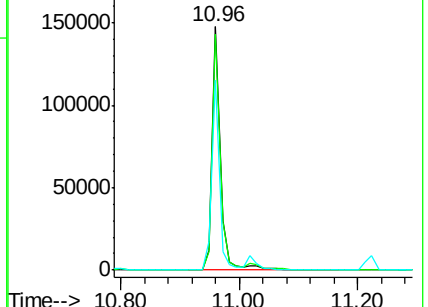
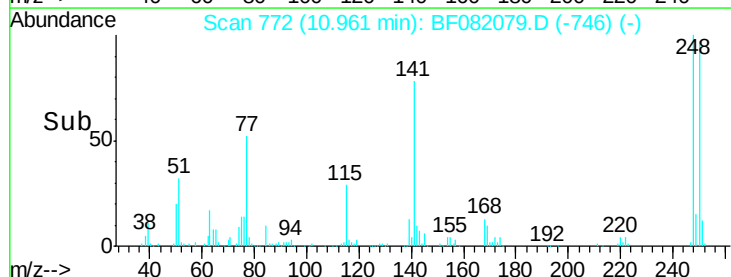
141 78.2 59.0 88.6

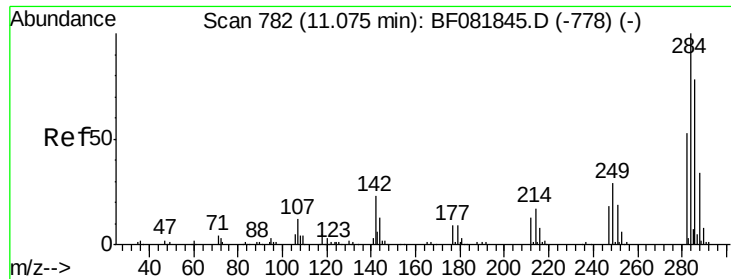


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

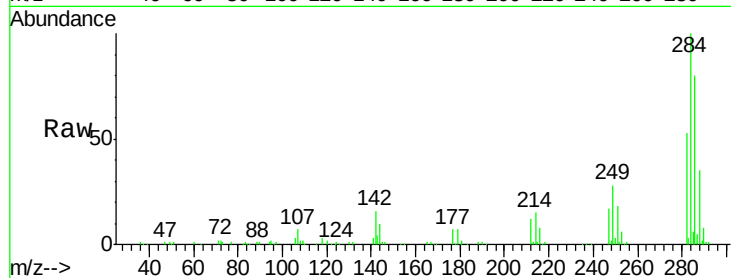




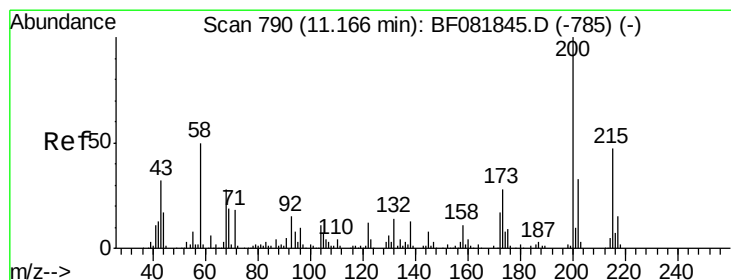
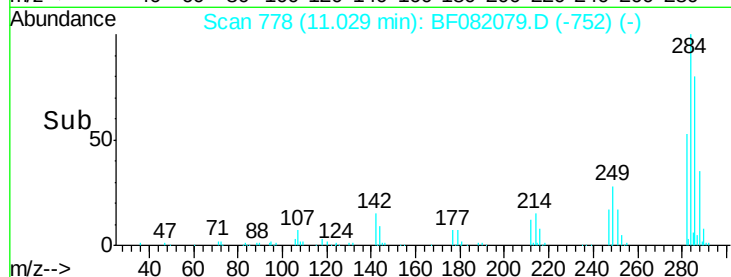
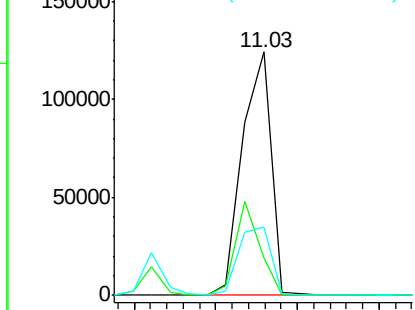
#67  
Hexachlorobenzene  
Concen: 42.12 ng  
RT: 11.03 min Scan# 778  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

Tot Ion:284 Resp: 151376  
Ion Ratio Lower Upper  
284 100  
142 15.7 29.5 44.3#  
249 28.2 19.5 29.3

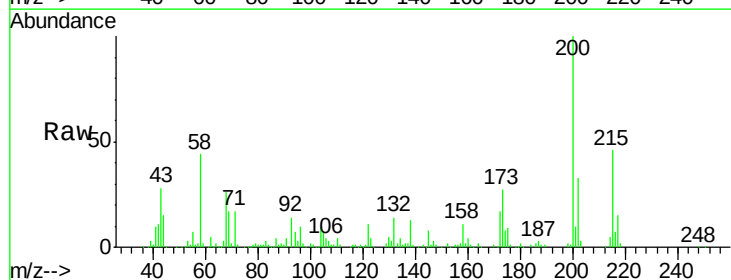


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

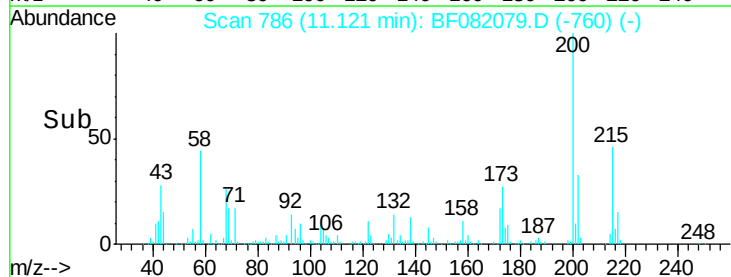
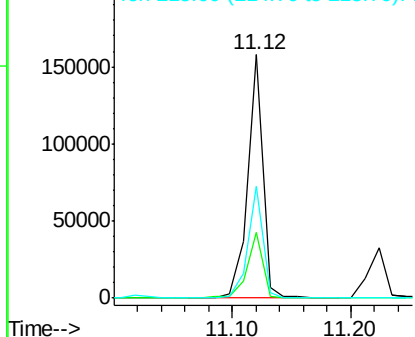


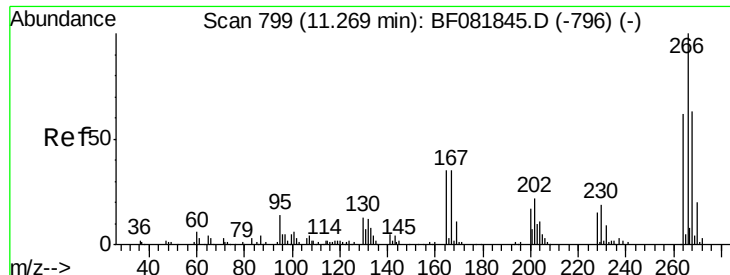
#68  
Atrazine  
Concen: 47.85 ng  
RT: 11.12 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Tgt Ion:200 Resp: 141847  
Ion Ratio Lower Upper  
200 100  
173 27.0 13.2 53.2  
215 46.1 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

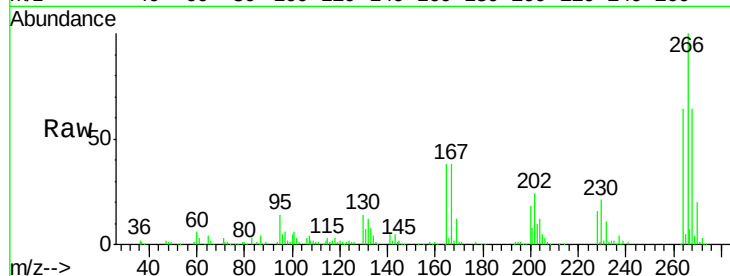




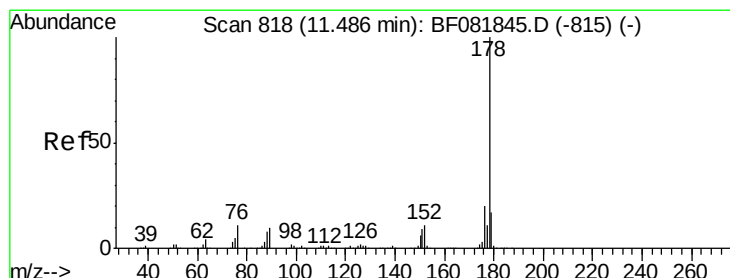
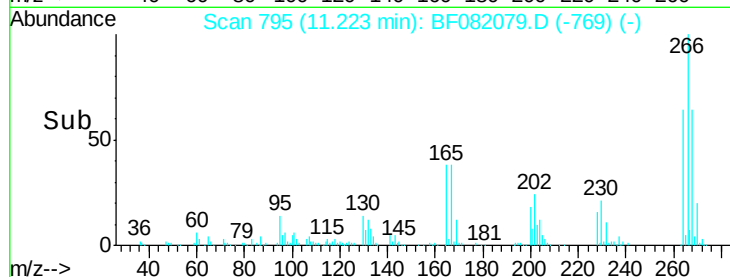
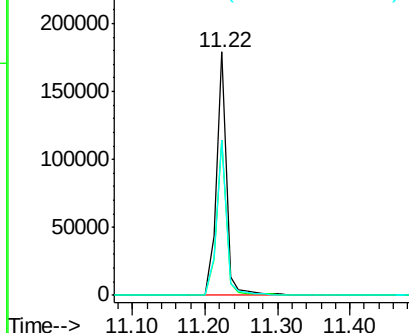
#69  
 Pentachlorophenol  
 Concen: 85.05 ng  
 RT: 11.22 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

Tot Ion:266 Resp: 174148  
 Ion Ratio Lower Upper  
 266 100  
 268 64.0 49.8 74.6  
 264 63.9 50.2 75.2

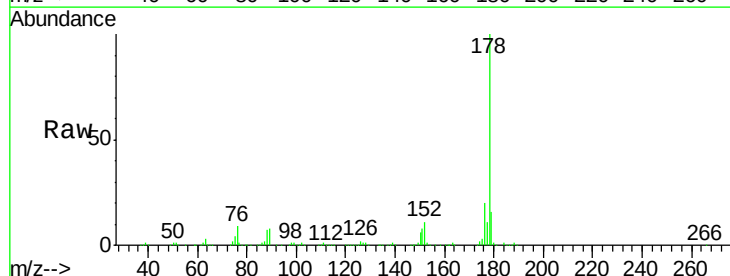


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

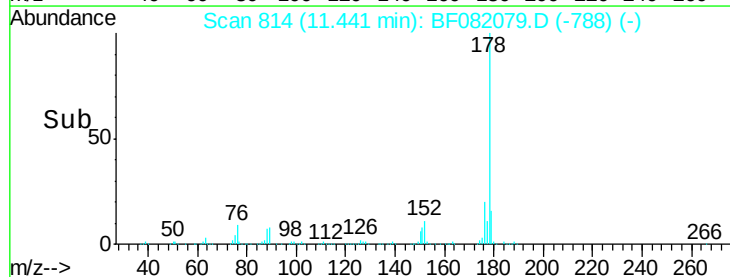
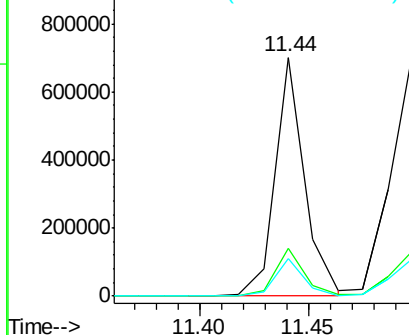


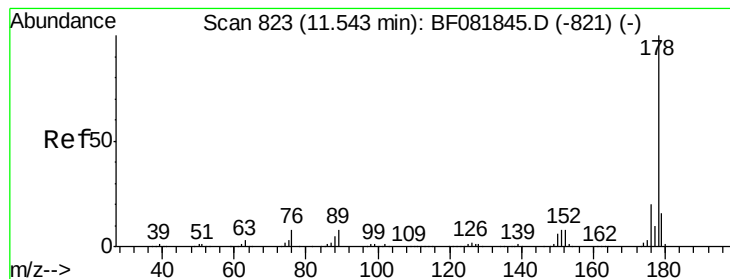
#70  
 Phenanthrene  
 Concen: 43.57 ng  
 RT: 11.44 min Scan# 814  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:178 Resp: 662929  
 Ion Ratio Lower Upper  
 178 100  
 176 20.0 13.8 20.8  
 179 15.9 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: 49.78 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

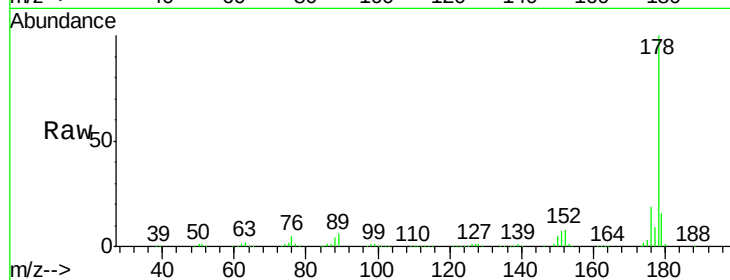
Tot Ion:178 Resp: 799003

Ion Ratio Lower Upper

178 100

176 18.7 14.1 21.1

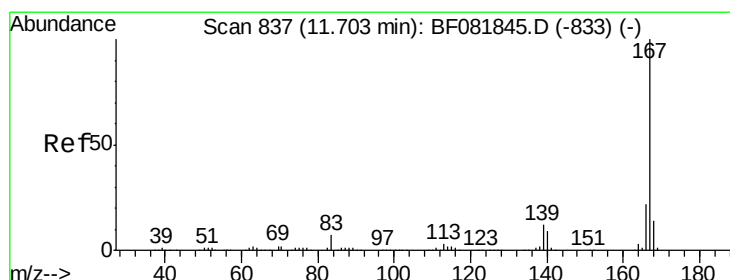
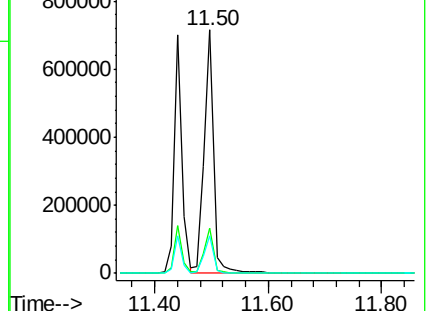
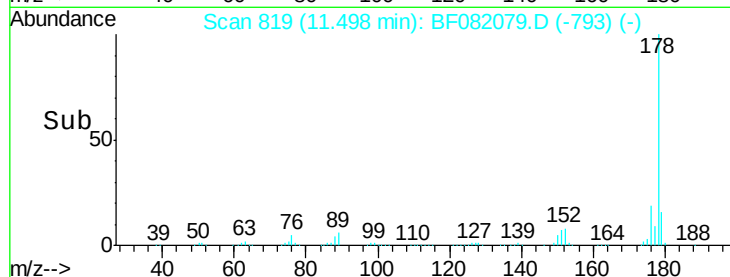
179 15.6 12.2 18.2



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



#72

Carbazole

Concen: 46.10 ng

RT: 11.66 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

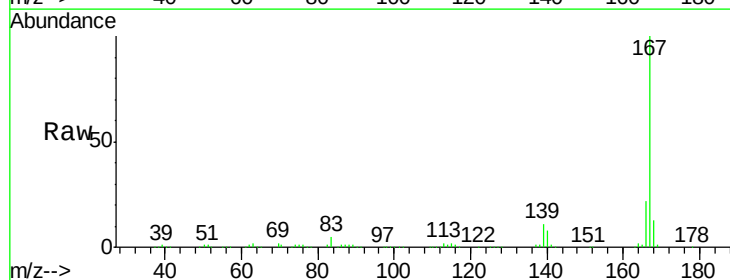
Tgt Ion:167 Resp: 669728

Ion Ratio Lower Upper

167 100

166 21.7 15.7 23.5

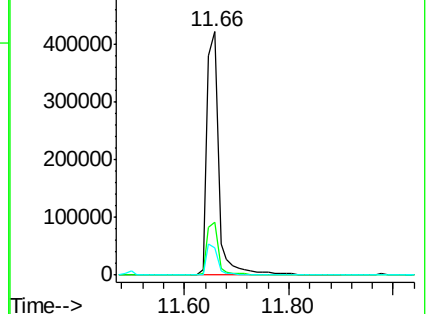
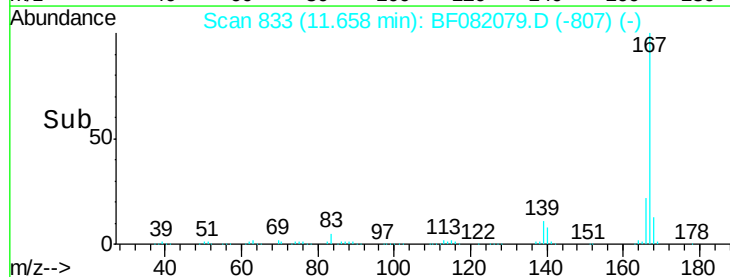
139 11.3 9.5 14.3



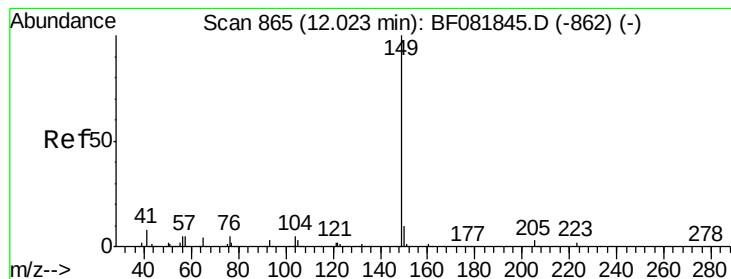
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 53.96 ng

RT: 11.98 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

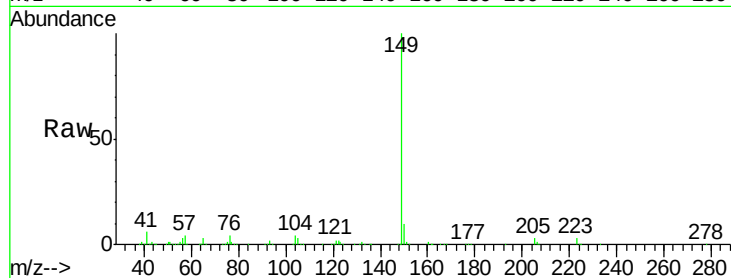
Tot Ion:149 Resp: 794499

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

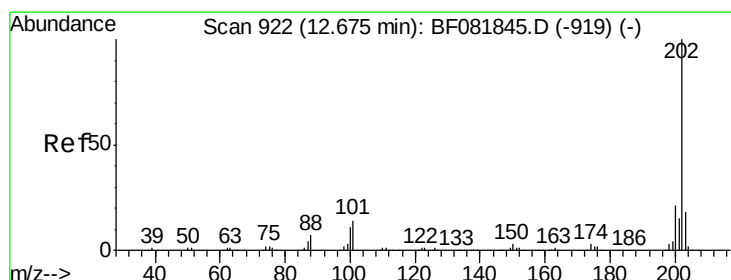
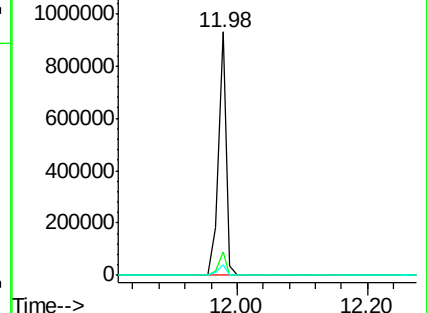
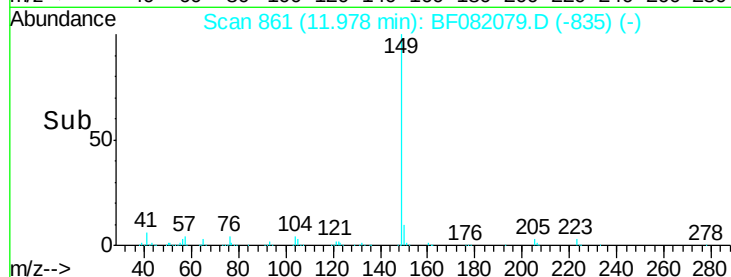
104 4.5 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.57 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

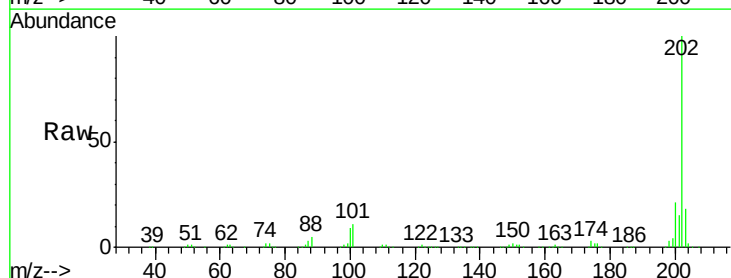
Tgt Ion:202 Resp: 737147

Ion Ratio Lower Upper

202 100

101 11.1 0.0 38.3

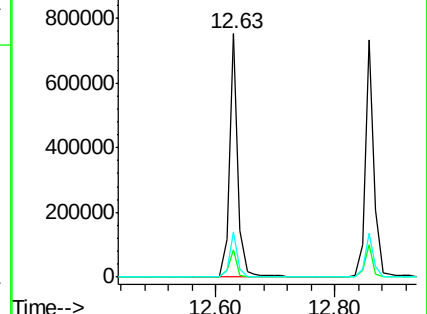
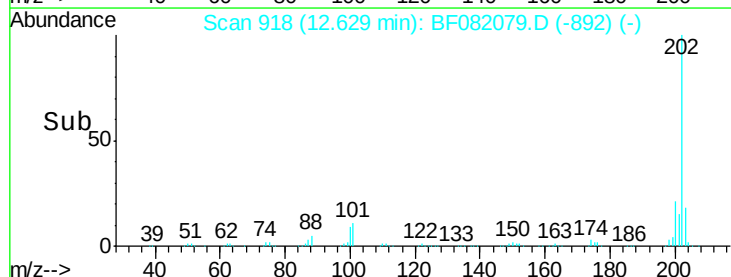
203 18.3 0.0 37.3

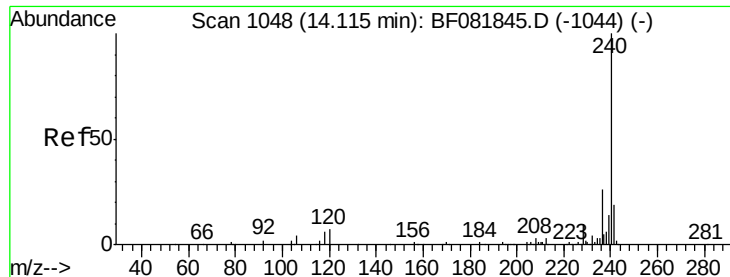


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

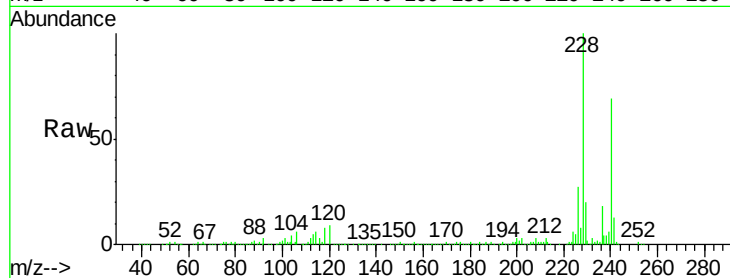
Tot Ion:240 Resp: 285699

Ion Ratio Lower Upper

240 100

120 13.0 16.2 24.2#

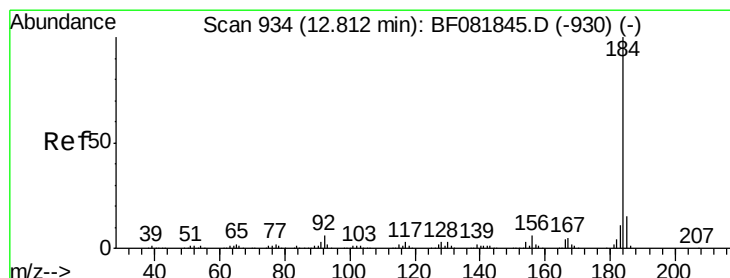
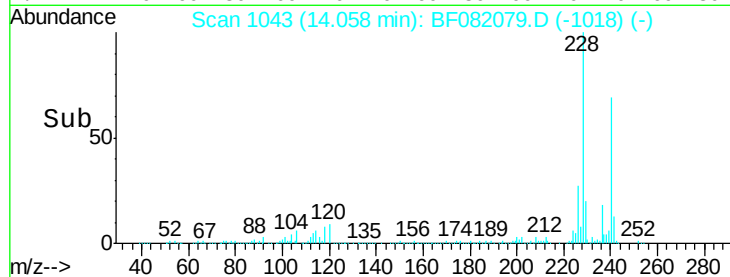
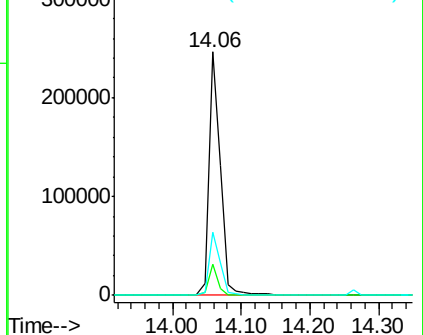
236 26.0 18.4 27.6



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: 19.45 ng

RT: 12.76 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

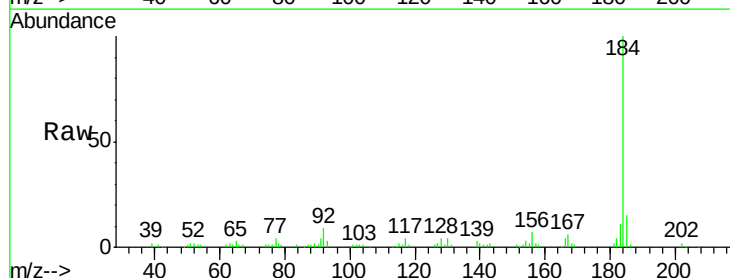
Tgt Ion:184 Resp: 167453

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.6

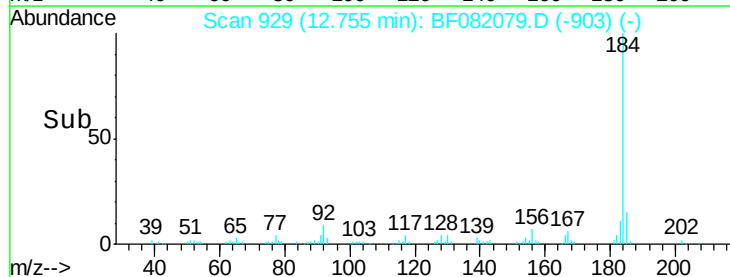
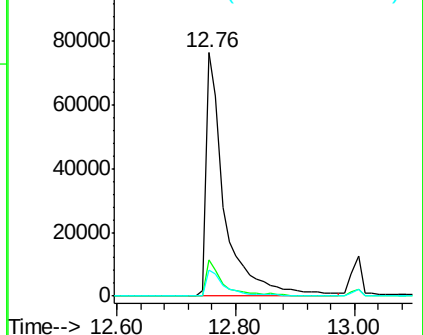
183 10.8 7.6 11.4

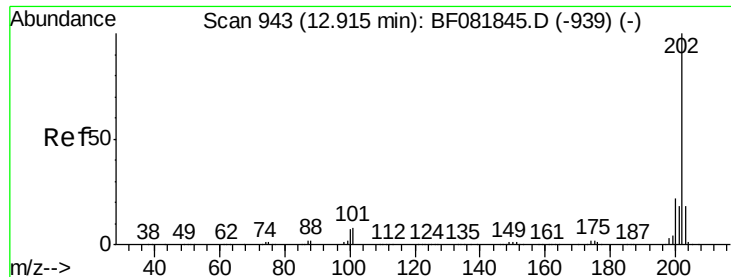


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

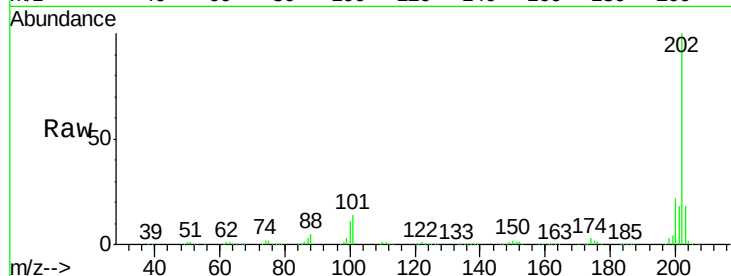




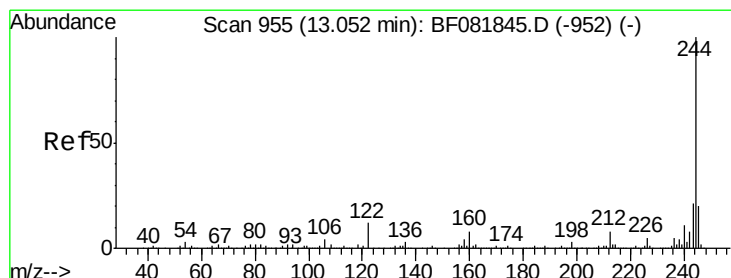
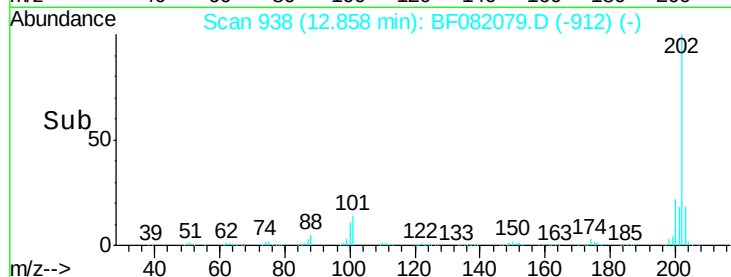
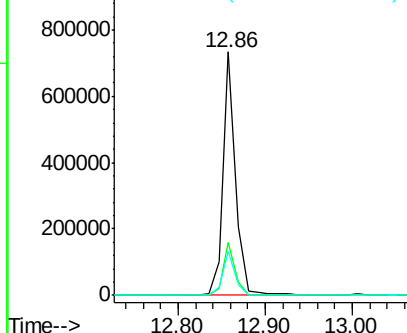
#77  
Pvrene  
Concen: 43.25 ng  
RT: 12.86 min Scan# 938  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.9  | 15.0  | 22.4  |
| 203     | 18.3  | 14.1  | 21.1  |

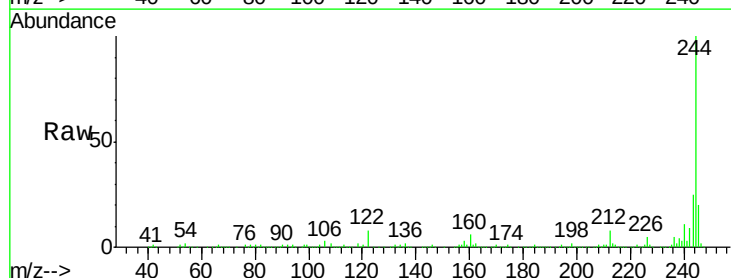


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

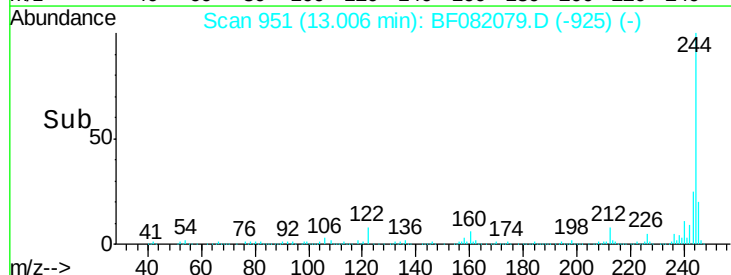
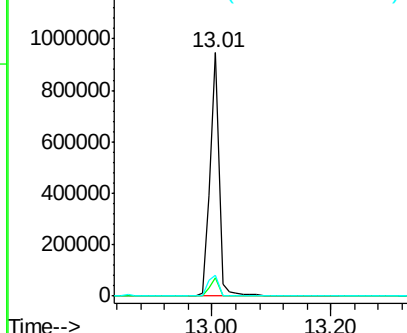


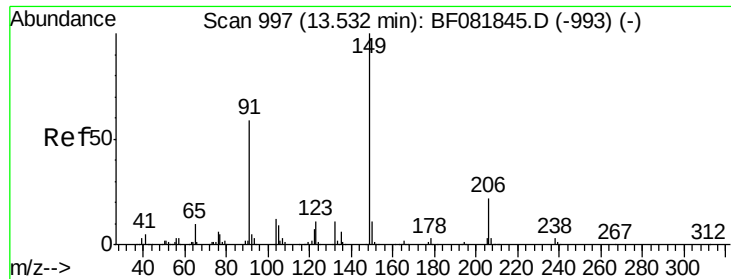
#78  
Terphenyl-d14  
Concen: 134.08 ng  
RT: 13.01 min Scan# 951  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 4.3   | 6.5#  |
| 122     | 8.4   | 17.4  | 26.2# |



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E

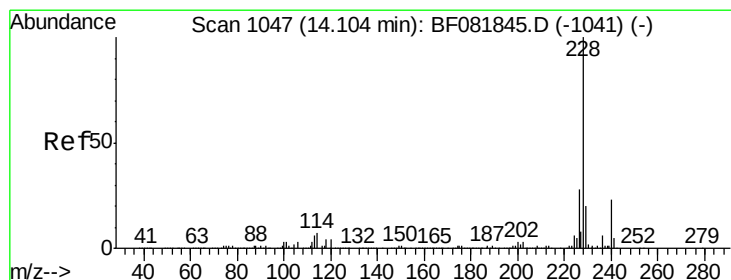
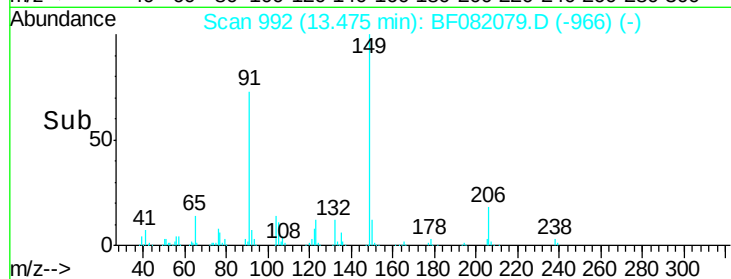
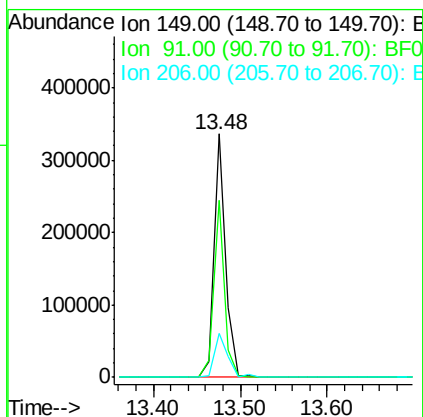
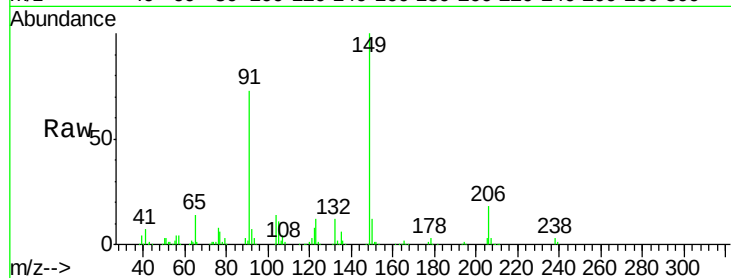




#79  
Butylbenzylphthalate  
Concen: 49.39 ng  
RT: 13.48 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

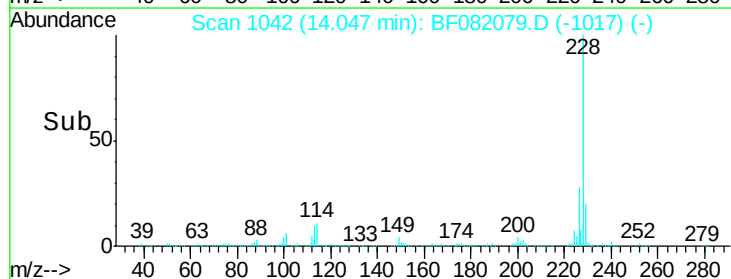
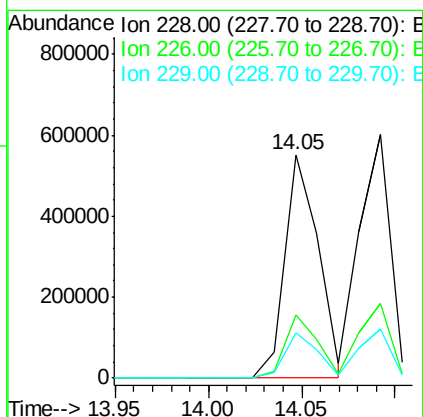
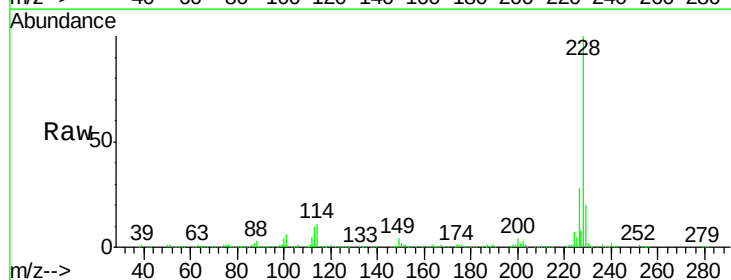
Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

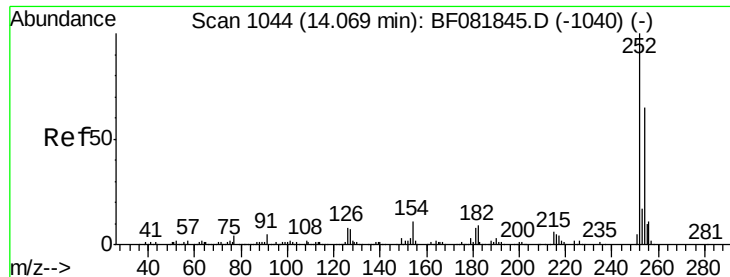
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 72.7  | 48.6  | 72.8  |
| 206     | 18.1  | 14.9  | 22.3  |



#80  
Benzo(a)anthracene  
Concen: 45.10 ng  
RT: 14.05 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 20.0  | 30.0  |
| 229     | 20.2  | 15.4  | 23.2  |

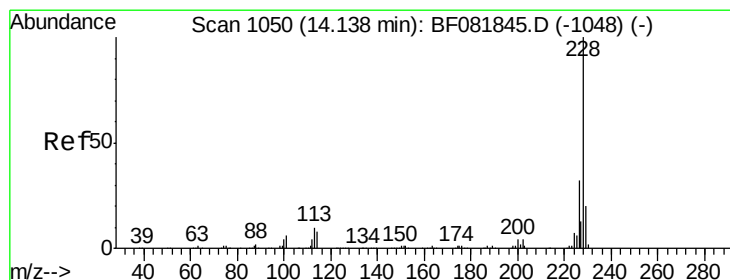
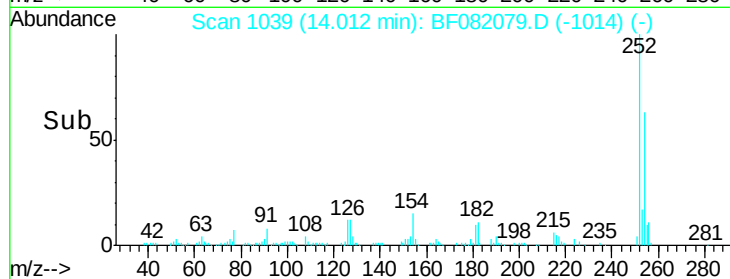
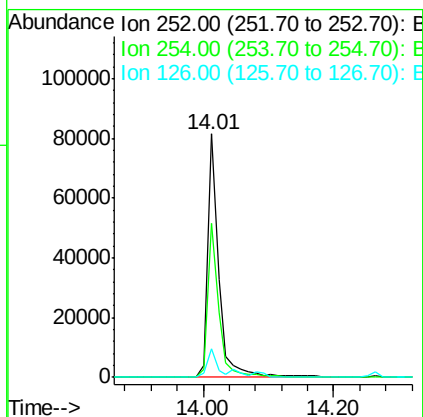
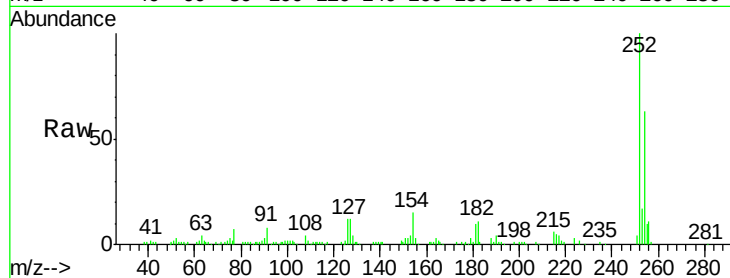




#81  
 3,3'-Dichlorobenzidine  
 Concen: 18.54 ng  
 RT: 14.01 min Scan# 1039  
 Delta R.T. -0.01 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

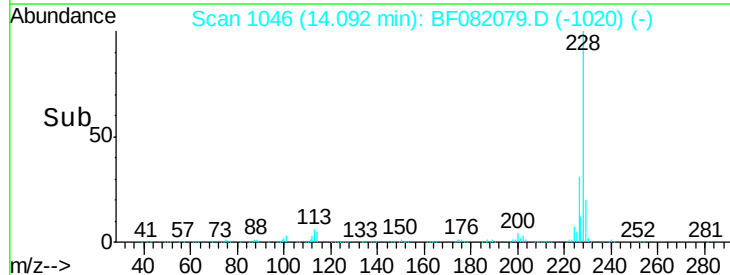
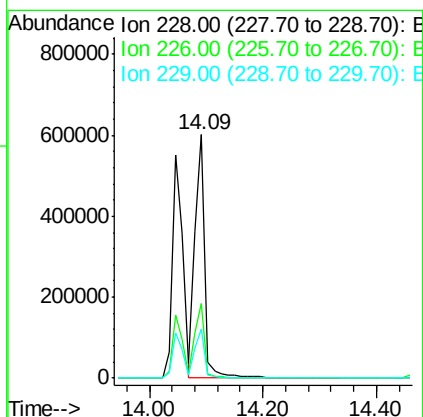
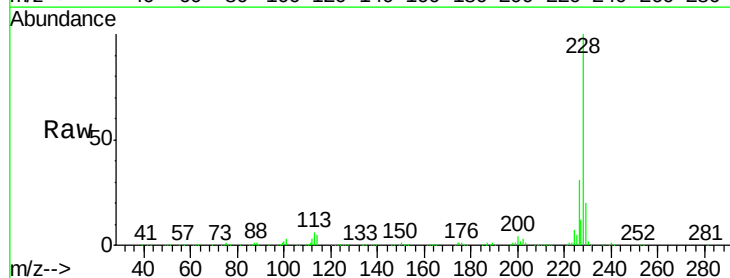
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

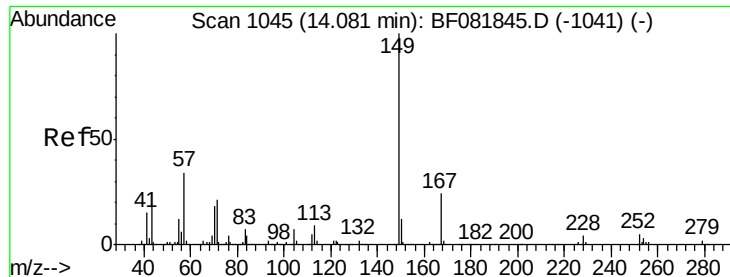
Tot Ion:252 Resp: 96336  
 Ion Ratio Lower Upper  
 252 100  
 254 63.0 51.4 77.2  
 126 11.7 16.4 24.6#



#82  
 Chrysene  
 Concen: Below Cal  
 RT: 14.09 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:228 Resp: 731124  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 21.0 31.4  
 229 19.9 15.6 23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 58.97 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

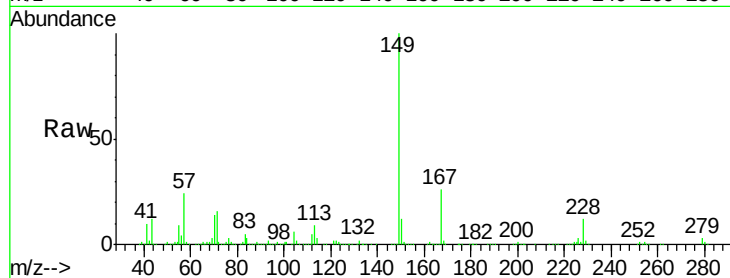
Tot Ion:149 Resp: 475076

Ion Ratio Lower Upper

149 100

167 26.5 24.2 36.2

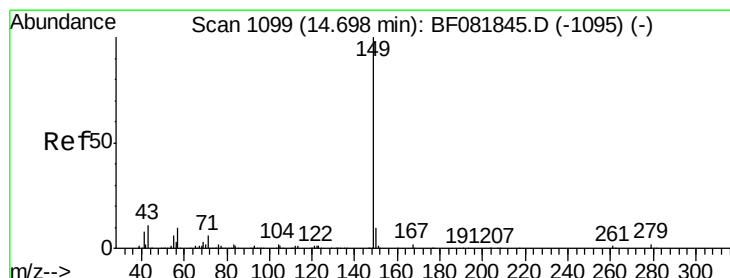
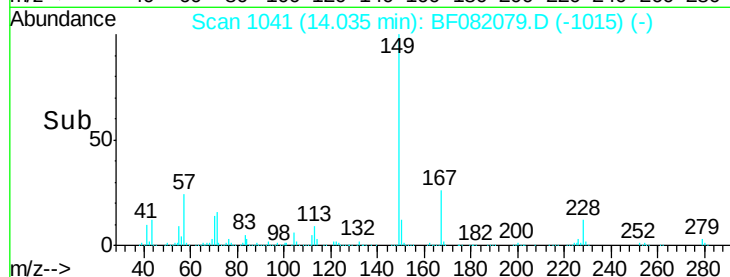
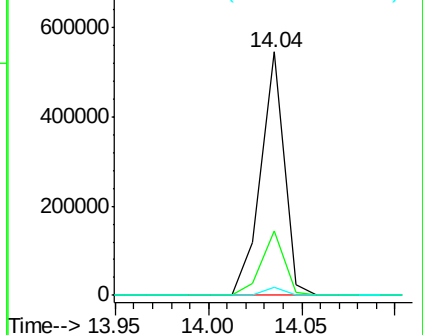
279 3.3 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 57.83 ng

RT: 14.65 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

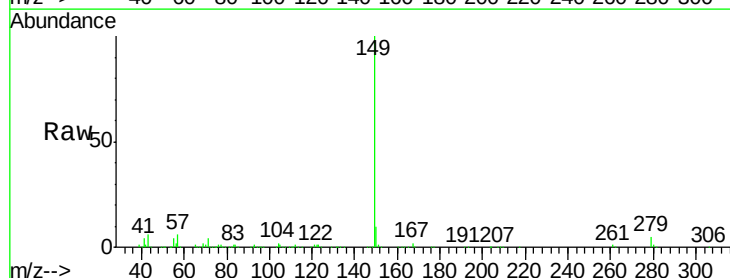
Tgt Ion:149 Resp: 758161

Ion Ratio Lower Upper

149 100

167 1.6 1.0 1.6#

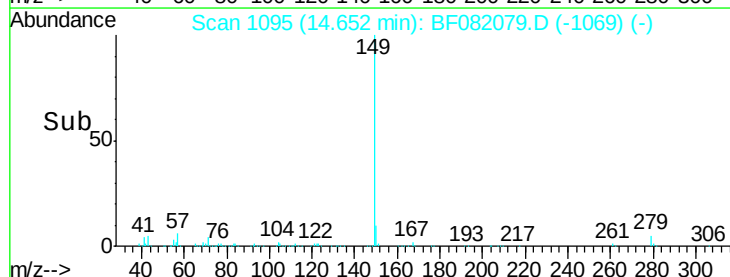
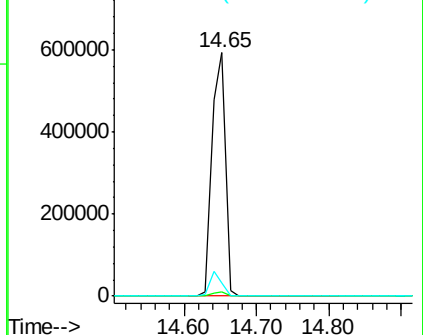
43 8.5 10.2 15.2#

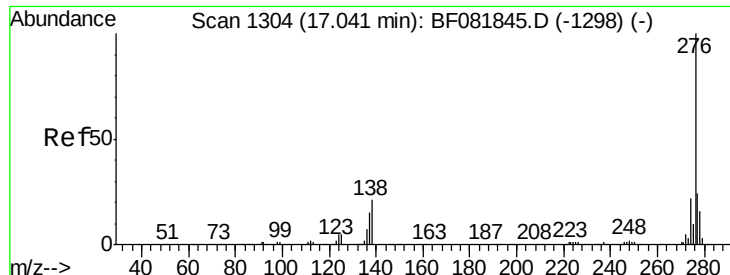


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

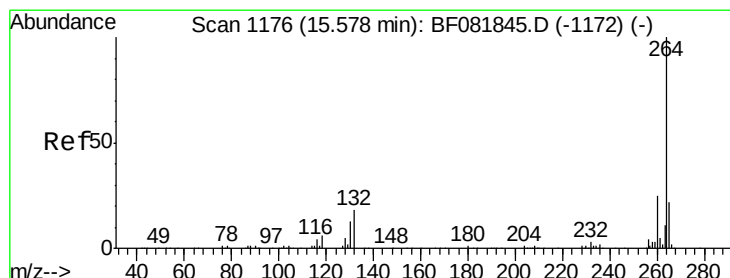
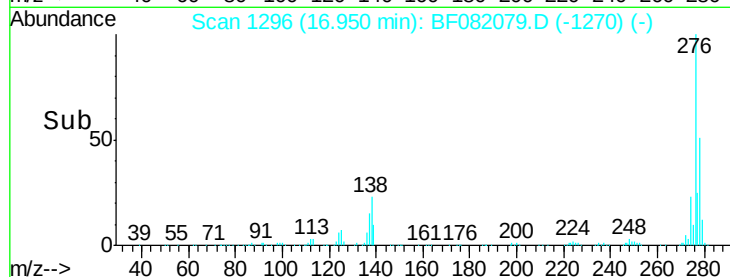
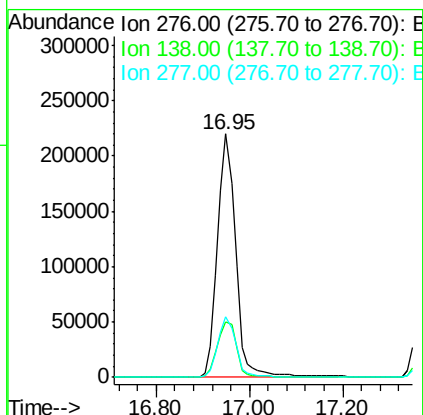
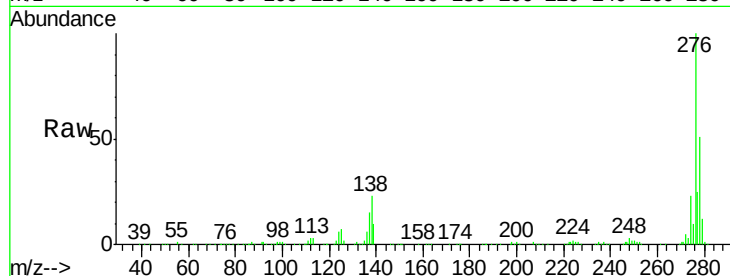




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 49.85 ng  
 RT: 16.95 min Scan# 1296  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

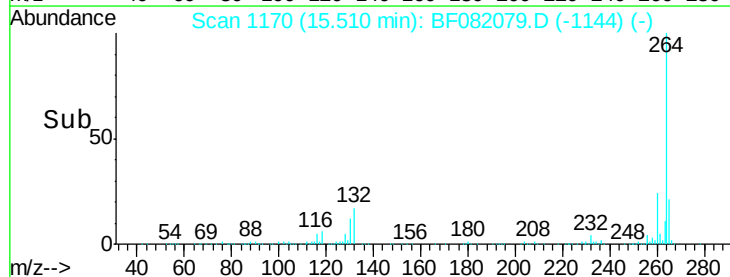
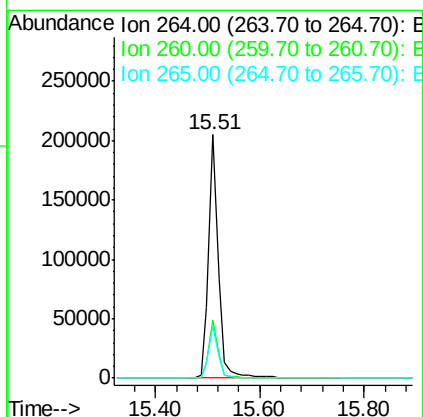
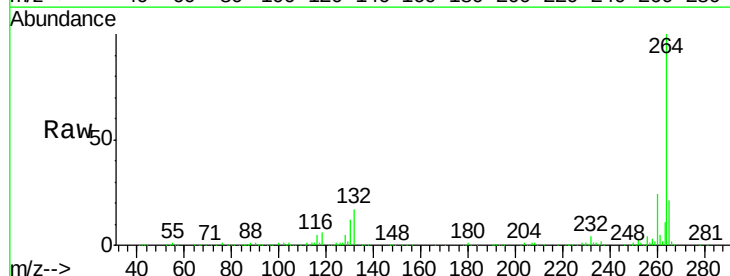
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85739BS

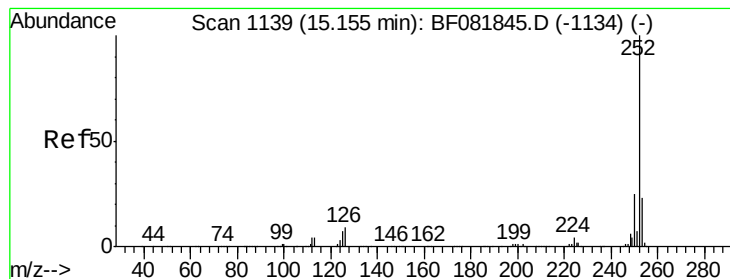
Tot Ion:276 Resp: 599971  
 Ion Ratio Lower Upper  
 276 100  
 138 24.5 25.7 38.5#  
 277 25.2 15.6 23.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.51 min Scan# 1170  
 Delta R.T. -0.00 min  
 Lab File: BF082079.D  
 Acq: 6 Oct 2015 12:34

Tgt Ion:264 Resp: 266717  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 16.7 25.1  
 265 21.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 87.46 ng

RT: 15.12 min Scan# 1136

Delta R.T. 0.02 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

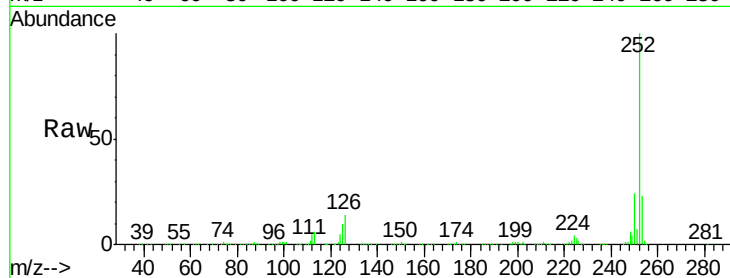
Tot Ion:252 Resp: 1331800

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

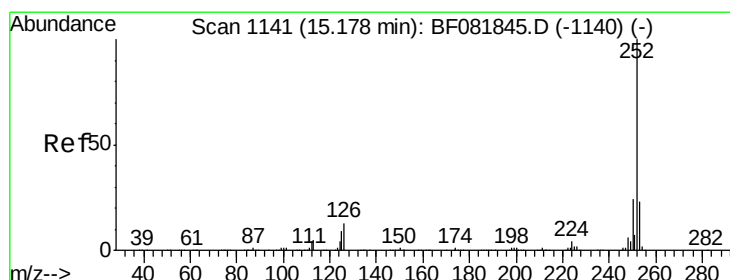
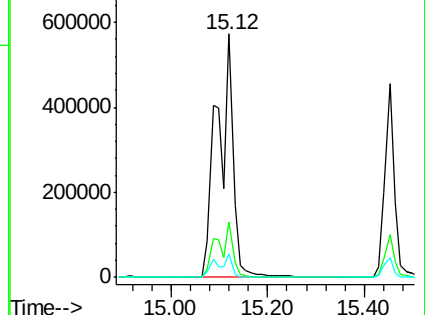
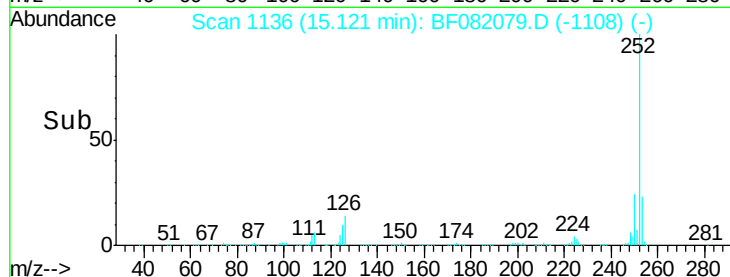
125 9.6 17.1 25.7#



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



#88

Benzo(k)fluoranthene

Concen: 95.50 ng

RT: 15.12 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

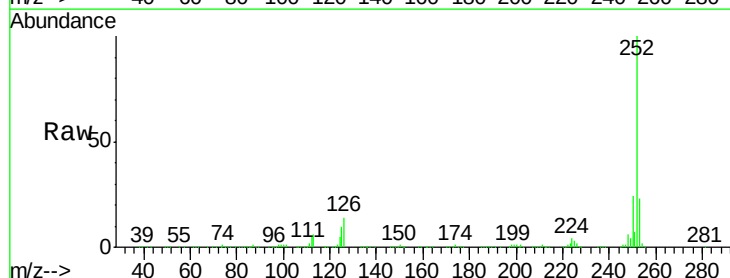
Tgt Ion:252 Resp: 1332921

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

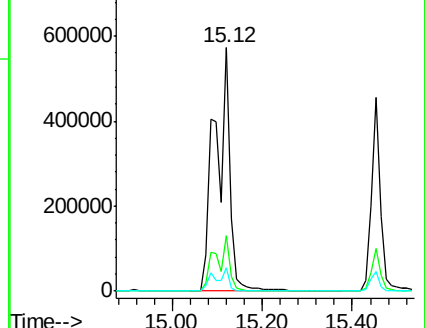
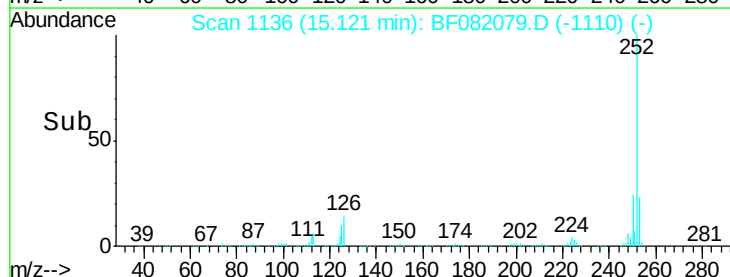
125 9.6 16.0 24.0#



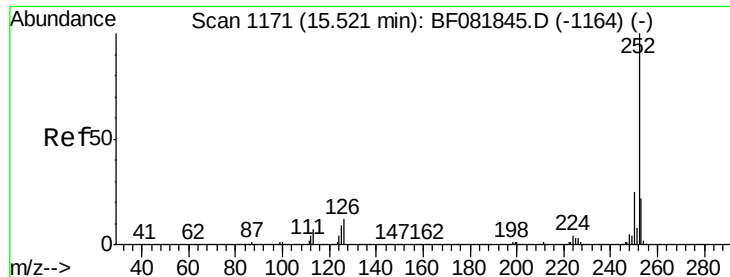
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



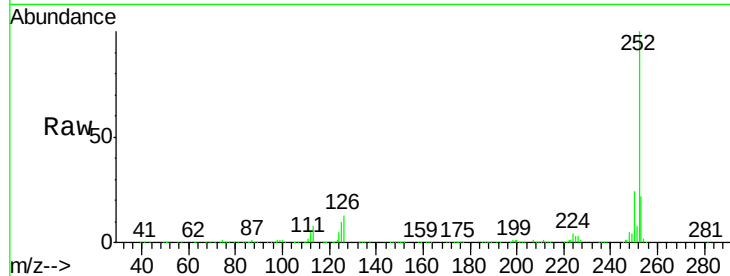




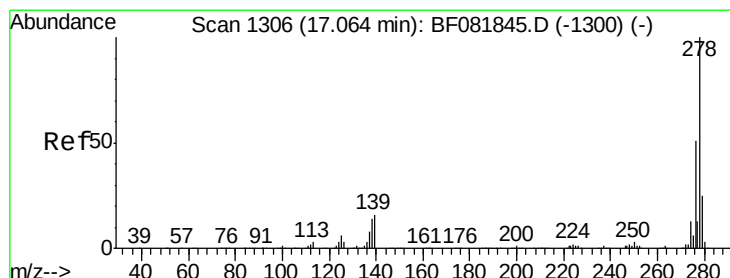
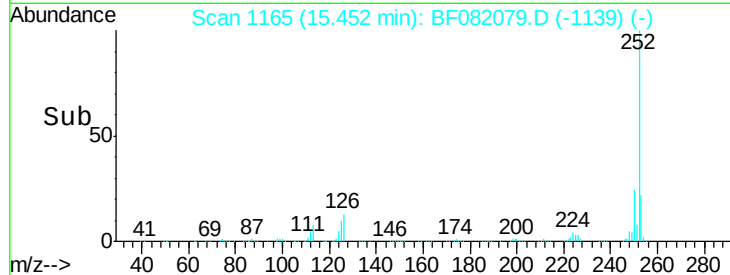
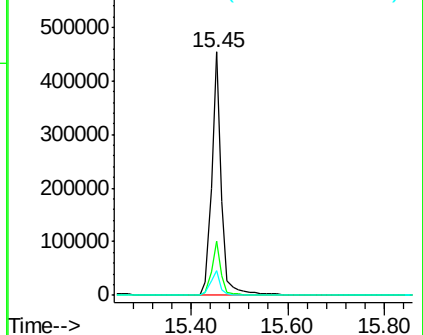
#89  
Benzo(a)pyrene  
Concen: 48.10 ng  
RT: 15.45 min Scan# 1165  
Delta R.T. -0.00 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB85739BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.2  | 25.8  |
| 125     | 10.2  | 18.0  | 27.0# |

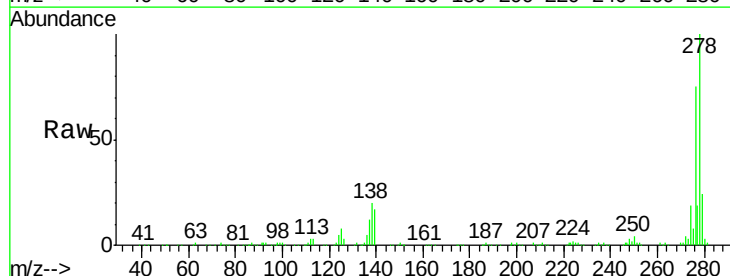


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

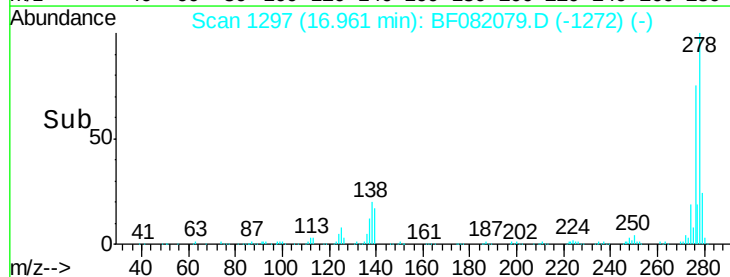
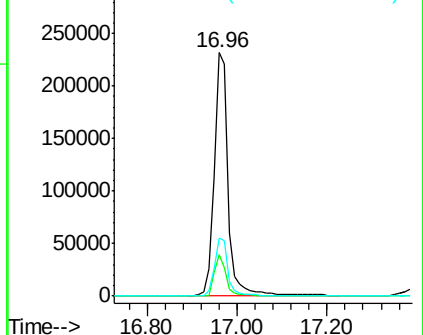


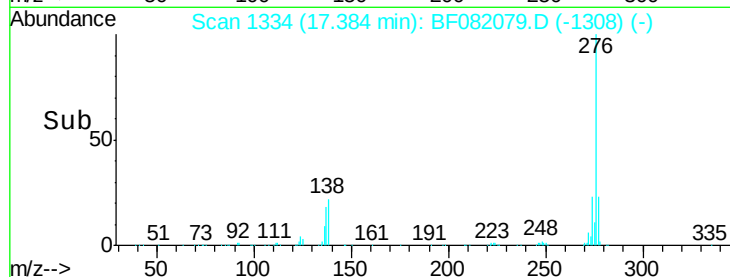
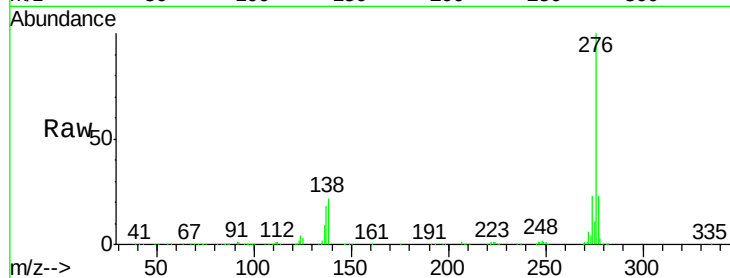
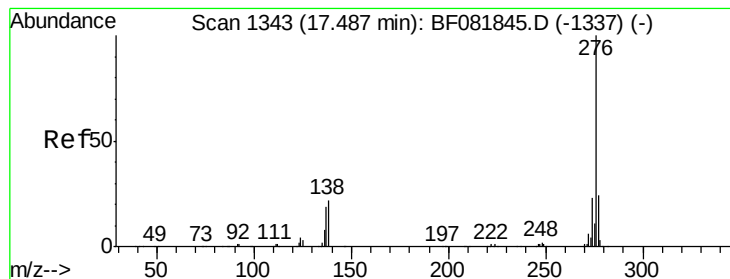
#90  
Dibenzo(a,h)anthracene  
Concen: 45.16 ng  
RT: 16.96 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF082079.D  
Acq: 6 Oct 2015 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.2  | 26.3  | 39.5# |
| 279     | 24.1  | 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: 42.55 ng

RT: 17.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF082079.D

Acq: 6 Oct 2015 12:34

Instrument :

BNA\_F

ClientSampleId :

PB85739BS

Tot Ion:276 Resp: 483251

Ion Ratio Lower Upper

276 100

277 23.4 17.8 26.6

138 22.0 34.6 51.8#

