

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF120718\  
 Data File : BF111213.D  
 Acq On : 8 Dec 2018 3:51  
 Operator : JU/SJ  
 Sample : PB115402BS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

Quant Time: Dec 08 04:54:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 17:30:55 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 389921   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 1711387  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 735214   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 1194424  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.96 | 240  | 668198   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 15.39 | 264  | 728178   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 2194552 | 87.83  | ng | 0.01 |
| 7) Phenol-d6             | 6.44  | 99  | 3052063 | 94.82  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 2499262 | 86.46  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 543566  | 93.01  | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.17  | 172 | 3926143 | 101.67 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.91 | 244 | 2590867 | 79.41  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.58 | 88  | 499736  | 34.769 | ng | 95     |
| 3) Pyridine                    | 3.32 | 79  | 1412440 | 44.309 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 3.25 | 42  | 723594  | 46.103 | ng | 82     |
| 6) Aniline                     | 6.46 | 93  | 863917  | 20.089 | ng | 100    |
| 8) 2-Chlorophenol              | 6.59 | 128 | 1240300 | 43.064 | ng | 98     |
| 9) Benzaldehyde                | 6.35 | 77  | 645338  | 36.361 | ng | 98     |
| 10) Phenol                     | 6.45 | 94  | 1667550 | 47.512 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.54 | 93  | 1273879 | 44.409 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 1245925 | 40.676 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146 | 1289480 | 41.833 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.98 | 146 | 1218676 | 42.501 | ng | 99     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 1091839 | 42.810 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 2243082 | 40.199 | ng | 100    |
| 17) 2-Methylphenol             | 7.06 | 107 | 1099377 | 46.501 | ng | 98     |
| 18) Hexachloroethane           | 7.32 | 117 | 458237  | 39.628 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70  | 832477  | 38.485 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 1190262 | 41.278 | ng | 92     |
| 22) Acetophenone               | 7.22 | 105 | 1560080 | 37.722 | ng | 95     |
| 24) Nitrobenzene               | 7.39 | 77  | 1308711 | 42.082 | ng | 98     |
| 25) Isophorone                 | 7.63 | 82  | 2225554 | 41.951 | ng | 99     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 630630  | 47.992 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 1121242 | 45.308 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93  | 1498601 | 41.728 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 1068982 | 43.877 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 977393  | 39.747 | ng | 99     |
| 31) Naphthalene                | 8.11 | 128 | 3374559 | 45.289 | ng | 98     |
| 32) Benzoic acid               | 7.85 | 122 | 781847  | 47.910 | ng | 96     |
| 33) 4-Chloroaniline            | 8.15 | 127 | 252678  | 7.015  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.23 | 225 | 562979  | 42.128 | ng | 98     |
| 35) Caprolactam                | 8.53 | 113 | 307553  | 34.382 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107 | 1101447 | 41.275 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 2185050 | 42.513 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.90 | 142 | 2050800 | 41.502 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 796658  | 40.656 | ng | 99     |

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 Sample : PB115402BS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

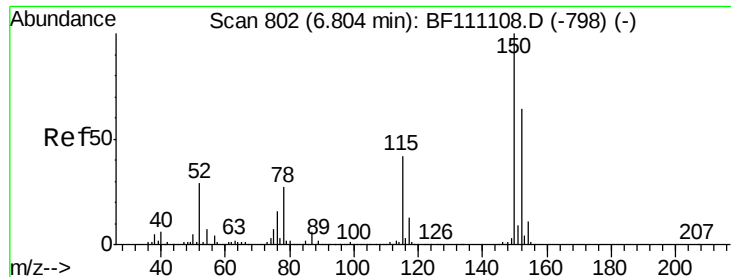
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

Quant Time: Dec 08 04:54:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 17:30:55 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.96  | 237  | 466639   | 45.163    | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.08  | 196  | 619950   | 43.319    | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.12  | 196  | 642062   | 44.257    | ng    | 94       |
| 46) 1,1'-Biphenyl              | 9.27  | 154  | 2456187  | 40.810    | ng    | 97       |
| 47) 2-Chloronaphthalene        | 9.29  | 162  | 2140554  | 45.769    | ng    | 97       |
| 48) 2-Nitroaniline             | 9.38  | 65   | 698580   | 46.091    | ng    | 96       |
| 49) Acenaphthylene             | 9.70  | 152  | 3152385  | 48.221    | ng    | 99       |
| 50) Dimethylphthalate          | 9.57  | 163  | 2262446  | 44.216    | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.62  | 165  | 517235   | 47.679    | ng    | 92       |
| 52) Acenaphthene               | 9.88  | 154  | 1947758  | 45.099    | ng    | 99       |
| 53) 3-Nitroaniline             | 9.79  | 138  | 267157   | 19.605    | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 9.89  | 184  | 184291   | 55.793    | ng    | # 73     |
| 55) Dibenzofuran               | 10.05 | 168  | 2798706  | 47.048    | ng    | 94       |
| 56) 4-Nitrophenol              | 9.95  | 139  | 896499   | 87.304    | ng    | 92       |
| 57) 2,4-Dinitrotoluene         | 10.03 | 165  | 721431   | 51.491    | ng    | 98       |
| 58) Fluorene                   | 10.39 | 166  | 2033998  | 48.488    | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 581391   | 53.695    | ng    | 97       |
| 60) Diethylphthalate           | 10.27 | 149  | 2306491  | 45.106    | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 942879   | 45.610    | ng    | 94       |
| 62) 4-Nitroaniline             | 10.40 | 138  | 467170   | 37.985    | ng    | 97       |
| 63) Azobenzene                 | 10.55 | 77   | 2439513  | 44.811    | ng    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198  | 150747   | 30.549    | ng    | 83       |
| 66) n-Nitrosodiphenylamine     | 10.50 | 169  | 1854830  | 44.349    | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 10.87 | 248  | 570225   | 45.100    | ng    | 91       |
| 68) Hexachlorobenzene          | 10.95 | 284  | 606695   | 46.927    | ng    | 94       |
| 69) Atrazine                   | 11.03 | 200  | 585230   | Below Cal |       | 97       |
| 70) Pentachlorophenol          | 11.13 | 266  | 643736   | 75.716    | ng    | 99       |
| 71) Phenanthrene               | 11.35 | 178  | 2686551  | 46.760    | ng    | 98       |
| 72) Anthracene                 | 11.40 | 178  | 2765713  | 47.756    | ng    | 98       |
| 73) Carbazole                  | 11.55 | 167  | 2603058  | 43.197    | ng    | 97       |
| 74) Di-n-butylphthalate        | 11.89 | 149  | 3257640  | 46.181    | ng    | 99       |
| 75) Fluoranthene               | 12.53 | 202  | 2143617  | 38.129    | ng    | 98       |
| 77) Benzidine                  | 12.65 | 184  | 978797   | Below Cal |       | 99       |
| 78) Pyrene                     | 12.76 | 202  | 2154211  | 41.381    | ng    | 96       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 1092415  | 43.439    | ng    | 96       |
| 81) Benzo(a)anthracene         | 13.95 | 228  | 1779518  | 45.454    | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 546147   | 36.966    | ng    | 97       |
| 83) Chrysene                   | 13.99 | 228  | 1791337  | 46.091    | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 1353971  | 44.574    | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 3105108  | 65.025    | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.81 | 276  | 1200983  | 38.487    | ng    | # 89     |
| 88) Benzo(b)fluoranthene       | 14.99 | 252  | 1956038  | 47.406    | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.02 | 252  | 1846617  | 46.294    | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.34 | 252  | 1873023  | 49.489    | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.83 | 278  | 1008168  | 31.743    | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.24 | 276  | 989899   | 31.015    | ng    | 99       |

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



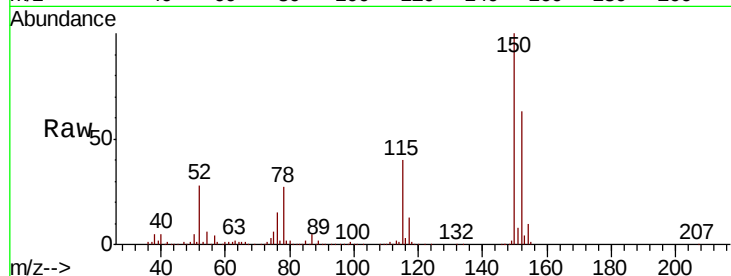


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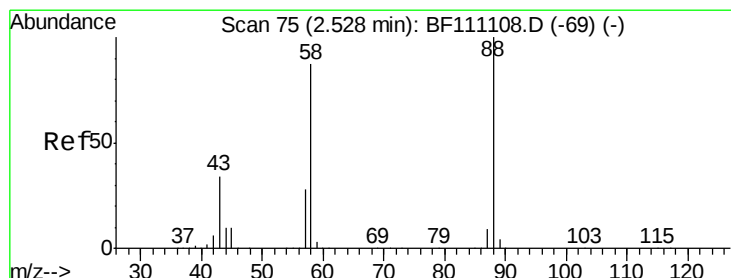
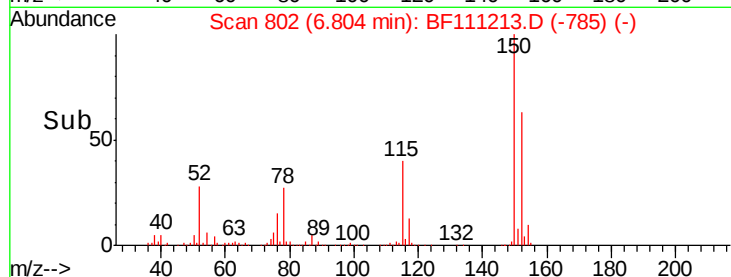
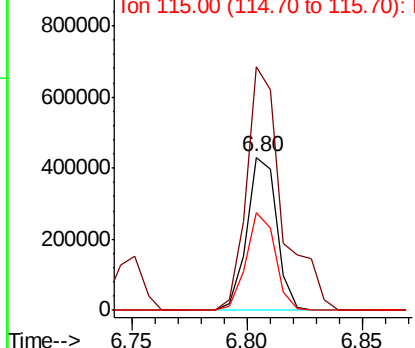
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:152 Resp: 389921  
Ion Ratio Lower Upper  
152 100  
150 159.2 124.6 187.0  
115 64.1 52.2 78.2



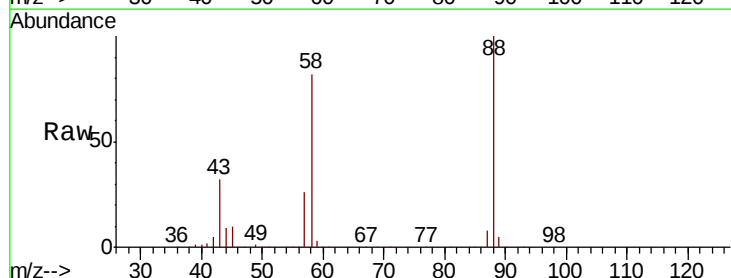
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Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



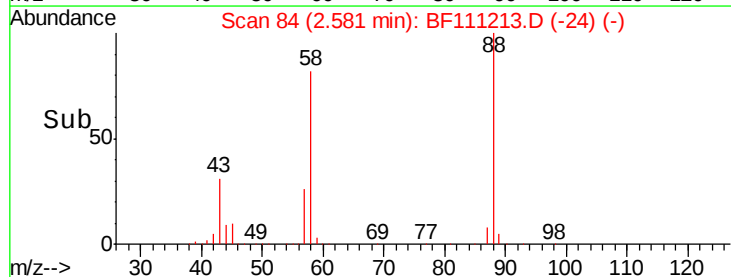
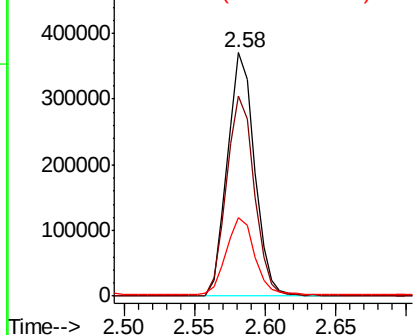
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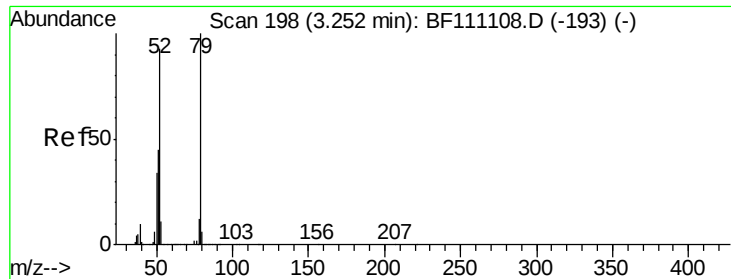
1,4-Dioxane  
Concen: 34.769 ng  
RT: 2.58 min Scan# 84  
Delta R.T. 0.05 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion: 88 Resp: 499736  
Ion Ratio Lower Upper  
88 100  
58 83.6 70.8 106.2  
43 32.6 28.3 42.5



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1

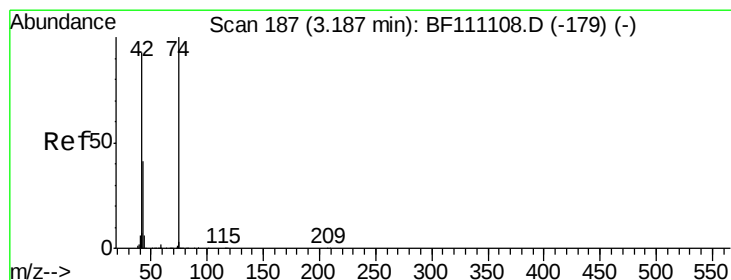
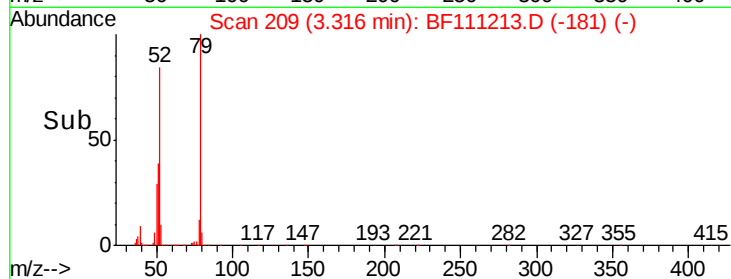
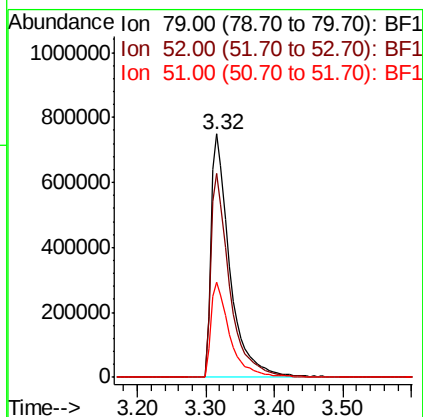
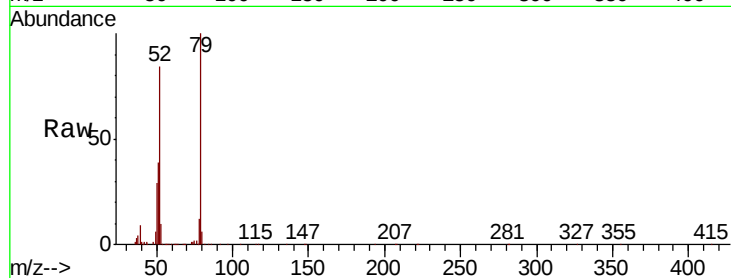




#3  
 Pyridine  
 Concen: 44.309 ng  
 RT: 3.32 min Scan# 209  
 Delta R.T. 0.06 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

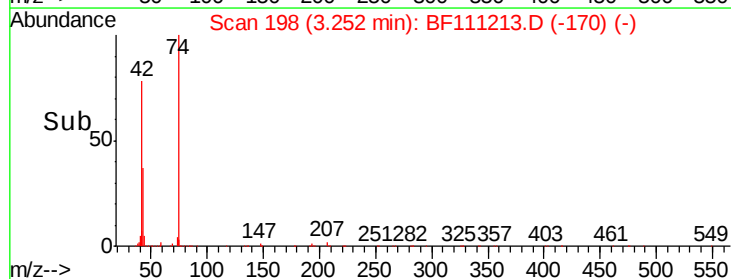
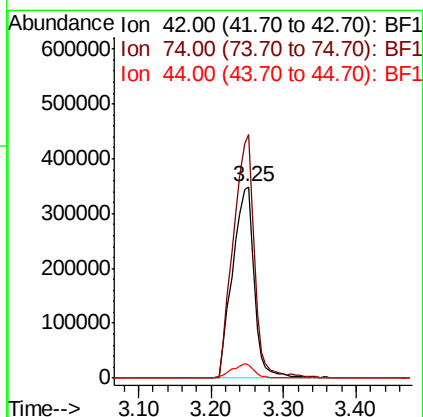
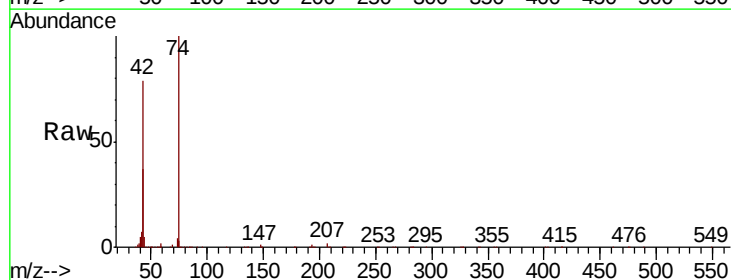
Instrument :  
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 ClientSampleId :  
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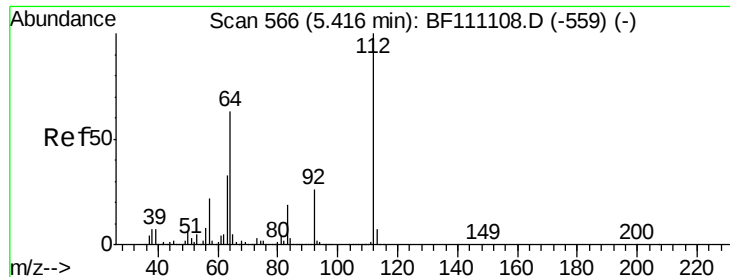
Tgt Ion: 79 Resp: 1412440  
 Ion Ratio Lower Upper  
 79 100  
 52 83.6 74.7 112.1  
 51 39.2 35.9 53.9



#4  
 n-Nitrosodimethylamine  
 Concen: 46.103 ng  
 RT: 3.25 min Scan# 198  
 Delta R.T. 0.06 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion: 42 Resp: 723594  
 Ion Ratio Lower Upper  
 42 100  
 74 127.4 86.2 129.2  
 44 7.0 5.7 8.5





#5

2-Fluorophenol

Concen: 87.826 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

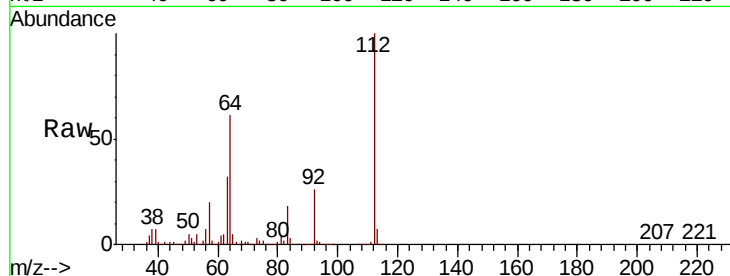
Tgt Ion: 112 Resp: 2194552

Ion Ratio Lower Upper

112 100

64 60.9 50.2 75.4

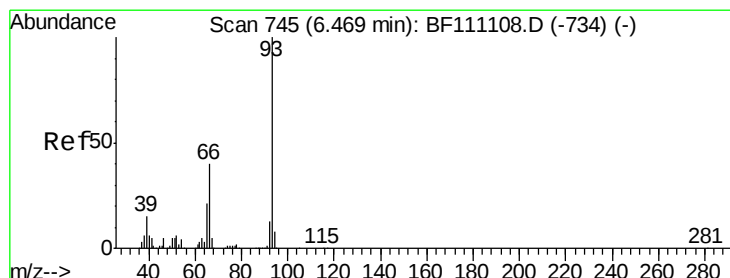
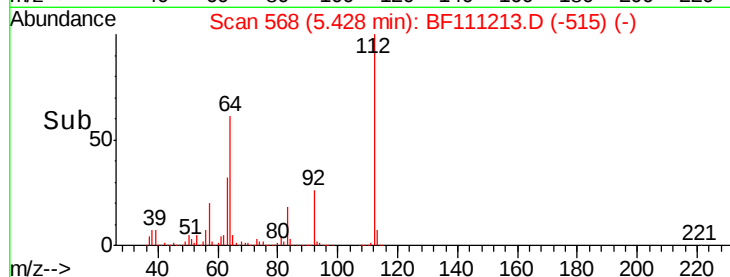
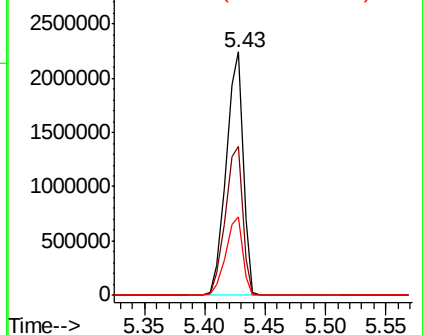
63 32.3 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.089 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

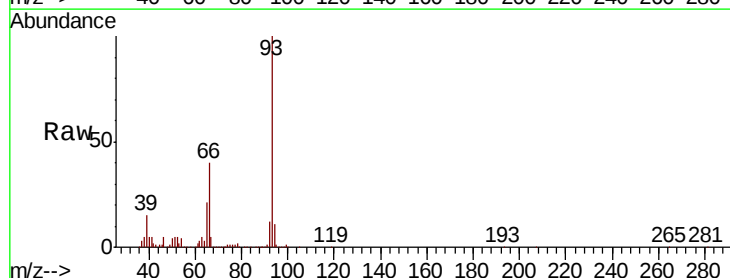
Tgt Ion: 93 Resp: 863917

Ion Ratio Lower Upper

93 100

66 39.7 31.8 47.8

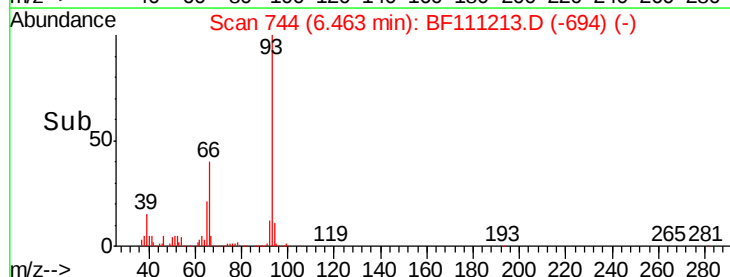
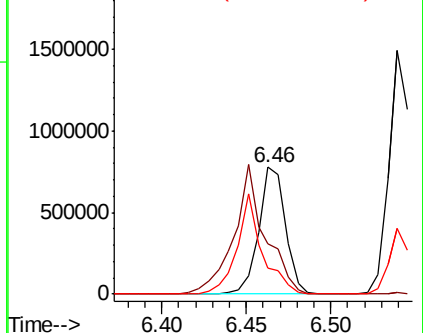
65 20.8 16.6 24.8

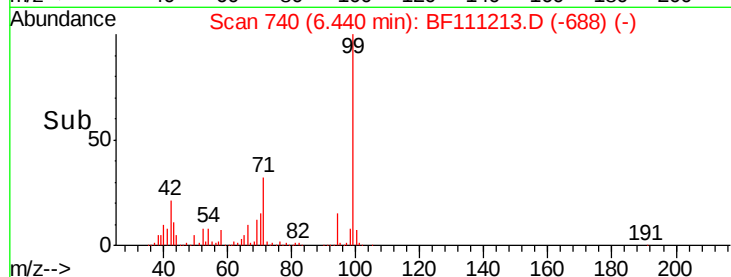
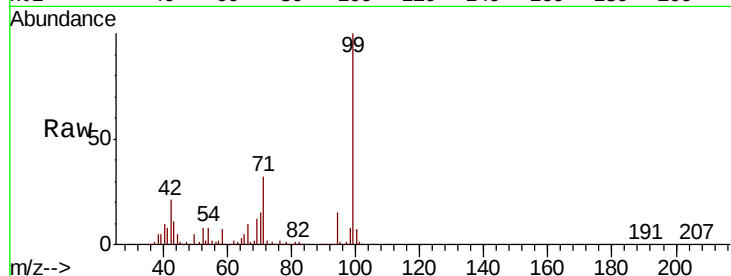
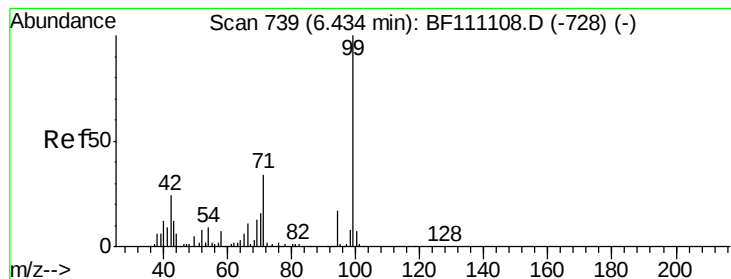


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 94.819 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

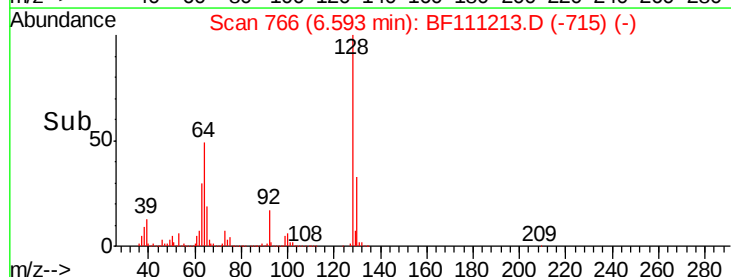
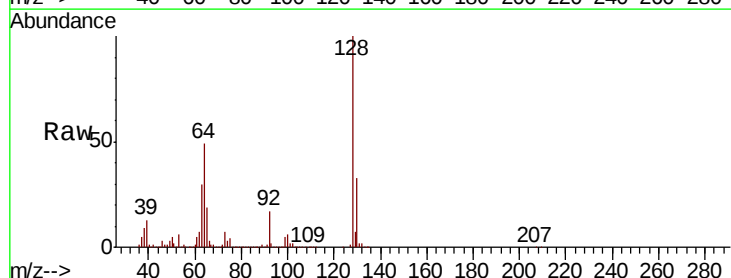
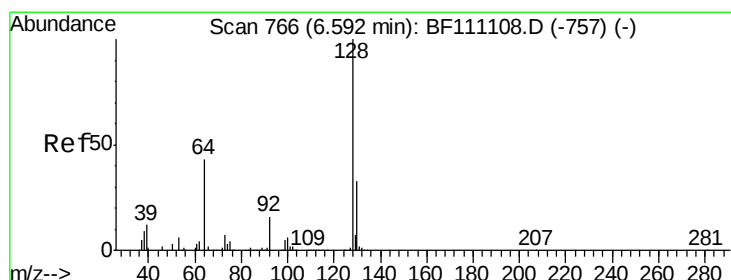
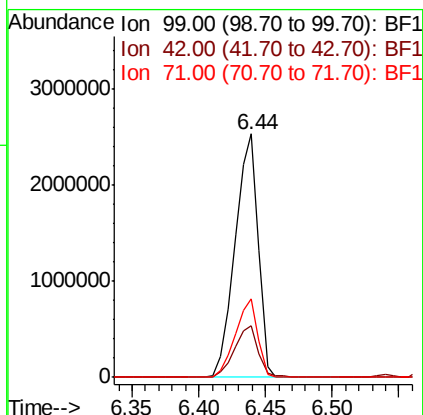
Tgt Ion: 99 Resp: 3052063

Ion Ratio Lower Upper

99 100

42 21.3 19.3 28.9

71 32.3 27.4 41.2



#8

2-Chlorophenol

Concen: 43.064 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

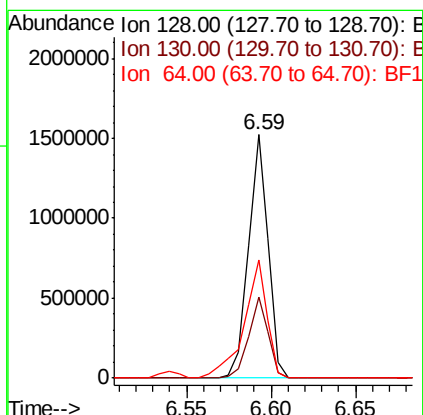
Tgt Ion: 128 Resp: 1240300

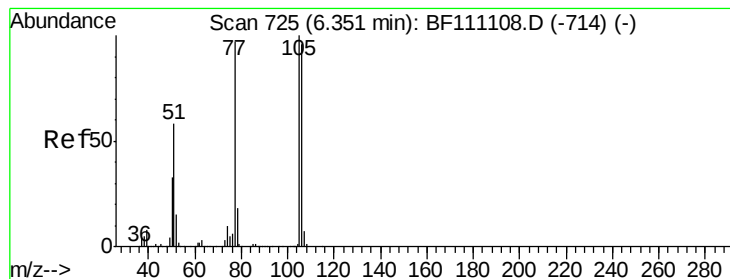
Ion Ratio Lower Upper

128 100

130 33.0 12.8 52.8

64 48.6 26.6 66.6





#9

Benzaldehyde

Concen: 36.361 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

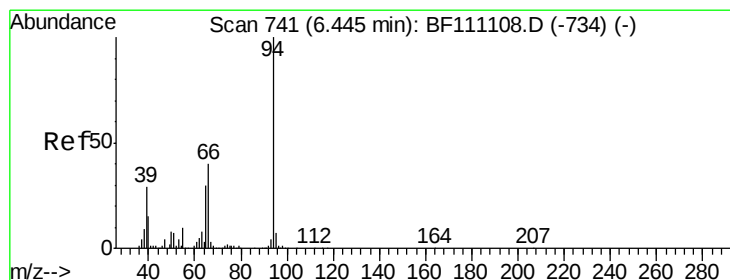
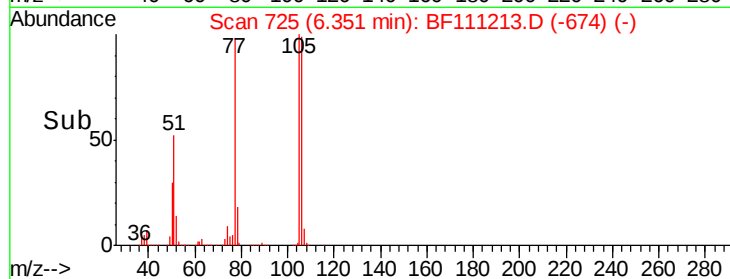
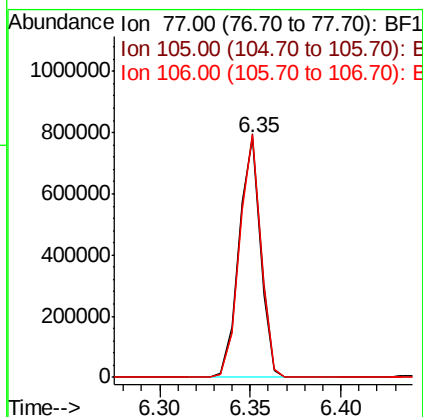
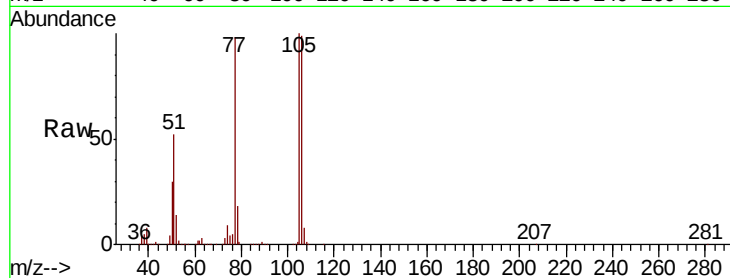
Tgt Ion: 77 Resp: 645338

Ion Ratio Lower Upper

77 100

105 101.9 83.1 123.1

106 101.4 79.0 119.0



#10

Phenol

Concen: 47.512 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

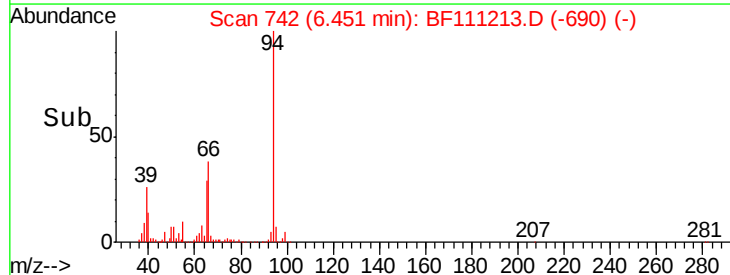
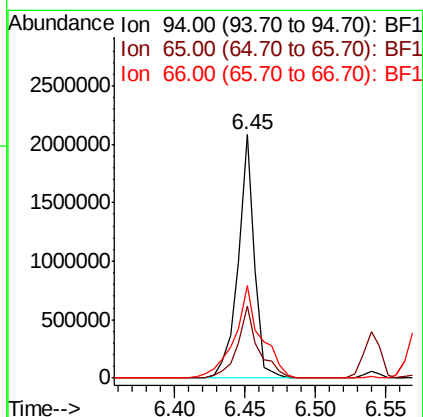
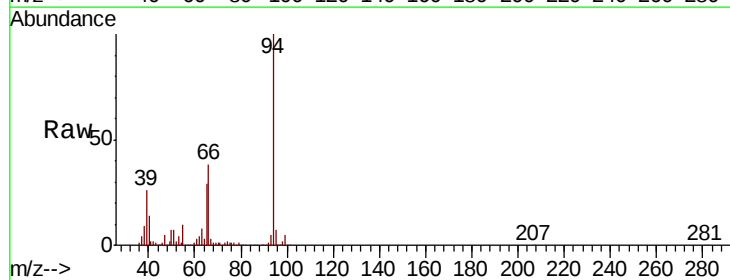
Tgt Ion: 94 Resp: 1667550

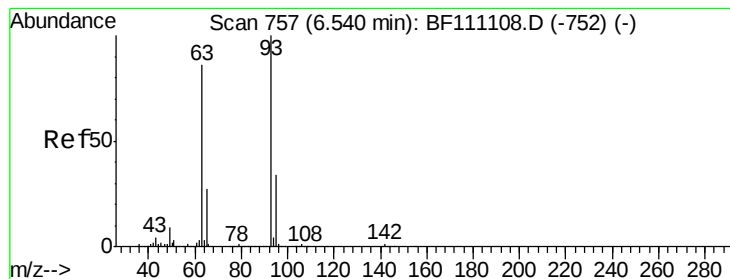
Ion Ratio Lower Upper

94 100

65 29.4 10.5 50.5

66 38.1 19.8 59.8





#11

bis(2-Chloroethyl)ether

Concen: 44.409 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

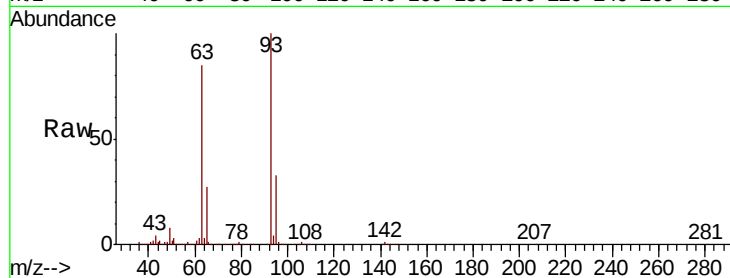
Tgt Ion: 93 Resp: 1273879

Ion Ratio Lower Upper

93 100

63 84.7 66.0 106.0

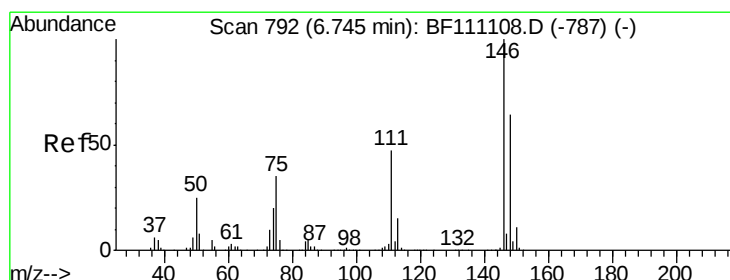
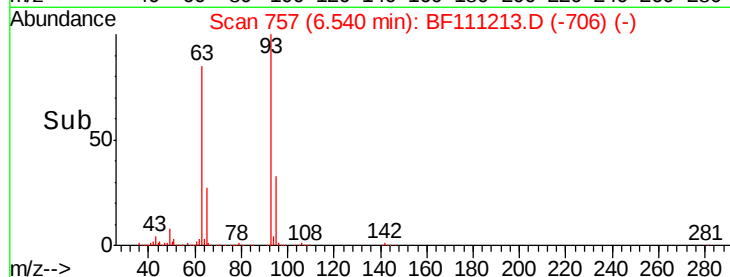
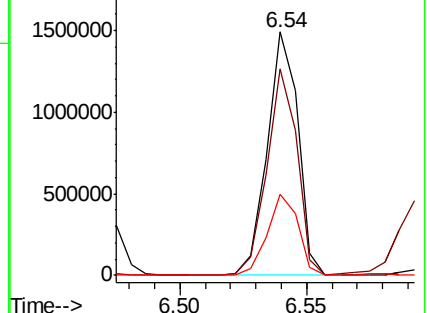
95 33.3 14.3 54.3



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 40.676 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

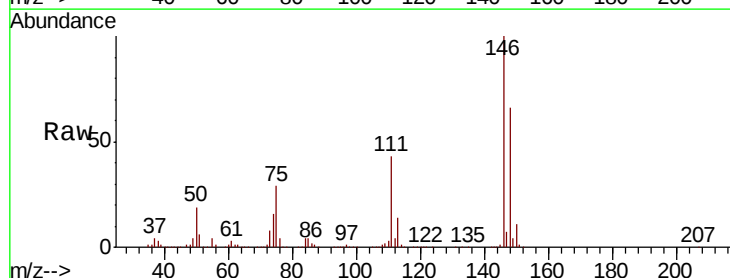
Tgt Ion: 146 Resp: 1245925

Ion Ratio Lower Upper

146 100

148 66.0 51.3 76.9

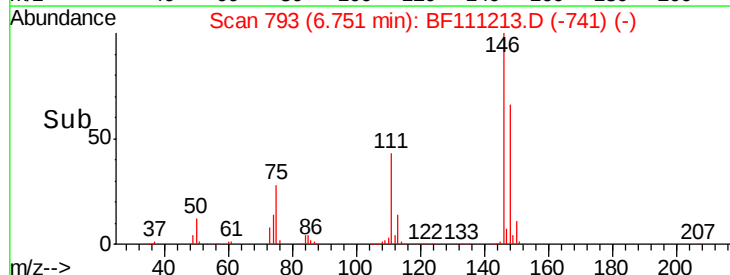
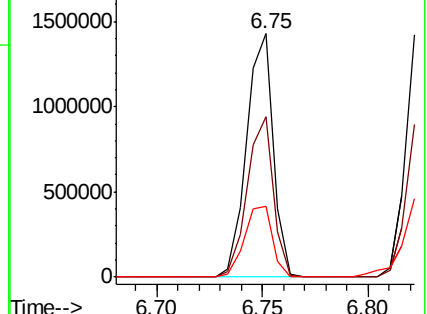
75 29.0 27.7 41.5

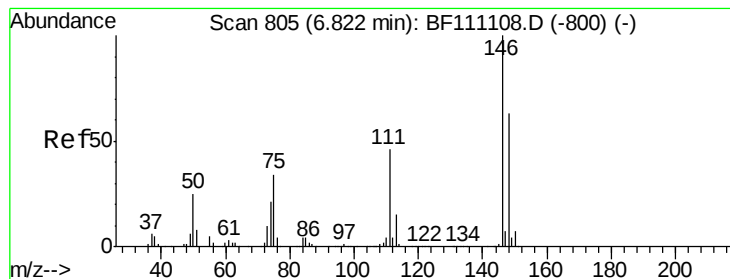


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 41.833 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

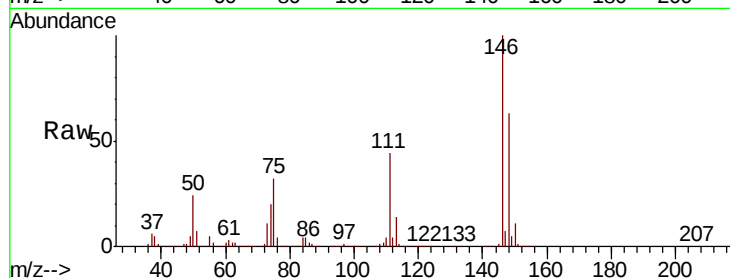
Tgt Ion:146 Resp: 1289480

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

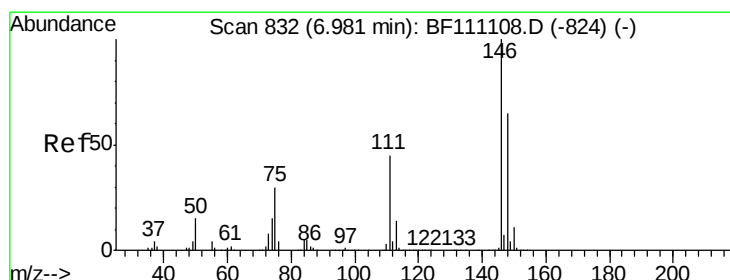
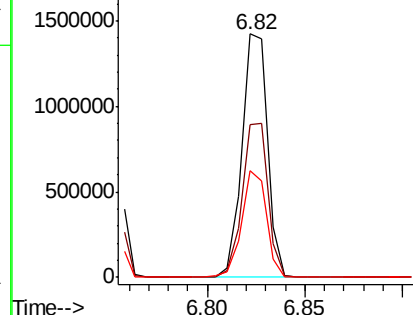
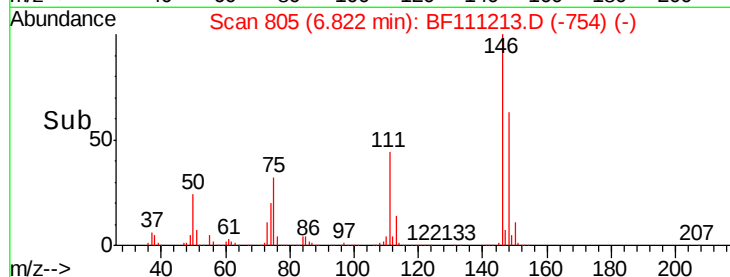
111 44.0 36.6 55.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.501 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

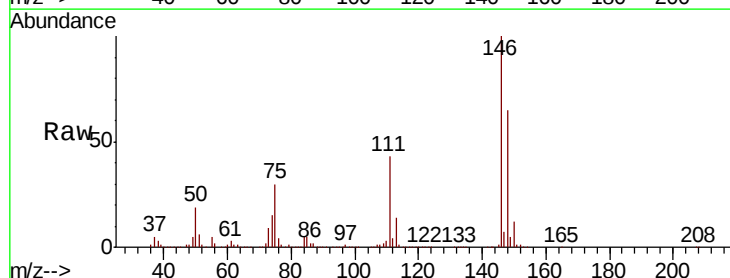
Tgt Ion:146 Resp: 1218676

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

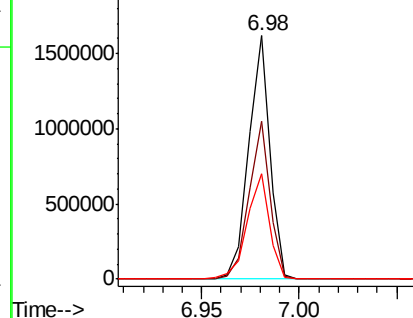
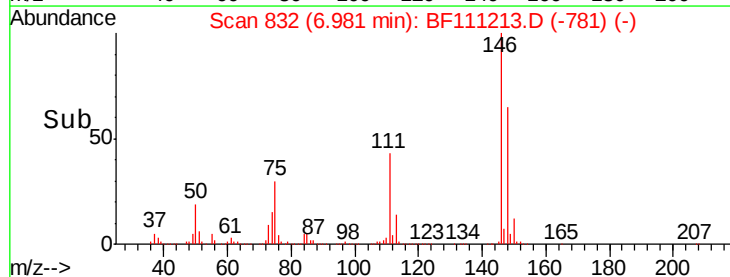
111 43.5 35.7 53.5

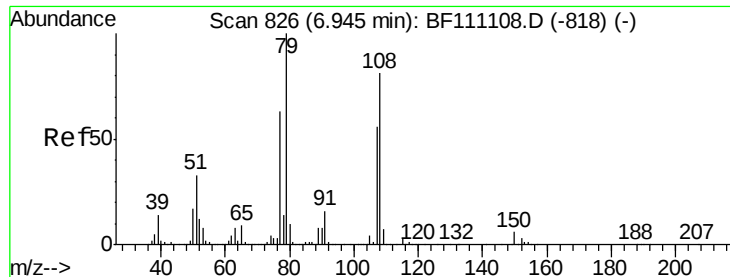


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.810 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

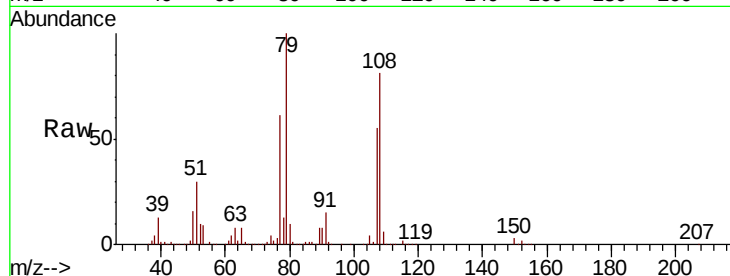
Tgt Ion: 79 Resp: 1091839

Ion Ratio Lower Upper

79 100

108 80.8 64.5 96.7

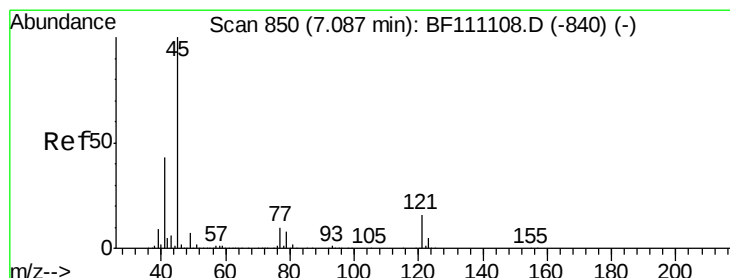
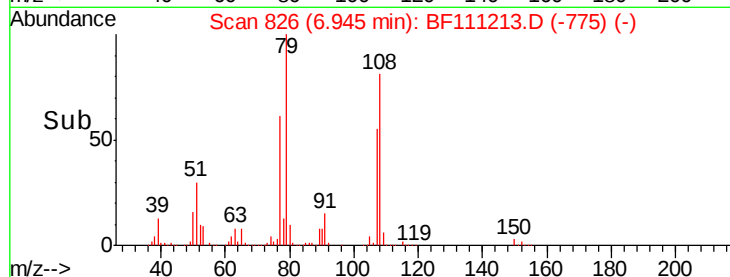
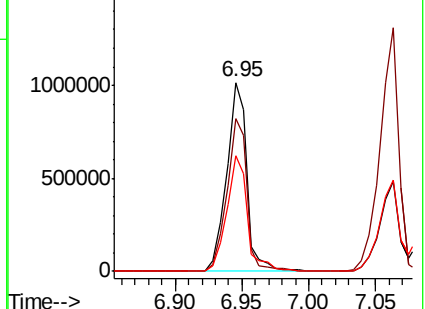
77 61.5 50.5 75.7



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.199 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

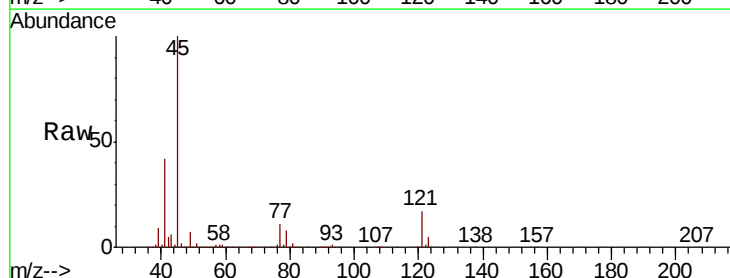
Tgt Ion: 45 Resp: 2243082

Ion Ratio Lower Upper

45 100

77 10.8 0.0 30.6

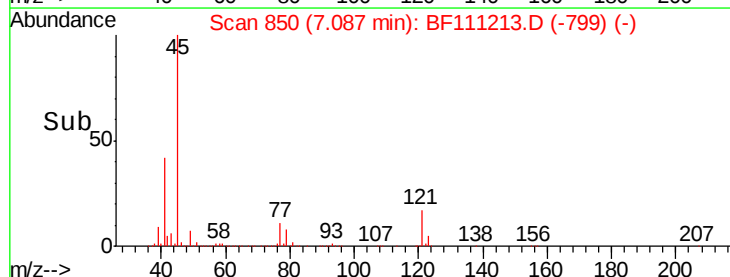
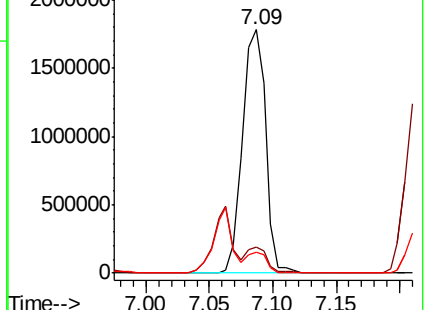
79 8.5 0.0 28.4

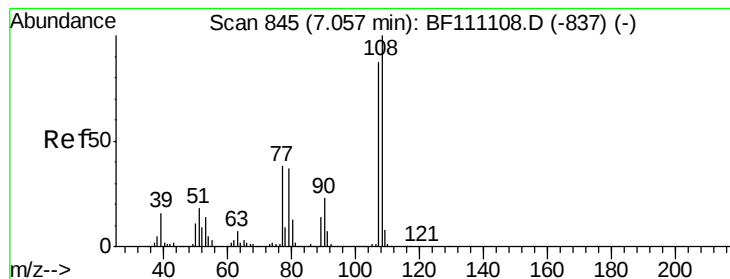


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 46.501 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

Tgt Ion:107 Resp: 1099377

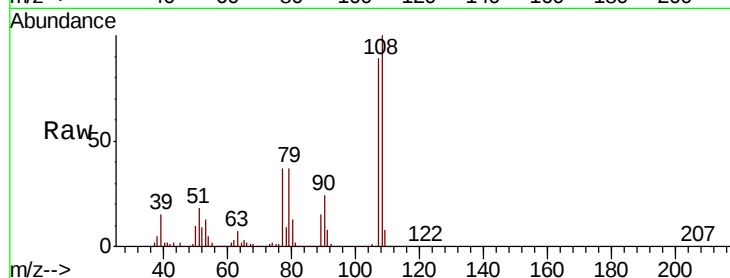
Ion Ratio Lower Upper

107 100

108 112.5 91.8 137.8

77 42.0 34.7 52.1

79 41.6 34.2 51.2

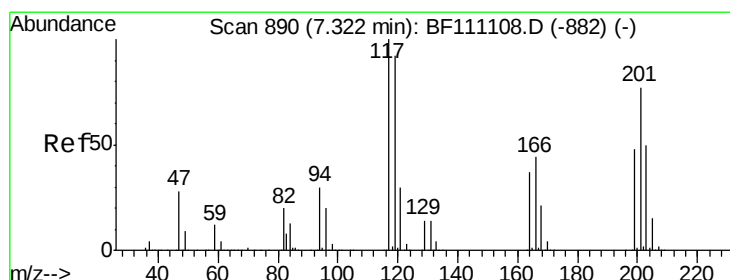
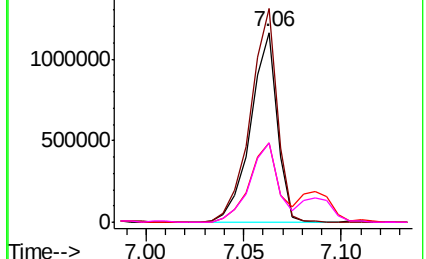
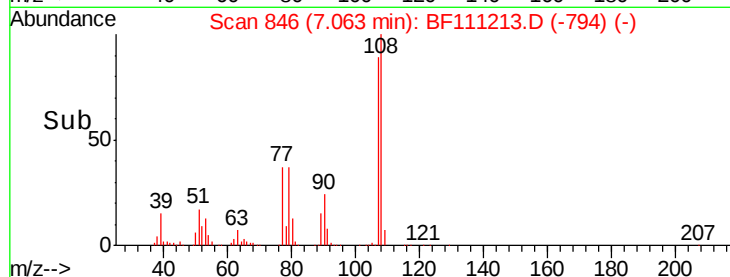


Abundance Ion 107.00 (106.70 to 107.70): E

2000000 Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 39.628 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

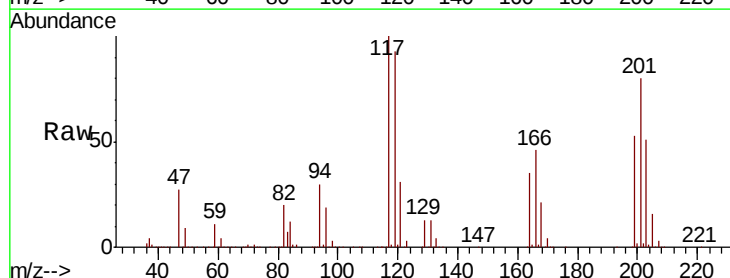
Tgt Ion:117 Resp: 458237

Ion Ratio Lower Upper

117 100

119 93.2 73.8 110.6

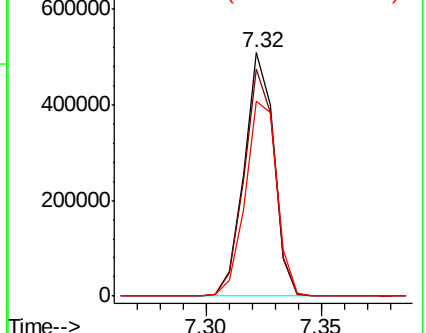
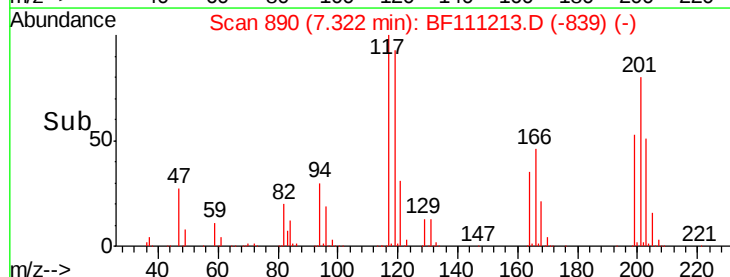
201 80.0 61.2 91.8

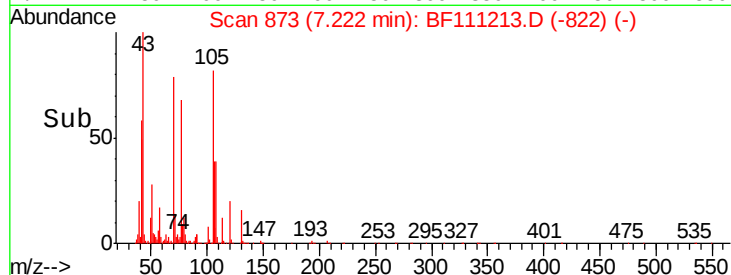
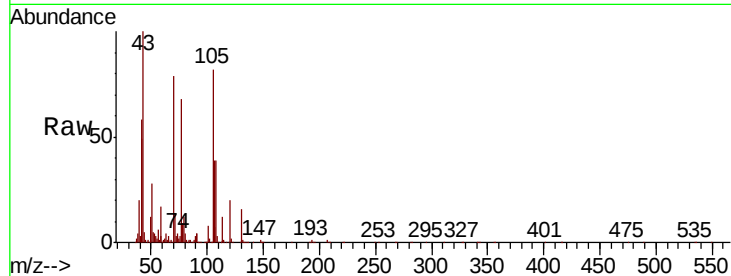
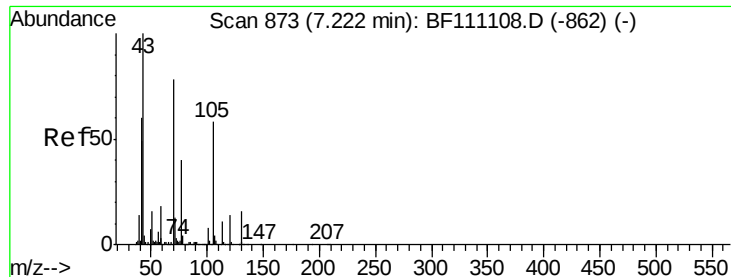


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

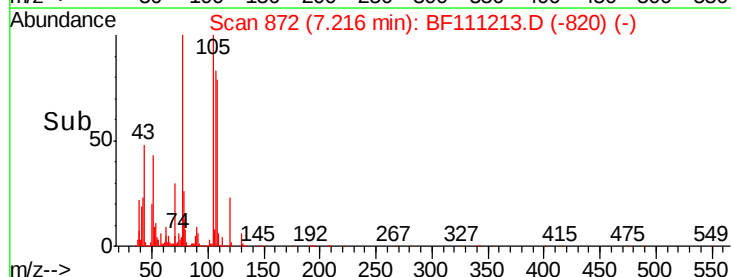
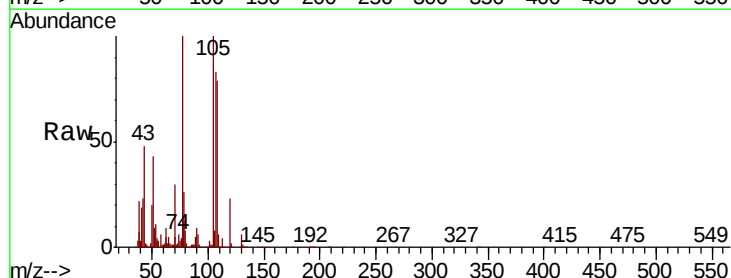
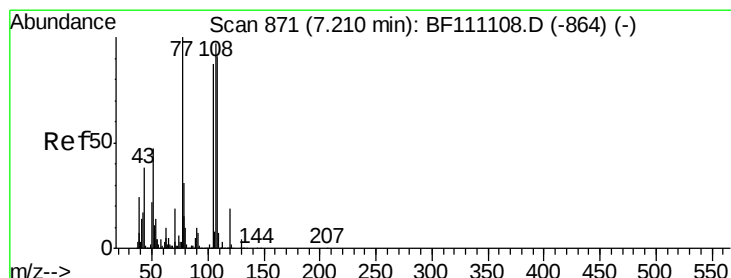
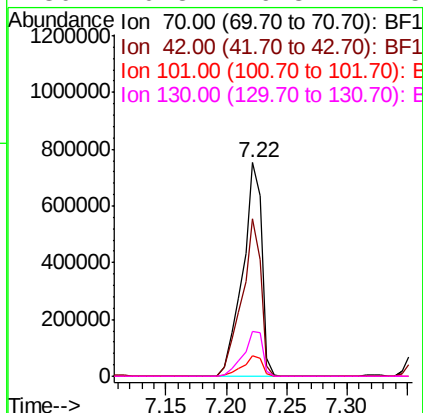




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.485 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

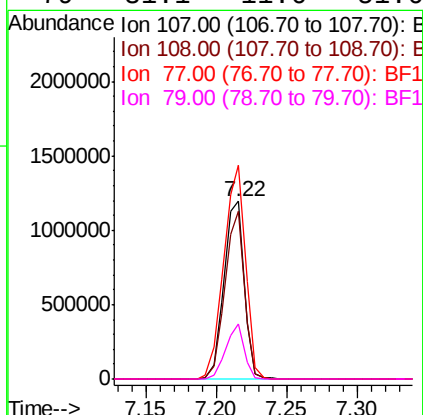
Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

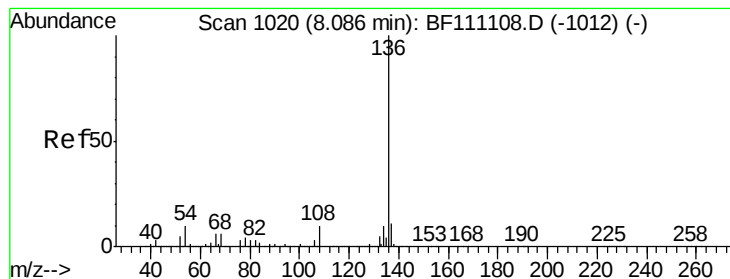
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 832477 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 73.5  | 61.3  | 91.9   |
| 101      | 9.9   | 7.7   | 11.5   |
| 130      | 20.8  | 16.3  | 24.5   |



#20  
3+4-Methylphenols  
Concen: 41.278 ng  
RT: 7.22 min Scan# 872  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 107   | Resp: | 1190262 |
| Ion      | Ratio | Lower | Upper   |
| 107      | 100   |       |         |
| 108      | 94.6  | 74.0  | 114.0   |
| 77       | 120.4 | 83.2  | 123.2   |
| 79       | 31.1  | 11.6  | 51.6    |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

Tgt Ion:136 Resp: 1711387

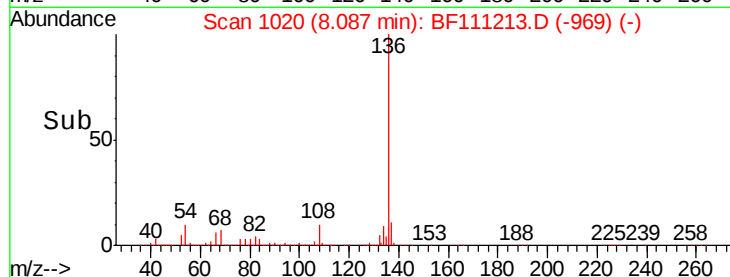
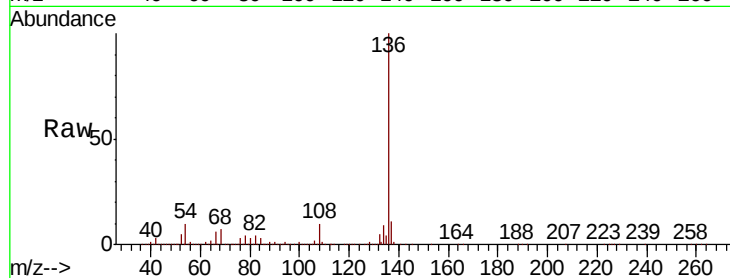
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 10.3 8.4 12.6

68 6.9 5.0 7.4



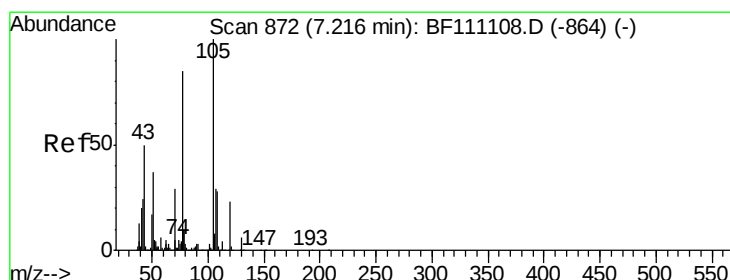
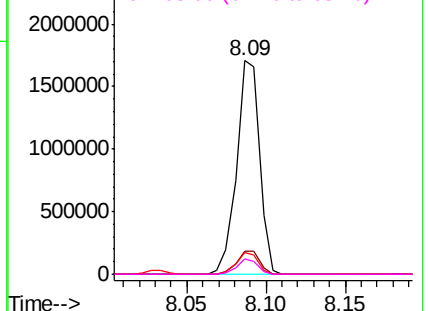
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 37.722 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Tgt Ion:105 Resp: 1560080

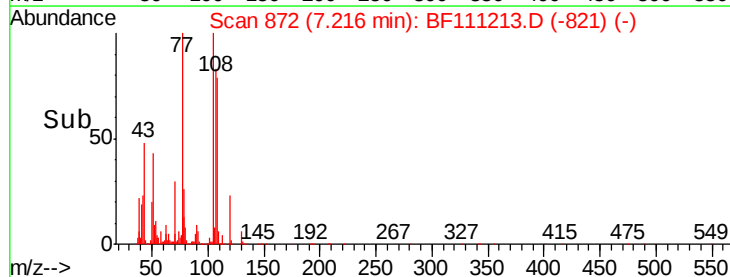
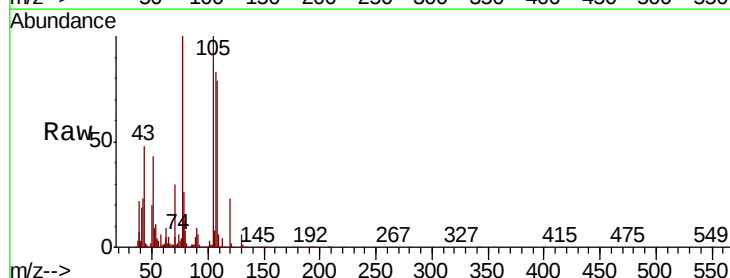
Ion Ratio Lower Upper

105 100

71 5.1 4.0 6.0

51 42.7 29.8 44.8

120 23.0 18.7 28.1



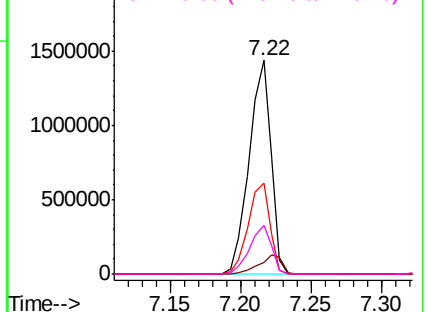
Abundance

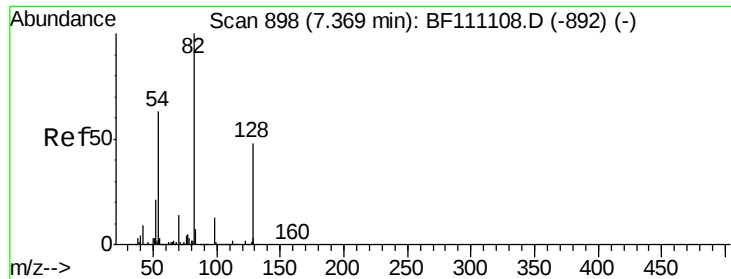
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

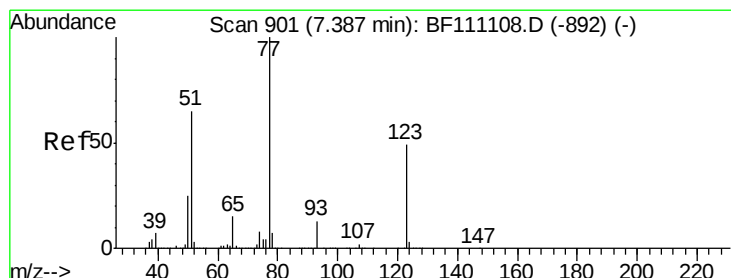
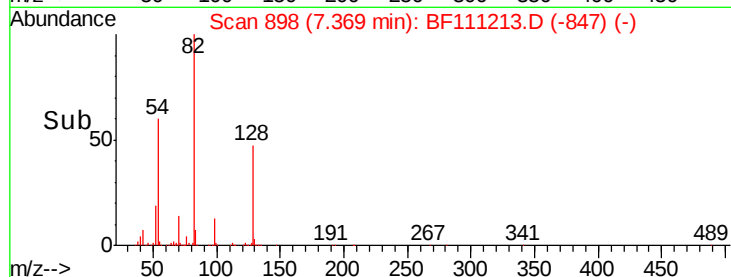
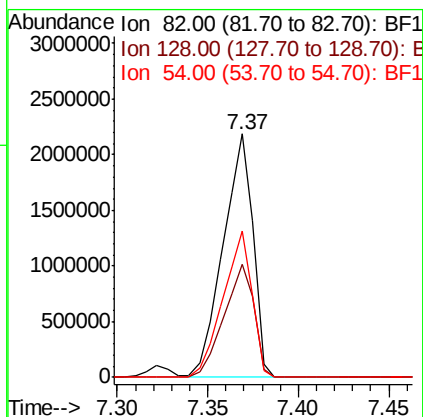
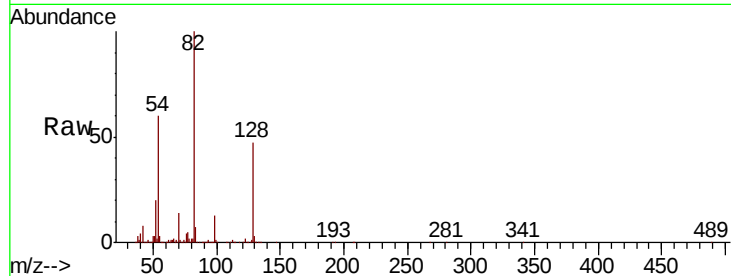




#23  
 Nitrobenzene-d5  
 Concen: 86.459 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. 0.00 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

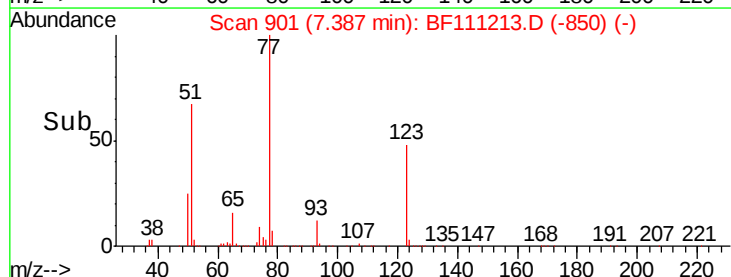
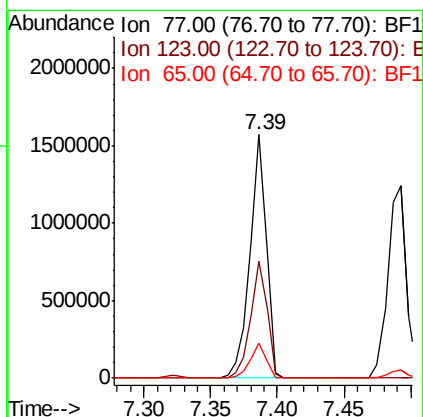
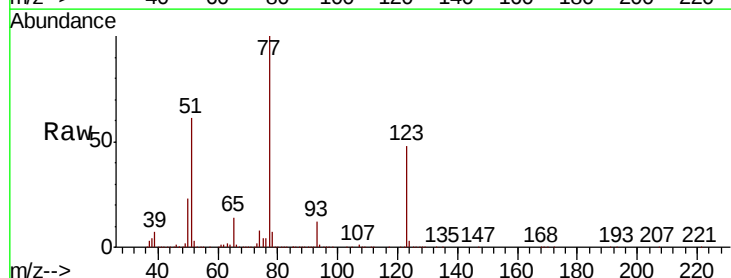
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

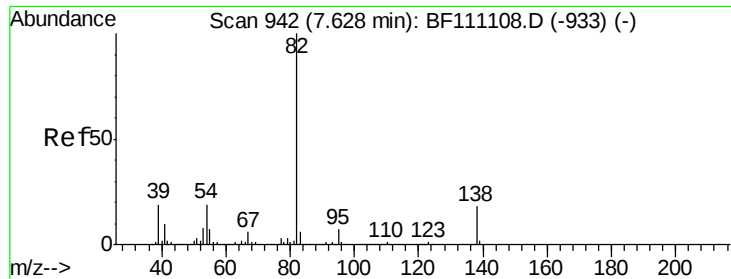
Tgt Ion: 82 Resp: 2499262  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 38.1 57.1  
 54 60.2 50.3 75.5



#24  
 Nitrobenzene  
 Concen: 42.082 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. 0.00 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion: 77 Resp: 1308711  
 Ion Ratio Lower Upper  
 77 100  
 123 47.8 39.5 59.3  
 65 14.3 11.8 17.6

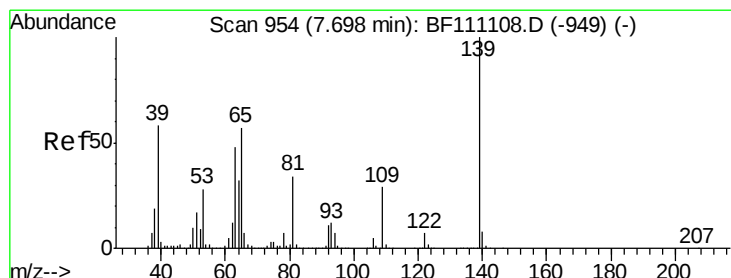
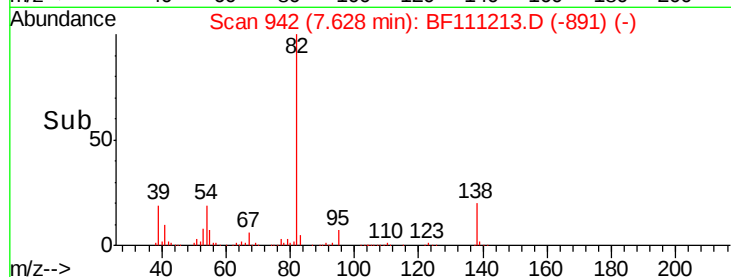
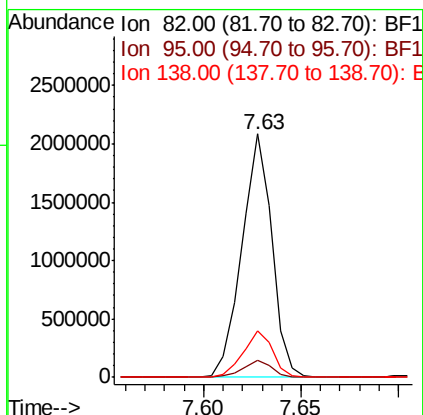
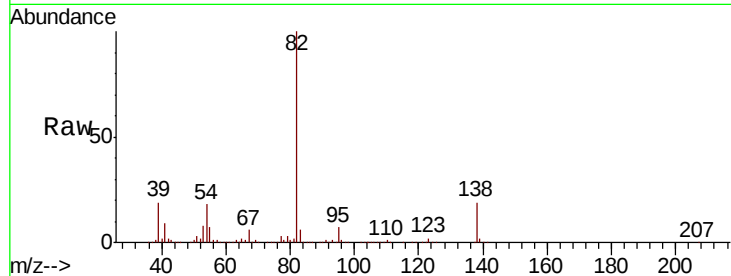




#25  
Isophorone  
Concen: 41.951 ng  
RT: 7.63 min Scan# 942  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

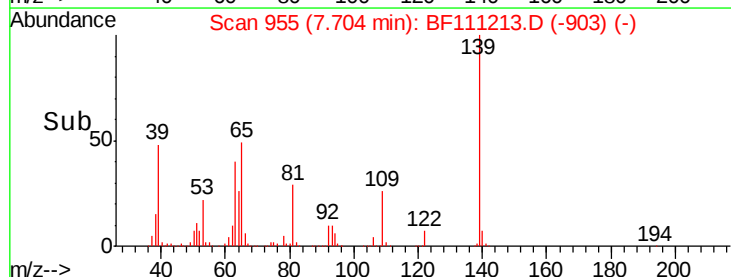
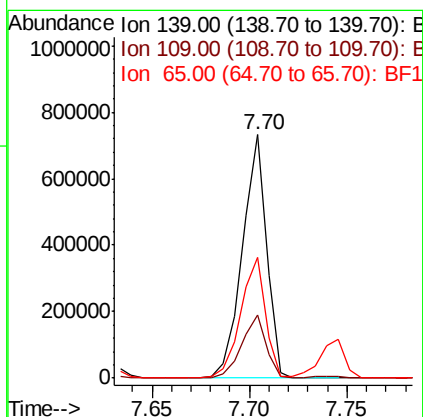
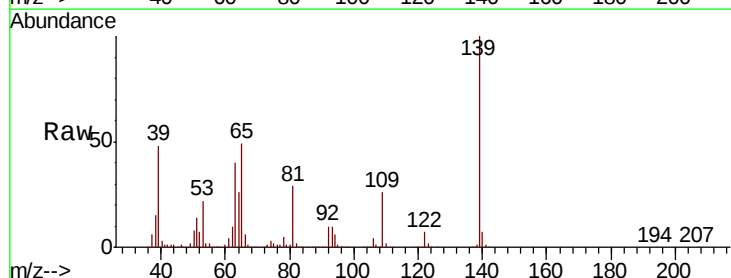
Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

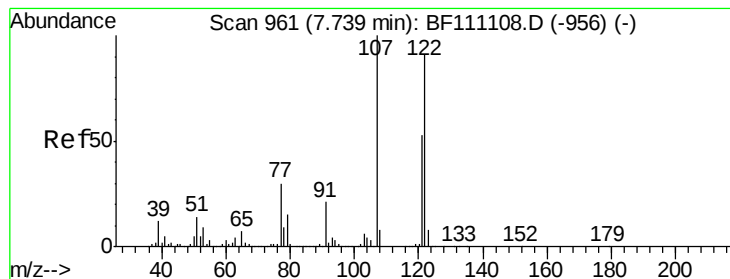
Tgt Ion: 82 Resp: 222554  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.6 8.4  
138 19.0 14.6 22.0



#26  
2-Nitrophenol  
Concen: 47.992 ng  
RT: 7.70 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion: 139 Resp: 630630  
Ion Ratio Lower Upper  
139 100  
109 25.8 23.1 34.7  
65 49.3 45.9 68.9





#27

2,4-Dimethylphenol

Concen: 45.308 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

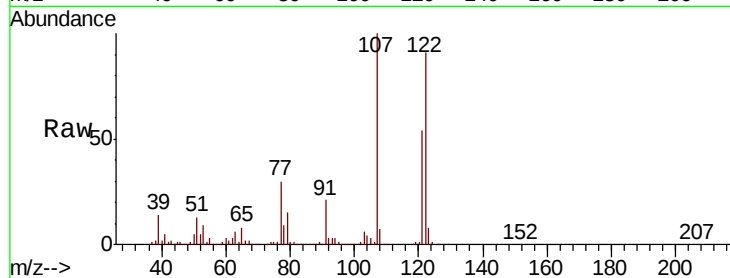
Tgt Ion:122 Resp: 1121242

Ion Ratio Lower Upper

122 100

107 109.8 87.4 131.0

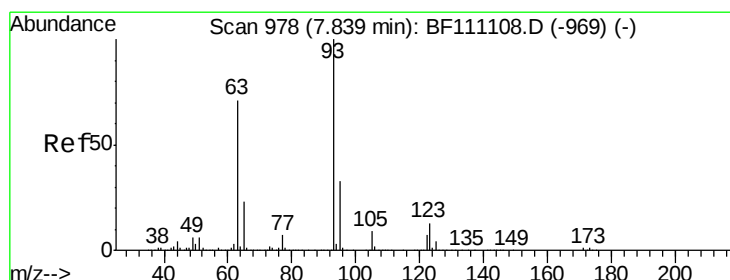
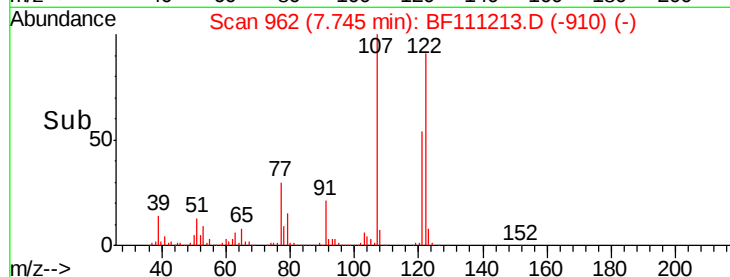
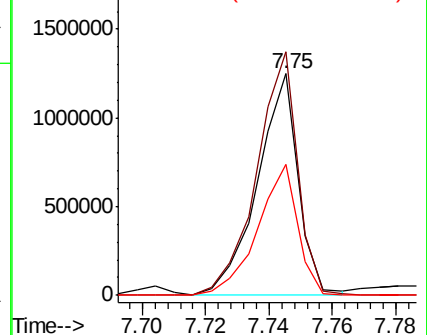
121 58.8 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.728 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

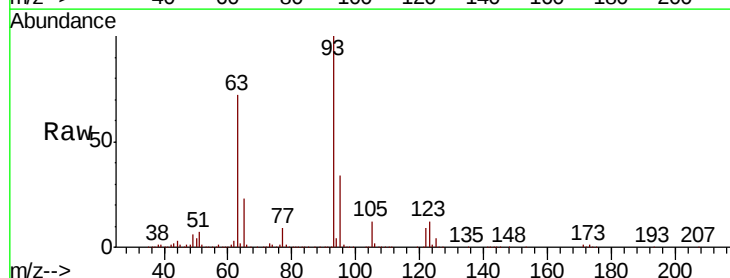
Tgt Ion: 93 Resp: 1498601

Ion Ratio Lower Upper

93 100

95 33.8 26.6 39.8

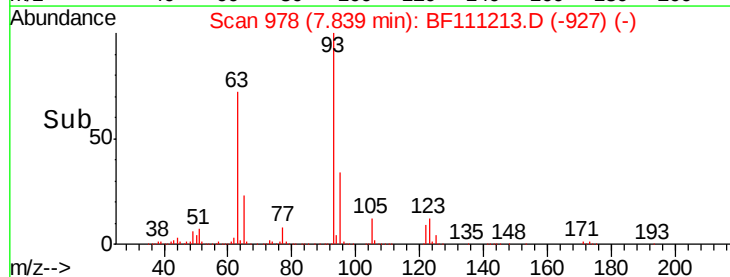
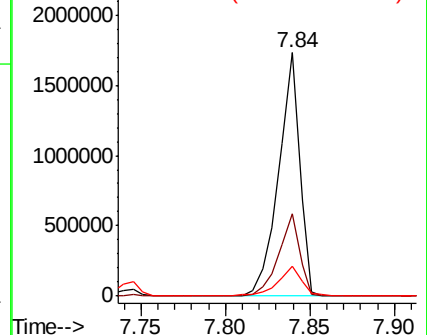
123 12.3 10.3 15.5

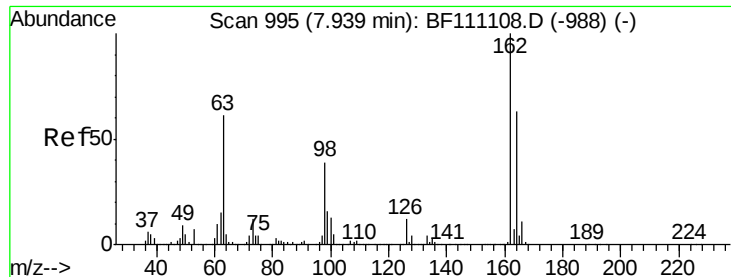


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

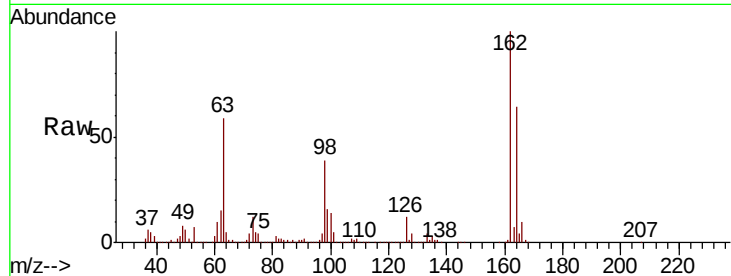




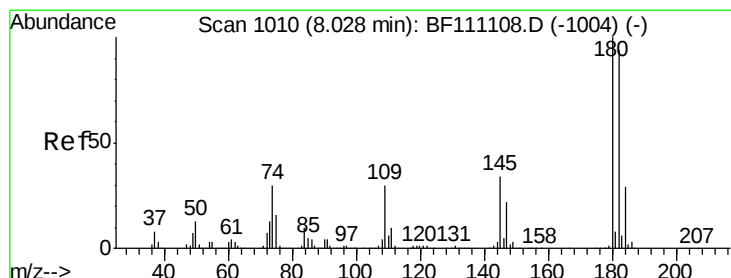
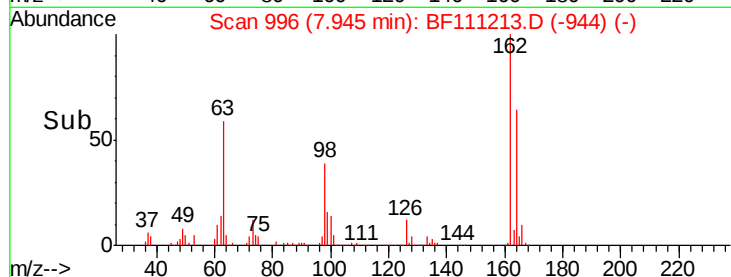
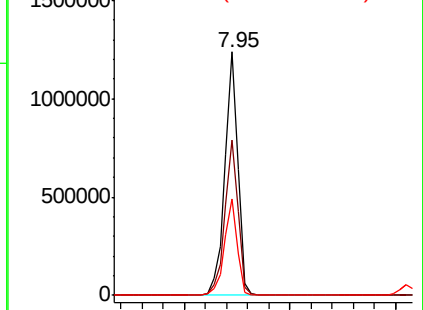
#29  
2,4-Dichlorophenol  
Concen: 43.877 ng  
RT: 7.95 min Scan# 996  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:162 Resp: 1068982  
Ion Ratio Lower Upper  
162 100  
164 63.8 43.3 83.3  
98 39.4 18.9 58.9

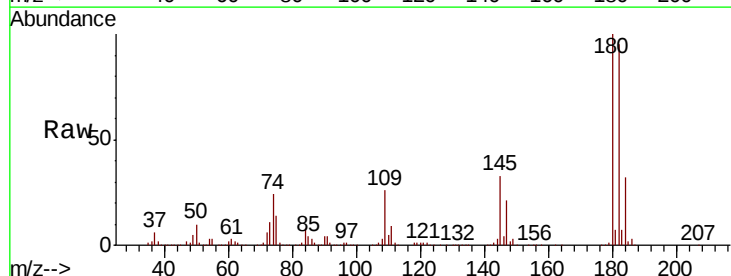


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

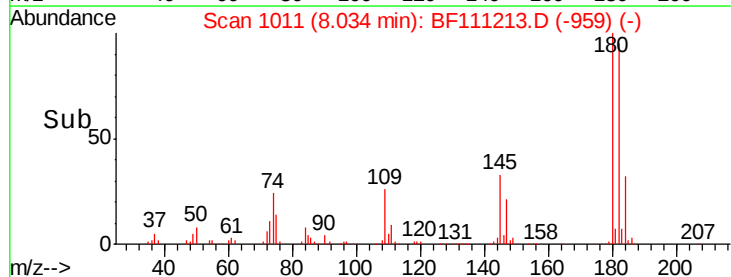
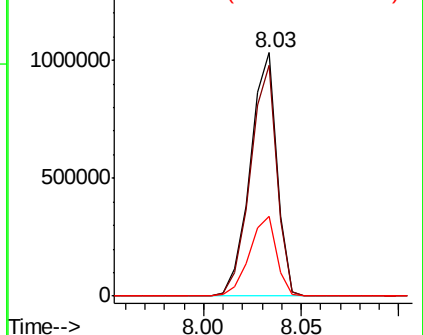


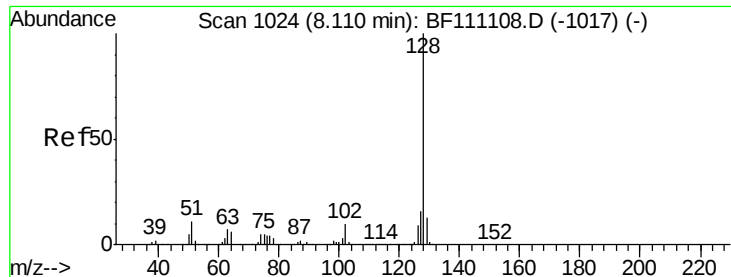
#30  
1,2,4-Trichlorobenzene  
Concen: 39.747 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:180 Resp: 977393  
Ion Ratio Lower Upper  
180 100  
182 94.8 75.1 112.7  
145 32.9 27.6 41.4



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

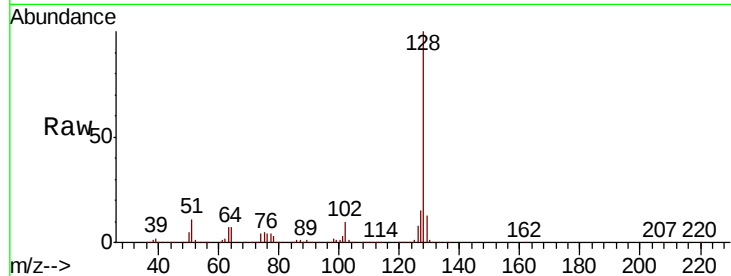




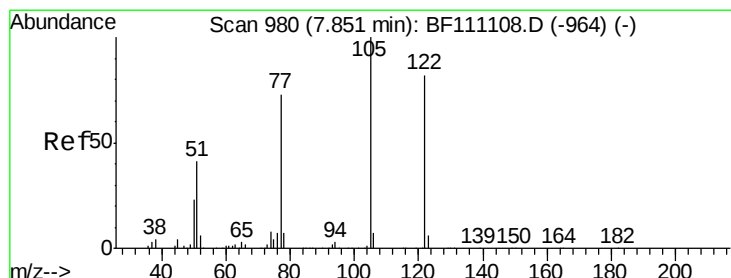
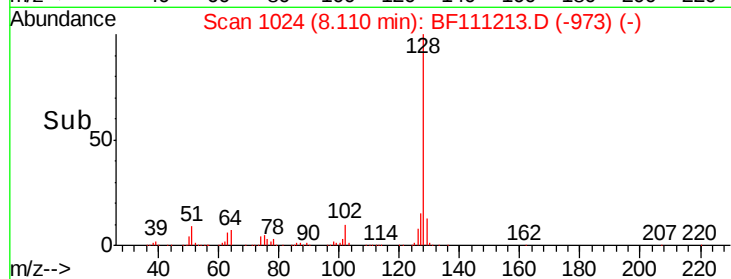
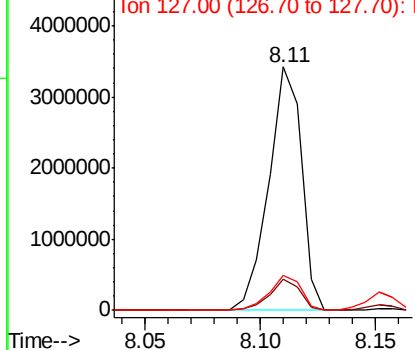
#31  
Naphthalene  
Concen: 45.289 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:128 Resp: 3374559  
Ion Ratio Lower Upper  
128 100  
129 12.7 10.5 15.7  
127 14.6 12.5 18.7

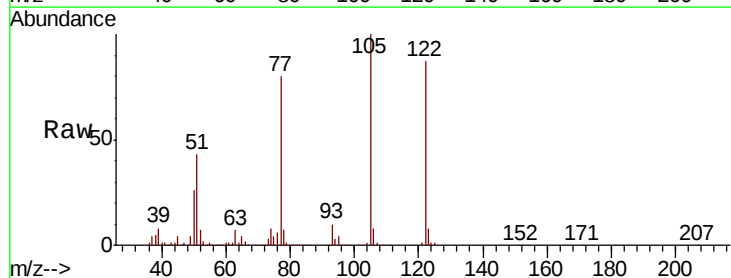


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

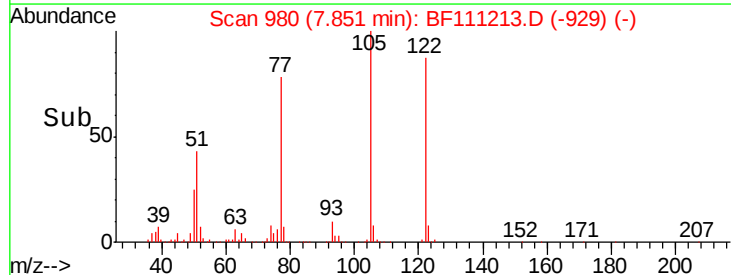
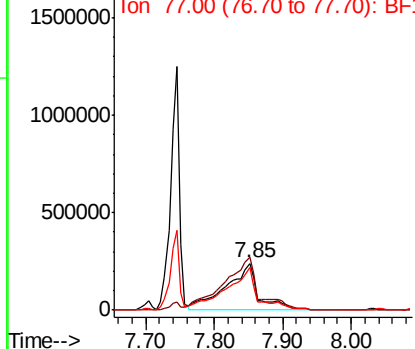


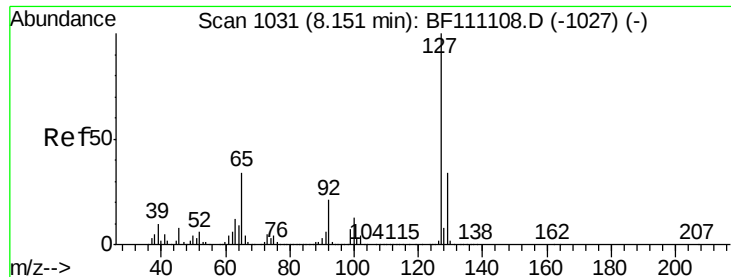
#32  
Benzoic acid  
Concen: 47.910 ng  
RT: 7.85 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:122 Resp: 781847  
Ion Ratio Lower Upper  
122 100  
105 114.9 100.1 140.1  
77 92.1 69.4 109.4



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): BF1

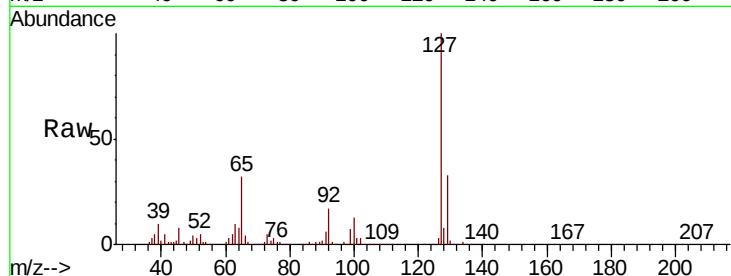




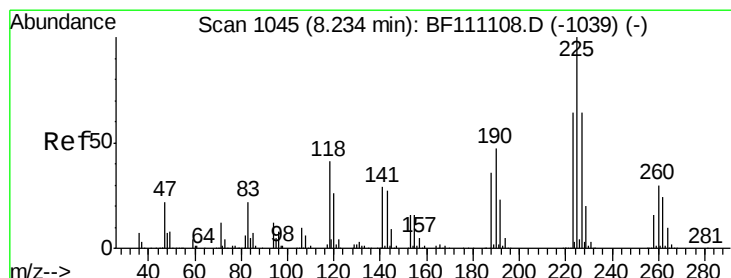
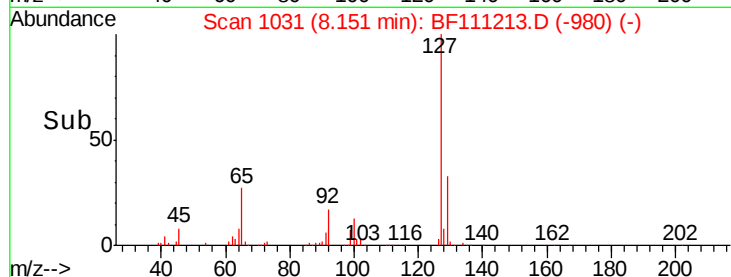
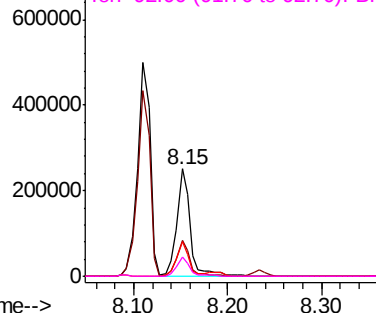
#33  
4-Chloroaniline  
Concen: 7.015 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 252678 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.3  | 27.0  | 40.6   |
| 65       | 31.9  | 27.2  | 40.8   |
| 92       | 17.4  | 16.6  | 24.8   |

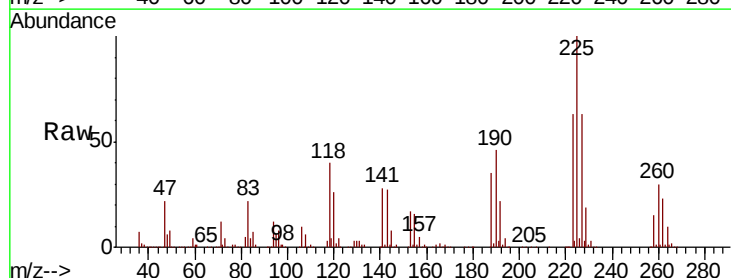


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

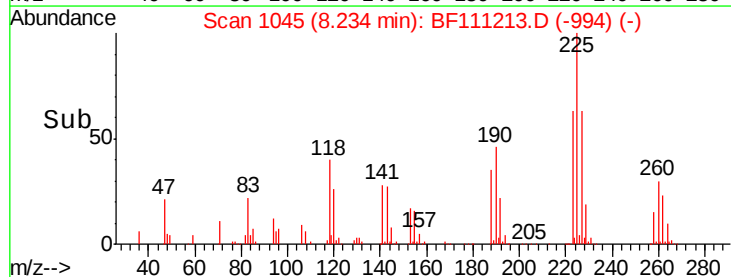
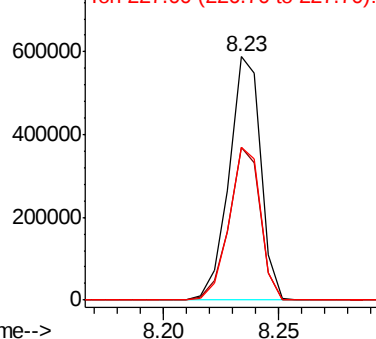


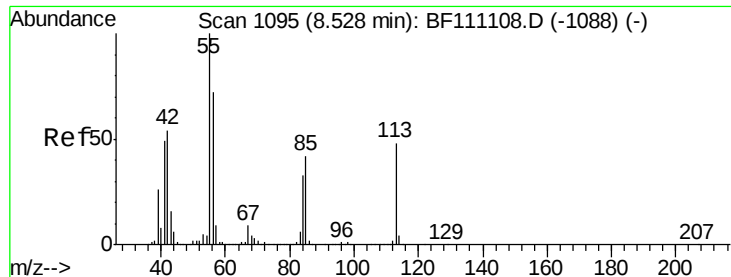
#34  
Hexachlorobutadiene  
Concen: 42.128 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 562979 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.5  | 51.4  | 77.2   |
| 227      | 62.6  | 51.0  | 76.4   |



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

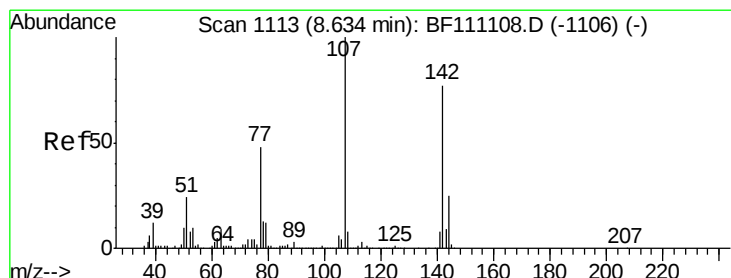
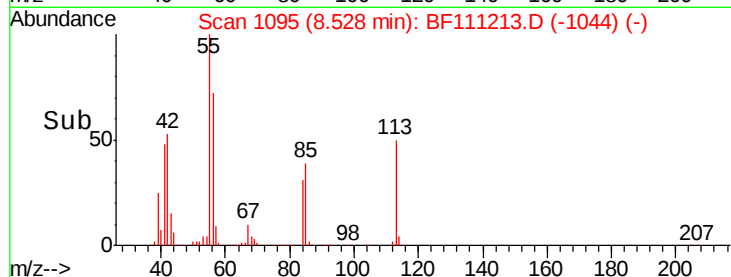
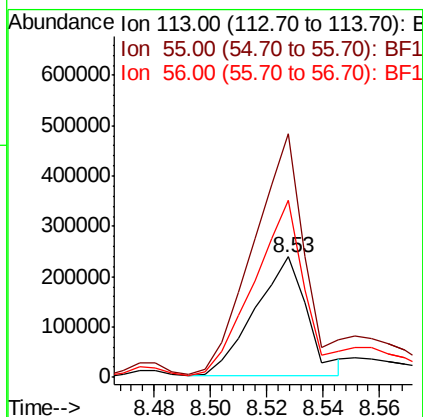
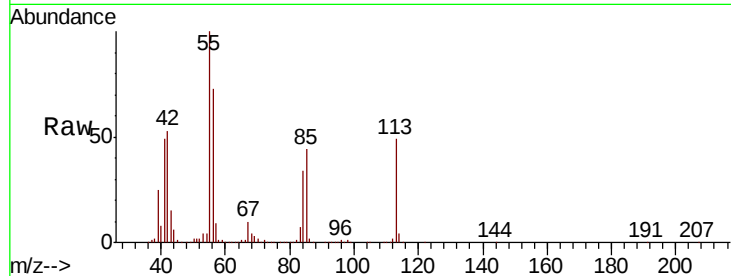




#35  
 Caprolactam  
 Concen: 34.382 ng  
 RT: 8.53 min Scan# 1095  
 Delta R.T. 0.00 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

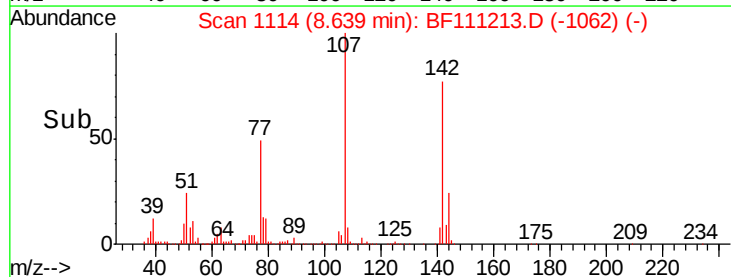
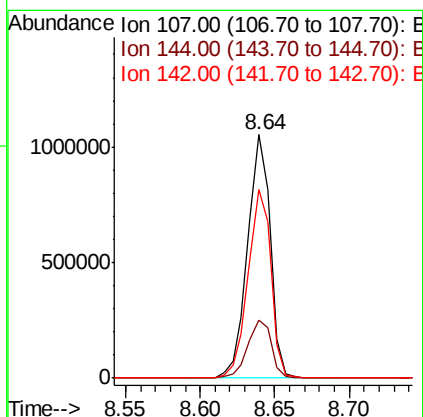
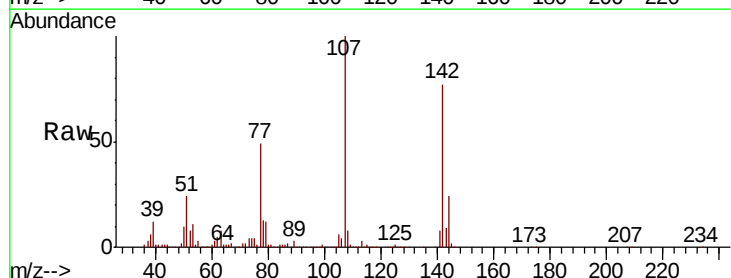
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

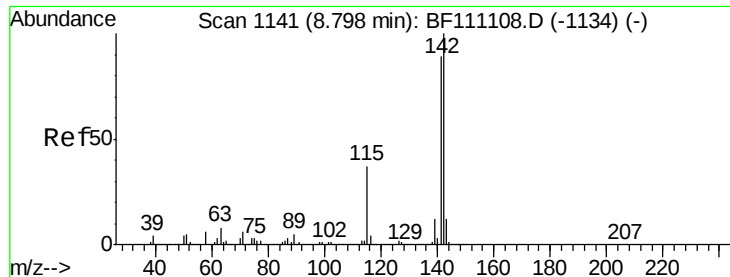
Tgt Ion:113 Resp: 307553  
 Ion Ratio Lower Upper  
 113 100  
 55 202.0 190.6 230.6  
 56 146.5 130.9 170.9



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.275 ng  
 RT: 8.64 min Scan# 1114  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion:107 Resp: 1101447  
 Ion Ratio Lower Upper  
 107 100  
 144 23.9 19.9 29.9  
 142 77.3 61.4 92.0

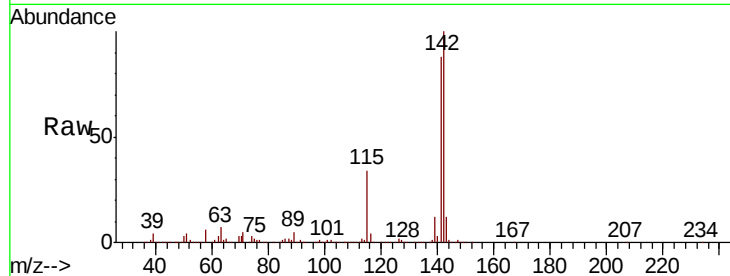




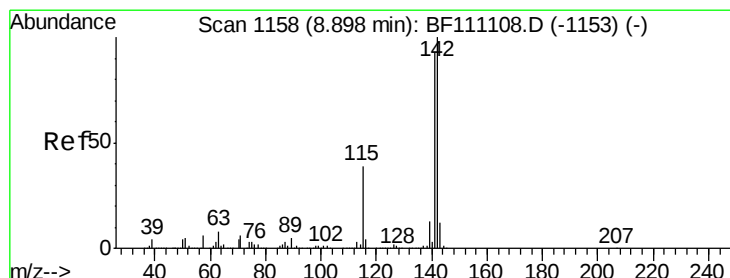
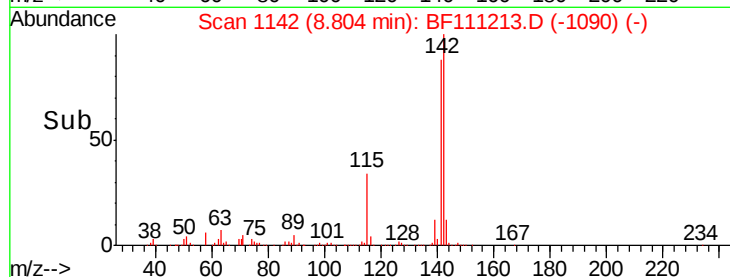
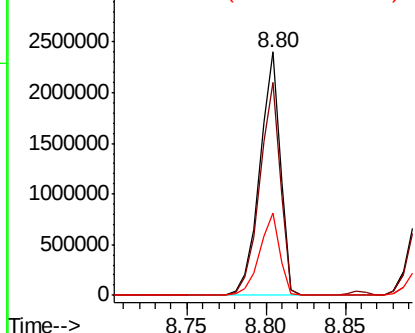
#37  
 2-Methylnaphthalene  
 Concen: 42.513 ng  
 RT: 8.80 min Scan# 1142  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

Tgt Ion:142 Resp: 2185050  
 Ion Ratio Lower Upper  
 142 100  
 141 87.6 71.4 107.0  
 115 34.0 29.2 43.8

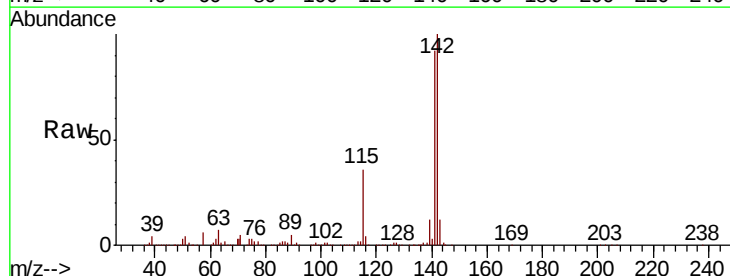


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

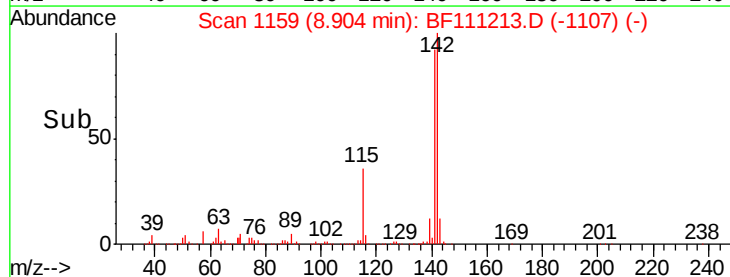
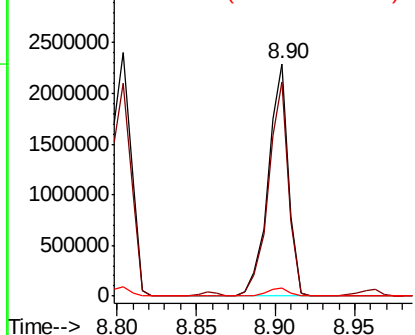


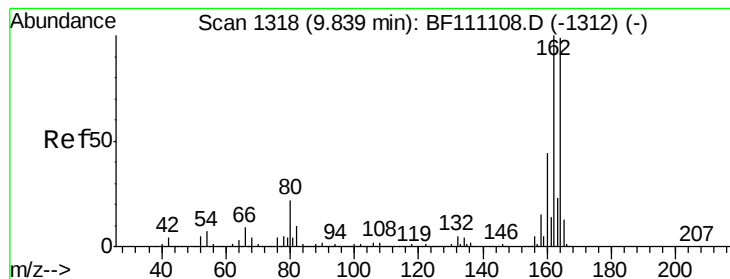
#38  
 1-Methylnaphthalene  
 Concen: 41.502 ng  
 RT: 8.90 min Scan# 1159  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion:142 Resp: 2050800  
 Ion Ratio Lower Upper  
 142 100  
 141 92.0 74.5 111.7  
 116 3.7 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

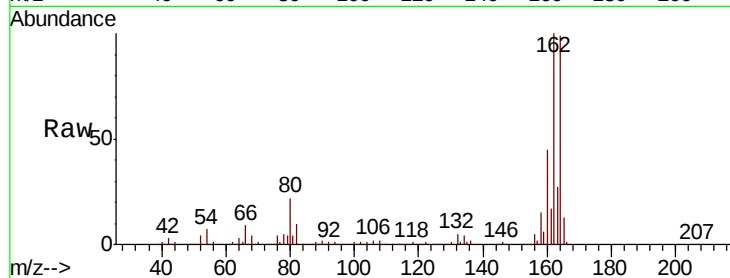
Tgt Ion:164 Resp: 735214

Ion Ratio Lower Upper

164 100

162 100.6 80.6 120.8

160 45.1 35.5 53.3

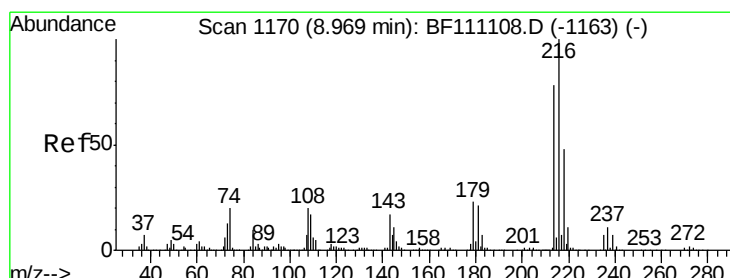
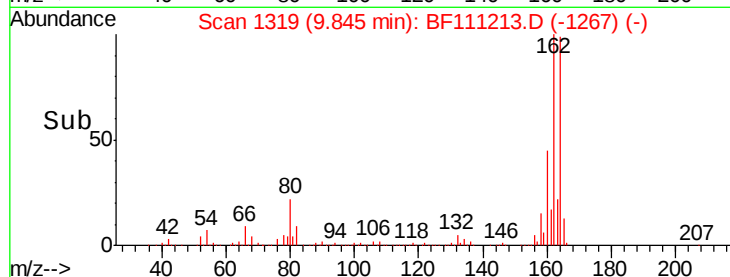
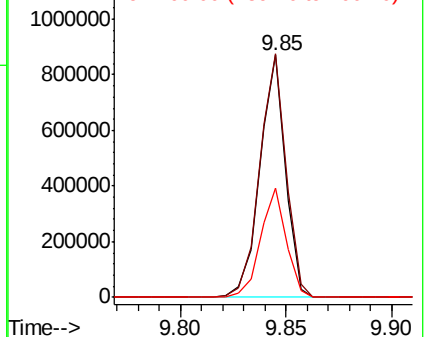


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.656 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Tgt Ion:216 Resp: 796658

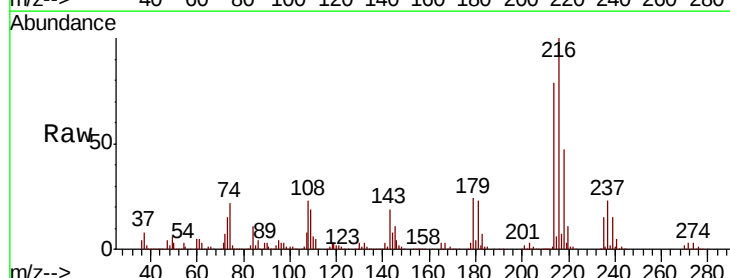
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.0

179 22.6 18.5 27.7

108 22.7 19.1 28.7



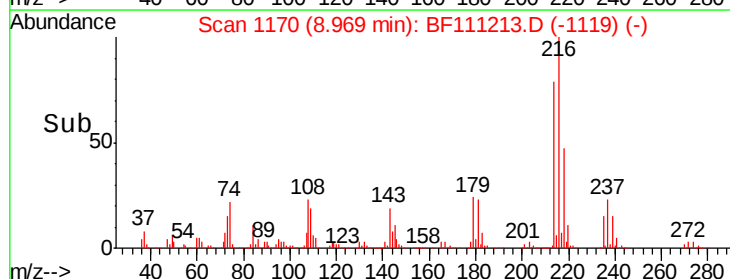
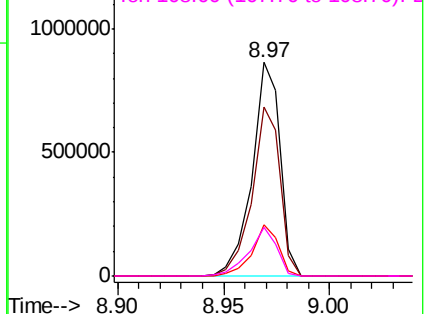
Abundance

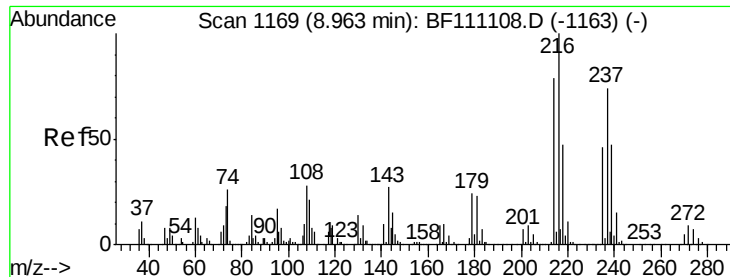
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 45.163 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

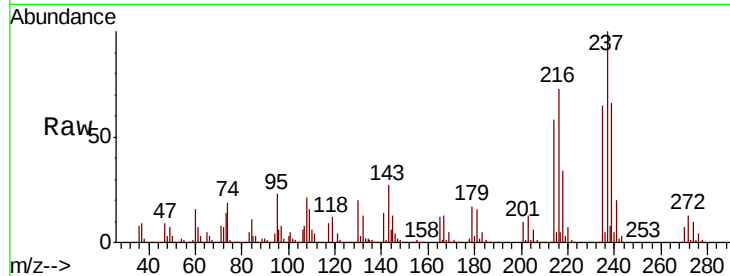
Tgt Ion: 237 Resp: 466639

Ion Ratio Lower Upper

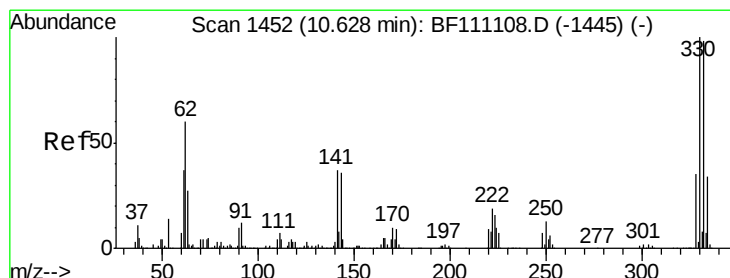
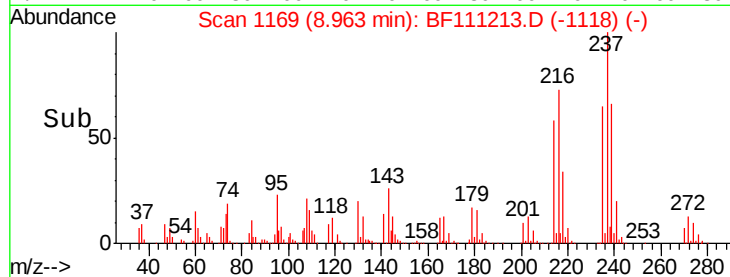
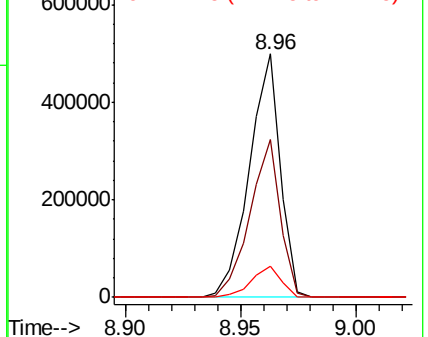
237 100

235 64.7 41.9 81.9

272 13.0 0.0 32.7



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 93.011 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

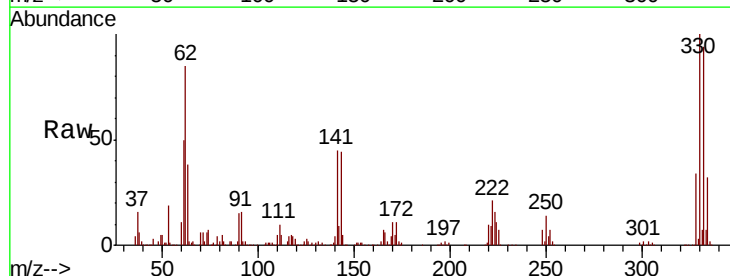
Tgt Ion: 330 Resp: 543566

Ion Ratio Lower Upper

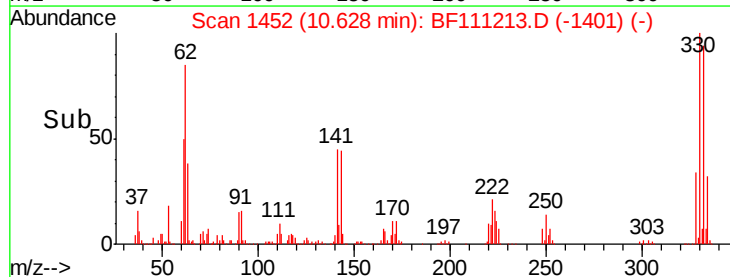
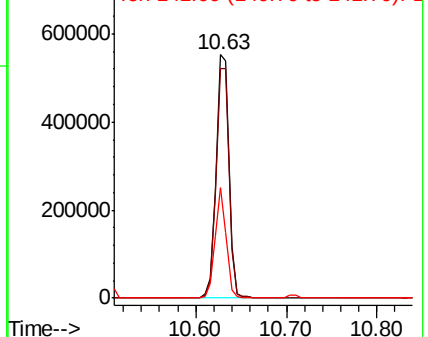
330 100

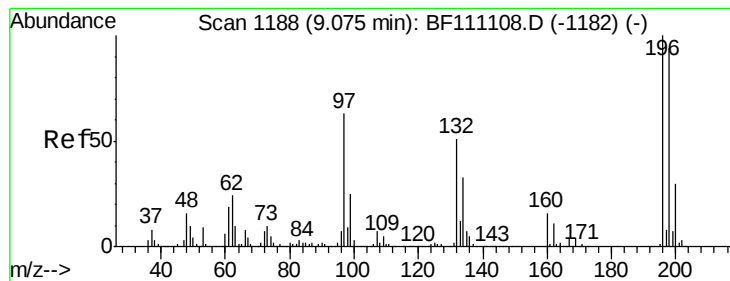
332 94.8 77.2 115.8

141 39.4 36.1 54.1



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





#43

2,4,6-Trichlorophenol

Concen: 43.319 ng

RT: 9.08 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

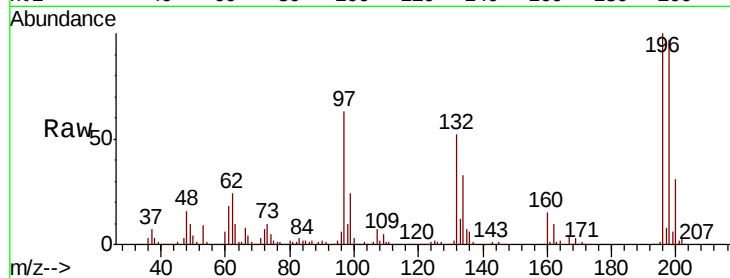
Tgt Ion:196 Resp: 619950

Ion Ratio Lower Upper

196 100

198 97.3 75.4 113.0

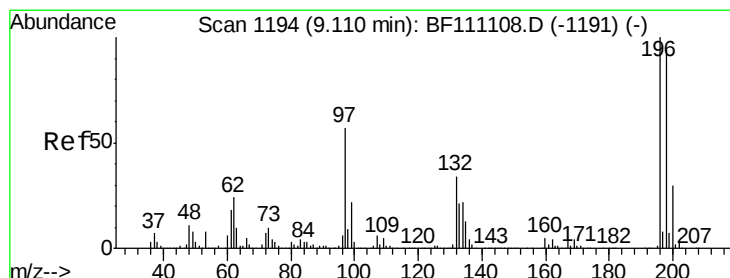
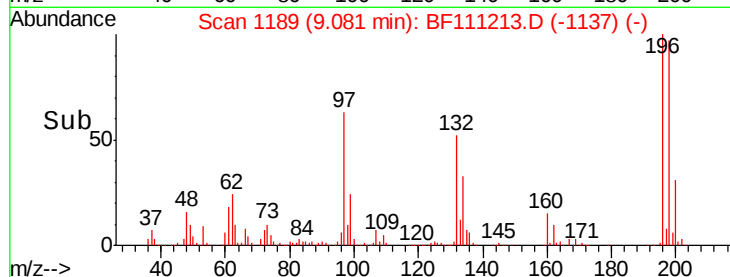
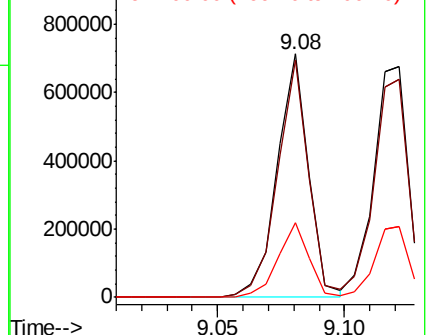
200 30.6 24.2 36.4



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 44.257 ng

RT: 9.12 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Tgt Ion:196 Resp: 642062

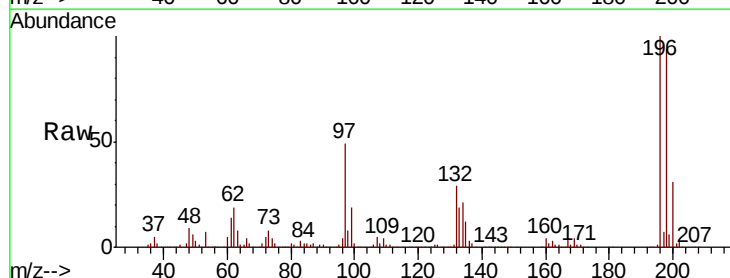
Ion Ratio Lower Upper

196 100

198 94.4 75.0 112.4

97 49.2 46.2 69.4

132 29.2 27.2 40.8

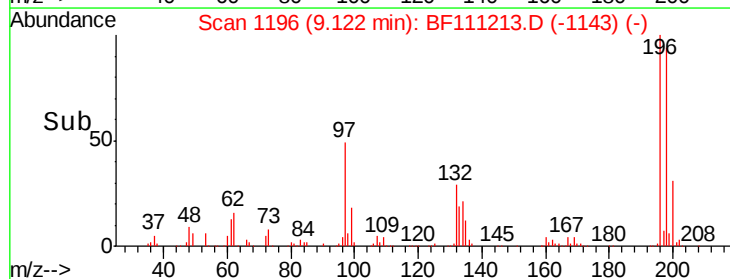
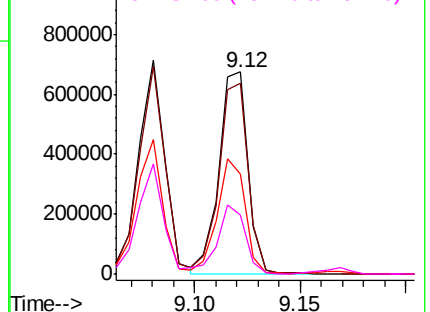


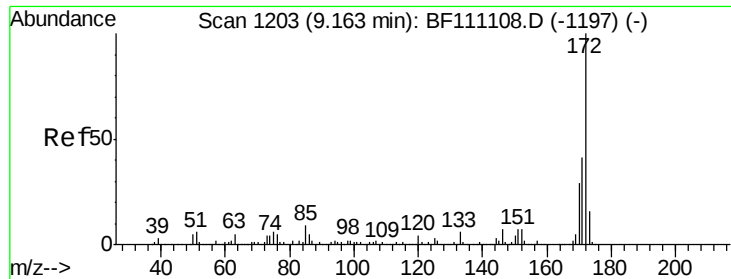
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

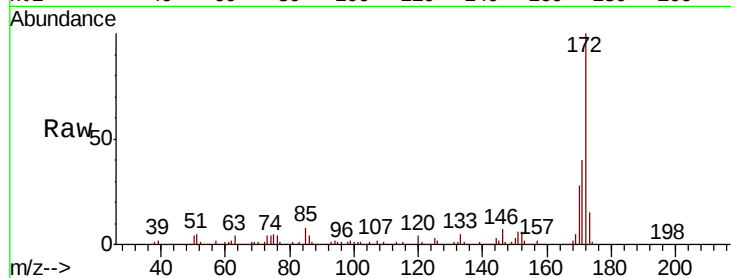




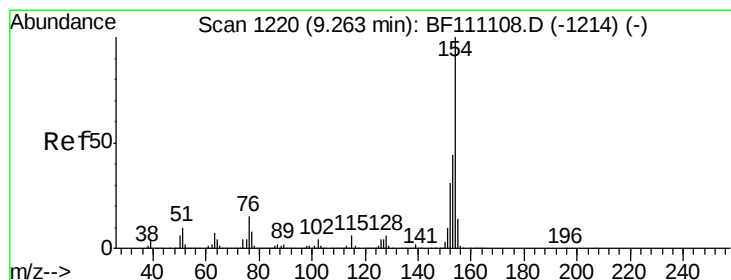
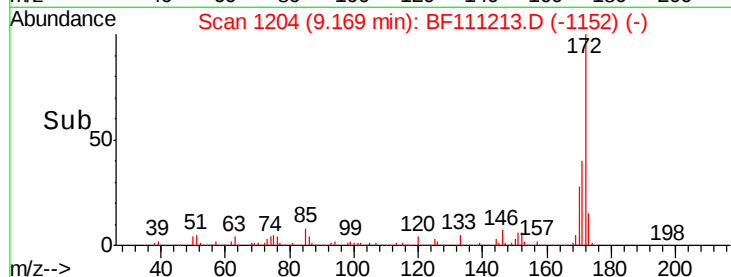
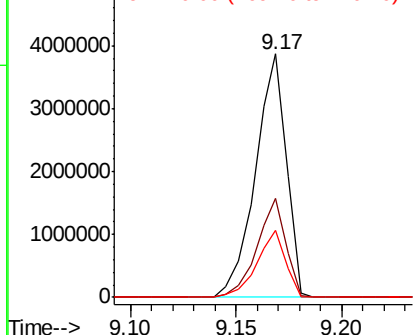
#45  
2-Fluorobiphenyl  
Concen: 101.668 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:172 Resp: 3926143  
Ion Ratio Lower Upper  
172 100  
171 40.4 33.2 49.8  
170 27.7 22.9 34.3

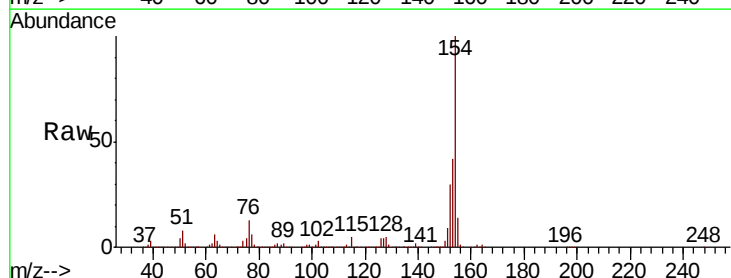


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

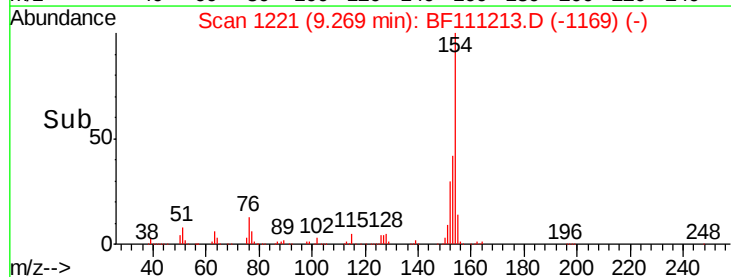
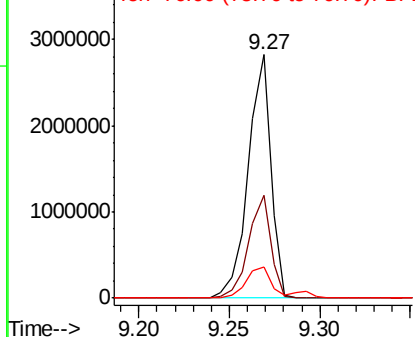


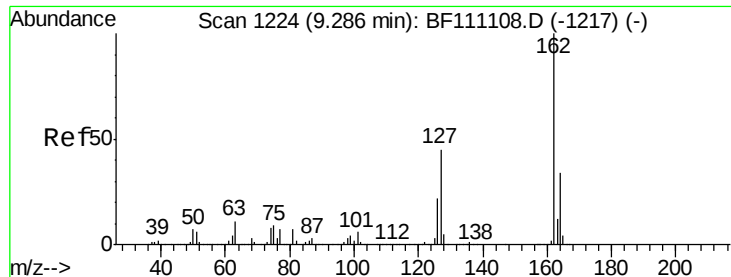
#46  
1,1'-Biphenyl  
Concen: 40.810 ng  
RT: 9.27 min Scan# 1221  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:154 Resp: 2456187  
Ion Ratio Lower Upper  
154 100  
153 42.0 23.7 63.7  
76 12.9 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): BF1

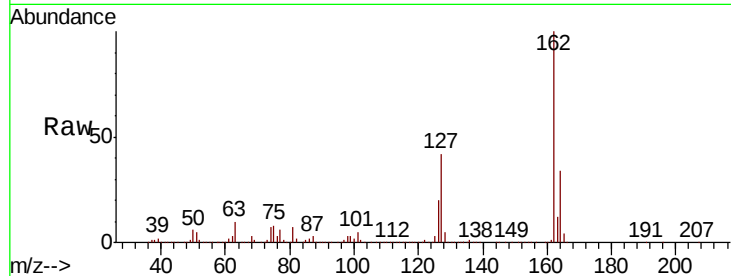




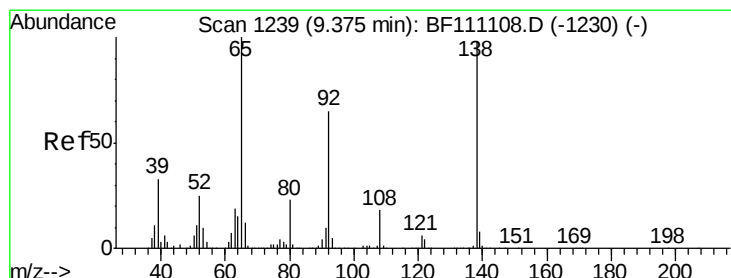
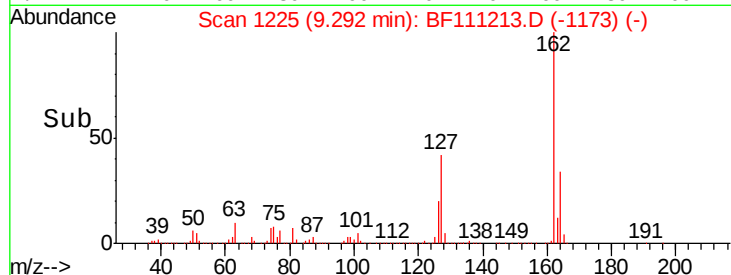
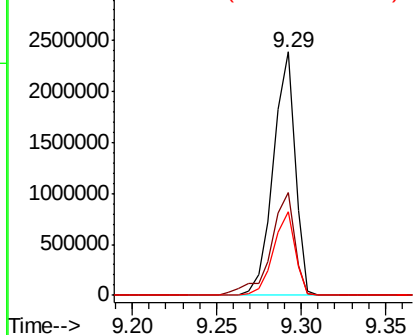
#47  
 2-Chloronaphthalene  
 Concen: 45.769 ng  
 RT: 9.29 min Scan# 1225  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

Tgt Ion: 162 Resp: 2140554  
 Ion Ratio Lower Upper  
 162 100  
 127 42.1 36.4 54.6  
 164 34.4 27.3 40.9

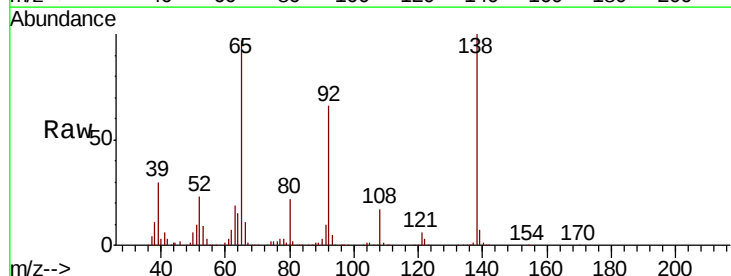


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

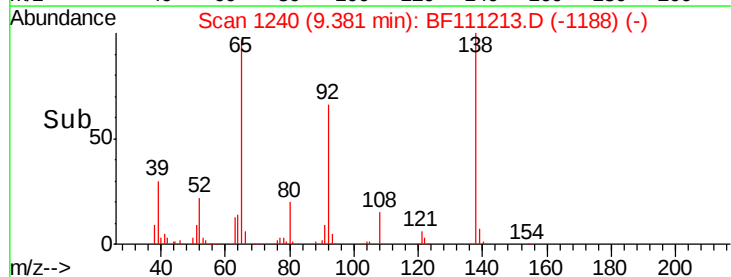
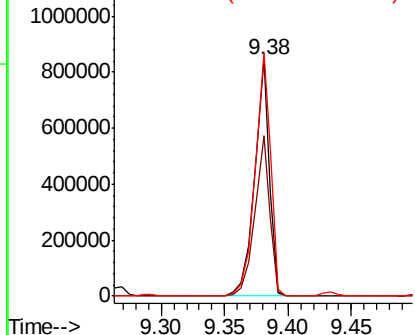


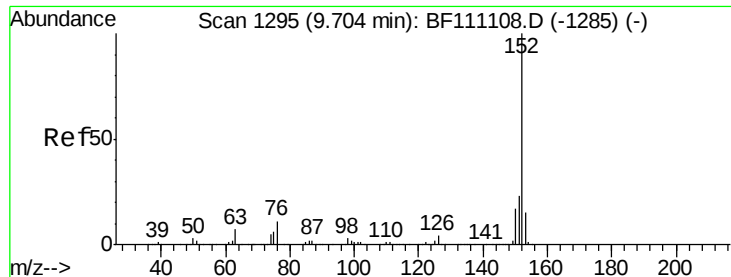
#48  
 2-Nitroaniline  
 Concen: 46.091 ng  
 RT: 9.38 min Scan# 1240  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion: 65 Resp: 698580  
 Ion Ratio Lower Upper  
 65 100  
 92 67.9 52.1 78.1  
 138 102.8 78.2 117.4



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 48.221 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

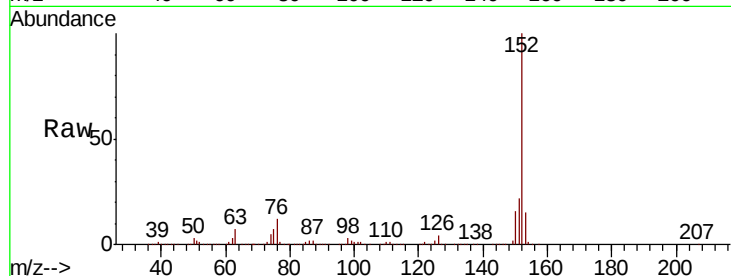
Tgt Ion:152 Resp: 3152385

Ion Ratio Lower Upper

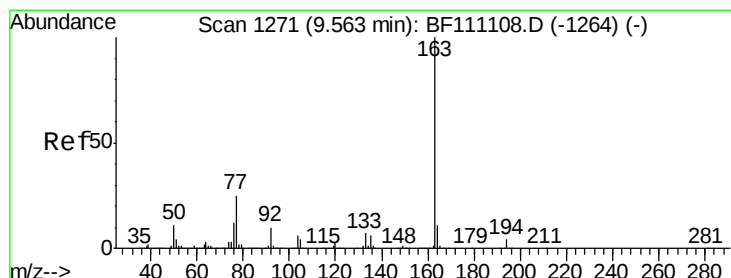
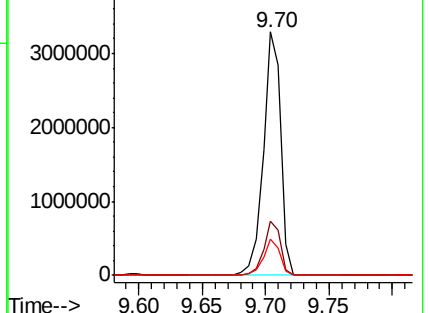
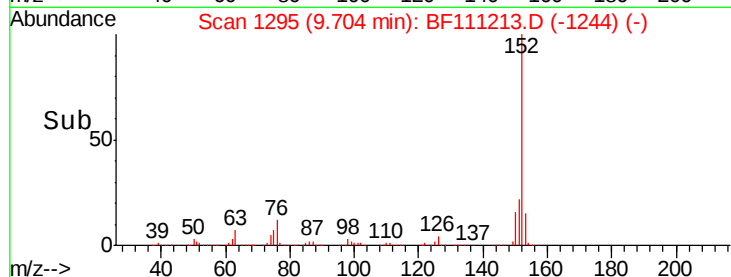
152 100

151 22.2 18.3 27.5

153 14.7 11.8 17.8



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



#50

Dimethylphthalate

Concen: 44.216 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

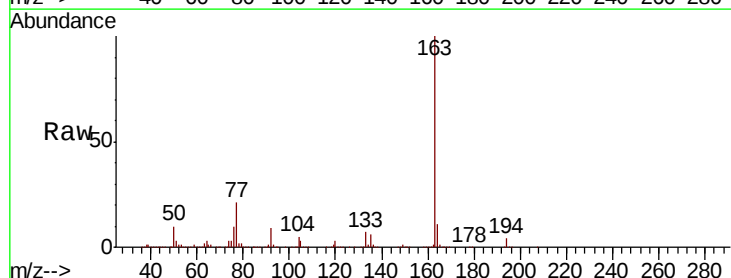
Tgt Ion:163 Resp: 2262446

Ion Ratio Lower Upper

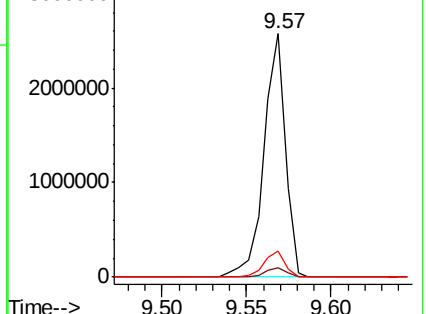
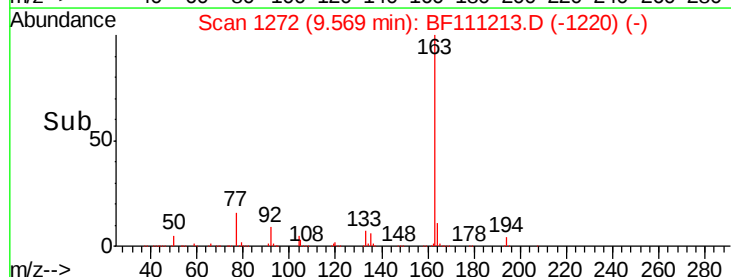
163 100

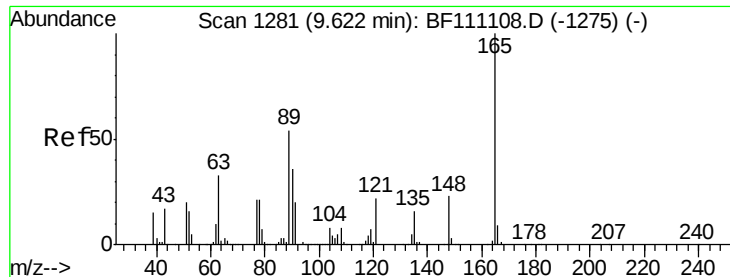
194 3.8 3.0 4.4

164 10.6 8.9 13.3



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





#51

2,6-Dinitrotoluene

Concen: 47.679 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

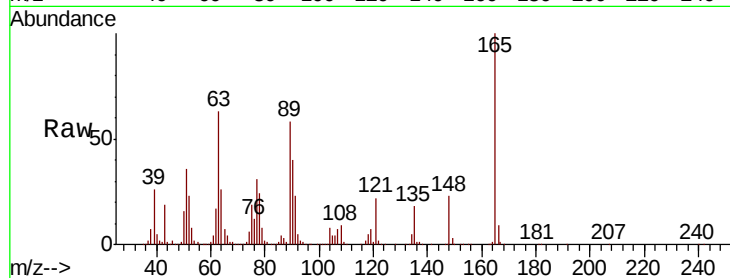
Tgt Ion:165 Resp: 517235

Ion Ratio Lower Upper

165 100

63 63.1 44.7 67.1

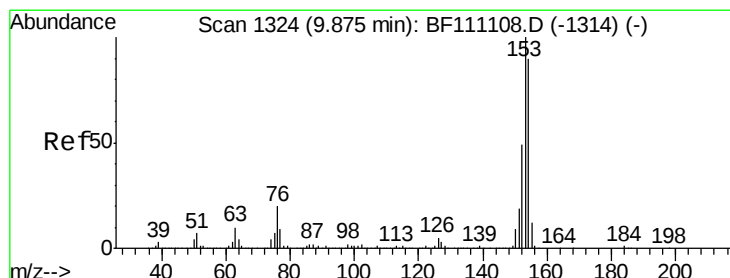
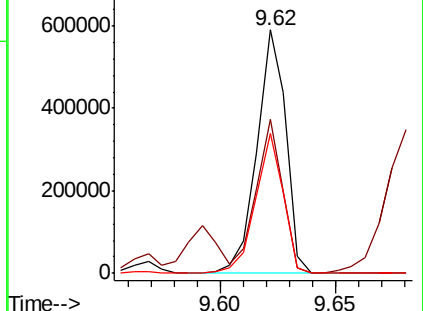
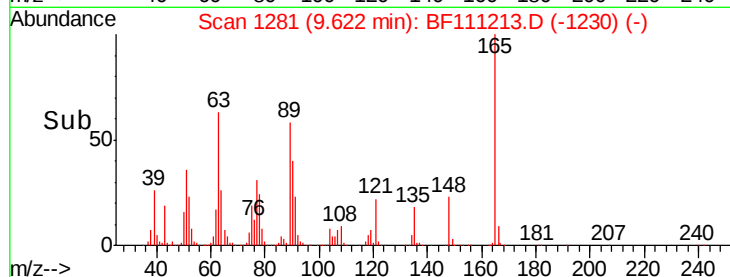
89 57.7 43.0 64.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 45.099 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

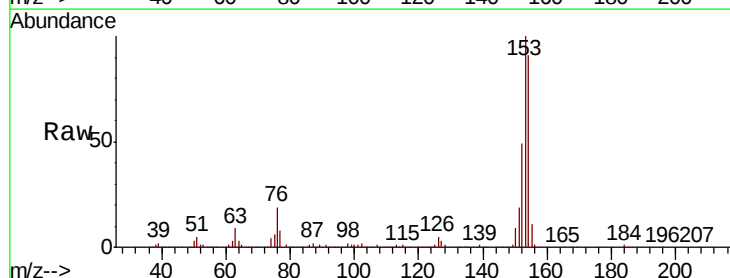
Tgt Ion:154 Resp: 1947758

Ion Ratio Lower Upper

154 100

153 109.3 88.7 133.1

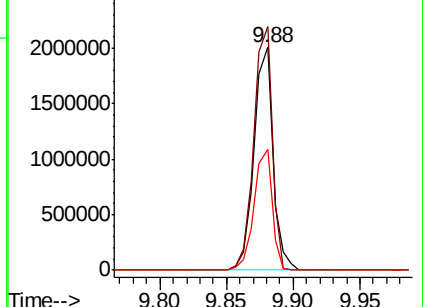
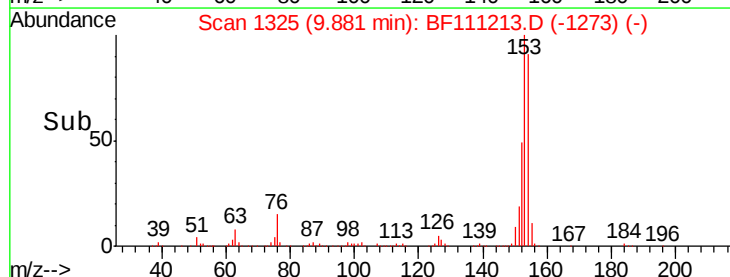
152 53.9 43.8 65.8

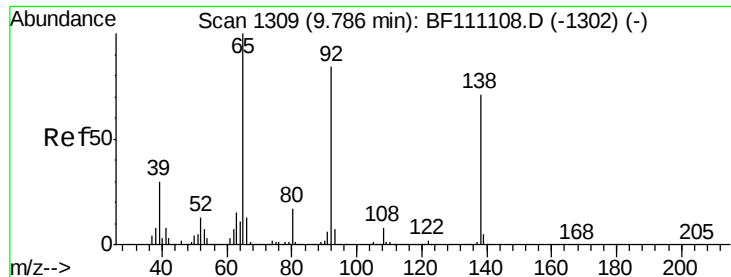


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

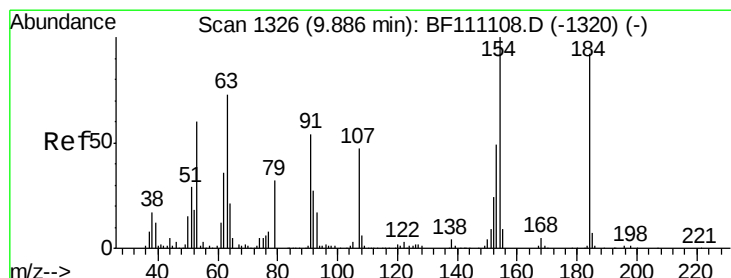
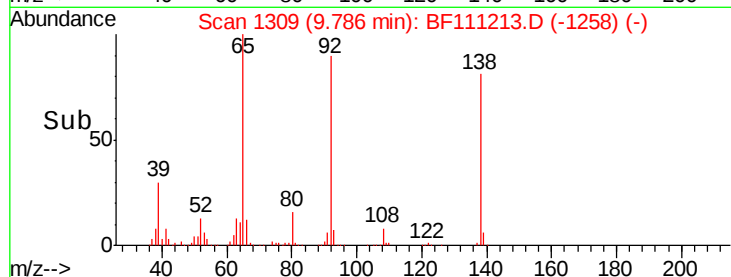
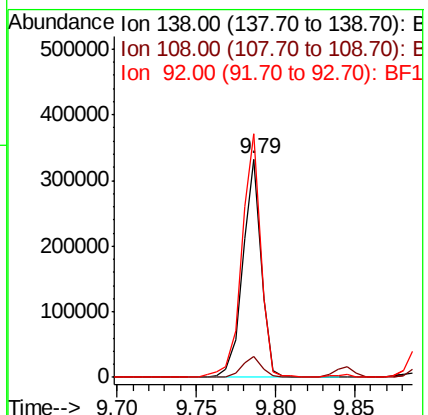
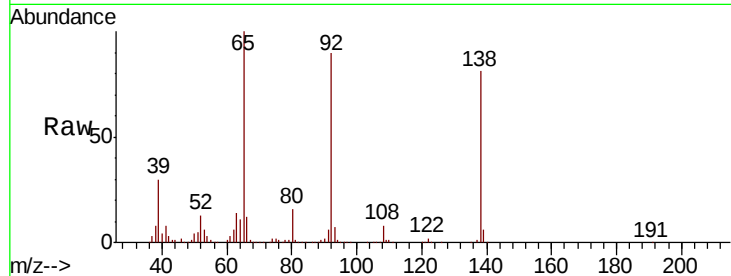




#53  
3-Nitroaniline  
Concen: 19.605 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. 0.00 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

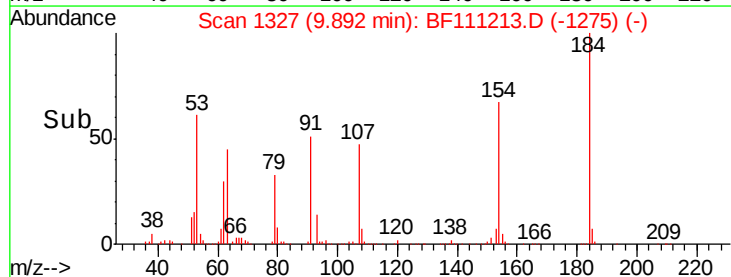
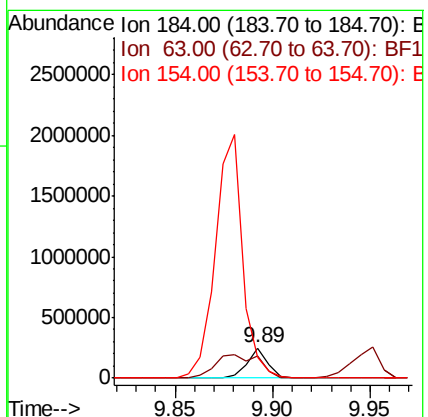
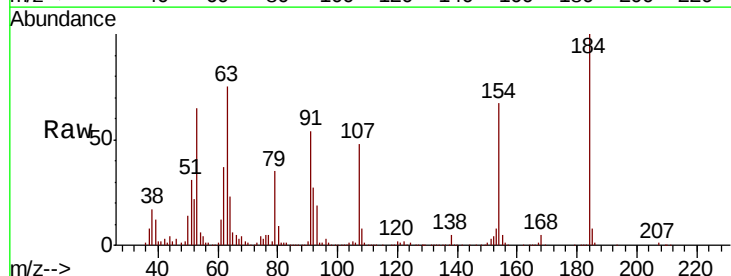
Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

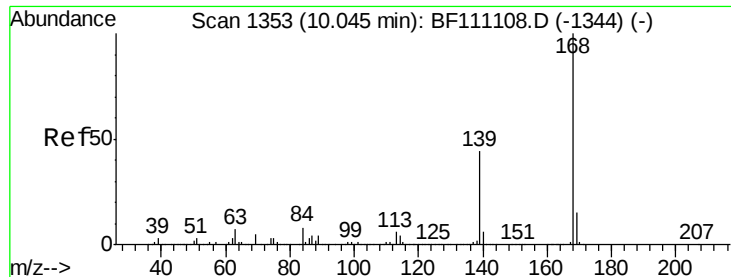
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.6   | 9.4   | 14.0  |
| 92      | 111.6 | 94.1  | 141.1 |



#54  
2,4-Dinitrophenol  
Concen: 55.793 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 74.7  | 64.2  | 96.4   |
| 154     | 66.9  | 89.5  | 134.3# |





#55

Dibenzofuran

Concen: 47.048 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

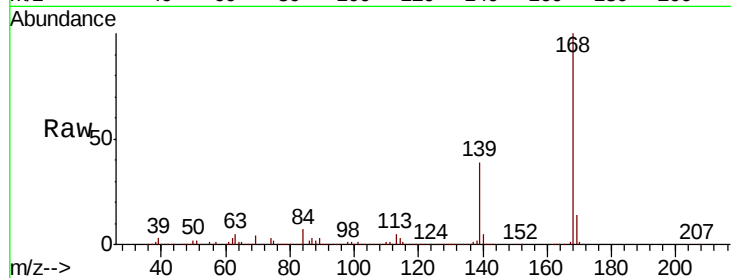
Tgt Ion:168 Resp: 2798706

Ion Ratio Lower Upper

168 100

139 39.5 35.1 52.7

169 14.2 12.2 18.4

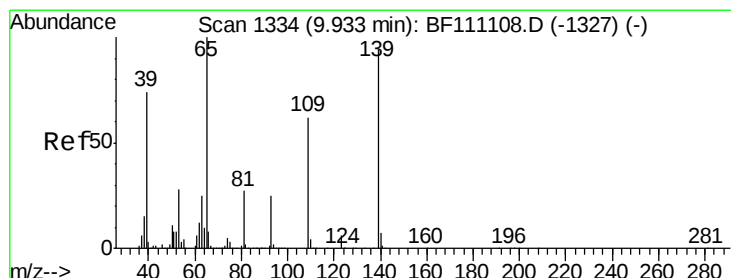
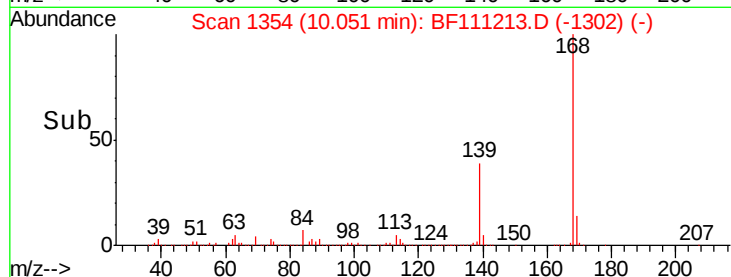
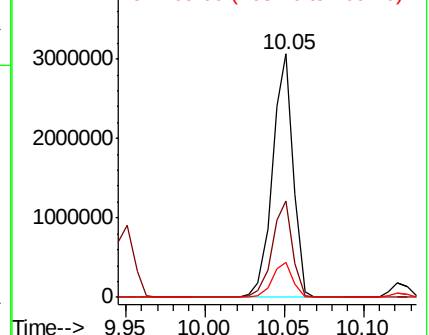


Abundance

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



#56

4-Nitrophenol

Concen: 87.304 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.02 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

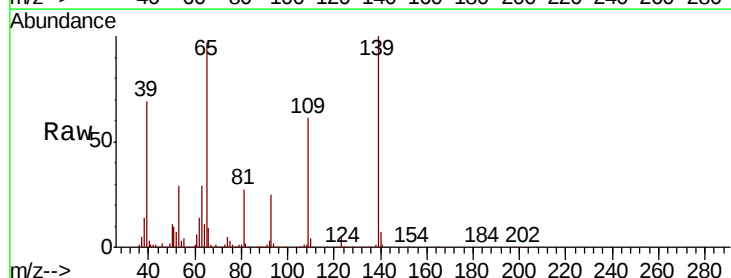
Tgt Ion:139 Resp: 896499

Ion Ratio Lower Upper

139 100

109 61.3 46.1 86.1

65 97.5 87.0 127.0

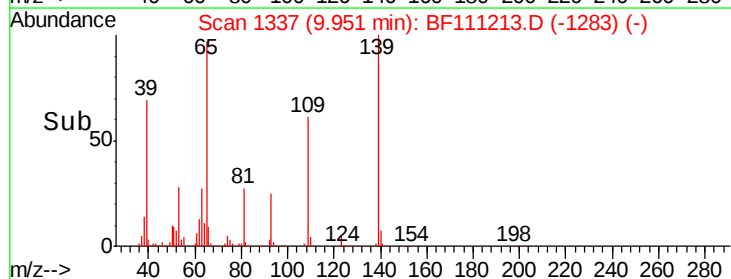
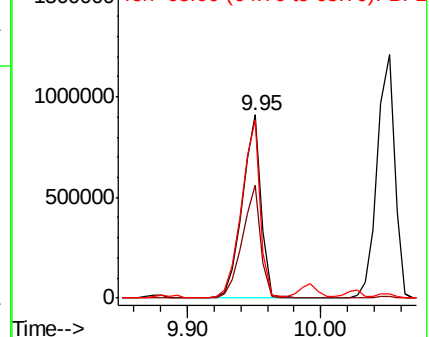


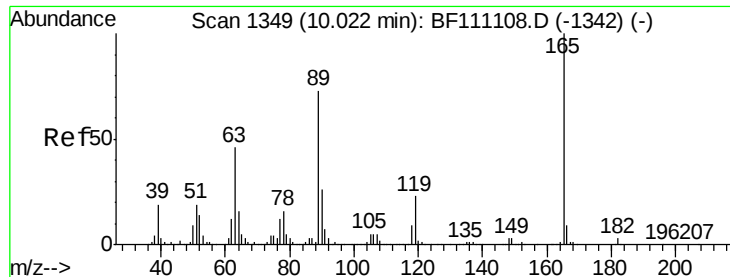
Abundance

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): BF1

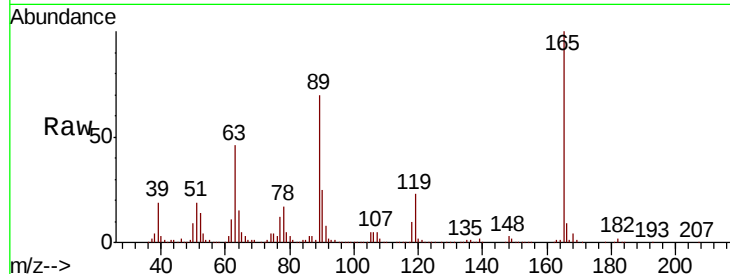




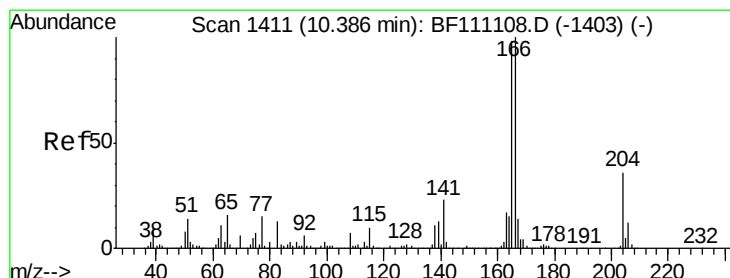
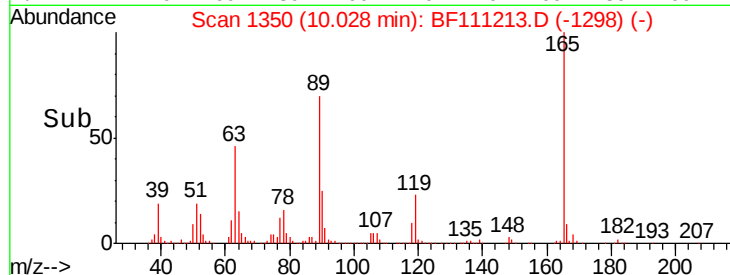
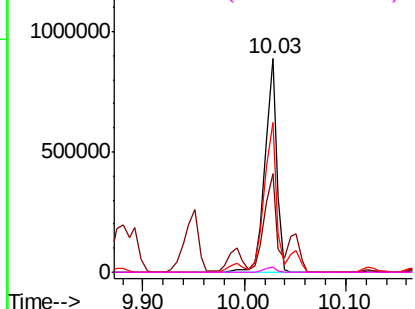
#57  
 2,4-Dinitrotoluene  
 Concen: 51.491 ng  
 RT: 10.03 min Scan# 1350  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

Tgt Ion:165 Resp: 721431  
 Ion Ratio Lower Upper  
 165 100  
 63 45.9 36.7 55.1  
 89 70.2 58.4 87.6  
 182 2.2 2.1 3.1

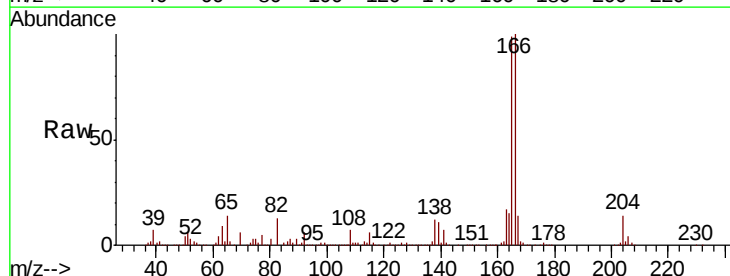


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

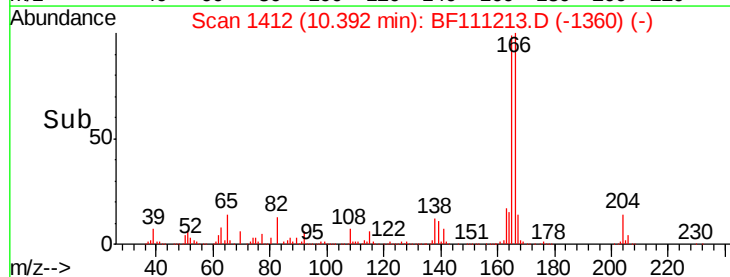
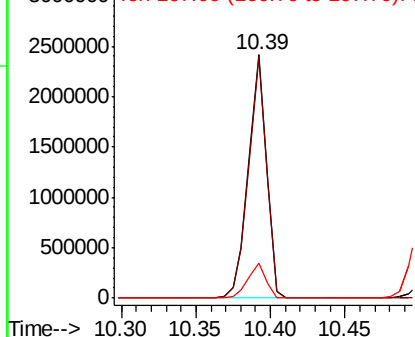


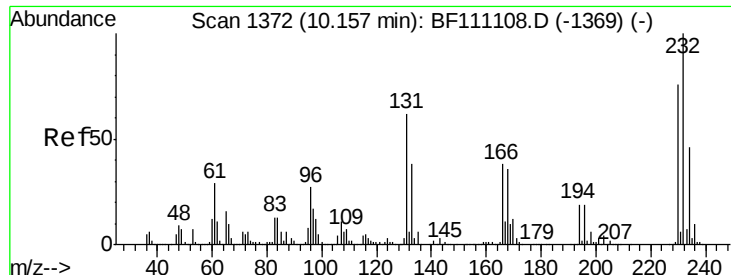
#58  
 Fluorene  
 Concen: 48.488 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion:166 Resp: 2033998  
 Ion Ratio Lower Upper  
 166 100  
 165 99.1 78.4 117.6  
 167 14.1 11.4 17.2



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

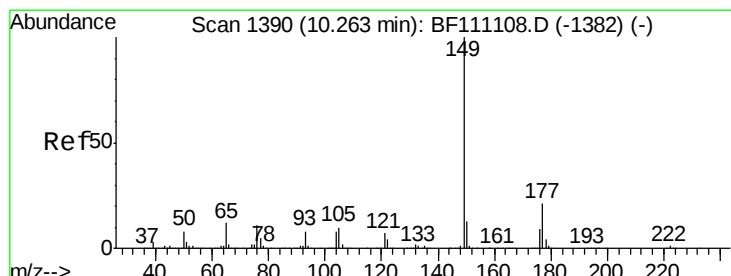
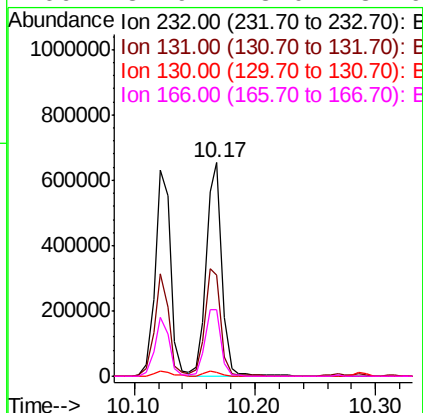
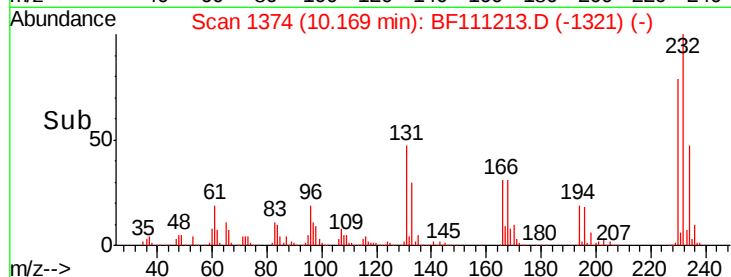
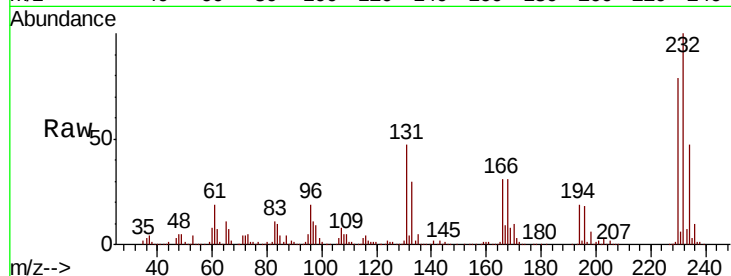




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 53.695 ng  
 RT: 10.17 min Scan# 1374  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

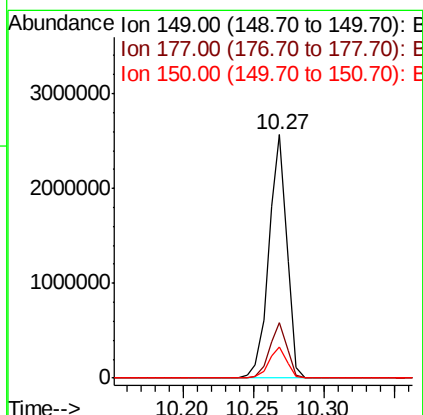
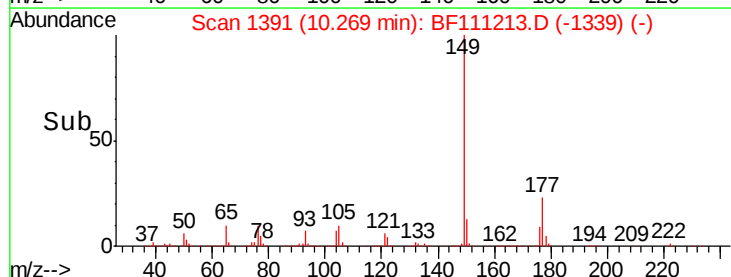
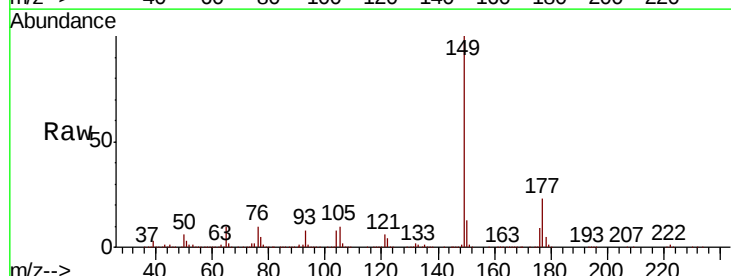
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

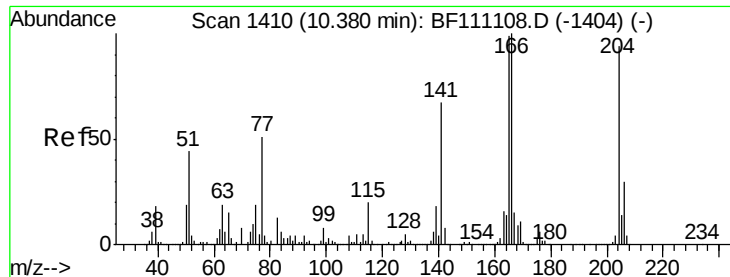
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 50.9  | 40.4  | 60.6  |
| 130     | 2.5   | 2.1   | 3.1   |
| 166     | 32.9  | 23.0  | 34.6  |



#60  
 Diethylphthalate  
 Concen: 45.106 ng  
 RT: 10.27 min Scan# 1391  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.8  | 17.0  | 25.6  |
| 150     | 13.0  | 10.5  | 15.7  |

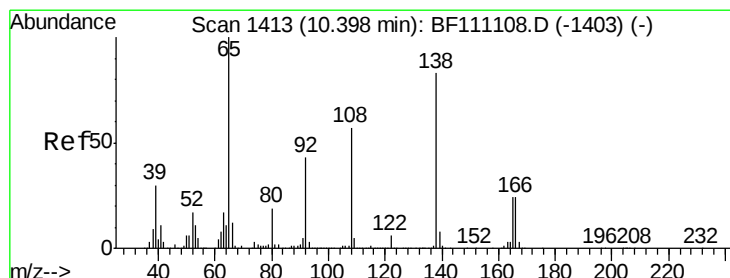
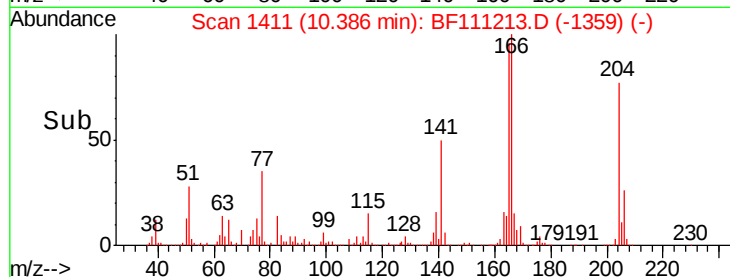
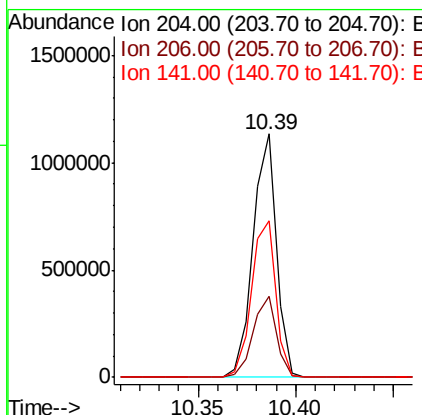
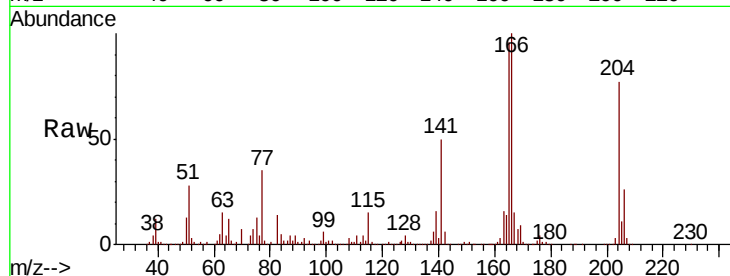




#61  
 4-Chlorophenyl-phenylether  
 Concen: 45.610 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

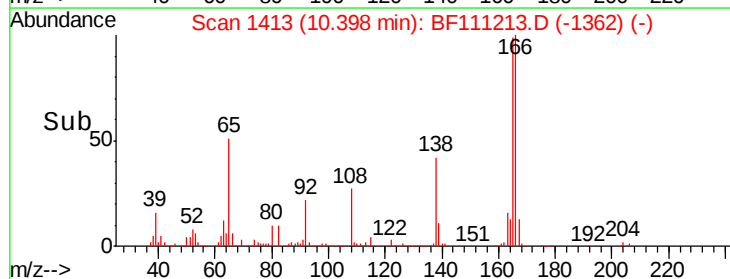
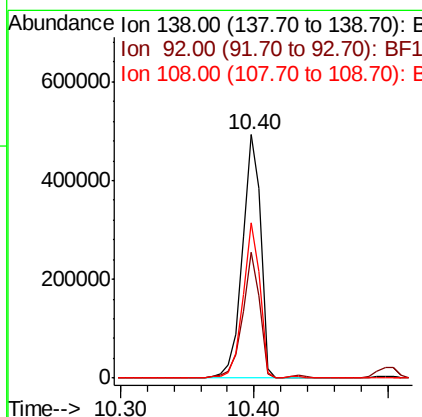
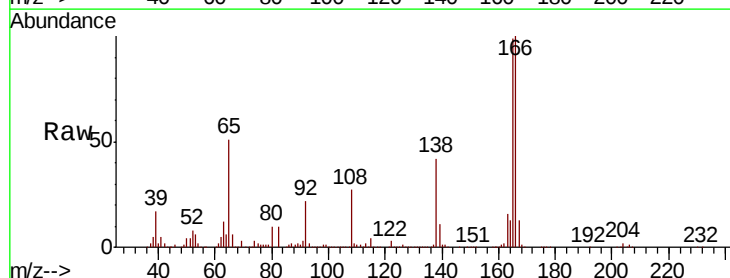
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

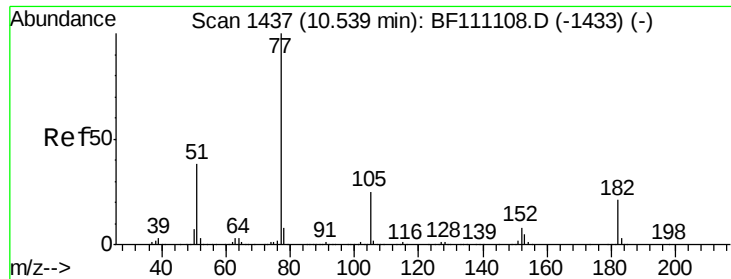
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 204   | Resp: | 942879 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 33.2  | 25.9  | 38.9   |
| 141      | 64.4  | 57.4  | 86.0   |



#62  
 4-Nitroaniline  
 Concen: 37.985 ng  
 RT: 10.40 min Scan# 1413  
 Delta R.T. 0.00 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 467170 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 51.5  | 31.6  | 71.6   |
| 108      | 63.9  | 48.3  | 88.3   |

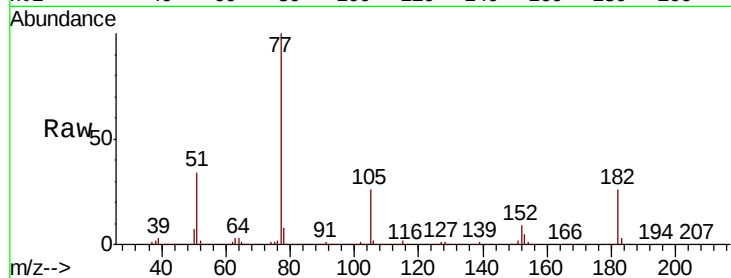




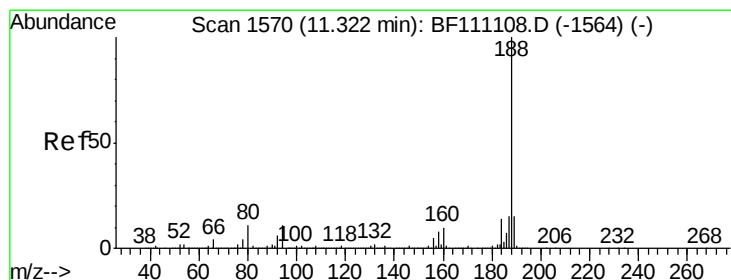
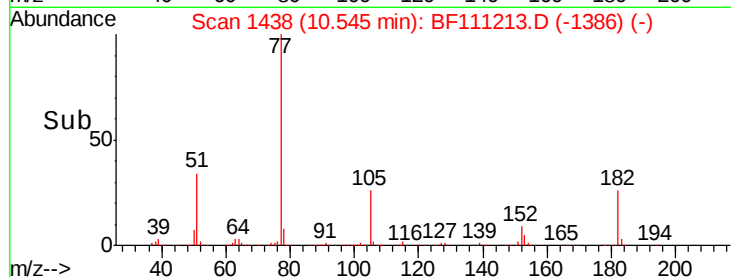
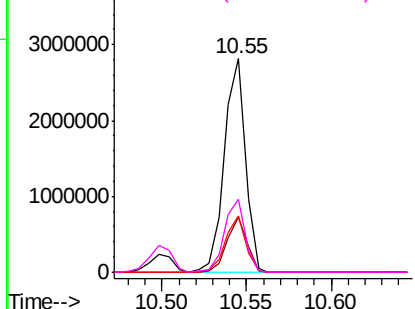
#63  
Azobenzene  
Concen: 44.811 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion: 77 Resp: 2439513  
Ion Ratio Lower Upper  
77 100  
182 25.9 1.4 41.4  
105 26.1 4.7 44.7  
51 34.2 18.0 58.0

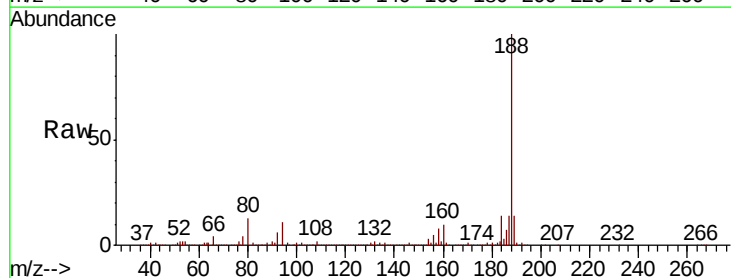


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

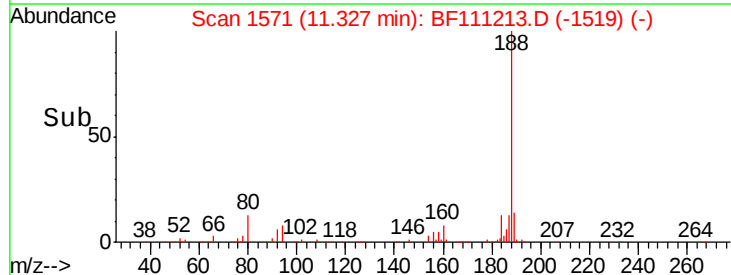
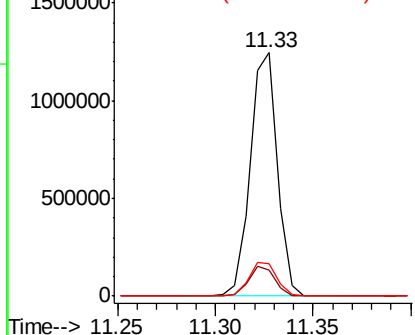


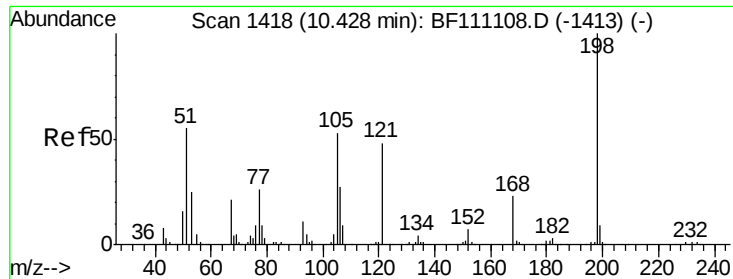
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion: 188 Resp: 1194424  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.5 12.7  
80 13.5 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

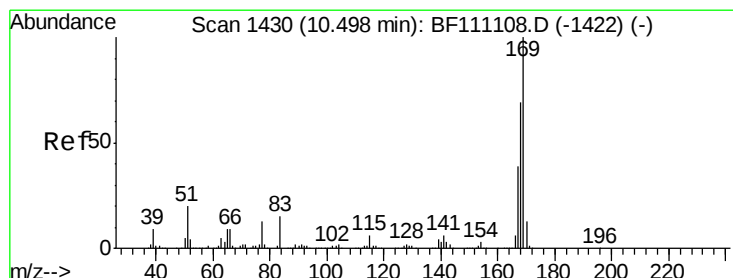
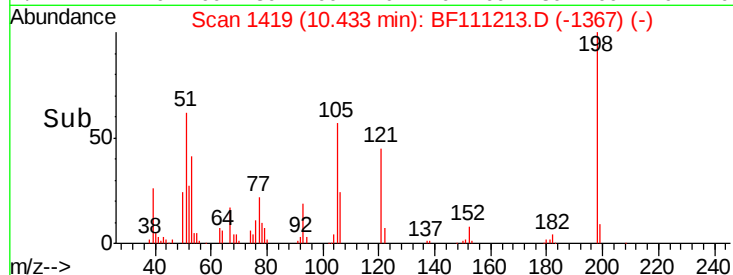
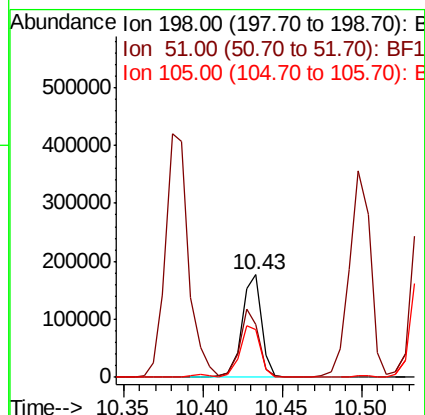
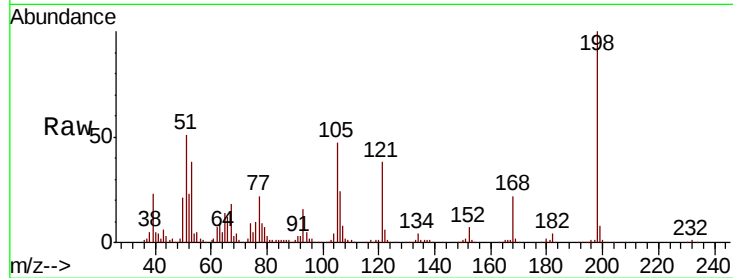




#65  
4,6-Dinitro-2-methylphenol  
Concen: 30.549 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

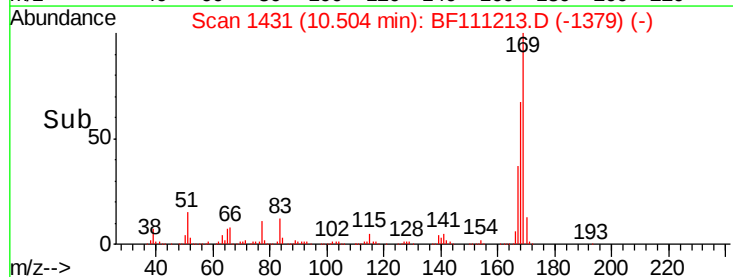
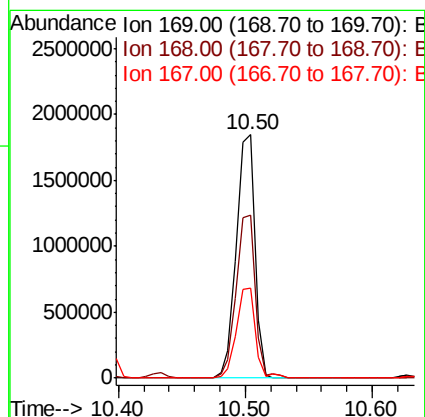
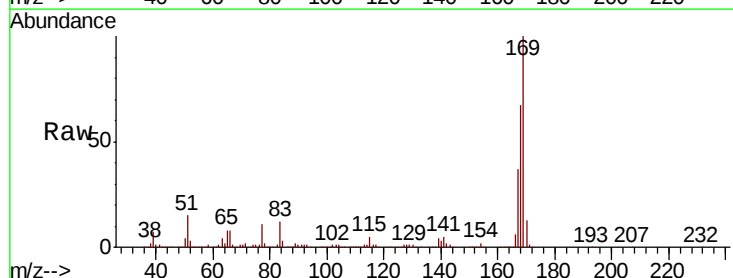
Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

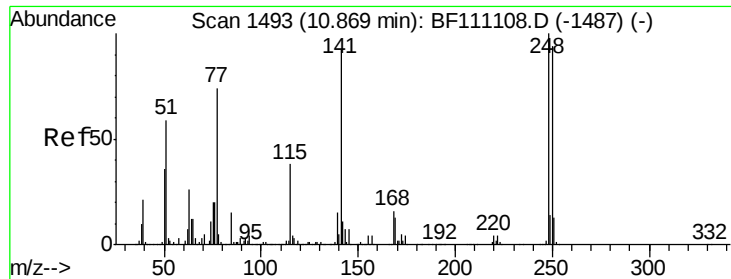
Tgt Ion:198 Resp: 150747  
Ion Ratio Lower Upper  
198 100  
51 51.4 48.8 88.8  
105 47.1 35.2 75.2



#66  
n-Nitrosodiphenylamine  
Concen: 44.349 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:169 Resp: 1854830  
Ion Ratio Lower Upper  
169 100  
168 67.0 55.4 83.2  
167 36.8 31.1 46.7

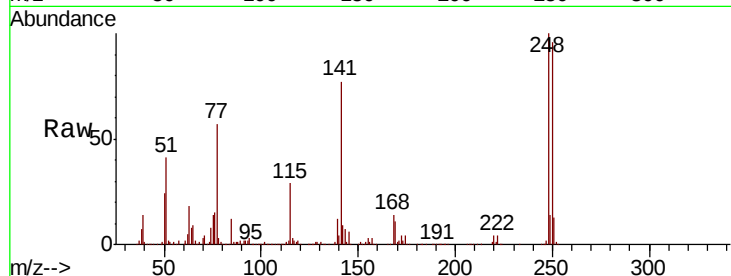




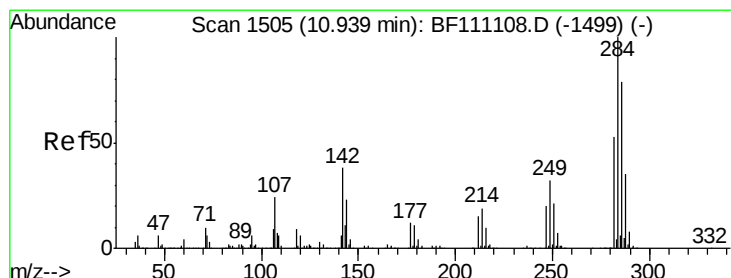
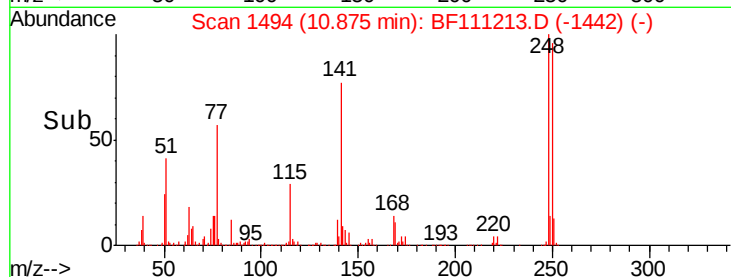
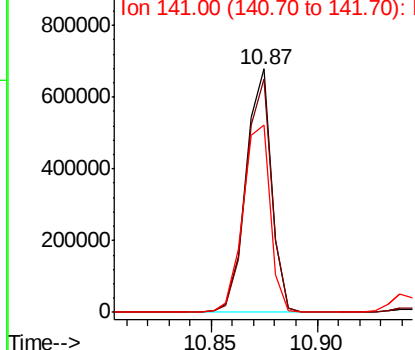
#67  
4-Bromophenyl-phenylether  
Concen: 45.100 ng  
RT: 10.87 min Scan# 1494  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:248 Resp: 570225  
Ion Ratio Lower Upper  
248 100  
250 95.9 75.4 113.0  
141 77.1 73.8 110.6

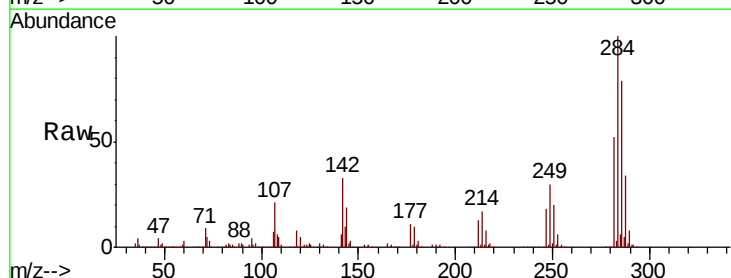


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

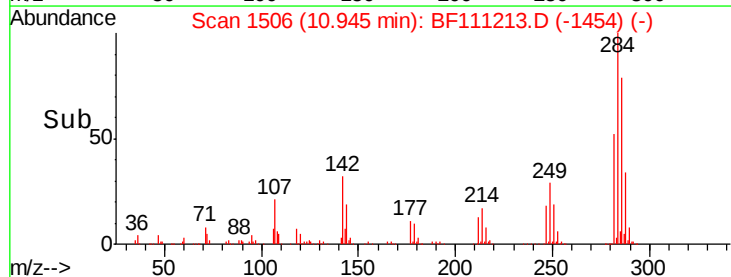
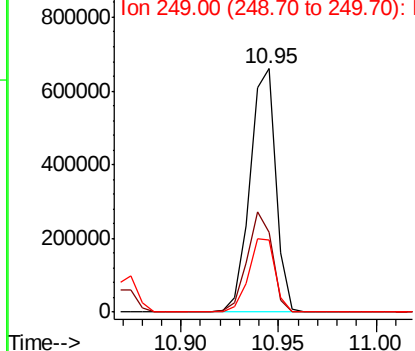


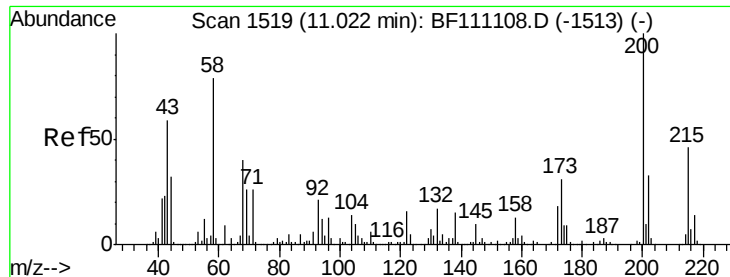
#68  
Hexachlorobenzene  
Concen: 46.927 ng  
RT: 10.95 min Scan# 1506  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:284 Resp: 606695  
Ion Ratio Lower Upper  
284 100  
142 32.6 30.2 45.2  
249 29.5 25.3 37.9



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





#69

Atrazine

Concen: Below Cal

RT: 11.03 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

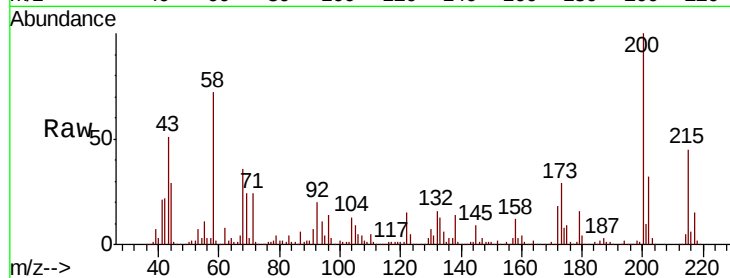
Tgt Ion:200 Resp: 585230

Ion Ratio Lower Upper

200 100

173 29.2 11.3 51.3

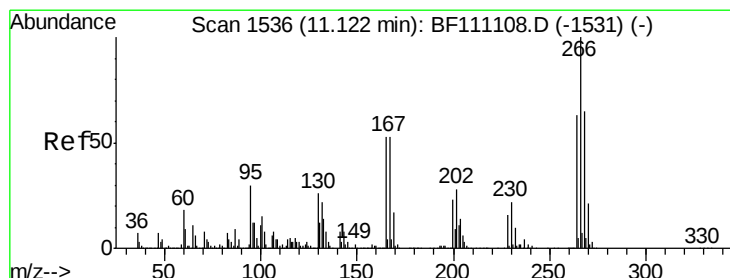
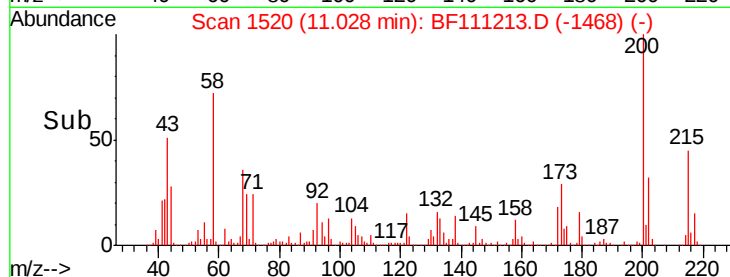
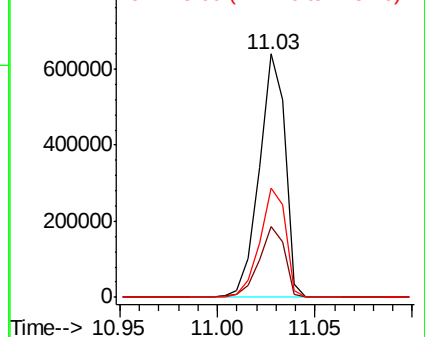
215 44.8 25.9 65.9



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



#70

Pentachlorophenol

Concen: 75.716 ng

RT: 11.13 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

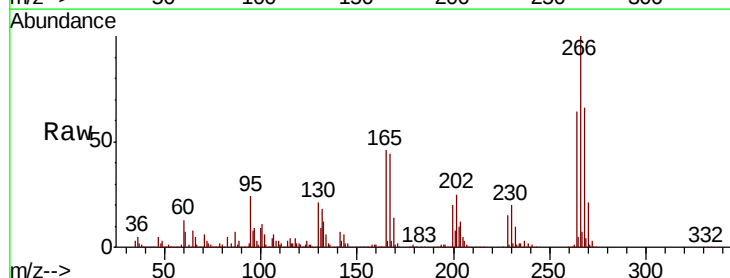
Tgt Ion:266 Resp: 643736

Ion Ratio Lower Upper

266 100

268 66.4 52.2 78.4

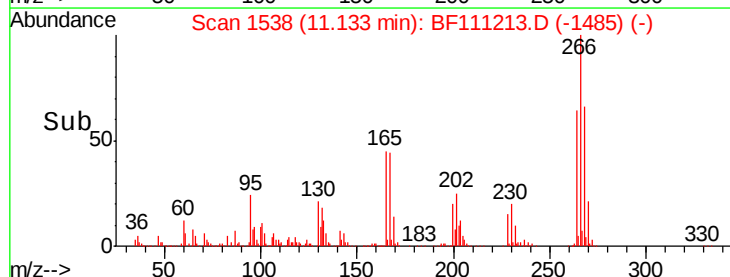
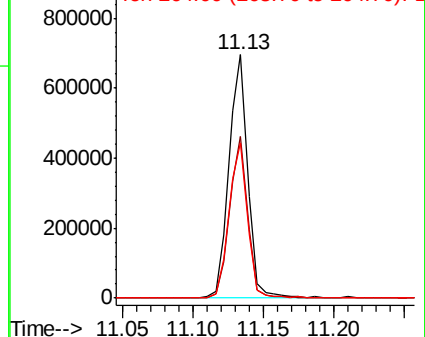
264 63.8 50.8 76.2

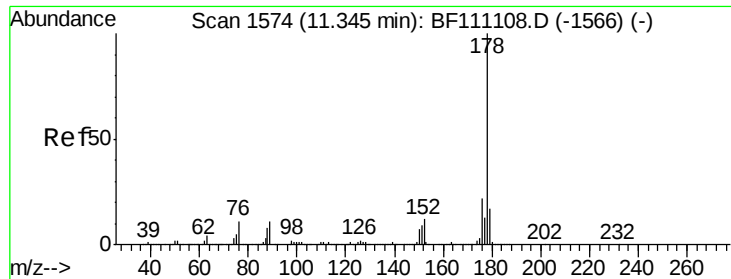


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 46.760 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

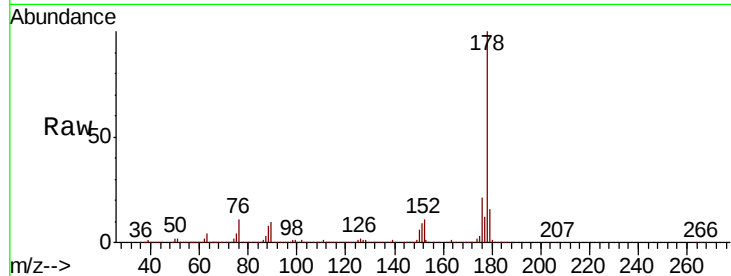
Tgt Ion:178 Resp: 2686551

Ion Ratio Lower Upper

178 100

176 21.5 17.7 26.5

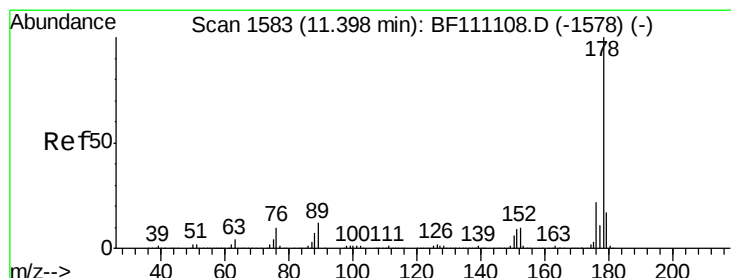
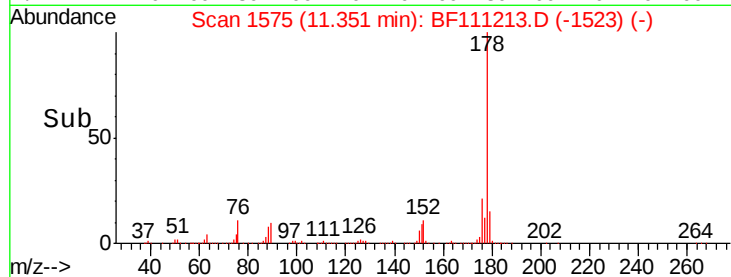
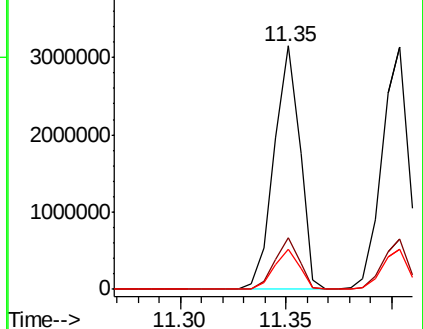
179 16.5 14.0 21.0



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

Anthracene

Concen: 47.756 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

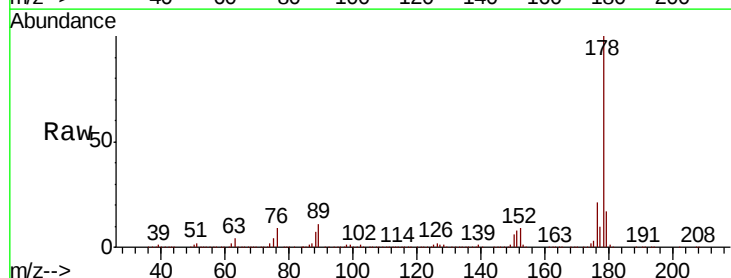
Tgt Ion:178 Resp: 2765713

Ion Ratio Lower Upper

178 100

176 20.9 17.3 25.9

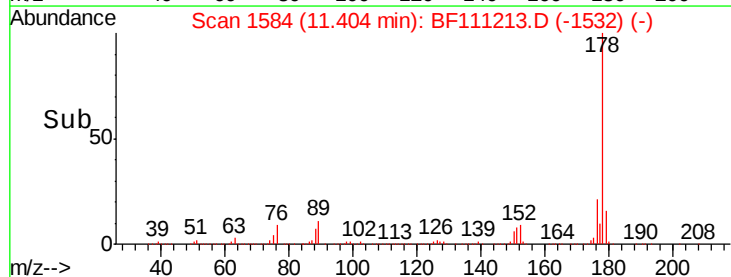
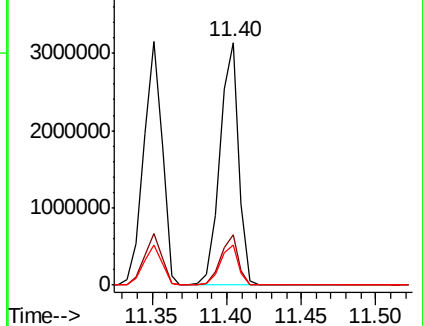
179 16.5 13.8 20.8

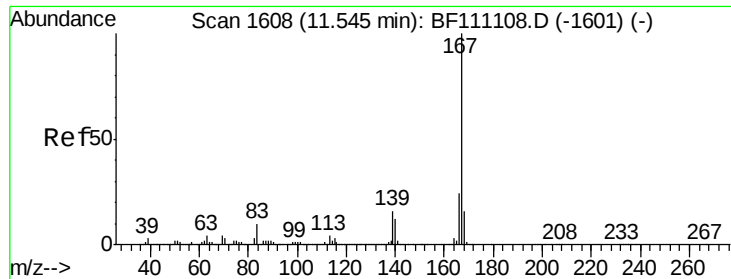


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

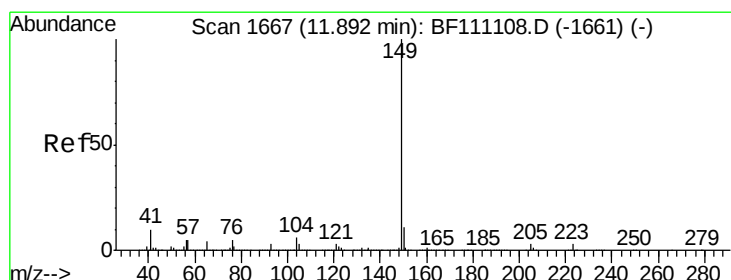
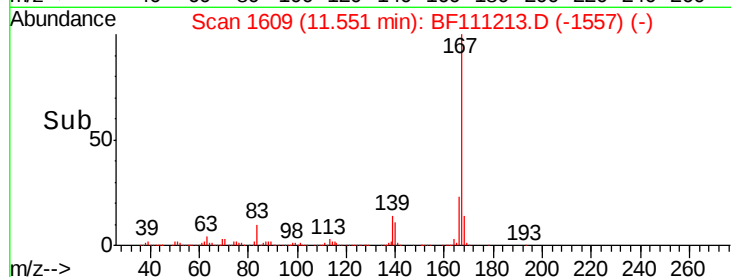
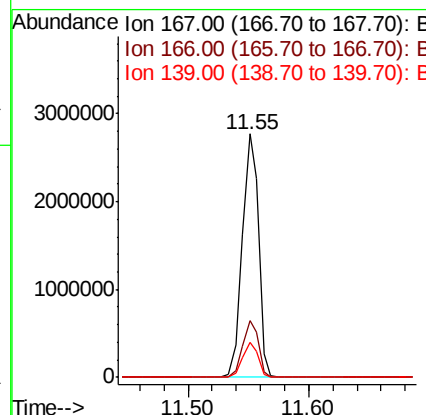
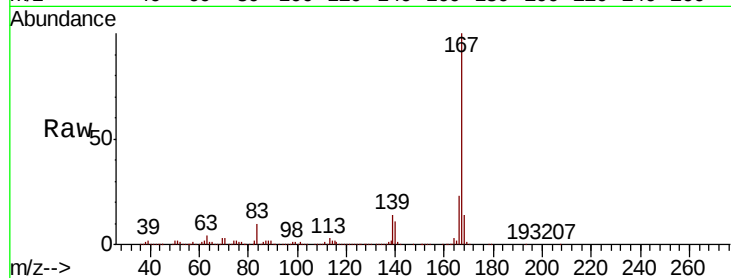




#73  
 Carbazole  
 Concen: 43.197 ng  
 RT: 11.55 min Scan# 1609  
 Delta R.T. 0.01 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

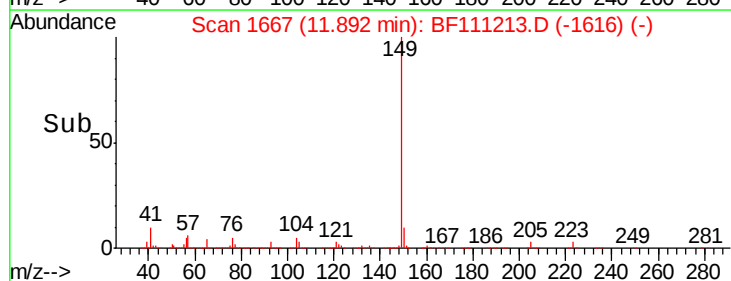
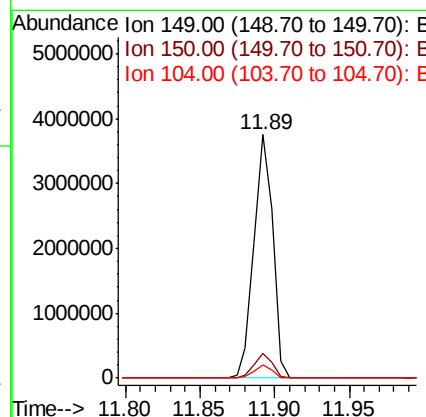
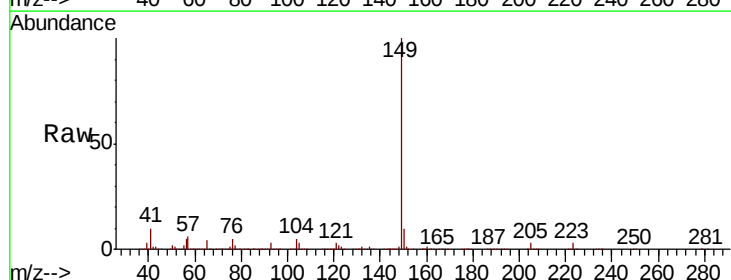
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115402BS

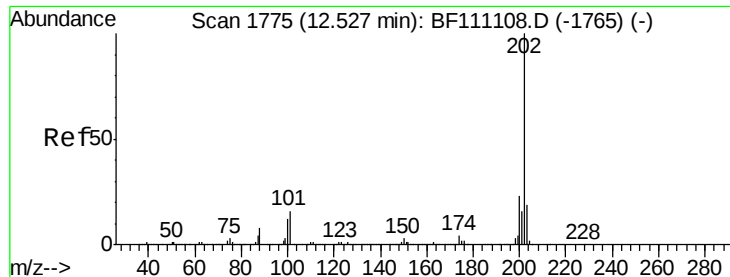
Tgt Ion:167 Resp: 2603058  
 Ion Ratio Lower Upper  
 167 100  
 166 23.2 19.4 29.0  
 139 14.3 12.6 18.8



#74  
 Di-n-butylphthalate  
 Concen: 46.181 ng  
 RT: 11.89 min Scan# 1667  
 Delta R.T. 0.00 min  
 Lab File: BF111213.D  
 Acq: 8 Dec 2018 3:51

Tgt Ion:149 Resp: 3257640  
 Ion Ratio Lower Upper  
 149 100  
 150 10.3 8.6 12.8  
 104 5.3 4.5 6.7





#75

Fluoranthene

Concen: 38.129 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

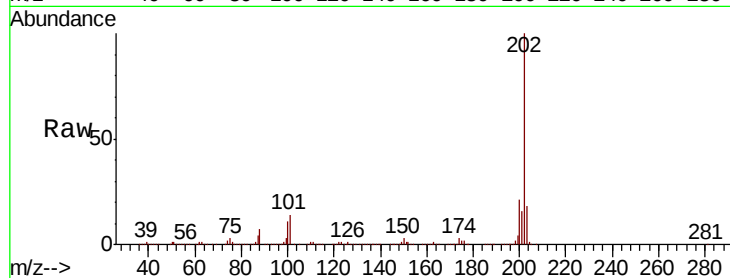
Tgt Ion:202 Resp: 2143617

Ion Ratio Lower Upper

202 100

101 14.4 0.0 35.8

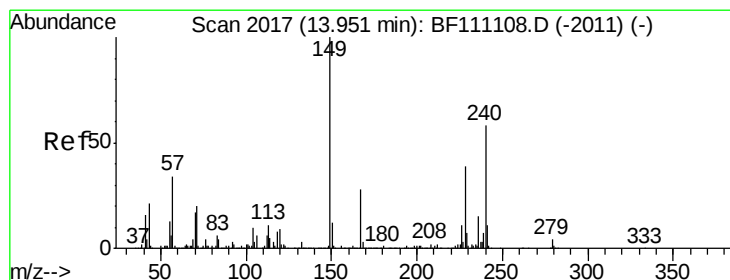
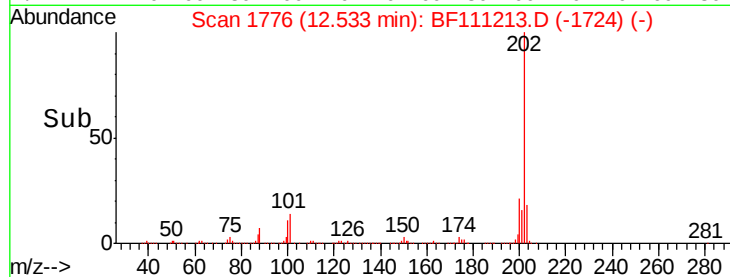
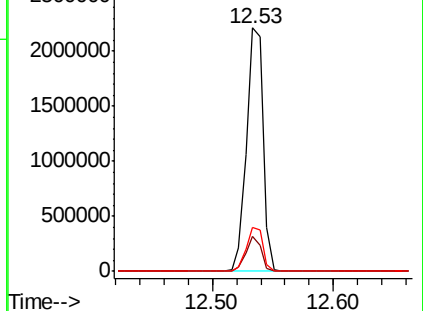
203 18.1 0.0 38.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

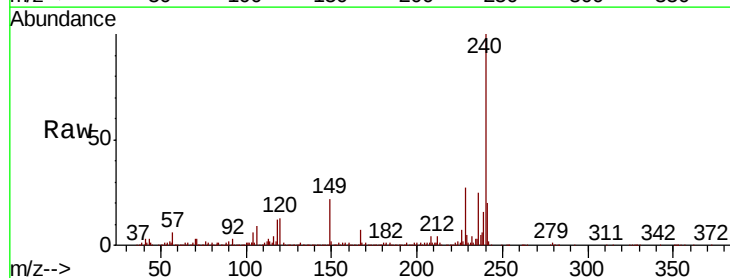
Tgt Ion:240 Resp: 668198

Ion Ratio Lower Upper

240 100

120 12.8 12.8 19.2

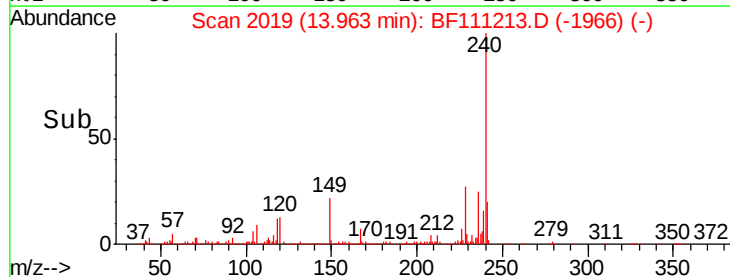
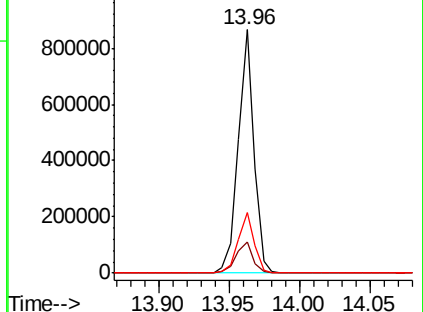
236 24.8 21.1 31.7

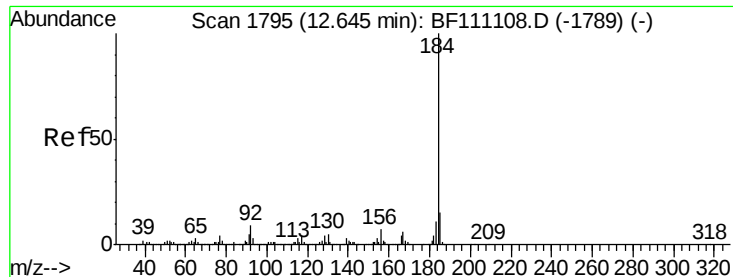


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

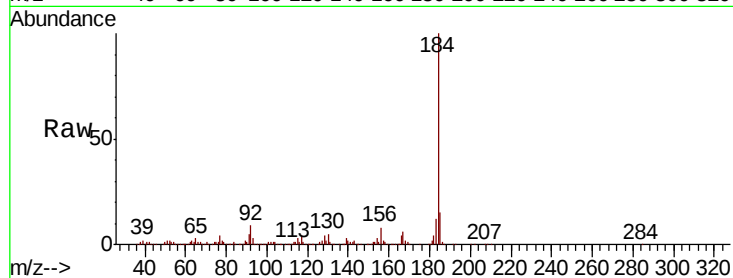
Tgt Ion:184 Resp: 978797

Ion Ratio Lower Upper

184 100

185 14.7 12.0 18.0

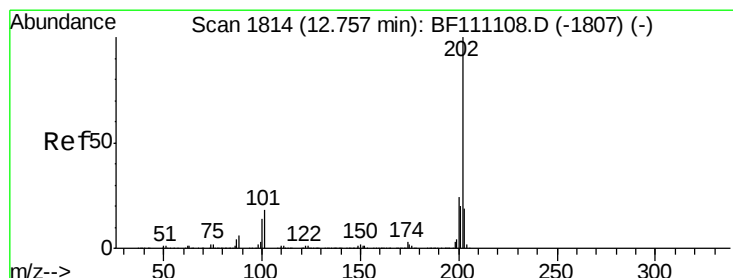
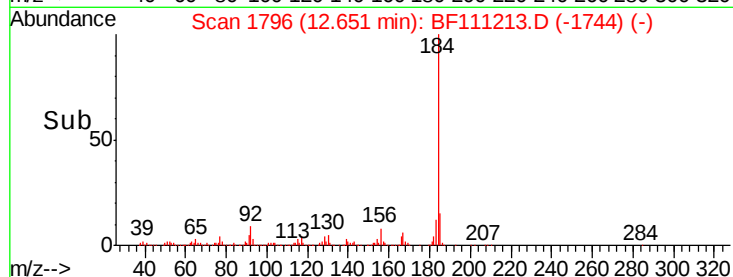
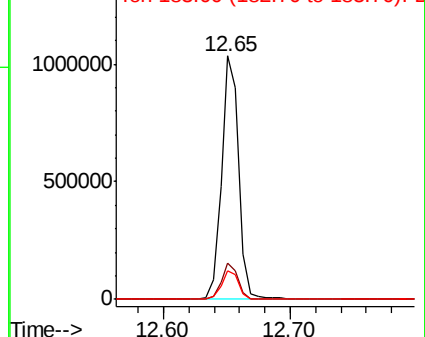
183 12.0 8.9 13.3



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



#78

Pyrene

Concen: 41.381 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

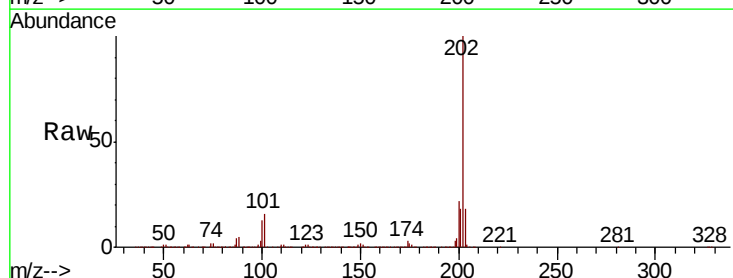
Tgt Ion:202 Resp: 2154211

Ion Ratio Lower Upper

202 100

200 21.9 19.3 28.9

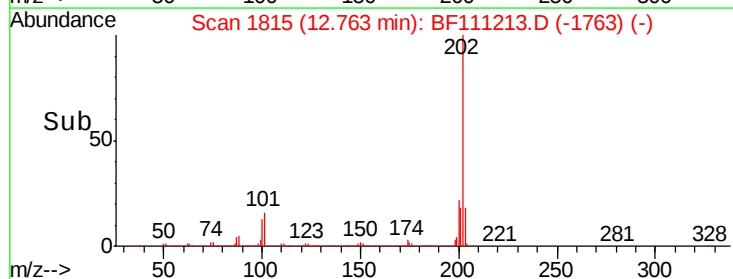
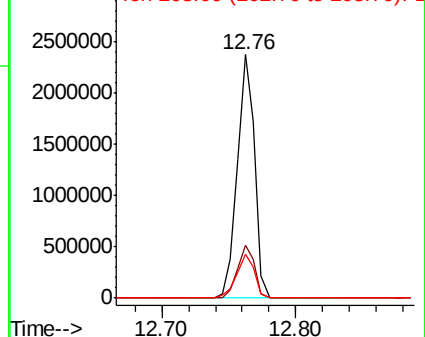
203 18.0 15.4 23.2

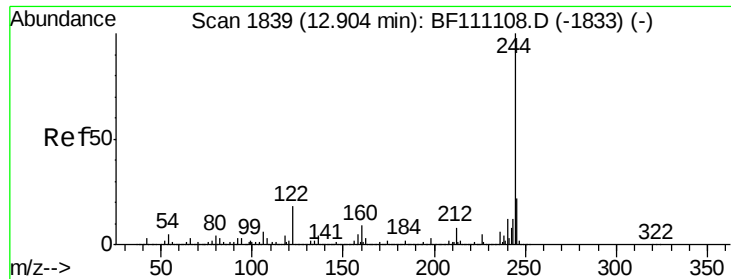


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.409 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

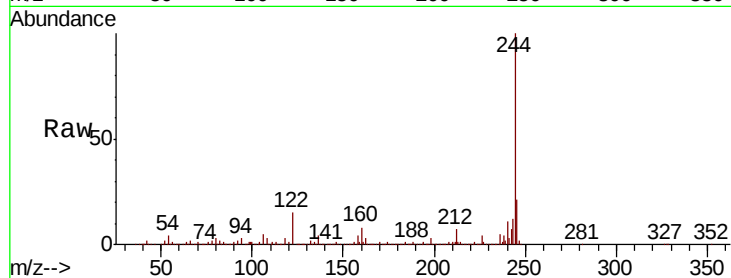
Tgt Ion:244 Resp: 2590867

Ion Ratio Lower Upper

244 100

212 7.4 6.6 9.8

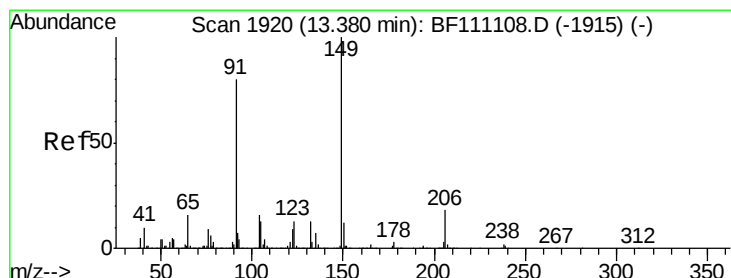
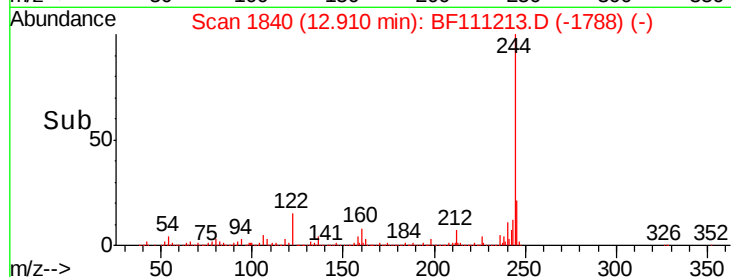
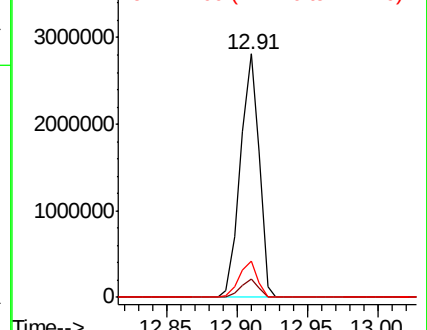
122 14.7 14.2 21.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.439 ng

RT: 13.39 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

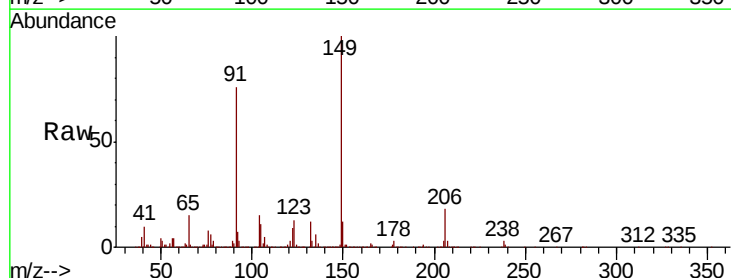
Tgt Ion:149 Resp: 1092415

Ion Ratio Lower Upper

149 100

91 76.3 64.0 96.0

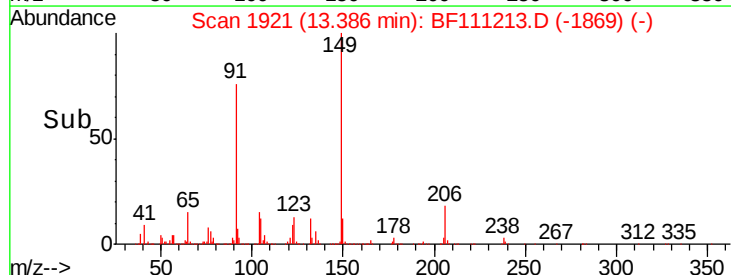
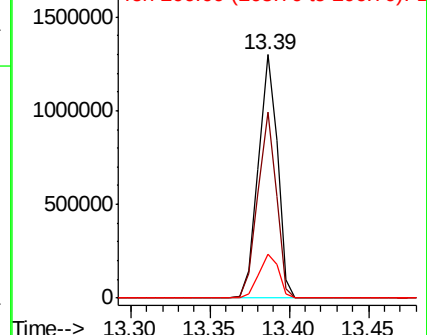
206 18.1 14.1 21.1

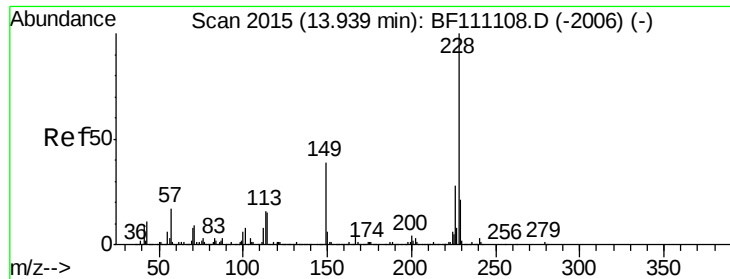


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

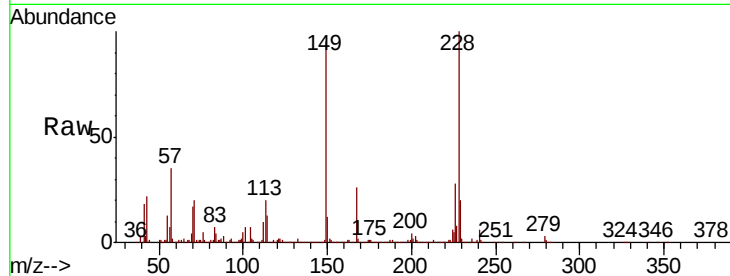




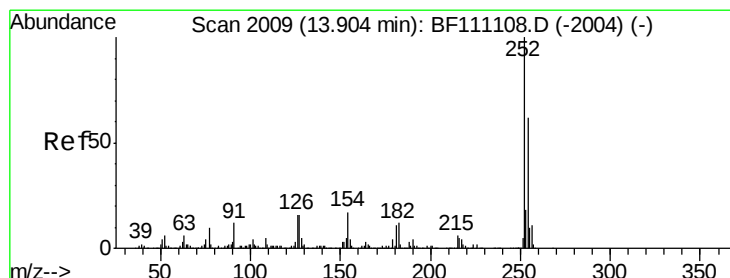
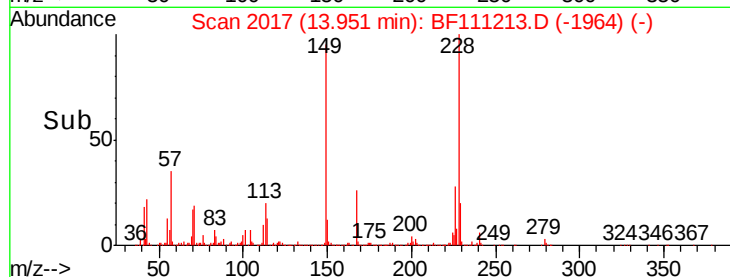
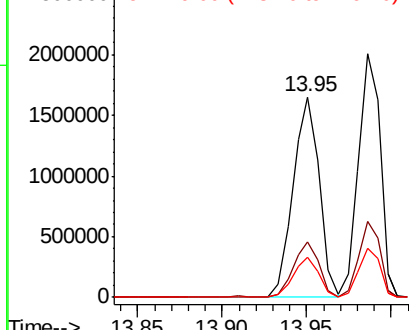
#81  
Benzo(a)anthracene  
Concen: 45.454 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion: 228 Resp: 1779518  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.6 34.0  
229 19.7 16.7 25.1

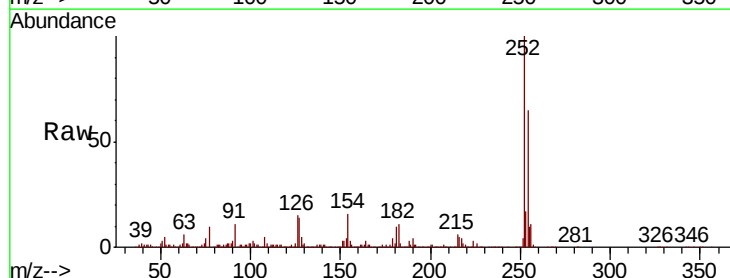


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

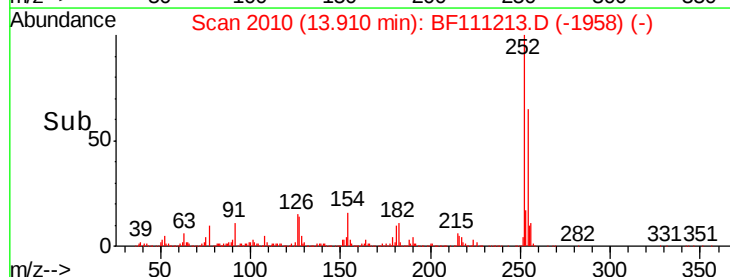
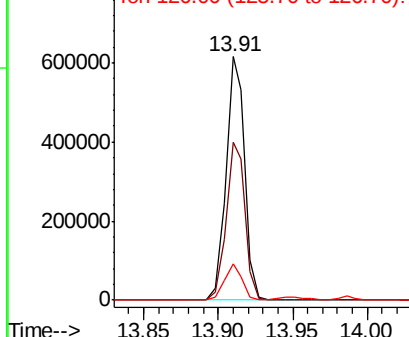


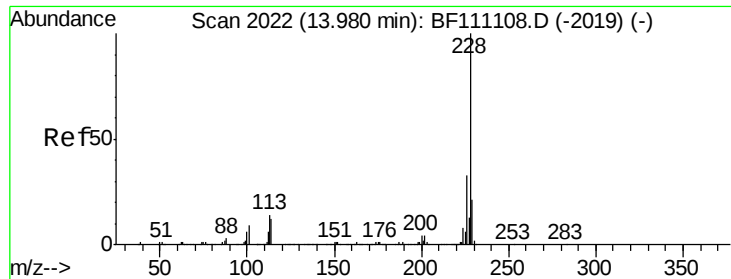
#82  
3,3'-Dichlorobenzidine  
Concen: 36.966 ng  
RT: 13.91 min Scan# 2010  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion: 252 Resp: 546147  
Ion Ratio Lower Upper  
252 100  
254 65.0 49.8 74.8  
126 14.8 12.9 19.3



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 46.091 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

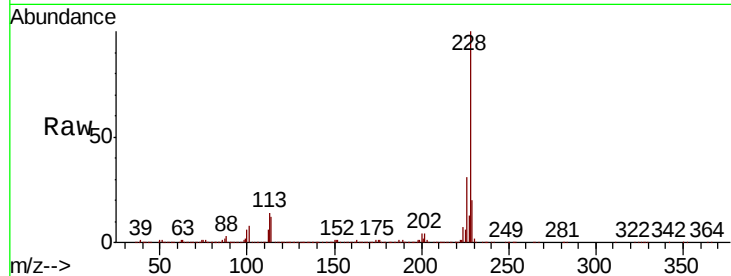
Tgt Ion:228 Resp: 1791337

Ion Ratio Lower Upper

228 100

226 31.2 26.2 39.2

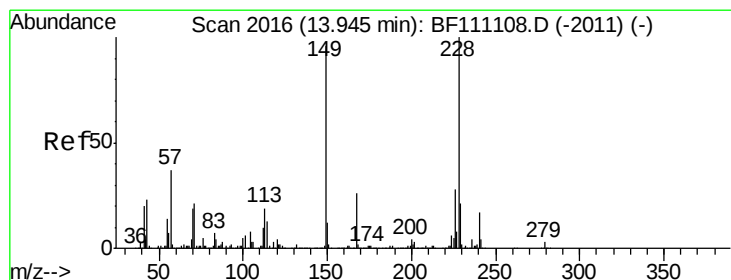
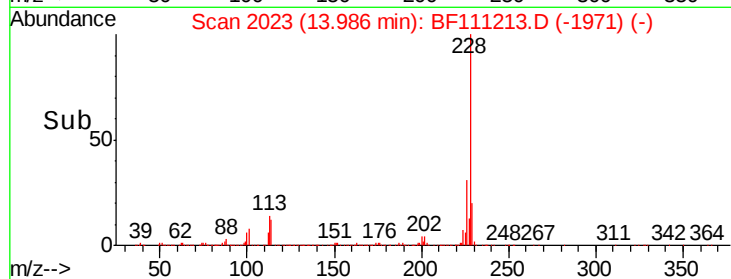
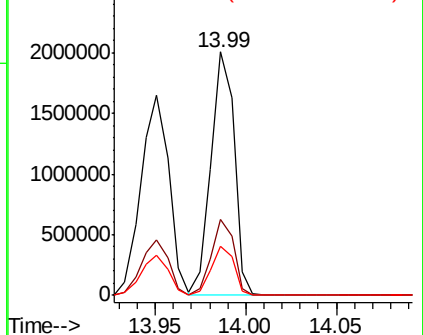
229 20.4 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.574 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

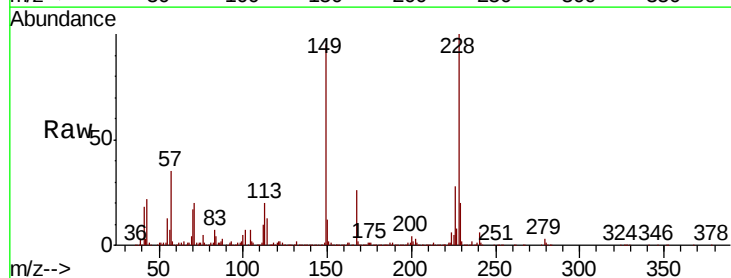
Tgt Ion:149 Resp: 1353971

Ion Ratio Lower Upper

149 100

167 27.2 21.6 32.4

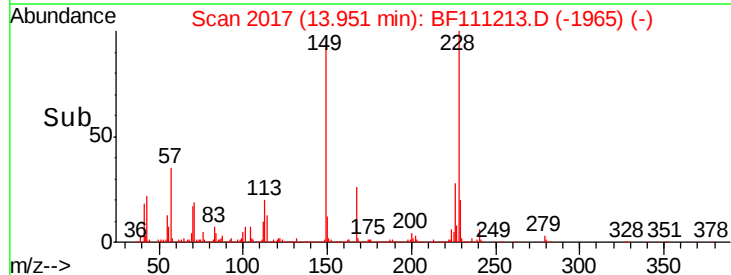
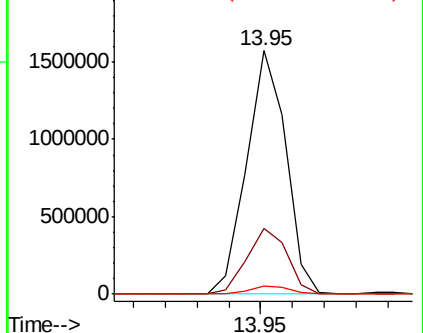
279 3.2 2.3 3.5

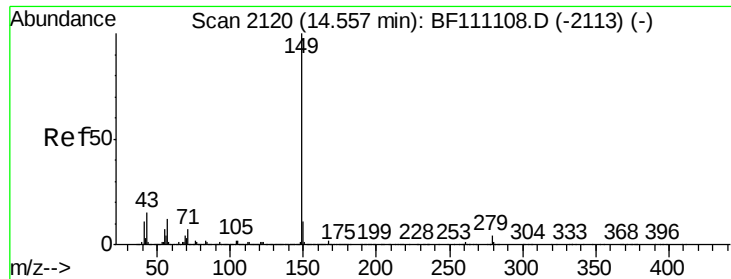


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

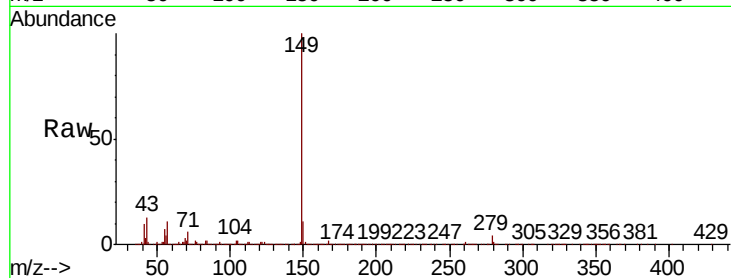




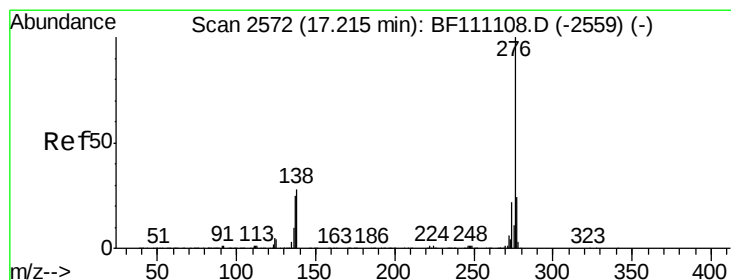
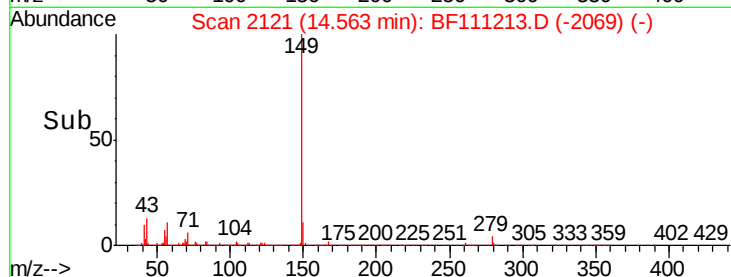
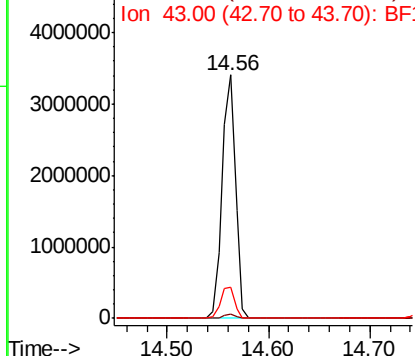
#85  
Di-n-octyl phthalate  
Concen: 65.025 ng  
RT: 14.56 min Scan# 2121  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:149 Resp: 3105108  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 13.3 11.9 17.9

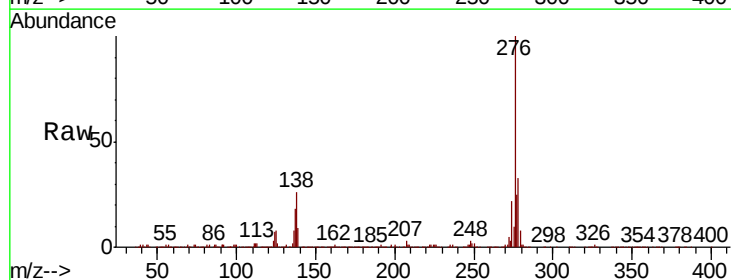


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

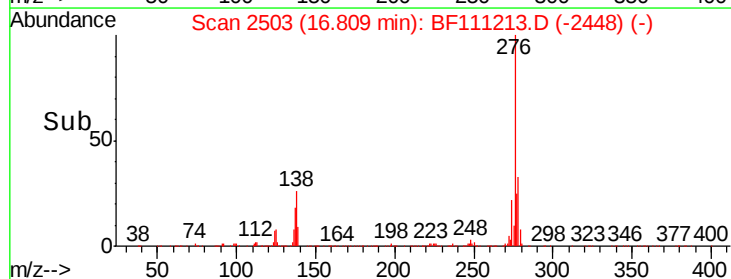
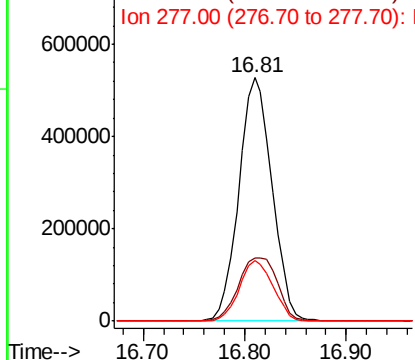


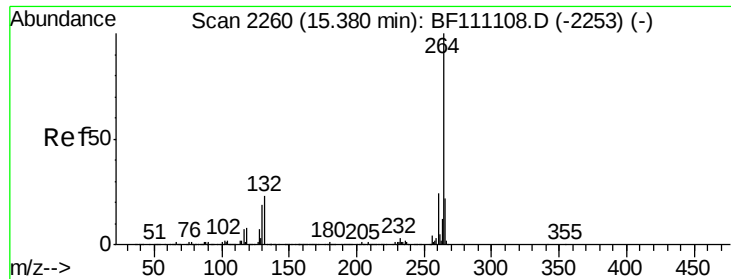
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 38.487 ng  
RT: 16.81 min Scan# 2503  
Delta R.T. 0.02 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:276 Resp: 1200983  
Ion Ratio Lower Upper  
276 100  
138 30.5 20.2 30.4#  
277 25.3 15.8 23.6#



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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

Instrument :

BNA\_F

ClientSampleId :

PB115402BS

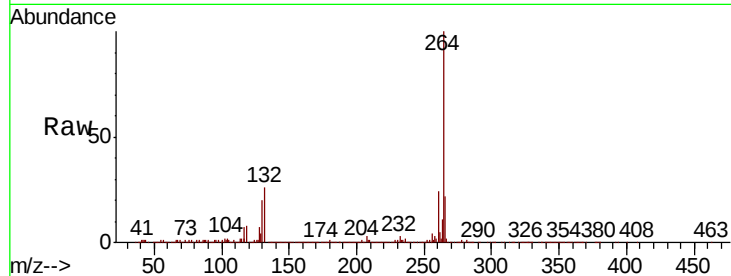
Tgt Ion:264 Resp: 728178

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

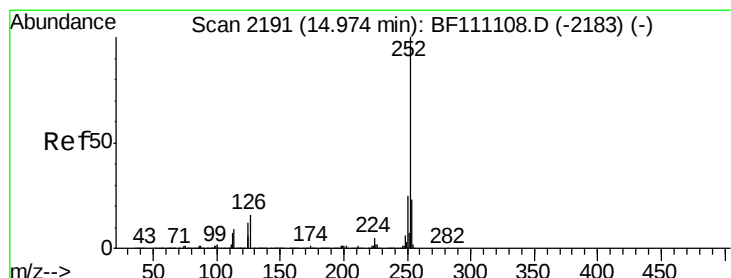
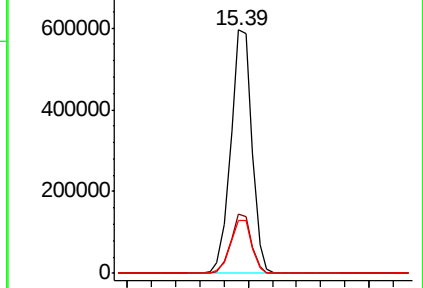
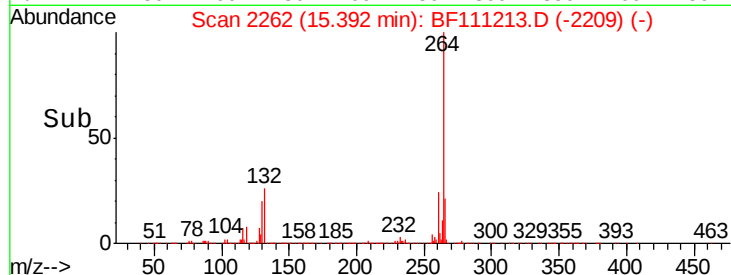
265 21.5 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.406 ng

RT: 14.99 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF111213.D

Acq: 8 Dec 2018 3:51

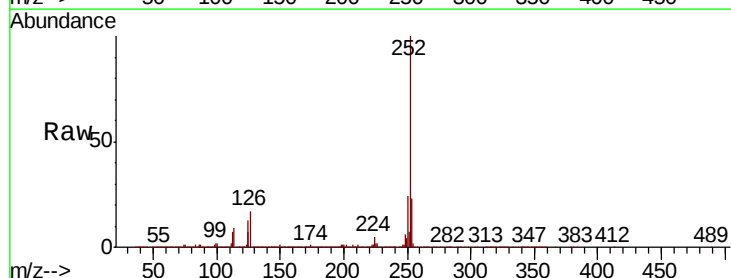
Tgt Ion:252 Resp: 1956038

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

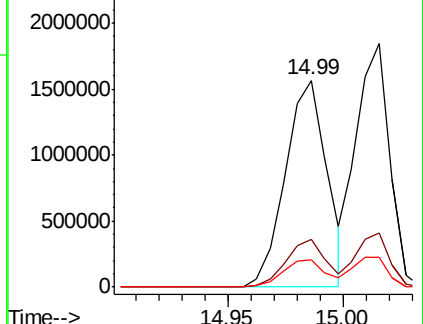
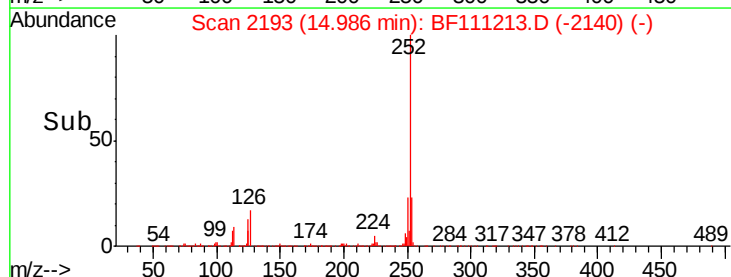
125 12.9 9.9 14.9

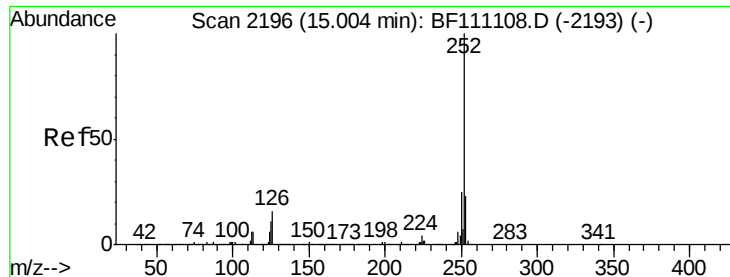


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

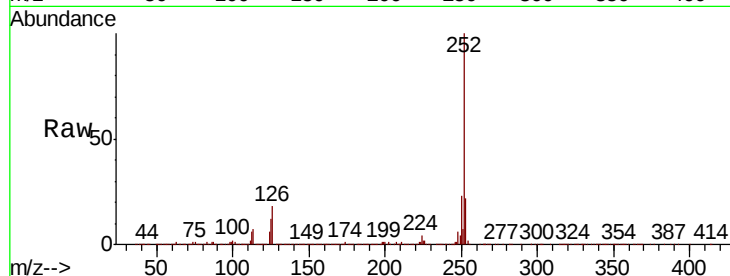




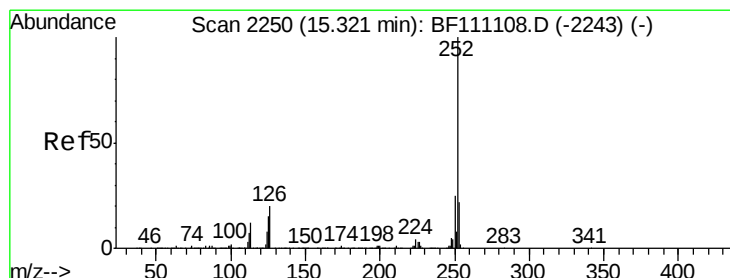
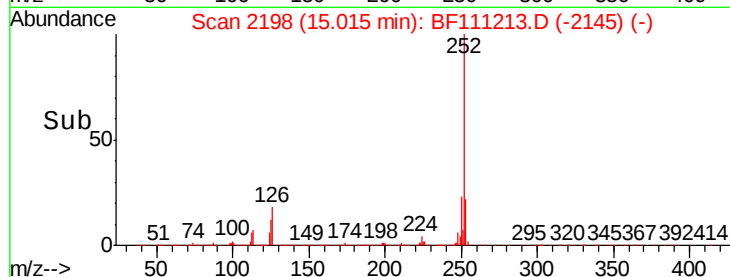
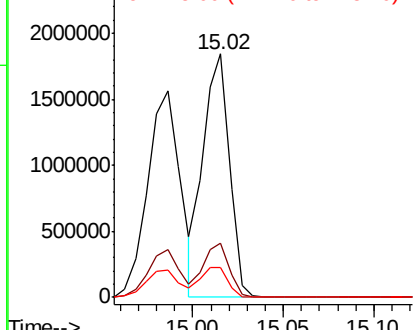
#89  
Benzo(k)fluoranthene  
Concen: 46.294 ng  
RT: 15.02 min Scan# 2198  
Delta R.T. 0.01 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:252 Resp: 1846617  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.2 27.4  
125 12.2 9.9 14.9

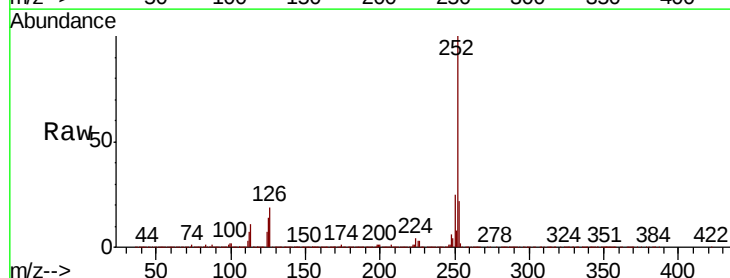


Abundance Ion 252.00 (251.70 to 252.70): E  
2500000 Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

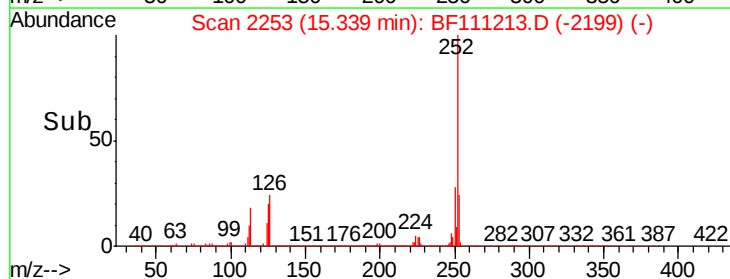
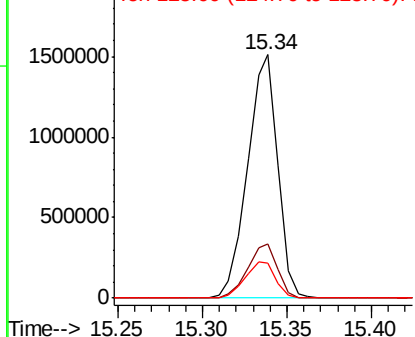


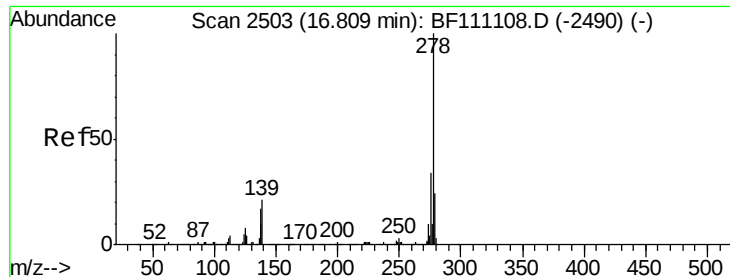
#90  
Benzo(a)pyrene  
Concen: 49.489 ng  
RT: 15.34 min Scan# 2253  
Delta R.T. 0.02 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:252 Resp: 1873023  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.5 26.3  
125 14.2 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E  
2000000 Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

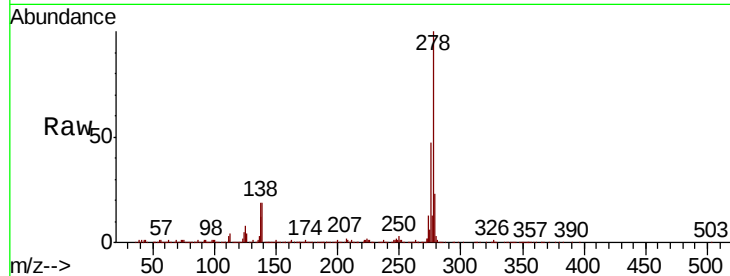




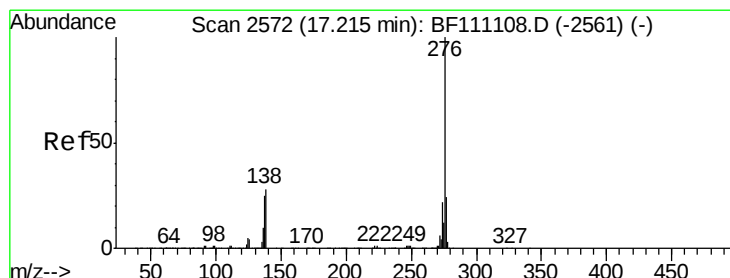
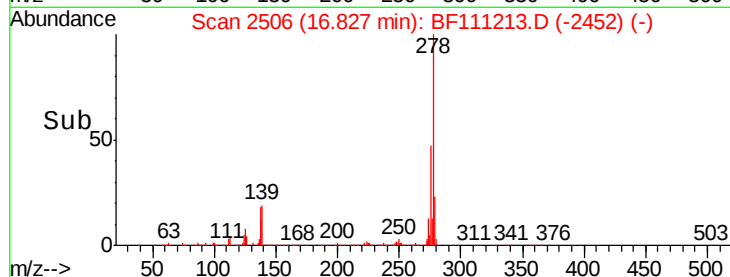
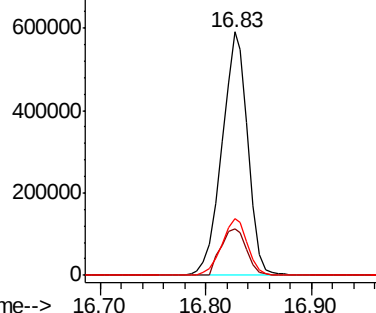
#91  
Dibenzo(a,h)anthracene  
Concen: 31.743 ng  
RT: 16.83 min Scan# 2506  
Delta R.T. 0.02 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB115402BS

Tgt Ion:278 Resp: 1008168  
Ion Ratio Lower Upper  
278 100  
139 19.0 16.6 25.0  
279 23.2 18.8 28.2

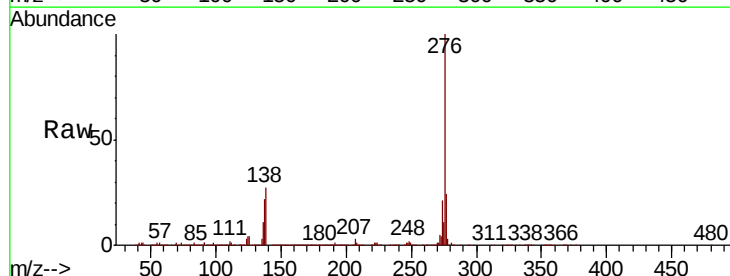


Abundance Ion 278.00 (277.70 to 278.70): E  
800000  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 31.015 ng  
RT: 17.24 min Scan# 2576  
Delta R.T. 0.02 min  
Lab File: BF111213.D  
Acq: 8 Dec 2018 3:51

Tgt Ion:276 Resp: 989899  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.3 28.9  
138 27.2 22.3 33.5



Abundance Ion 276.00 (275.70 to 276.70): E  
600000  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

