

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\  
 Data File : BF079195.D  
 Acq On : 13 May 2015 11:50  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: May 13 13:48:21 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 13:12:37 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.28  | 152  | 83197    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.86  | 136  | 340883   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 11.04 | 164  | 171346   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.88 | 188  | 320712   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.19 | 240  | 329609   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 18.02 | 264  | 340613   | 20.00 | ng    | 0.15     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.59  | 112 | 393164  | 81.35 | ng | 0.00 |
| 7) Phenol-d6                | 6.86  | 99  | 533025  | 83.43 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.98  | 82  | 468125  | 78.92 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 12.02 | 330 | 163805  | 88.37 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 10.20 | 172 | 879597  | 71.52 | ng | 0.00 |
| 78) Terphenyl-d14           | 14.88 | 244 | 1087969 | 79.03 | ng | 0.00 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.20 | 88  | 90467  | 43.05 | ng | # 24   |
| 3) Pyridine                    | 2.94 | 79  | 256198 | 41.66 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 2.87 | 42  | 97702  | 37.08 | ng | 86     |
| 6) Aniline                     | 6.87 | 93  | 360472 | 39.97 | ng | # 24   |
| 8) 2-Chlorophenol              | 7.02 | 128 | 226469 | 41.31 | ng | 99     |
| 9) Benzaldehyde                | 6.73 | 77  | 158822 | 36.90 | ng | 90     |
| 10) Phenol                     | 6.87 | 94  | 300229 | 40.51 | ng | # 68   |
| 11) bis(2-Chloroethyl)ether    | 6.97 | 93  | 209504 | 38.56 | ng | 100    |
| 12) 1,3-Dichlorobenzene        | 7.21 | 146 | 253700 | 41.18 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 7.30 | 146 | 250668 | 39.53 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 7.48 | 146 | 235509 | 39.90 | ng | 96     |
| 15) Benzyl Alcohol             | 7.46 | 79  | 179912 | 37.94 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.64 | 45  | 337850 | 40.65 | ng | 99     |
| 17) 2-Methylphenol             | 7.61 | 107 | 176678 | 40.05 | ng | 98     |
| 18) Hexachloroethane           | 7.91 | 117 | 76670  | 35.10 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.80 | 70  | 169078 | 39.18 | ng | # 82   |
| 20) 3+4-Methylphenols          | 7.80 | 107 | 238598 | 40.59 | ng | # 46   |
| 22) Acetophenone               | 7.79 | 105 | 318263 | 41.33 | ng | # 93   |
| 24) Nitrobenzene               | 8.00 | 77  | 236017 | 40.14 | ng | 96     |
| 25) Isophorone                 | 8.30 | 82  | 441455 | 40.15 | ng | 99     |
| 26) 2-Nitrophenol              | 8.39 | 139 | 106204 | 43.64 | ng | # 74   |
| 27) 2,4-Dimethylphenol         | 8.46 | 122 | 202131 | 41.51 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 8.58 | 93  | 270853 | 39.96 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 8.70 | 162 | 191132 | 44.14 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.80 | 180 | 193718 | 40.73 | ng | 99     |
| 31) Naphthalene                | 8.89 | 128 | 676818 | 41.67 | ng | 100    |
| 32) Benzoic acid               | 8.57 | 122 | 126890 | 42.44 | ng | 93     |
| 33) 4-Chloroaniline            | 8.96 | 127 | 284948 | 41.46 | ng | 99     |
| 34) Hexachlorobutadiene        | 9.04 | 225 | 107546 | 39.26 | ng | 96     |
| 35) Caprolactam                | 9.40 | 113 | 63714  | 45.50 | ng | # 87   |
| 36) 4-Chloro-3-methylphenol    | 9.58 | 107 | 195269 | 42.94 | ng | # 81   |
| 37) 2-Methylnaphthalene        | 9.75 | 142 | 470645 | 41.81 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.95 | 216 | 190757 | 39.53 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.93 | 237 | 10521  | 4.34  | ng | 96     |

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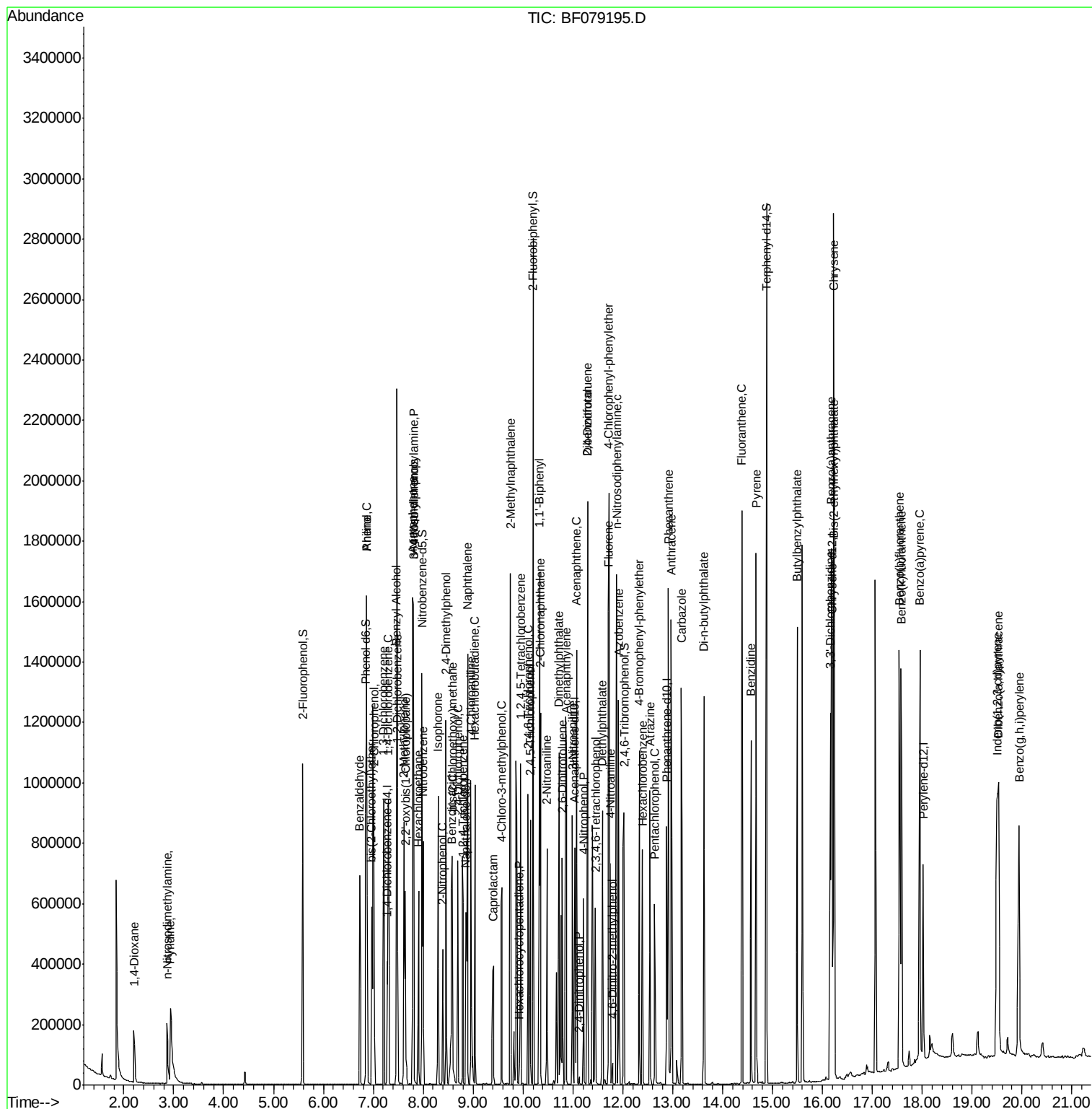
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) 2,4,6-Trichlorophenol      | 10.10 | 196  | 137284   | 41.38 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 10.15 | 196  | 141015   | 42.04 | nq    | # 92     |
| 45) 1,1'-Biphenyl              | 10.33 | 154  | 545863   | 40.07 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 10.35 | 162  | 424993   | 40.00 | nq    | 94       |
| 47) 2-Nitroaniline             | 10.48 | 65   | 128044   | 41.59 | nq    | 95       |
| 48) Acenaphthylene             | 10.87 | 152  | 695384   | 39.86 | nq    | 98       |
| 49) Dimethylphthalate          | 10.72 | 163  | 502135   | 39.93 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.79 | 165  | 96134    | 38.74 | nq    | 92       |
| 51) Acenaphthene               | 11.07 | 154  | 380740   | 36.60 | nq    | 98       |
| 52) 3-Nitroaniline             | 10.99 | 138  | 140890   | 45.45 | nq    | # 92     |
| 53) 2,4-Dinitrophenol          | 11.13 | 184  | 4081     | 9.44  | nq    | # 83     |
| 54) Dibenzofuran               | 11.29 | 168  | 559871   | 37.26 | nq    | 99       |
| 55) 4-Nitrophenol              | 11.21 | 139  | 95455    | 38.90 | nq    | 85       |
| 56) 2,4-Dinitrotoluene         | 11.29 | 165  | 131566   | 40.10 | nq    | # 74     |
| 57) Fluorene                   | 11.71 | 166  | 463291   | 37.56 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.45 | 232  | 105477   | 38.48 | nq    | # 100    |
| 59) Diethylphthalate           | 11.59 | 149  | 474309   | 38.07 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 11.73 | 204  | 207126   | 37.85 | nq    | 99       |
| 61) 4-Nitroaniline             | 11.75 | 138  | 133372   | 43.00 | nq    | 92       |
| 62) Azobenzene                 | 11.92 | 77   | 480353   | 39.13 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 11.79 | 198  | 11138    | 12.31 | nq    | # 68     |
| 65) n-Nitrosodiphenylamine     | 11.87 | 169  | 426205   | 39.90 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.33 | 248  | 139372   | 41.69 | nq    | 98       |
| 67) Hexachlorobenzene          | 12.40 | 284  | 158263   | 41.42 | nq    | # 76     |
| 68) Atrazine                   | 12.55 | 200  | 122358   | 39.40 | nq    | 98       |
| 69) Pentachlorophenol          | 12.64 | 266  | 81024    | 39.99 | nq    | 97       |
| 70) Phenanthrene               | 12.91 | 178  | 728415   | 40.60 | nq    | 100      |
| 71) Anthracene                 | 12.97 | 178  | 732887   | 41.64 | nq    | 100      |
| 72) Carbazole                  | 13.18 | 167  | 703877   | 41.96 | nq    | 98       |
| 73) Di-n-butylphthalate        | 13.62 | 149  | 859847   | 42.74 | nq    | 99       |
| 74) Fluoranthene               | 14.39 | 202  | 790894   | 42.30 | nq    | 98       |
| 76) Benzidine                  | 14.57 | 184  | 482889   | 54.36 | nq    | 98       |
| 77) Pyrene                     | 14.67 | 202  | 851622   | 44.84 | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.50 | 149  | 379898   | 45.76 | nq    | 89       |
| 80) Benzo(a)anthracene         | 16.18 | 228  | 755971   | 41.88 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 16.16 | 252  | 301548   | 46.90 | nq    | # 98     |
| 82) Chrysene                   | 16.23 | 228  | 669106   | 38.54 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.24 | 149  | 528975   | 42.06 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.50 | 276  | 815138   | 36.85 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 17.54 | 252  | 807540m  | 43.31 | nq    |          |
| 88) Benzo(k)fluoranthene       | 17.58 | 252  | 677911   | 37.56 | nq    | 99       |
| 89) Benzo(a)pyrene             | 17.95 | 252  | 689515   | 40.17 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 19.53 | 278  | 657197   | 36.02 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 19.94 | 276  | 668678   | 36.57 | nq    | 99       |
| -----                          |       |      |          |       |       |          |

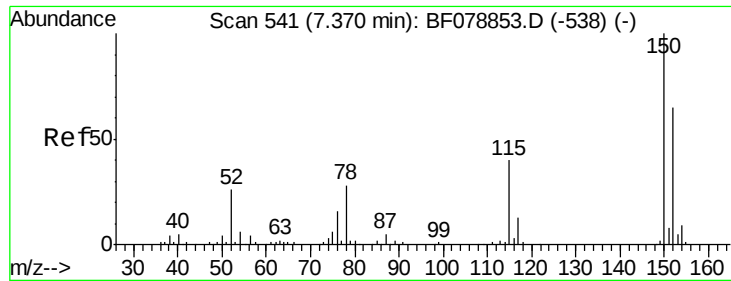
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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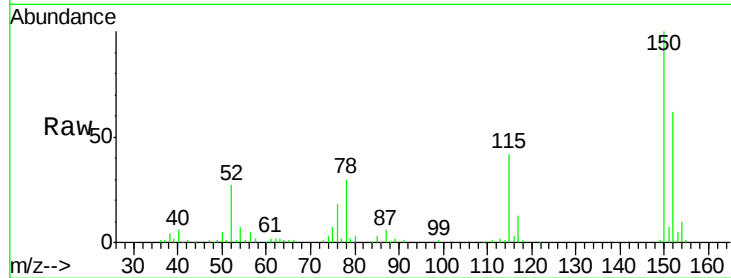


#1

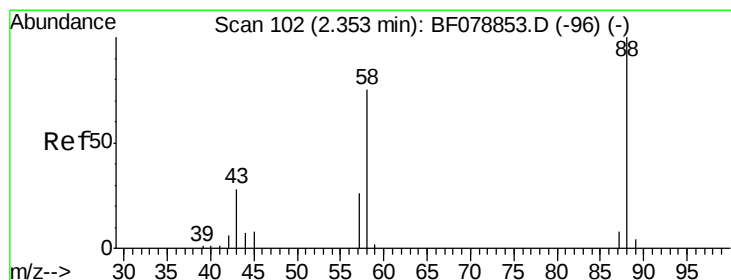
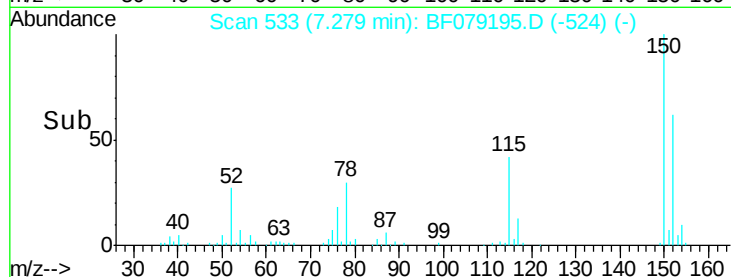
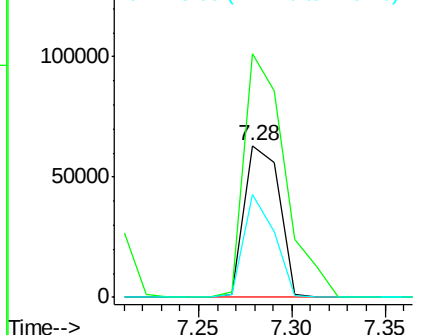
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.28 min Scan# 533  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:152 Resp: 83197  
Ion Ratio Lower Upper  
152 100  
150 160.5 122.0 183.0  
115 67.8 46.3 69.5



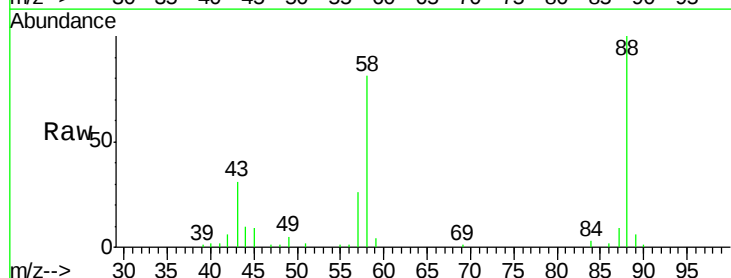
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



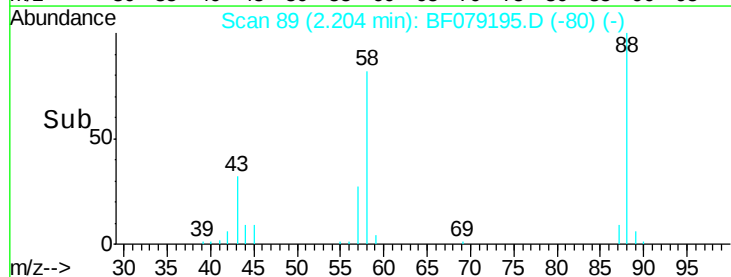
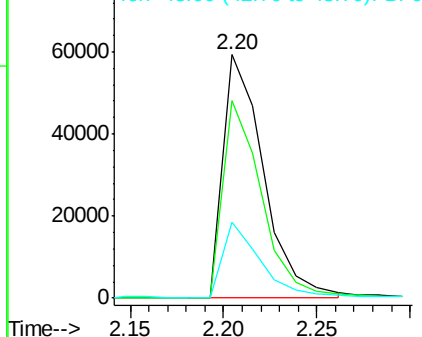
#2

1,4-Dioxane  
Concen: 43.05 ng  
RT: 2.20 min Scan# 89  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion: 88 Resp: 90467  
Ion Ratio Lower Upper  
88 100  
58 77.1 0.0 0.0#  
43 29.2 3.3 4.9#



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: 41.66 ng

RT: 2.94 min Scan# 153

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

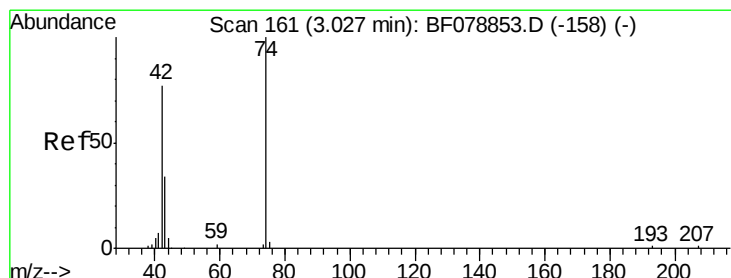
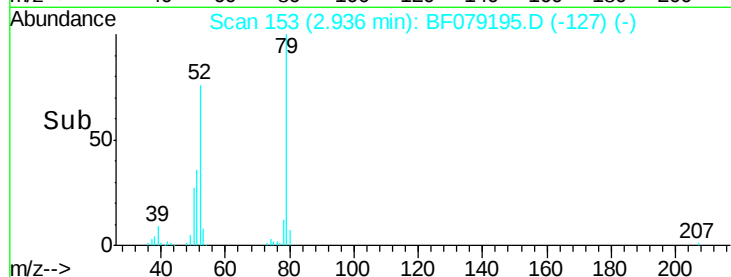
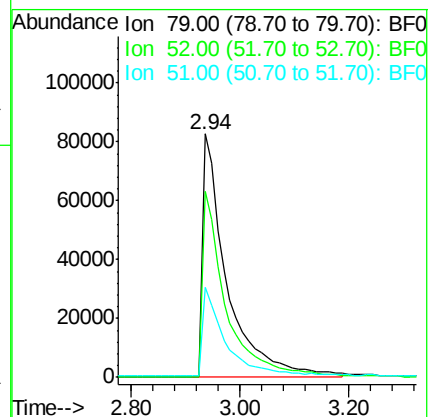
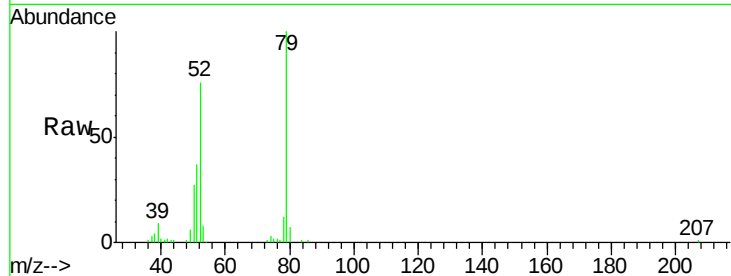
Tot Ion: 79 Resp: 256198

Ion Ratio Lower Upper

79 100

52 76.2 57.2 85.8

51 37.0 28.9 43.3



#4

n-Nitrosodimethylamine

Concen: 37.08 ng

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

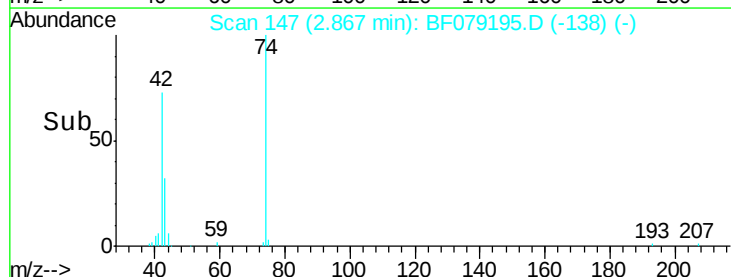
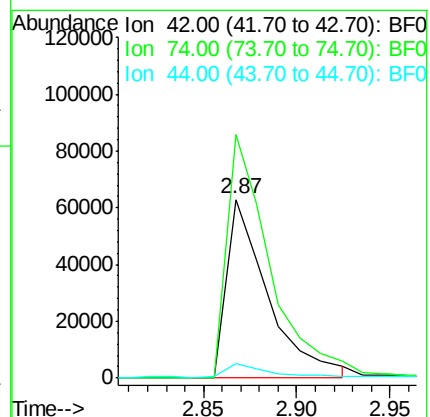
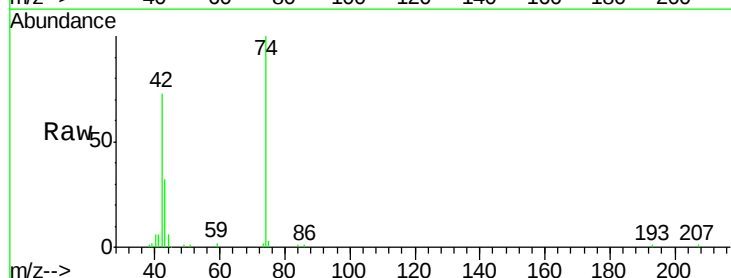
Tgt Ion: 42 Resp: 97702

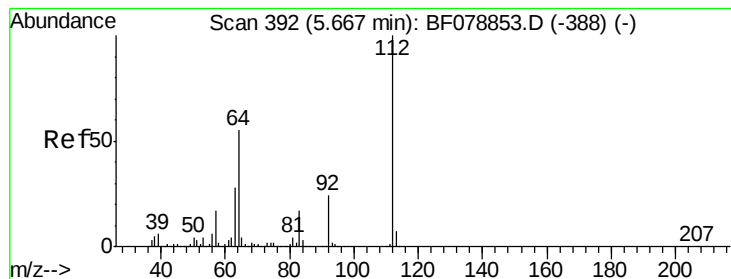
Ion Ratio Lower Upper

42 100

74 136.5 96.5 144.7

44 8.2 6.1 9.1





#5

2-Fluorophenol

Concen: 81.35 ng

RT: 5.59 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF079195.D

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BNA\_F

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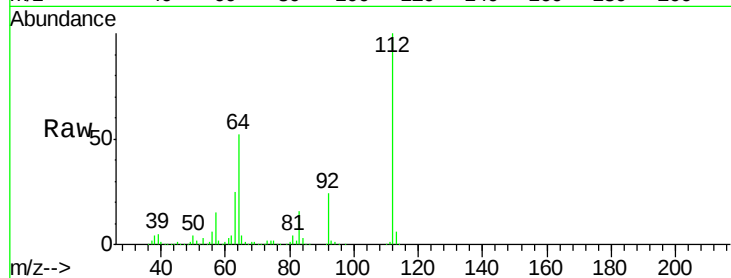
Tot Ion:112 Resp: 393164

Ion Ratio Lower Upper

112 100

64 52.2 53.5 80.3#

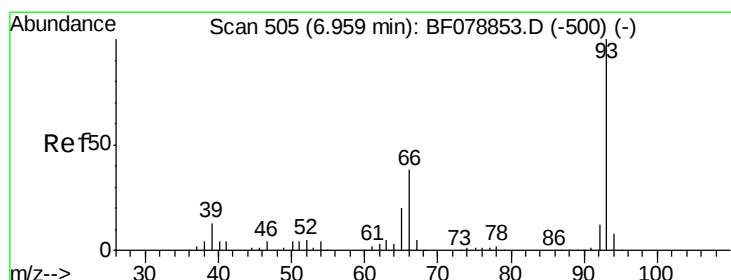
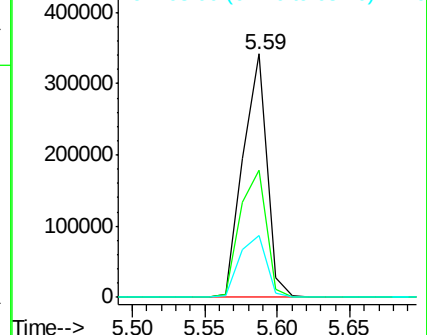
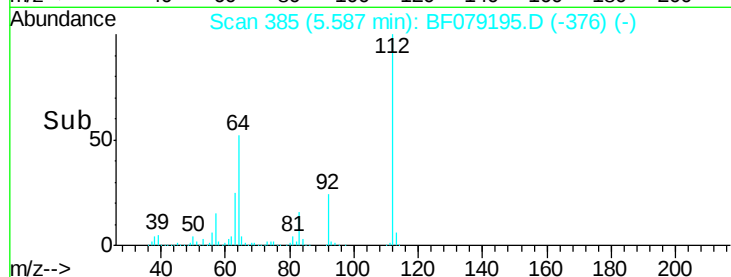
63 25.3 27.5 41.3#



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: 39.97 ng

RT: 6.87 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

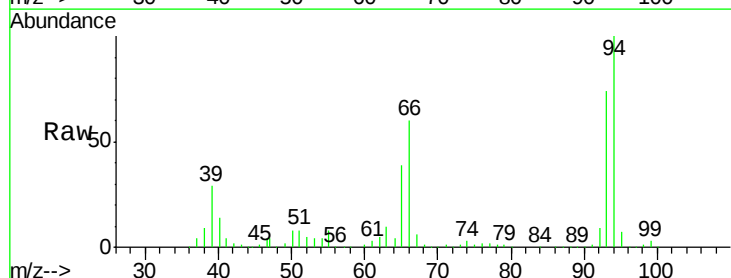
Tgt Ion: 93 Resp: 360472

Ion Ratio Lower Upper

93 100

66 82.1 29.7 44.5#

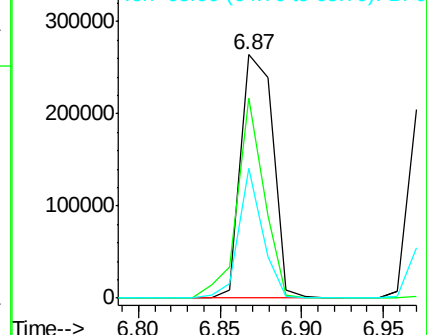
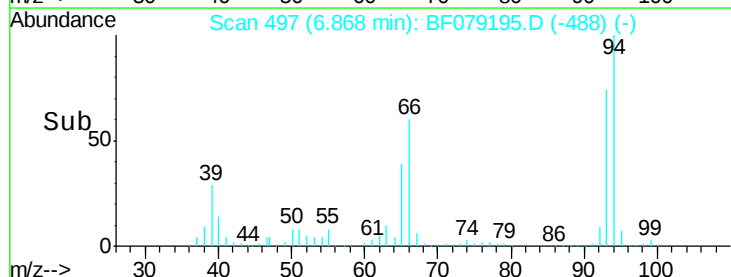
65 53.3 14.6 22.0#



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: 83.43 ng

RT: 6.86 min Scan# 496

Delta R.T. 0.01 min

Lab File: BF079195.D

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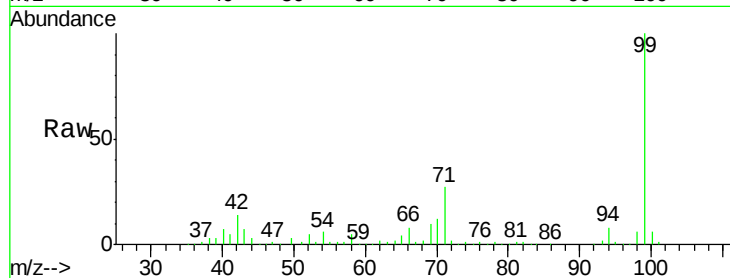
Tot Ion: 99 Resp: 533025

Ion Ratio Lower Upper

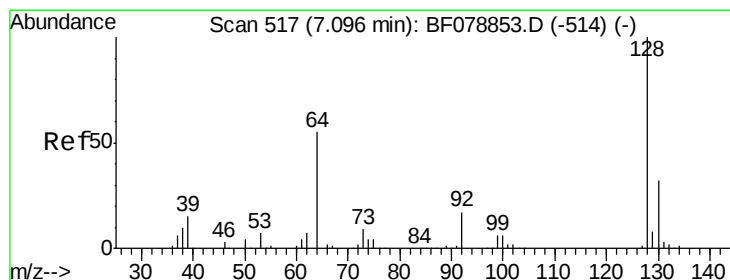
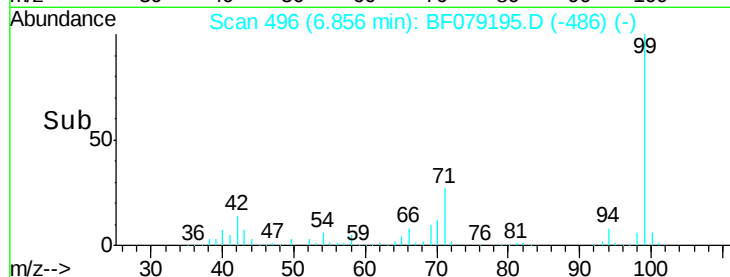
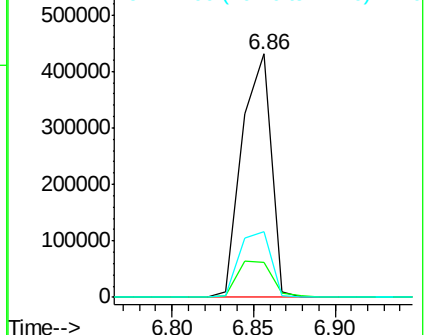
99 100

42 14.3 12.8 19.2

71 26.8 23.4 35.2



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



#8

2-Chlorophenol

Concen: 41.31 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

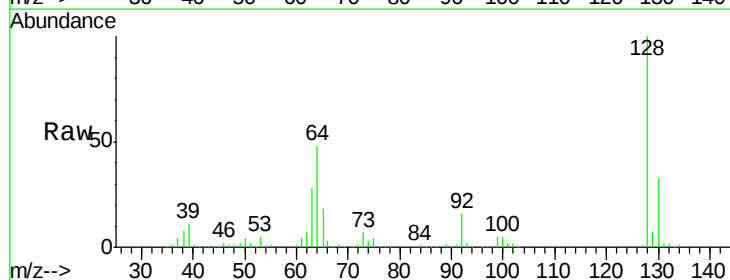
Tgt Ion: 128 Resp: 226469

Ion Ratio Lower Upper

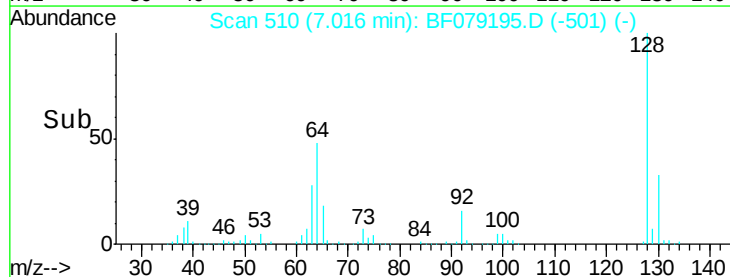
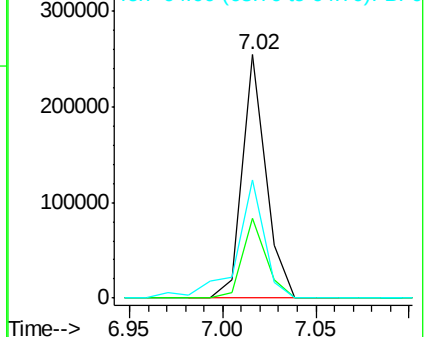
128 100

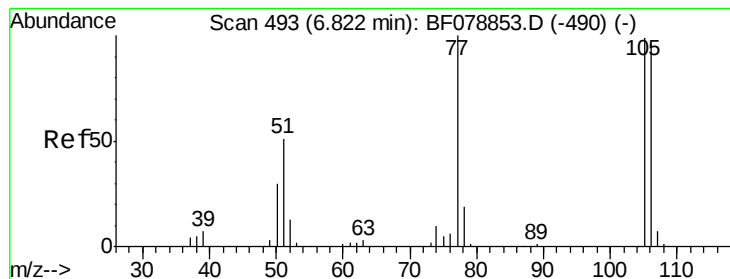
130 32.8 12.1 52.1

64 48.5 29.6 69.6



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: 36.90 ng

RT: 6.73 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

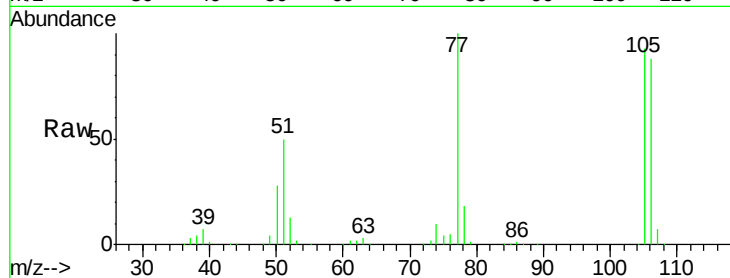
Tot Ion: 77 Resp: 158822

Ion Ratio Lower Upper

77 100

105 93.1 81.7 121.7

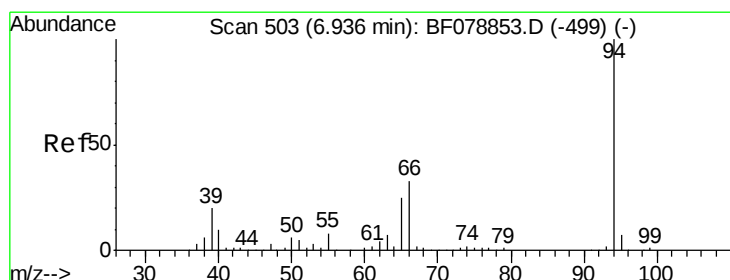
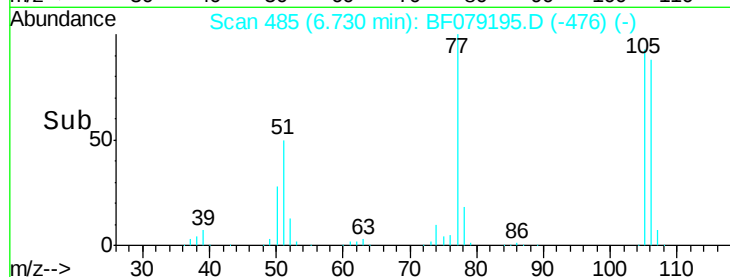
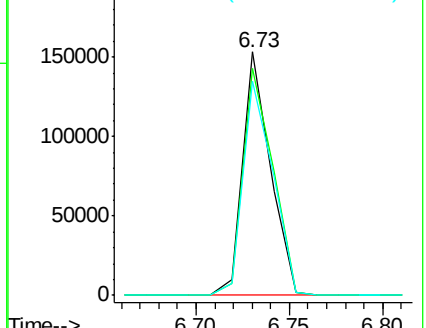
106 88.0 79.0 119.0



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: 40.51 ng

RT: 6.87 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

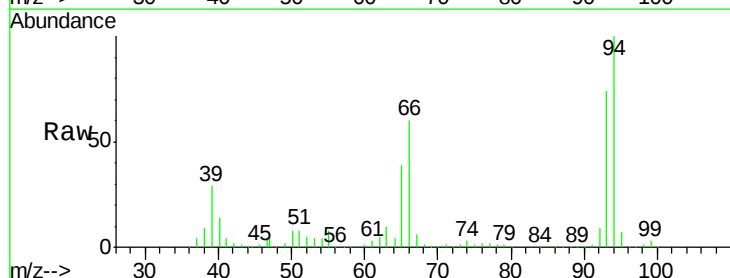
Tgt Ion: 94 Resp: 300229

Ion Ratio Lower Upper

94 100

65 39.3 8.5 48.5

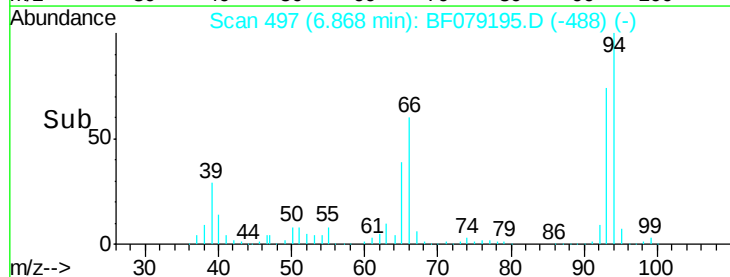
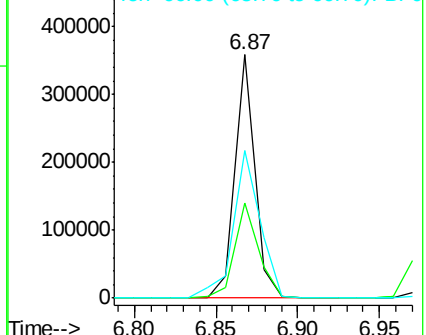
66 60.5 16.0 56.0#



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: 38.56 ng

RT: 6.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

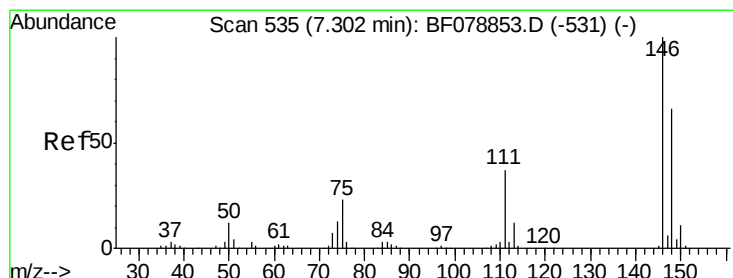
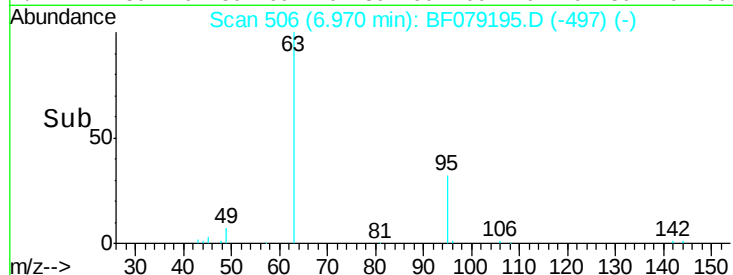
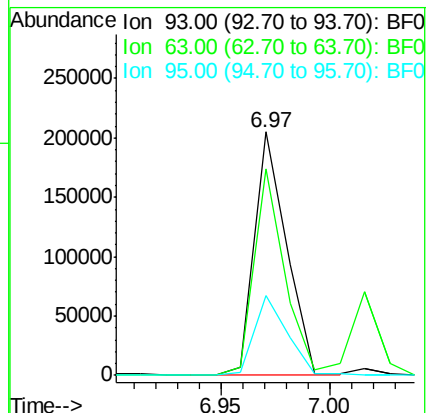
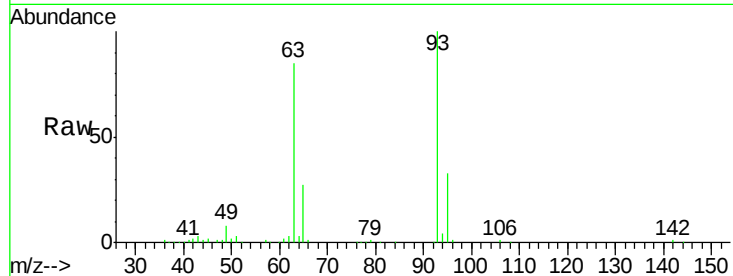
Tot Ion: 93 Resp: 209504

Ion Ratio Lower Upper

93 100

63 84.6 64.8 104.8

95 32.7 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 41.18 ng

RT: 7.21 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

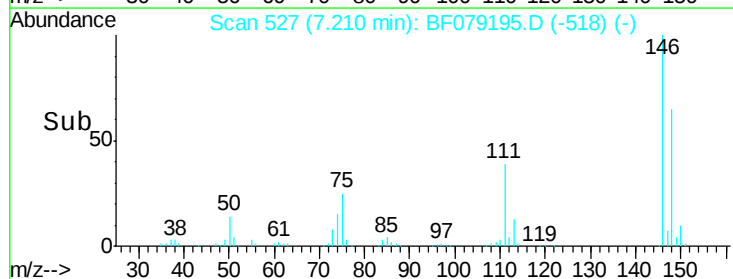
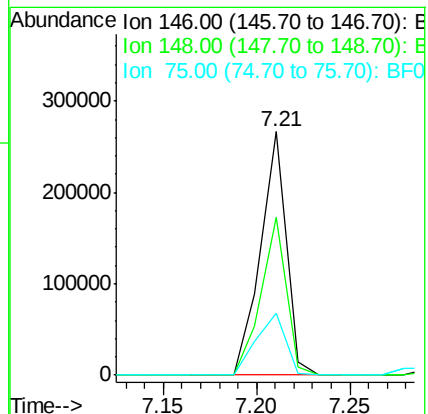
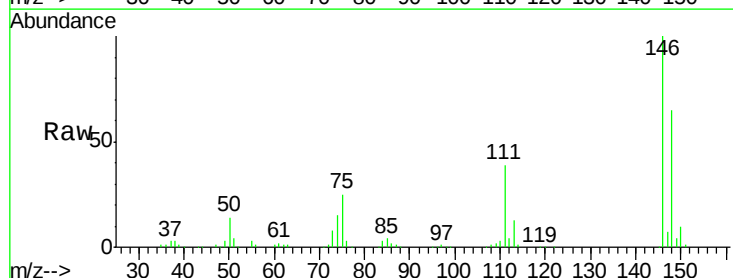
Tgt Ion: 146 Resp: 253700

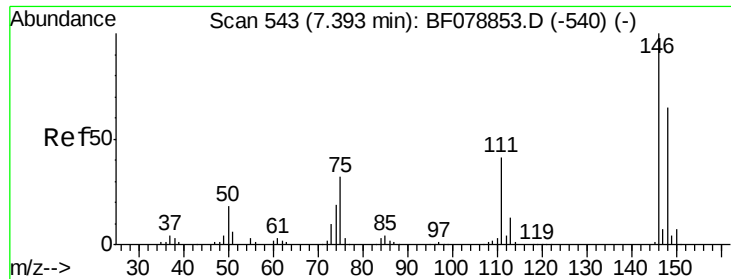
Ion Ratio Lower Upper

146 100

148 64.7 50.2 75.2

75 25.3 29.2 43.8#

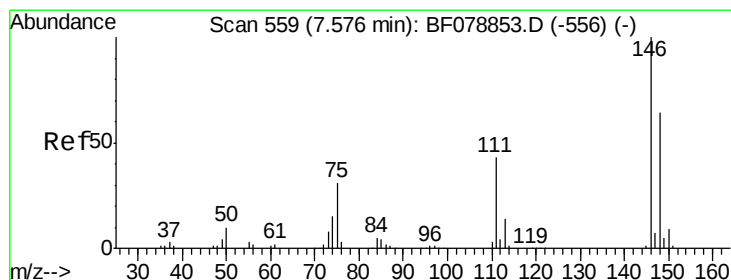
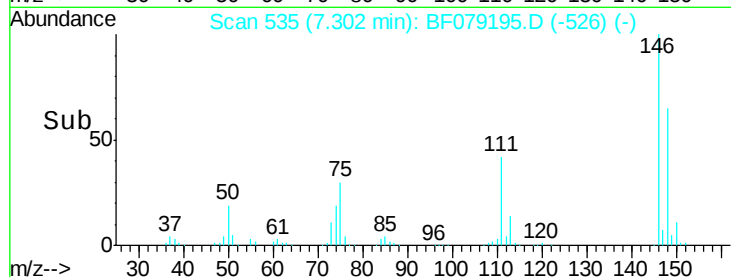
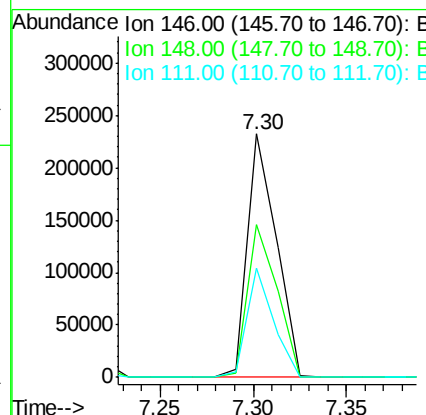
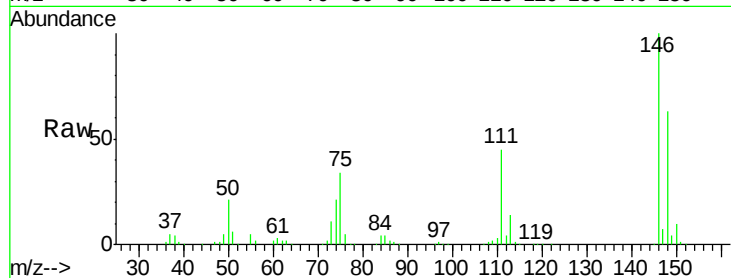




#13  
 1,4-Dichlorobenzene  
 Concen: 39.53 ng  
 RT: 7.30 min Scan# 535  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

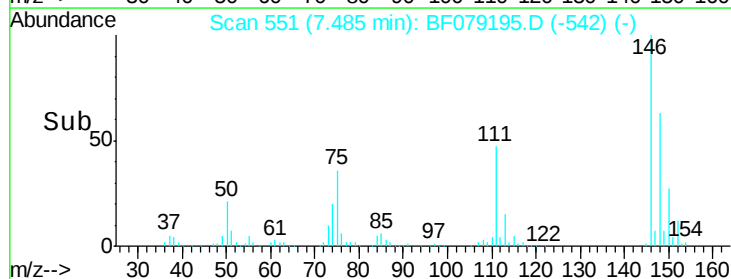
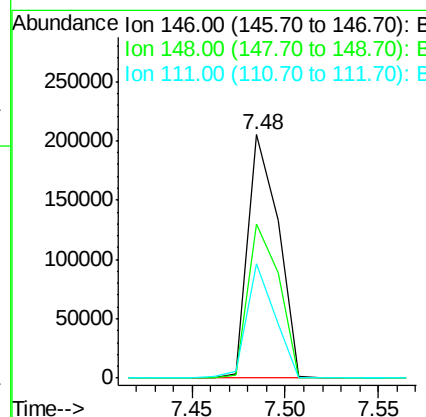
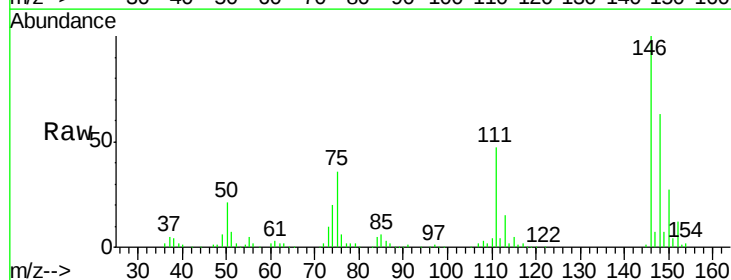
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

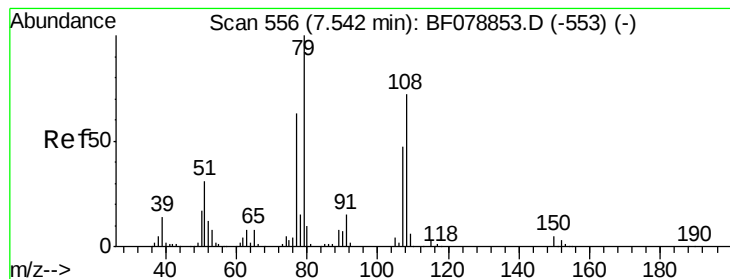
Tot Ion:146 Resp: 250668  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 52.8 79.2  
 111 44.7 31.7 47.5



#14  
 1,2-Dichlorobenzene  
 Concen: 39.90 ng  
 RT: 7.48 min Scan# 551  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Tgt Ion:146 Resp: 235509  
 Ion Ratio Lower Upper  
 146 100  
 148 63.3 51.2 76.8  
 111 47.0 33.3 49.9





#15

Benzyl Alcohol

Concen: 37.94 ng

RT: 7.46 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

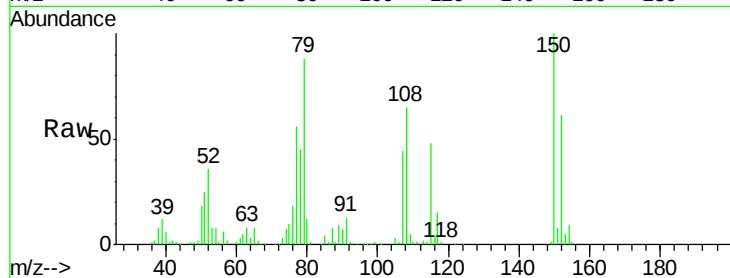
Tot Ion: 79 Resp: 179912

Ion Ratio Lower Upper

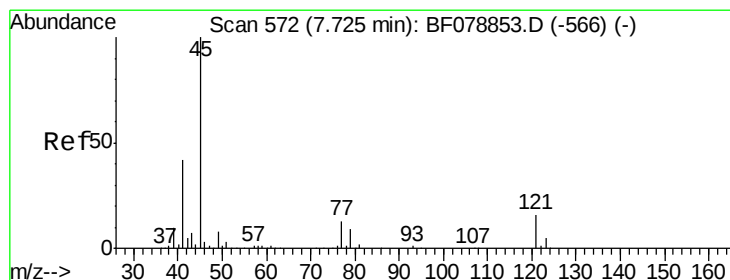
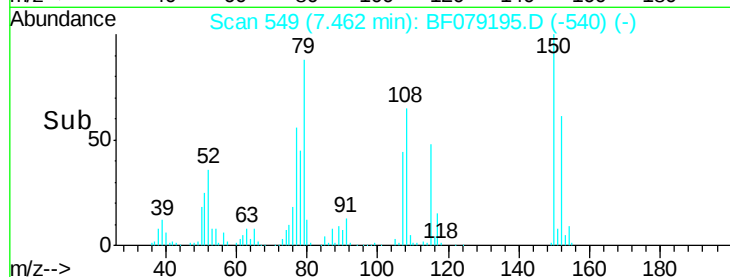
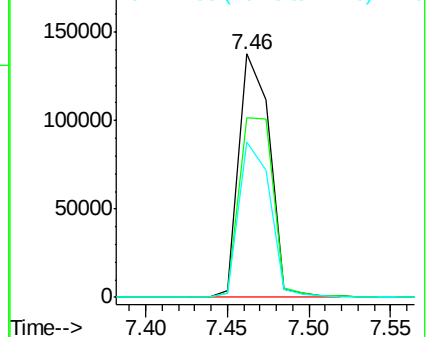
79 100

108 73.6 62.5 93.7

77 63.8 52.2 78.4



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.65 ng

RT: 7.64 min Scan# 565

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

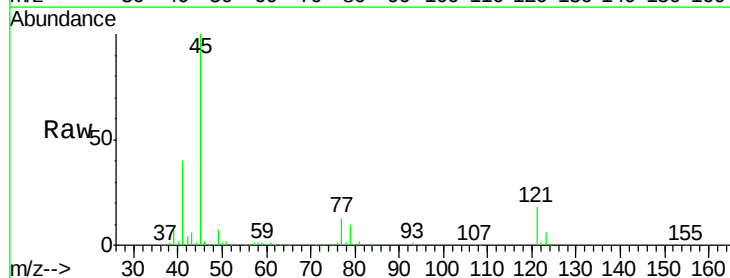
Tgt Ion: 45 Resp: 337850

Ion Ratio Lower Upper

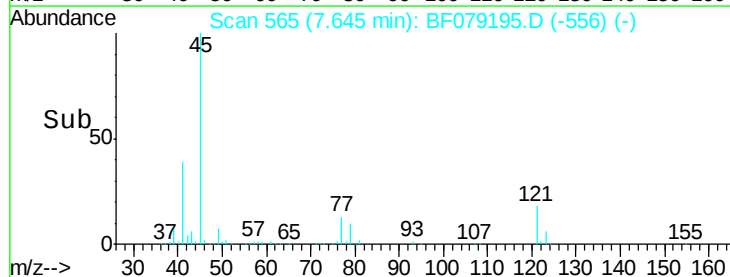
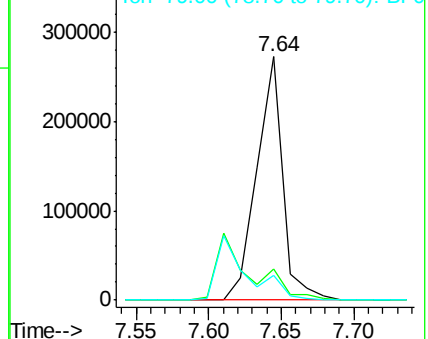
45 100

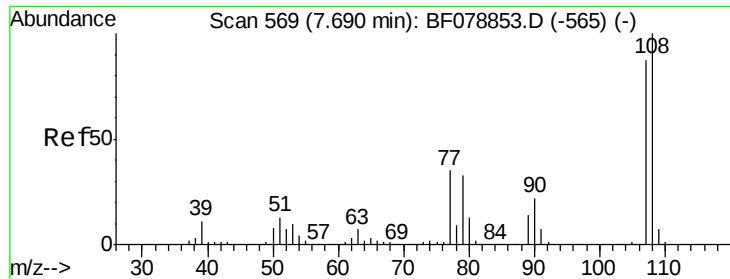
77 13.0 0.0 32.3

79 10.2 0.0 30.1



Abundance Ion 45.00 (44.70 to 45.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

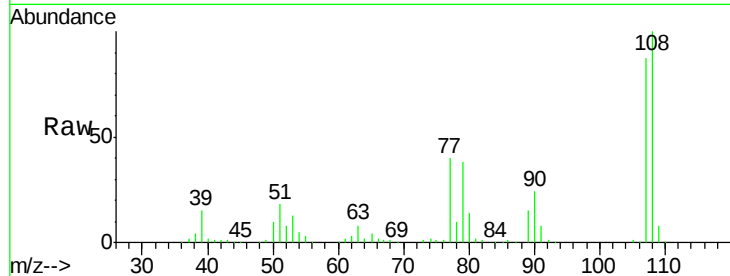




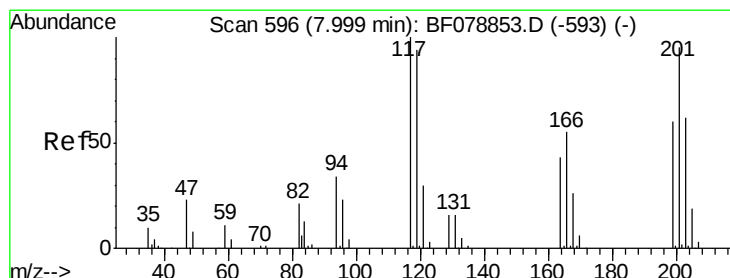
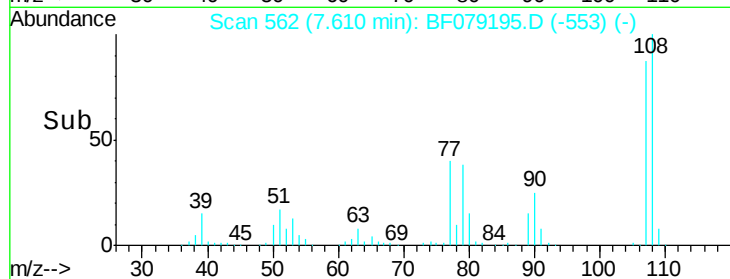
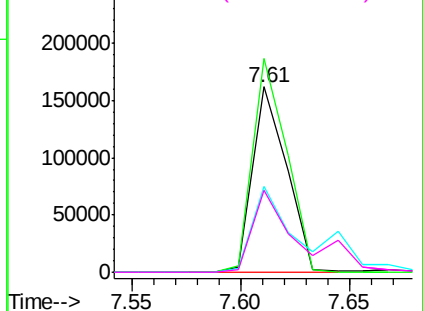
#17  
2-Methylphenol  
Concen: 40.05 ng  
RT: 7.61 min Scan# 562  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:107 Resp: 176678  
Ion Ratio Lower Upper  
107 100  
108 115.1 94.9 142.3  
77 46.1 36.2 54.4  
79 44.3 35.2 52.8

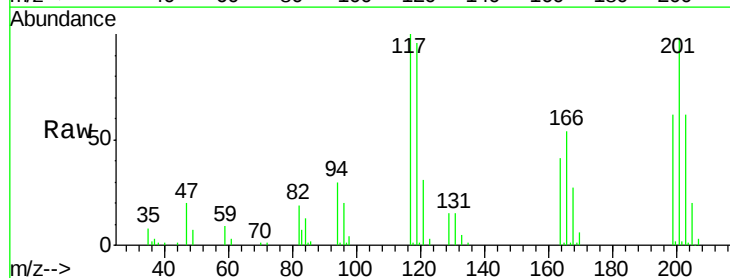


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

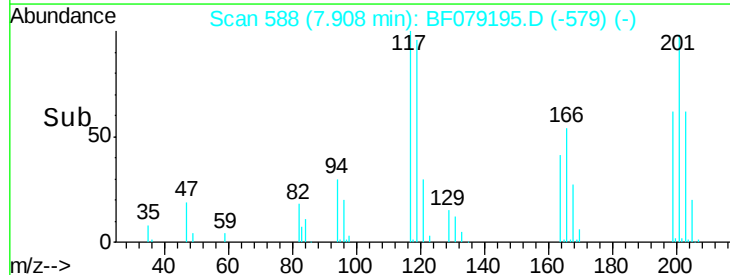
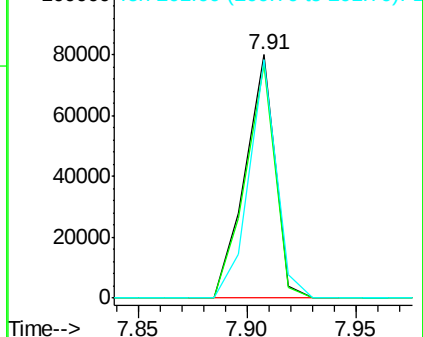


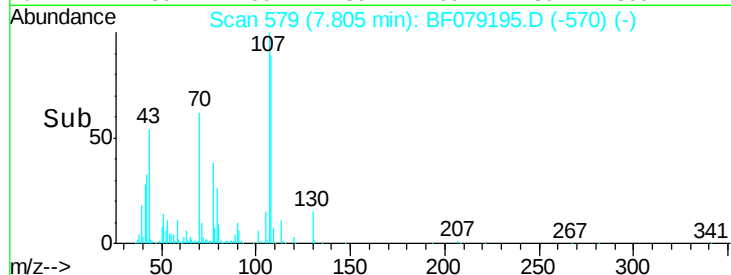
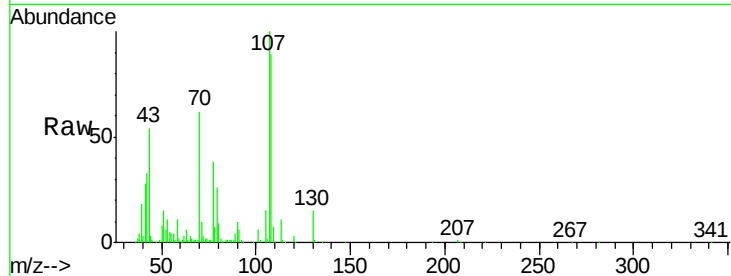
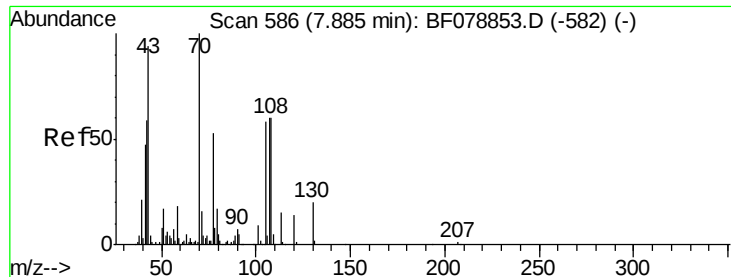
#18  
Hexachloroethane  
Concen: 35.10 ng  
RT: 7.91 min Scan# 588  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:117 Resp: 76670  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.4 113.0  
201 97.8 83.2 124.8



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

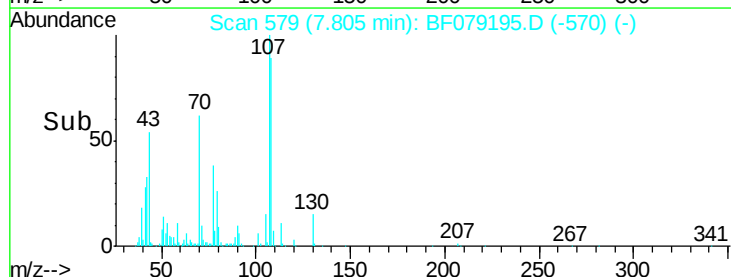
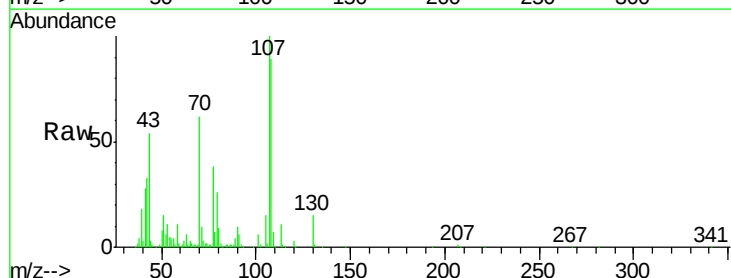
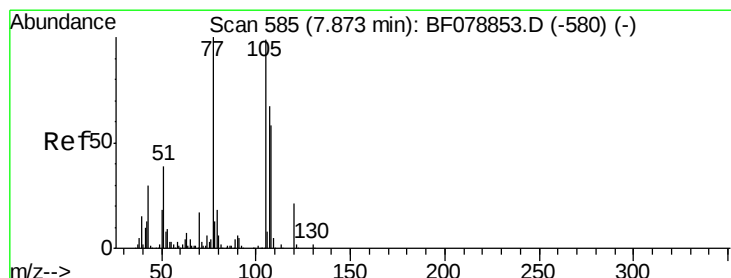
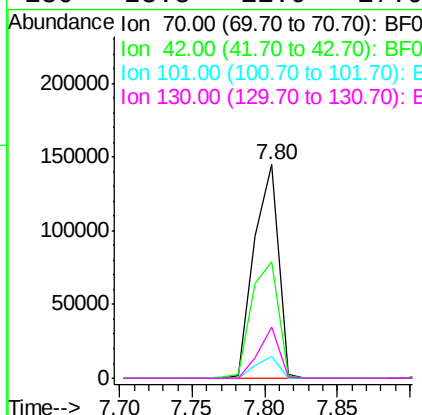




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.18 ng  
RT: 7.80 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

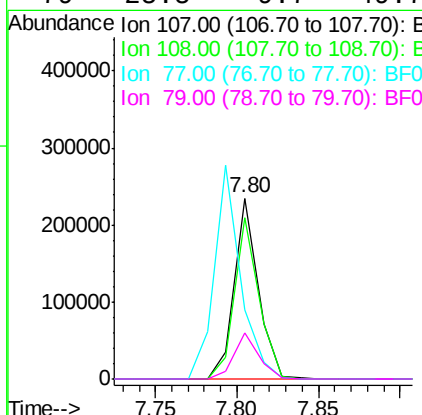
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

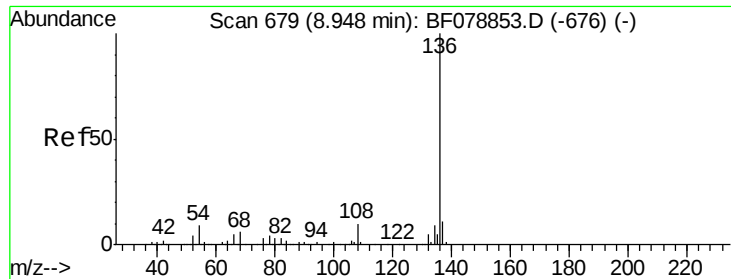
Tot Ion: 70 Resp: 169078  
Ion Ratio Lower Upper  
70 100  
42 54.4 55.4 83.0#  
101 10.2 6.6 10.0#  
130 23.8 11.9 17.9#



#20  
3+4-Methylphenols  
Concen: 40.59 ng  
RT: 7.80 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion: 107 Resp: 238598  
Ion Ratio Lower Upper  
107 100  
108 89.1 76.9 116.9  
77 38.2 136.8 176.8#  
79 25.5 9.7 49.7

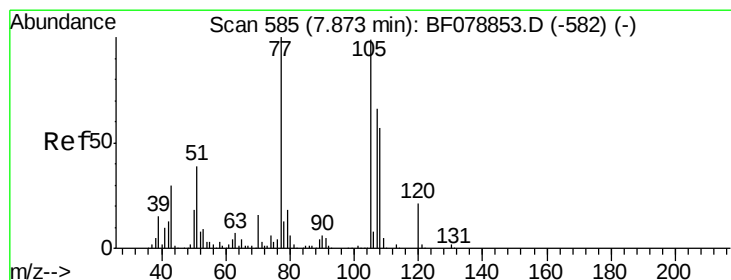
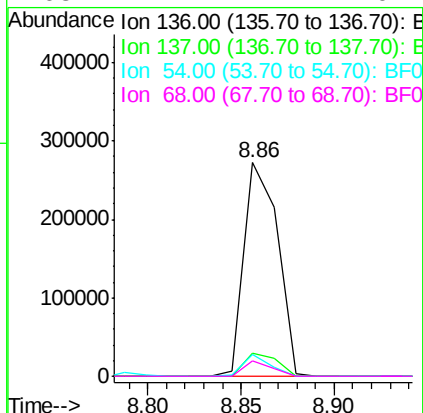
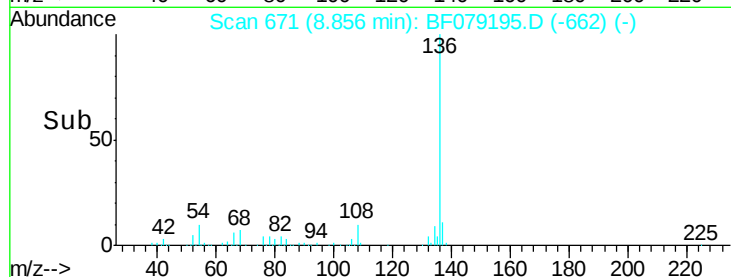
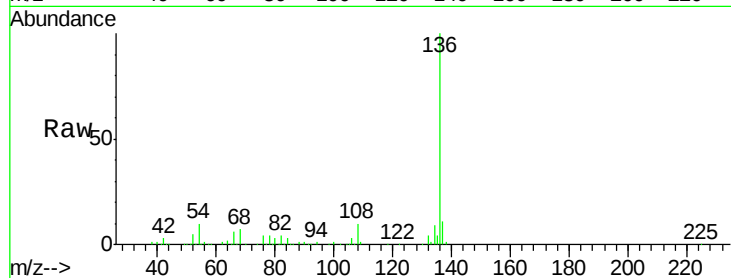




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.86 min Scan# 671  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

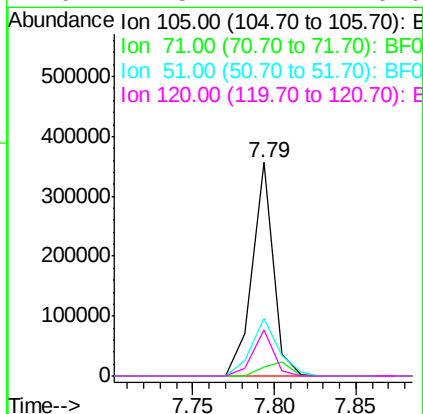
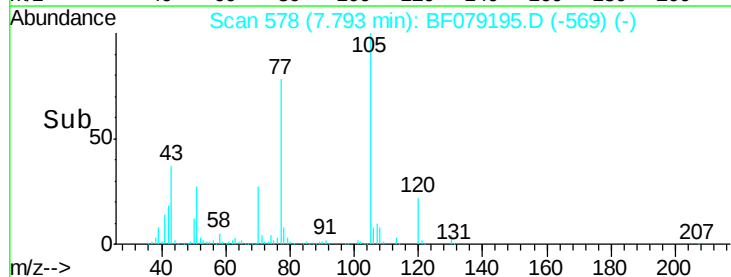
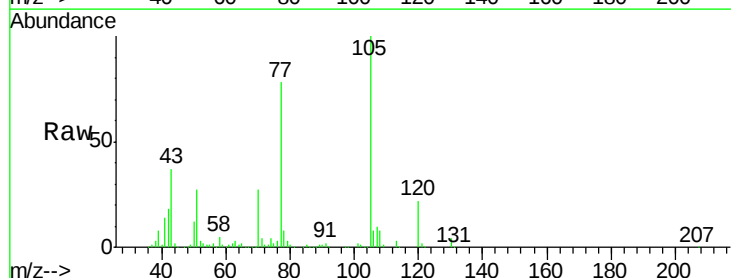
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 340883   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 8.7 13.1 |
| 54          | 10.0  | 5.8 8.8# |
| 68          | 7.2   | 4.2 6.4# |



#22  
Acetophenone  
Concen: 41.33 ng  
RT: 7.79 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 318263    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 4.5   | 4.6 6.8#  |
| 51          | 26.9  | 26.7 40.1 |
| 120         | 21.5  | 17.4 26.0 |

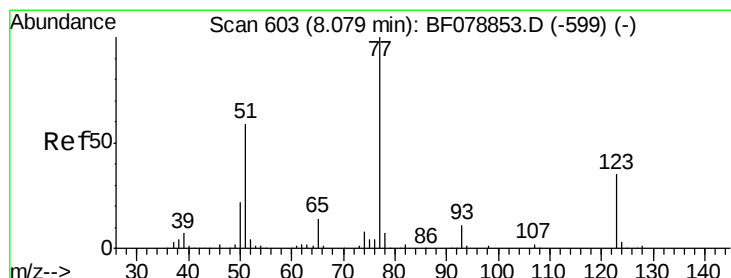
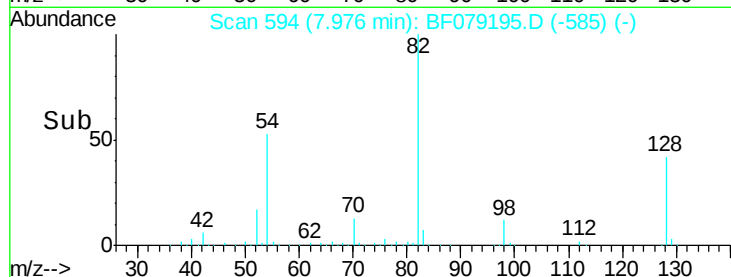
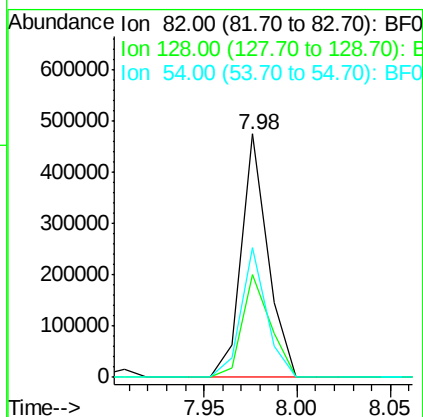
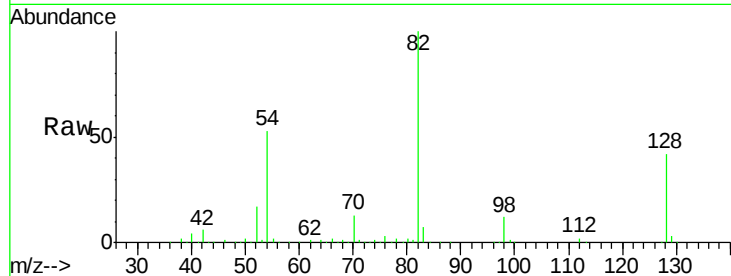




#23  
 Nitrobenzene-d5  
 Concen: 78.92 ng  
 RT: 7.98 min Scan# 594  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

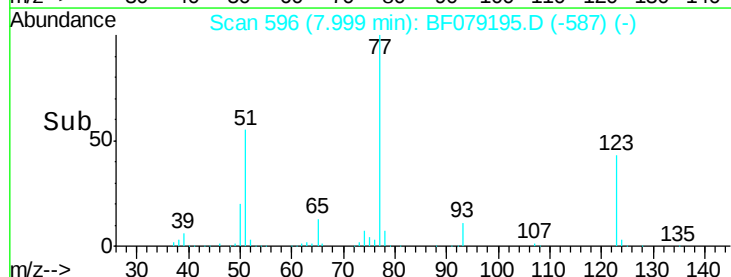
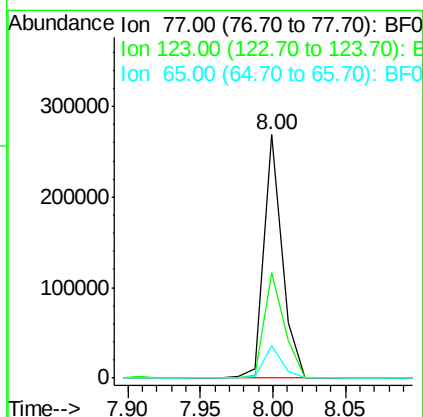
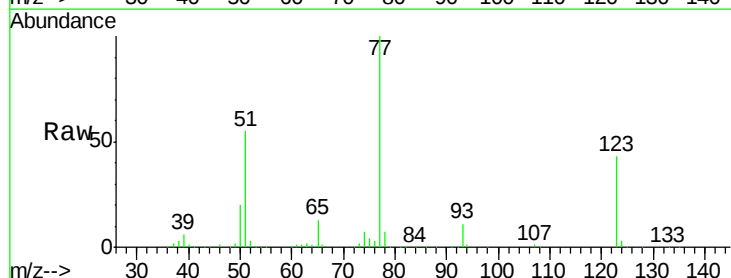
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

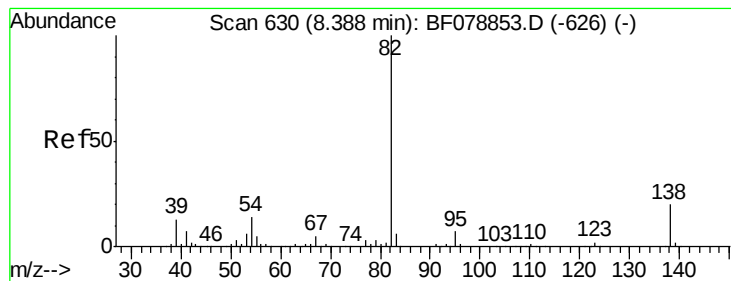
| Tot Ion   | 82    | Resp  | 468125 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.2  | 30.0  | 45.0   |
| 54        | 53.5  | 46.4  | 69.6   |



#24  
 Nitrobenzene  
 Concen: 40.14 ng  
 RT: 8.00 min Scan# 596  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

| Tgt Ion   | 77    | Resp  | 236017 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 43.1  | 31.8  | 47.8   |
| 65        | 13.4  | 10.6  | 15.8   |





#25

Isophorone

Concen: 40.15 ng

RT: 8.30 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

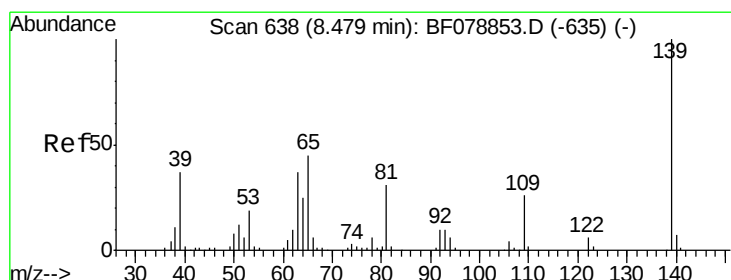
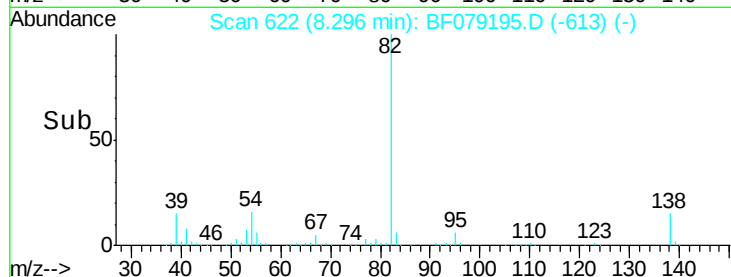
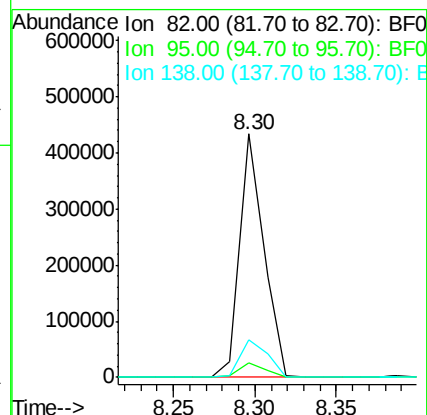
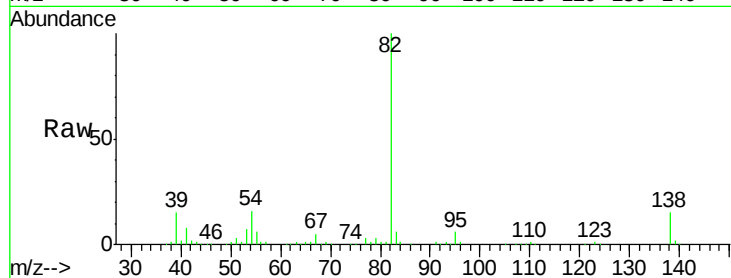
Tot Ion: 82 Resp: 441455

Ion Ratio Lower Upper

82 100

95 6.0 5.3 7.9

138 15.3 12.0 18.0



#26

2-Nitrophenol

Concen: 43.64 ng

RT: 8.39 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

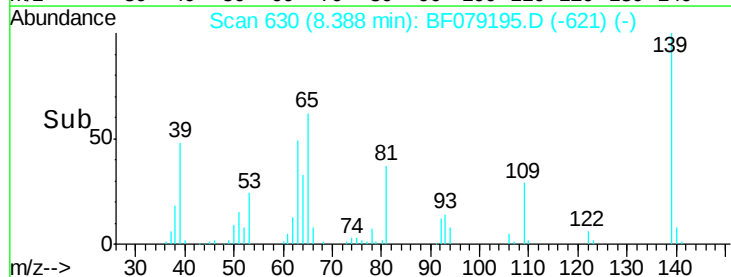
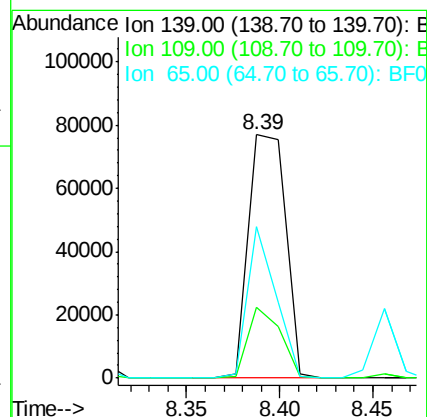
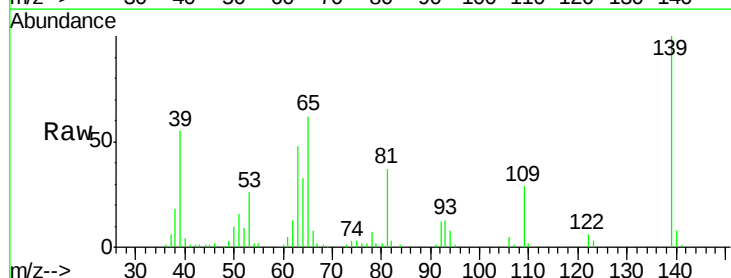
Tgt Ion: 139 Resp: 106204

Ion Ratio Lower Upper

139 100

109 28.9 21.0 31.4

65 62.2 30.5 45.7#





#27

2,4-Dimethylphenol

Concen: 41.51 ng

RT: 8.46 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

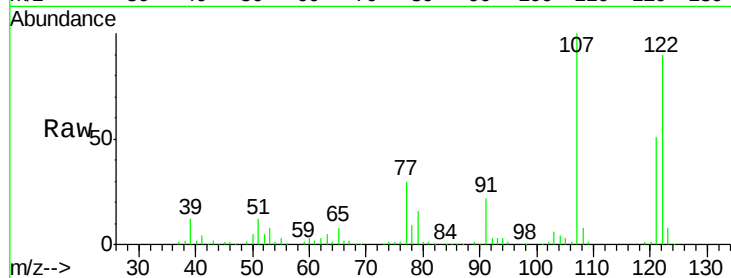
Tot Ion:122 Resp: 202131

Ion Ratio Lower Upper

122 100

107 111.3 90.6 135.8

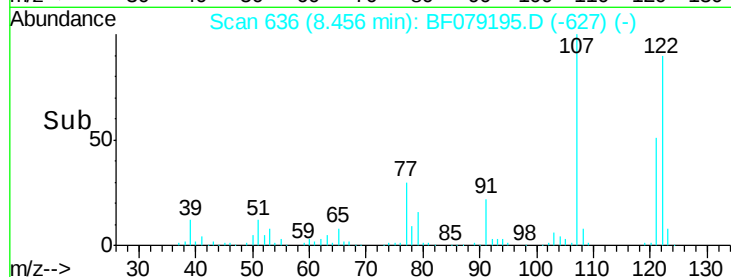
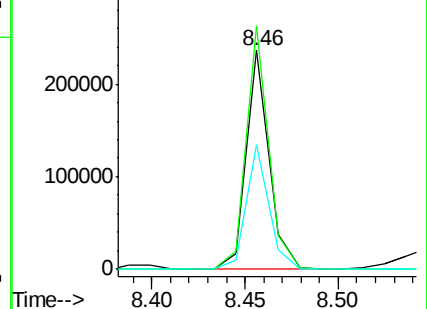
121 57.2 45.4 68.2



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: 39.96 ng

RT: 8.58 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

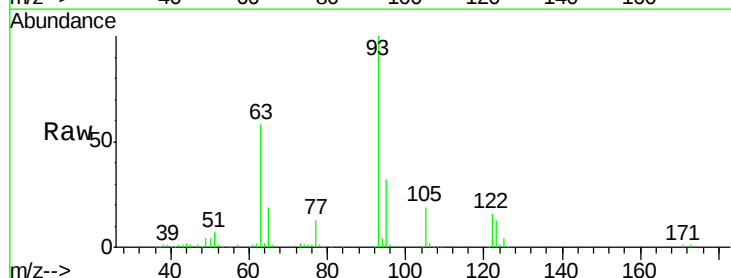
Tgt Ion: 93 Resp: 270853

Ion Ratio Lower Upper

93 100

95 32.4 26.7 40.1

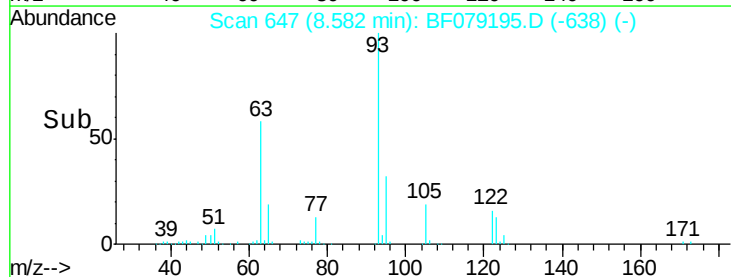
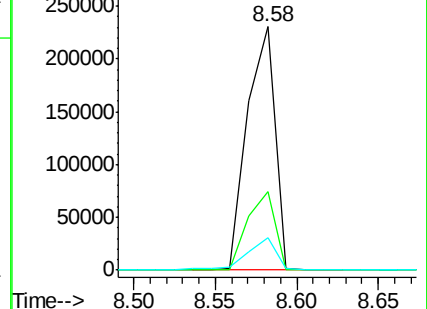
123 13.4 9.1 13.7

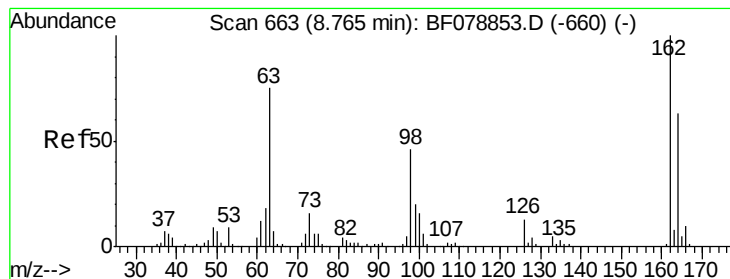


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 44.14 ng

RT: 8.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

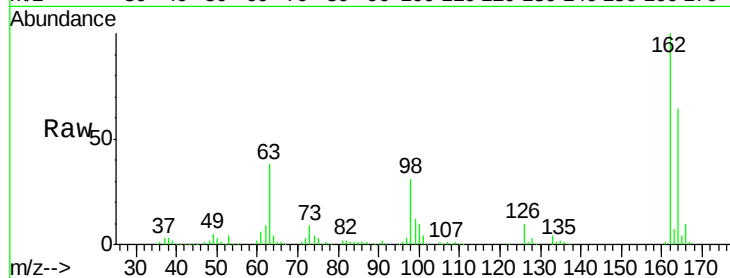
Tot Ion:162 Resp: 191132

Ion Ratio Lower Upper

162 100

164 64.1 43.6 83.6

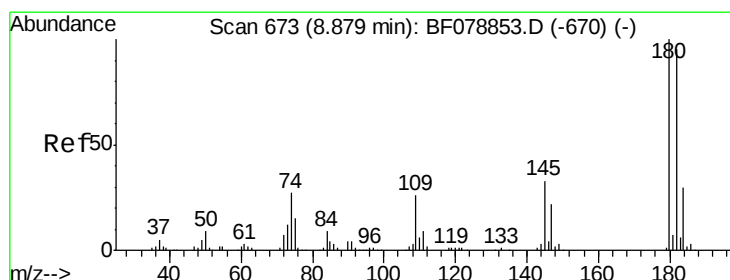
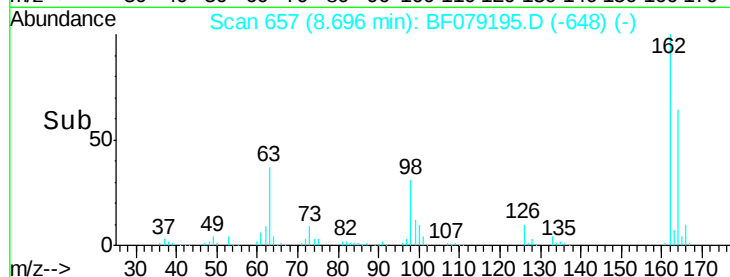
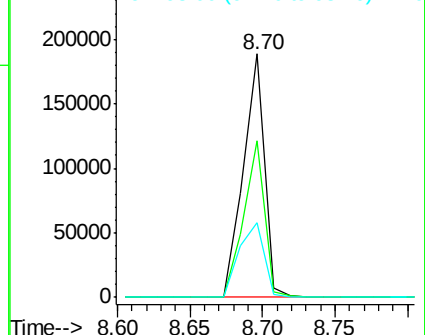
98 30.7 16.5 56.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 40.73 ng

RT: 8.80 min Scan# 666

Delta R.T. 0.01 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

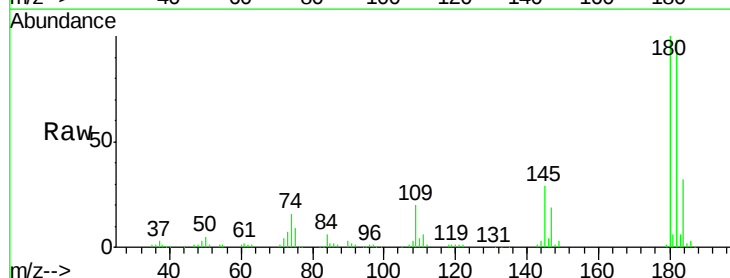
Tgt Ion:180 Resp: 193718

Ion Ratio Lower Upper

180 100

182 97.9 78.9 118.3

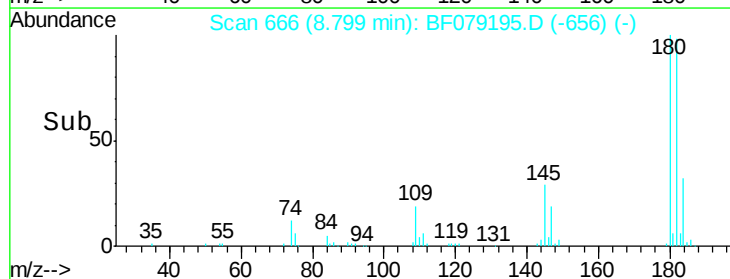
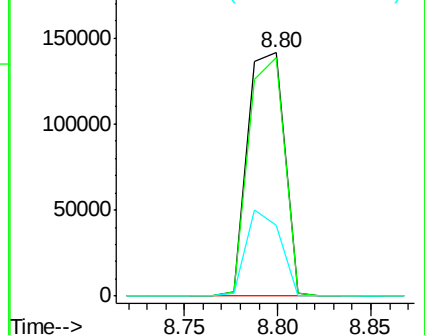
145 29.2 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

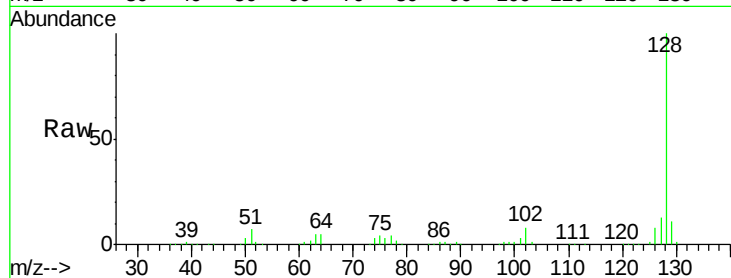




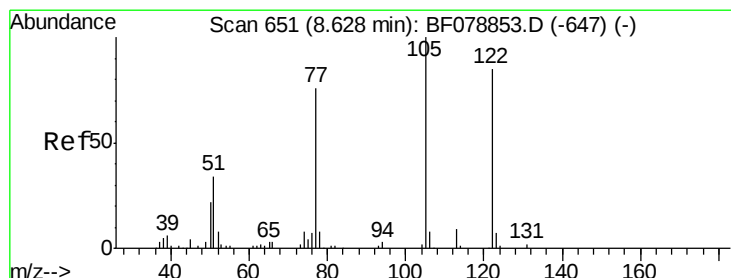
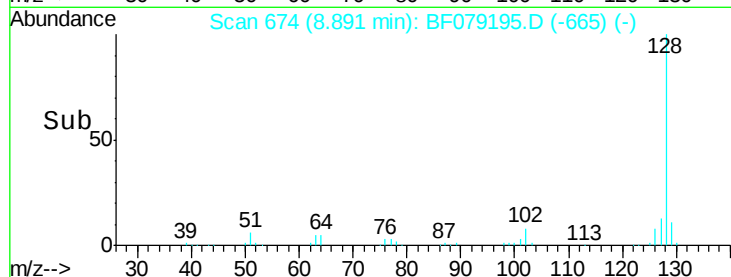
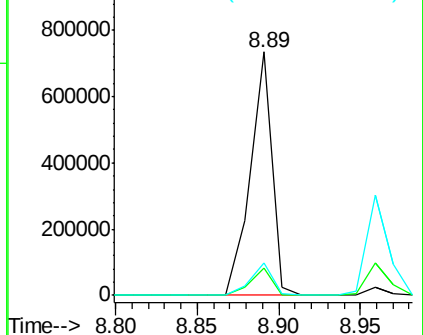
#31  
Naphthalene  
Concen: 41.67 ng  
RT: 8.89 min Scan# 674  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:128 Resp: 676818  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.3 13.9  
127 13.2 10.7 16.1

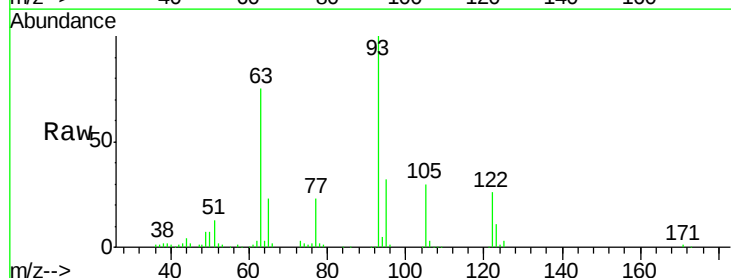


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

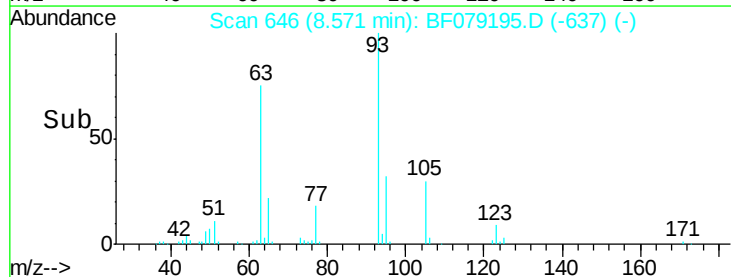
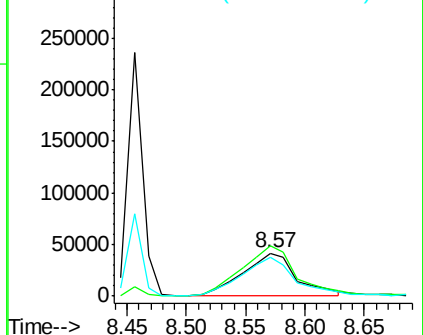


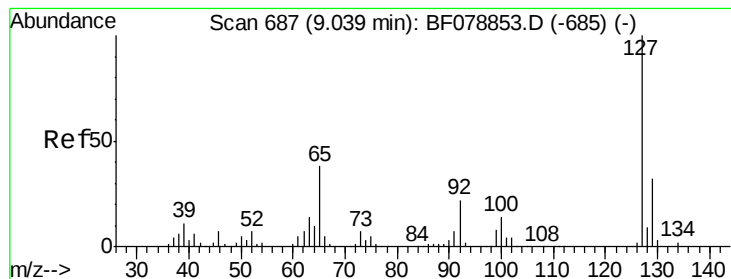
#32  
Benzoic acid  
Concen: 42.44 ng  
RT: 8.57 min Scan# 646  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:122 Resp: 126890  
Ion Ratio Lower Upper  
122 100  
105 117.8 107.1 147.1  
77 89.7 73.9 113.9



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: 41.46 ng

RT: 8.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:127 Resp: 284948

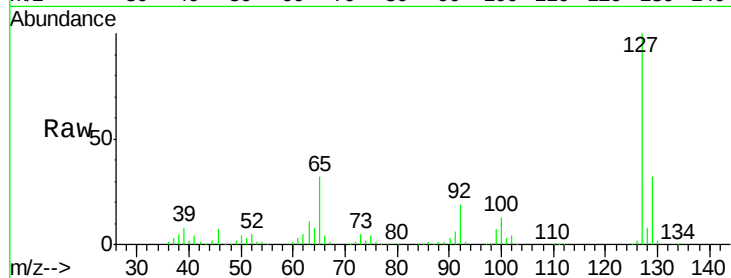
Ion Ratio Lower Upper

127 100

129 31.9 25.8 38.8

65 31.8 25.8 38.6

92 19.4 15.5 23.3

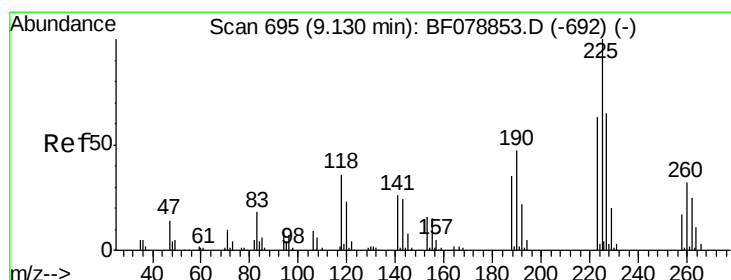
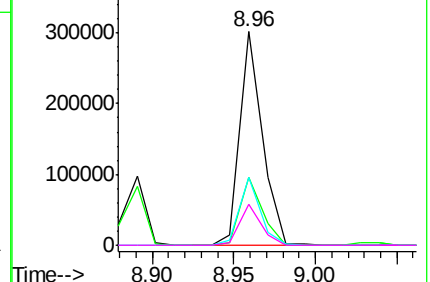
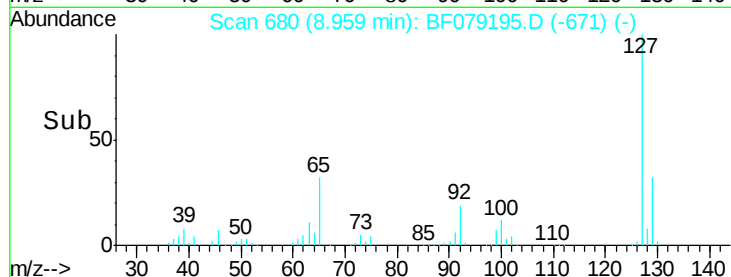


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 39.26 ng

RT: 9.04 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

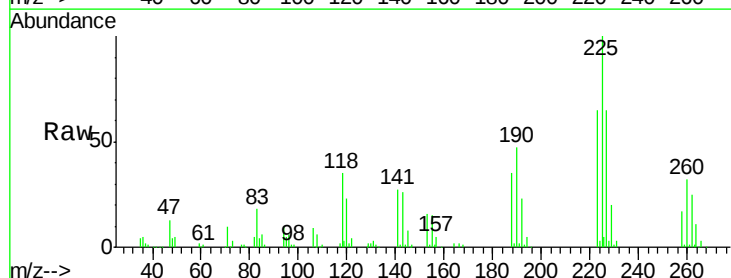
Tgt Ion:225 Resp: 107546

Ion Ratio Lower Upper

225 100

223 64.7 48.2 72.4

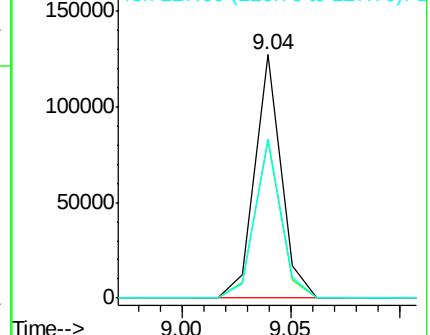
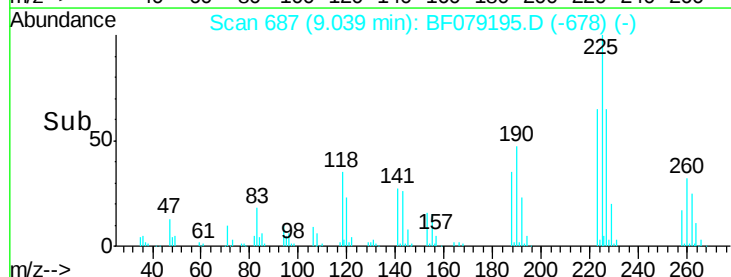
227 65.3 51.4 77.0



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 45.50 ng

RT: 9.40 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

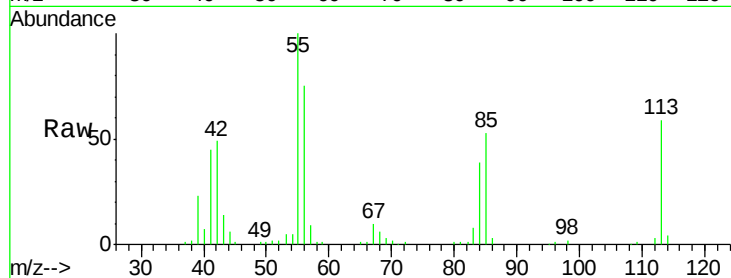
Tot Ion:113 Resp: 63714

Ion Ratio Lower Upper

113 100

55 169.7 169.7 209.7#

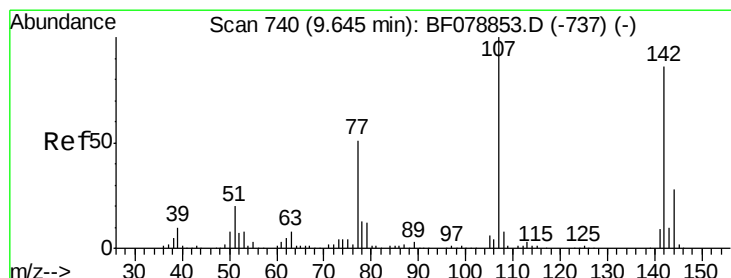
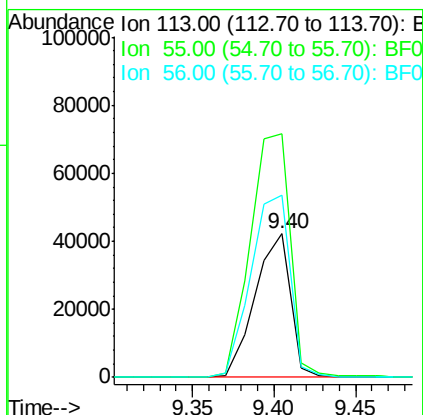
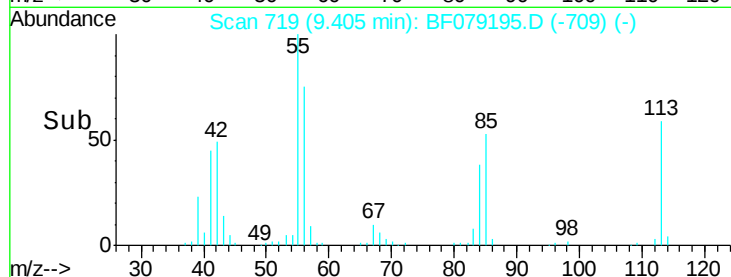
56 127.3 122.5 162.5



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 42.94 ng

RT: 9.58 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

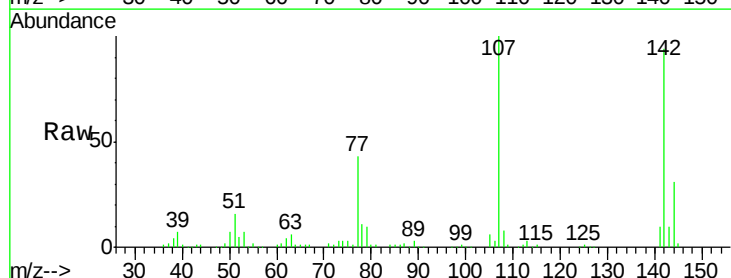
Tgt Ion:107 Resp: 195269

Ion Ratio Lower Upper

107 100

144 30.9 19.8 29.6#

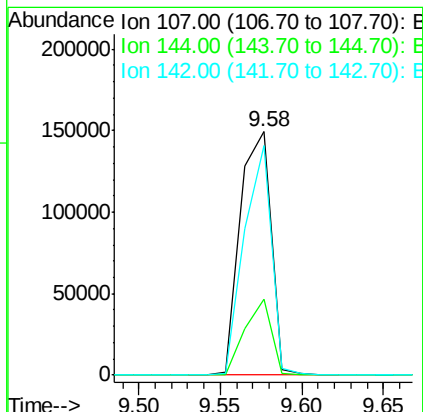
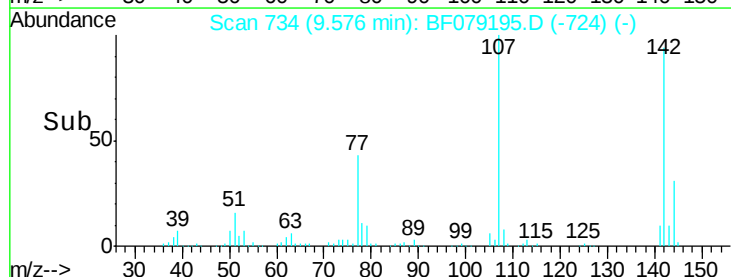
142 94.3 60.6 91.0#

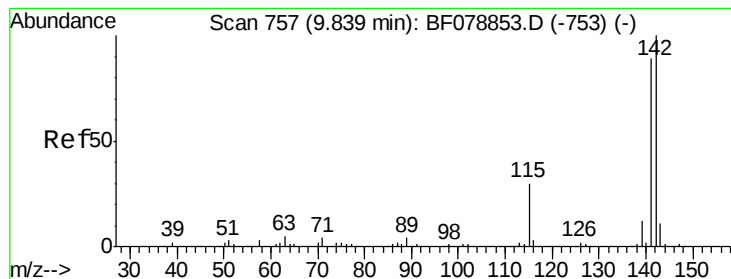


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 41.81 ng

RT: 9.75 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

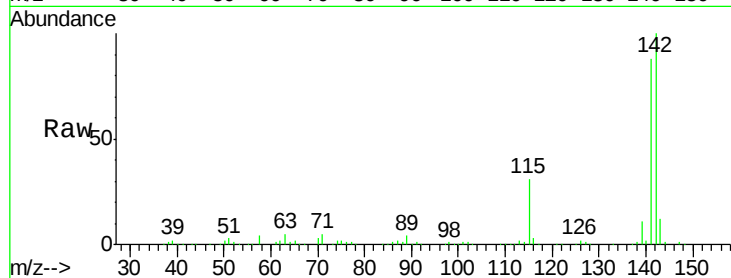
Tot Ion:142 Resp: 470645

Ion Ratio Lower Upper

142 100

141 88.1 70.9 106.3

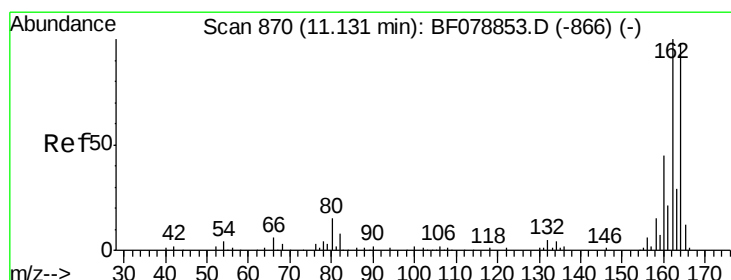
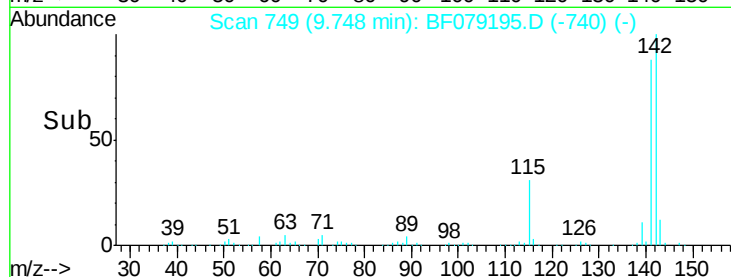
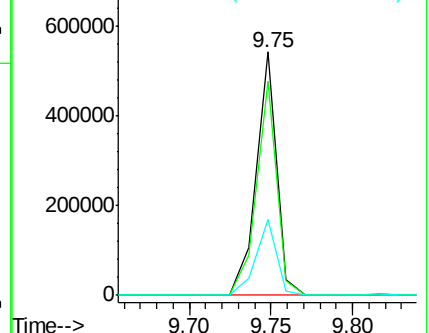
115 31.0 28.5 42.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.04 min Scan# 862

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

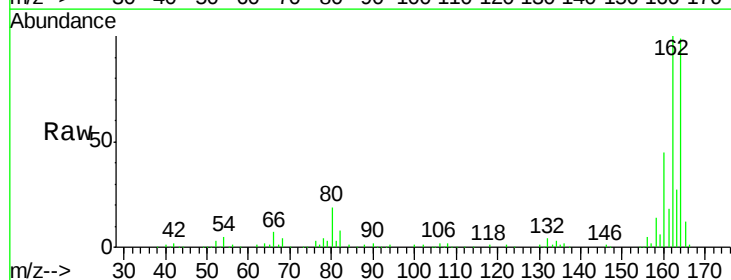
Tgt Ion:164 Resp: 171346

Ion Ratio Lower Upper

164 100

162 100.8 82.7 124.1

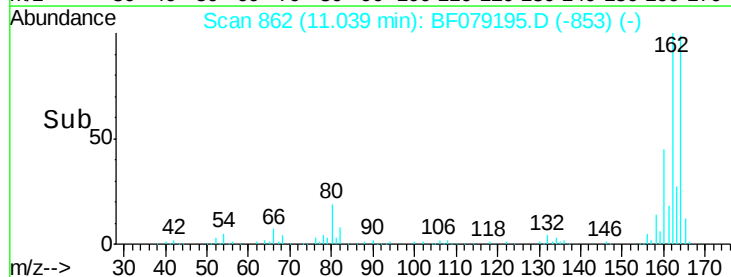
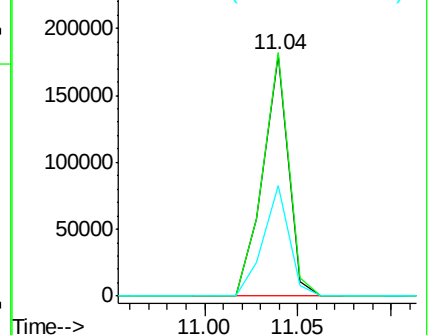
160 45.7 35.8 53.8

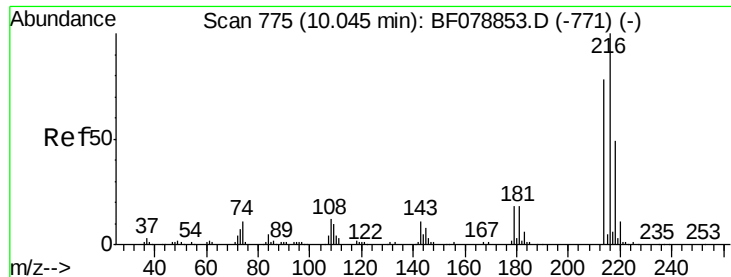


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

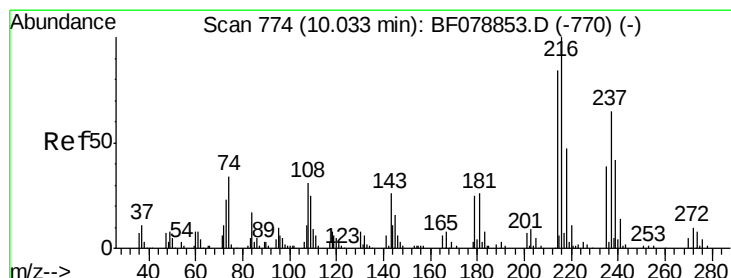
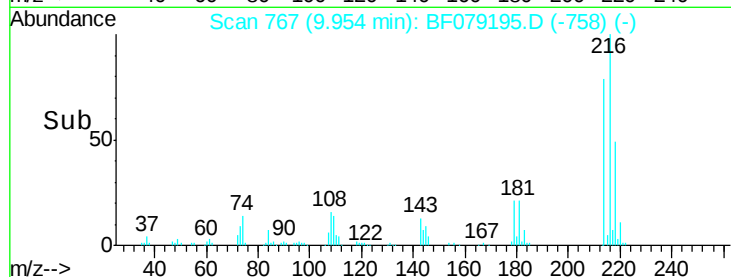
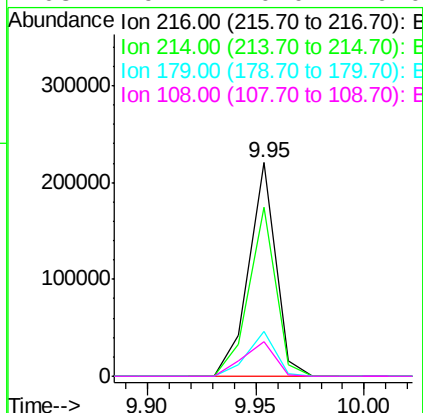
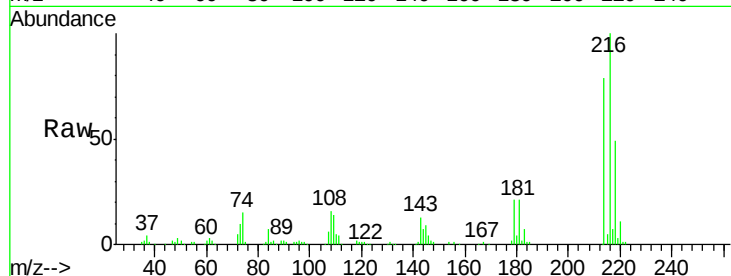




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.53 ng  
 RT: 9.95 min Scan# 767  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

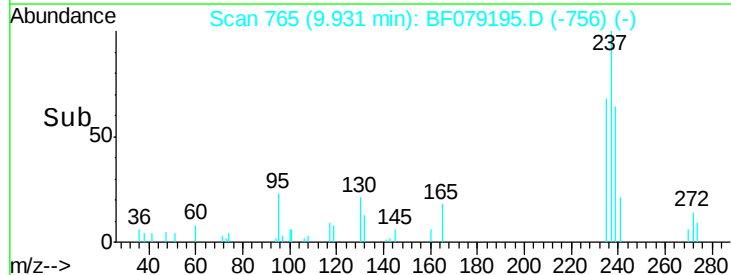
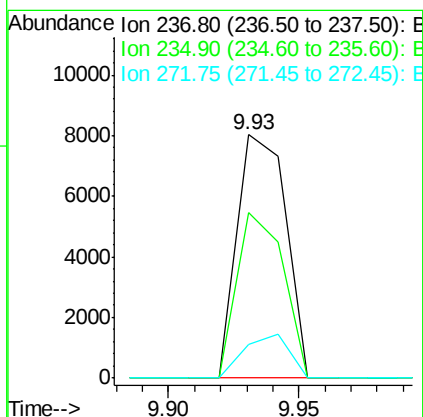
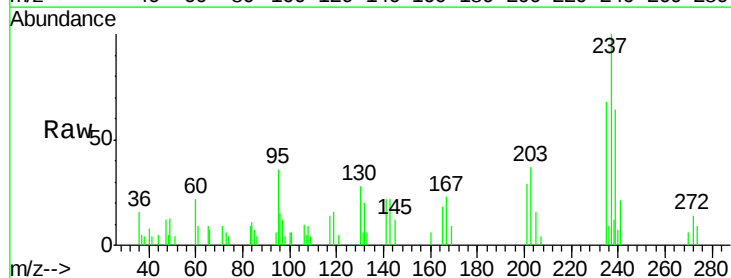
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

|             |       |          |
|-------------|-------|----------|
| Tot Ion:216 | Resp: | 190757   |
| Ion Ratio   | Lower | Upper    |
| 216         | 100   |          |
| 214         | 79.0  | 0.0 0.0# |
| 179         | 21.9  | 0.0 0.0# |
| 108         | 19.4  | 0.0 0.0# |



#40  
 Hexachlorocyclopentadiene  
 Concen: 4.34 ng  
 RT: 9.93 min Scan# 765  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 10521     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 67.9  | 44.7 84.7 |
| 272         | 13.8  | 0.0 32.6  |

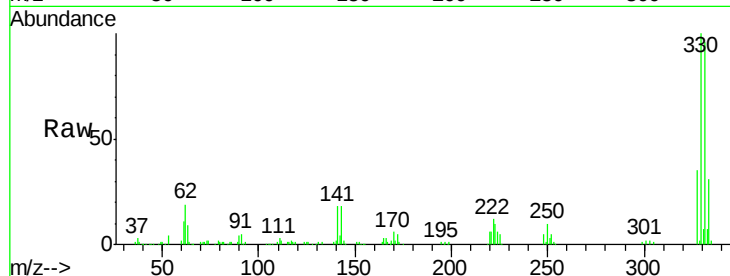




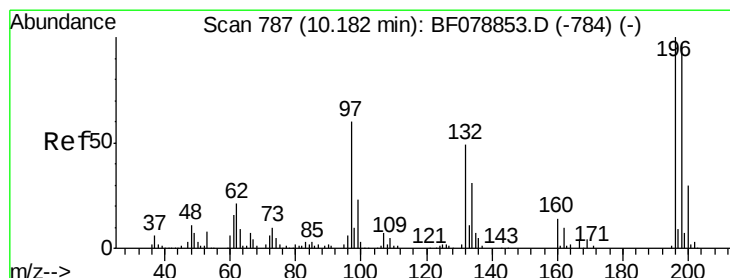
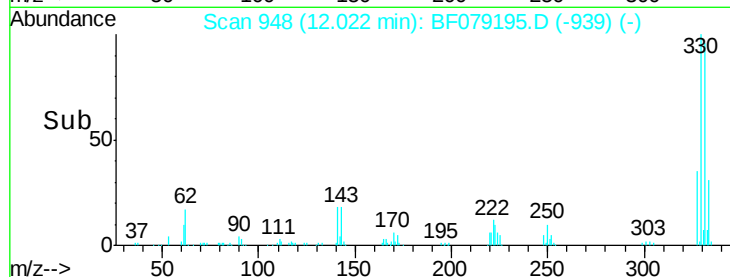
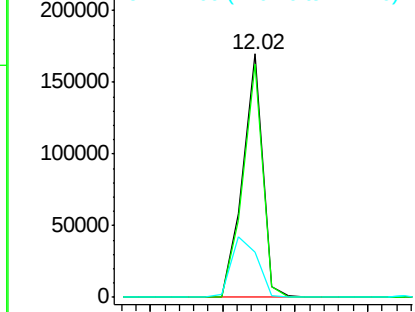
#41  
 2,4,6-Tribromophenol  
 Concen: 88.37 ng  
 RT: 12.02 min Scan# 948  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.7  | 0.0   | 0.0#  |
| 141     | 32.0  | 0.0   | 0.0#  |

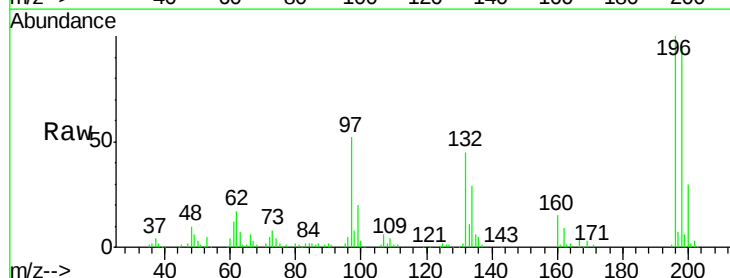


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

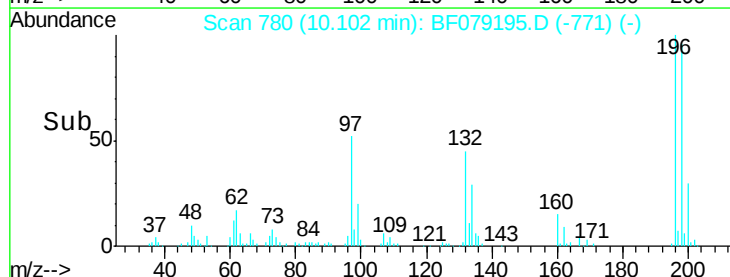
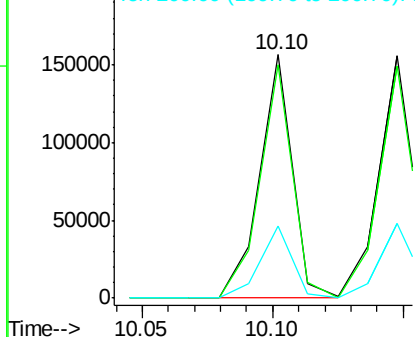


#42  
 2,4,6-Trichlorophenol  
 Concen: 41.38 ng  
 RT: 10.10 min Scan# 780  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 80.5  | 120.7 |
| 200     | 29.8  | 24.9  | 37.3  |



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

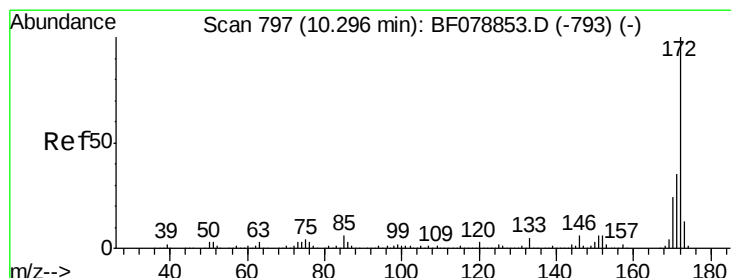
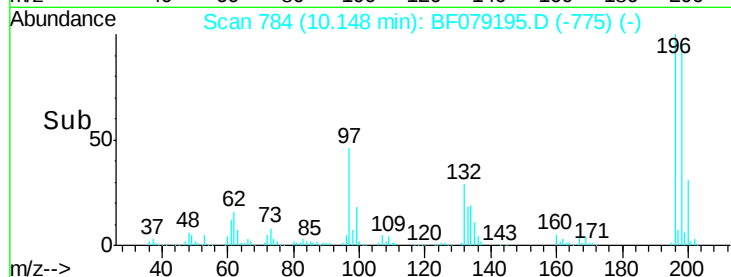
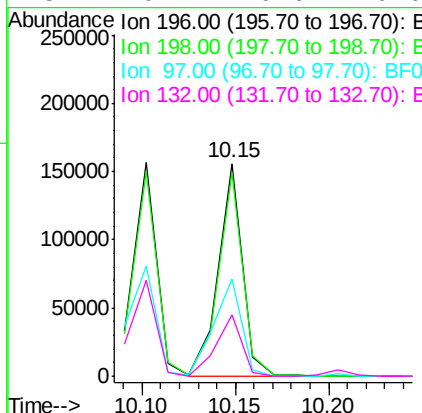
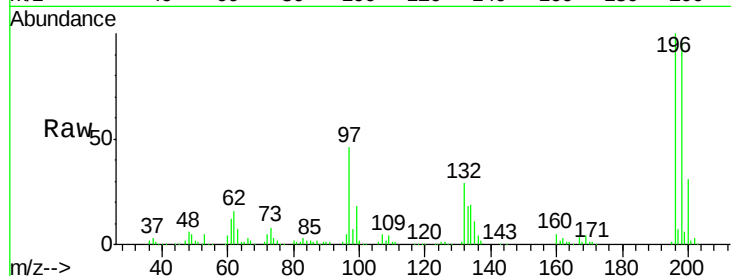




#43  
 2,4,5-Trichlorophenol  
 Concen: 42.04 ng  
 RT: 10.15 min Scan# 784  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

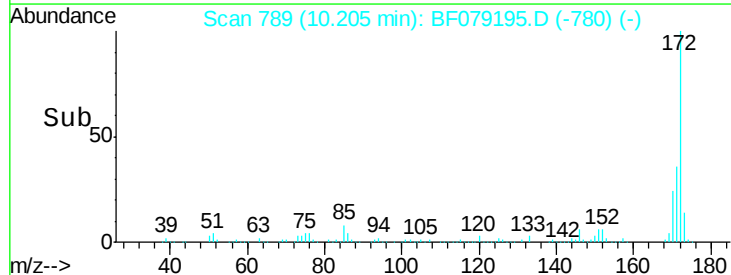
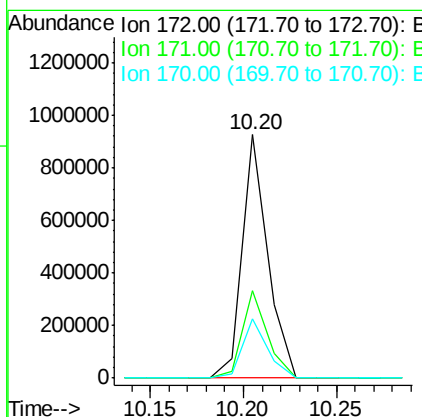
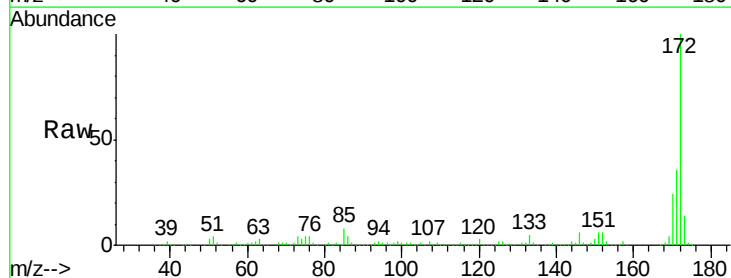
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

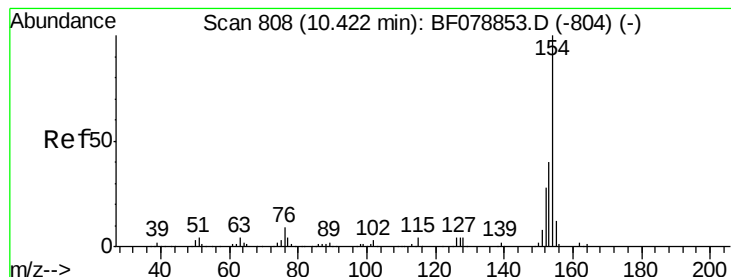
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 141015 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 95.6  | 79.8  | 119.6  |
| 97       | 45.8  | 46.0  | 69.0#  |
| 132      | 29.1  | 26.6  | 40.0   |



#44  
 2-Fluorobiphenyl  
 Concen: 71.52 ng  
 RT: 10.20 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 879597 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.9  | 27.9  | 41.9   |
| 170      | 24.5  | 19.4  | 29.0   |





#45

1,1'-Biphenyl

Concen: 40.07 ng

RT: 10.33 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

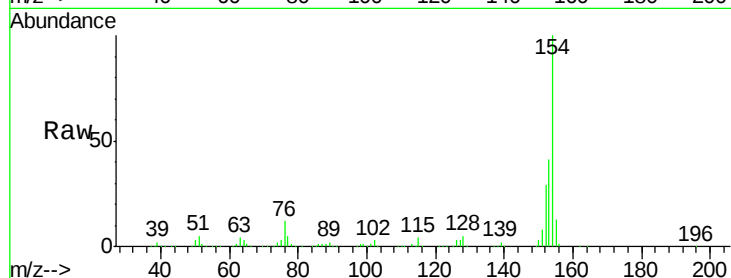
Tot Ion:154 Resp: 545863

Ion Ratio Lower Upper

154 100

153 40.6 19.9 59.9

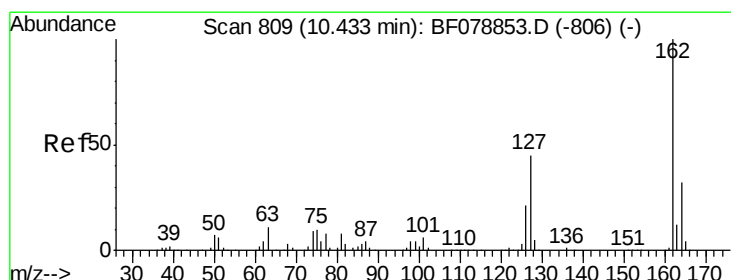
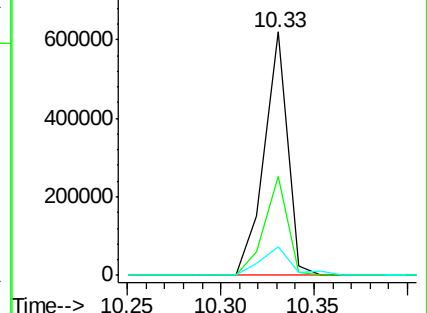
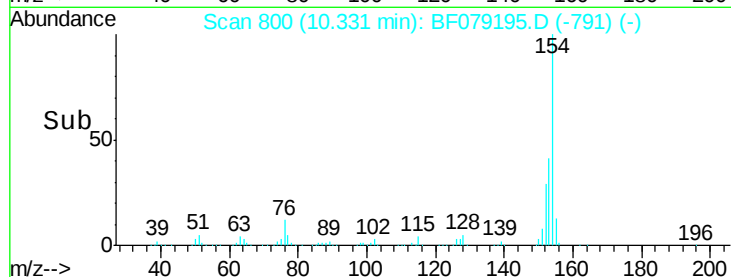
76 11.6 0.0 35.0



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: 40.00 ng

RT: 10.35 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

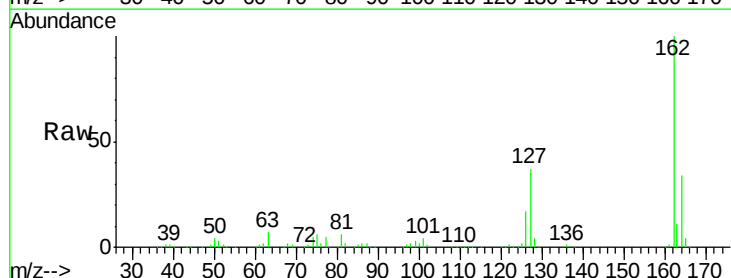
Tgt Ion:162 Resp: 424993

Ion Ratio Lower Upper

162 100

127 36.6 33.9 50.9

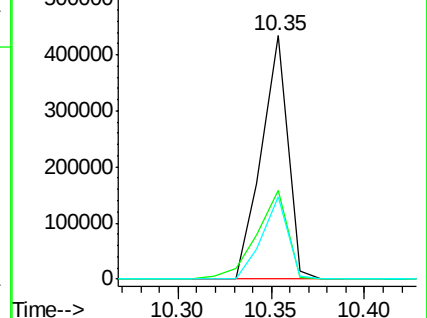
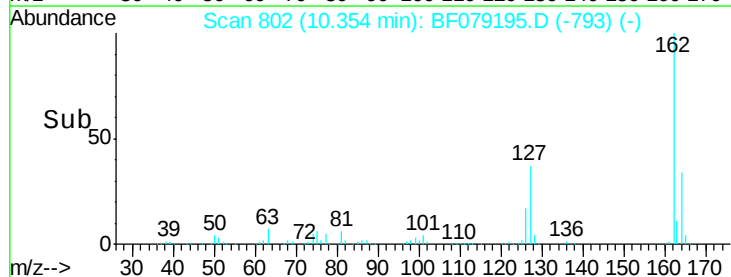
164 33.7 26.3 39.5



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

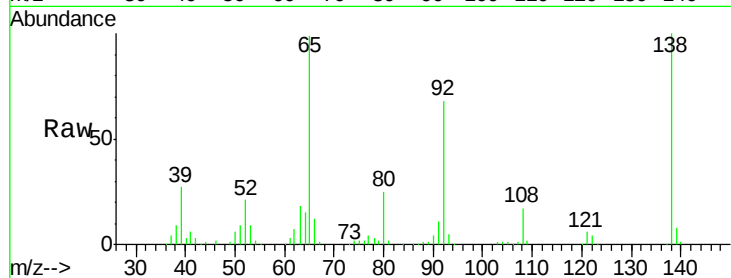




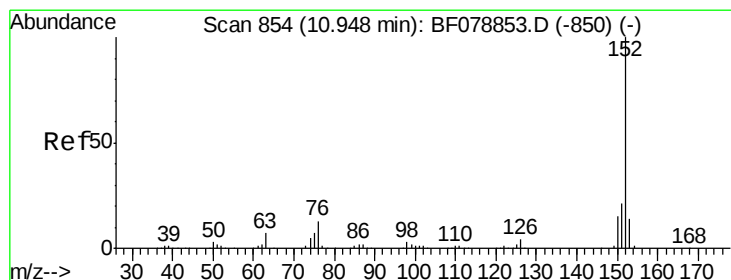
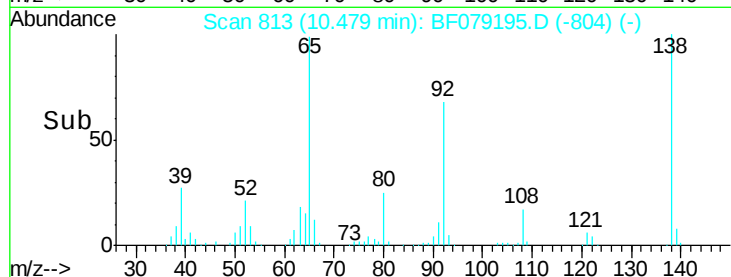
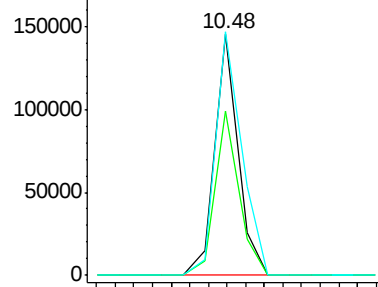
#47  
2-Nitroaniline  
Concen: 41.59 ng  
RT: 10.48 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion: 65 Resp: 128044  
Ion Ratio Lower Upper  
65 100  
92 68.1 54.0 81.0  
138 100.8 75.0 112.6

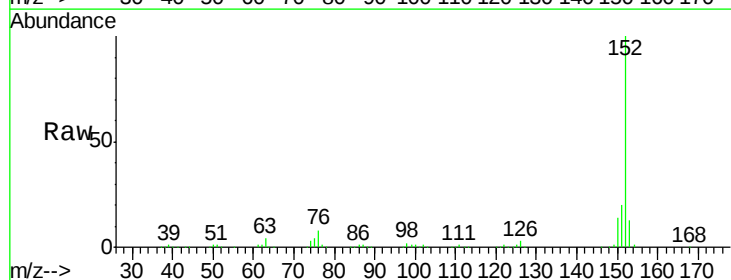


Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

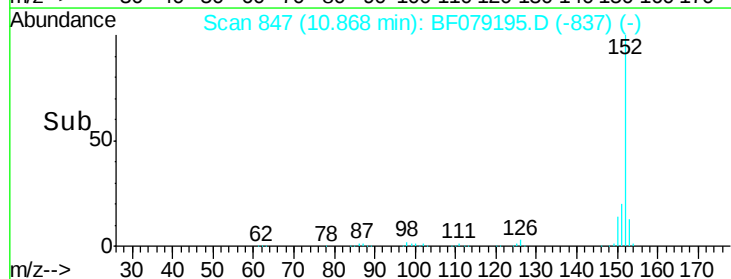
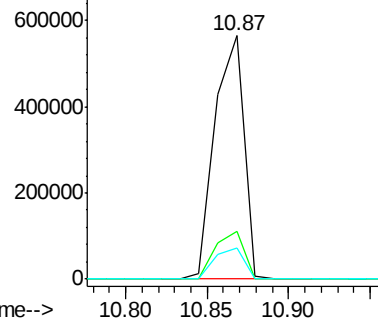


#48  
Acenaphthylene  
Concen: 39.86 ng  
RT: 10.87 min Scan# 847  
Delta R.T. 0.01 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion: 152 Resp: 695384  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.2 24.4  
153 12.8 10.9 16.3



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

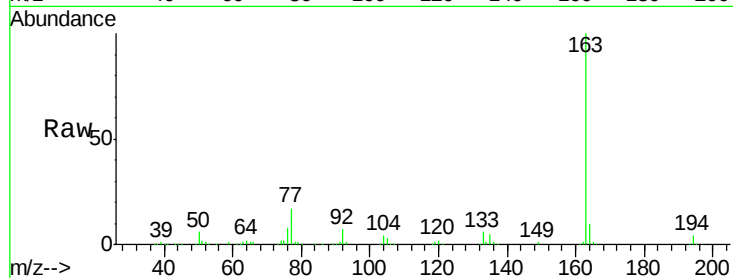




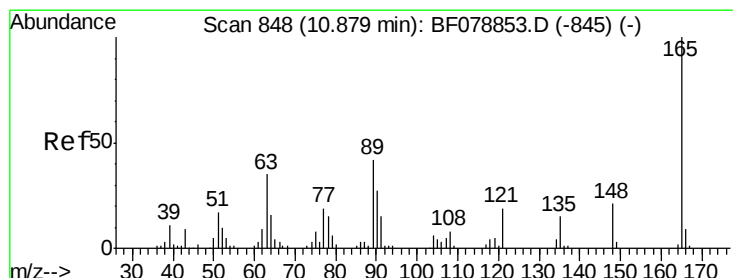
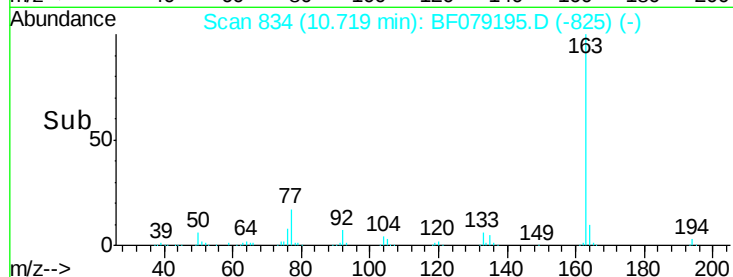
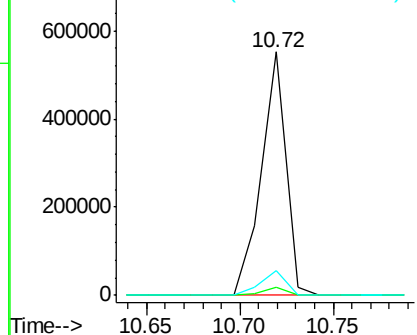
#49  
Dimethylphthalate  
Concen: 39.93 ng  
RT: 10.72 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:163 Resp: 502135  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.6 4.0  
164 10.1 8.1 12.1

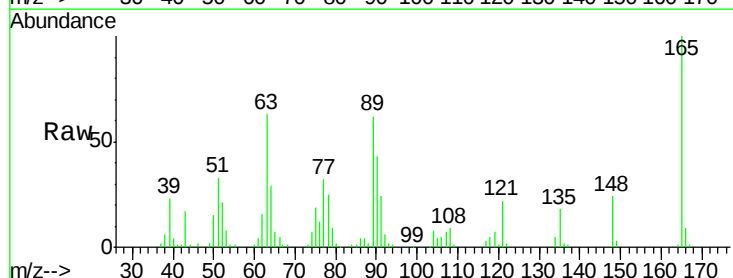


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

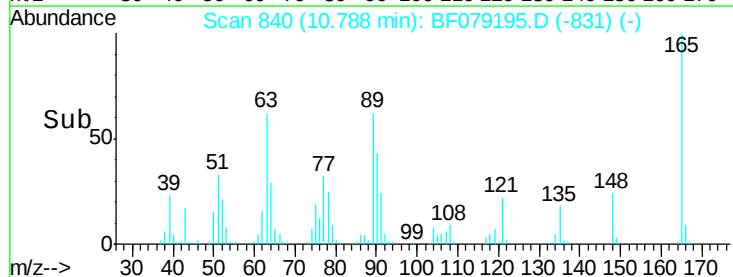
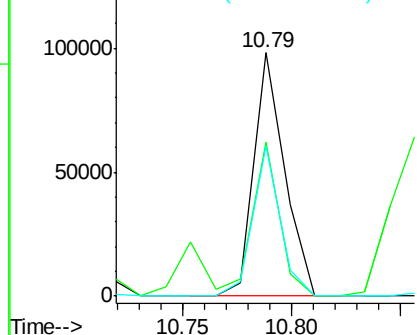


#50  
2,6-Dinitrotoluene  
Concen: 38.74 ng  
RT: 10.79 min Scan# 840  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:165 Resp: 96134  
Ion Ratio Lower Upper  
165 100  
63 63.2 54.4 81.6  
89 61.9 55.7 83.5



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: 36.60 ng

RT: 11.07 min Scan# 865

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

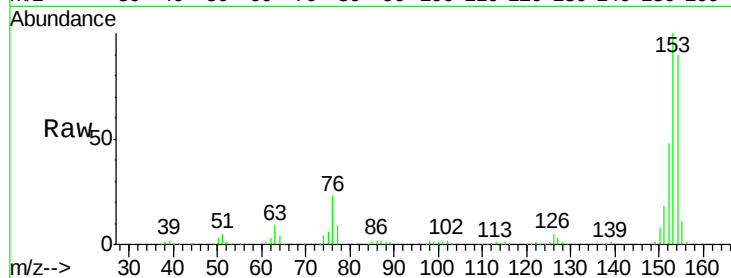
Tot Ion:154 Resp: 380740

Ion Ratio Lower Upper

154 100

153 111.7 91.5 137.3

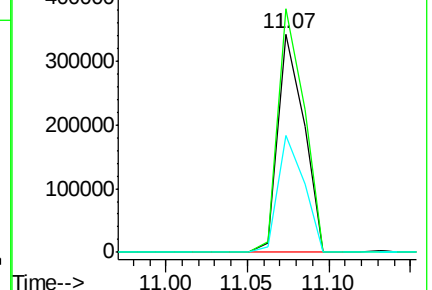
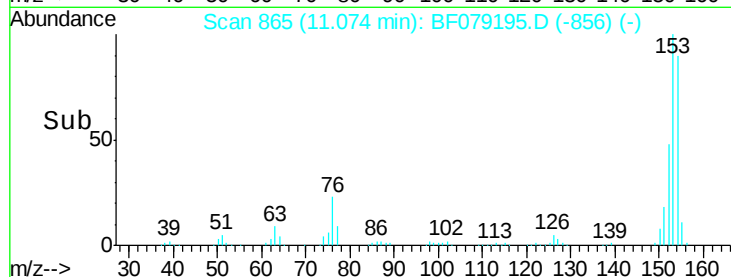
152 53.9 44.2 66.4



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: 45.45 ng

RT: 10.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

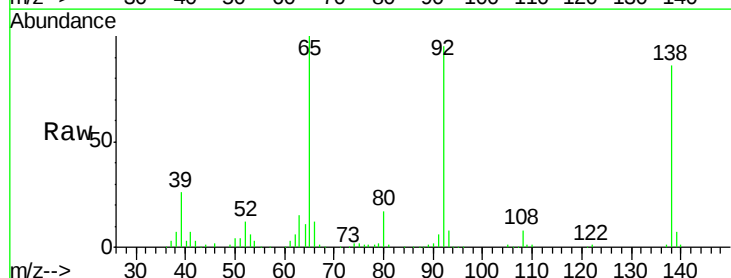
Tgt Ion:138 Resp: 140890

Ion Ratio Lower Upper

138 100

108 9.3 10.6 16.0#

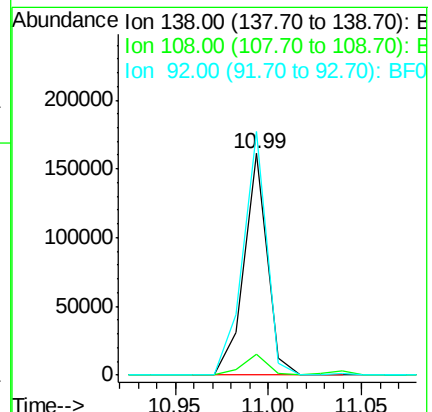
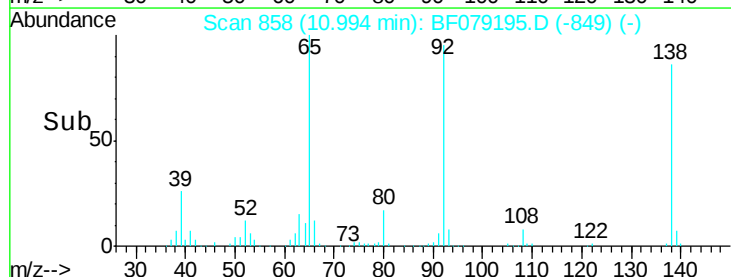
92 110.0 81.8 122.6



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

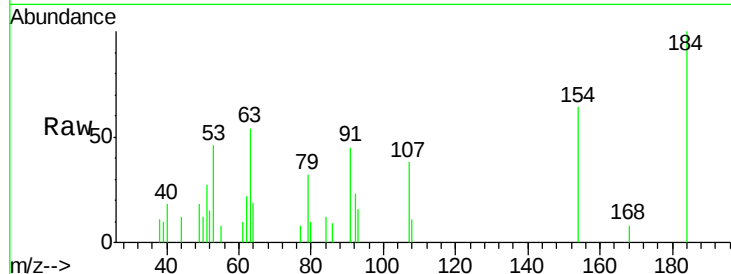




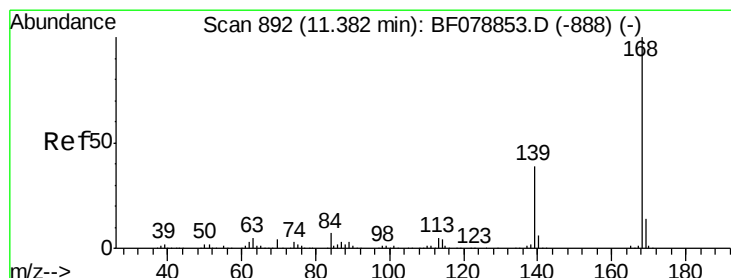
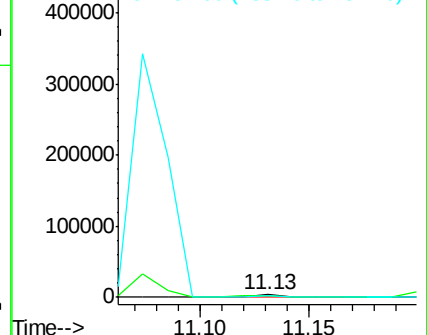
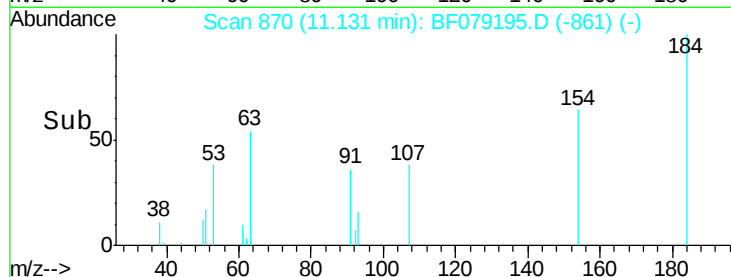
#53  
2,4-Dinitrophenol  
Concen: 9.44 ng  
RT: 11.13 min Scan# 870  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:184 Resp: 4081  
Ion Ratio Lower Upper  
184 100  
63 54.2 63.3 94.9#  
154 64.1 53.8 80.6

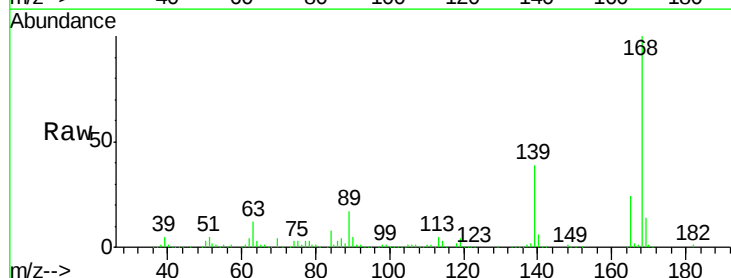


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

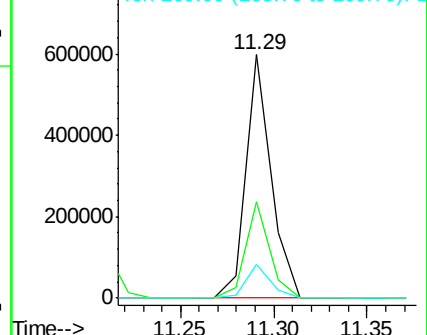
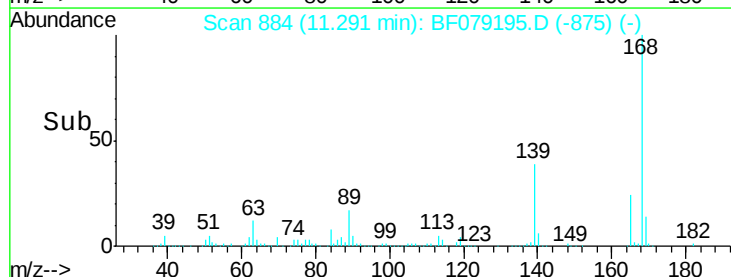


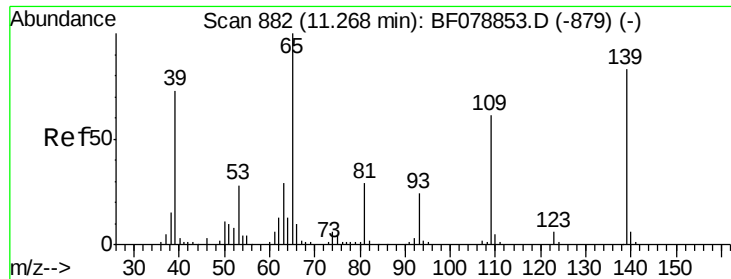
#54  
Dibenzofuran  
Concen: 37.26 ng  
RT: 11.29 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:168 Resp: 559871  
Ion Ratio Lower Upper  
168 100  
139 39.4 31.0 46.4  
169 13.9 10.6 16.0



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

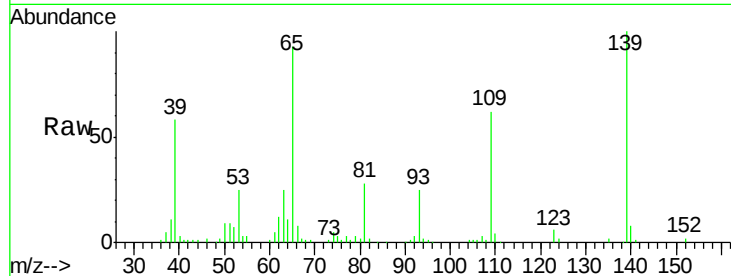




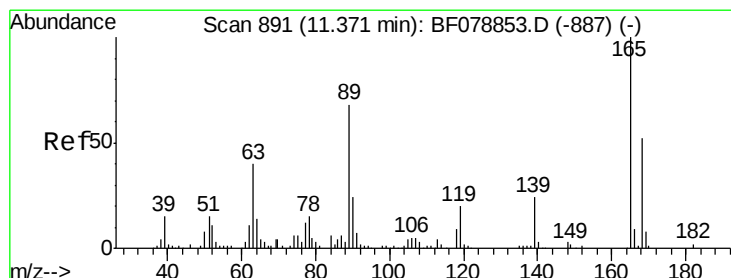
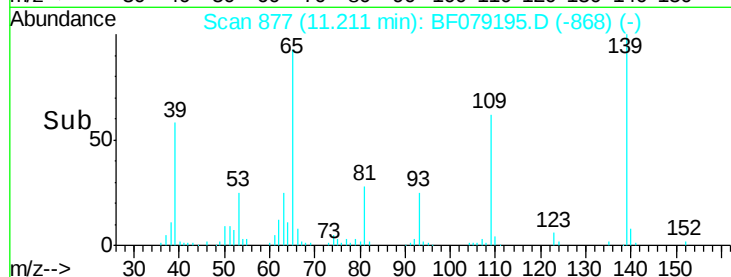
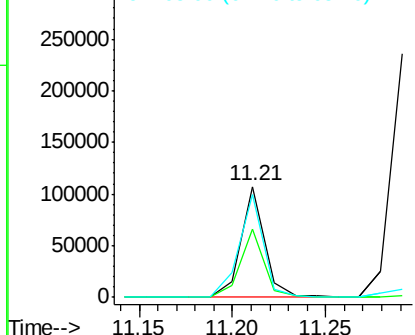
#55  
4-Nitrophenol  
Concen: 38.90 ng  
RT: 11.21 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:139 Resp: 95455  
Ion Ratio Lower Upper  
139 100  
109 62.1 47.6 87.6  
65 93.1 54.3 94.3

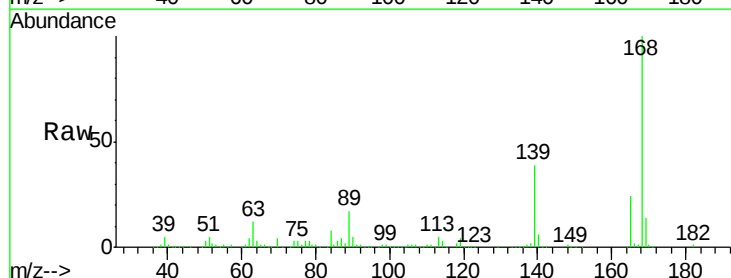


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

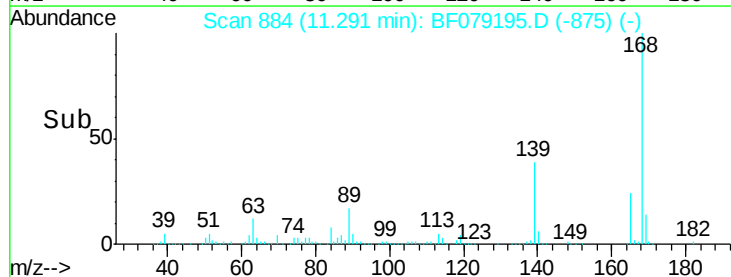
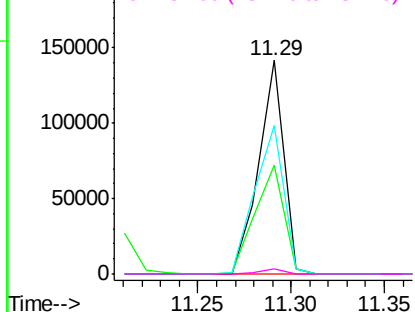


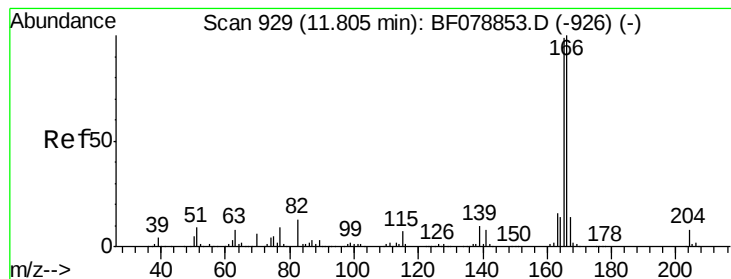
#56  
2,4-Dinitrotoluene  
Concen: 40.10 ng  
RT: 11.29 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:165 Resp: 131566  
Ion Ratio Lower Upper  
165 100  
63 51.1 51.2 76.8#  
89 69.6 82.7 124.1#  
182 2.2 1.4 2.2#



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: 37.56 ng

RT: 11.71 min Scan# 921

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

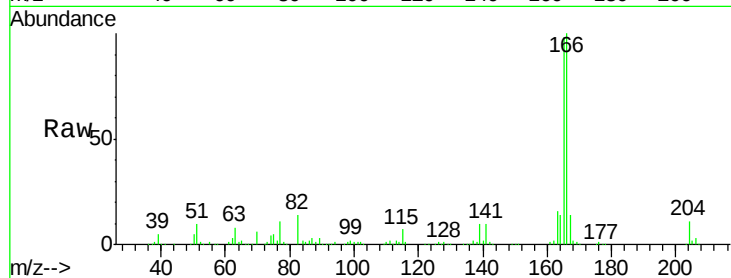
Tot Ion:166 Resp: 463291

Ion Ratio Lower Upper

166 100

165 98.2 78.5 117.7

167 13.5 11.0 16.6

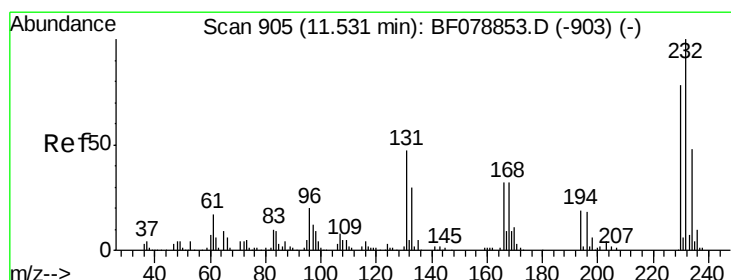
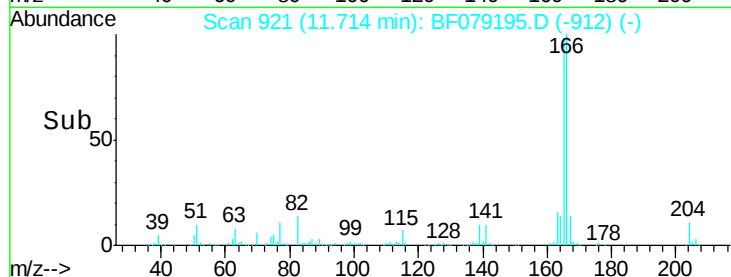
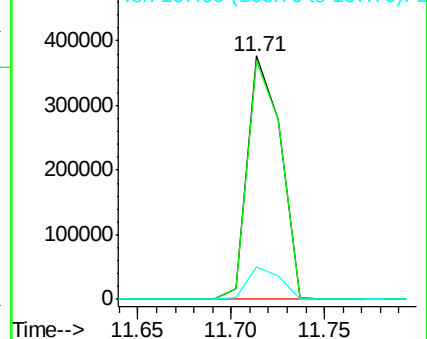


Abundance

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: 38.48 ng

RT: 11.45 min Scan# 898

Delta R.T. 0.01 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Tgt Ion:232 Resp: 105477

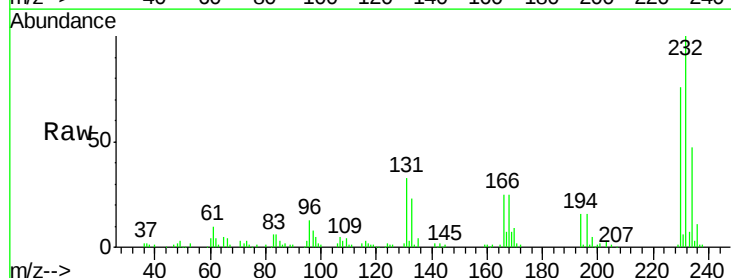
Ion Ratio Lower Upper

232 100

131 51.2 0.0 0.0#

130 2.4 0.0 0.0#

166 32.8 0.0 0.0#



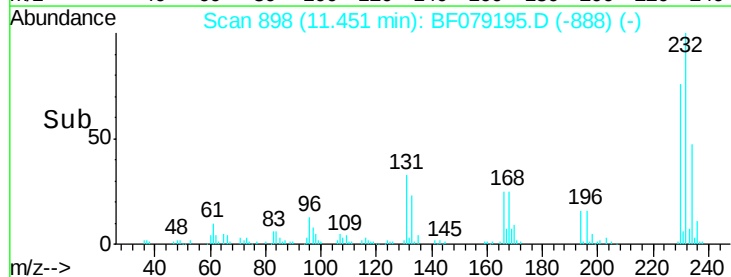
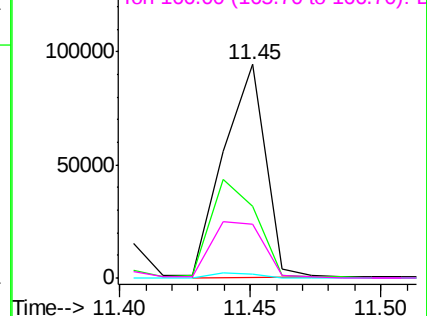
Abundance

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: 38.07 ng

RT: 11.59 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

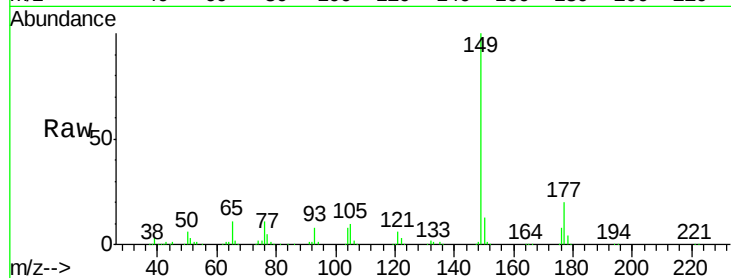
Tot Ion:149 Resp: 474309

Ion Ratio Lower Upper

149 100

177 19.5 17.5 26.3

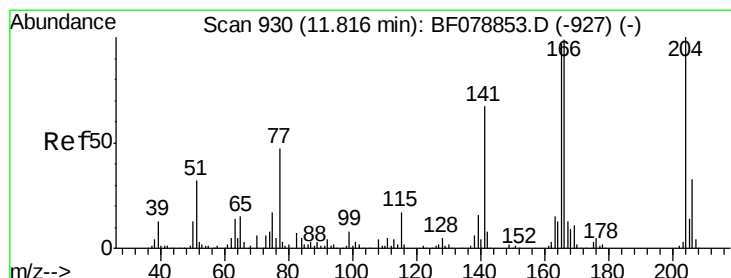
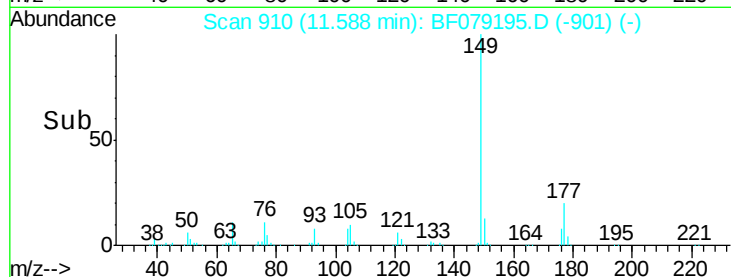
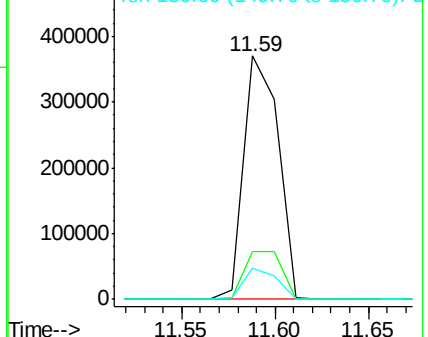
150 12.9 9.6 14.4



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: 37.85 ng

RT: 11.73 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

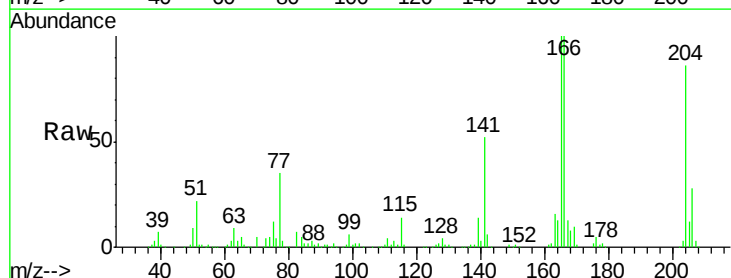
Tgt Ion:204 Resp: 207126

Ion Ratio Lower Upper

204 100

206 32.9 26.9 40.3

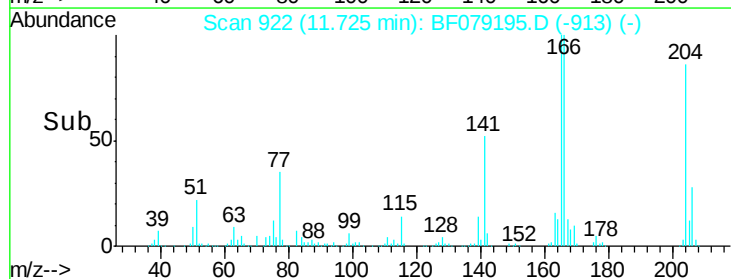
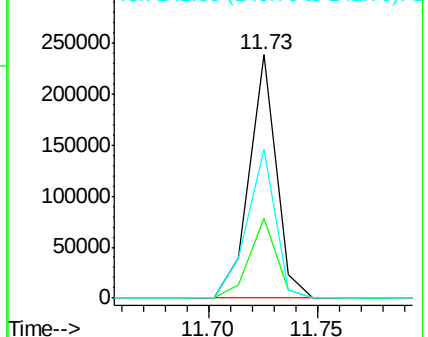
141 61.0 48.3 72.5



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

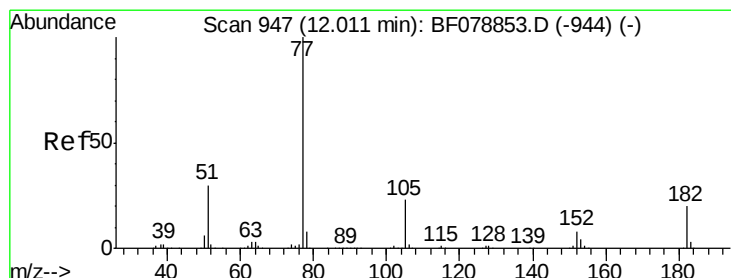
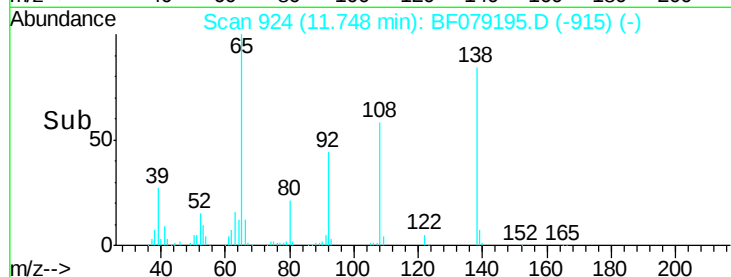
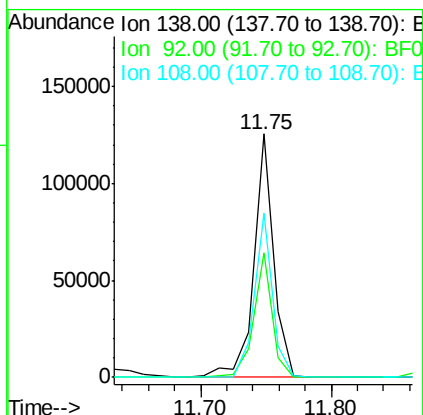
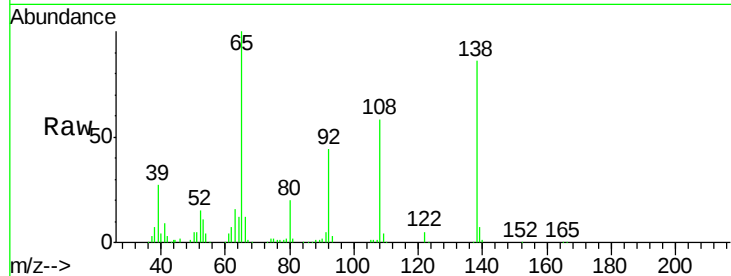




#61  
4-Nitroaniline  
Concen: 43.00 ng  
RT: 11.75 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

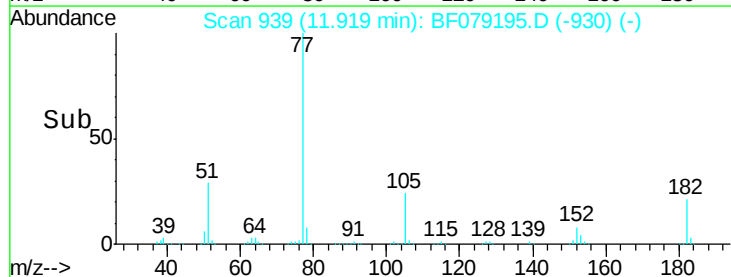
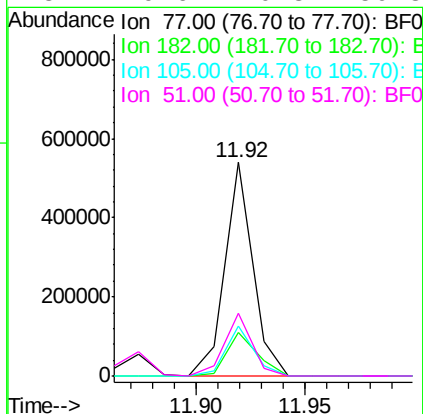
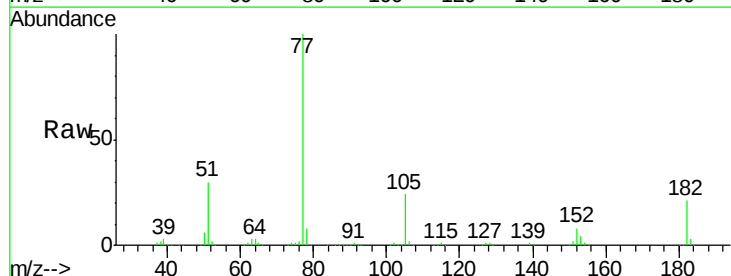
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:138 Resp: 133372  
Ion Ratio Lower Upper  
138 100  
92 51.2 28.0 68.0  
108 67.3 56.3 96.3



#62  
Azobenzene  
Concen: 39.13 ng  
RT: 11.92 min Scan# 939  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion: 77 Resp: 480353  
Ion Ratio Lower Upper  
77 100  
182 20.6 3.8 43.8  
105 23.6 3.9 43.9  
51 29.6 10.8 50.8

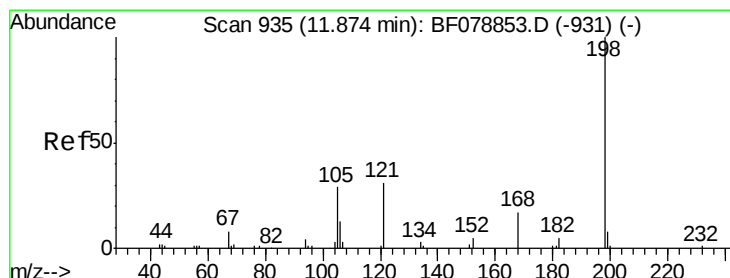
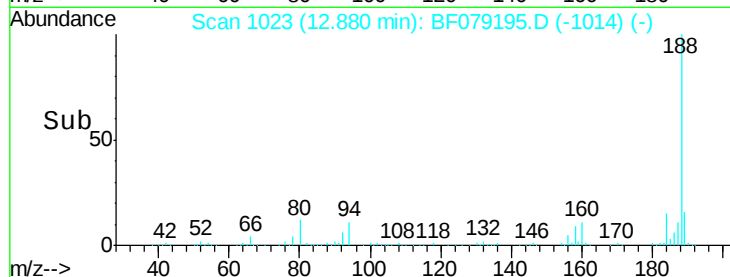
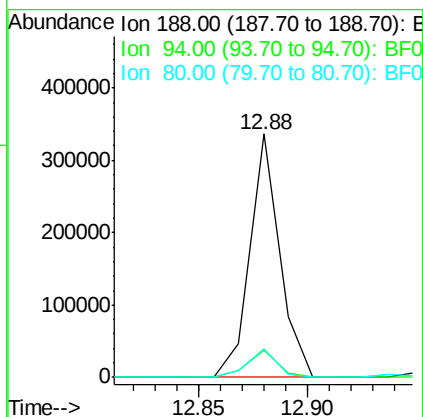
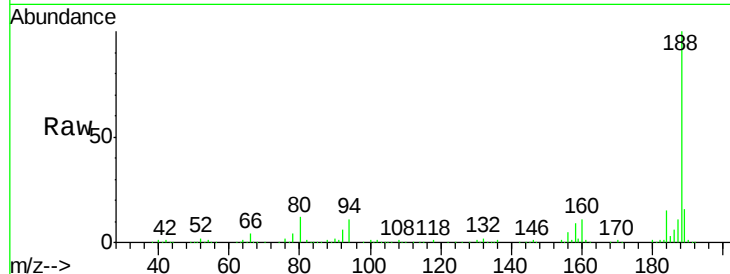




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.88 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

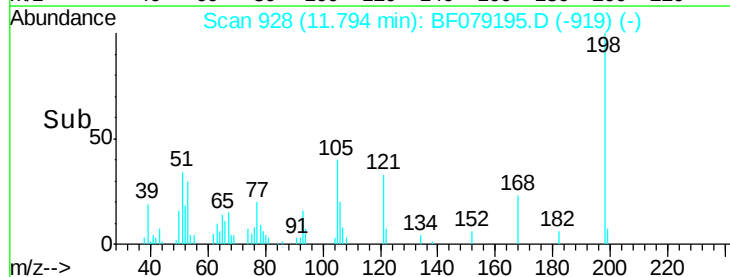
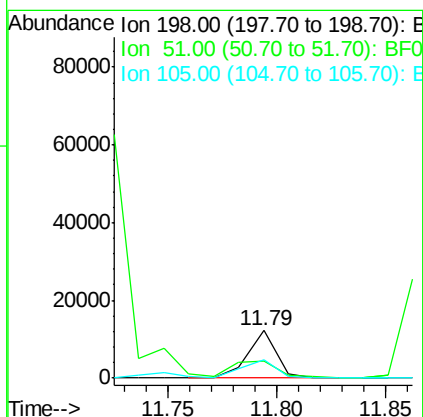
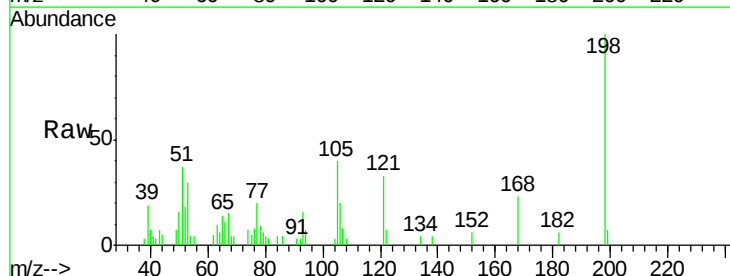
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

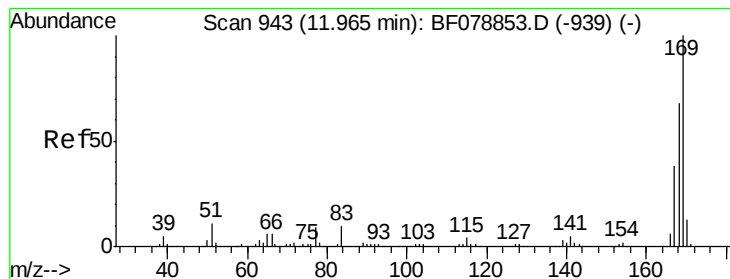
Tot Ion:188 Resp: 320712  
Ion Ratio Lower Upper  
188 100  
94 11.0 8.2 12.2  
80 11.6 8.9 13.3



#64  
4,6-Dinitro-2-methylphenol  
Concen: 12.31 ng  
RT: 11.79 min Scan# 928  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:198 Resp: 11138  
Ion Ratio Lower Upper  
198 100  
51 36.7 47.3 87.3#  
105 39.9 38.8 78.8

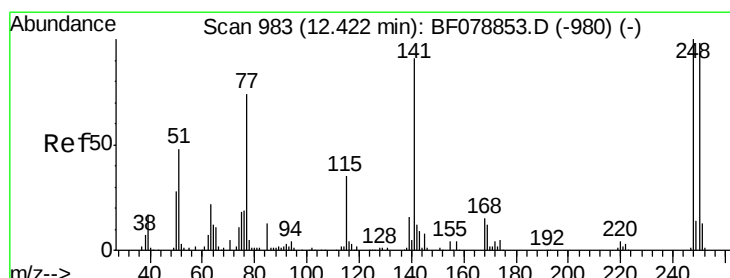
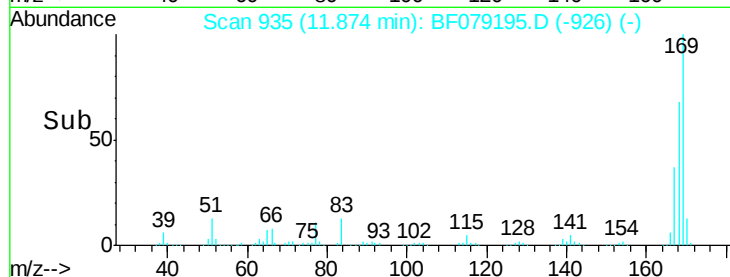
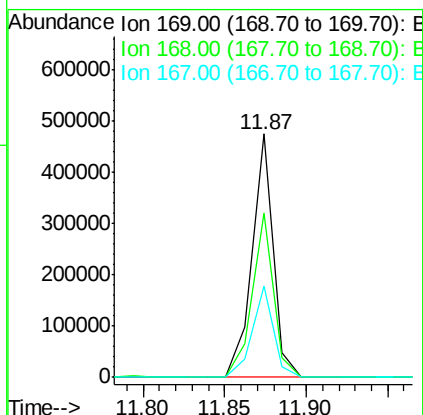
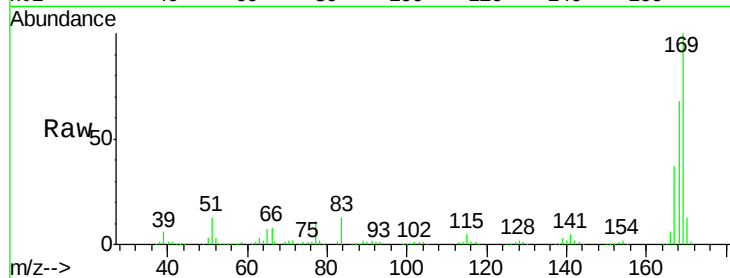




#65  
 n-Nitrosodiphenylamine  
 Concen: 39.90 ng  
 RT: 11.87 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

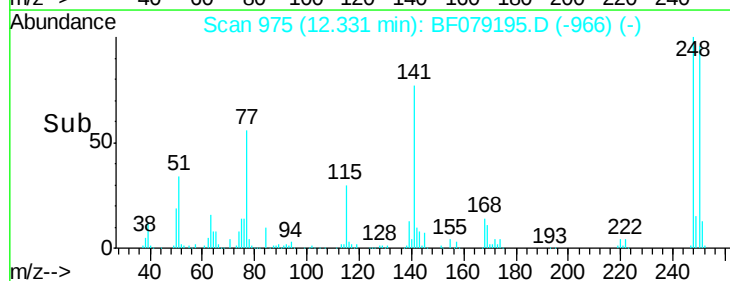
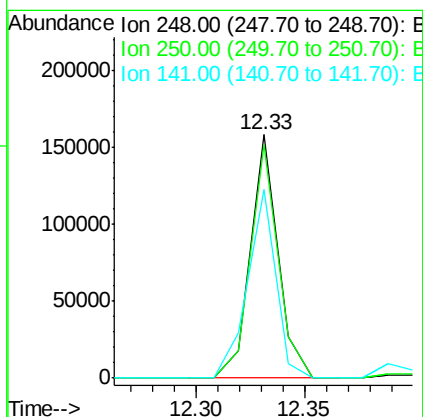
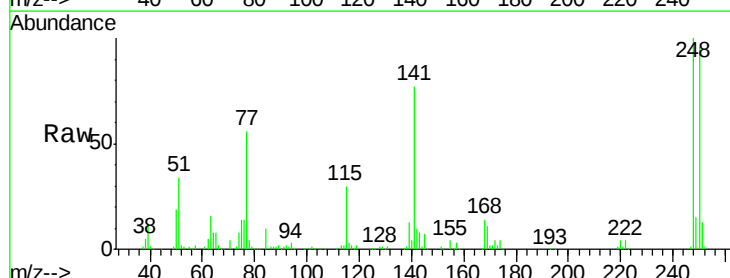
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

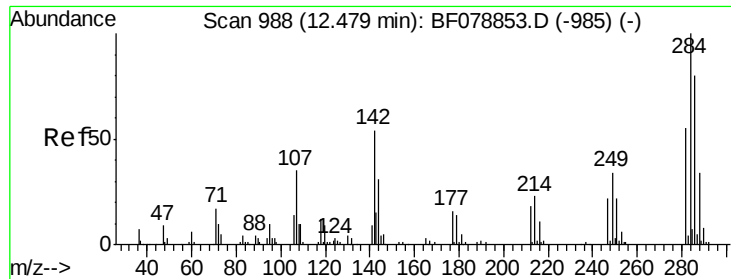
Tot Ion:169 Resp: 426205  
 Ion Ratio Lower Upper  
 169 100  
 168 67.6 54.6 82.0  
 167 37.3 30.6 45.8



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.69 ng  
 RT: 12.33 min Scan# 975  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Tgt Ion:248 Resp: 139372  
 Ion Ratio Lower Upper  
 248 100  
 250 95.8 77.1 115.7  
 141 77.4 58.8 88.2

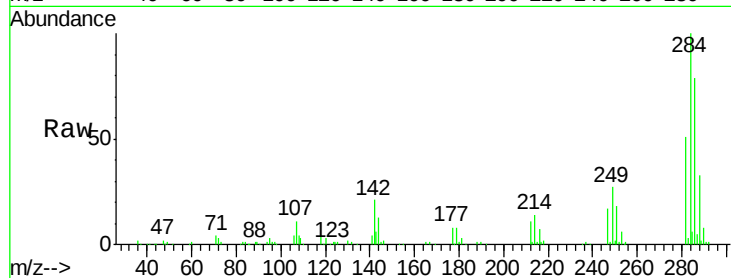




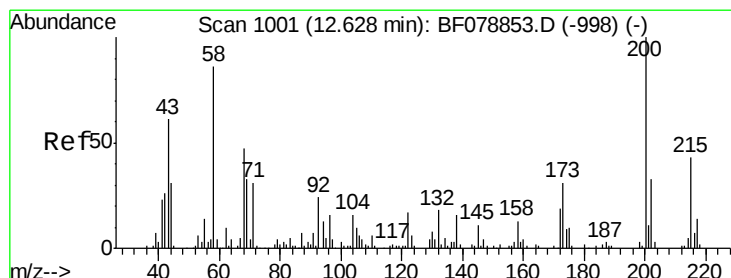
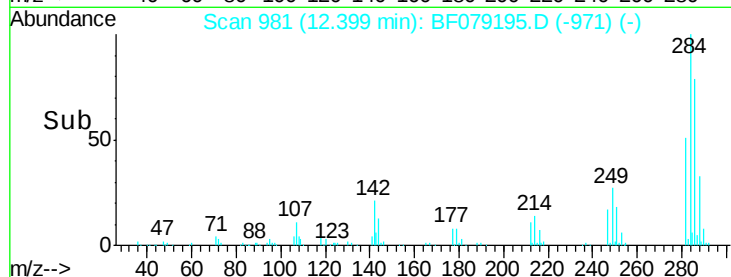
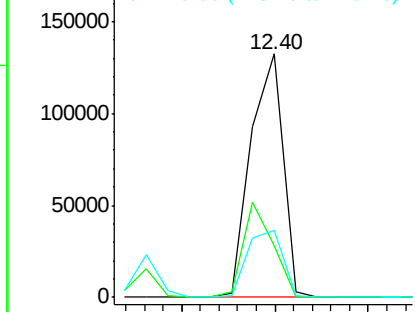
#67  
Hexachlorobenzene  
Concen: 41.42 ng  
RT: 12.40 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:284 Resp: 158263  
Ion Ratio Lower Upper  
284 100  
142 21.2 35.2 52.8#  
249 27.4 25.4 38.2

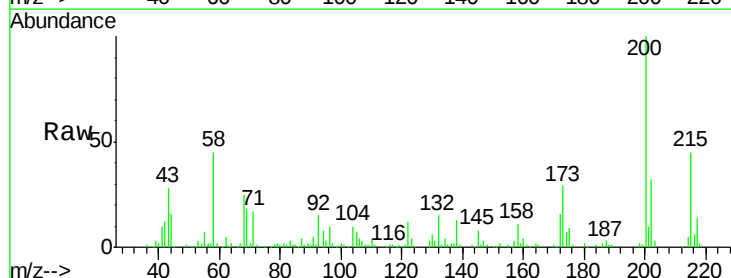


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

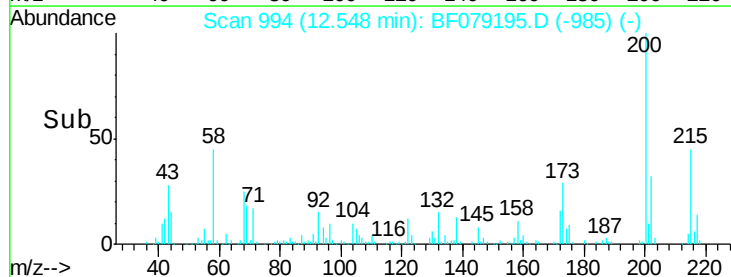
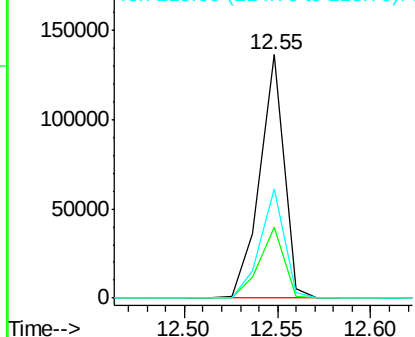


#68  
Atrazine  
Concen: 39.40 ng  
RT: 12.55 min Scan# 994  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:200 Resp: 122358  
Ion Ratio Lower Upper  
200 100  
173 29.0 8.1 48.1  
215 44.8 22.9 62.9



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

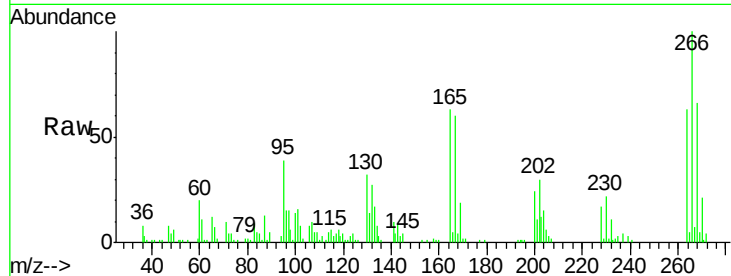




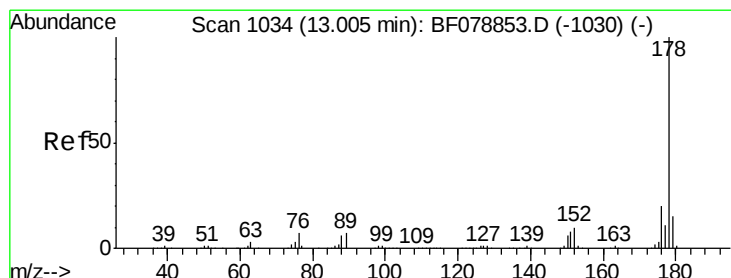
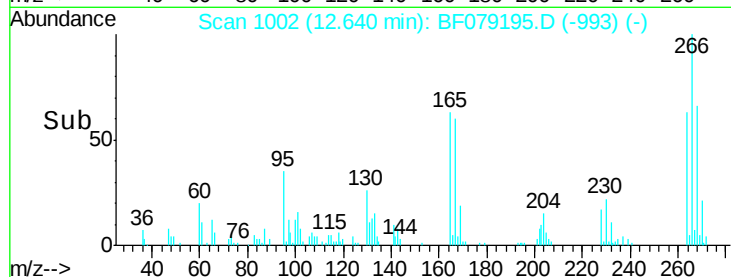
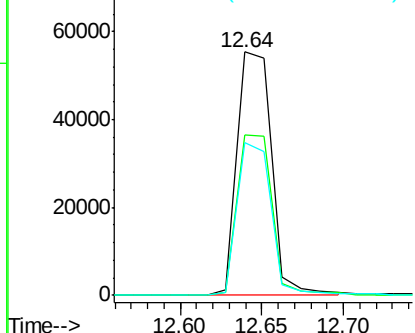
#69  
 Pentachlorophenol  
 Concen: 39.99 ng  
 RT: 12.64 min Scan# 1002  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tot Ion:266 Resp: 81024  
 Ion Ratio Lower Upper  
 266 100  
 268 65.9 55.0 82.6  
 264 62.6 48.2 72.2

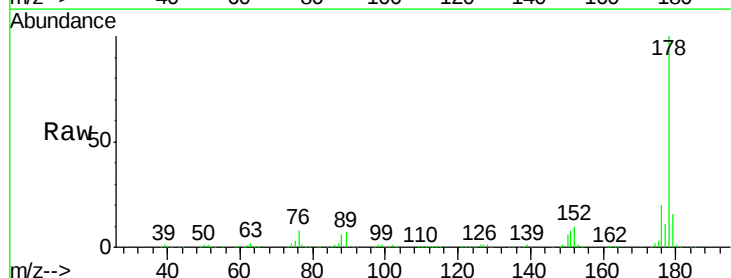


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

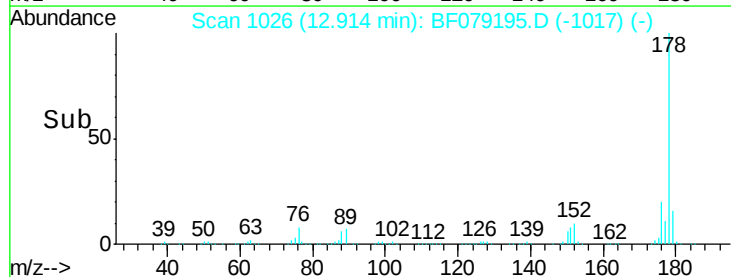
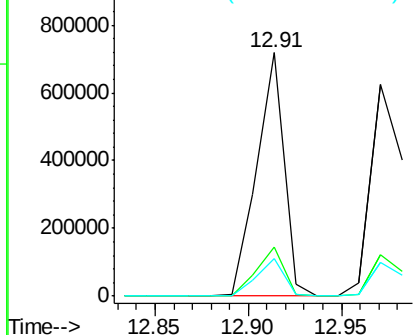


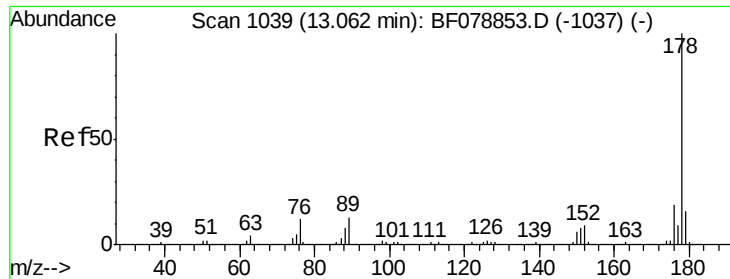
#70  
 Phenanthrene  
 Concen: 40.60 ng  
 RT: 12.91 min Scan# 1026  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Tgt Ion:178 Resp: 728415  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 15.8 23.8  
 179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

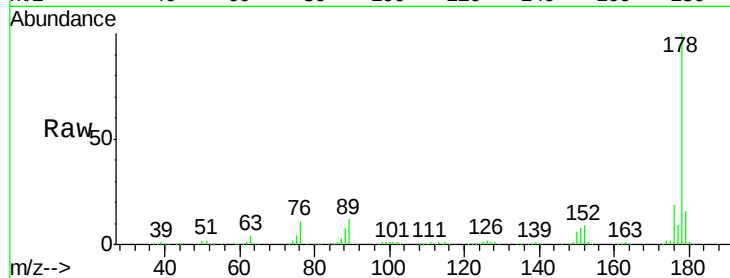




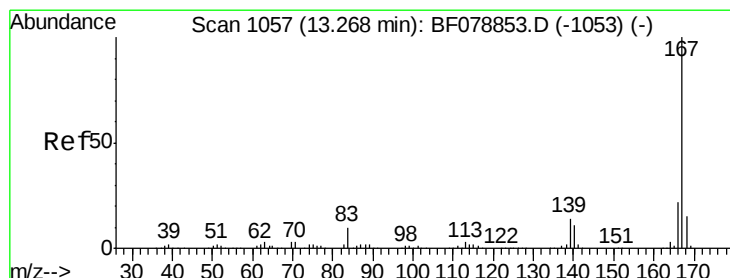
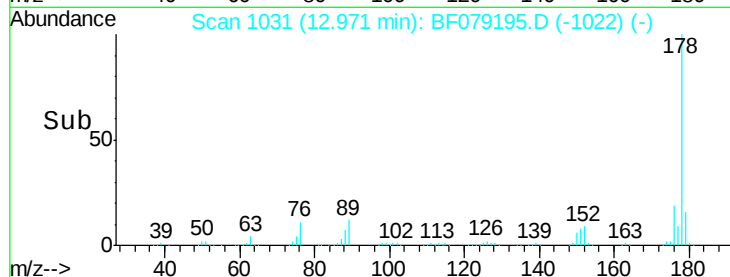
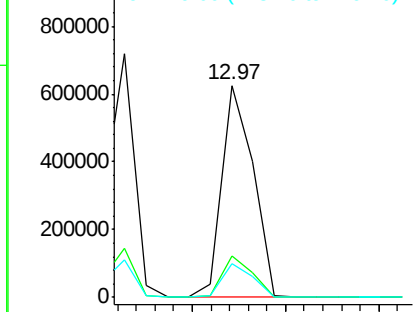
#71  
 Anthracene  
 Concen: 41.64 ng  
 RT: 12.97 min Scan# 1031  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tot Ion:178 Resp: 732887  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.5 23.3  
 179 16.0 12.7 19.1

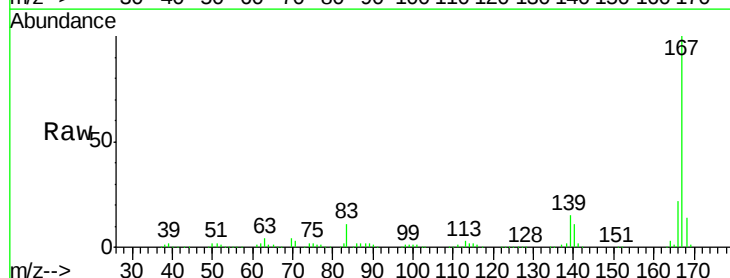


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

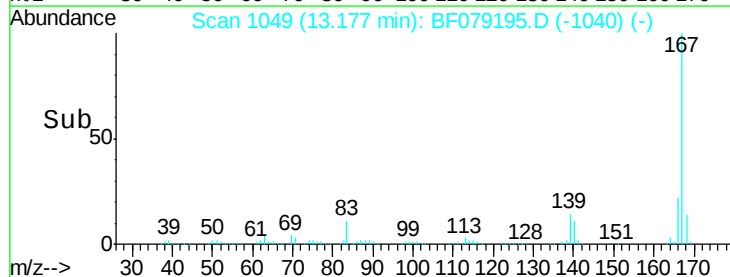
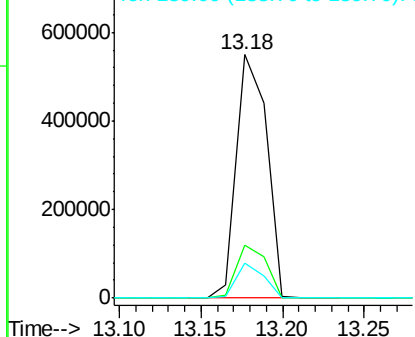


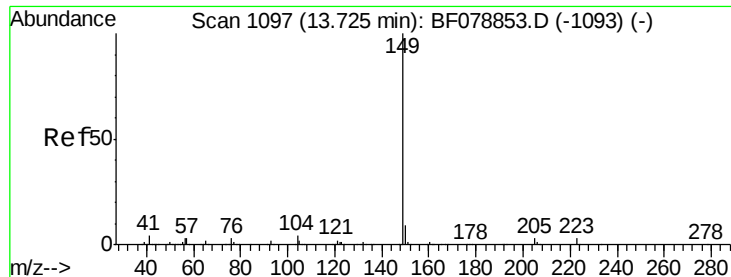
#72  
 Carbazole  
 Concen: 41.96 ng  
 RT: 13.18 min Scan# 1049  
 Delta R.T. 0.00 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Tgt Ion:167 Resp: 703877  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.8 26.8  
 139 14.5 10.6 16.0



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: 42.74 ng

RT: 13.62 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

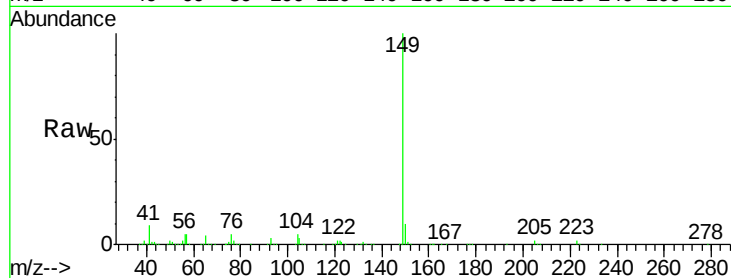
Tot Ion:149 Resp: 859847

Ion Ratio Lower Upper

149 100

150 9.8 7.7 11.5

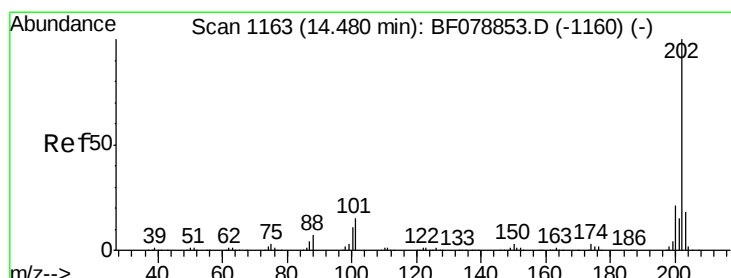
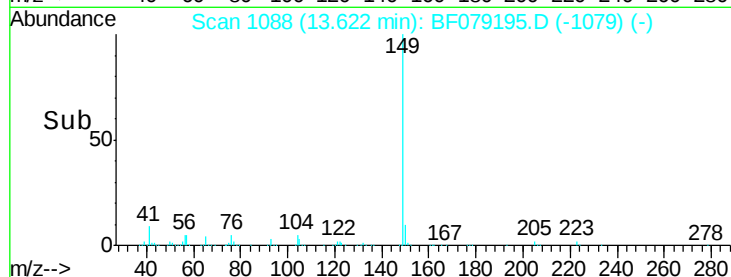
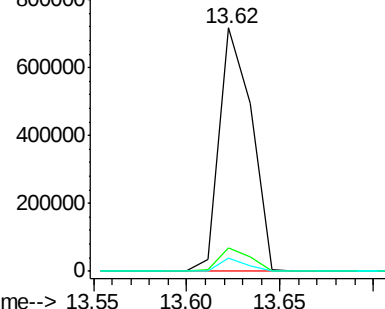
104 5.4 4.6 7.0



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: 42.30 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

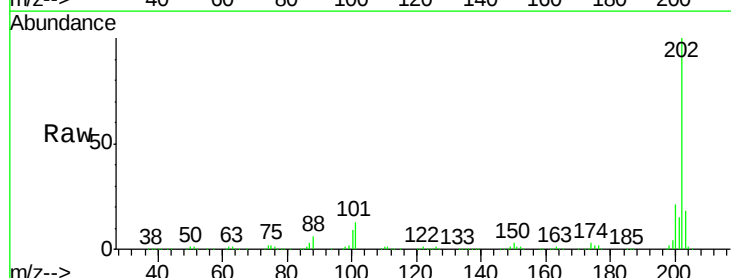
Tgt Ion:202 Resp: 790894

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.6

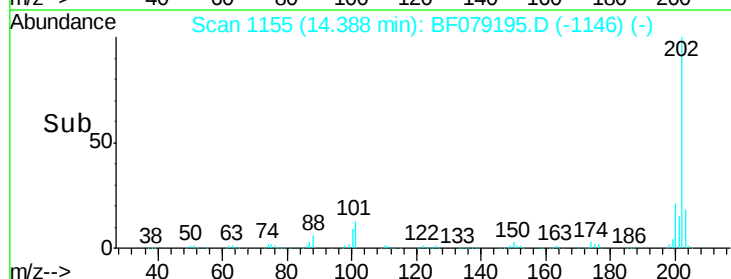
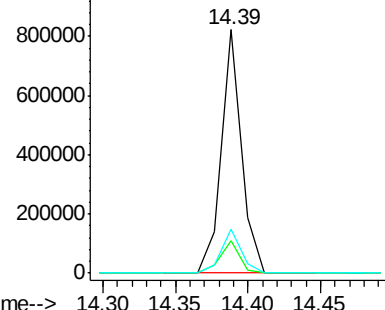
203 18.0 0.0 38.4

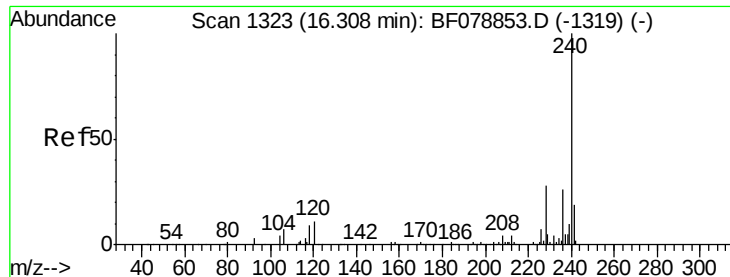


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 1313

Delta R.T. 0.02 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

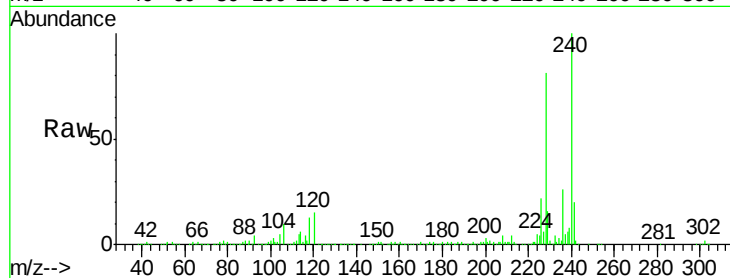
Tot Ion:240 Resp: 329609

Ion Ratio Lower Upper

240 100

120 14.9 9.7 14.5#

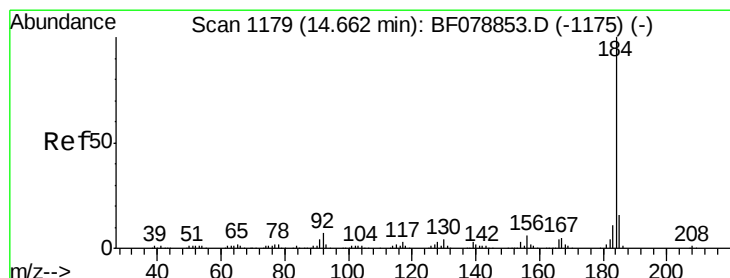
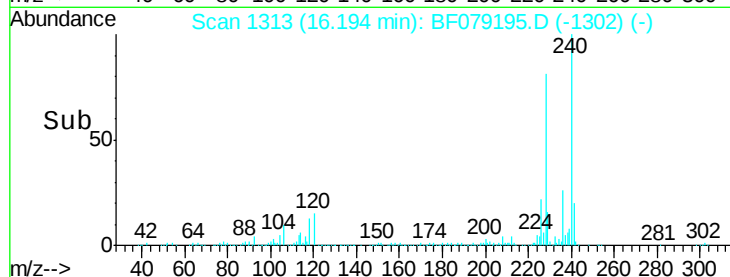
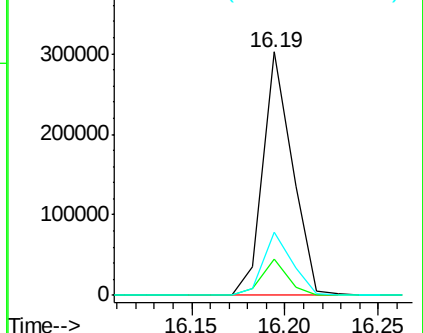
236 25.9 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 54.36 ng

RT: 14.57 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

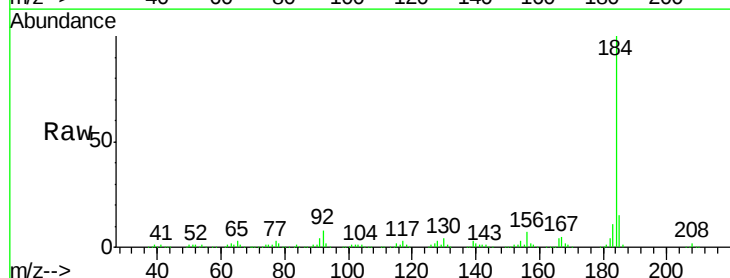
Tgt Ion:184 Resp: 482889

Ion Ratio Lower Upper

184 100

185 14.7 12.3 18.5

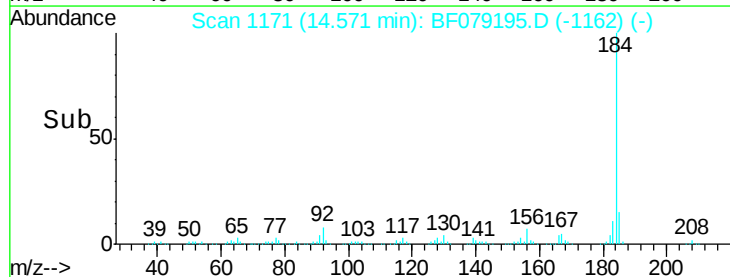
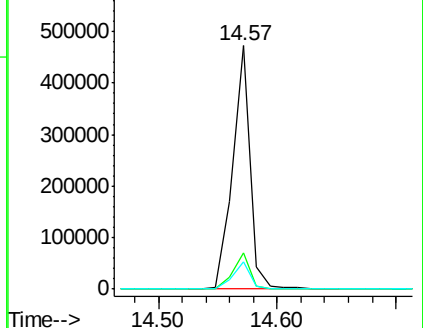
183 11.2 8.4 12.6

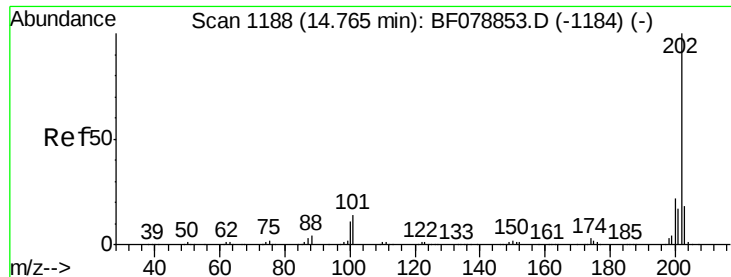


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

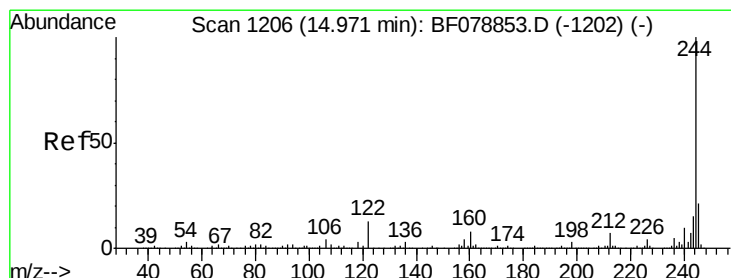
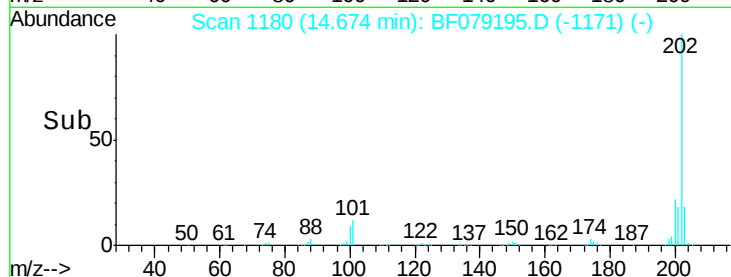
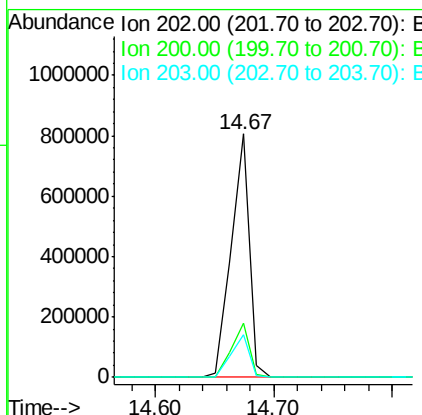
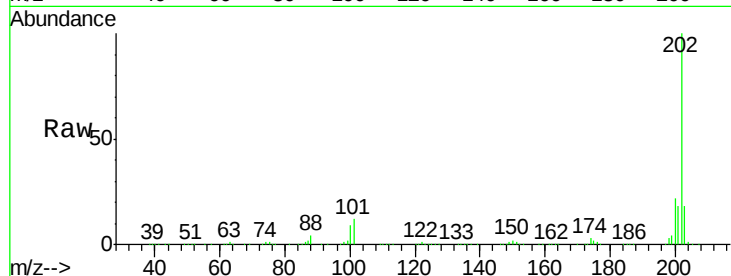




#77  
Pvrene  
Concen: 44.84 ng  
RT: 14.67 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

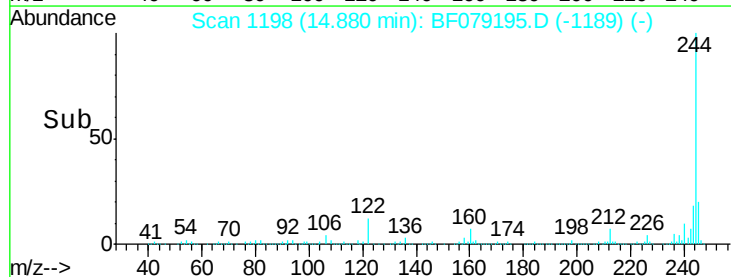
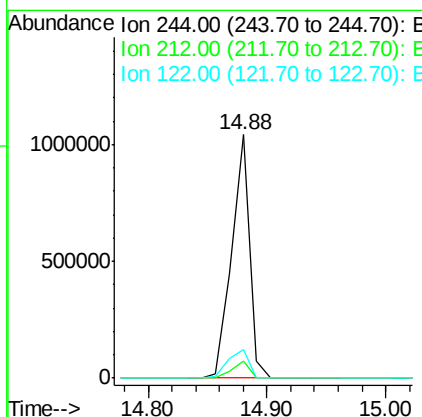
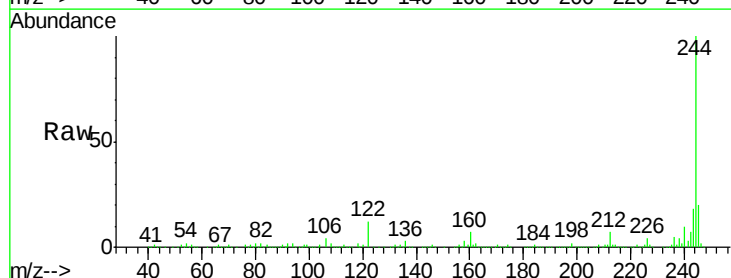
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

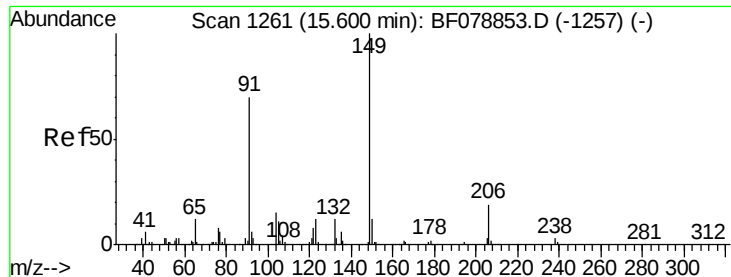
Tot Ion:202 Resp: 851622  
Ion Ratio Lower Upper  
202 100  
200 22.2 17.5 26.3  
203 17.7 13.9 20.9



#78  
Terphenyl-d14  
Concen: 79.03 ng  
RT: 14.88 min Scan# 1198  
Delta R.T. 0.00 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:244 Resp: 1087969  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.6 8.4  
122 11.7 10.3 15.5

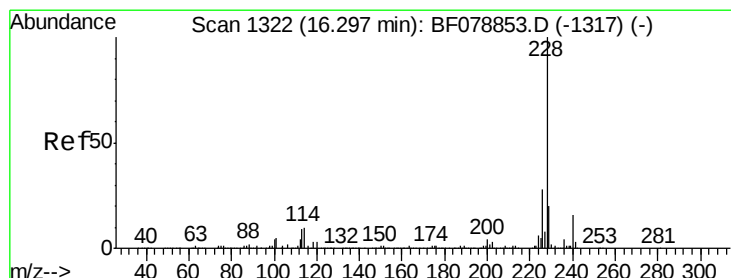
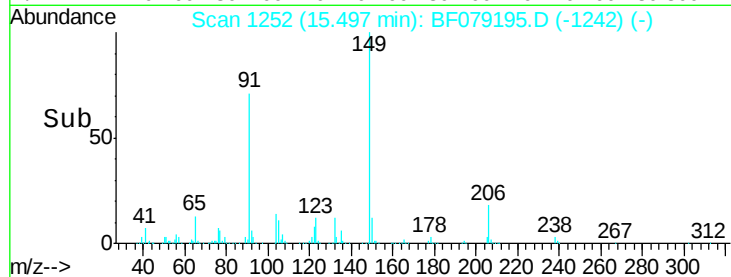
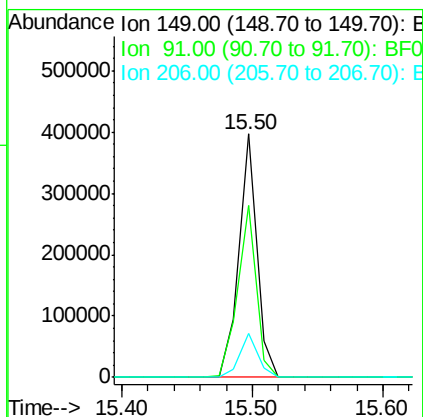
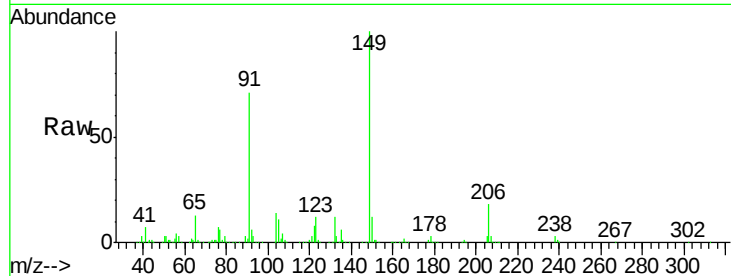




#79  
Butylbenzylphthalate  
Concen: 45.76 ng  
RT: 15.50 min Scan# 1252  
Delta R.T. 0.01 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

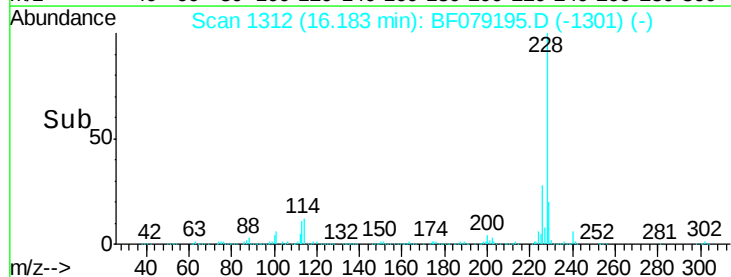
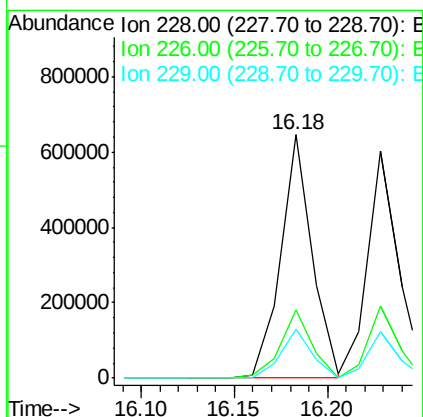
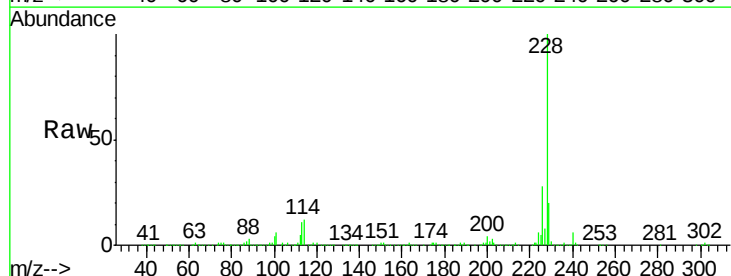
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

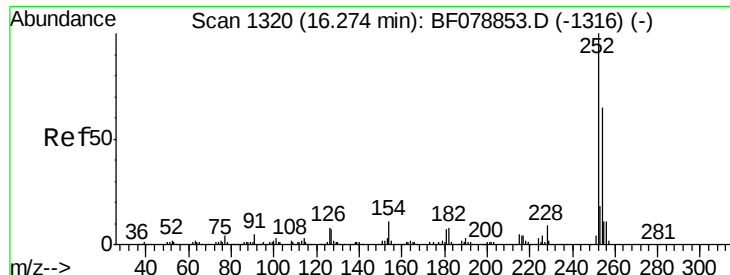
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.8  | 64.6  | 97.0  |
| 206     | 18.2  | 12.2  | 18.4  |



#80  
Benzo(a)anthracene  
Concen: 41.88 ng  
RT: 16.18 min Scan# 1312  
Delta R.T. 0.02 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 22.6  | 33.8  |
| 229     | 20.3  | 15.9  | 23.9  |

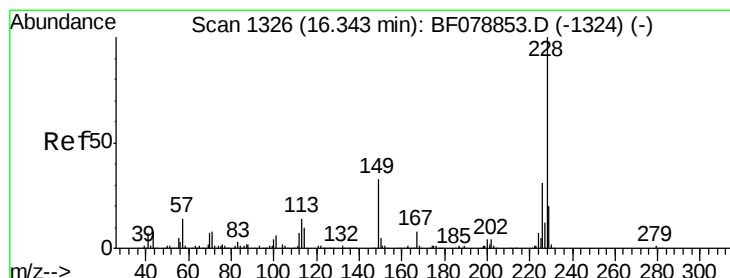
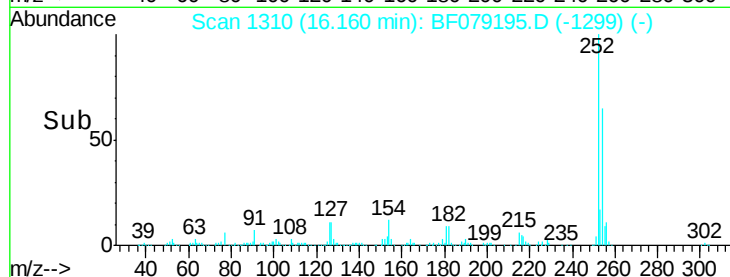
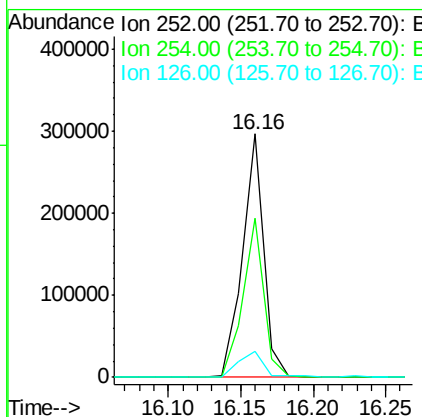
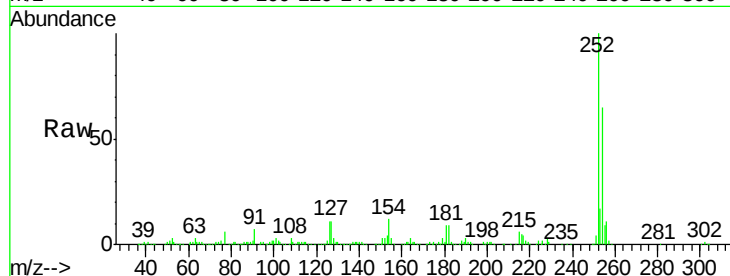




#81  
 3,3'-Dichlorobenzidine  
 Concen: 46.90 ng  
 RT: 16.16 min Scan# 1310  
 Delta R.T. 0.02 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

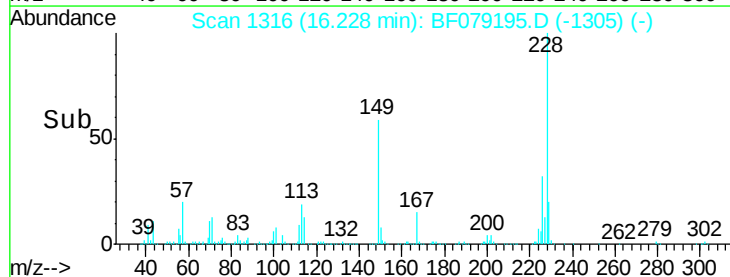
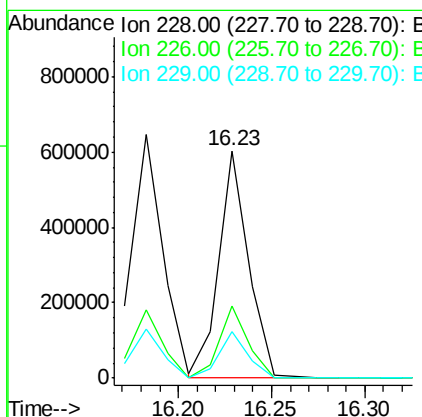
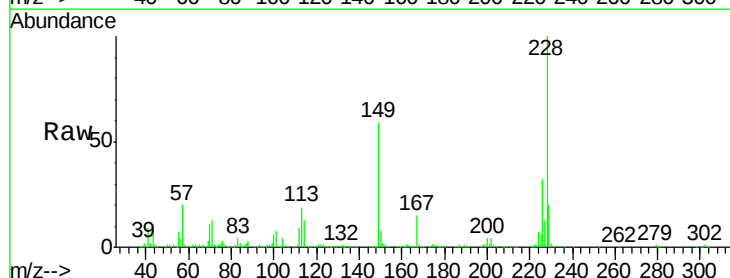
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

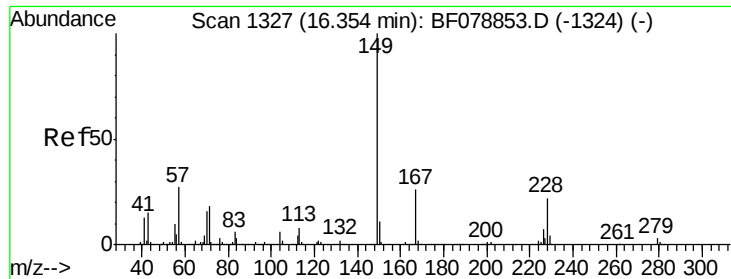
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.3  | 51.3  | 76.9  |
| 126     | 10.9  | 6.6   | 10.0  |



#82  
 Chrysene  
 Concen: 38.54 ng  
 RT: 16.23 min Scan# 1316  
 Delta R.T. 0.02 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.5  | 24.9  | 37.3  |
| 229     | 20.3  | 16.0  | 24.0  |

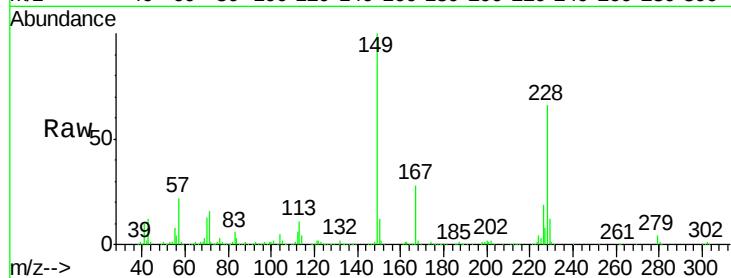




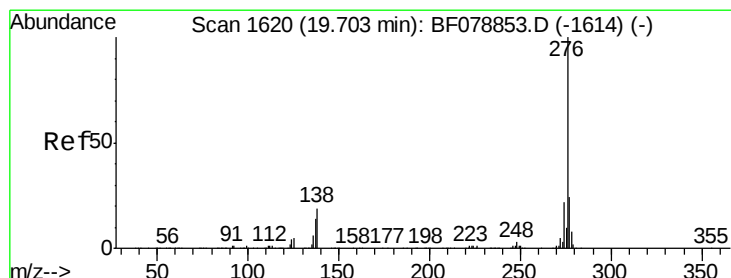
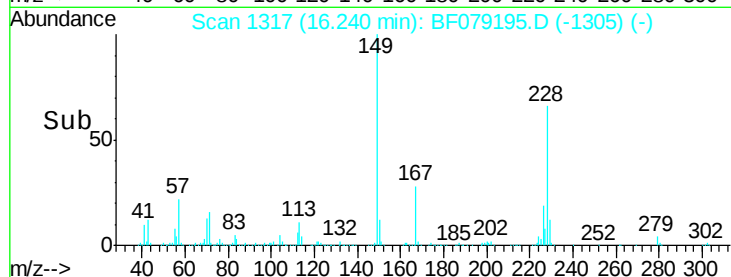
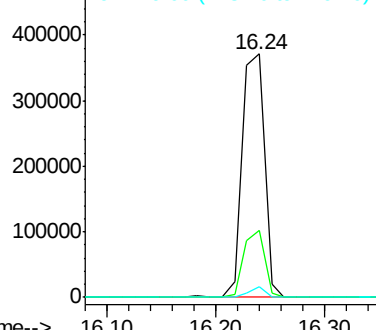
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.06 ng  
 RT: 16.24 min Scan# 1317  
 Delta R.T. 0.03 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.7  | 21.8  | 32.8  |
| 279     | 4.2   | 2.9   | 4.3   |

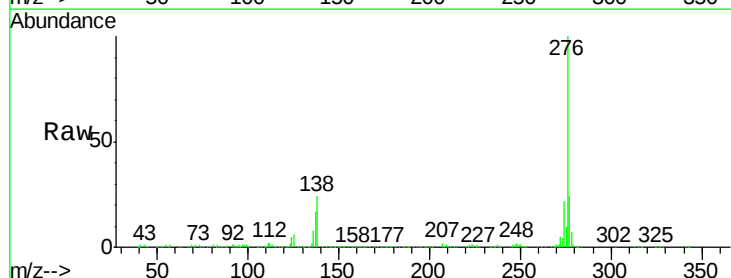


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

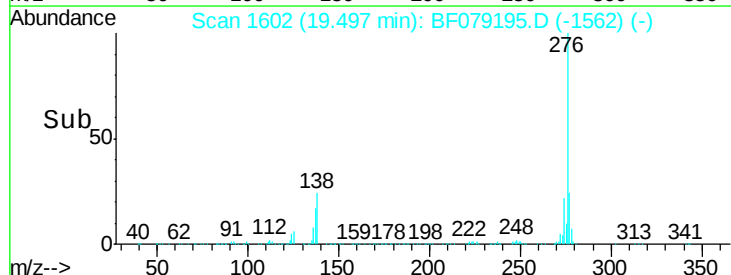
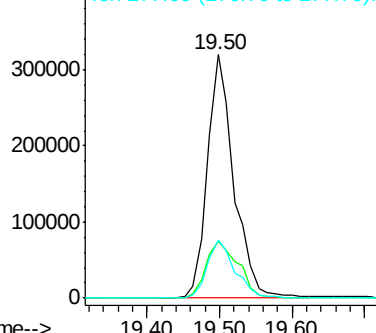


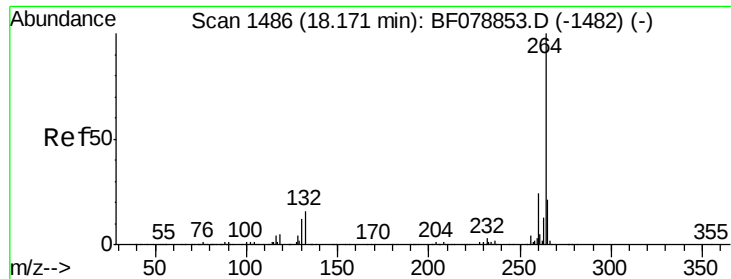
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.85 ng  
 RT: 19.50 min Scan# 1602  
 Delta R.T. 0.16 min  
 Lab File: BF079195.D  
 Acq: 13 May 2015 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.9  | 0.0   | 0.0#  |
| 277     | 25.1  | 0.0   | 0.0#  |



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

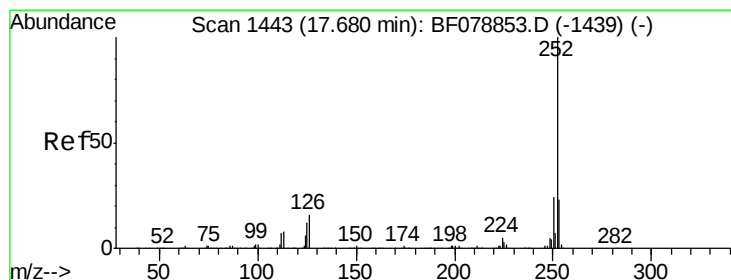
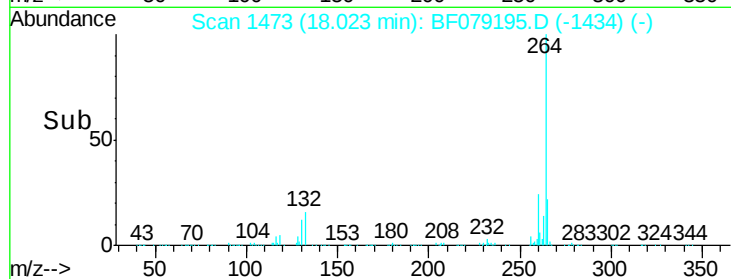
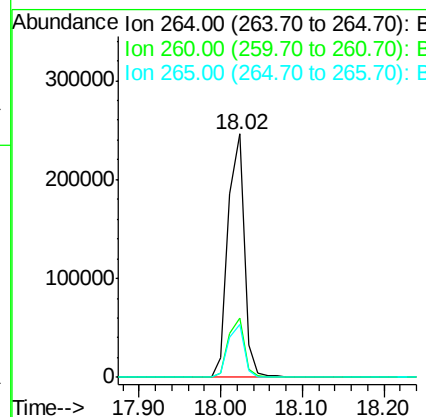
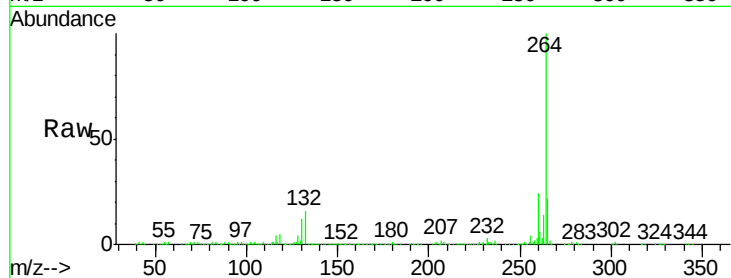




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 18.02 min Scan# 1473  
Delta R.T. 0.15 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

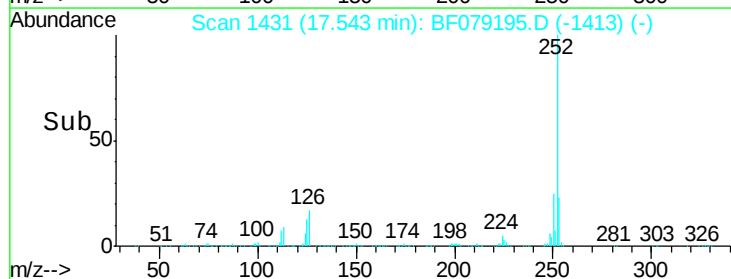
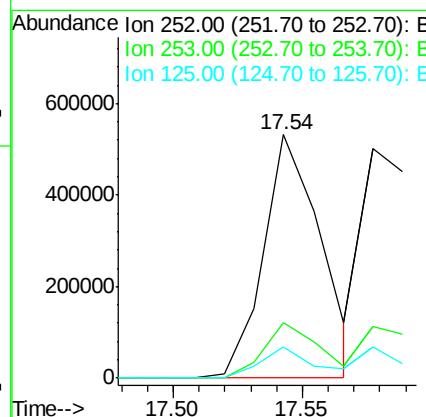
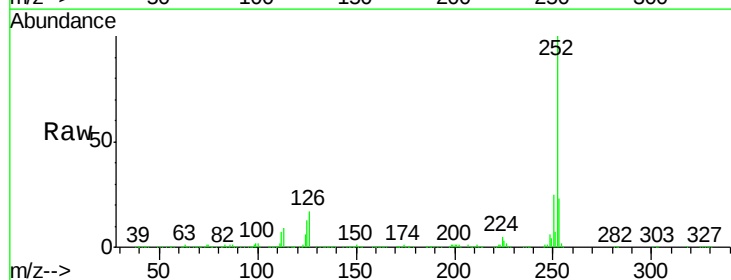
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

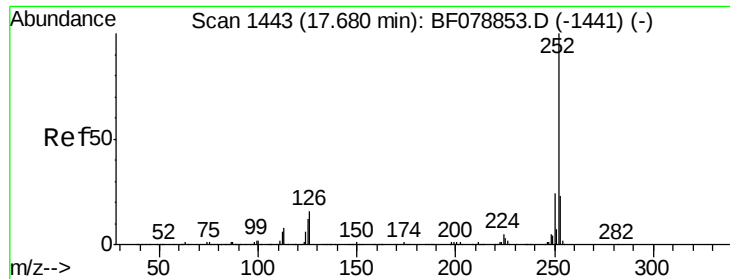
Tot Ion:264 Resp: 340613  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.4 29.2  
265 21.6 18.3 27.5



#87  
Benzo(b)fluoranthene  
Concen: 43.31 ng m  
RT: 17.54 min Scan# 1431  
Delta R.T. 0.10 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:252 Resp: 807540  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.7 26.5  
125 12.7 9.5 14.3

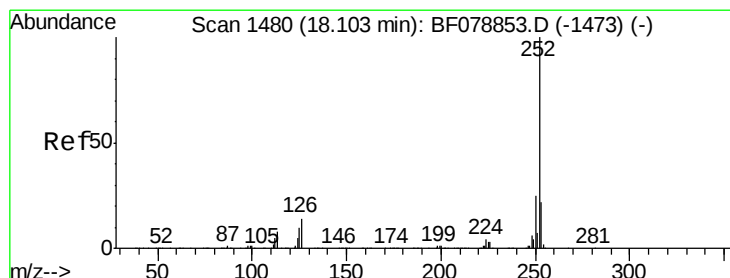
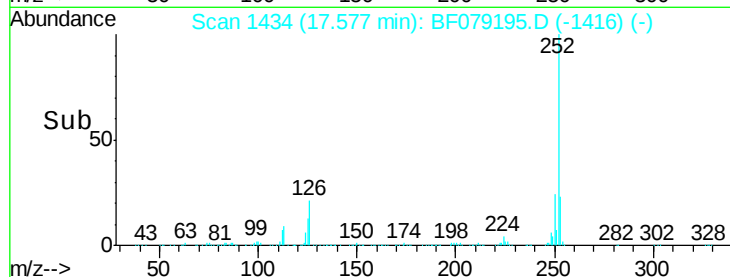
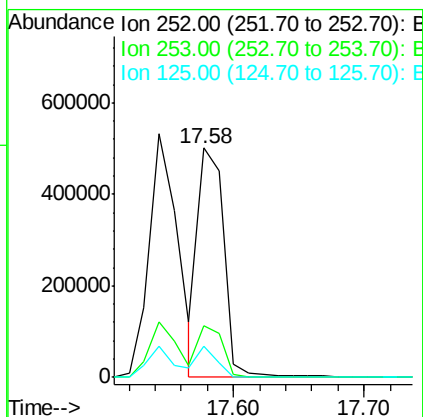
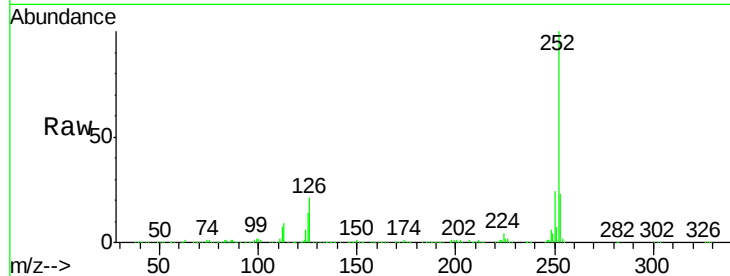




#88  
Benzo(k)fluoranthene  
Concen: 37.56 ng  
RT: 17.58 min Scan# 1434  
Delta R.T. 0.10 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

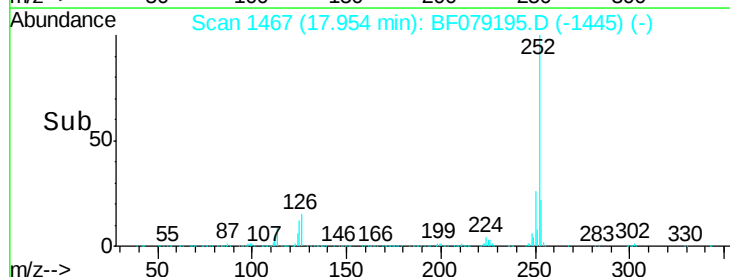
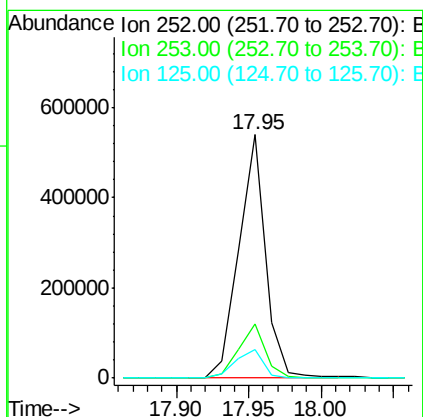
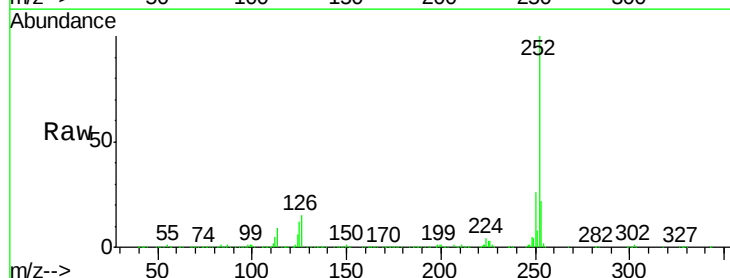
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

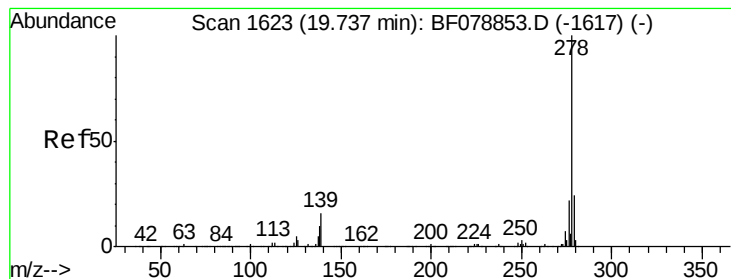
Tot Ion:252 Resp: 677911  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.1 27.1  
125 13.5 10.0 15.0



#89  
Benzo(a)pyrene  
Concen: 40.17 ng  
RT: 17.95 min Scan# 1467  
Delta R.T. 0.15 min  
Lab File: BF079195.D  
Acq: 13 May 2015 11:50

Tgt Ion:252 Resp: 689515  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.3 25.9  
125 11.8 7.0 10.6#





#90

Dibenzo(a,h)anthracene

Concen: 36.02 ng

RT: 19.53 min Scan# 1605

Delta R.T. 0.17 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

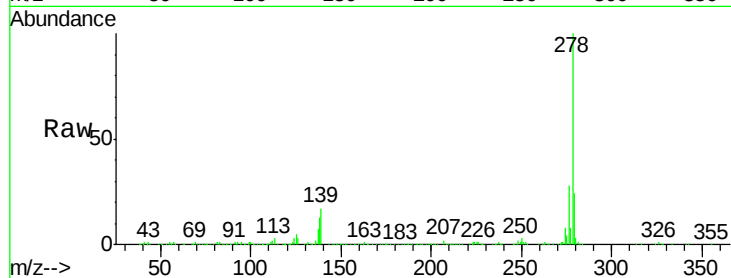
Tot Ion:278 Resp: 657197

Ion Ratio Lower Upper

278 100

139 17.1 12.8 19.2

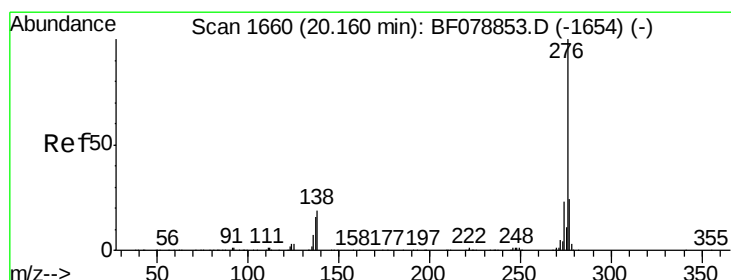
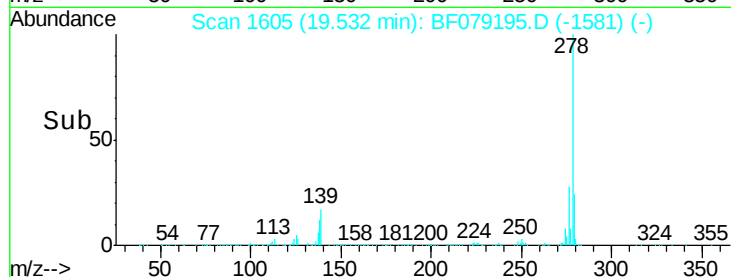
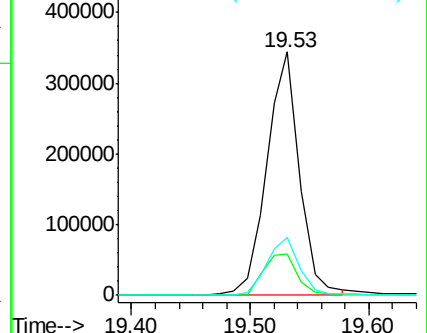
279 24.1 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 36.57 ng

RT: 19.94 min Scan# 1641

Delta R.T. 0.17 min

Lab File: BF079195.D

Acq: 13 May 2015 11:50

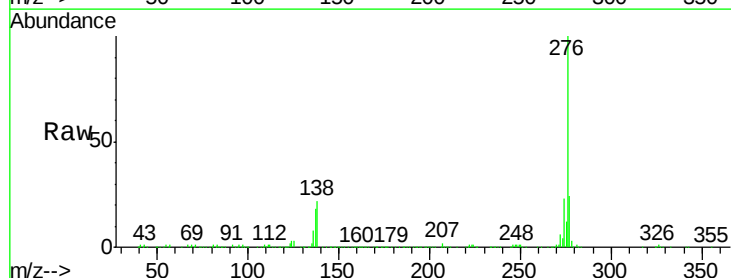
Tgt Ion:276 Resp: 668678

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 22.0 17.4 26.0



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

