

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\  
 Data File : BF083484.D  
 Acq On : 4 Dec 2015 3:27  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 04 03:56:25 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 01 01:17:16 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.53  | 152  | 177894m  | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.82  | 136  | 665913   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.56  | 164  | 293998   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.09 | 188  | 484517   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 14.72 | 240  | 391796   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 16.77 | 264  | 323128   | 20.00 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.12  | 112  | 961257   | 81.08 | ng    | -0.01    |
| 7) Phenol-d6                | 6.21  | 99   | 1247765  | 76.90 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.12  | 82   | 1152328  | 76.07 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.35 | 330  | 183679   | 62.24 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 8.90  | 172  | 1560304  | 75.63 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.19 | 244  | 1219418  | 74.23 | ng    | -0.03    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 1.93 | 88   | 221035   | 34.43 | ng    | 99     |
| 3) Pyridine                    | 2.53 | 79   | 677530   | 42.19 | ng    | 98     |
| 4) n-Nitrosodimethylamine      | 2.50 | 42   | 311331   | 39.39 | ng    | 96     |
| 6) Aniline                     | 6.20 | 93   | 852913   | 38.42 | ng    | 95     |
| 8) 2-Chlorophenol              | 6.33 | 128  | 498873   | 38.15 | ng    | 88     |
| 9) Benzaldehyde                | 6.06 | 77   | 326529m  | 42.39 | ng    |        |
| 10) Phenol                     | 6.22 | 94   | 771632   | 39.52 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.28 | 93   | 550005   | 38.73 | ng    | 91     |
| 12) 1,3-Dichlorobenzene        | 6.46 | 146  | 544703m  | 37.47 | ng    |        |
| 13) 1,4-Dichlorobenzene        | 6.54 | 146  | 555308m  | 36.96 | ng    |        |
| 14) 1,2-Dichlorobenzene        | 6.70 | 146  | 530745   | 38.50 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.69 | 79   | 452746   | 36.10 | ng    | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.83 | 45   | 916811   | 36.79 | ng    | 55     |
| 17) 2-Methylphenol             | 6.83 | 107  | 422210   | 38.73 | ng    | 96     |
| 18) Hexachloroethane           | 7.05 | 117  | 162468   | 31.14 | ng    | # 73   |
| 19) n-Nitroso-di-n-propylamine | 6.97 | 70   | 409234   | 35.28 | ng    | 88     |
| 20) 3+4-Methylphenols          | 6.99 | 107  | 555735   | 37.64 | ng    | 98     |
| 22) Acetophenone               | 6.96 | 105  | 742592   | 37.27 | ng    | # 94   |
| 24) Nitrobenzene               | 7.13 | 77   | 592595   | 36.63 | ng    | # 87   |
| 25) Isophorone                 | 7.38 | 82   | 1071047  | 36.50 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.45 | 139  | 233562   | 35.37 | ng    | # 82   |
| 27) 2,4-Dimethylphenol         | 7.52 | 122  | 429830   | 38.83 | ng    | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.60 | 93   | 661661   | 39.60 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.70 | 162  | 398776   | 37.46 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.77 | 180  | 429809   | 37.09 | ng    | 97     |
| 31) Naphthalene                | 7.85 | 128  | 1407580  | 38.96 | ng    | 99     |
| 32) Benzoic acid               | 7.66 | 122  | 196592   | 25.75 | ng    | 97     |
| 33) 4-Chloroaniline            | 7.90 | 127  | 541794   | 34.79 | ng    | # 89   |
| 34) Hexachlorobutadiene        | 7.97 | 225  | 261399   | 39.73 | ng    | 98     |
| 35) Caprolactam                | 8.29 | 113  | 114273   | 33.97 | ng    | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.41 | 107  | 410253   | 34.36 | ng    | # 81   |
| 37) 2-Methylnaphthalene        | 8.53 | 142  | 856013   | 35.45 | ng    | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.70 | 216  | 402296   | 43.17 | ng    | 98     |
| 42) 2,4,6-Trichlorophenol      | 8.83 | 196  | 262598   | 40.17 | ng    | 99     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

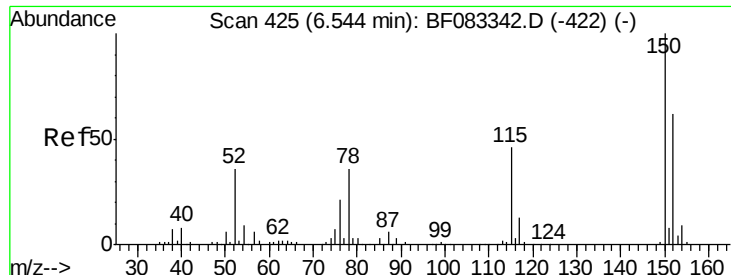
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 04 03:56:25 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 8.88  | 196  | 257726   | 38.05 | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 9.00  | 154  | 1073541  | 41.64 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.02  | 162  | 765247   | 38.95 | nq    | # 91     |
| 47) 2-Nitroaniline             | 9.13  | 65   | 331931   | 42.66 | nq    | 85       |
| 48) Acenaphthylene             | 9.42  | 152  | 1161452  | 37.06 | nq    | 100      |
| 49) Dimethylphthalate          | 9.31  | 163  | 904684   | 37.86 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.37  | 165  | 174651   | 34.23 | nq    | 85       |
| 51) Acenaphthene               | 9.60  | 154  | 655453   | 35.56 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.54  | 138  | 239670   | 40.08 | nq    | 98       |
| 53) 2,4-Dinitrophenol          | 9.66  | 184  | 7637     | 4.23  | nq    | 90       |
| 54) Dibenzofuran               | 9.77  | 168  | 961362   | 35.59 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.73  | 139  | 139597m  | 37.32 | nq    |          |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165  | 211163   | 32.62 | nq    | # 77     |
| 57) Fluorene                   | 10.11 | 166  | 791391   | 37.10 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.90  | 232  | 184209   | 33.71 | nq    | 99       |
| 59) Diethylphthalate           | 10.01 | 149  | 948691   | 41.66 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.11 | 204  | 374919   | 38.25 | nq    | 97       |
| 61) 4-Nitroaniline             | 10.14 | 138  | 221840   | 37.07 | nq    | 92       |
| 62) Azobenzene                 | 10.27 | 77   | 985690   | 35.83 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.18 | 198  | 17497    | 5.38  | nq    | # 71     |
| 65) n-Nitrosodiphenylamine     | 10.24 | 169  | 736659   | 43.27 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 217055   | 40.95 | nq    | # 80     |
| 67) Hexachlorobenzene          | 10.67 | 284  | 223324   | 38.11 | nq    | # 70     |
| 68) Atrazine                   | 10.80 | 200  | 179672   | 38.15 | nq    | 98       |
| 69) Pentachlorophenol          | 10.90 | 266  | 106725   | 34.77 | nq    | 98       |
| 70) Phenanthrene               | 11.13 | 178  | 1080723  | 37.69 | nq    | 99       |
| 71) Anthracene                 | 11.18 | 178  | 1050533  | 36.39 | nq    | 100      |
| 72) Carbazole                  | 11.38 | 167  | 939673   | 36.23 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 1336051  | 43.47 | nq    | 99       |
| 74) Fluoranthene               | 12.63 | 202  | 986667   | 33.20 | nq    | 98       |
| 76) Benzidine                  | 12.83 | 184  | 549285   | 47.07 | nq    | 99       |
| 77) Pyrene                     | 12.93 | 202  | 994891   | 36.36 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.93 | 149  | 479476   | 41.31 | nq    | # 81     |
| 80) Benzo(a)anthracene         | 14.71 | 228  | 921725   | 38.40 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.69 | 252  | 331757   | 44.25 | nq    | # 97     |
| 82) Chrysene                   | 14.75 | 228  | 882253   | 38.04 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.83 | 149  | 671393   | 43.12 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 15.79 | 149  | 1138373  | 49.10 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 18.16 | 276  | 649006   | 38.42 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 16.27 | 252  | 763785m  | 36.84 | nq    |          |
| 88) Benzo(k)fluoranthene       | 16.31 | 252  | 768739   | 39.27 | nq    | 98       |
| 89) Benzo(a)pyrene             | 16.71 | 252  | 688833   | 38.68 | nq    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 18.18 | 278  | 560685   | 36.13 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 18.52 | 276  | 498736   | 32.75 | nq    | # 95     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

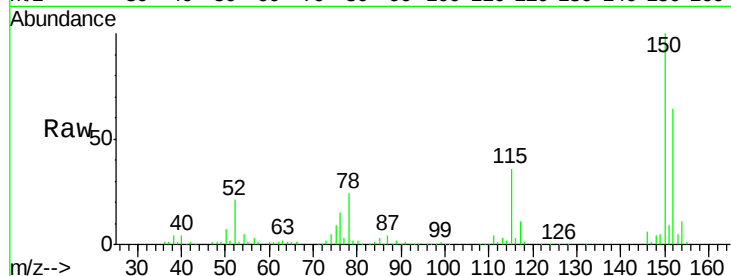
Tot Ion:152 Resp: 177894

Ion Ratio Lower Upper

152 100

150 157.2 129.8 194.8

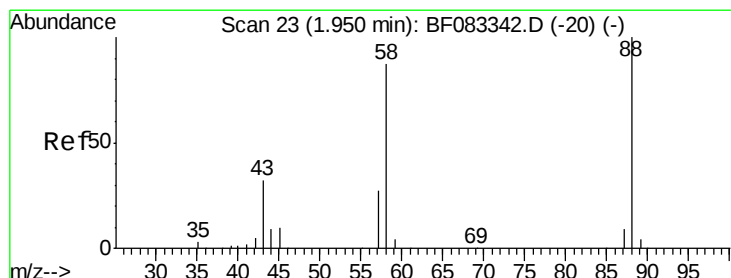
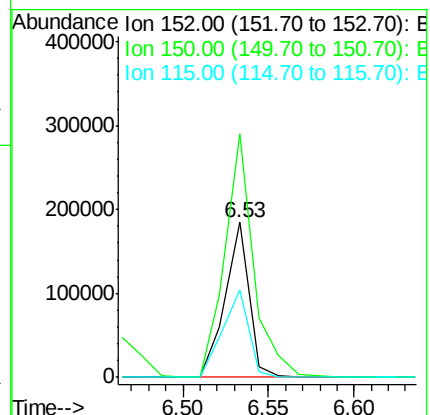
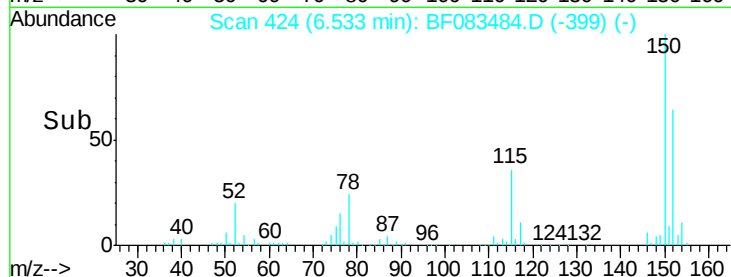
115 56.6 59.2 88.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.43 ng

RT: 1.93 min Scan# 21

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

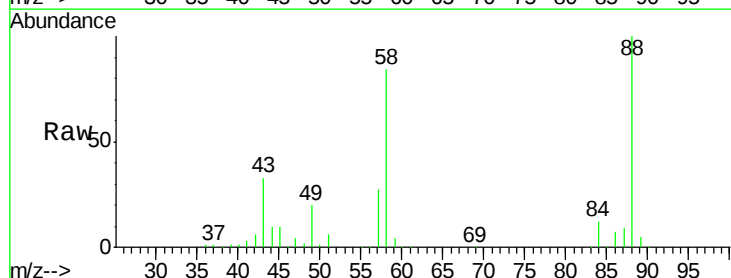
Tgt Ion: 88 Resp: 221035

Ion Ratio Lower Upper

88 100

58 84.2 66.6 100.0

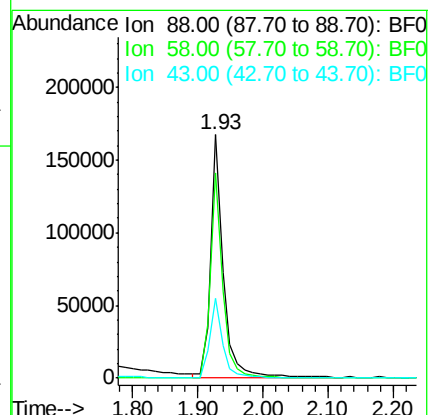
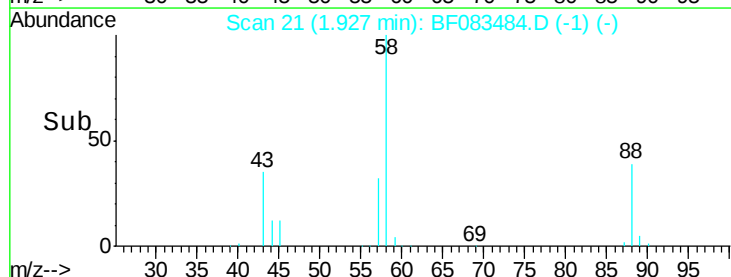
43 35.4 27.1 40.7

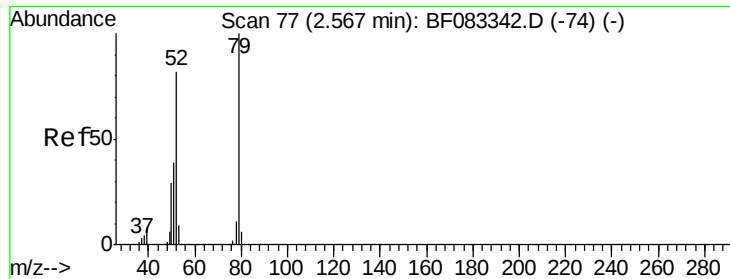


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

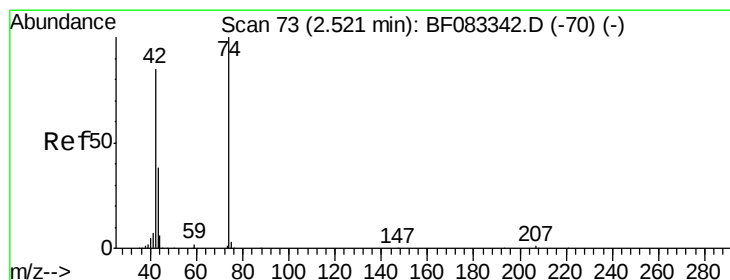
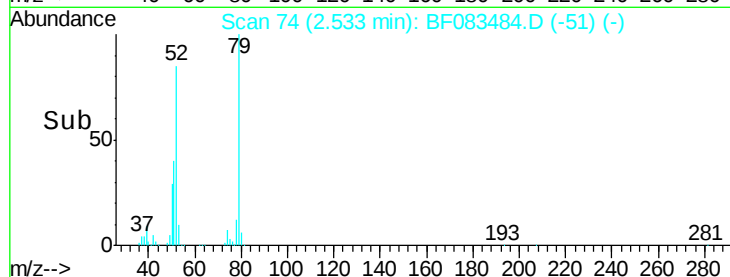
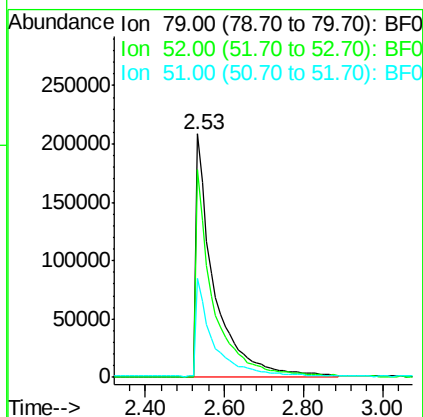
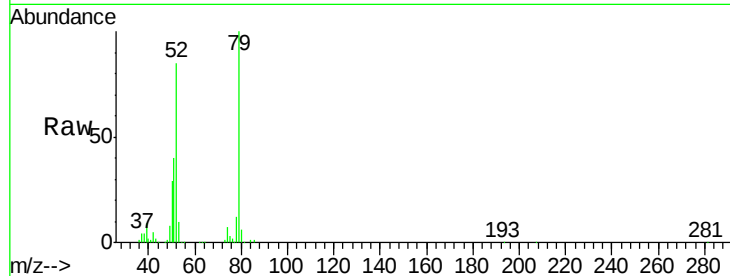




#3  
 Pvridine  
 Concen: 42.19 ng  
 RT: 2.53 min Scan# 74  
 Delta R.T. -0.03 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

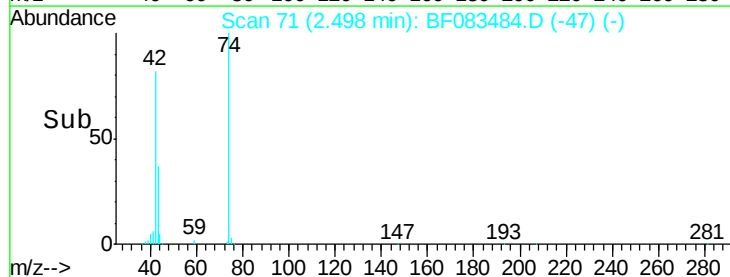
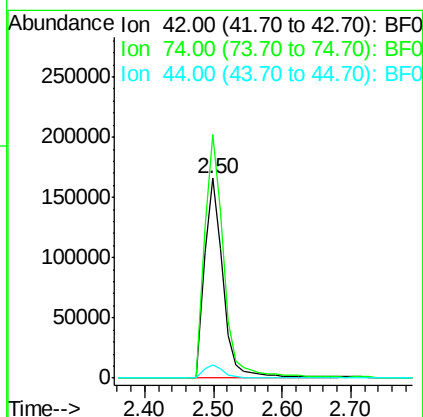
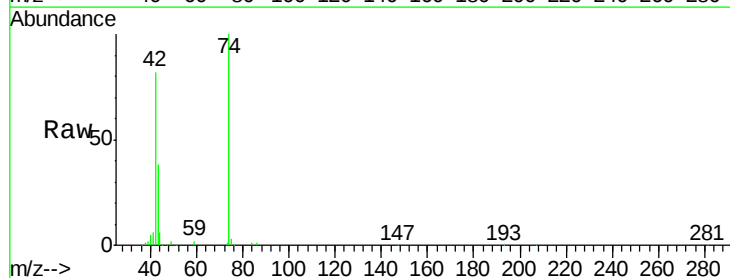
Instrument :  
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 SSTDCCC040

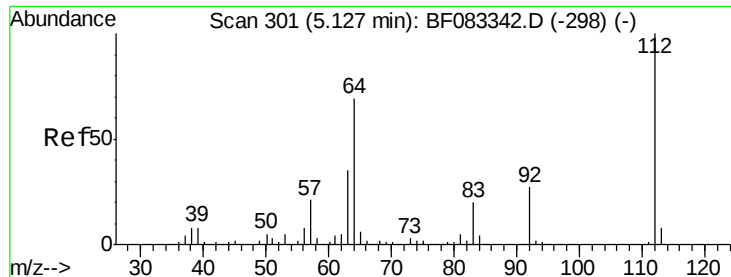
Tot Ion: 79 Resp: 677530  
 Ion Ratio Lower Upper  
 79 100  
 52 85.5 65.9 98.9  
 51 40.5 32.3 48.5



#4  
 n-Nitrosodimethylamine  
 Concen: 39.39 ng  
 RT: 2.50 min Scan# 71  
 Delta R.T. -0.02 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Tgt Ion: 42 Resp: 311331  
 Ion Ratio Lower Upper  
 42 100  
 74 121.8 93.7 140.5  
 44 6.8 5.6 8.4





#5

2-Fluorophenol

Concen: 81.08 ng

RT: 5.12 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

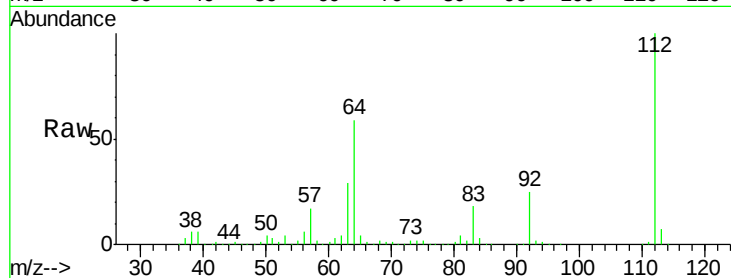
Tot Ion: 112 Resp: 961257

Ion Ratio Lower Upper

112 100

64 59.2 55.6 83.4

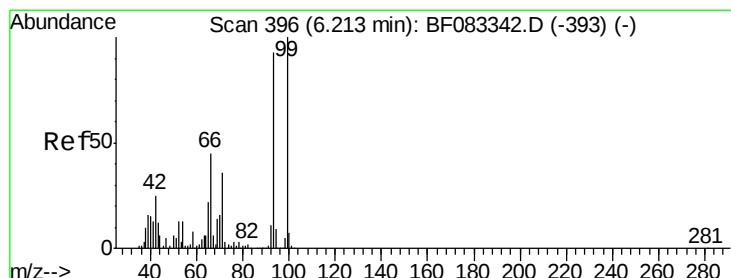
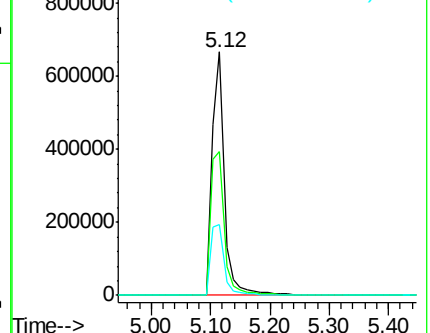
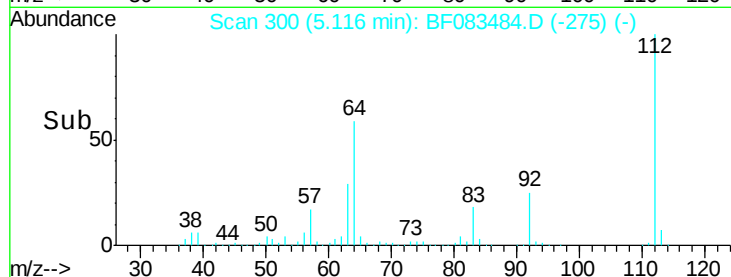
63 29.3 28.2 42.2



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: 38.42 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

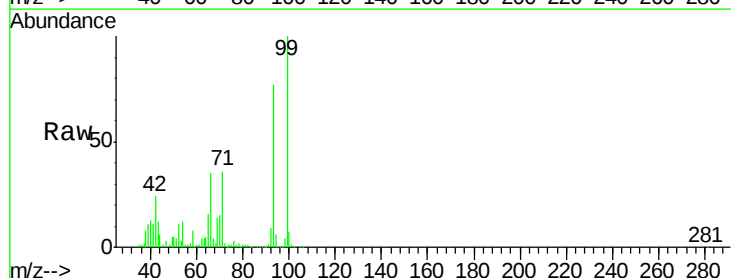
Tgt Ion: 93 Resp: 852913

Ion Ratio Lower Upper

93 100

66 45.7 38.7 58.1

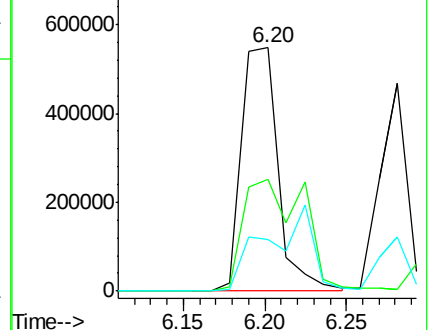
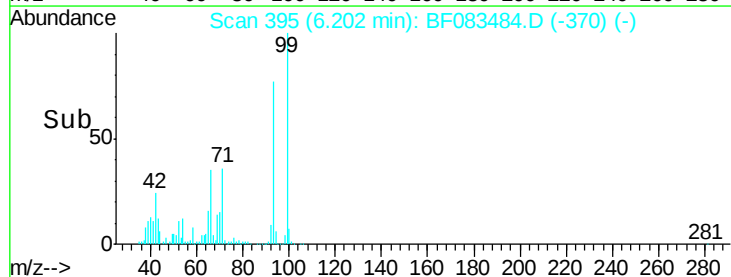
65 21.0 19.0 28.6

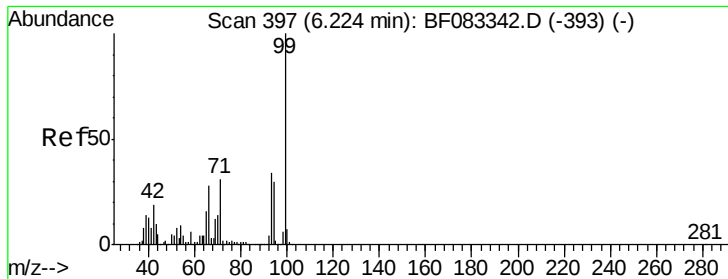


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 76.90 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

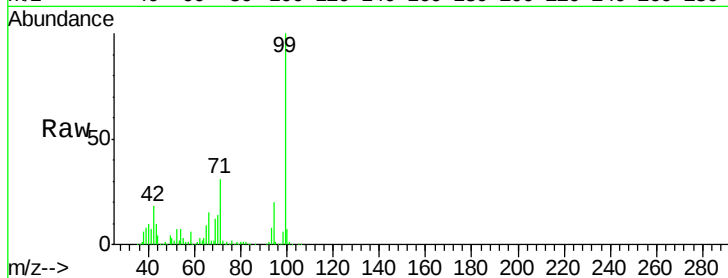
Tot Ion: 99 Resp: 1247765

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

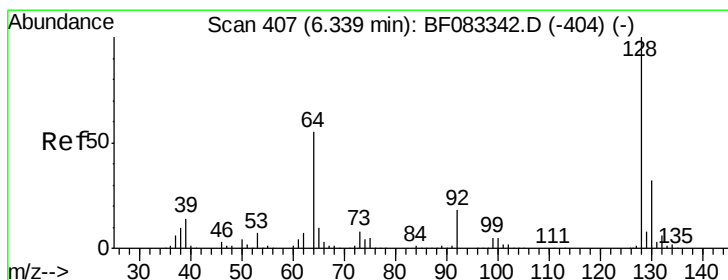
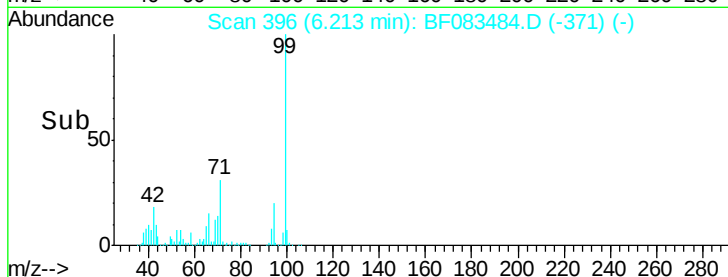
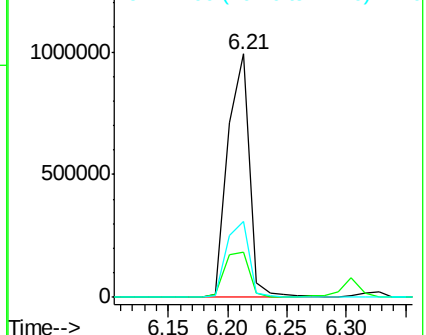
71 31.1 24.7 37.1



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: 38.15 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

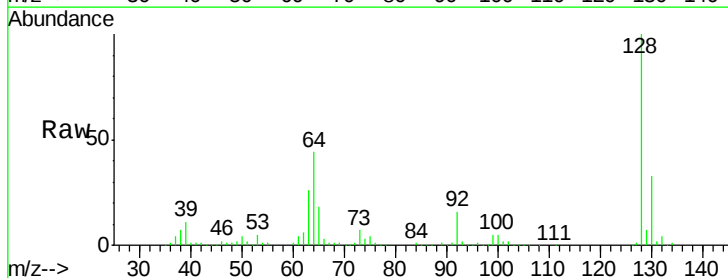
Tgt Ion: 128 Resp: 498873

Ion Ratio Lower Upper

128 100

130 33.2 12.3 52.3

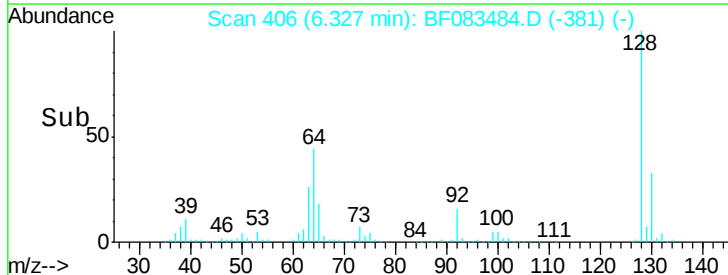
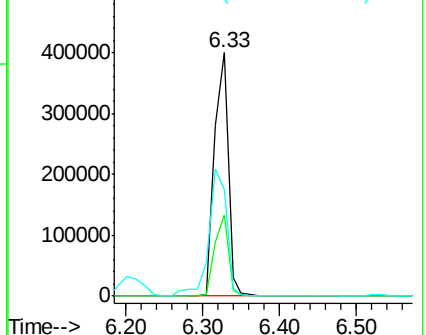
64 43.7 36.4 76.4

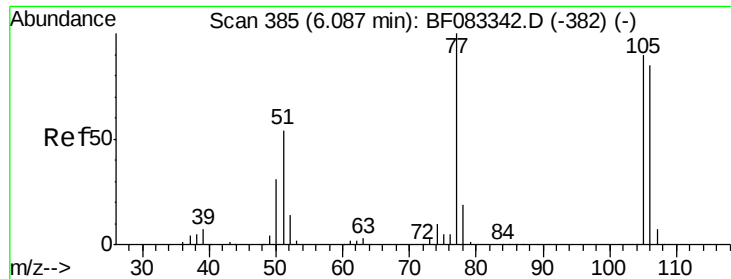


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 42.39 ng/mL

RT: 6.06 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

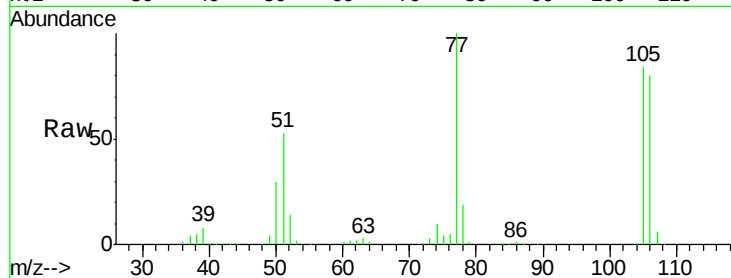
Tot Ion: 77 Resp: 326529

Ion Ratio Lower Upper

77 100

105 84.3 70.0 110.0

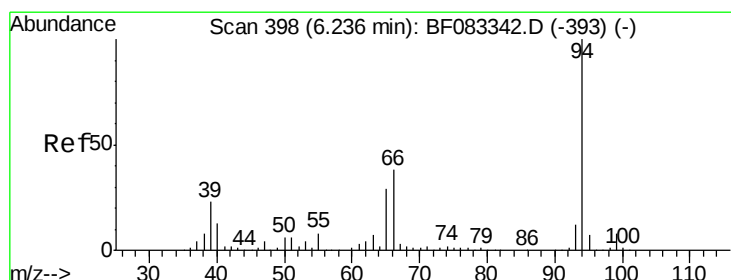
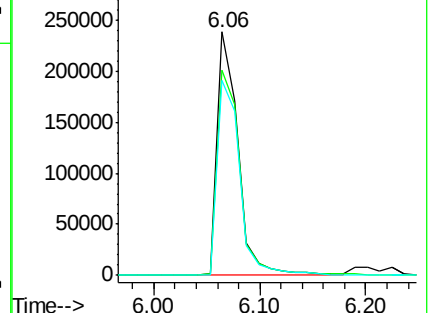
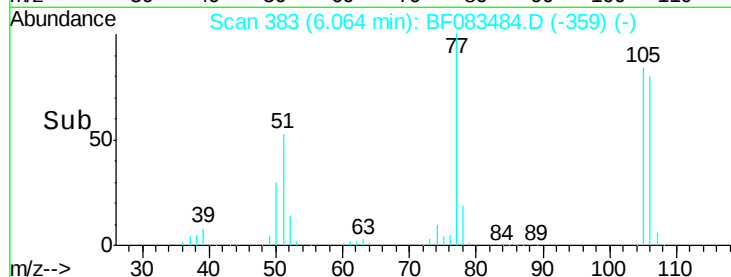
106 79.8 65.0 105.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 39.52 ng/mL

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

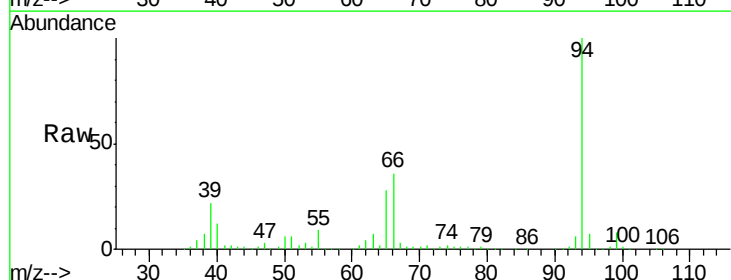
Tgt Ion: 94 Resp: 771632

Ion Ratio Lower Upper

94 100

65 28.4 9.5 49.5

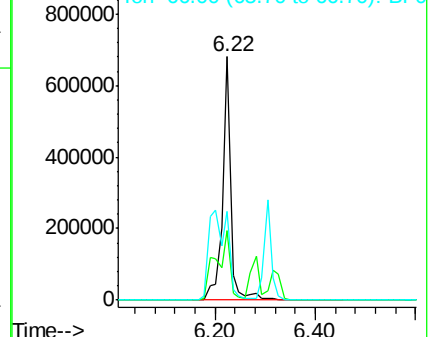
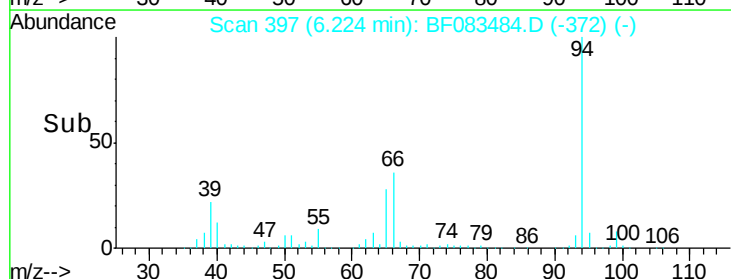
66 36.3 17.9 57.9

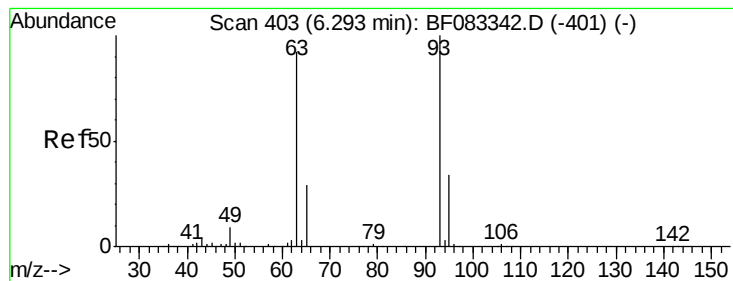


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 38.73 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

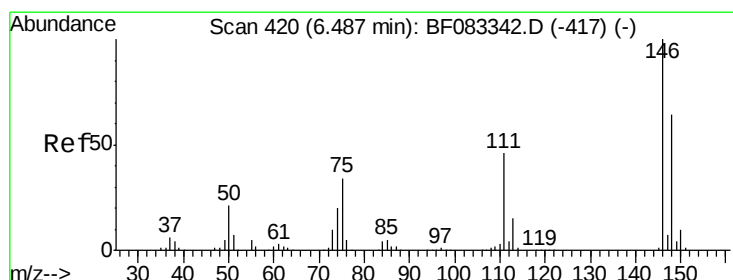
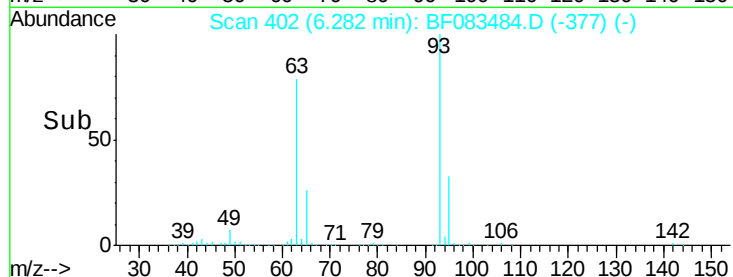
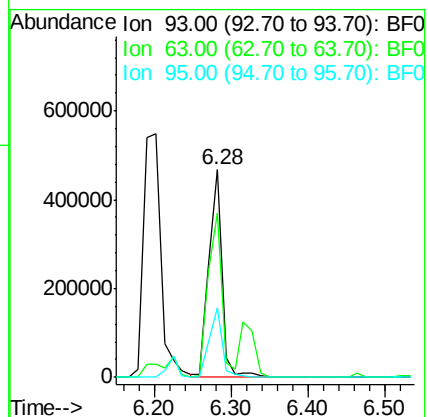
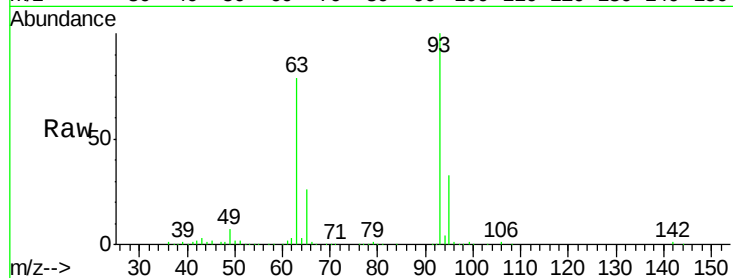
Tot Ion: 93 Resp: 550005

Ion Ratio Lower Upper

93 100

63 79.3 71.4 111.4

95 33.3 13.4 53.4



#12

1,3-Dichlorobenzene

Concen: 37.47 ng m

RT: 6.46 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

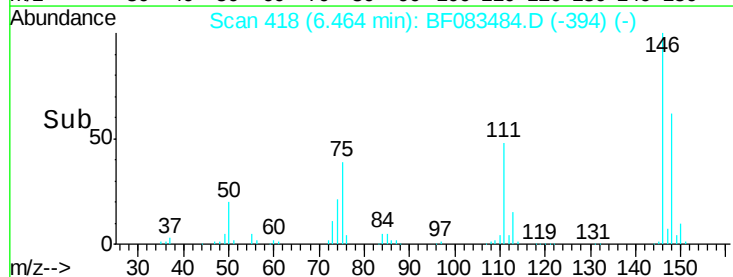
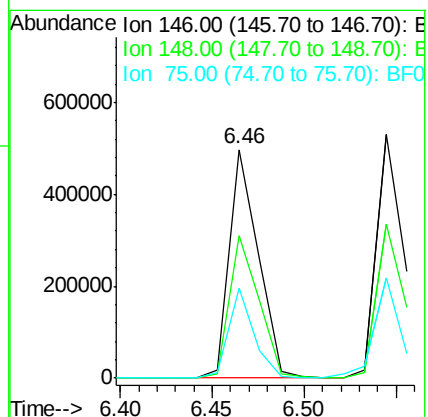
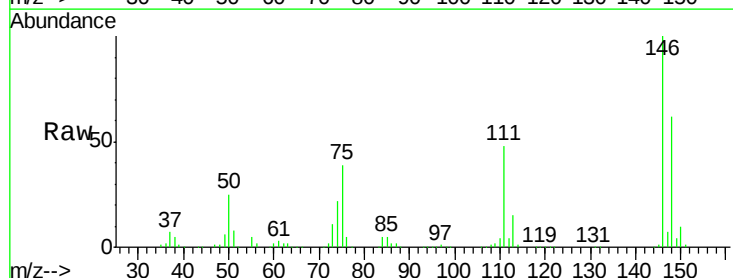
Tgt Ion: 146 Resp: 544703

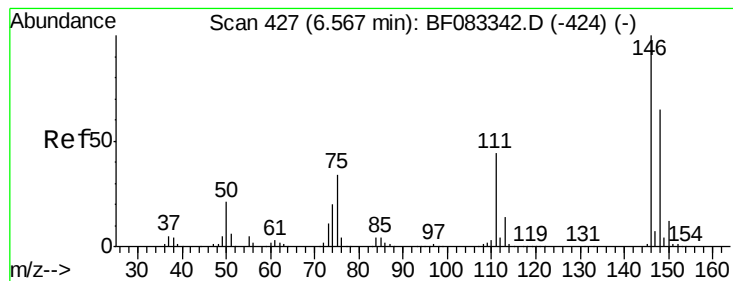
Ion Ratio Lower Upper

146 100

148 62.3 51.1 76.7

75 39.3 27.5 41.3





#13

1,4-Dichlorobenzene

Concen: 36.96 ng/mL

RT: 6.54 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

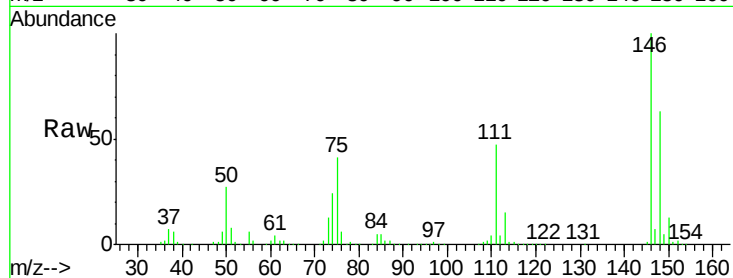
Tot Ion:146 Resp: 555308

Ion Ratio Lower Upper

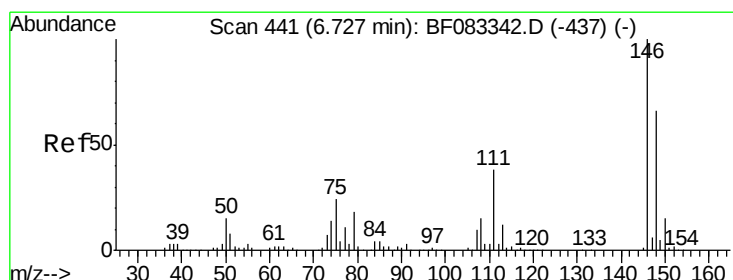
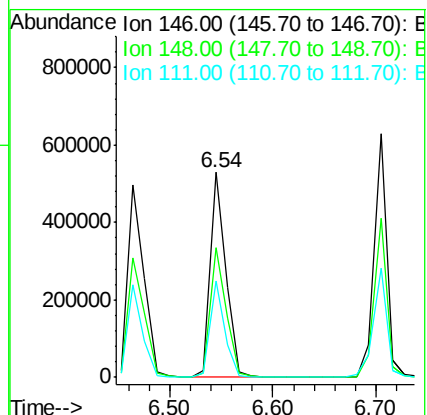
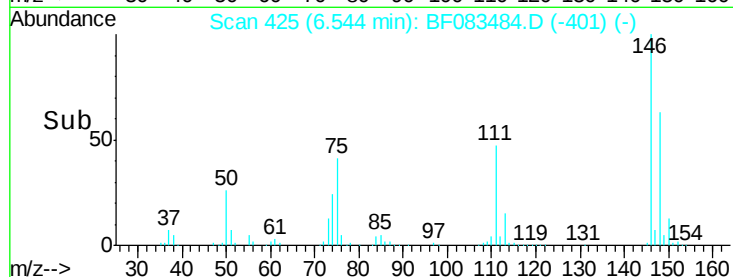
146 100

148 63.3 52.1 78.1

111 46.9 35.4 53.0



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.50 ng/mL

RT: 6.70 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

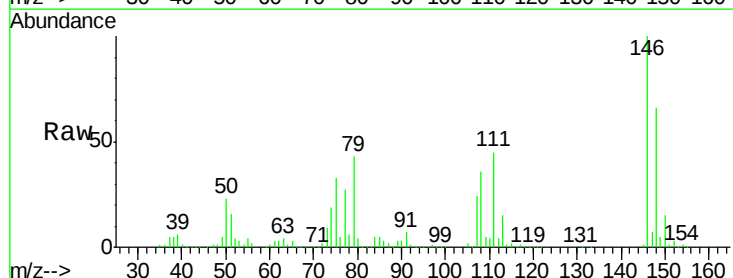
Tgt Ion:146 Resp: 530745

Ion Ratio Lower Upper

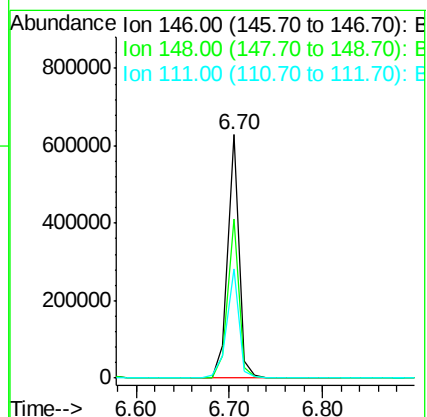
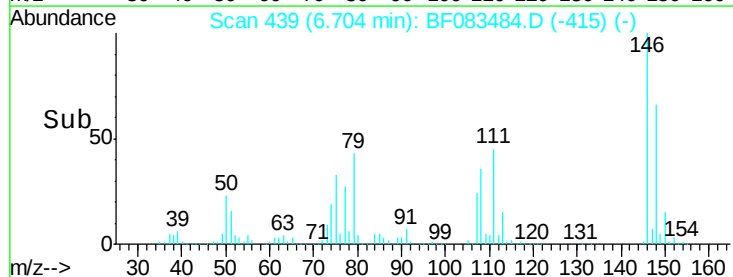
146 100

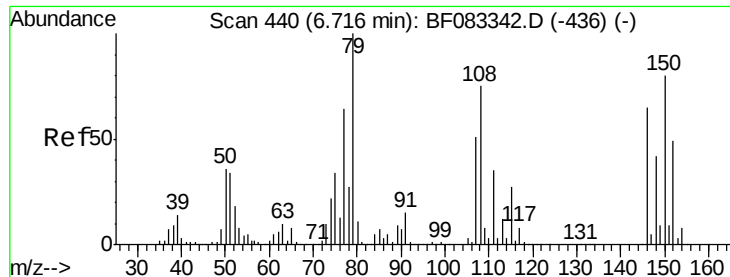
148 65.5 52.5 78.7

111 45.1 30.6 46.0



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

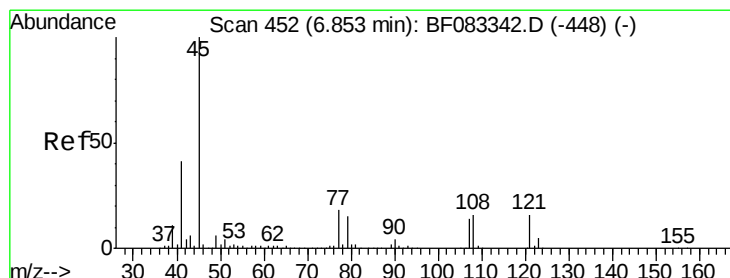
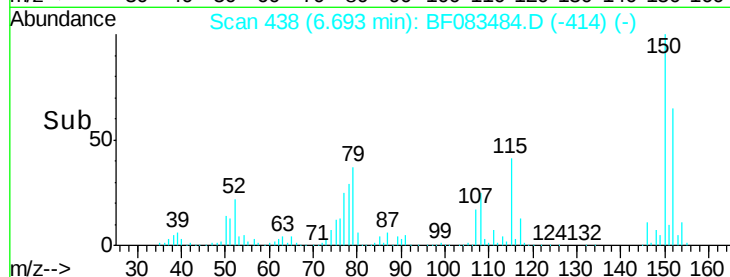
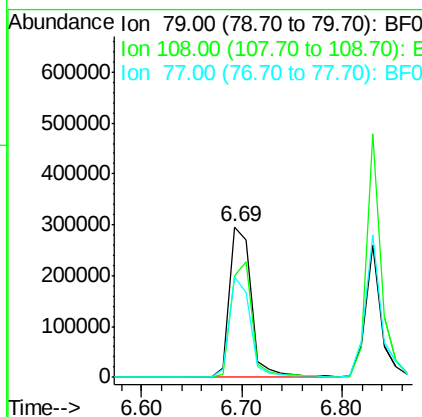
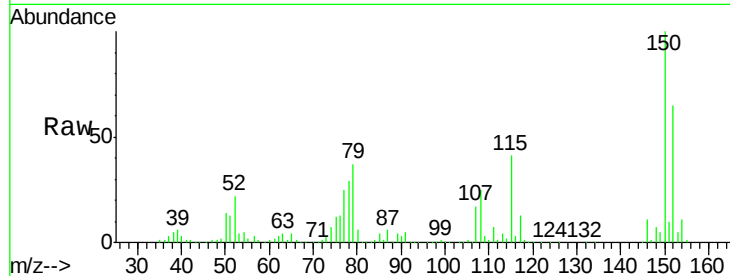




#15  
Benzyl Alcohol  
Concen: 36.10 ng  
RT: 6.69 min Scan# 438  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

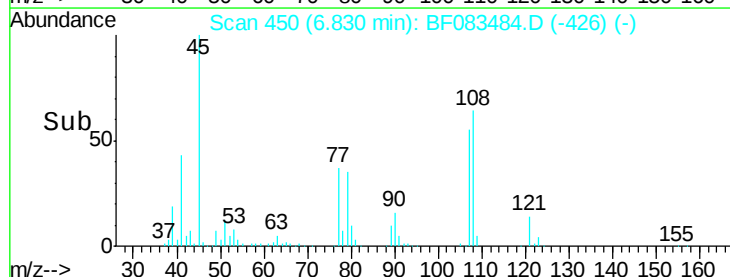
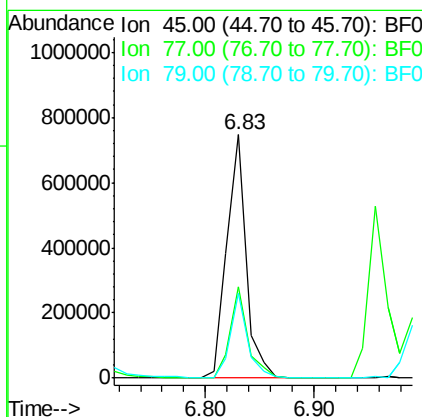
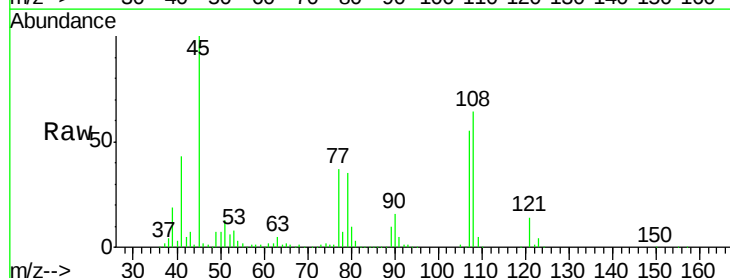
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

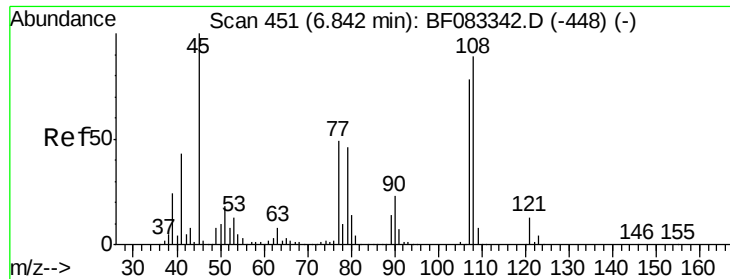
Tot Ion: 79 Resp: 452746  
Ion Ratio Lower Upper  
79 100  
108 67.0 59.9 89.9  
77 66.8 51.0 76.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.79 ng  
RT: 6.83 min Scan# 450  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion: 45 Resp: 916811  
Ion Ratio Lower Upper  
45 100  
77 37.5 0.0 38.3  
79 34.9 0.0 35.4

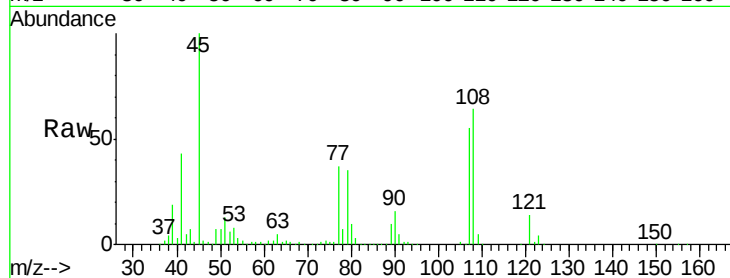




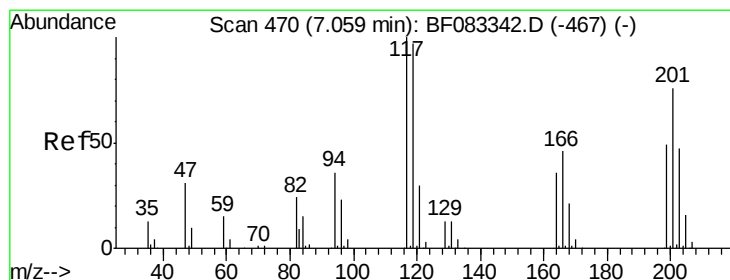
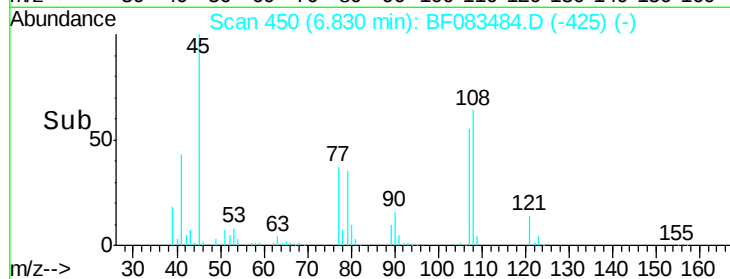
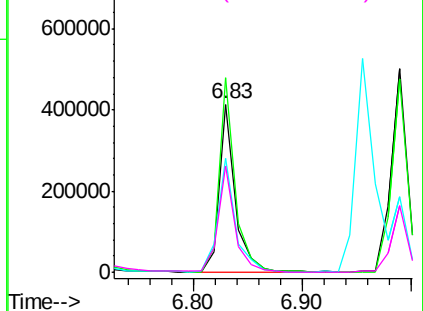
#17  
2-Methylphenol  
Concen: 38.73 ng  
RT: 6.83 min Scan# 450  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:107 Resp: 422210  
Ion Ratio Lower Upper  
107 100  
108 115.5 91.6 137.4  
77 67.6 49.9 74.9  
79 62.9 47.3 70.9

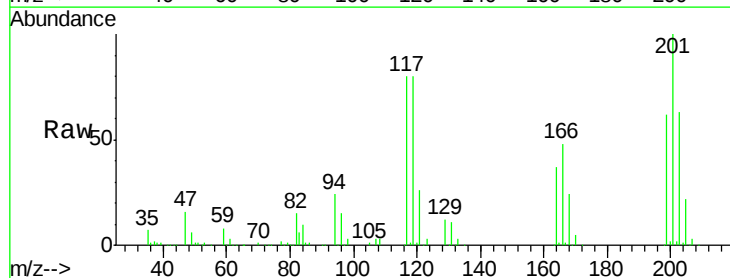


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

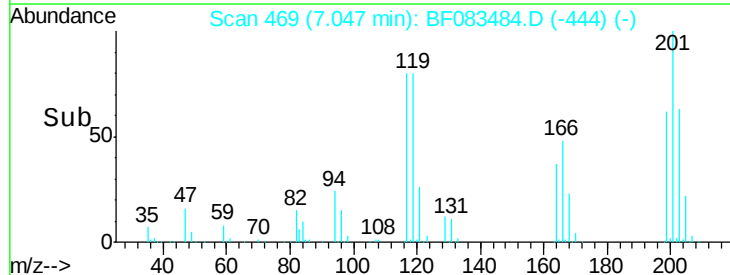
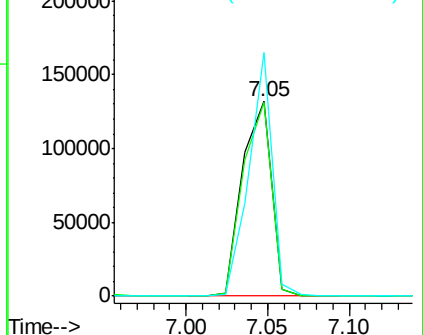


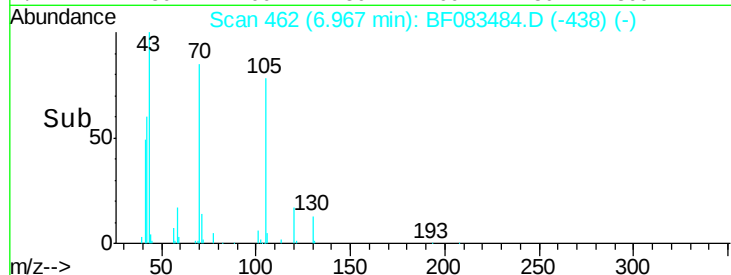
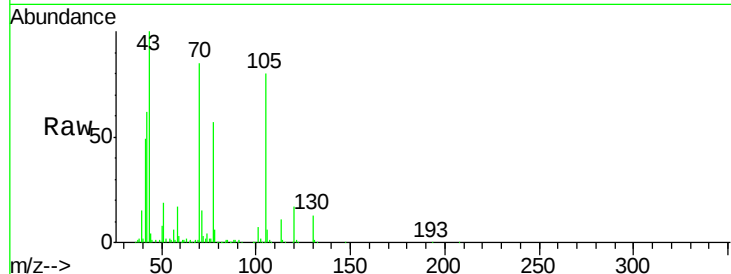
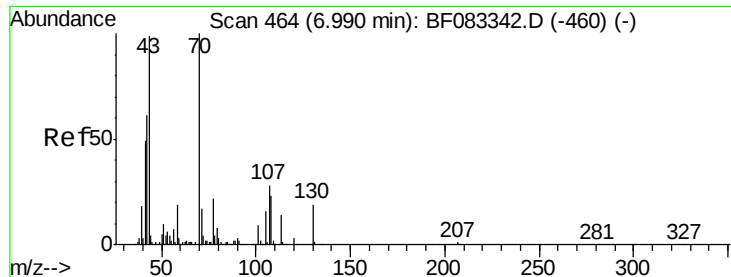
#18  
Hexachloroethane  
Concen: 31.14 ng  
RT: 7.05 min Scan# 469  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:117 Resp: 162468  
Ion Ratio Lower Upper  
117 100  
119 99.5 77.3 115.9  
201 125.1 60.6 90.8#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

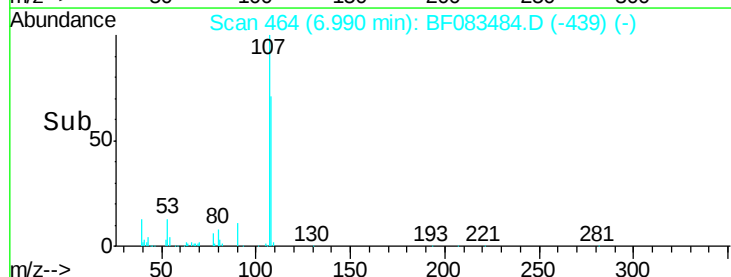
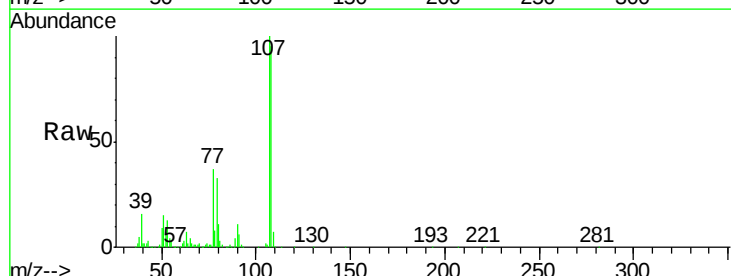
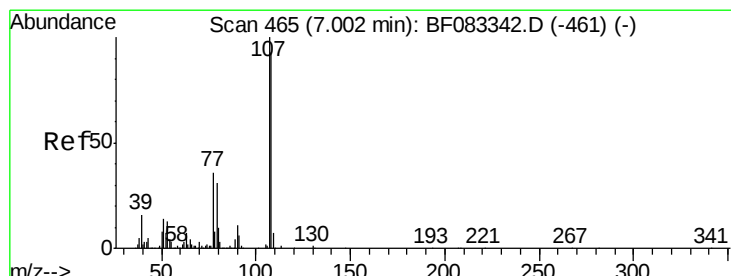
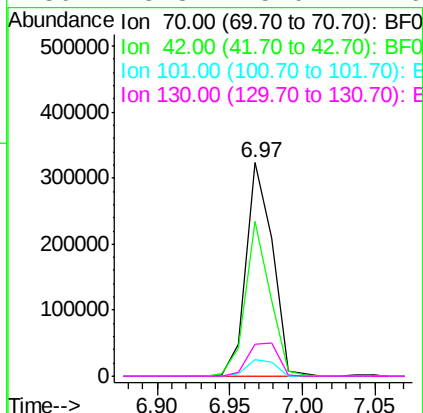




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.28 ng  
RT: 6.97 min Scan# 462  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

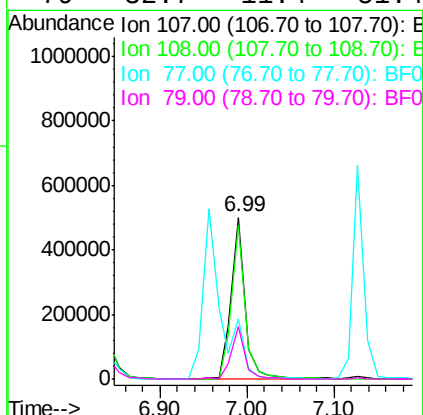
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

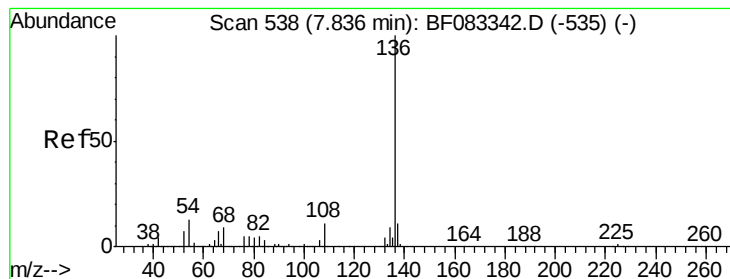
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 409234 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 72.7  | 48.8  | 73.2   |
| 101      | 8.1   | 7.1   | 10.7   |
| 130      | 15.3  | 15.0  | 22.6   |



#20  
3+4-Methylphenols  
Concen: 37.64 ng  
RT: 6.99 min Scan# 464  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 555735 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 95.0  | 73.0  | 113.0  |
| 77       | 37.4  | 16.8  | 56.8   |
| 79       | 32.7  | 11.4  | 51.4   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:136 Resp: 665913

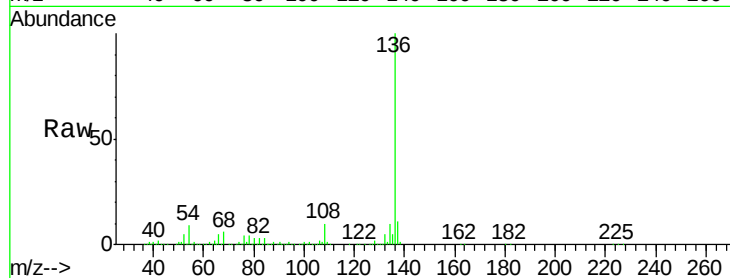
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.9 10.1 15.1#

68 6.3 7.1 10.7#

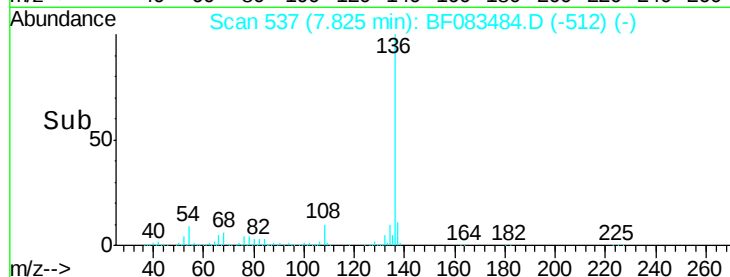


Abundance Ion 136.00 (135.70 to 136.70): E

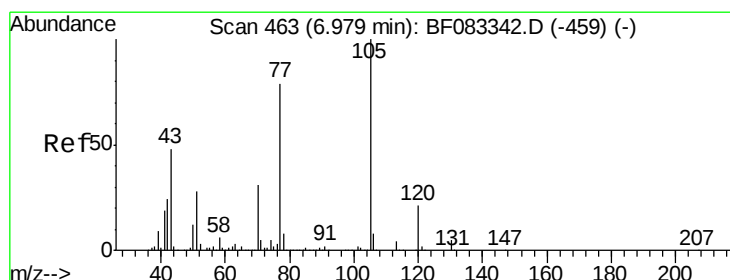
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.70 7.80 7.90 8.00



#22

Acetophenone

Concen: 37.27 ng

RT: 6.96 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Tgt Ion:105 Resp: 742592

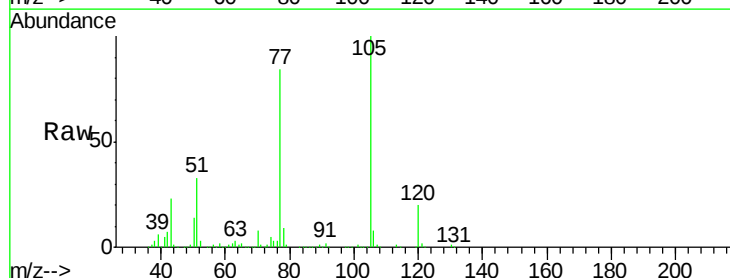
Ion Ratio Lower Upper

105 100

71 1.2 4.3 6.5#

51 32.9 22.9 34.3

120 20.2 16.7 25.1

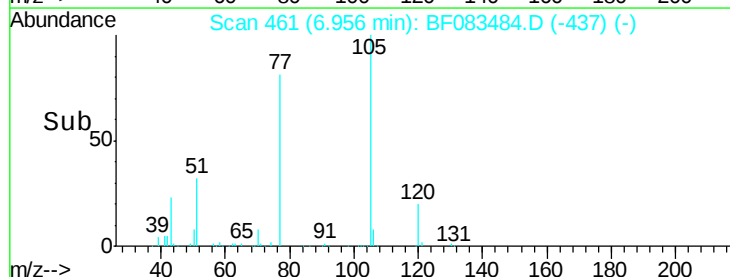


Abundance Ion 105.00 (104.70 to 105.70): E

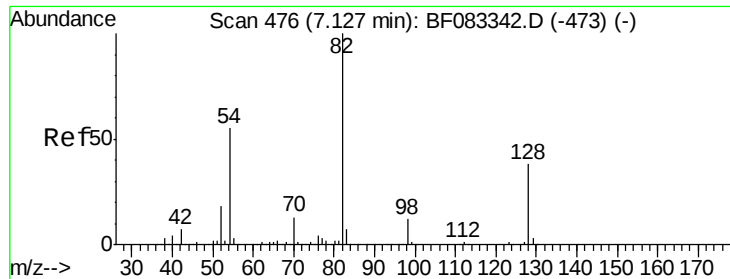
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



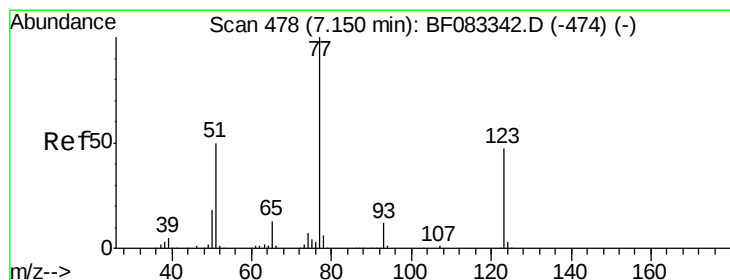
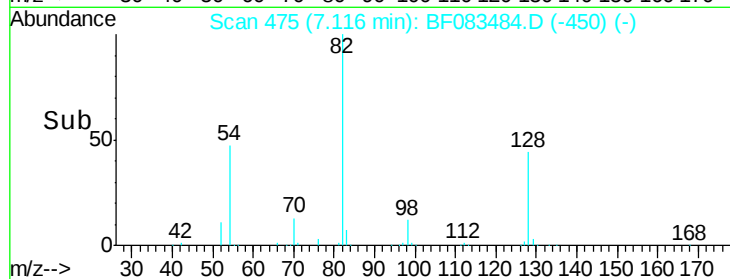
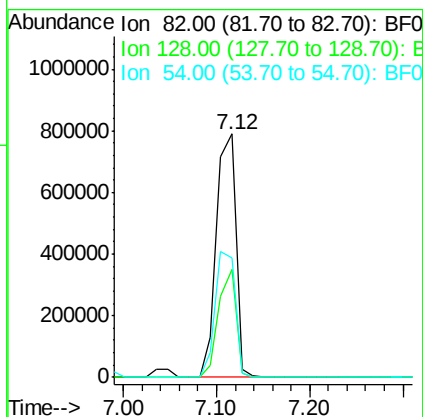
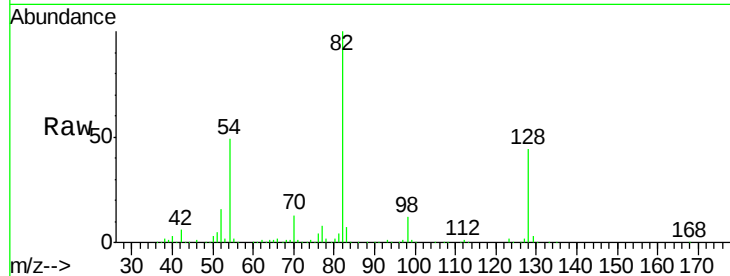
Time--> 6.80 7.00 7.20



#23  
 Nitrobenzene-d5  
 Concen: 76.07 ng  
 RT: 7.12 min Scan# 475  
 Delta R.T. -0.01 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

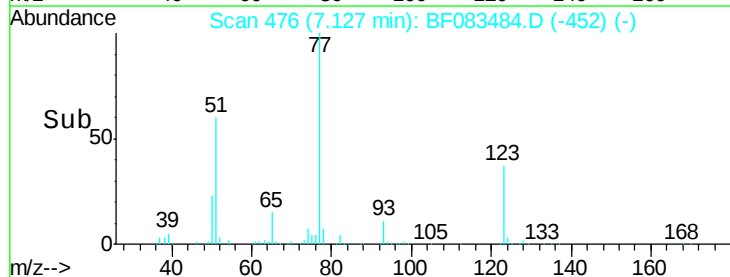
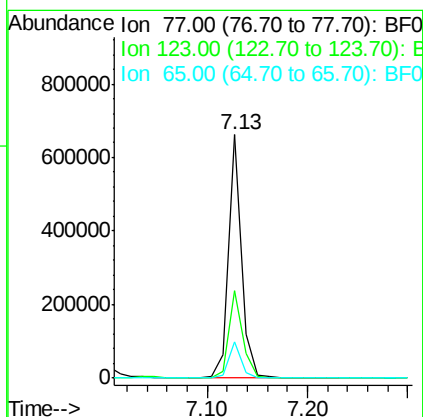
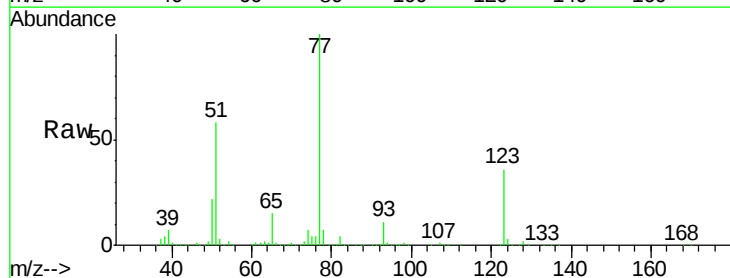
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

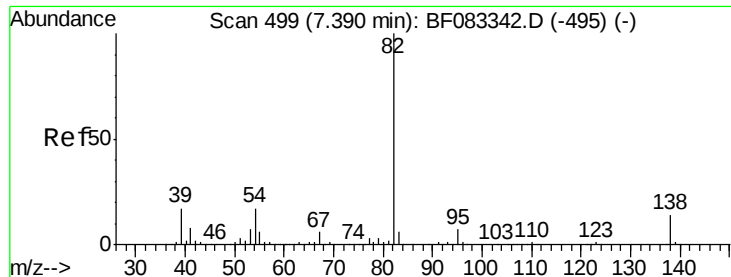
Tot Ion: 82 Resp: 1152328  
 Ion Ratio Lower Upper  
 82 100  
 128 44.3 30.6 46.0  
 54 49.1 43.8 65.6



#24  
 Nitrobenzene  
 Concen: 36.63 ng  
 RT: 7.13 min Scan# 476  
 Delta R.T. -0.02 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Tgt Ion: 77 Resp: 592595  
 Ion Ratio Lower Upper  
 77 100  
 123 36.1 37.4 56.0#  
 65 14.7 10.6 15.8

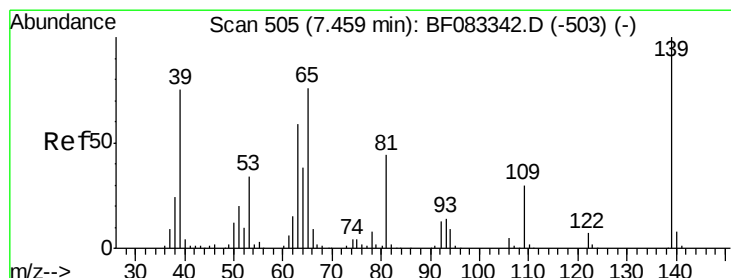
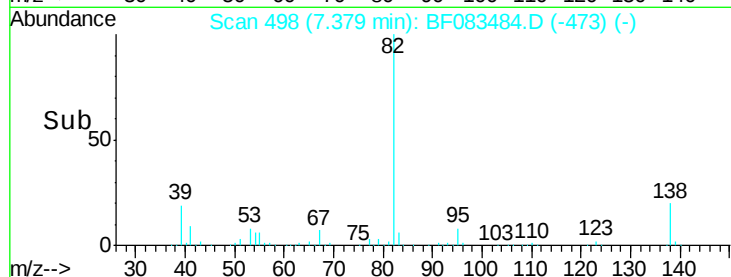
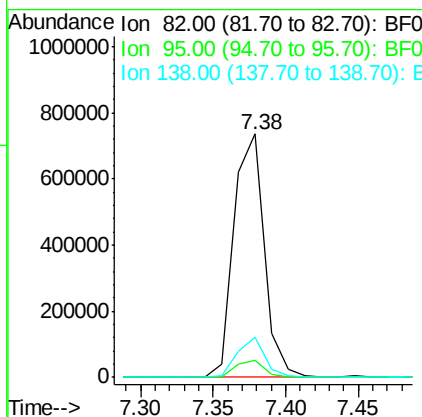
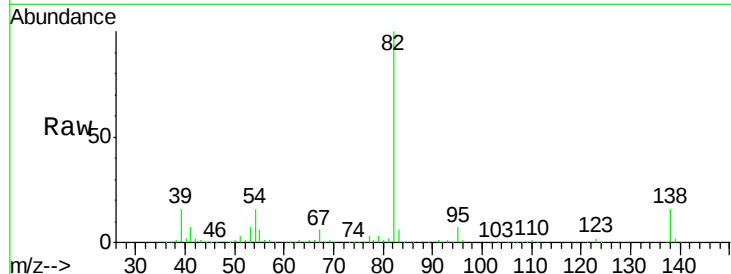




#25  
Isophorone  
Concen: 36.50 ng  
RT: 7.38 min Scan# 498  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

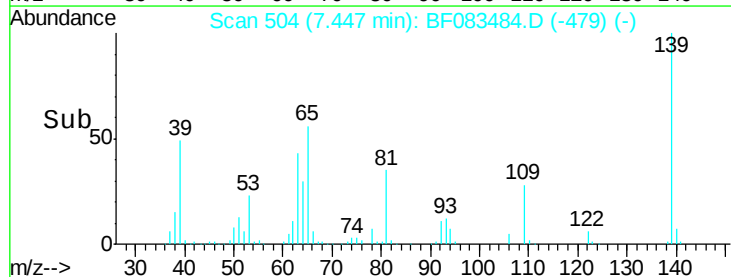
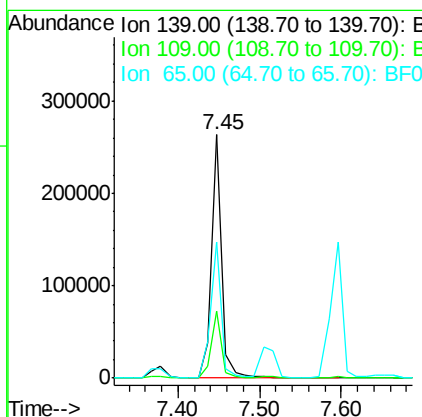
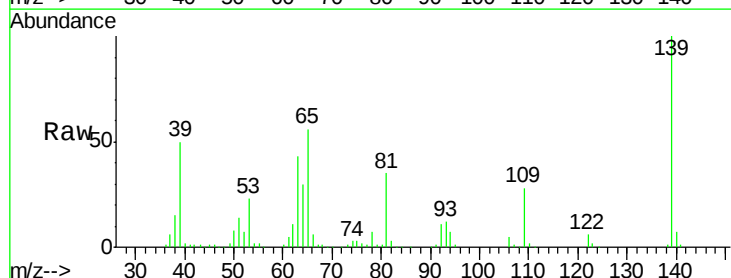
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

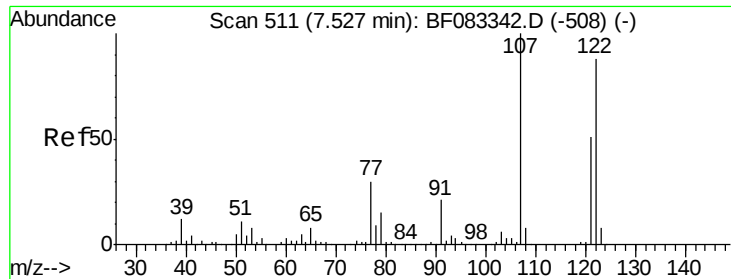
Tot Ion: 82 Resp: 1071047  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.3 7.9  
138 16.4 11.6 17.4



#26  
2-Nitrophenol  
Concen: 35.37 ng  
RT: 7.45 min Scan# 504  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion: 139 Resp: 233562  
Ion Ratio Lower Upper  
139 100  
109 27.5 24.2 36.4  
65 55.9 61.0 91.6#





#27

2,4-Dimethylphenol

Concen: 38.83 ng

RT: 7.52 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

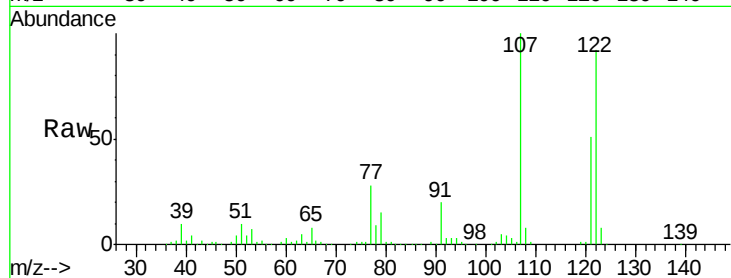
Tot Ion:122 Resp: 429830

Ion Ratio Lower Upper

122 100

107 108.8 91.2 136.8

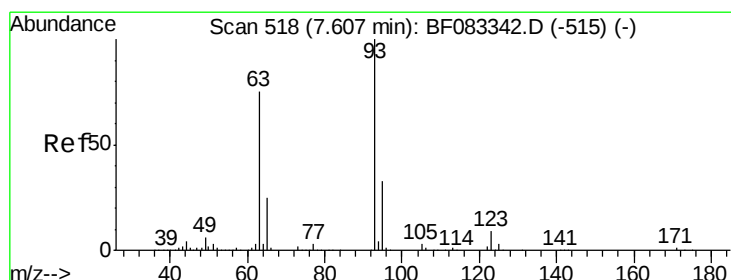
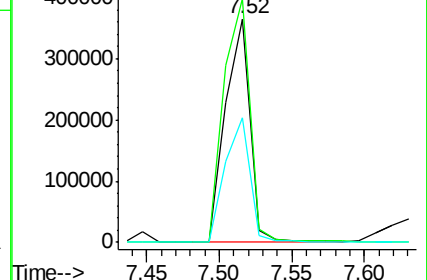
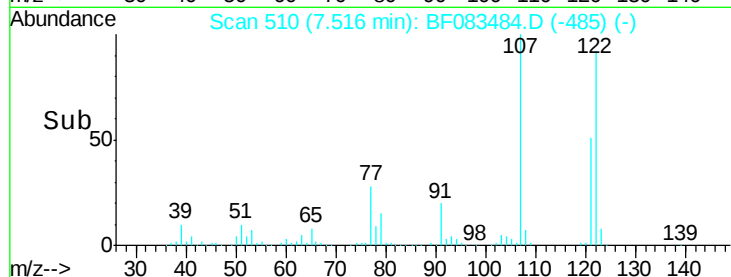
121 55.5 46.4 69.6



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: 39.60 ng

RT: 7.60 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

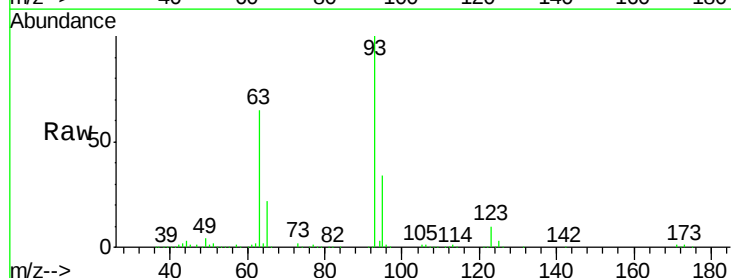
Tgt Ion: 93 Resp: 661661

Ion Ratio Lower Upper

93 100

95 33.6 26.1 39.1

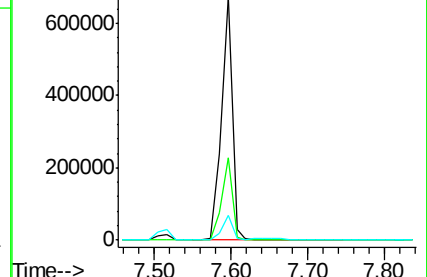
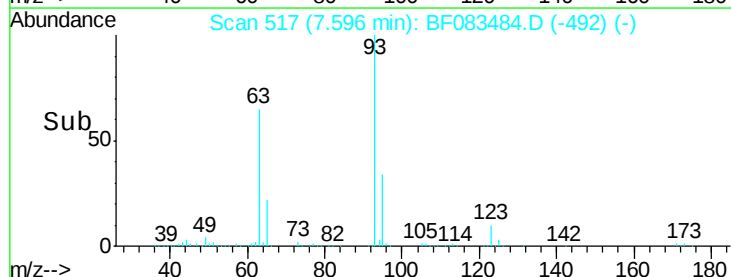
123 10.4 7.4 11.0

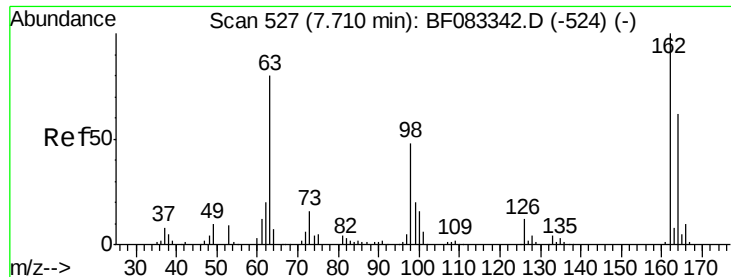


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

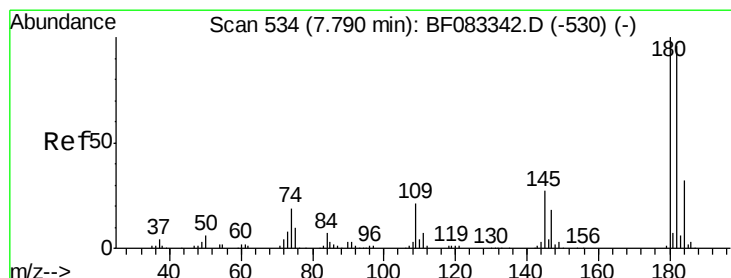
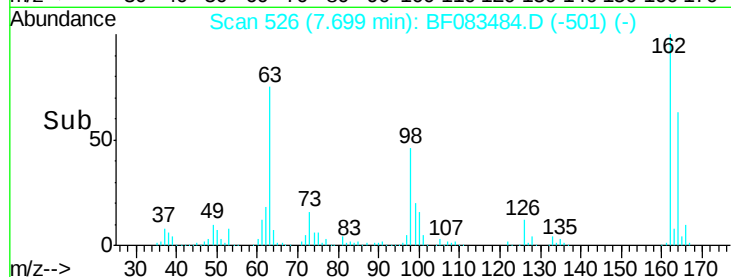
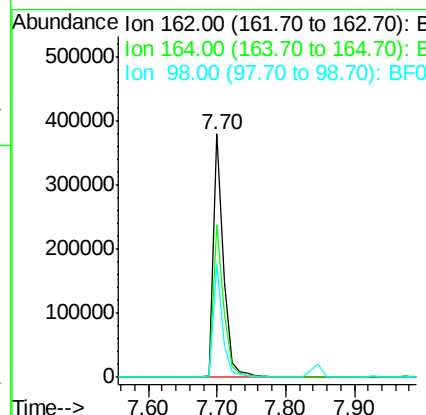
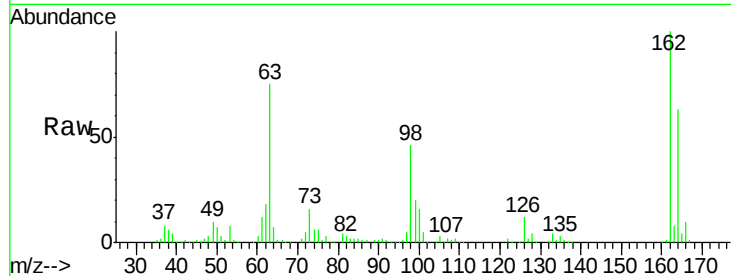




#29  
 2,4-Dichlorophenol  
 Concen: 37.46 ng  
 RT: 7.70 min Scan# 526  
 Delta R.T. -0.01 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

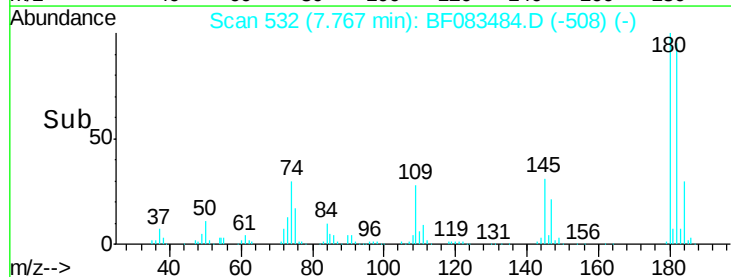
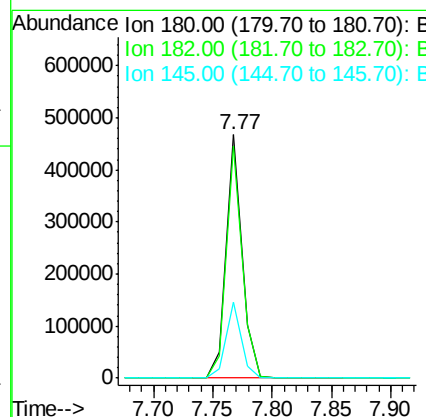
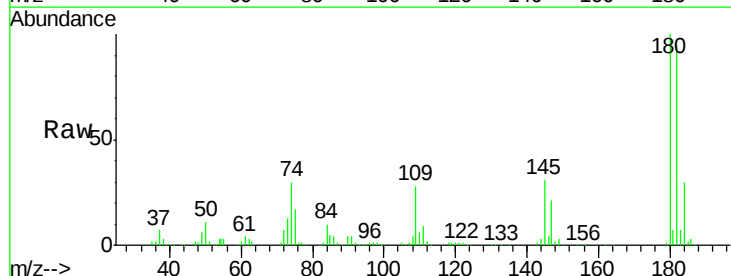
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

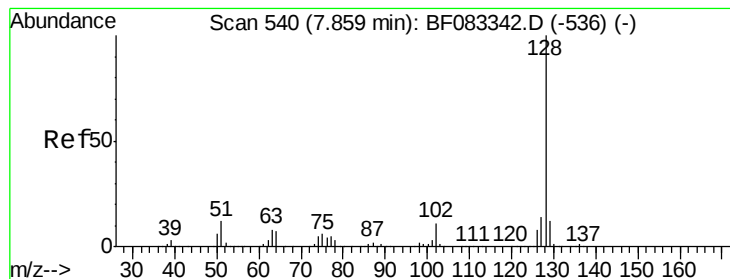
Tot Ion:162 Resp: 398776  
 Ion Ratio Lower Upper  
 162 100  
 164 63.0 41.9 81.9  
 98 46.4 28.1 68.1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.09 ng  
 RT: 7.77 min Scan# 532  
 Delta R.T. -0.02 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Tgt Ion:180 Resp: 429809  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 77.2 115.8  
 145 31.2 21.4 32.2





#31

Naphthalene

Concen: 38.96 ng

RT: 7.85 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

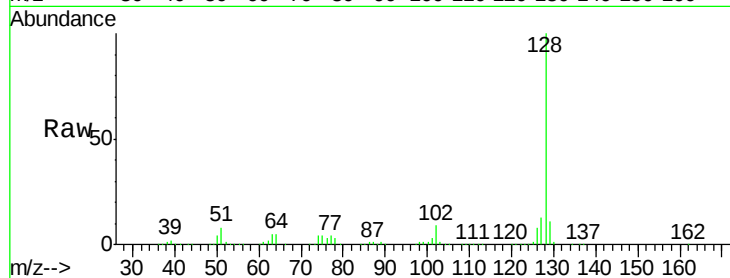
Tot Ion:128 Resp: 1407580

Ion Ratio Lower Upper

128 100

129 11.4 9.7 14.5

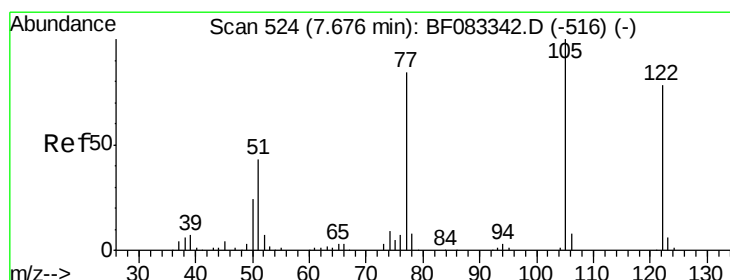
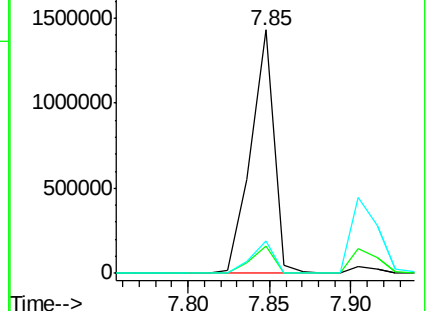
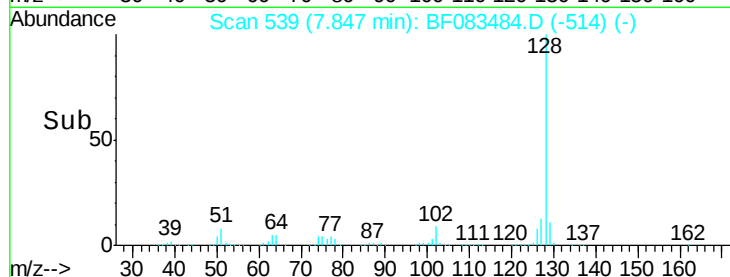
127 13.4 11.0 16.4



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: 25.75 ng

RT: 7.66 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

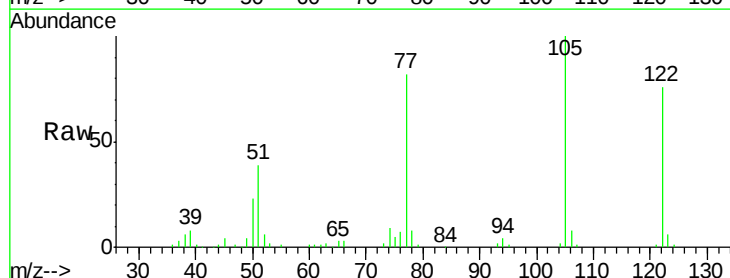
Tgt Ion:122 Resp: 196592

Ion Ratio Lower Upper

122 100

105 131.8 106.0 146.0

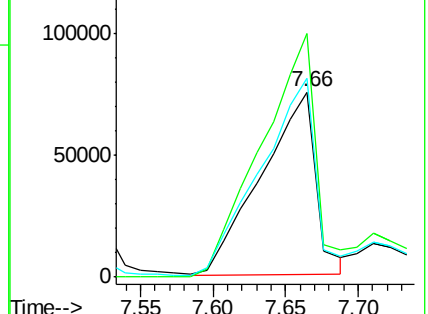
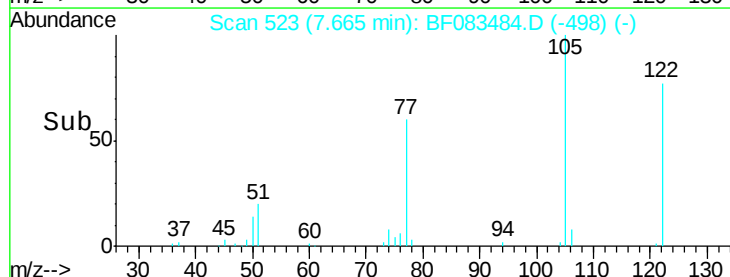
77 107.4 86.3 126.3

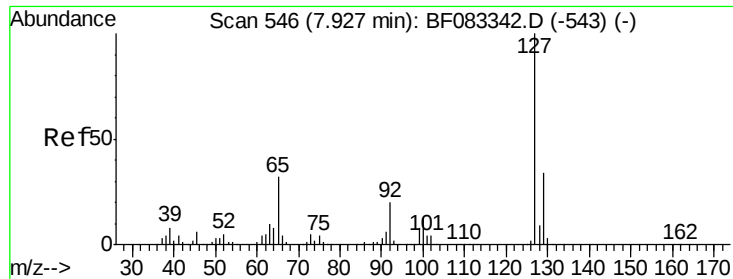


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

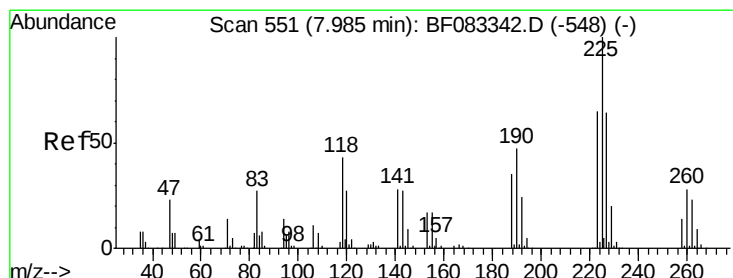
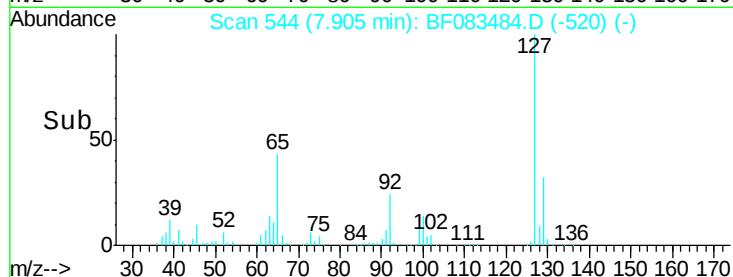
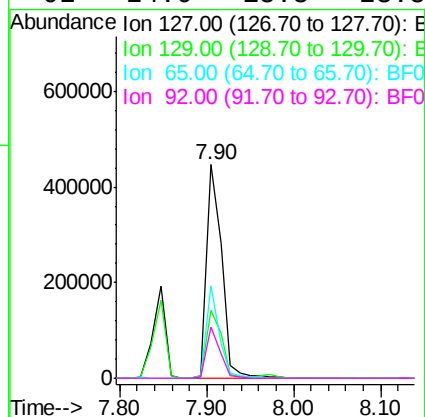
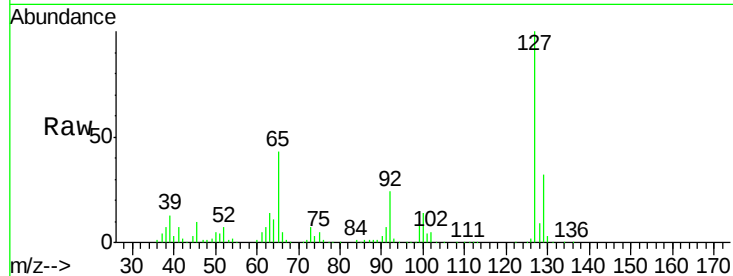




#33  
4-Chloroaniline  
Concen: 34.79 ng  
RT: 7.90 min Scan# 544  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

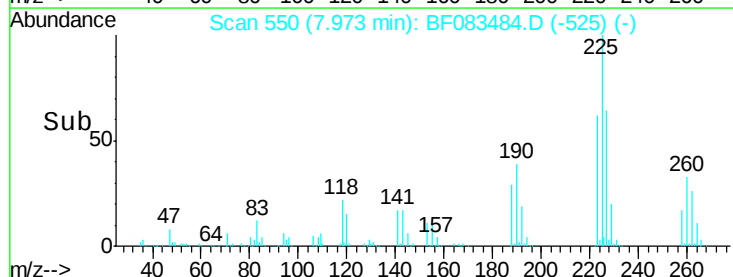
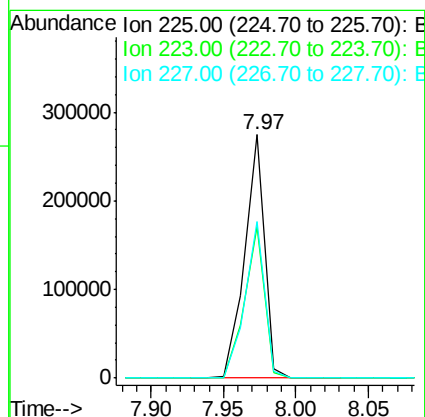
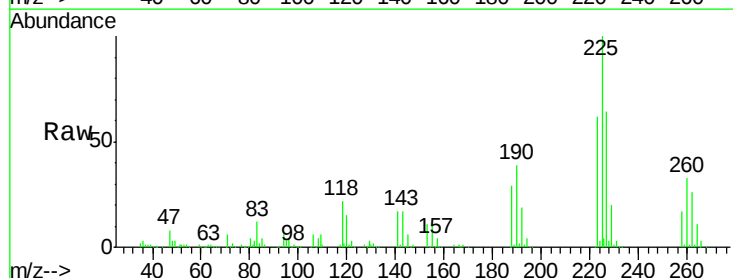
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

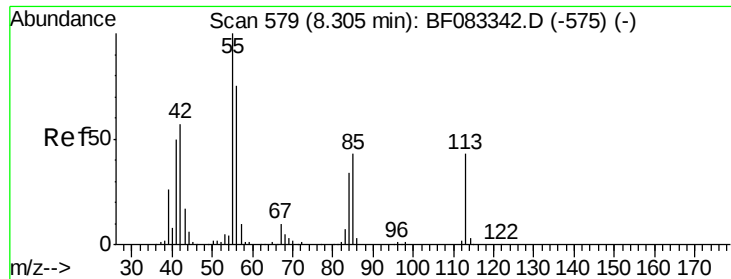
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 541794 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 27.0  | 40.4   |
| 65       | 43.2  | 25.9  | 38.9#  |
| 92       | 24.0  | 15.8  | 23.8#  |



#34  
Hexachlorobutadiene  
Concen: 39.73 ng  
RT: 7.97 min Scan# 550  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 261399 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.3  | 52.0  | 78.0   |
| 227      | 64.3  | 51.1  | 76.7   |

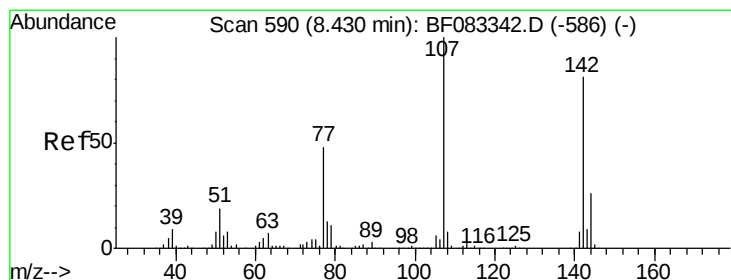
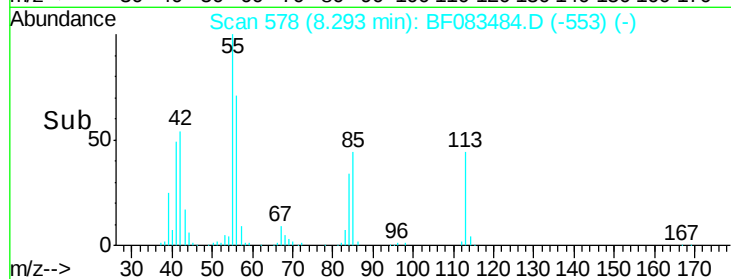
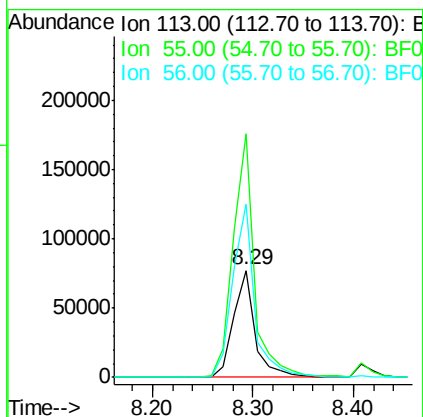
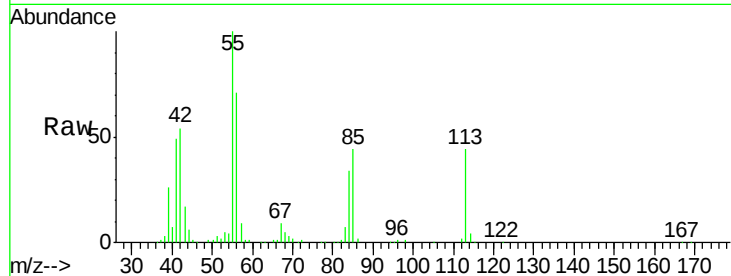




#35  
 Caprolactam  
 Concen: 33.97 ng  
 RT: 8.29 min Scan# 578  
 Delta R.T. -0.01 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

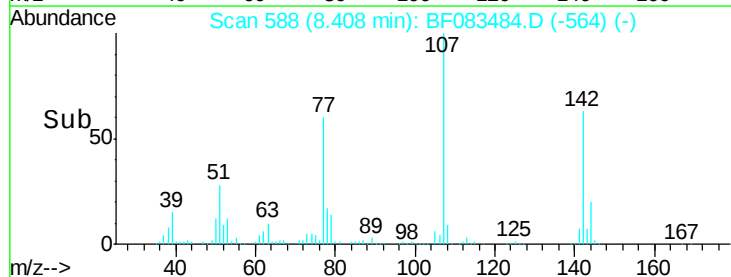
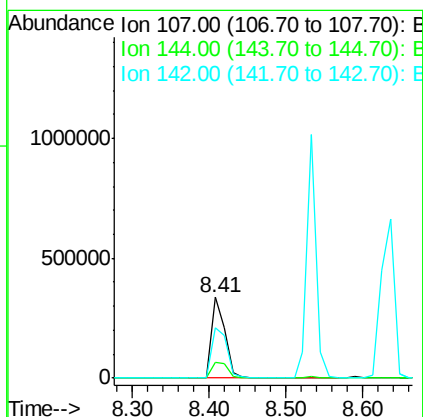
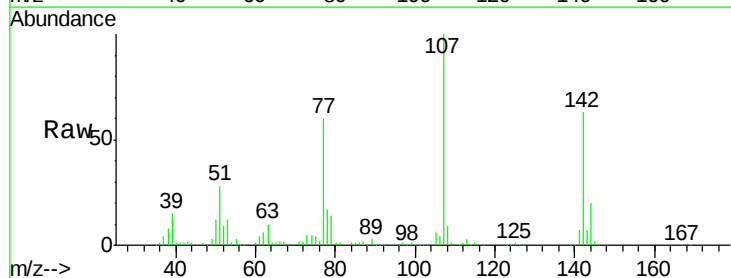
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

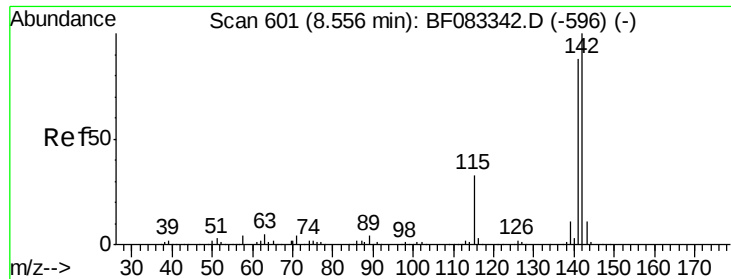
Tot Ion:113 Resp: 114273  
 Ion Ratio Lower Upper  
 113 100  
 55 228.3 211.6 251.6  
 56 161.9 153.0 193.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 34.36 ng  
 RT: 8.41 min Scan# 588  
 Delta R.T. -0.02 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Tgt Ion:107 Resp: 410253  
 Ion Ratio Lower Upper  
 107 100  
 144 20.0 21.1 31.7#  
 142 62.9 65.1 97.7#

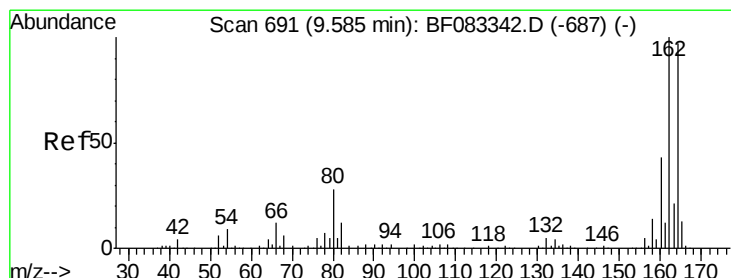
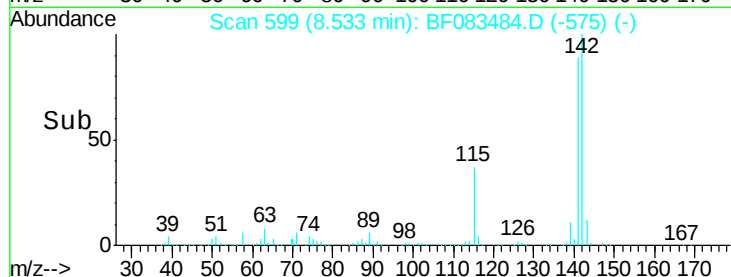
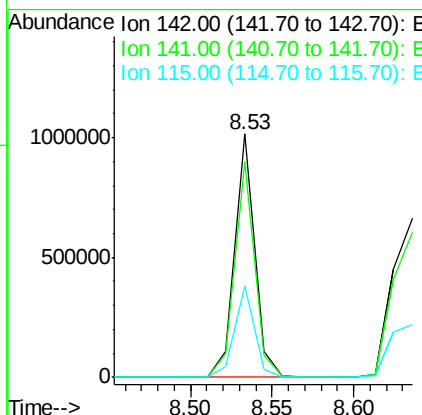
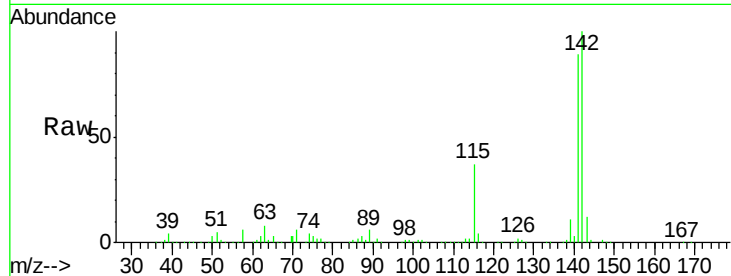




#37  
2-Methylnaphthalene  
Concen: 35.45 ng  
RT: 8.53 min Scan# 599  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

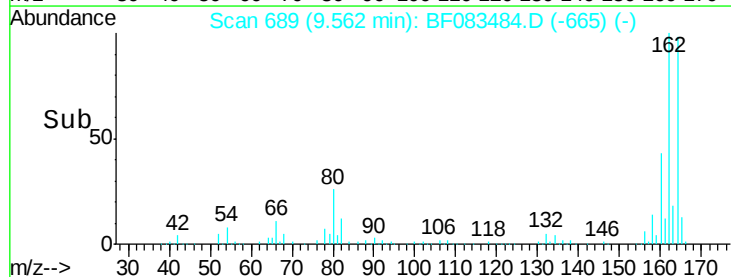
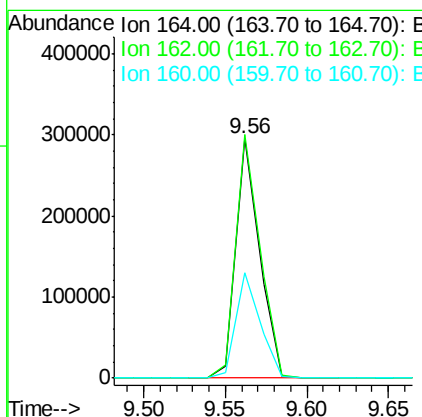
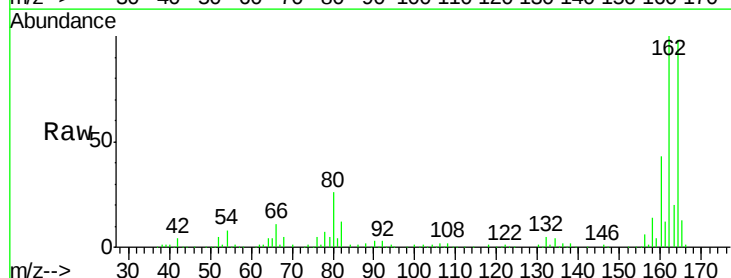
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

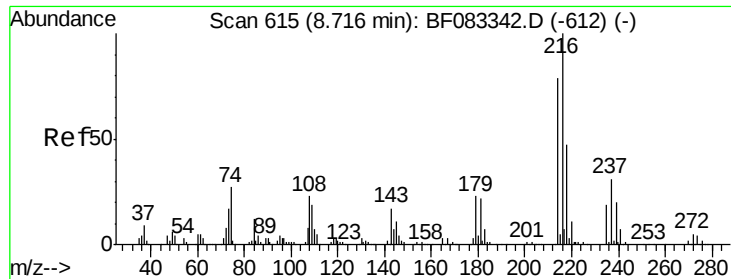
Tot Ion:142 Resp: 856013  
Ion Ratio Lower Upper  
142 100  
141 88.6 70.6 105.8  
115 37.4 26.2 39.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.56 min Scan# 689  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:164 Resp: 293998  
Ion Ratio Lower Upper  
164 100  
162 101.6 82.6 123.8  
160 44.1 35.3 52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.17 ng

RT: 8.70 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:216 Resp: 402296

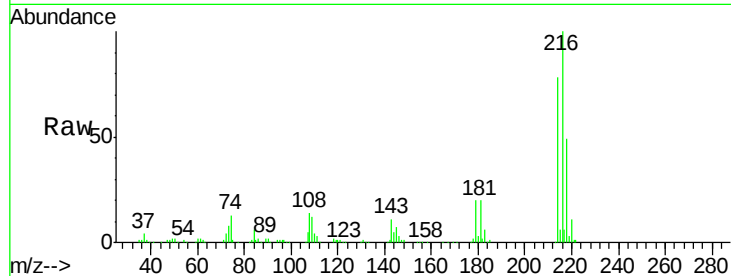
Ion Ratio Lower Upper

216 100

214 79.0 62.3 93.5

179 21.3 17.0 25.4

108 17.6 16.7 25.1

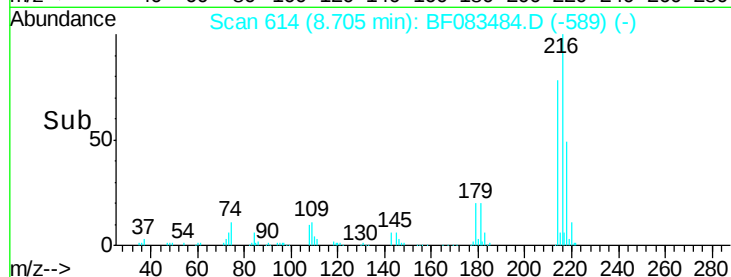


Abundance Ion 216.00 (215.70 to 216.70): E

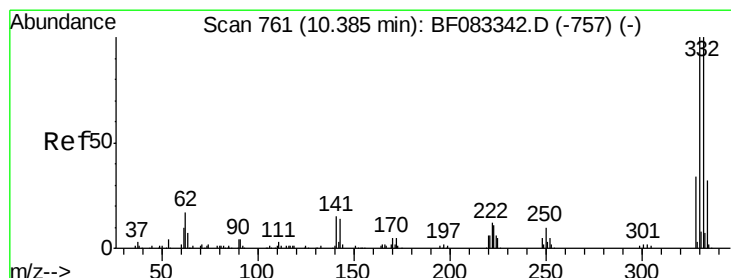
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 8.60 8.70 8.80



#41

2,4,6-Tribromophenol

Concen: 62.24 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

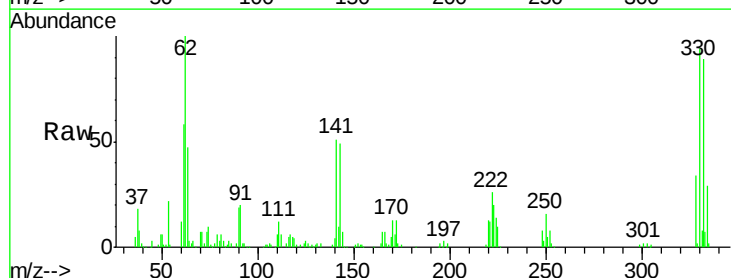
Tgt Ion:330 Resp: 183679

Ion Ratio Lower Upper

330 100

332 98.7 77.8 116.6

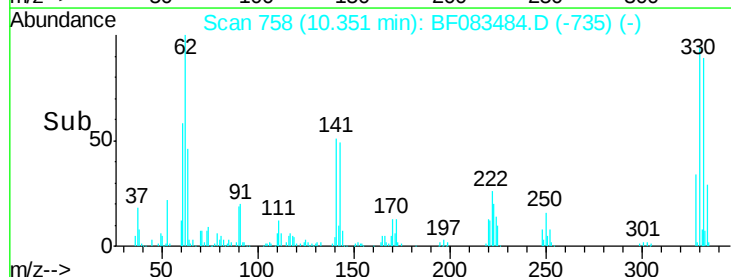
141 40.4 29.4 44.0



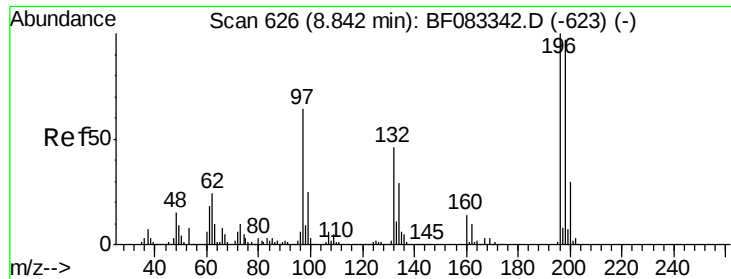
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.30 10.40 10.50



#42

2,4,6-Trichlorophenol

Concen: 40.17 ng

RT: 8.83 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

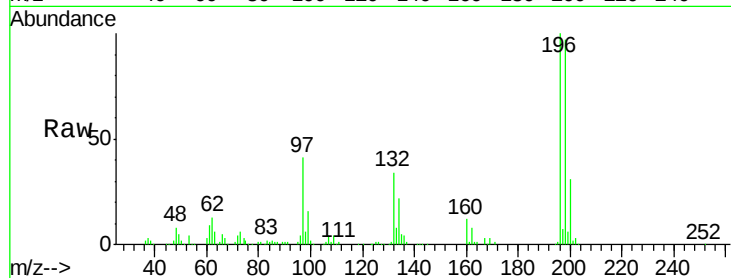
Tot Ion:196 Resp: 262598

Ion Ratio Lower Upper

196 100

198 97.2 77.2 115.8

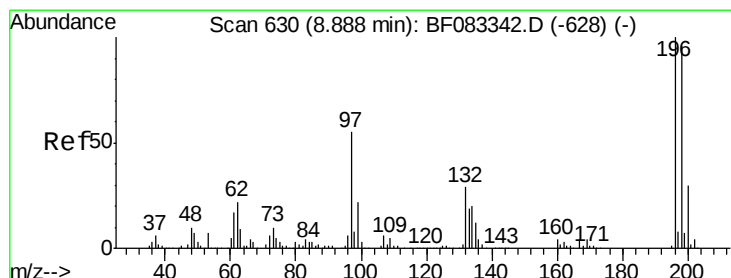
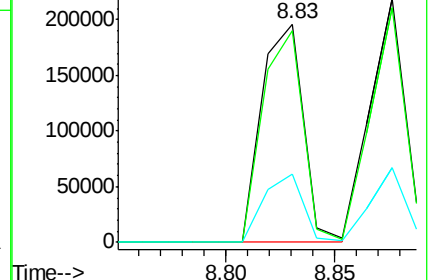
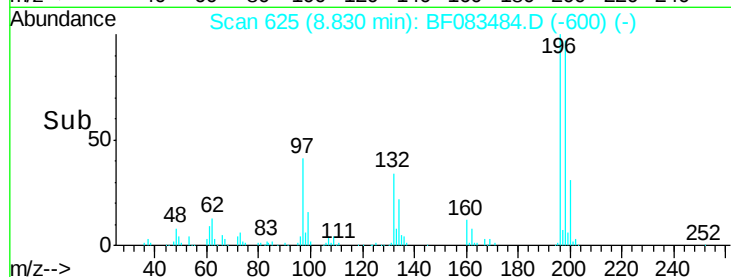
200 31.2 24.2 36.4



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: 38.05 ng

RT: 8.88 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Tgt Ion:196 Resp: 257726

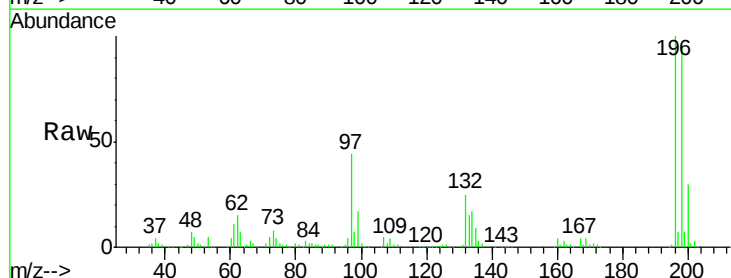
Ion Ratio Lower Upper

196 100

198 96.5 77.2 115.8

97 44.2 44.4 66.6#

132 25.4 23.2 34.8

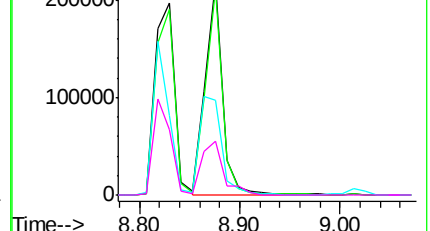
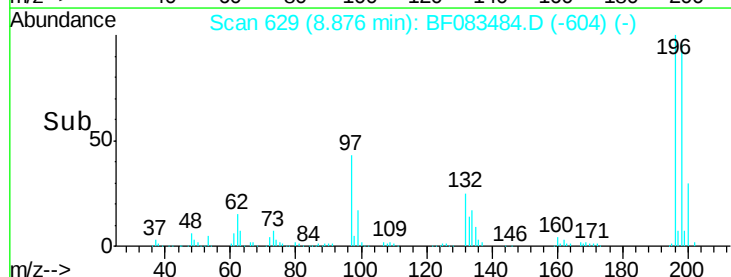


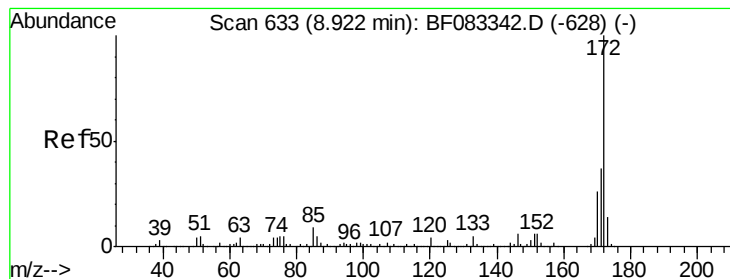
Abundance Ion 196.00 (195.70 to 196.70): E

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

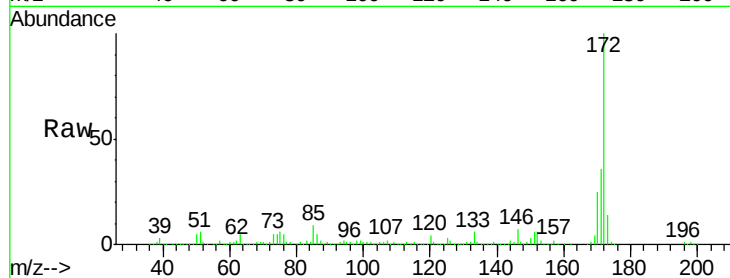




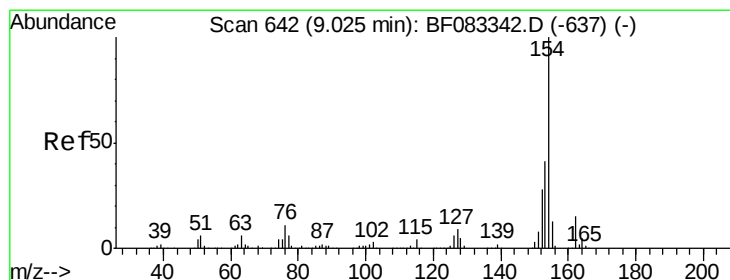
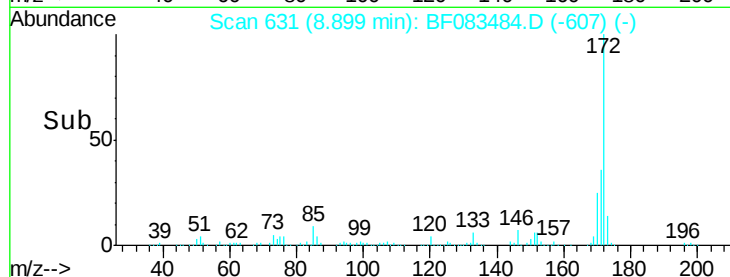
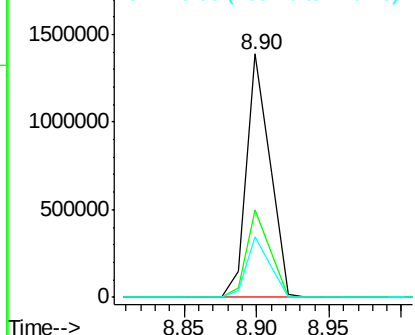
#44  
2-Fluorobiphenyl  
Concen: 75.63 ng  
RT: 8.90 min Scan# 631  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:172 Resp: 1560304  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.4 44.0  
170 24.8 20.4 30.6

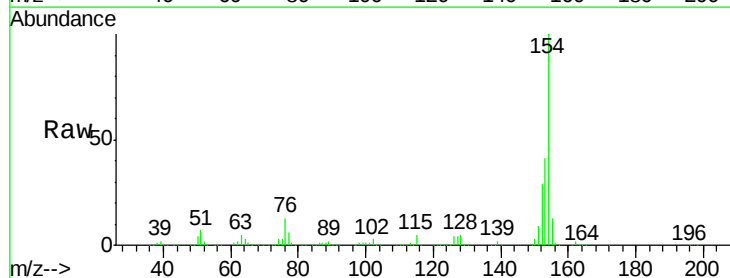


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

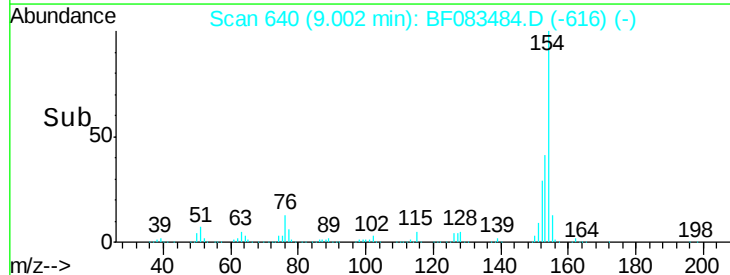
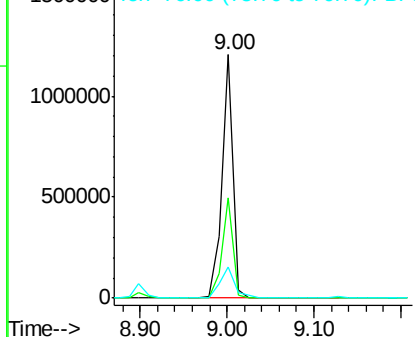


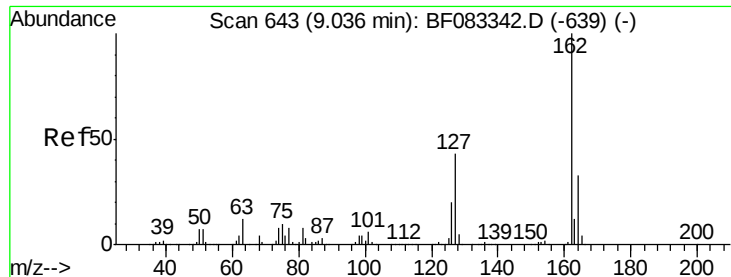
#45  
1,1'-Biphenyl  
Concen: 41.64 ng  
RT: 9.00 min Scan# 640  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:154 Resp: 1073541  
Ion Ratio Lower Upper  
154 100  
153 41.4 20.6 60.6  
76 12.9 0.0 30.5



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

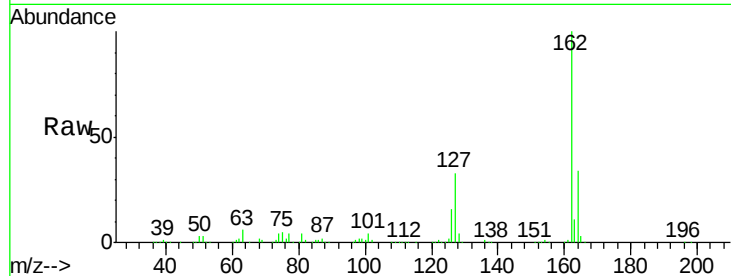




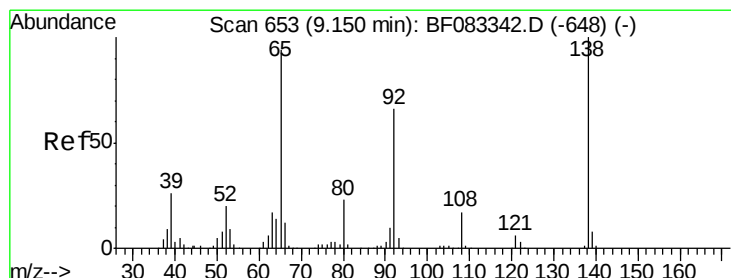
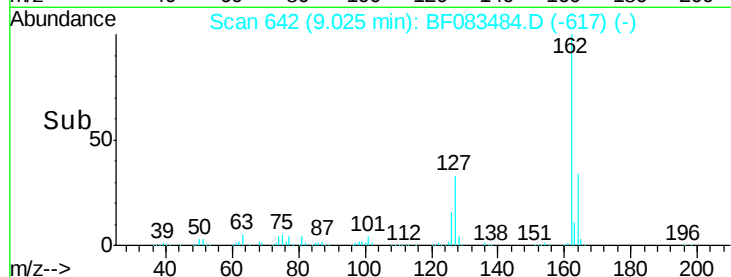
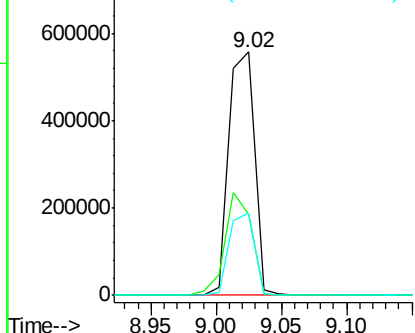
#46  
2-Chloronaphthalene  
Concen: 38.95 ng  
RT: 9.02 min Scan# 642  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:162 Resp: 765247  
Ion Ratio Lower Upper  
162 100  
127 33.4 34.1 51.1#  
164 33.8 26.6 39.8

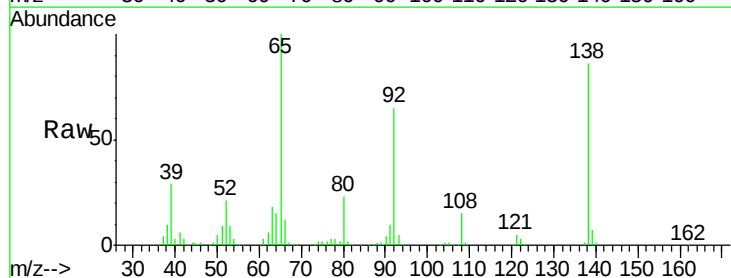


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

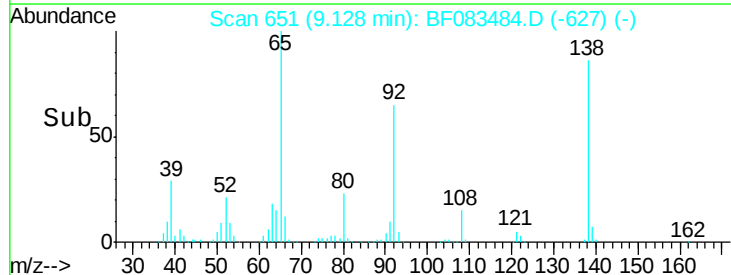
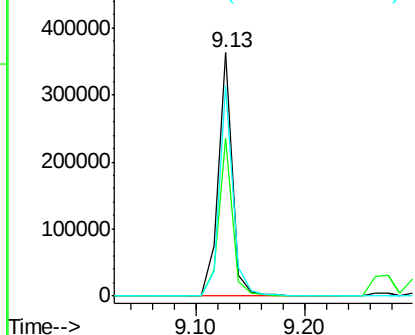


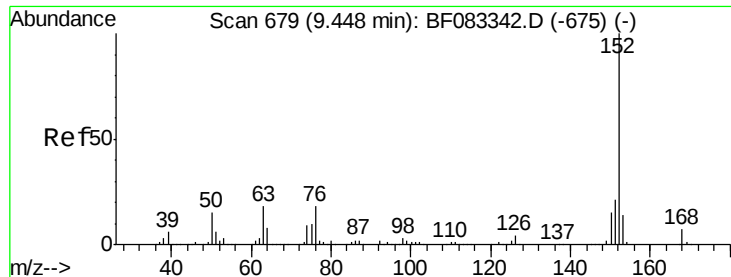
#47  
2-Nitroaniline  
Concen: 42.66 ng  
RT: 9.13 min Scan# 651  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion: 65 Resp: 331931  
Ion Ratio Lower Upper  
65 100  
92 64.6 56.2 84.4  
138 86.2 85.4 128.0



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 37.06 ng

RT: 9.42 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

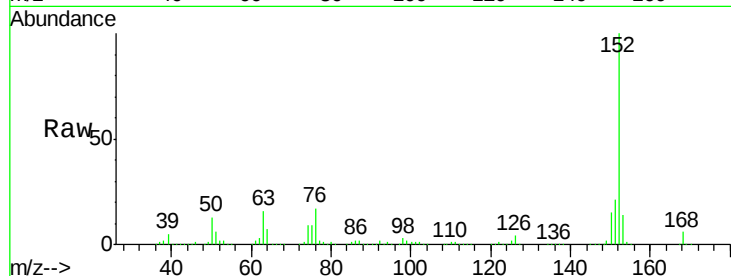
Tot Ion:152 Resp: 1161452

Ion Ratio Lower Upper

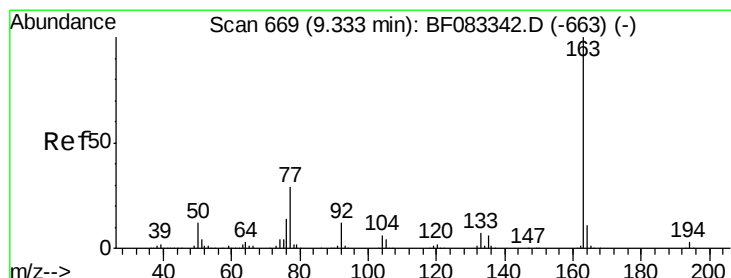
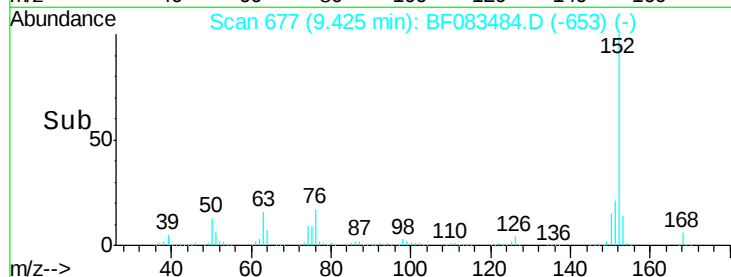
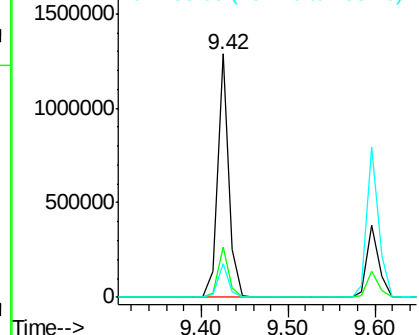
152 100

151 20.7 16.7 25.1

153 14.0 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 37.86 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

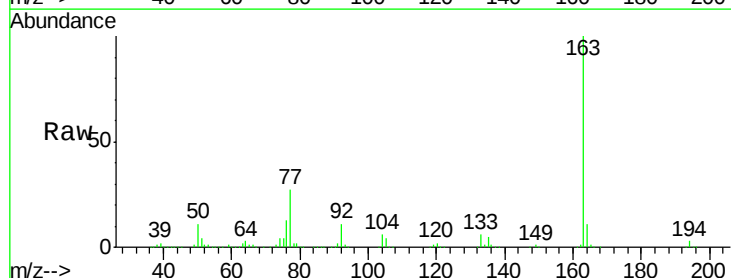
Tgt Ion:163 Resp: 904684

Ion Ratio Lower Upper

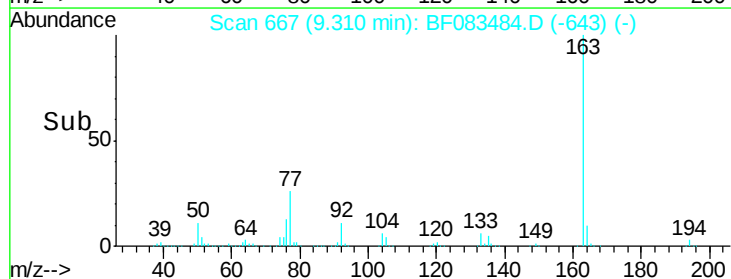
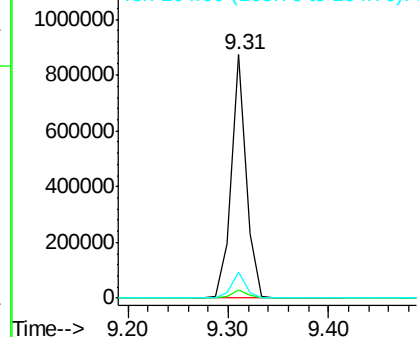
163 100

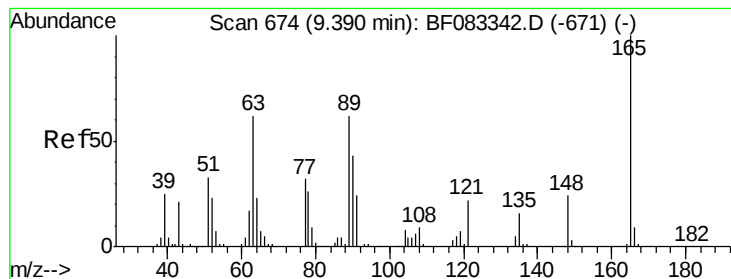
194 3.3 2.7 4.1

164 10.8 8.8 13.2



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: 34.23 ng

RT: 9.37 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

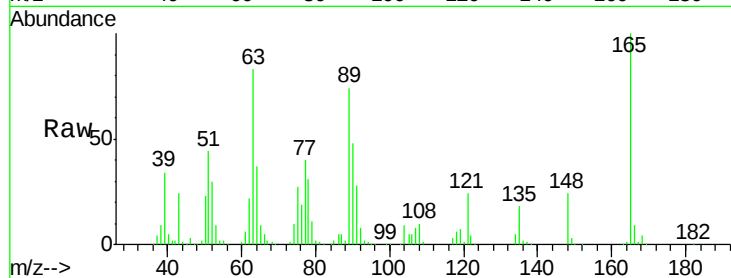
Tot Ion:165 Resp: 174651

Ion Ratio Lower Upper

165 100

63 82.9 56.0 84.0

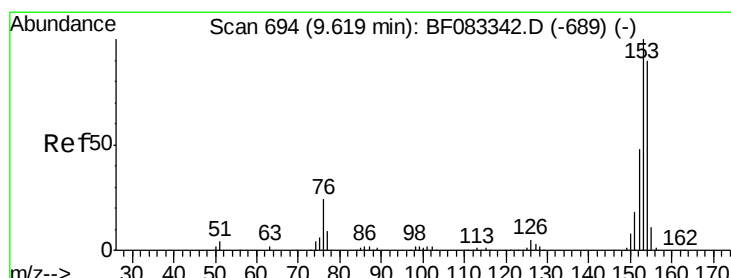
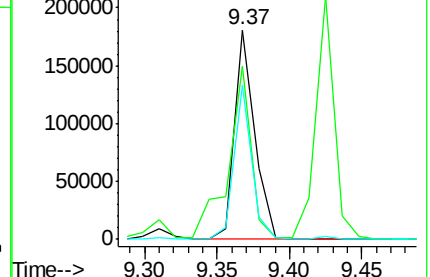
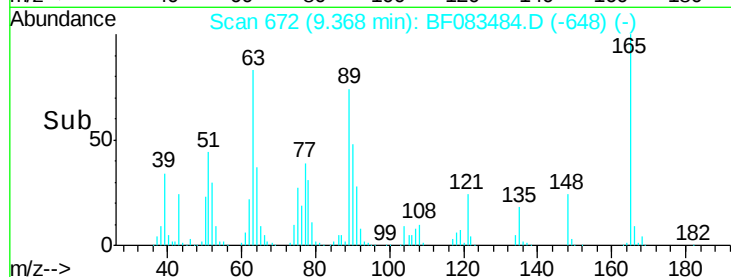
89 73.7 49.8 74.8



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: 35.56 ng

RT: 9.60 min Scan# 692

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

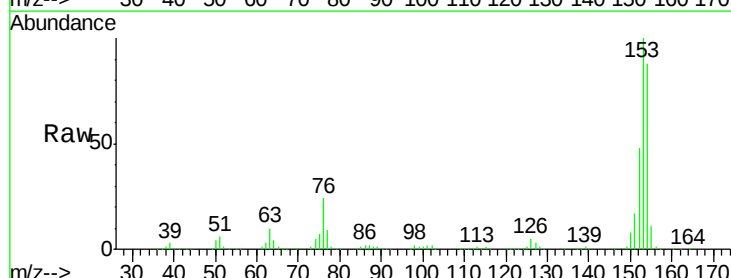
Tgt Ion:154 Resp: 655453

Ion Ratio Lower Upper

154 100

153 113.4 89.3 133.9

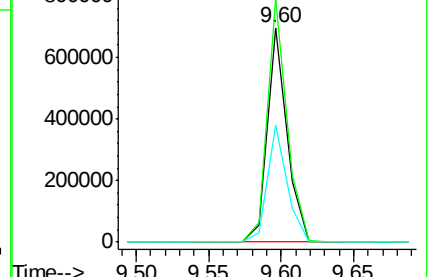
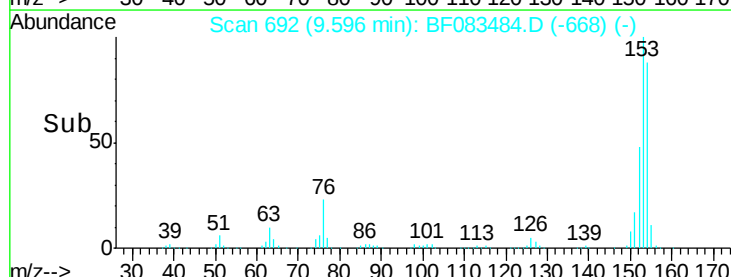
152 54.4 42.5 63.7

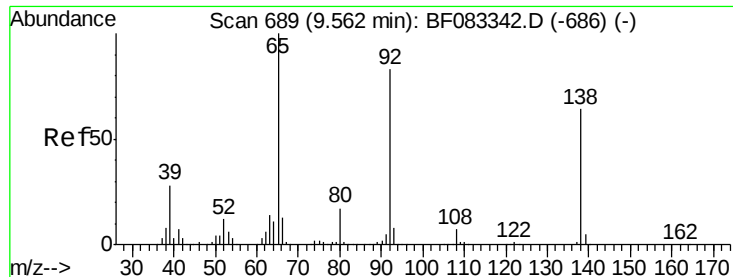


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 40.08 ng

RT: 9.54 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

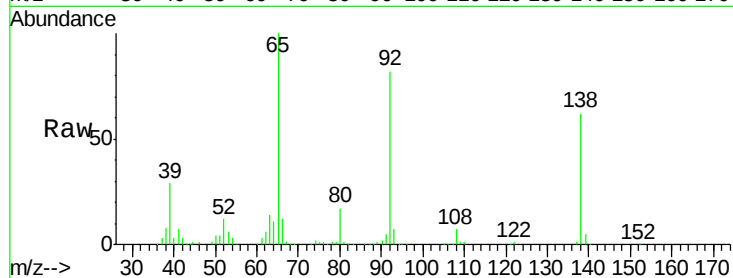
Tot Ion:138 Resp: 239670

Ion Ratio Lower Upper

138 100

108 11.0 8.4 12.6

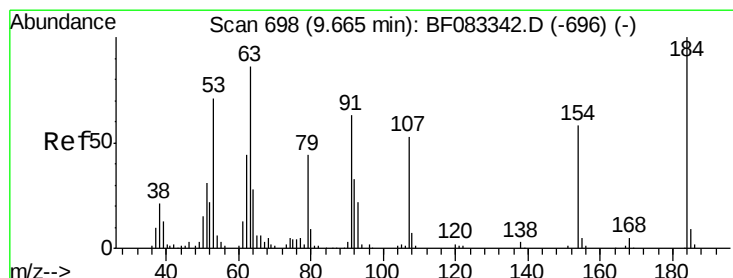
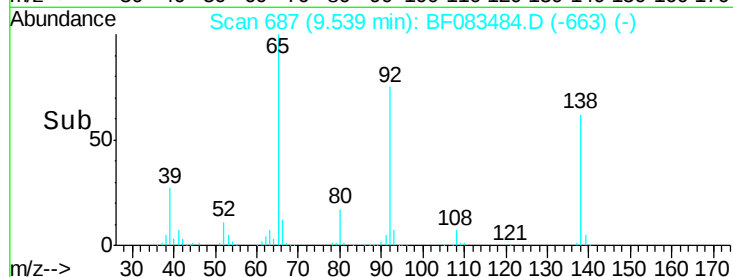
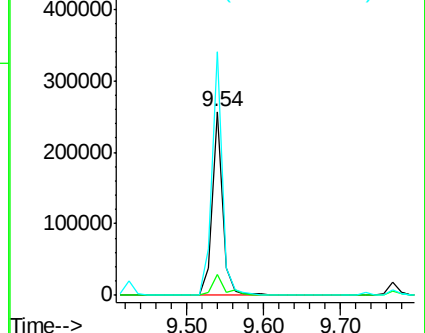
92 132.6 104.2 156.4



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: 4.23 ng

RT: 9.66 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

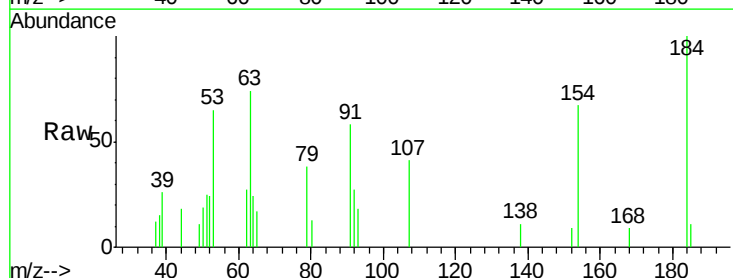
Tgt Ion:184 Resp: 7637

Ion Ratio Lower Upper

184 100

63 74.1 69.0 103.6

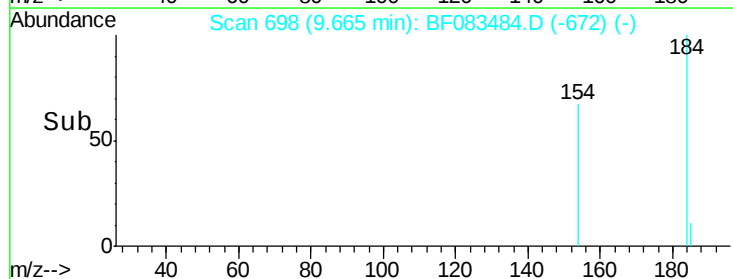
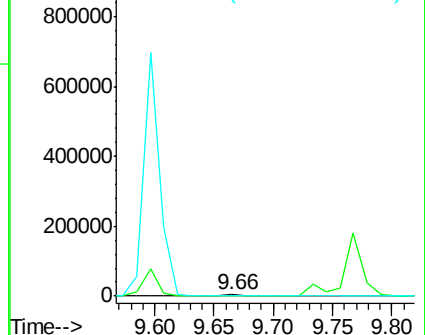
154 67.3 50.0 75.0

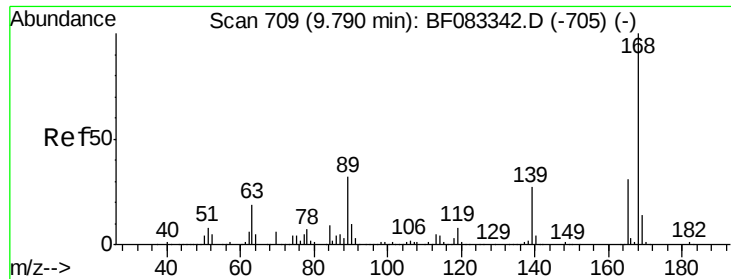


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

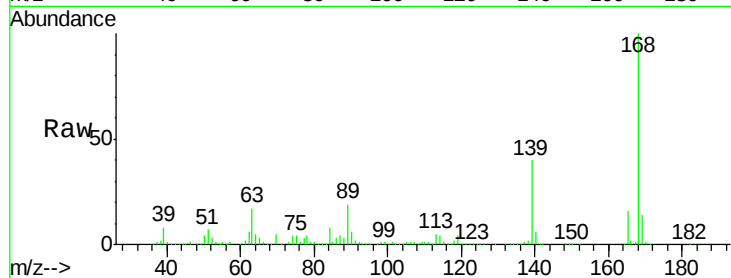




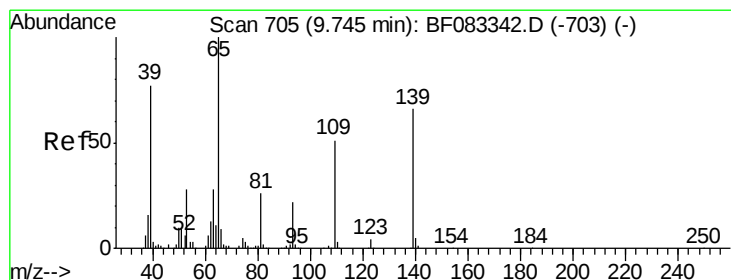
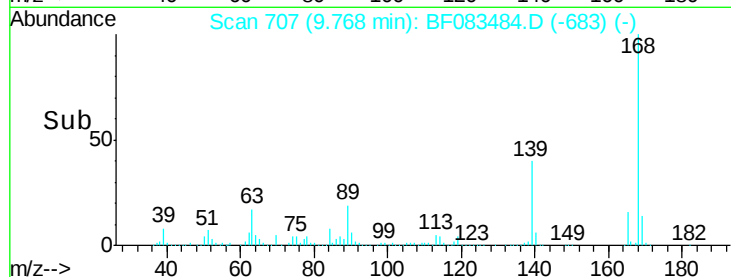
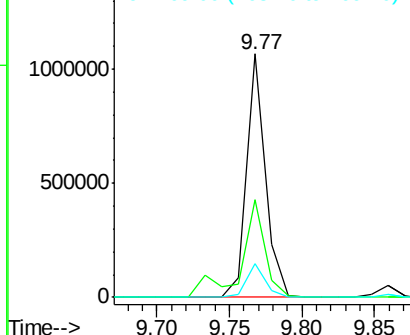
#54  
Dibenzofuran  
Concen: 35.59 ng  
RT: 9.77 min Scan# 707  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 168     | 100  |       |       |       |
| 139     | 40.0 | 32.7  | 49.1  |       |
| 169     | 14.0 | 11.1  | 16.7  |       |

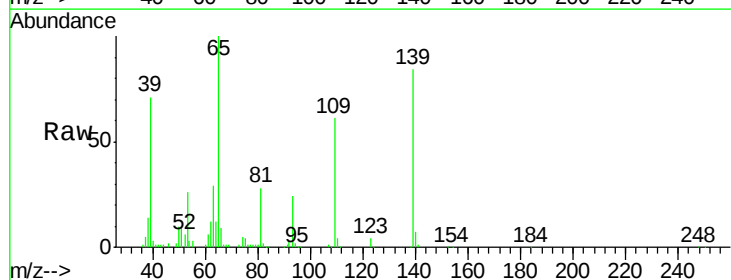


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

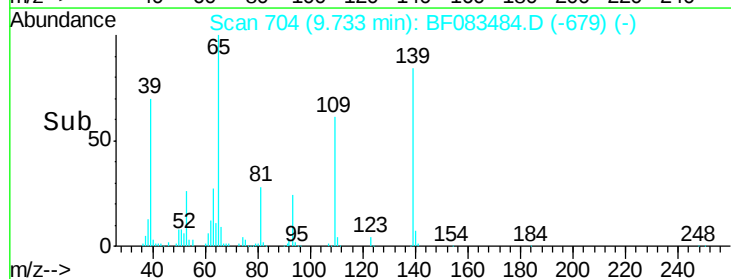
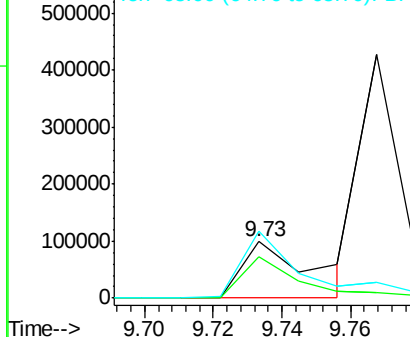


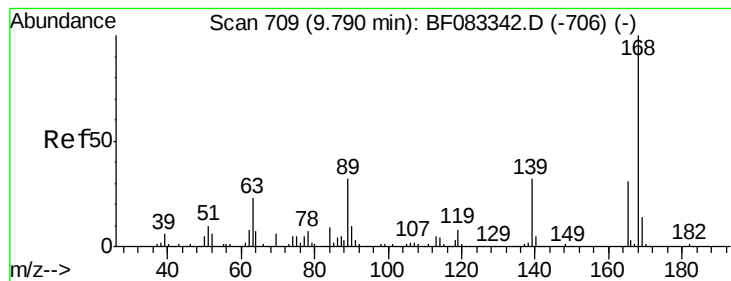
#55  
4-Nitrophenol  
Concen: 37.32 ng m  
RT: 9.73 min Scan# 704  
Delta R.T. -0.01 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   |       |       |       |
| 109     | 72.4  | 57.4  | 97.4  |       |
| 65      | 118.8 | 131.6 | 171.6 |       |



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





#56

2,4-Dinitrotoluene

Concen: 32.62 ng

RT: 9.77 min Scan# 707

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:165 Resp: 211163

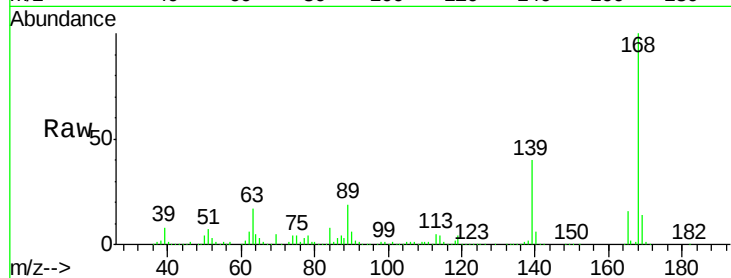
Ion Ratio Lower Upper

165 100

63 108.0 65.4 98.0#

89 119.9 81.2 121.8

182 2.2 1.8 2.8

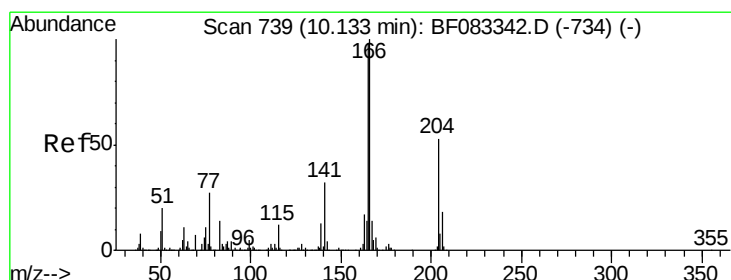
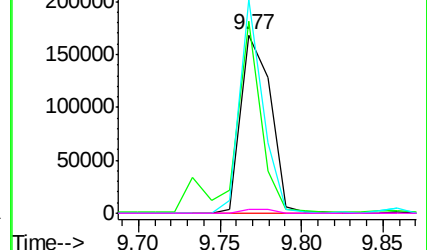
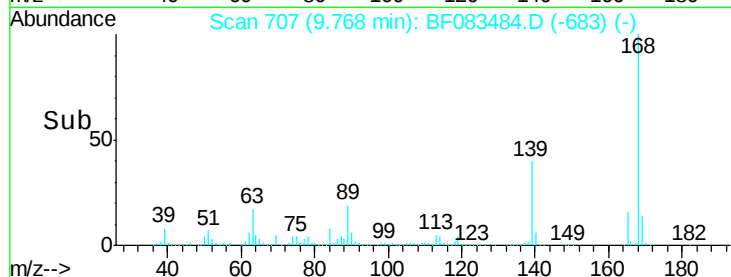


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 37.10 ng

RT: 10.11 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

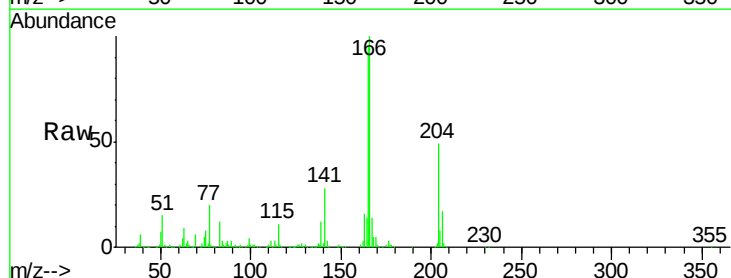
Tgt Ion:166 Resp: 791391

Ion Ratio Lower Upper

166 100

165 96.2 78.3 117.5

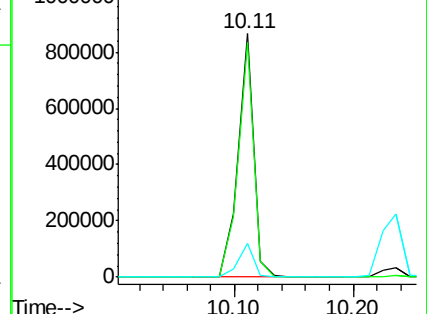
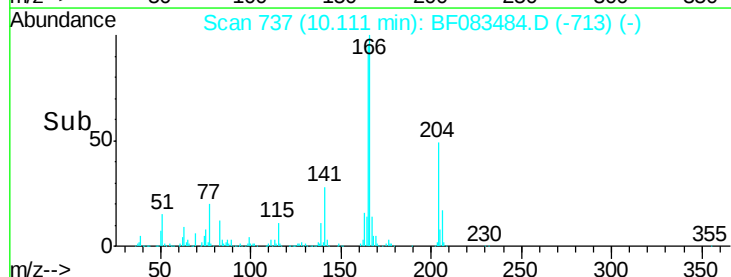
167 13.7 11.1 16.7

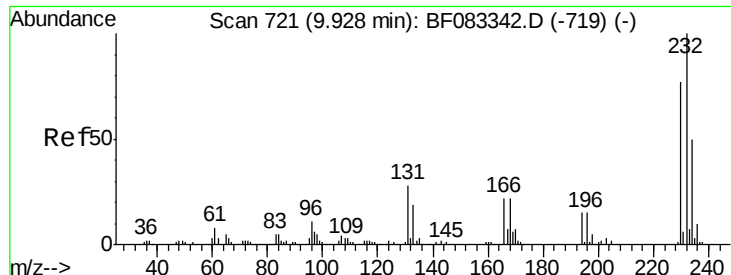


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

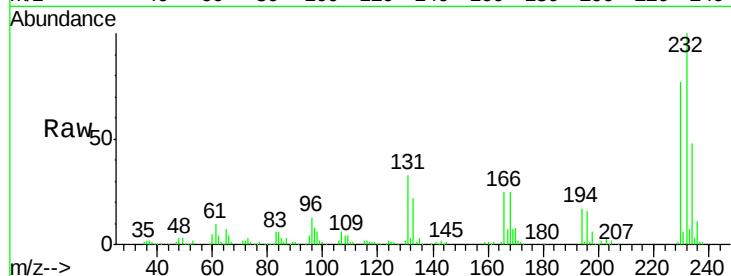




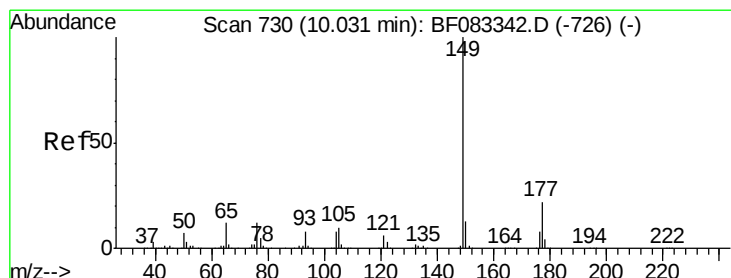
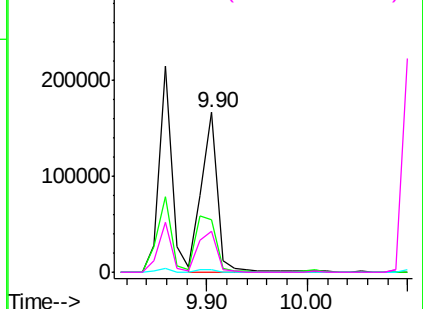
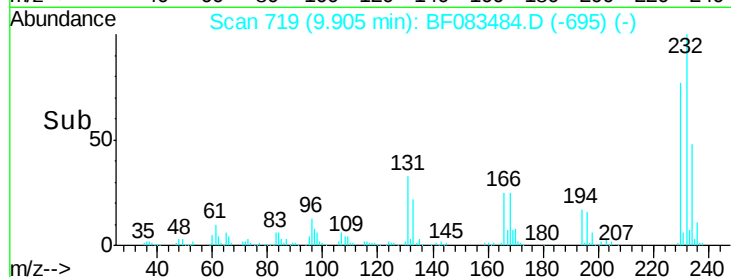
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 33.71 ng  
 RT: 9.90 min Scan# 719  
 Delta R.T. -0.02 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:232 | Resp: | 184209    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 45.1  | 35.4 53.2 |
| 130         | 2.2   | 1.7 2.5   |
| 166         | 29.9  | 23.3 34.9 |

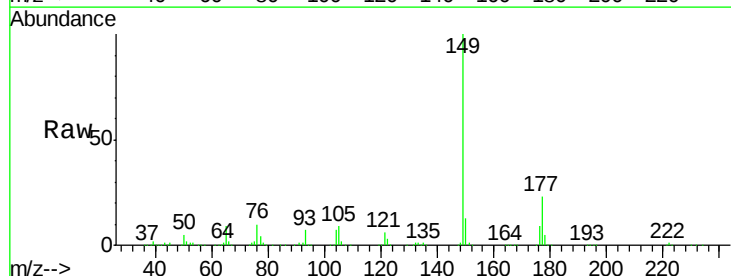


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

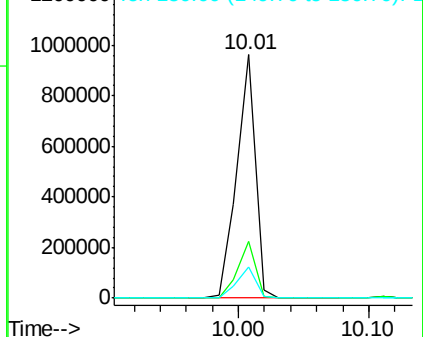
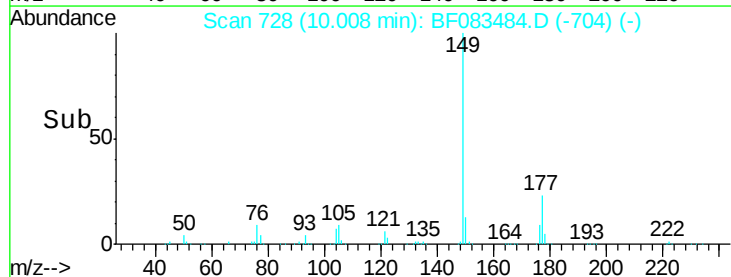


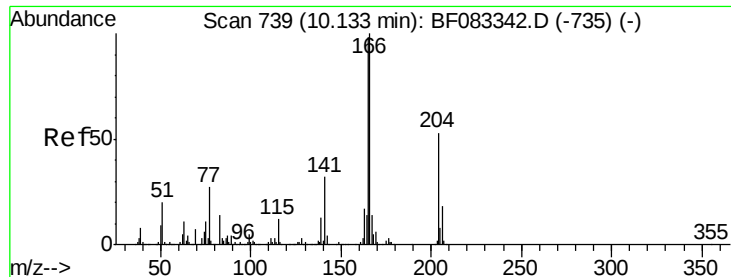
#59  
 Diethylphthalate  
 Concen: 41.66 ng  
 RT: 10.01 min Scan# 728  
 Delta R.T. -0.02 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 948691    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 23.5  | 17.4 26.2 |
| 150         | 12.7  | 10.4 15.6 |



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

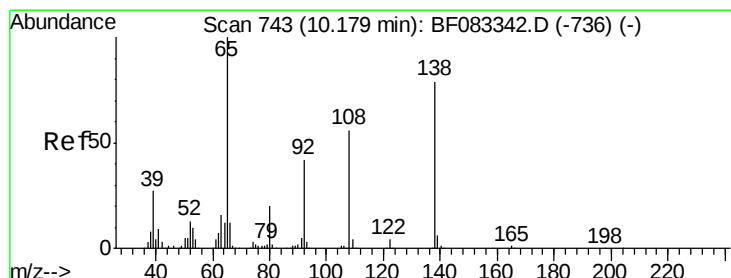
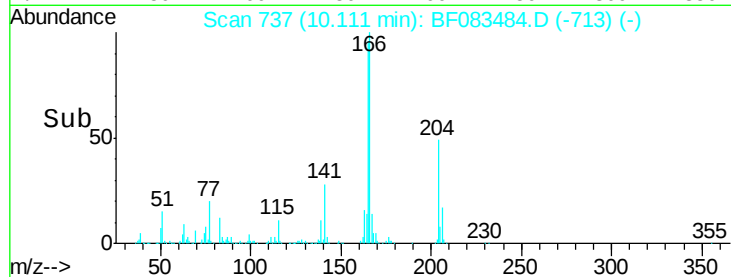
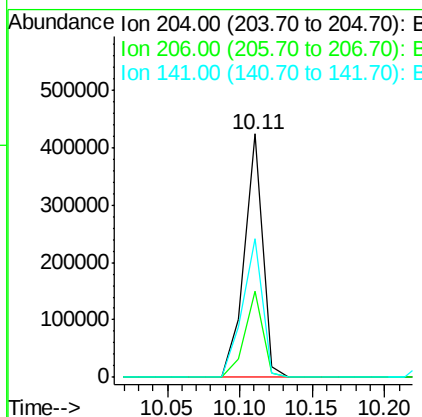
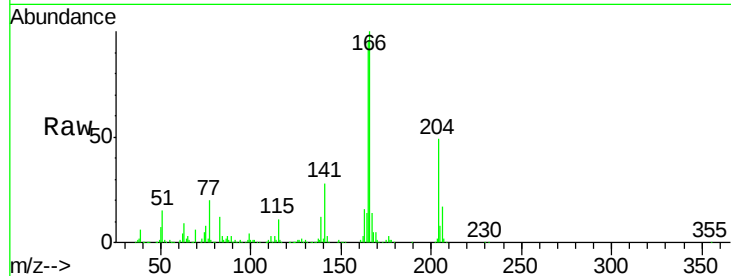




#60  
4-Chlorophenyl-phenylether  
Concen: 38.25 ng  
RT: 10.11 min Scan# 737  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

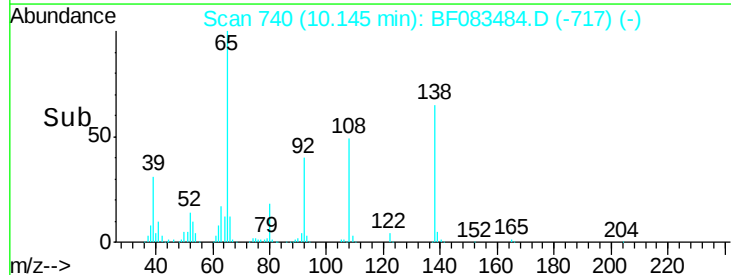
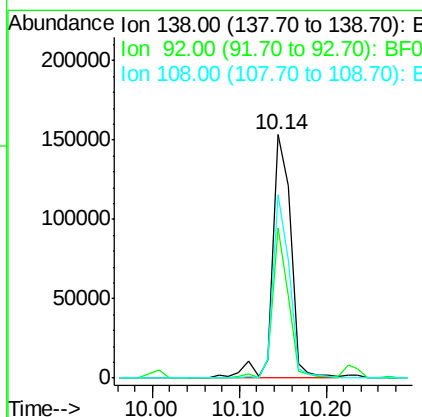
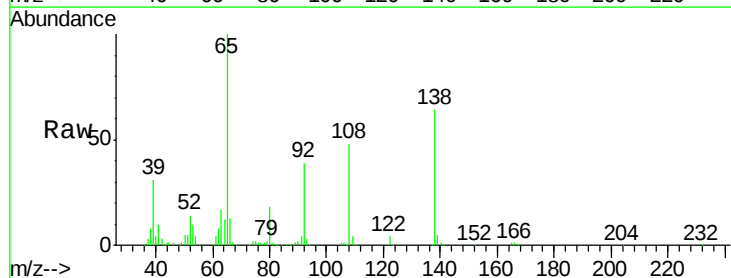
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

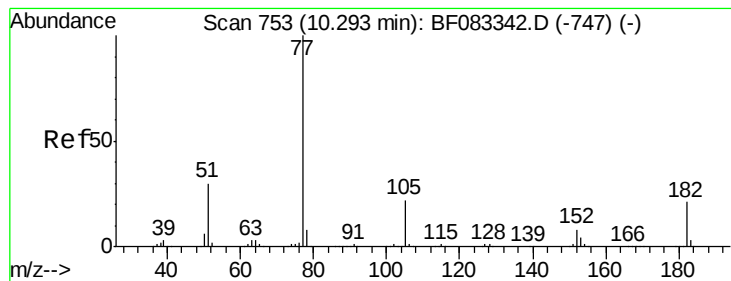
Tot Ion:204 Resp: 374919  
Ion Ratio Lower Upper  
204 100  
206 35.4 27.5 41.3  
141 57.1 48.1 72.1



#61  
4-Nitroaniline  
Concen: 37.07 ng  
RT: 10.14 min Scan# 740  
Delta R.T. -0.03 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:138 Resp: 221840  
Ion Ratio Lower Upper  
138 100  
92 61.6 33.6 73.6  
108 75.3 51.0 91.0





#62

Azobenzene

Concen: 35.83 ng

RT: 10.27 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion: 77 Resp: 985690

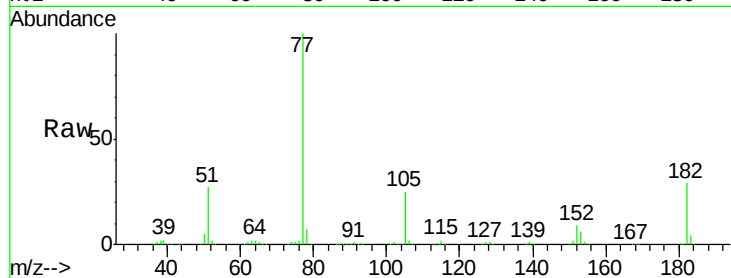
Ion Ratio Lower Upper

77 100

182 29.0 0.8 40.8

105 24.6 2.3 42.3

51 27.2 10.6 50.6

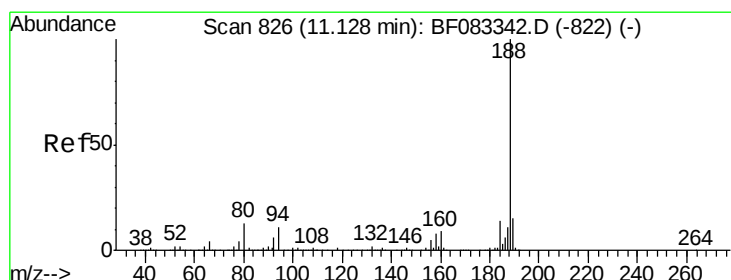
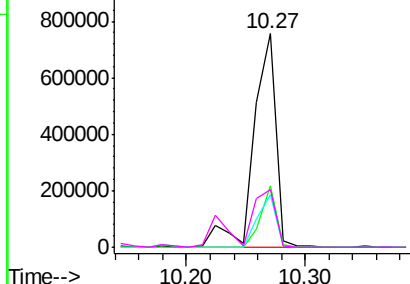
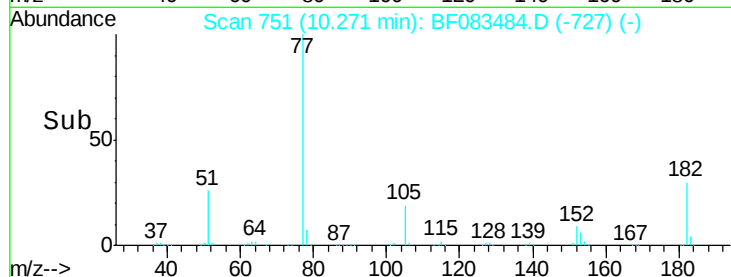


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

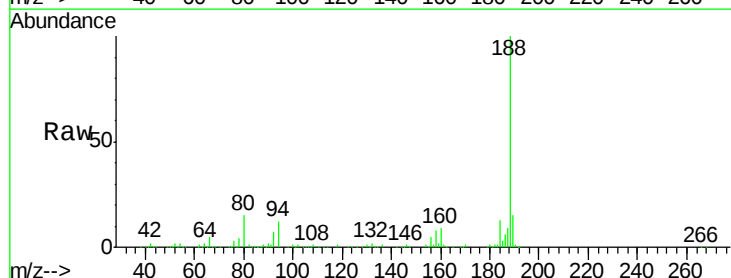
Tgt Ion: 188 Resp: 484517

Ion Ratio Lower Upper

188 100

94 12.4 8.7 13.1

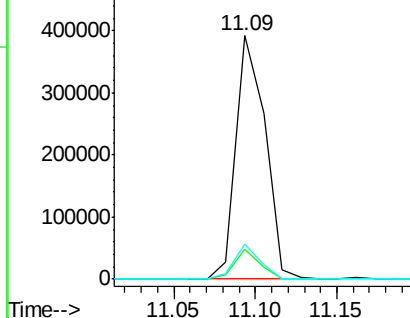
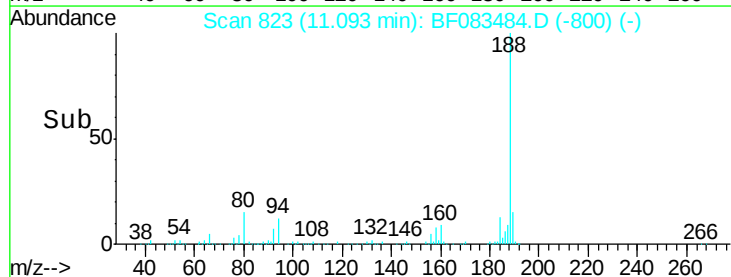
80 14.6 10.3 15.5

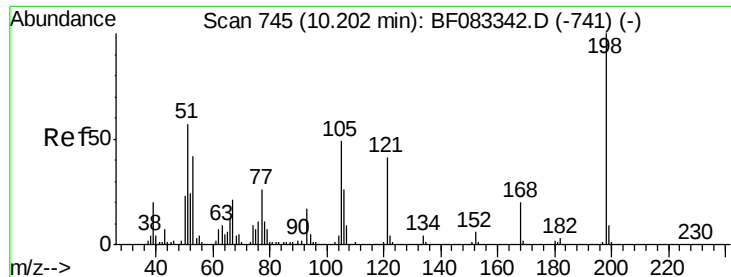


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.38 ng

RT: 10.18 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

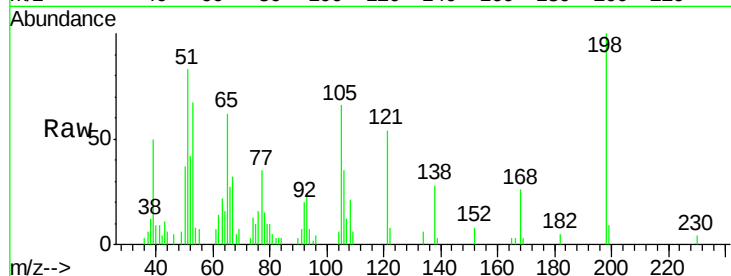
Tot Ion:198 Resp: 17497

Ion Ratio Lower Upper

198 100

51 82.8 38.3 78.3#

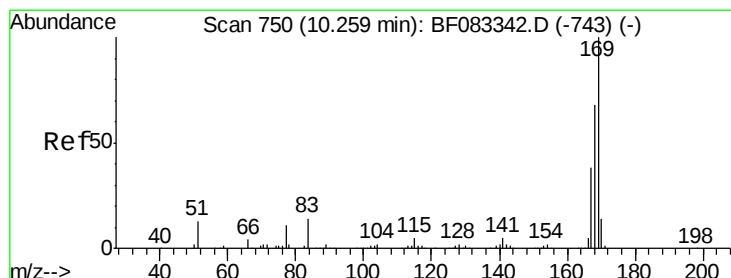
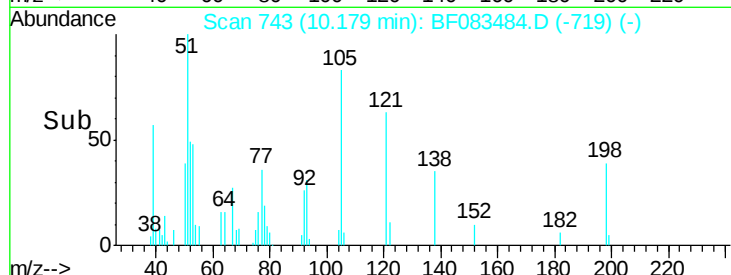
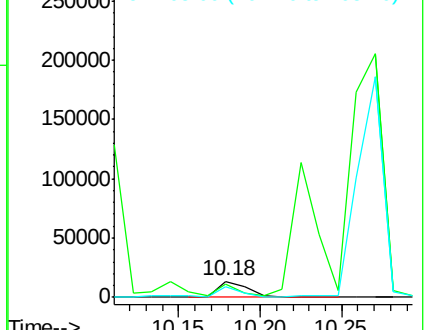
105 65.8 29.2 69.2



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 43.27 ng

RT: 10.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

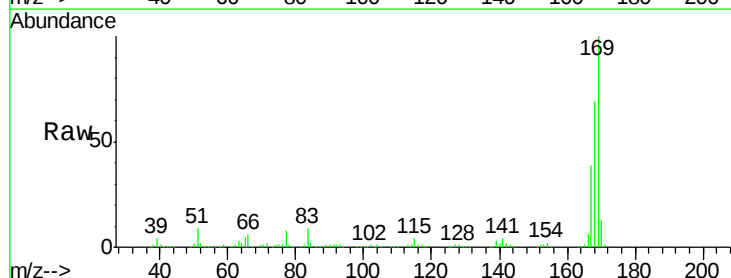
Tgt Ion:169 Resp: 736659

Ion Ratio Lower Upper

169 100

168 68.6 54.8 82.2

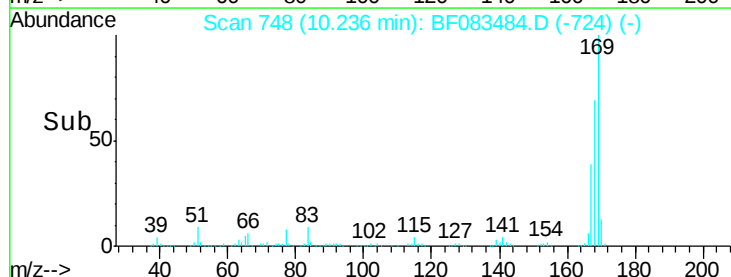
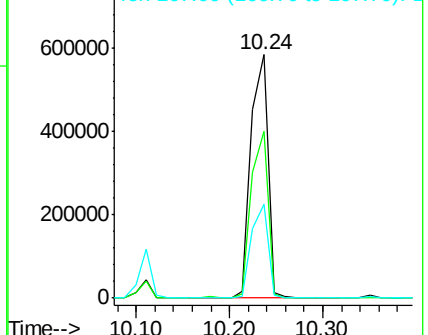
167 38.6 30.2 45.2

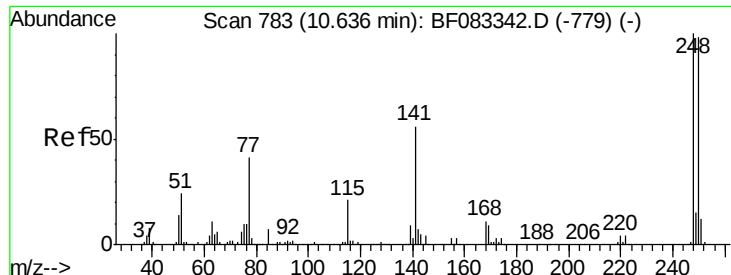


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

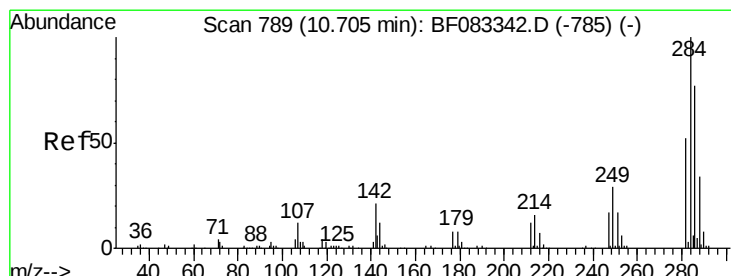
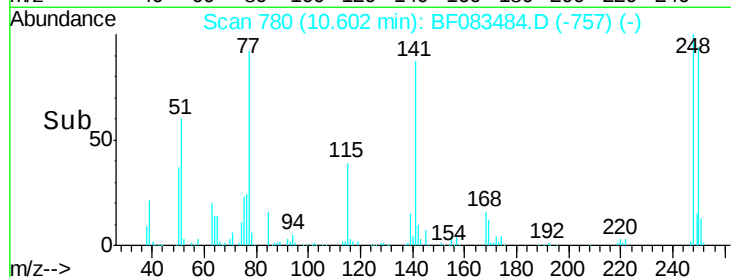
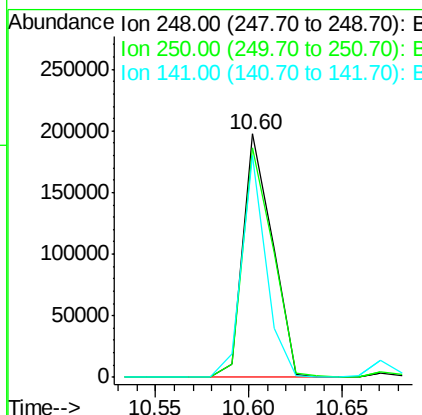
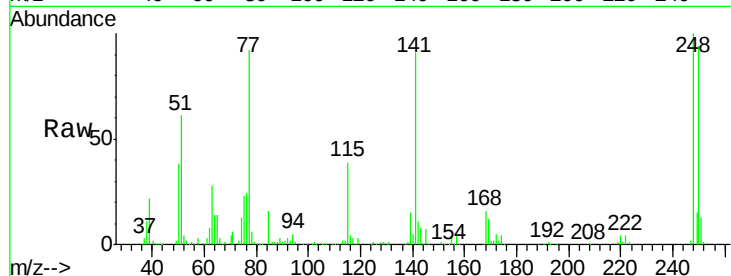




#66  
4-Bromophenyl-phenylether  
Concen: 40.95 ng  
RT: 10.60 min Scan# 780  
Delta R.T. -0.03 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

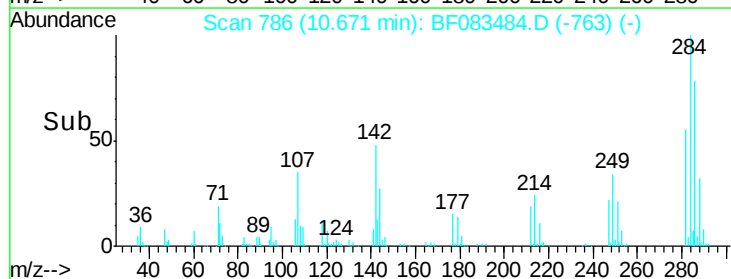
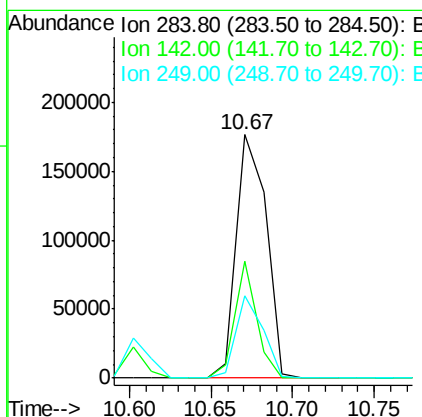
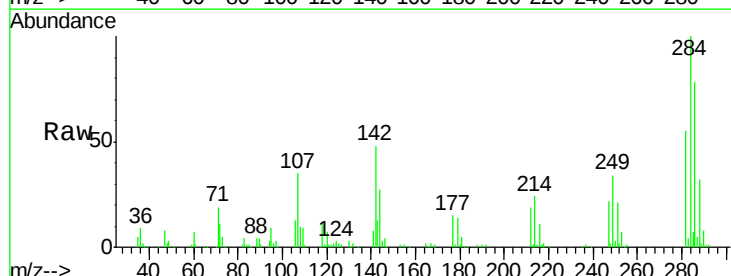
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

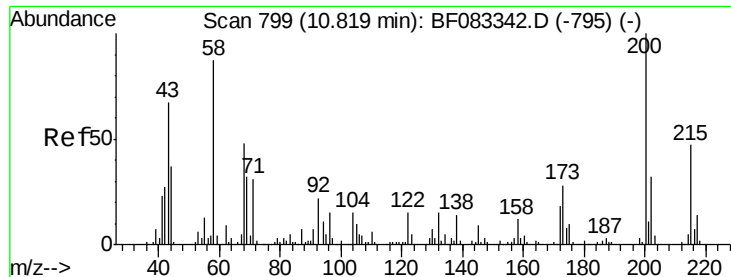
Tot Ion:248 Resp: 217055  
Ion Ratio Lower Upper  
248 100  
250 94.3 78.6 118.0  
141 91.4 44.4 66.6#



#67  
Hexachlorobenzene  
Concen: 38.11 ng  
RT: 10.67 min Scan# 786  
Delta R.T. -0.03 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:284 Resp: 223324  
Ion Ratio Lower Upper  
284 100  
142 47.9 16.6 24.8#  
249 33.9 23.0 34.4

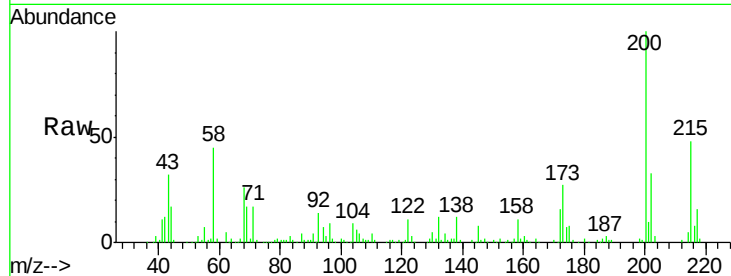




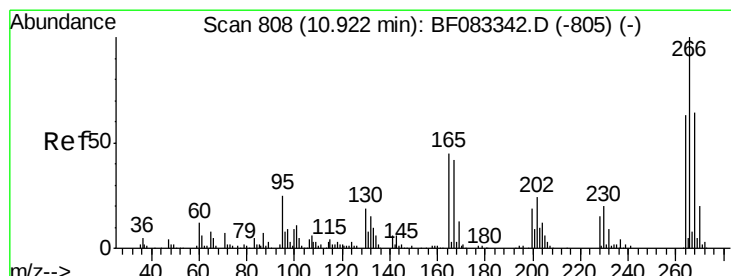
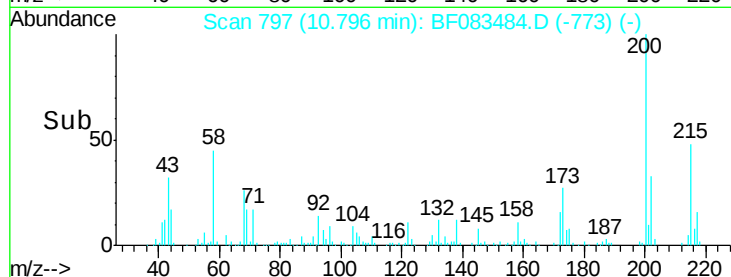
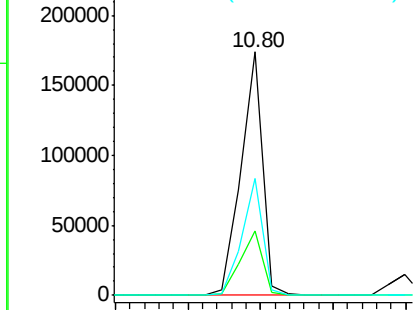
#68  
Atrazine  
Concen: 38.15 ng  
RT: 10.80 min Scan# 797  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:200 Resp: 179672  
Ion Ratio Lower Upper  
200 100  
173 26.7 8.3 48.3  
215 48.1 26.7 66.7

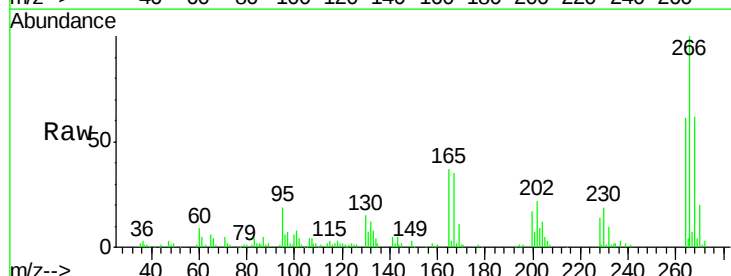


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

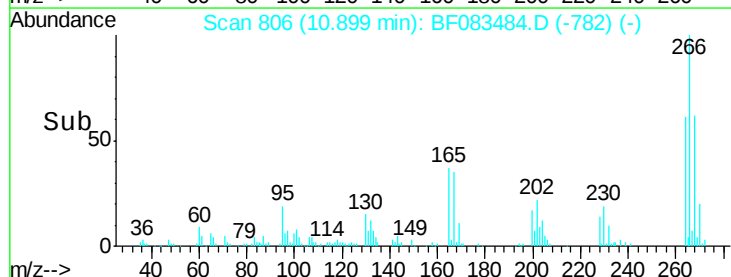
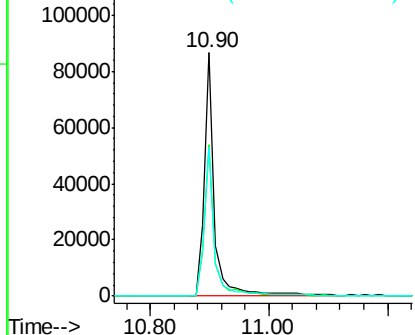


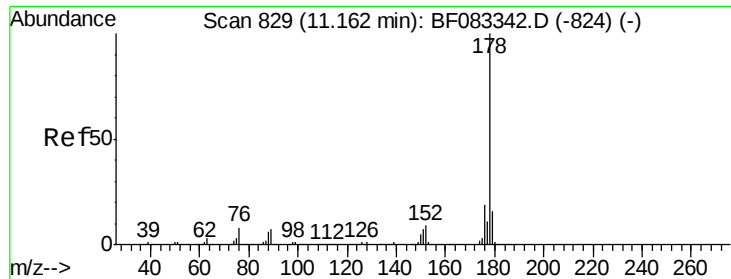
#69  
Pentachlorophenol  
Concen: 34.77 ng  
RT: 10.90 min Scan# 806  
Delta R.T. -0.02 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:266 Resp: 106725  
Ion Ratio Lower Upper  
266 100  
268 62.4 51.5 77.3  
264 61.2 50.4 75.6



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

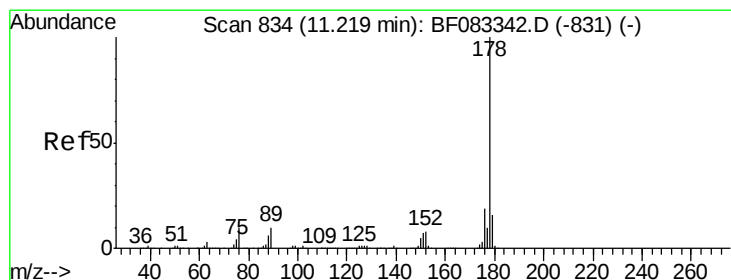
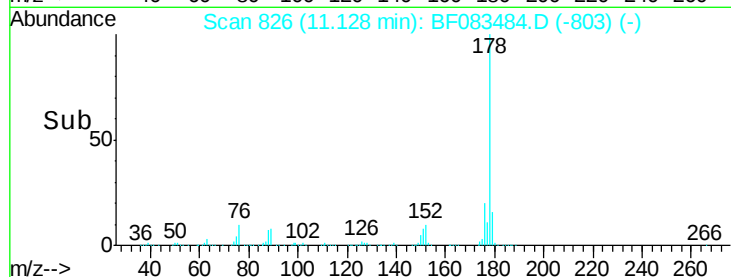
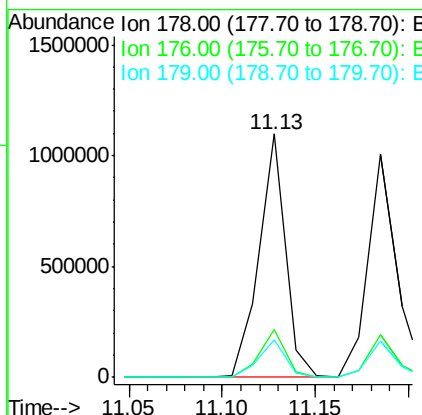
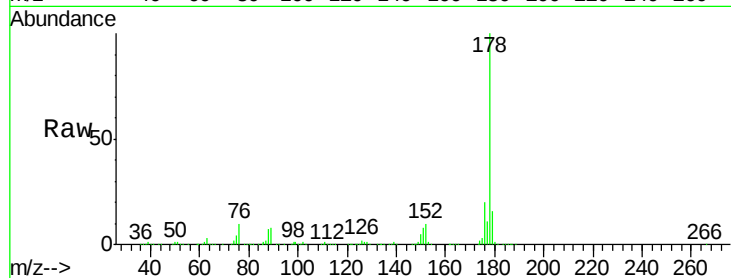




#70  
Phenanthrene  
Concen: 37.69 ng  
RT: 11.13 min Scan# 826  
Delta R.T. -0.03 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

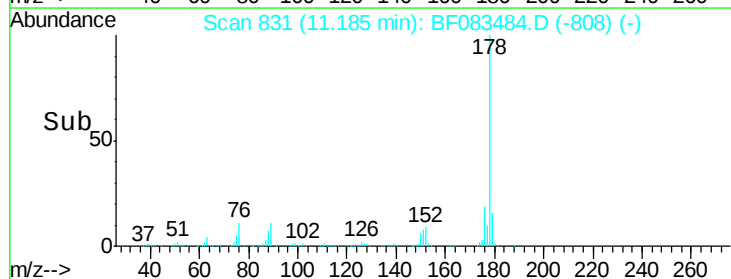
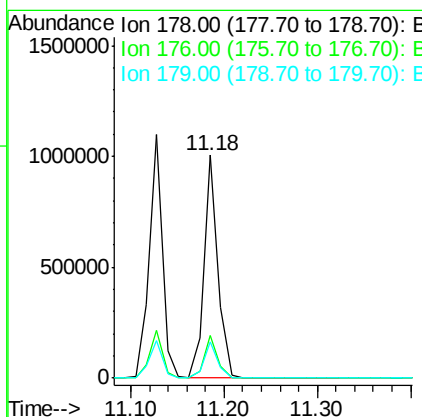
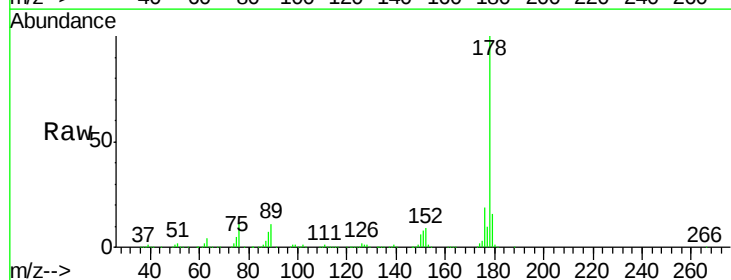
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

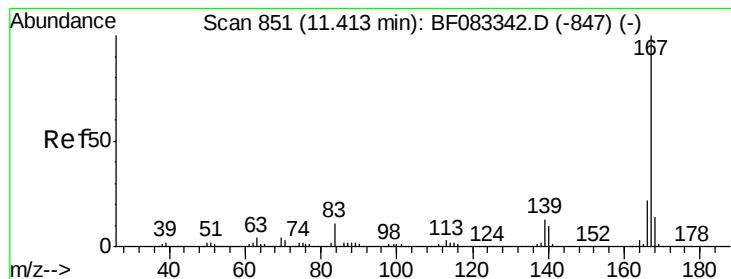
Tot Ion:178 Resp: 1080723  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.3 22.9  
179 15.6 12.4 18.6



#71  
Anthracene  
Concen: 36.39 ng  
RT: 11.18 min Scan# 831  
Delta R.T. -0.03 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:178 Resp: 1050533  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.6 23.4  
179 16.1 12.8 19.2





#72

Carbazole

Concen: 36.23 ng

RT: 11.38 min Scan# 848

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

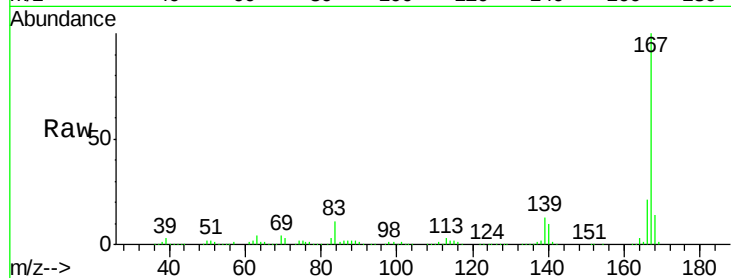
Tot Ion:167 Resp: 939673

Ion Ratio Lower Upper

167 100

166 21.3 17.4 26.0

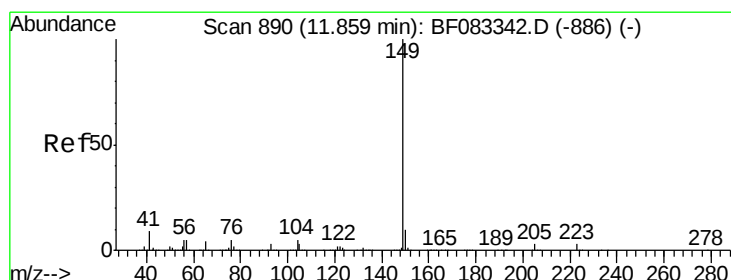
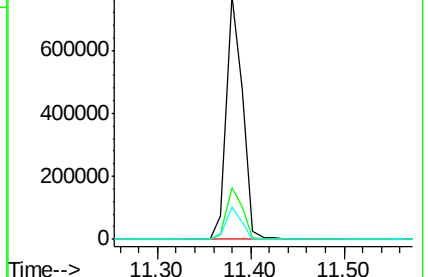
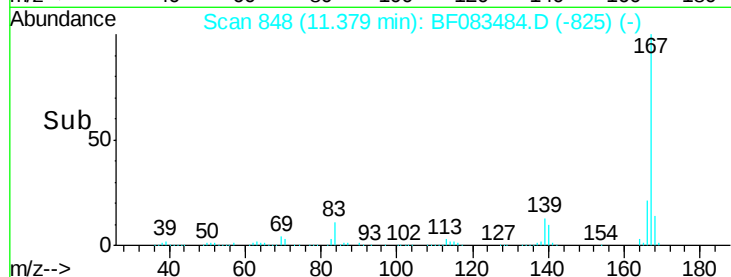
139 13.1 10.5 15.7



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: 43.47 ng

RT: 11.82 min Scan# 887

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

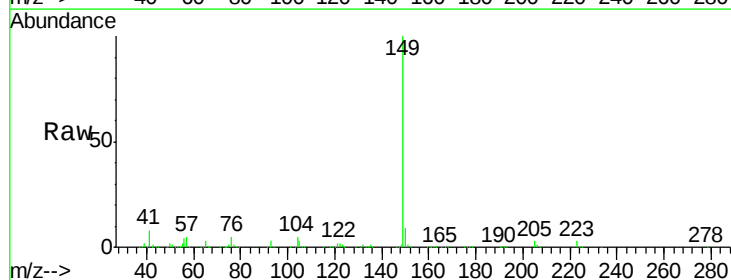
Tgt Ion:149 Resp: 1336051

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

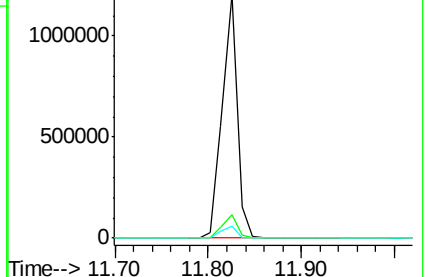
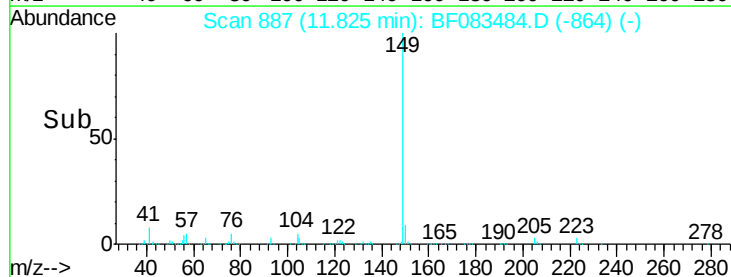
104 4.8 4.0 6.0

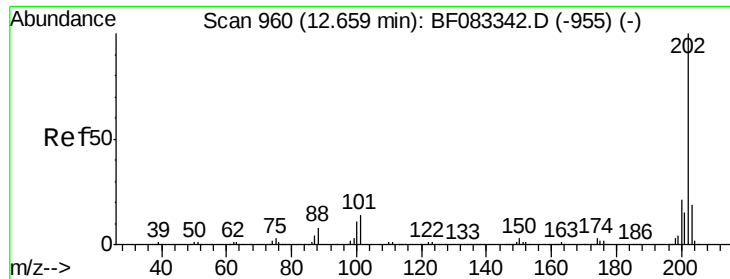


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

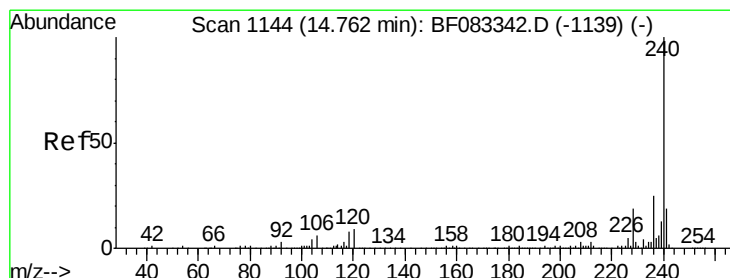
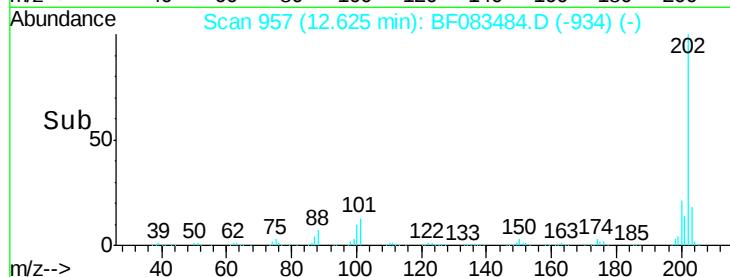
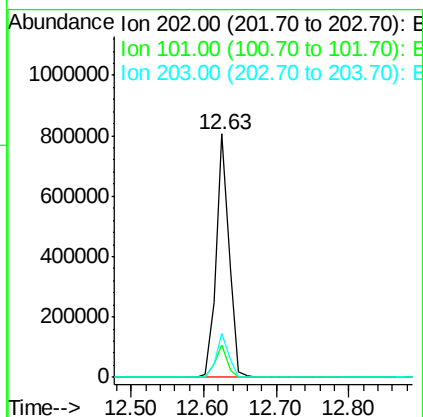
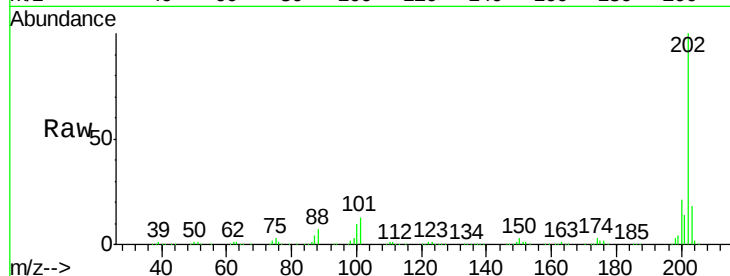




#74  
**Fluoranthene**  
 Concen: 33.20 ng  
 RT: 12.63 min Scan# 957  
 Delta R.T. -0.03 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

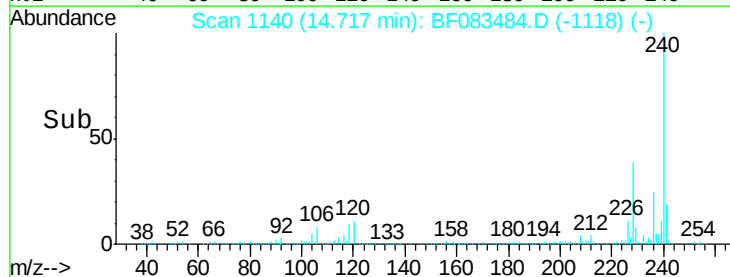
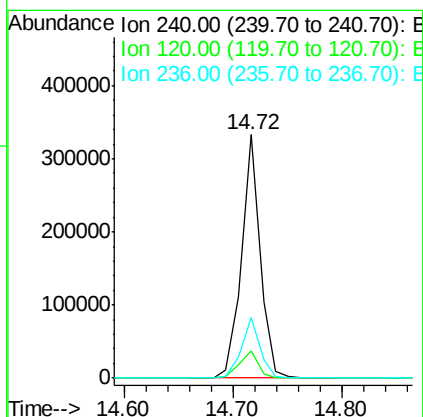
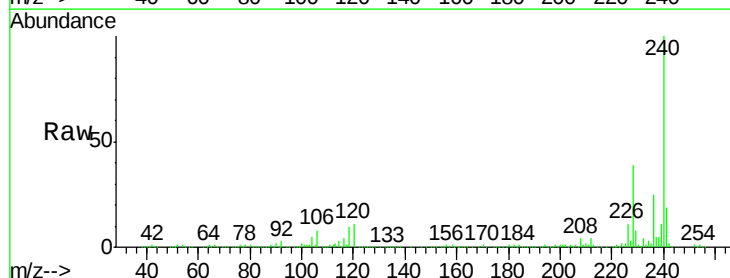
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

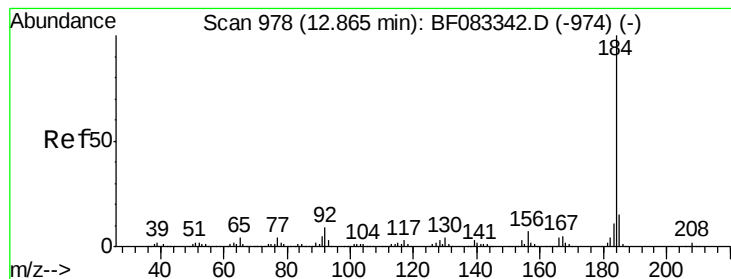
Tot Ion:202 Resp: 986667  
 Ion Ratio Lower Upper  
 202 100  
 101 13.5 0.0 34.5  
 203 18.0 0.0 38.7



#75  
**Chrysene-d12**  
 Concen: 20.00 ng  
 RT: 14.72 min Scan# 1140  
 Delta R.T. -0.05 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Tgt Ion:240 Resp: 391796  
 Ion Ratio Lower Upper  
 240 100  
 120 11.1 6.9 10.3#  
 236 25.0 19.8 29.6





#76

Benzidine

Concen: 47.07 ng

RT: 12.83 min Scan# 975

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

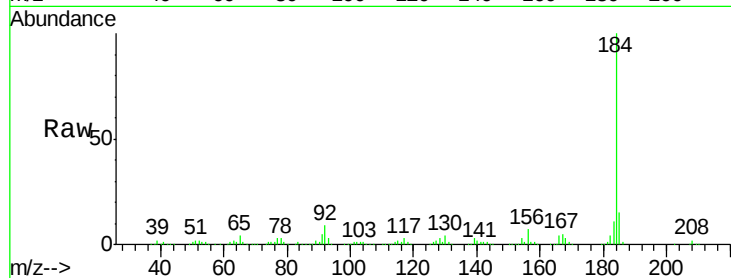
Tot Ion:184 Resp: 549285

Ion Ratio Lower Upper

184 100

185 14.8 12.4 18.6

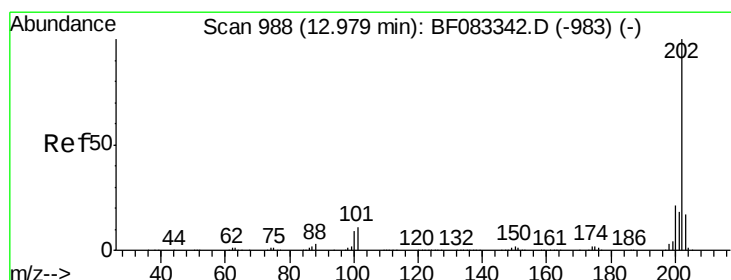
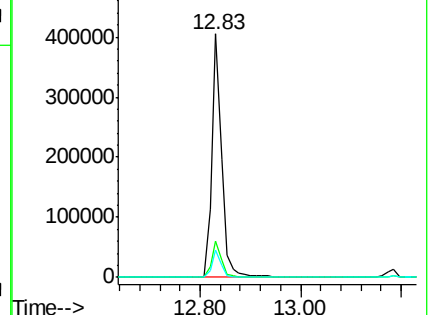
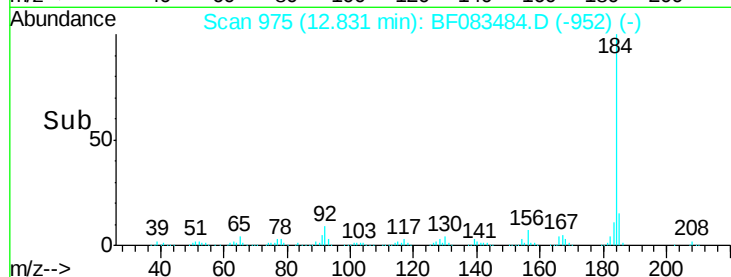
183 11.4 9.0 13.4



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

Pyrene

Concen: 36.36 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

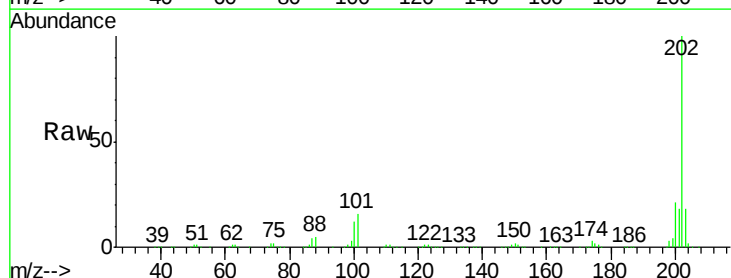
Tgt Ion:202 Resp: 994891

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

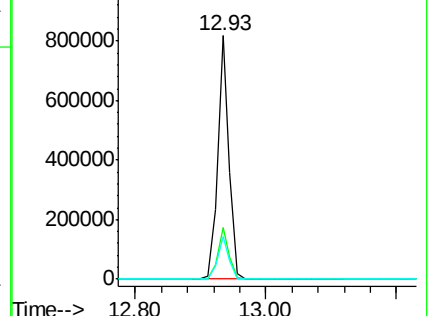
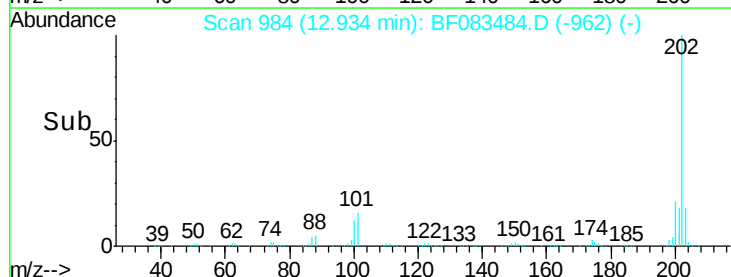
203 17.5 13.9 20.9

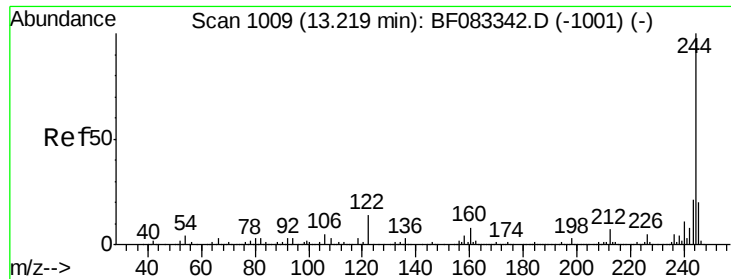


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

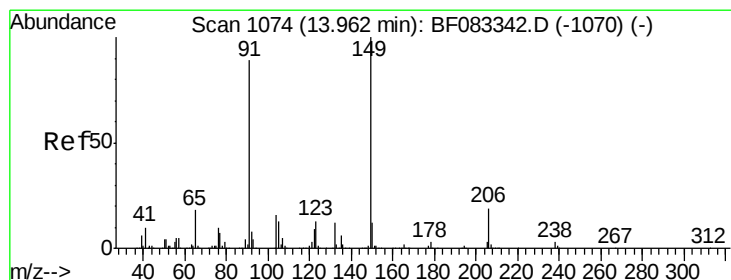
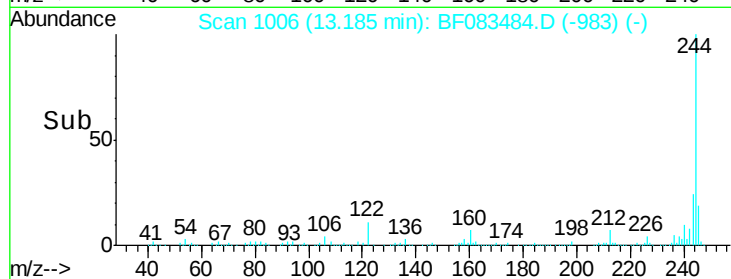
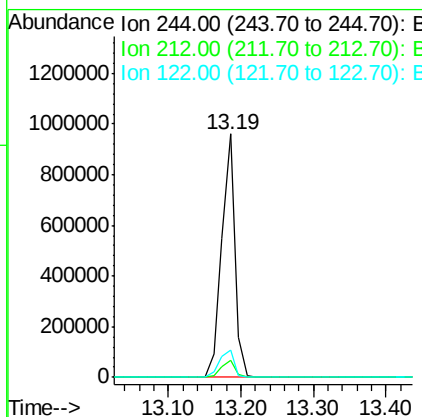
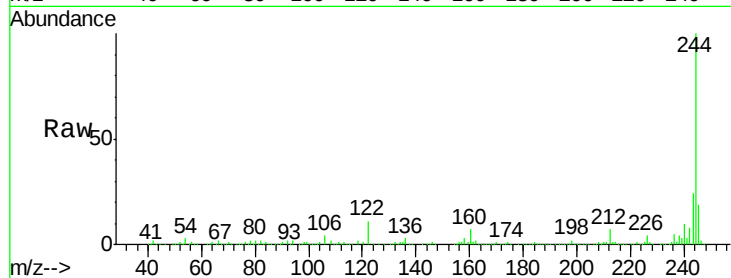




#78  
 Terphenyl-d14  
 Concen: 74.23 ng  
 RT: 13.19 min Scan# 1006  
 Delta R.T. -0.03 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

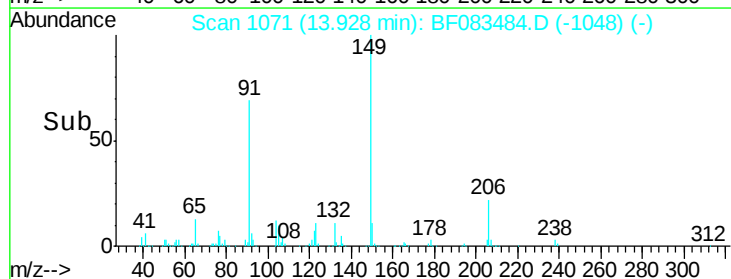
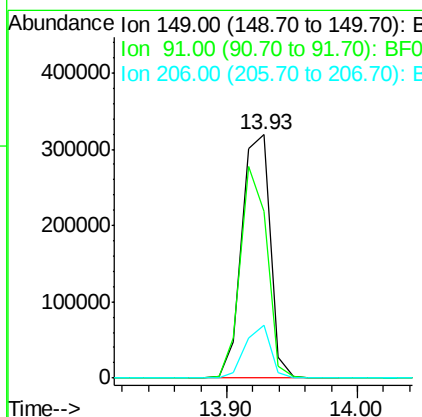
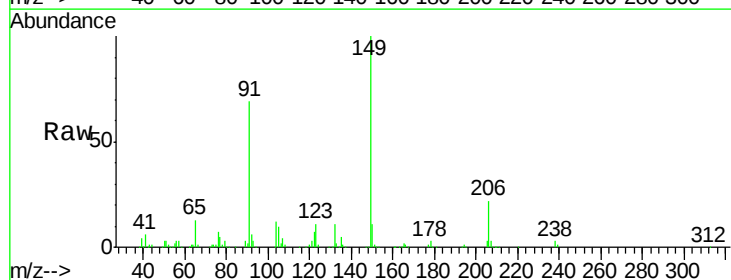
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTCCCC040

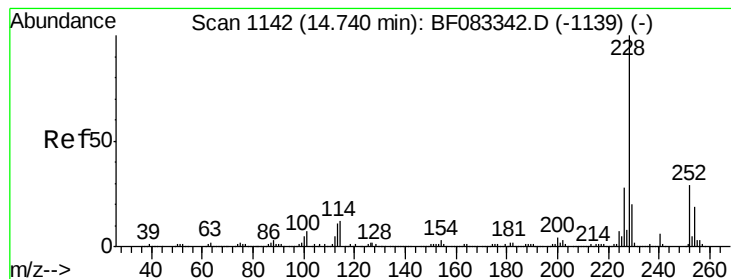
Tot Ion:244 Resp: 1219418  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.8  
 122 11.2 11.0 16.4



#79  
 Butylbenzylphthalate  
 Concen: 41.31 ng  
 RT: 13.93 min Scan# 1071  
 Delta R.T. -0.03 min  
 Lab File: BF083484.D  
 Acq: 4 Dec 2015 3:27

Tgt Ion:149 Resp: 479476  
 Ion Ratio Lower Upper  
 149 100  
 91 68.7 71.4 107.2#  
 206 21.9 15.1 22.7





#80

Benzo(a)anthracene

Concen: 38.40 ng

RT: 14.71 min Scan# 1139

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

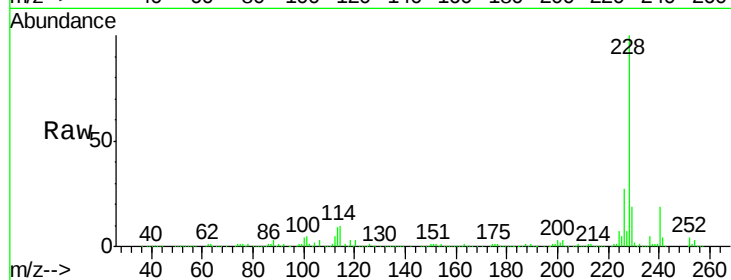
Tot Ion:228 Resp: 921725

Ion Ratio Lower Upper

228 100

226 26.6 22.2 33.4

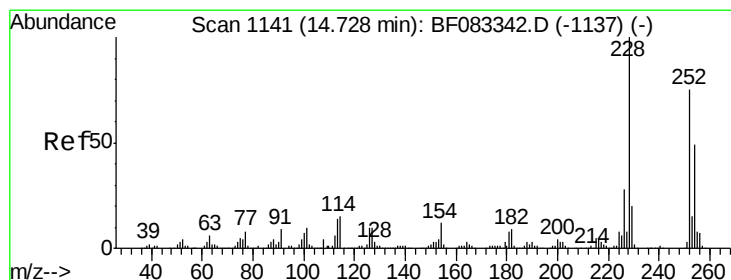
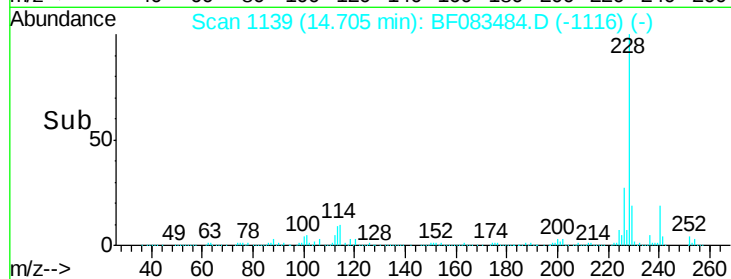
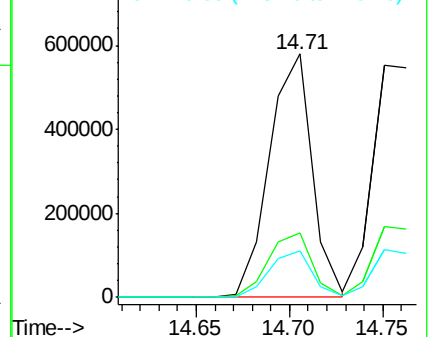
229 18.9 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 44.25 ng

RT: 14.69 min Scan# 1138

Delta R.T. -0.03 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

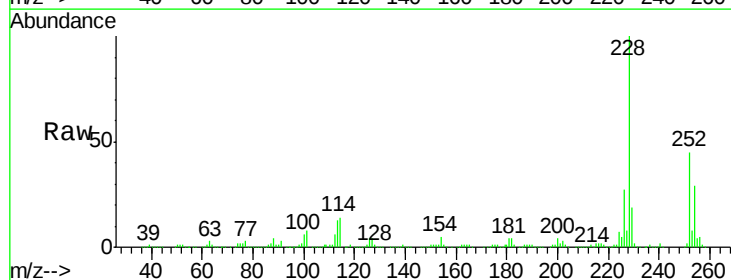
Tgt Ion:252 Resp: 331757

Ion Ratio Lower Upper

252 100

254 64.2 52.0 78.0

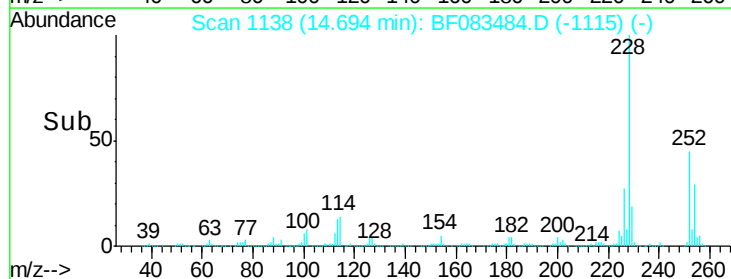
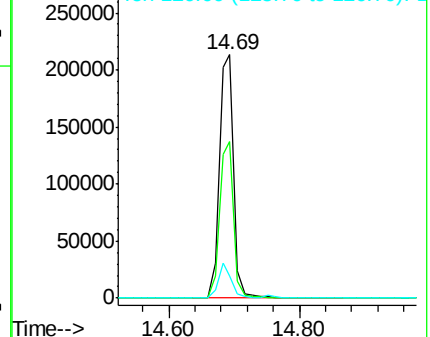
126 9.2 10.7 16.1#

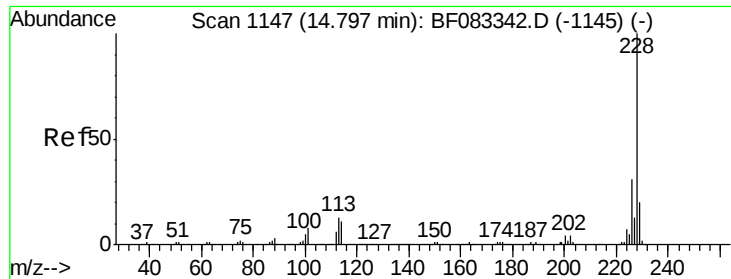


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 38.04 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.05 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

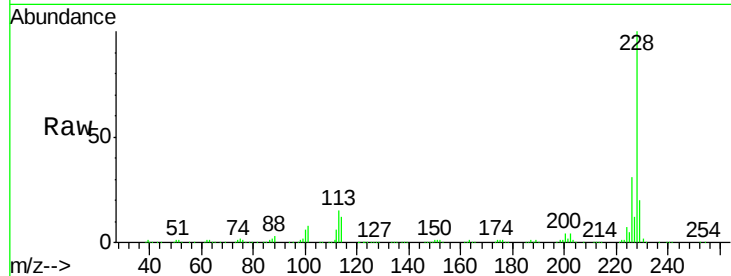
Tot Ion:228 Resp: 882253

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

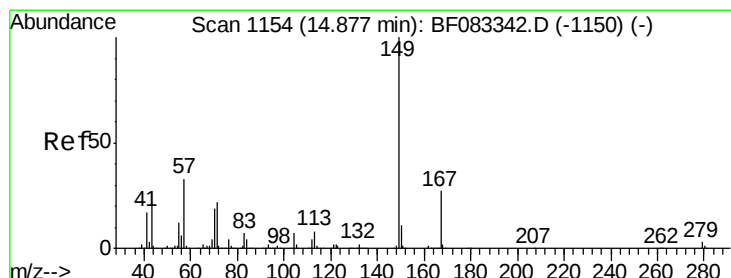
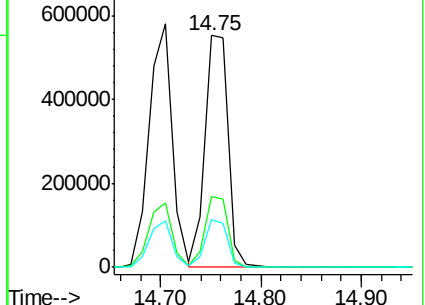
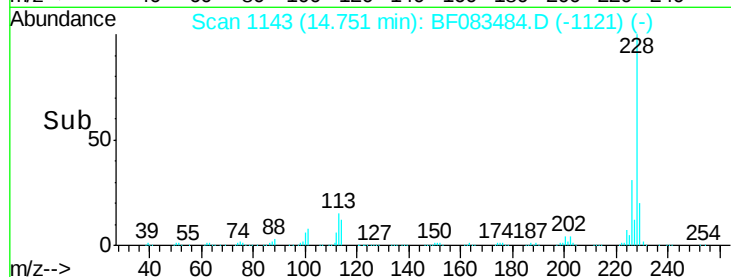
229 20.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 43.12 ng

RT: 14.83 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

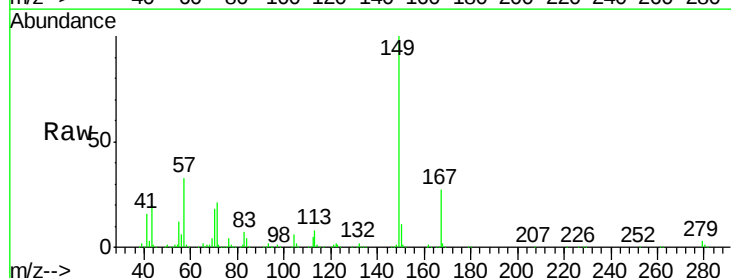
Tgt Ion:149 Resp: 671393

Ion Ratio Lower Upper

149 100

167 26.8 21.5 32.3

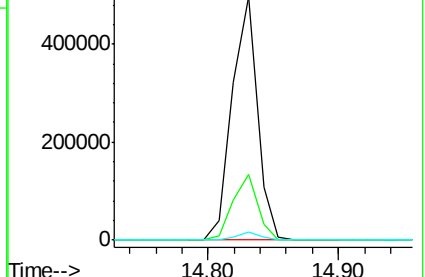
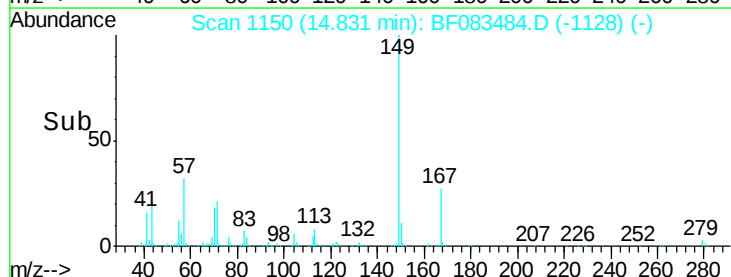
279 3.1 2.6 3.8

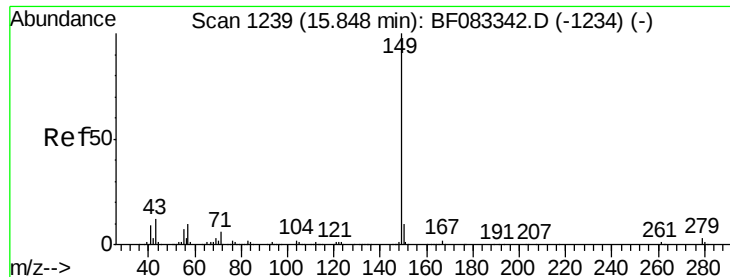


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

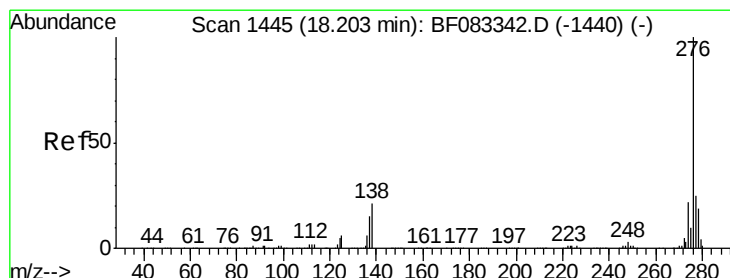
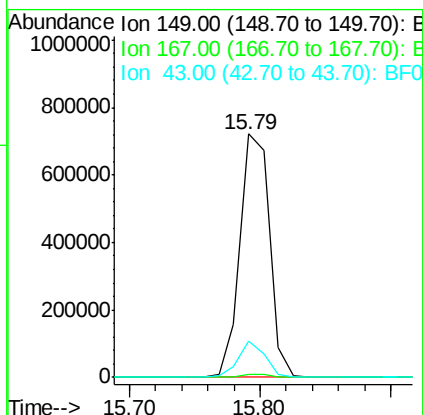
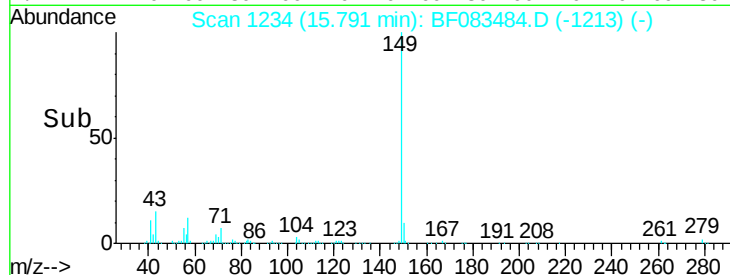
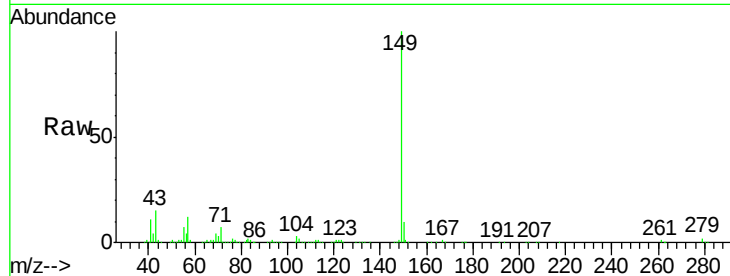




#84  
Di-n-octyl phthalate  
Concen: 49.10 ng  
RT: 15.79 min Scan# 1234  
Delta R.T. -0.06 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

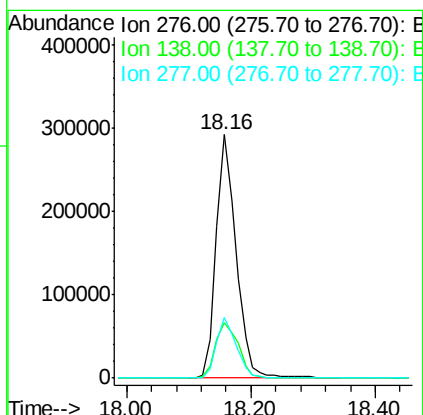
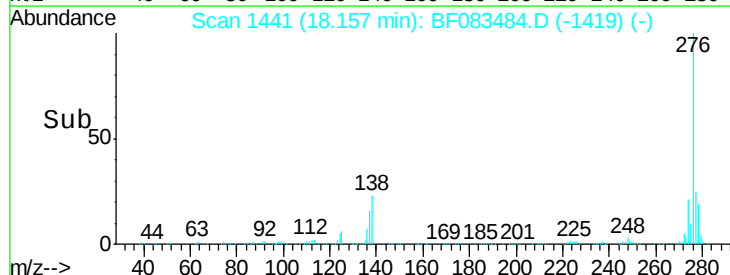
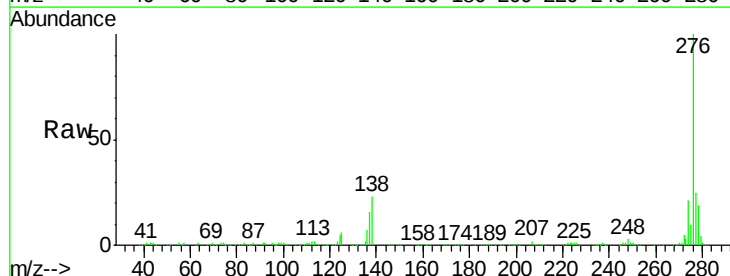
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

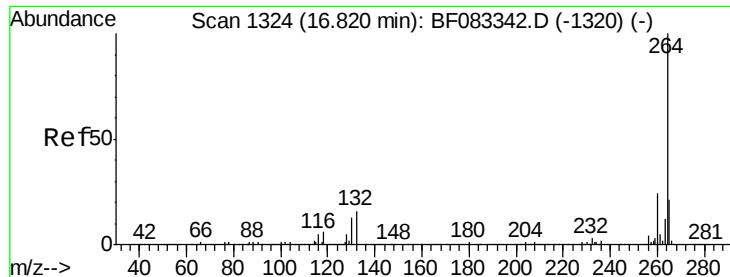
Tot Ion:149 Resp: 1138373  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 13.6 11.0 16.6



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 38.42 ng  
RT: 18.16 min Scan# 1441  
Delta R.T. -0.05 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:276 Resp: 649006  
Ion Ratio Lower Upper  
276 100  
138 26.7 21.2 31.8  
277 25.2 20.0 30.0



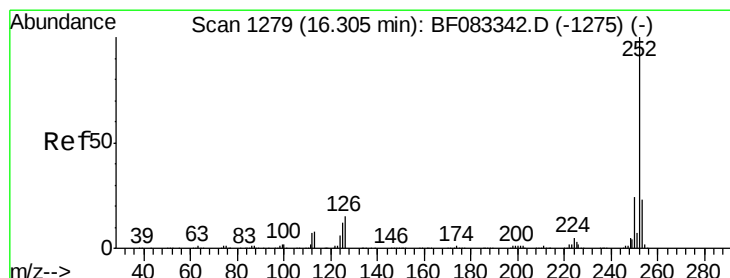
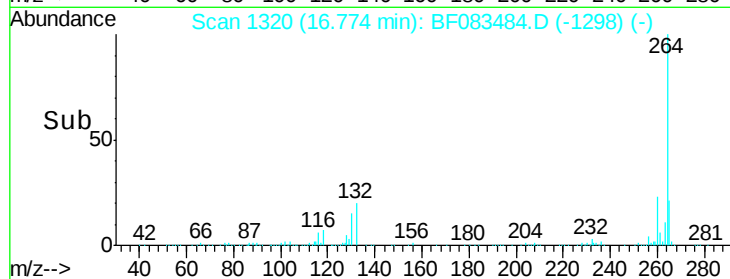
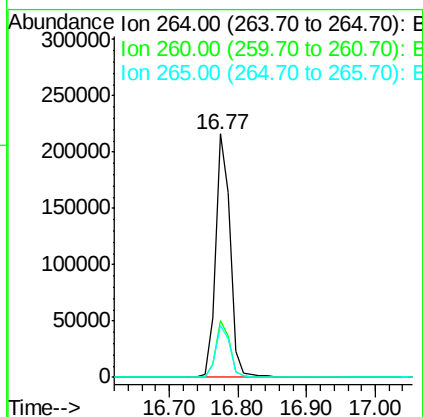
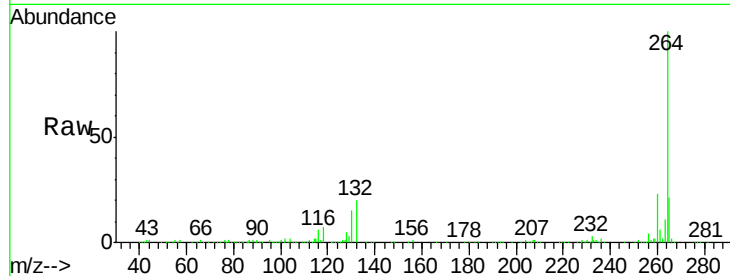


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.77 min Scan# 1320  
Delta R.T. -0.05 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:264 Resp: 323128  

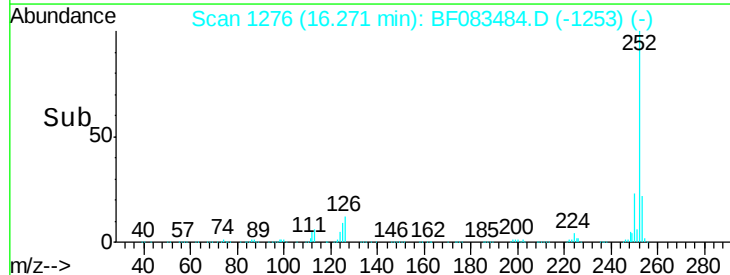
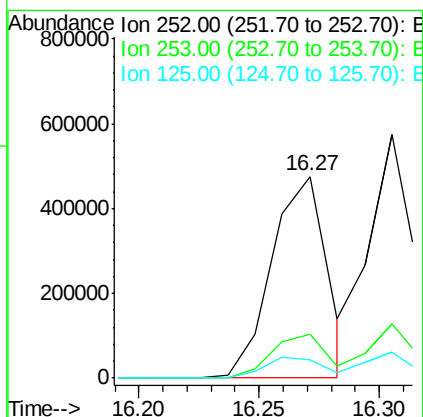
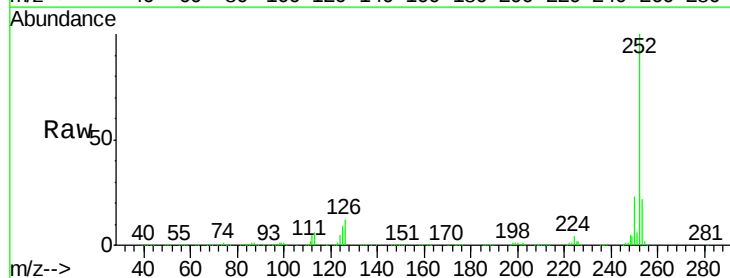
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 19.0  | 28.4  |
| 265 | 21.1  | 16.8  | 25.2  |

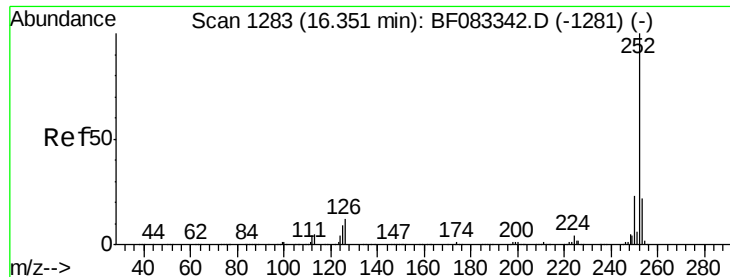


#87  
Benzo(b)fluoranthene  
Concen: 36.84 ng m  
RT: 16.27 min Scan# 1276  
Delta R.T. -0.03 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:252 Resp: 763785  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 18.4  | 27.6  |
| 125 | 9.2   | 9.6   | 14.4# |

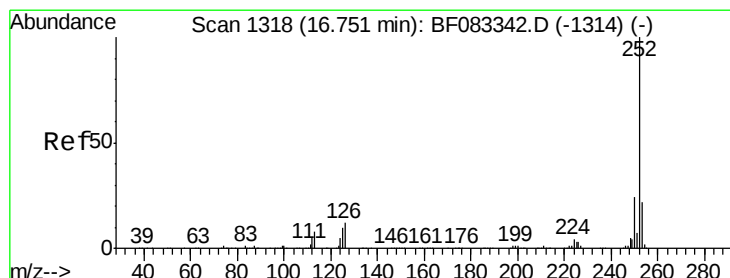
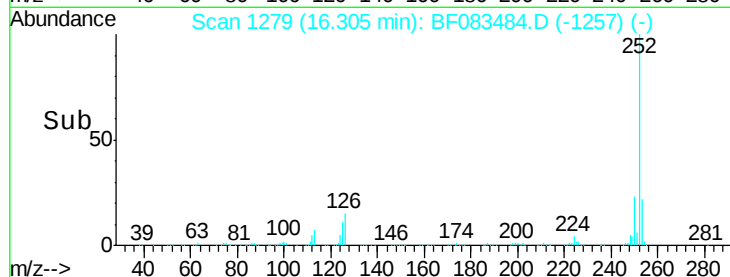
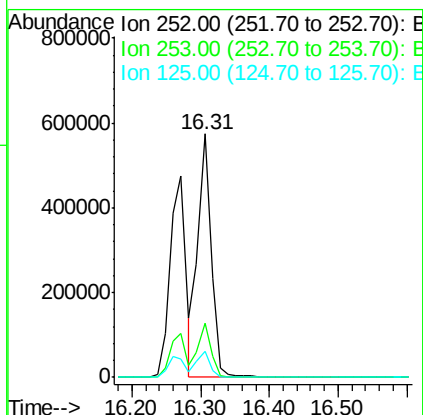
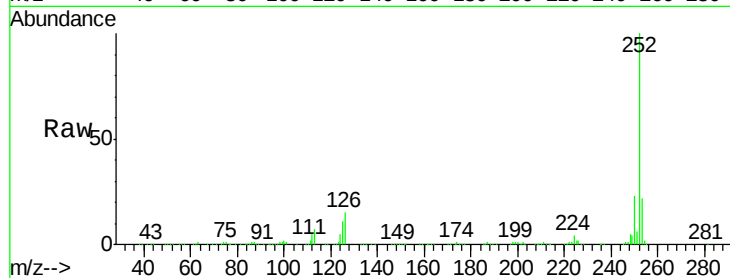




#88  
Benzo(k)fluoranthene  
Concen: 39.27 ng  
RT: 16.31 min Scan# 1279  
Delta R.T. -0.05 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

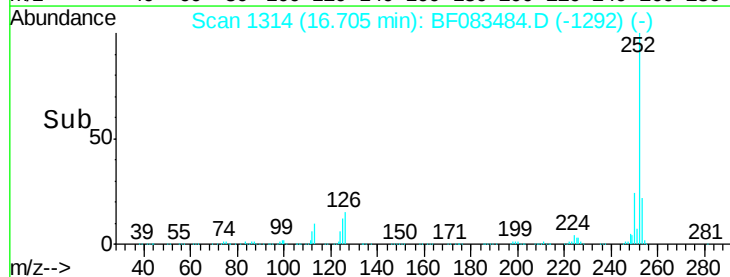
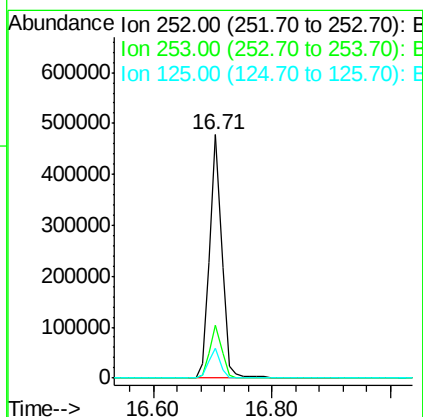
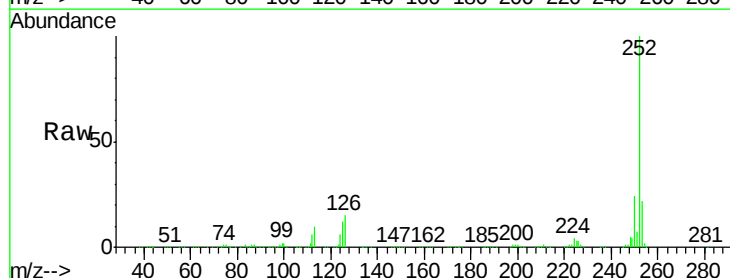
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

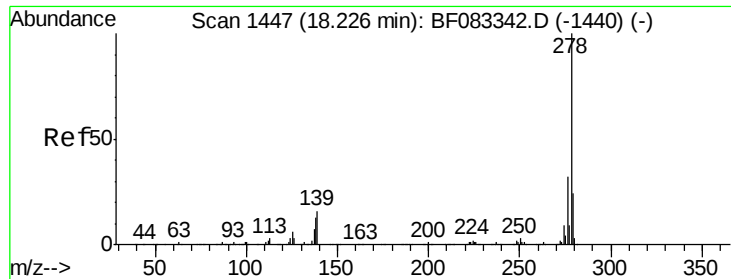
Tot Ion:252 Resp: 768739  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.4 26.0  
125 10.7 7.5 11.3



#89  
Benzo(a)pyrene  
Concen: 38.68 ng  
RT: 16.71 min Scan# 1314  
Delta R.T. -0.05 min  
Lab File: BF083484.D  
Acq: 4 Dec 2015 3:27

Tgt Ion:252 Resp: 688833  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 12.0 7.8 11.8#





#90

Dibenzo(a,h)anthracene

Concen: 36.13 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.05 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

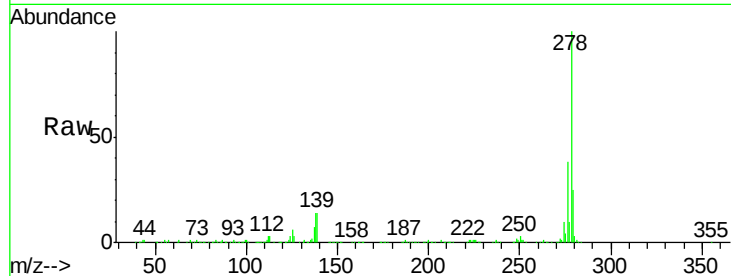
Tot Ion:278 Resp: 560685

Ion Ratio Lower Upper

278 100

139 14.4 13.1 19.7

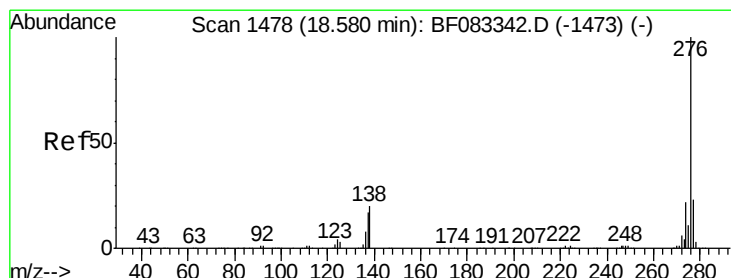
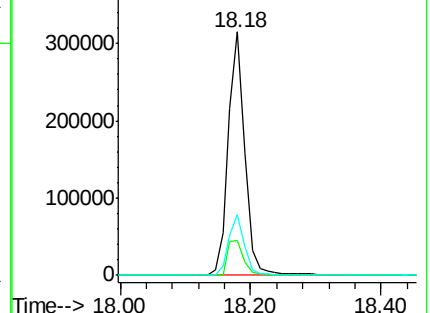
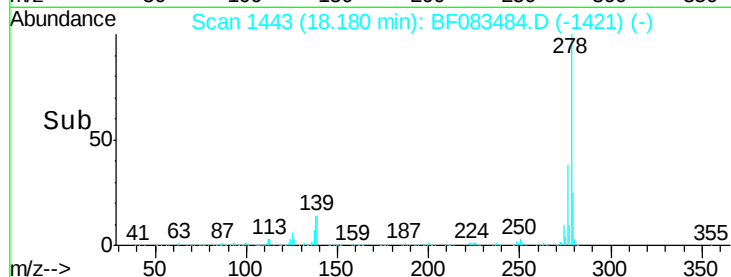
279 24.7 19.2 28.8



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(g,h,i)perylene

Concen: 32.75 ng

RT: 18.52 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF083484.D

Acq: 4 Dec 2015 3:27

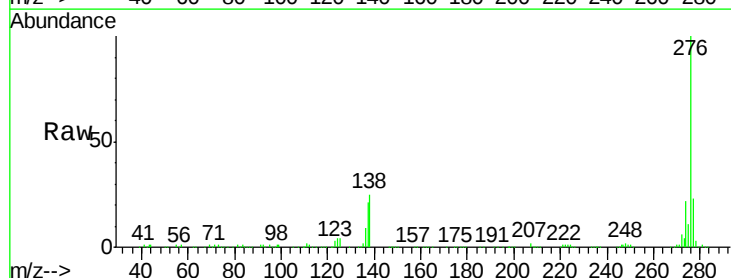
Tgt Ion:276 Resp: 498736

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 24.5 16.1 24.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

