

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041519\  
 Data File : BF113767.D  
 Acq On : 15 Apr 2019 17:10  
 Operator : JU/SJ  
 Sample : K2199-10MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 15 23:08:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 112835   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.95  | 136  | 420727   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.70  | 164  | 204959   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.19 | 188  | 411959   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 13.83 | 240  | 256401   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.23 | 264  | 283666   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.30  | 112 | 763036  | 115.31 | ng | 0.00  |
| 7) Phenol-d6                | 6.33  | 99  | 887143  | 108.78 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.24  | 82  | 626264  | 87.19  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330 | 321003  | 130.38 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 9.03  | 172 | 1171608 | 92.03  | ng | -0.02 |
| 79) Terphenyl-d14           | 12.77 | 244 | 1295605 | 102.88 | ng | -0.02 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.45 | 88  | 117321 | 37.435 | ng | # 84 |
| 3) Pyridine                    | 3.16 | 79  | 225470 | 27.491 | ng | 98   |
| 4) n-Nitrosodimethylamine      | 3.05 | 42  | 139393 | 40.001 | ng | 97   |
| 6) Aniline                     | 6.35 | 93  | 107240 | 10.848 | ng | # 34 |
| 8) 2-Chlorophenol              | 6.47 | 128 | 325801 | 42.556 | ng | 98   |
| 9) Benzaldehyde                | 6.23 | 77  | 107290 | 22.125 | ng | 97   |
| 10) Phenol                     | 6.35 | 94  | 319272 | 34.277 | ng | 81   |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 327231 | 45.163 | ng | 99   |
| 12) 1,3-Dichlorobenzene        | 6.61 | 146 | 344302 | 41.761 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.69 | 146 | 357331 | 42.889 | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 6.85 | 146 | 330598 | 43.961 | ng | 97   |
| 15) Benzyl Alcohol             | 6.83 | 79  | 213533 | 38.723 | ng | 94   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45  | 485349 | 43.035 | ng | 68   |
| 17) 2-Methylphenol             | 6.96 | 107 | 274438 | 46.256 | ng | # 86 |
| 18) Hexachloroethane           | 7.17 | 117 | 124880 | 41.180 | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70  | 230480 | 45.830 | ng | 99   |
| 20) 3+4-Methylphenols          | 7.12 | 107 | 337786 | 46.988 | ng | # 91 |
| 22) Acetophenone               | 7.09 | 105 | 452468 | 48.965 | ng | 98   |
| 24) Nitrobenzene               | 7.26 | 77  | 344367 | 46.555 | ng | 100  |
| 25) Isophorone                 | 7.50 | 82  | 624183 | 45.111 | ng | 100  |
| 26) 2-Nitrophenol              | 7.58 | 139 | 181829 | 45.674 | ng | 93   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 292379 | 51.372 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 397261 | 45.413 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 7.84 | 162 | 290529 | 47.710 | ng | 99   |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180 | 301877 | 45.650 | ng | 98   |
| 31) Naphthalene                | 7.97 | 128 | 964418 | 47.310 | ng | 99   |
| 32) Benzoic acid               | 7.79 | 122 | 107539 | 24.401 | ng | 99   |
| 33) 4-Chloroaniline            | 8.06 | 127 | 48869  | 6.046  | ng | 97   |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 180648 | 44.807 | ng | 99   |
| 35) Caprolactam                | 8.42 | 113 | 32168  | 16.641 | ng | 96   |
| 36) 4-Chloro-3-methylphenol    | 8.54 | 107 | 284958 | 46.616 | ng | 98   |
| 37) 2-Methylnaphthalene        | 8.67 | 142 | 648431 | 48.364 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.76 | 142 | 614927 | 47.565 | ng | 100  |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.84 | 216 | 313682 | 47.323 | ng | 99   |

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 Sample : K2199-10MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

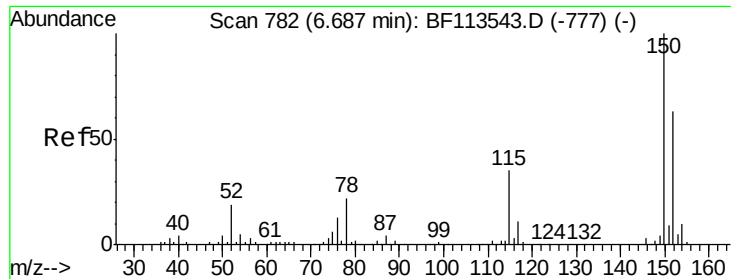
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 15 23:08:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.82  | 237  | 134104   | 61.541 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.96  | 196  | 196957   | 47.073 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.02  | 196  | 202520   | 45.085 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.13  | 154  | 809489   | 47.862 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.16  | 162  | 608230   | 47.498 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.26  | 65   | 183947   | 46.945 | ng    | 97       |
| 49) Acenaphthylene             | 9.57  | 152  | 964196   | 46.304 | ng    | 99       |
| 50) Dimethylphthalate          | 9.43  | 163  | 699126   | 46.275 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.50  | 165  | 157440   | 47.275 | ng    | 98       |
| 52) Acenaphthene               | 9.74  | 154  | 572840   | 48.058 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.68  | 138  | 54290    | 14.338 | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 9.81  | 184  | 77608    | 49.811 | ng    | 92       |
| 55) Dibenzofuran               | 9.91  | 168  | 857818   | 49.060 | ng    | 98       |
| 56) 4-Nitrophenol              | 9.88  | 139  | 94881    | 40.396 | ng    | 90       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 202437   | 50.261 | ng    | 88       |
| 58) Fluorene                   | 10.26 | 166  | 678017   | 49.028 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.05 | 232  | 201286   | 51.768 | ng    | 93       |
| 60) Diethylphthalate           | 10.13 | 149  | 694713   | 47.693 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.24 | 204  | 337072   | 49.554 | ng    | 93       |
| 62) 4-Nitroaniline             | 10.29 | 138  | 158549   | 41.179 | ng    | 98       |
| 63) Azobenzene                 | 10.40 | 77   | 643097   | 46.628 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.33 | 198  | 66723    | 30.765 | ng    | 90       |
| 66) n-Nitrosodiphenylamine     | 10.37 | 169  | 605792   | 47.900 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.73 | 248  | 217267   | 47.025 | ng    | 92       |
| 68) Hexachlorobenzene          | 10.81 | 284  | 249441   | 47.117 | ng    | 98       |
| 69) Atrazine                   | 10.90 | 200  | 187182   | 46.957 | ng    | 96       |
| 70) Pentachlorophenol          | 11.02 | 266  | 165697   | 66.422 | ng    | 95       |
| 71) Phenanthrene               | 11.22 | 178  | 984054   | 48.072 | ng    | 99       |
| 72) Anthracene                 | 11.27 | 178  | 1050836  | 50.455 | ng    | 99       |
| 73) Carbazole                  | 11.43 | 167  | 964975   | 49.538 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.75 | 149  | 1109532  | 47.882 | ng    | 99       |
| 75) Fluoranthene               | 12.40 | 202  | 1059802  | 48.314 | ng    | 100      |
| 77) Benzidine                  | 12.53 | 184  | 157860   | 16.556 | ng    | 99       |
| 78) Pyrene                     | 12.63 | 202  | 1049004  | 53.770 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.24 | 149  | 440430   | 55.460 | ng    | 99       |
| 81) Benzo(a)anthracene         | 13.82 | 228  | 752800   | 50.897 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.78 | 252  | 98822    | 17.347 | ng    | 99       |
| 83) Chrysene                   | 13.85 | 228  | 783965   | 52.287 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.80 | 149  | 578562   | 60.257 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.41 | 149  | 883620   | 56.616 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.61 | 276  | 995536   | 71.915 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.84 | 252  | 738118   | 42.509 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.86 | 252  | 733904   | 47.094 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.18 | 252  | 757647   | 49.104 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 16.61 | 278  | 835338   | 57.893 | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.01 | 276  | 887634   | 60.271 | ng    | 99       |

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



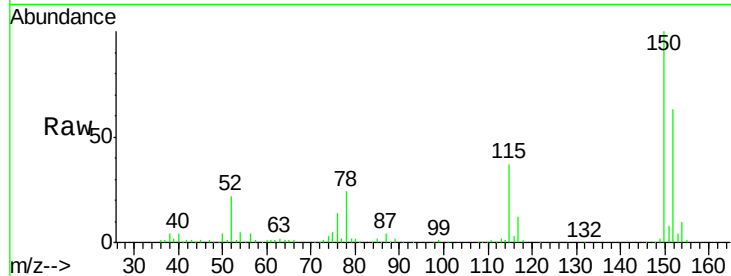


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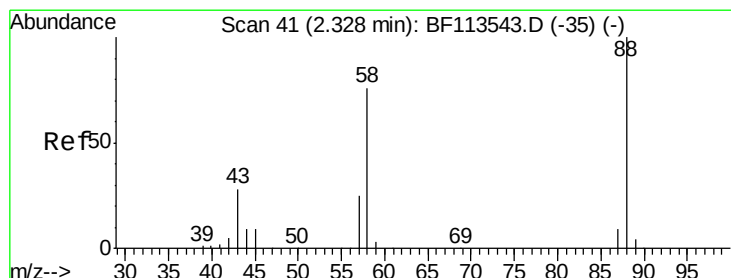
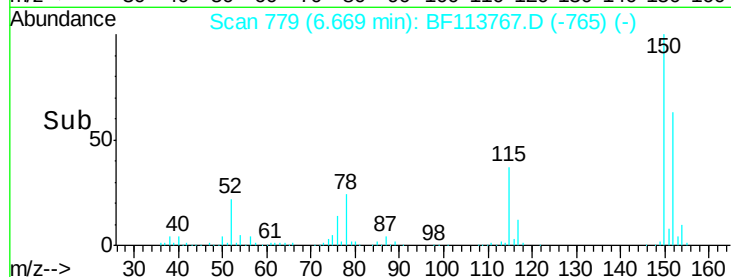
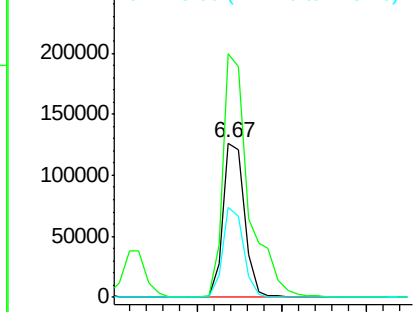
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 779  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 112835  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.7 187.1  
115 58.2 46.0 69.0



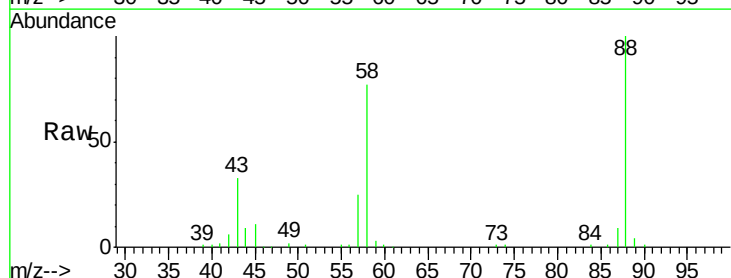
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



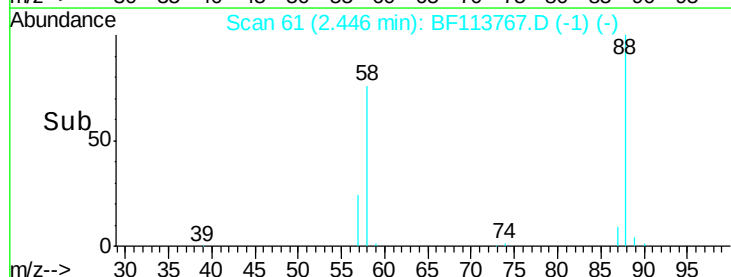
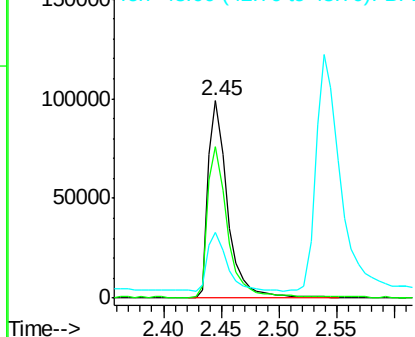
#2

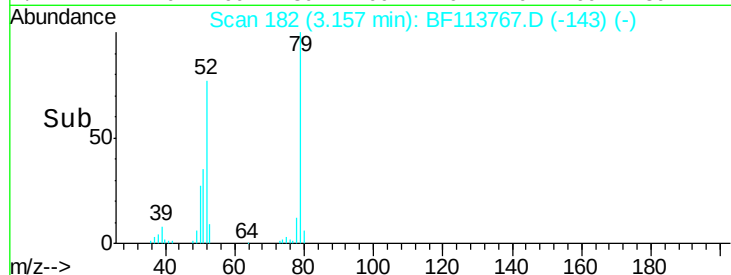
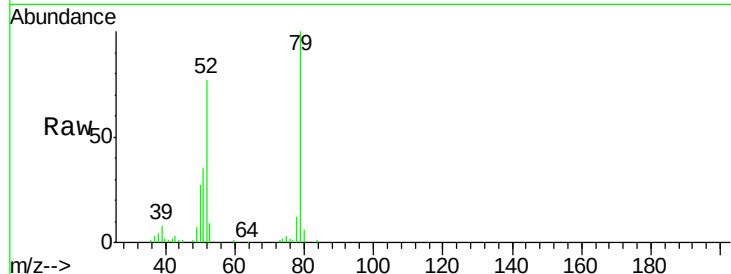
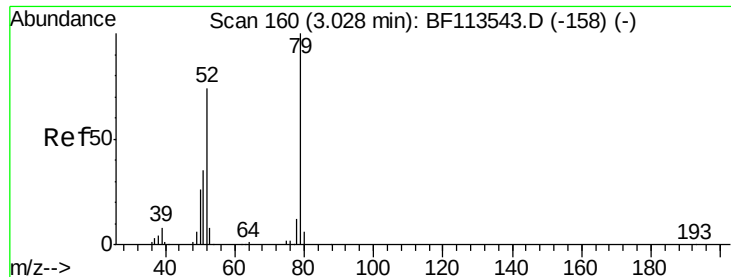
1,4-Dioxane  
Concen: 37.435 ng  
RT: 2.45 min Scan# 61  
Delta R.T. 0.12 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion: 88 Resp: 117321  
Ion Ratio Lower Upper  
88 100  
58 78.0 61.9 92.9  
43 0.0 24.2 36.4#



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

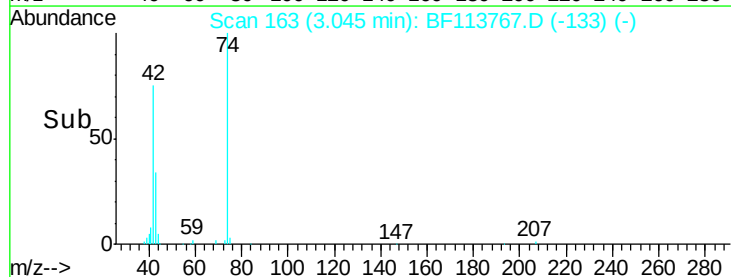
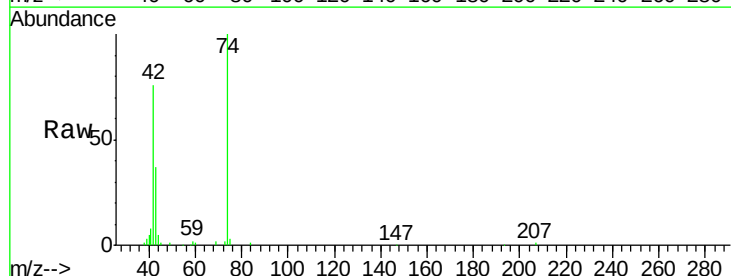
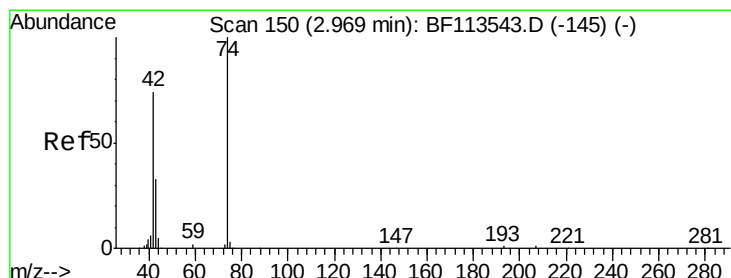
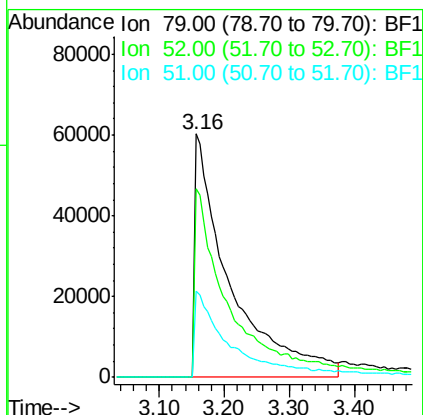




#3  
 Pvridine  
 Concen: 27.491 ng  
 RT: 3.16 min Scan# 182  
 Delta R.T. 0.13 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

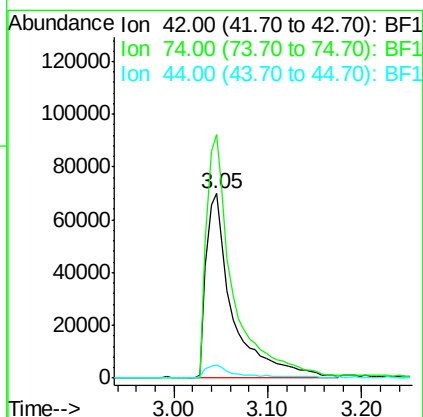
Instrument :  
 BNA\_F  
 ClientSampleId :

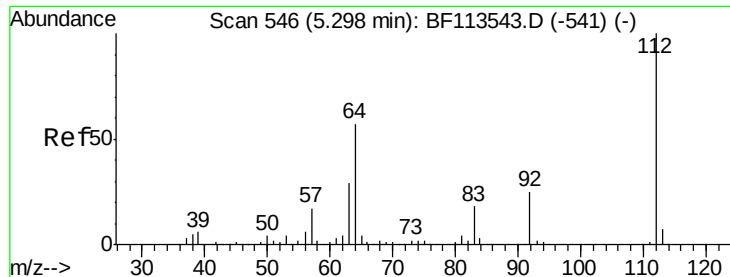
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 77.2  | 61.0  | 91.4  |
| 51      | 35.2  | 30.6  | 45.8  |



#4  
 n-Nitrosodimethylamine  
 Concen: 40.001 ng  
 RT: 3.05 min Scan# 163  
 Delta R.T. 0.08 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 131.9 | 102.4 | 153.6 |
| 44      | 7.1   | 5.5   | 8.3   |

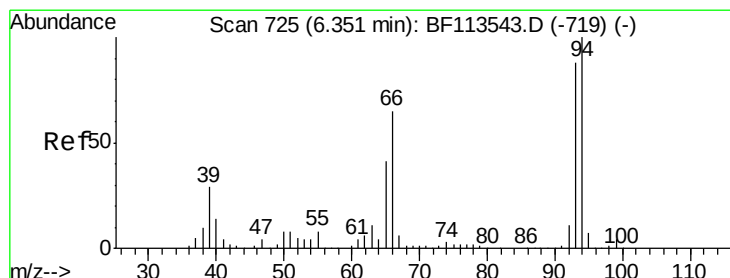
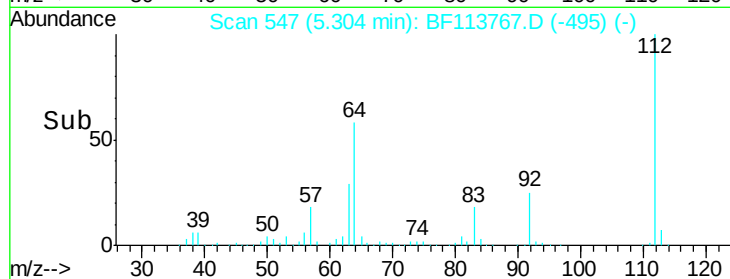
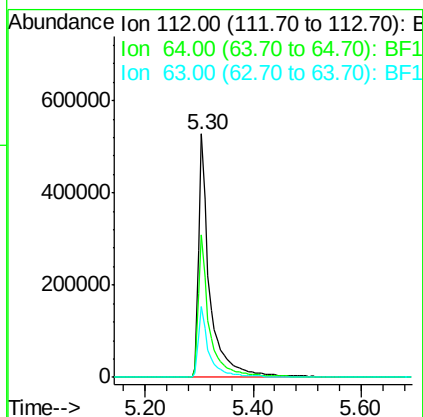
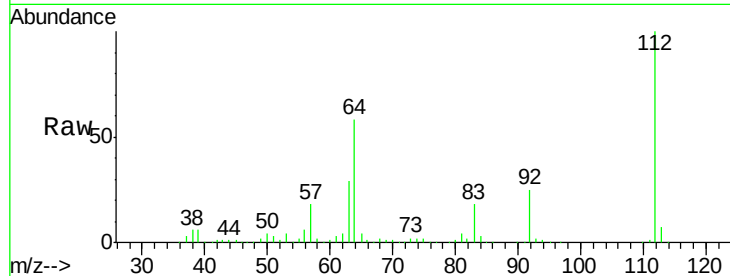




#5  
2-Fluorophenol  
Concen: 115.315 ng  
RT: 5.30 min Scan# 547  
Delta R.T. 0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

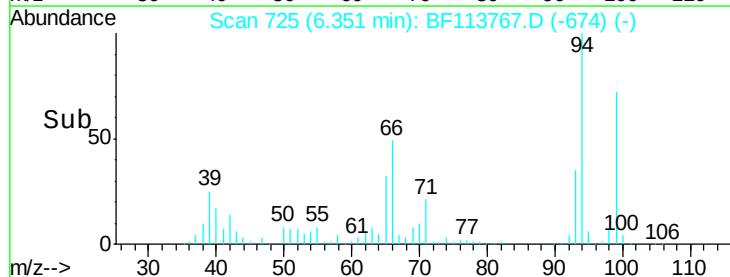
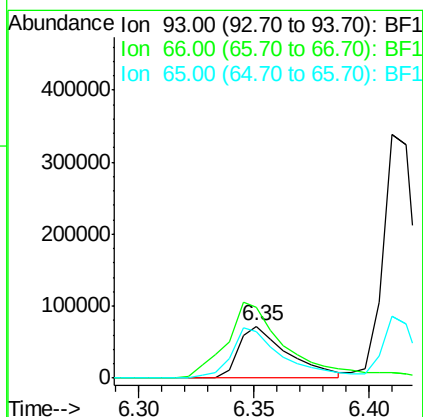
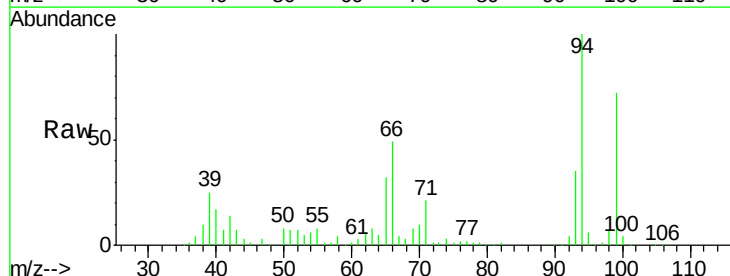
Instrument :  
BNA\_F  
ClientSampleId :

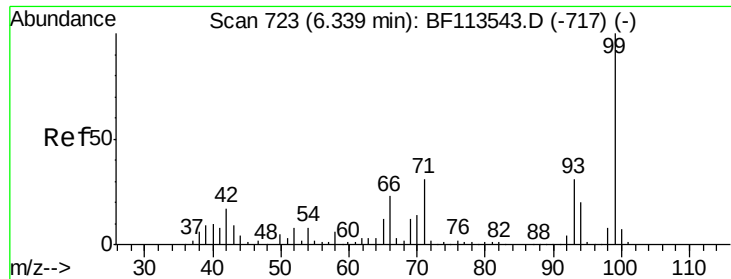
Tot Ion:112 Resp: 763036  
Ion Ratio Lower Upper  
112 100  
64 58.4 49.2 73.8  
63 29.1 24.9 37.3



#6  
Aniline  
Concen: 10.848 ng  
RT: 6.35 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion: 93 Resp: 107240  
Ion Ratio Lower Upper  
93 100  
66 137.2 62.1 93.1#  
65 89.6 38.7 58.1#





#7

Phenol-d6

Concen: 108.779 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

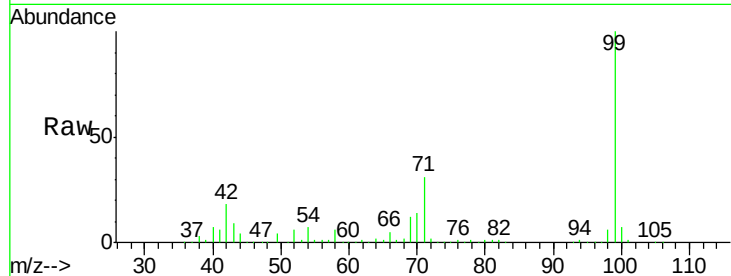
Tot Ion: 99 Resp: 887143

Ion Ratio Lower Upper

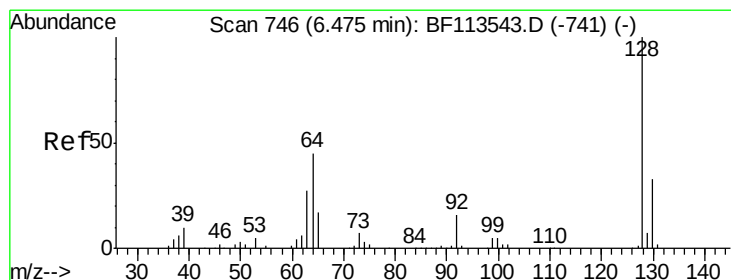
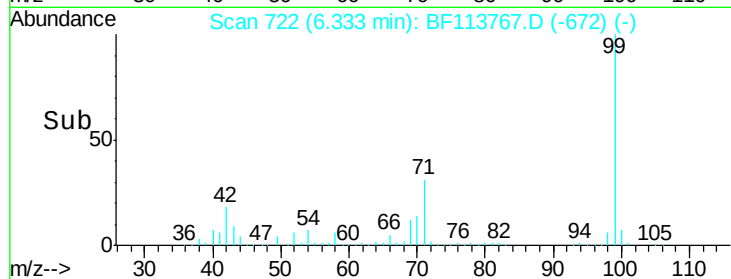
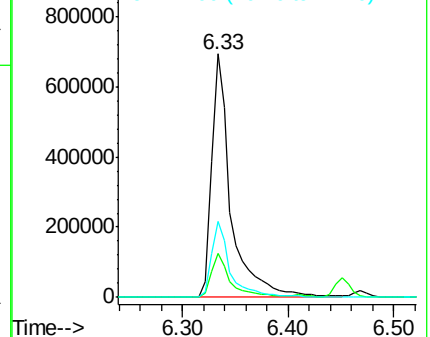
99 100

42 17.8 14.8 22.2

71 31.2 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.556 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

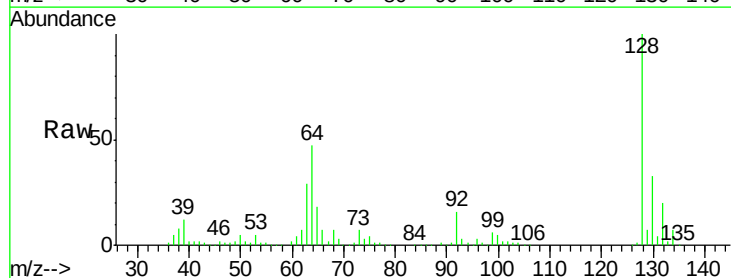
Tgt Ion: 128 Resp: 325801

Ion Ratio Lower Upper

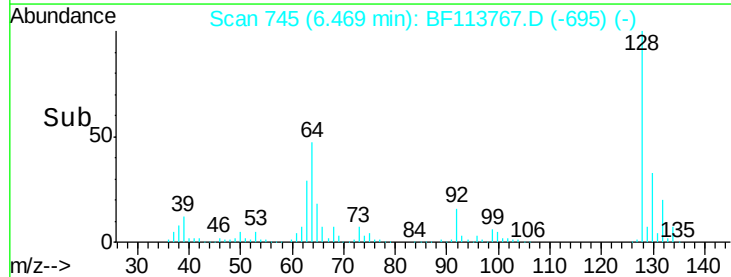
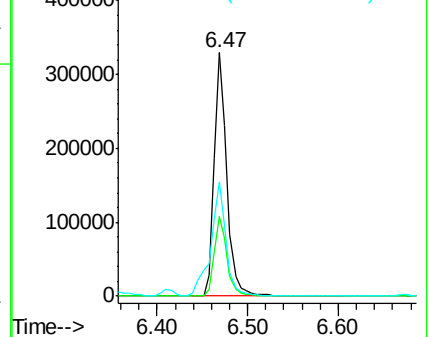
128 100

130 32.6 12.6 52.6

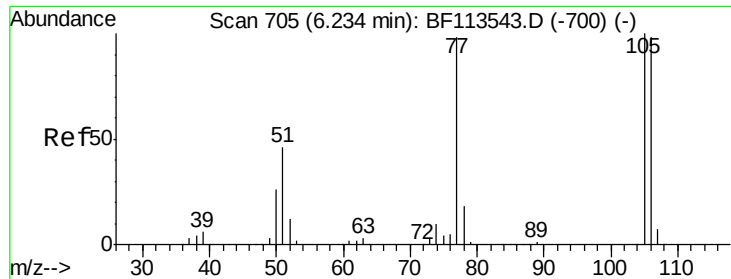
64 47.2 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1



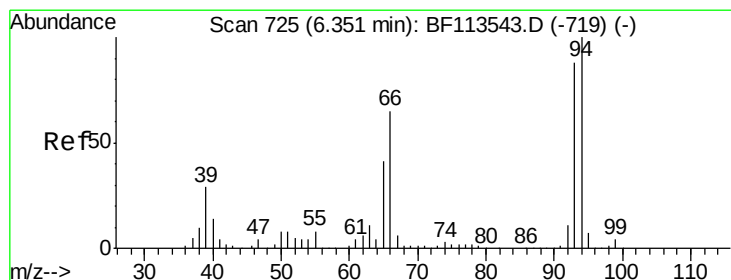
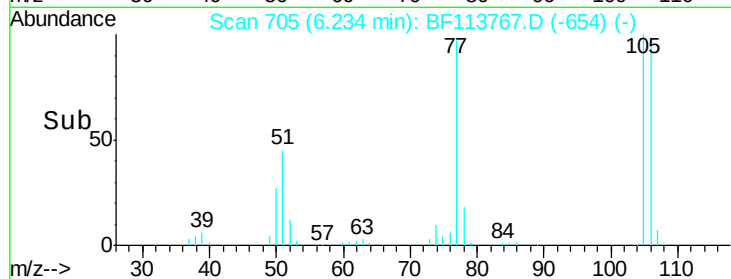
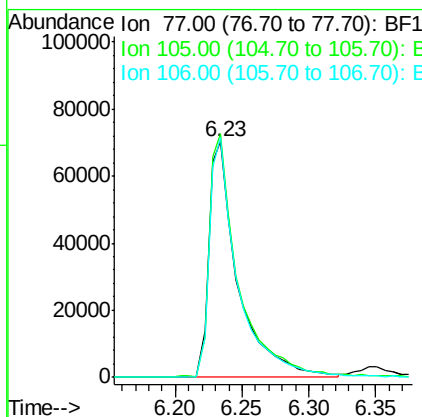
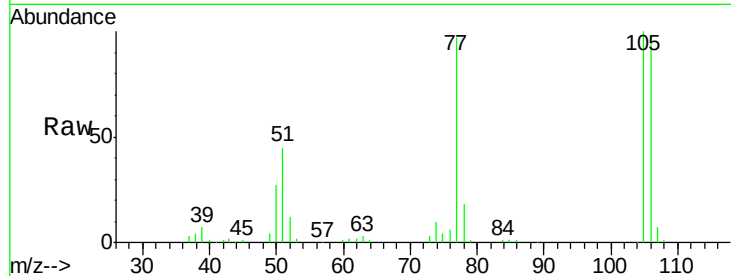




#9  
Benzaldehyde  
Concen: 22.125 ng  
RT: 6.23 min Scan# 705  
Delta R.T. -0.00 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

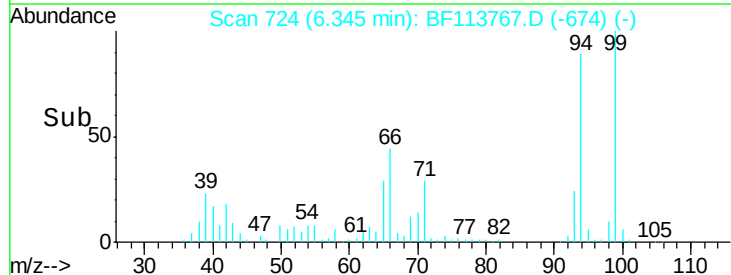
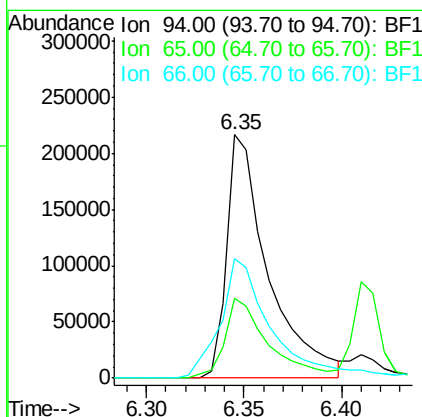
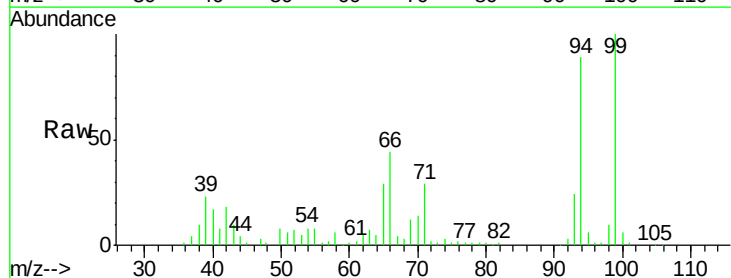
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 77 Resp: 107290  
Ion Ratio Lower Upper  
77 100  
105 103.2 80.9 120.9  
106 101.6 77.8 117.8

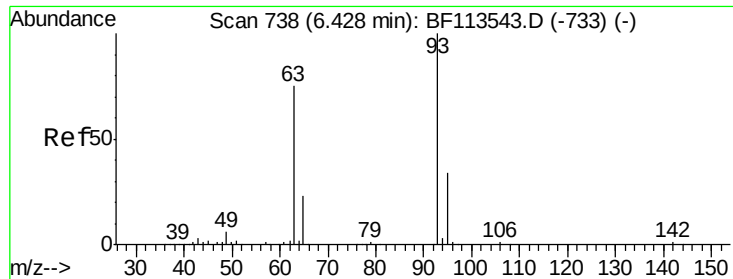


#10  
Phenol  
Concen: 34.277 ng  
RT: 6.35 min Scan# 724  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion: 94 Resp: 319272  
Ion Ratio Lower Upper  
94 100  
65 32.5 21.4 61.4  
66 48.8 46.4 86.4







#11

bis(2-Chloroethyl)ether

Concen: 45.163 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

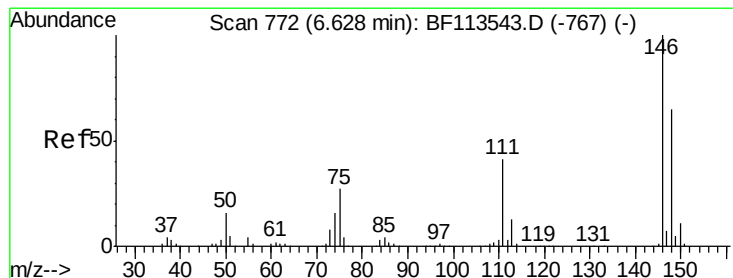
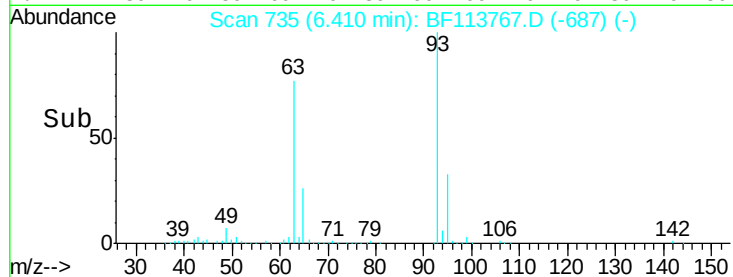
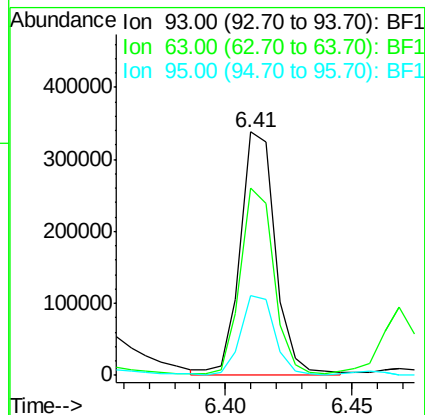
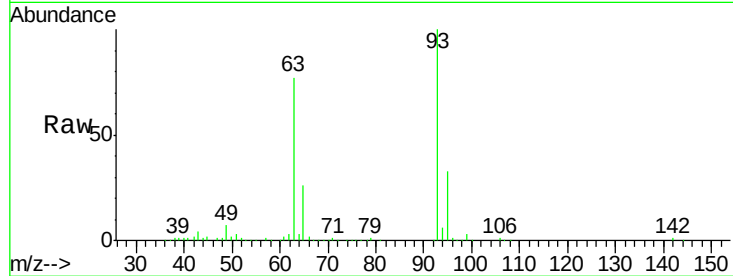
Tot Ion: 93 Resp: 327231

Ion Ratio Lower Upper

93 100

63 77.0 56.1 96.1

95 32.7 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 41.761 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

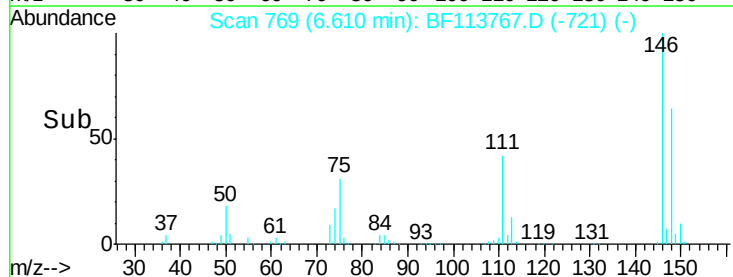
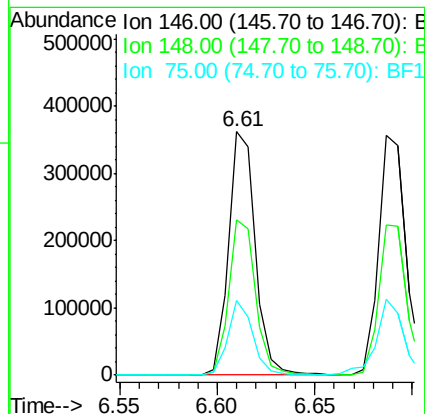
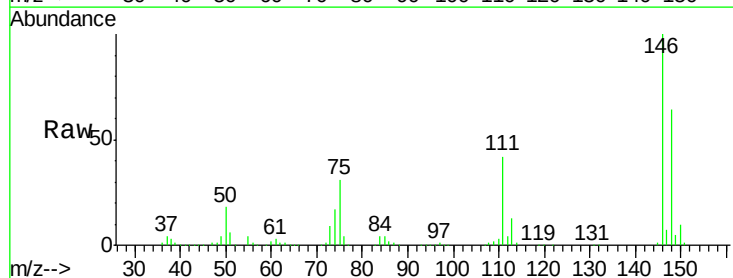
Tgt Ion: 146 Resp: 344302

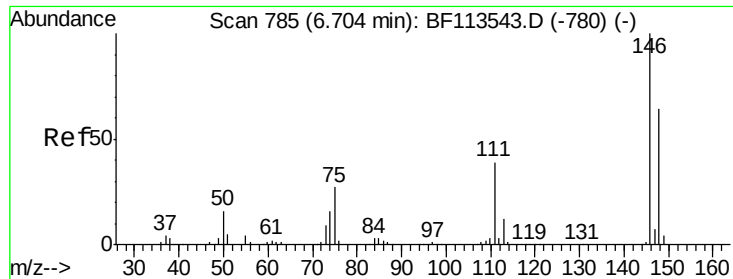
Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.0

75 30.6 24.8 37.2

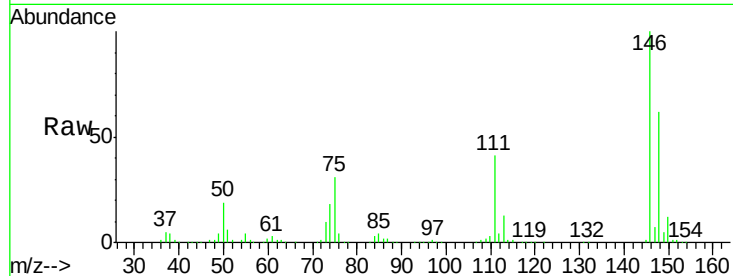




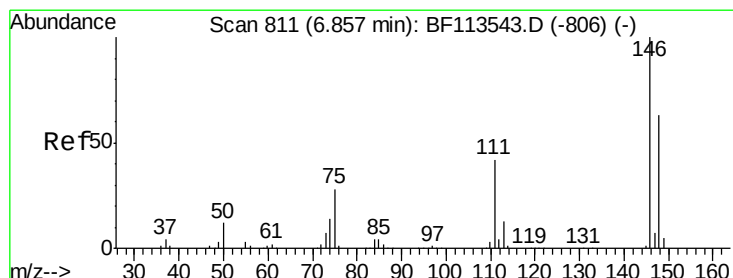
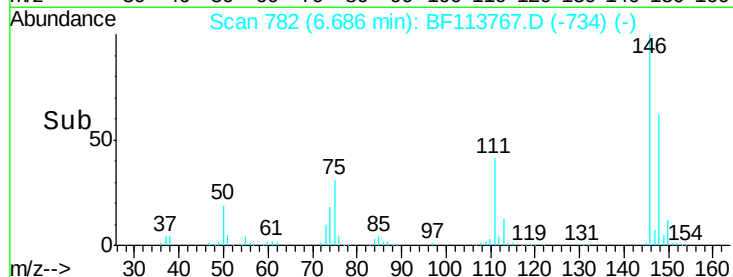
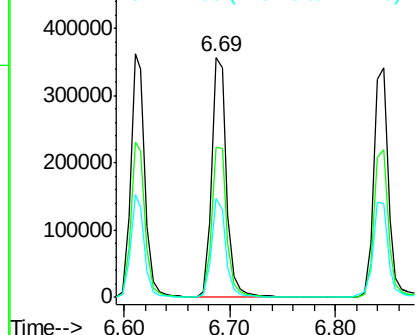
#13  
 1,4-Dichlorobenzene  
 Concen: 42.889 ng  
 RT: 6.69 min Scan# 782  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 357331  
 Ion Ratio Lower Upper  
 146 100  
 148 62.5 51.1 76.7  
 111 41.4 32.8 49.2

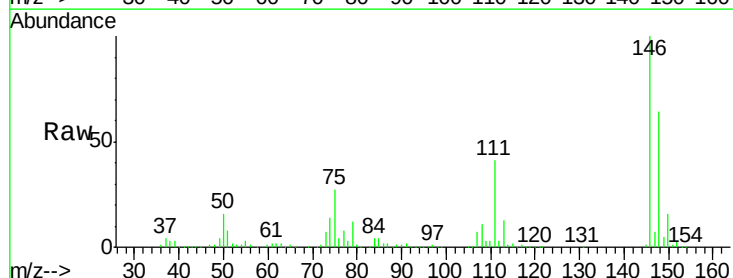


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

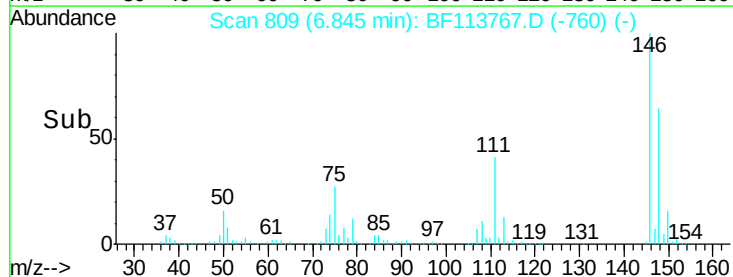
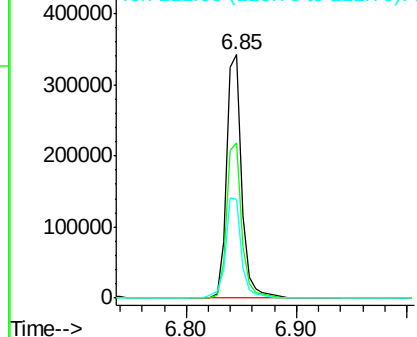


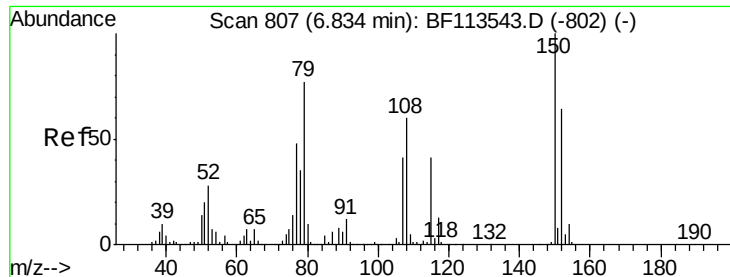
#14  
 1,2-Dichlorobenzene  
 Concen: 43.961 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Tgt Ion:146 Resp: 330598  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 50.2 75.4  
 111 40.7 35.4 53.2



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: 38.723 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampled :

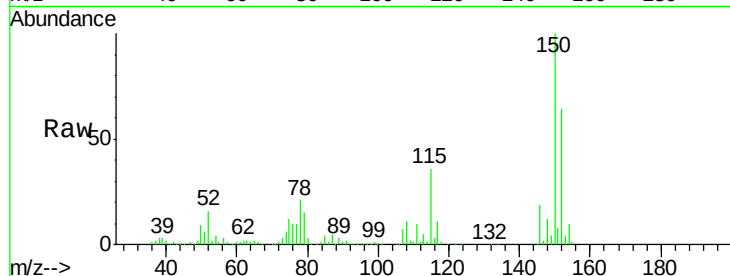
Tot Ion: 79 Resp: 213533

Ion Ratio Lower Upper

79 100

108 72.3 62.0 93.0

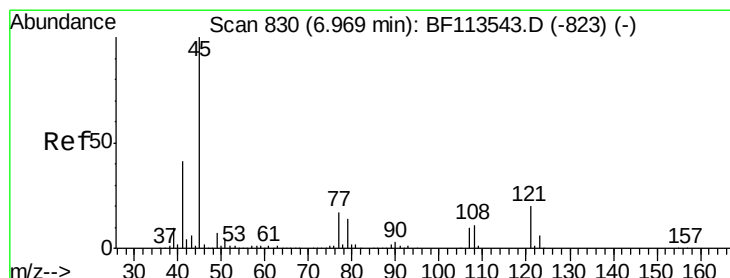
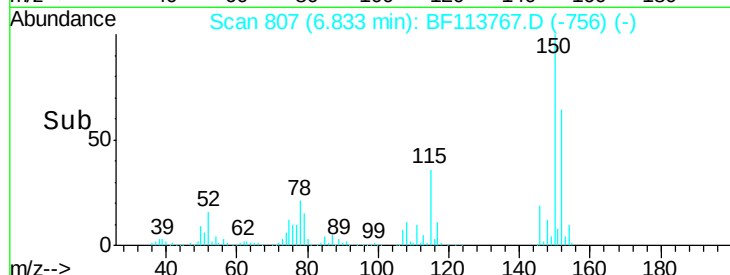
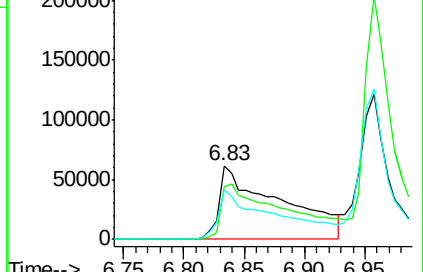
77 67.1 49.9 74.9



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: 43.035 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

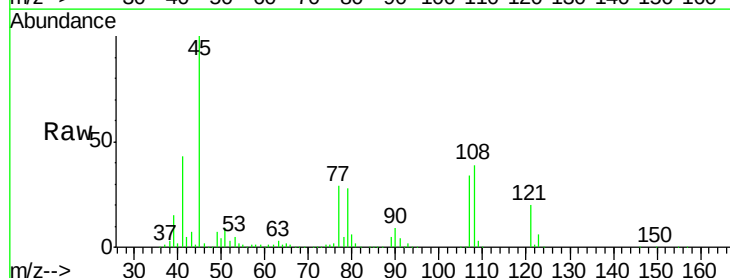
Tgt Ion: 45 Resp: 485349

Ion Ratio Lower Upper

45 100

77 29.4 0.0 36.6

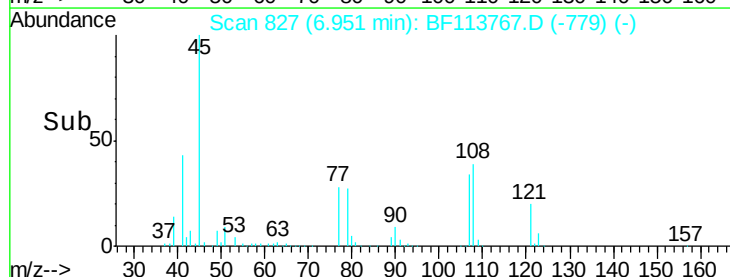
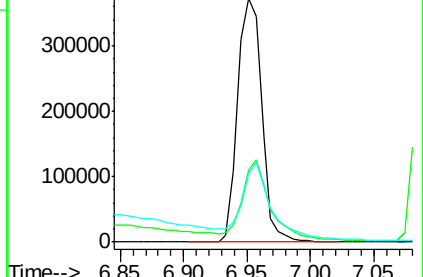
79 27.8 0.0 34.0

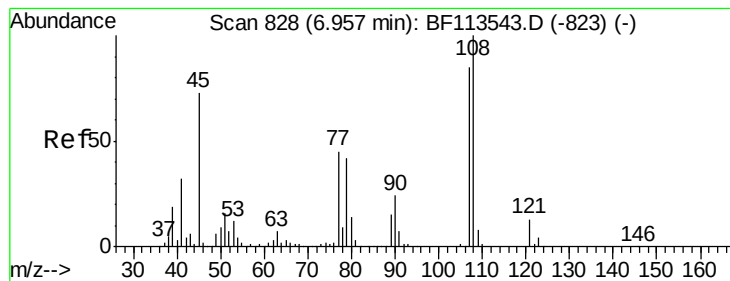


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 46.256 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 274438

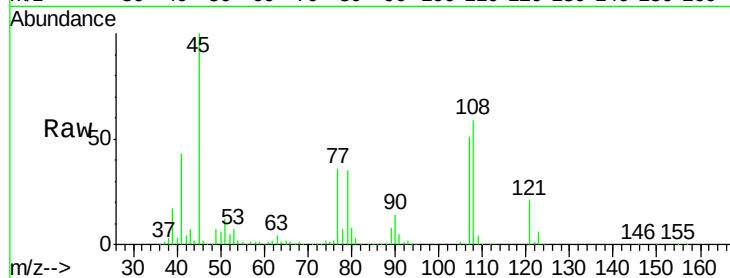
Ion Ratio Lower Upper

107 100

108 115.5 93.4 140.0

77 71.3 41.2 61.8#

79 69.0 40.1 60.1#

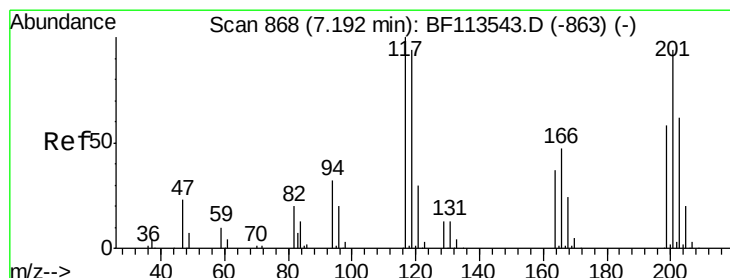
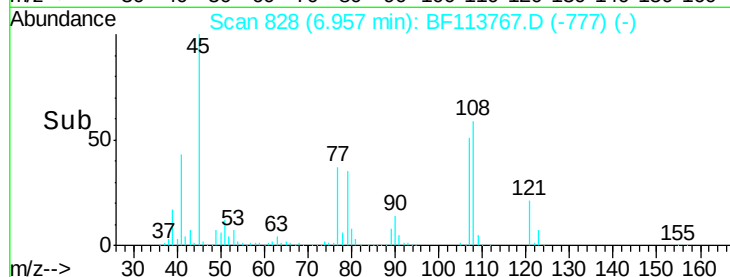
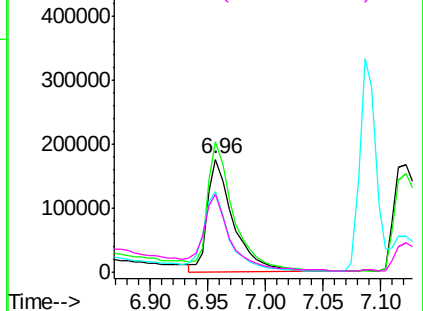


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 41.180 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

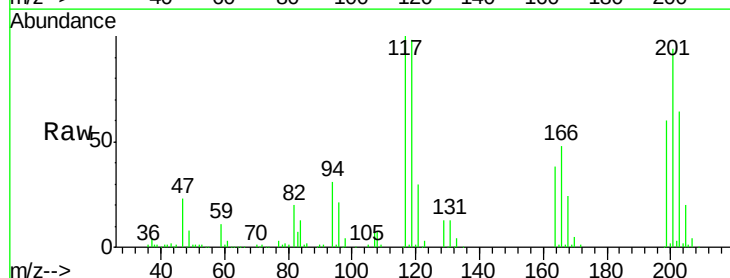
Tgt Ion:117 Resp: 124880

Ion Ratio Lower Upper

117 100

119 97.5 76.9 115.3

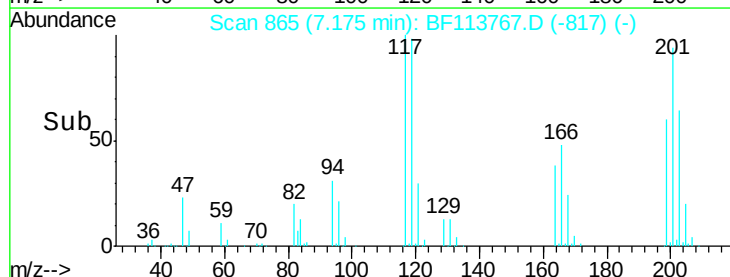
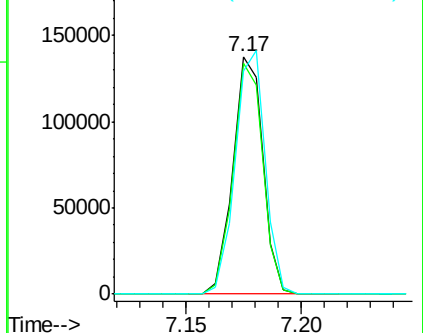
201 93.8 78.7 118.1

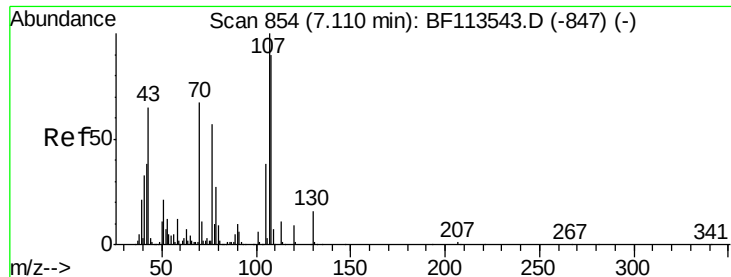


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

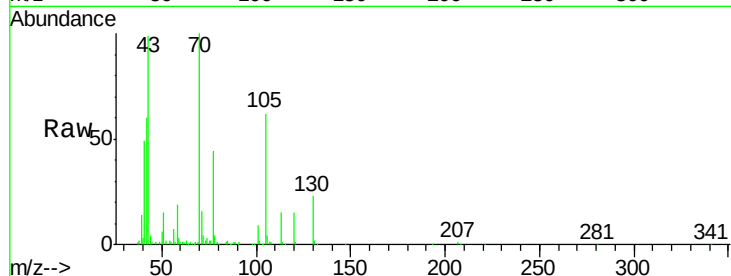




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.830 ng  
RT: 7.10 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 59.7  | 48.4  | 72.6  |
| 101     | 9.3   | 7.8   | 11.8  |
| 130     | 23.0  | 18.2  | 27.4  |

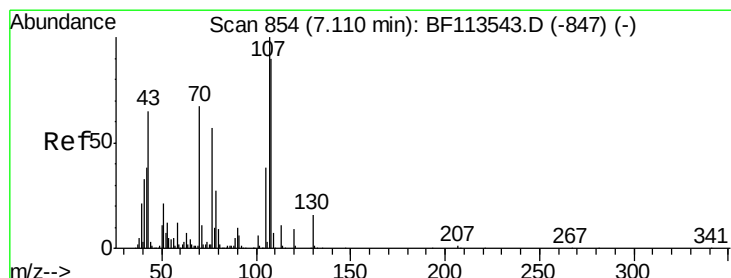
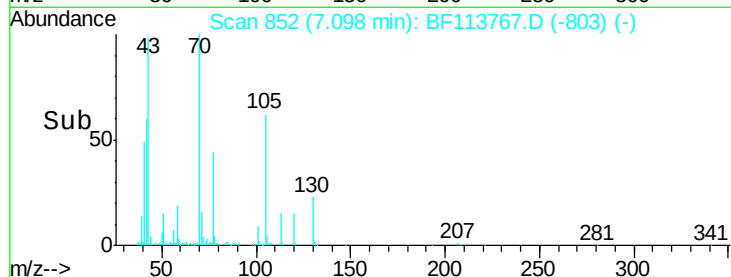
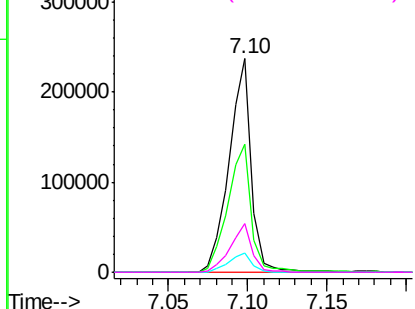


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

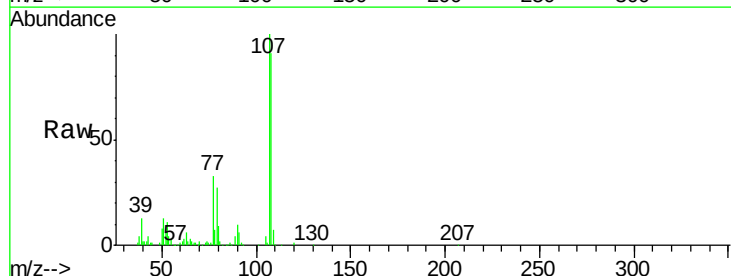
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20  
3+4-Methylphenols  
Concen: 46.988 ng  
RT: 7.12 min Scan# 856  
Delta R.T. 0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 91.5  | 71.4  | 111.4 |
| 77      | 33.2  | 33.5  | 73.5# |
| 79      | 27.3  | 8.3   | 48.3  |

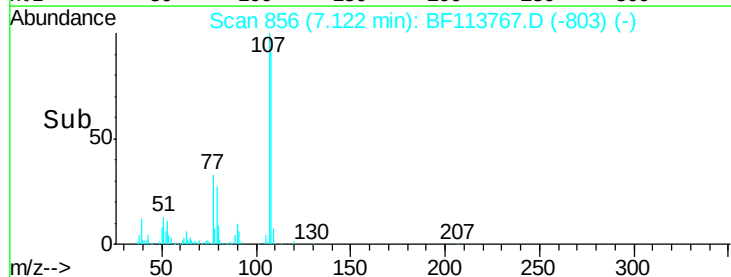
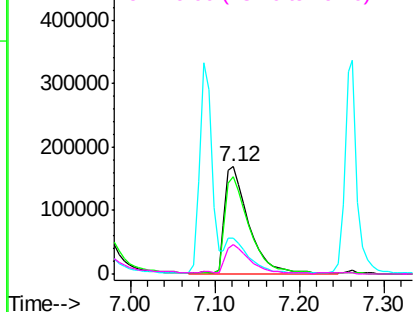


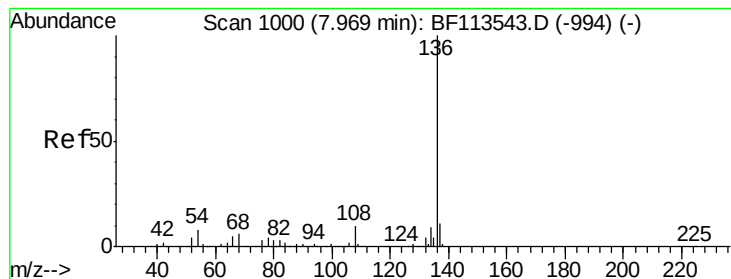
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 420727

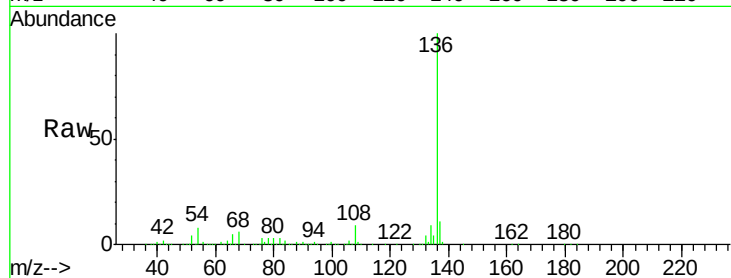
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.2 7.0 10.6

68 6.0 4.8 7.2

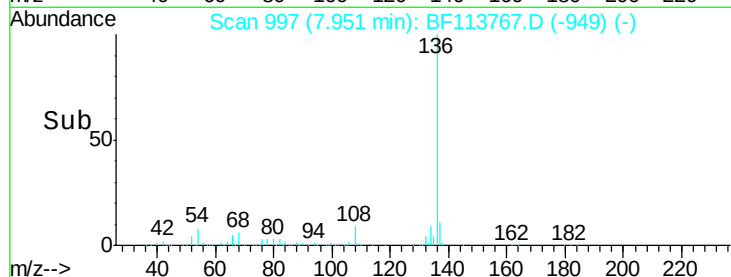


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

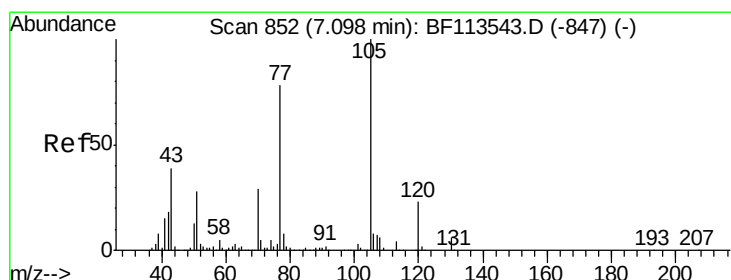
7.95

400000

200000

0

Time-->



#22

Acetophenone

Concen: 48.965 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Tgt Ion:105 Resp: 452468

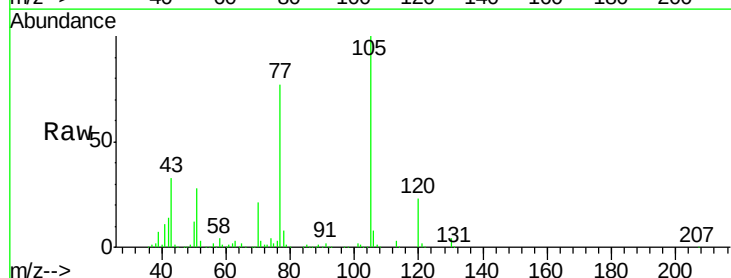
Ion Ratio Lower Upper

105 100

71 3.5 3.3 4.9

51 28.1 24.2 36.2

120 22.6 18.1 27.1

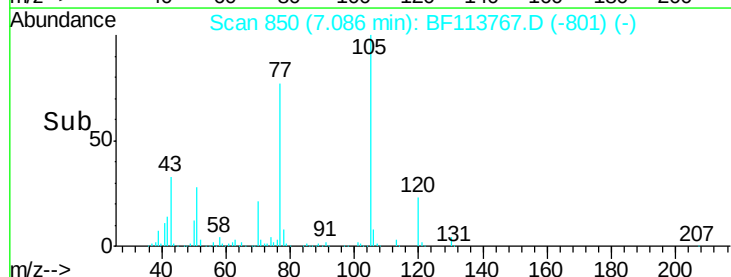


Abundance Ion 105.00 (104.70 to 105.70): E

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



Abundance

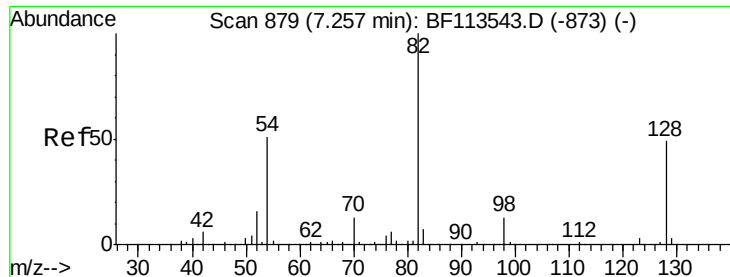
7.09

400000

200000

0

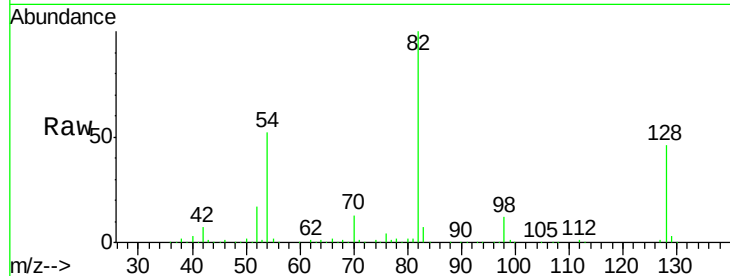
Time-->



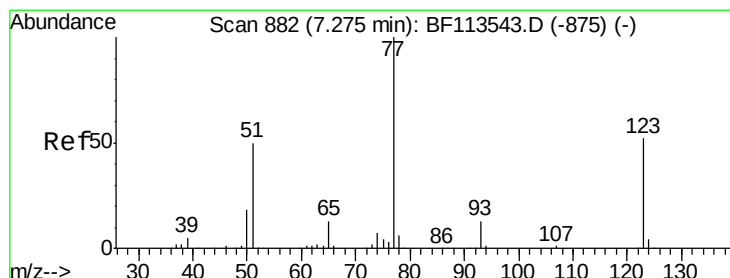
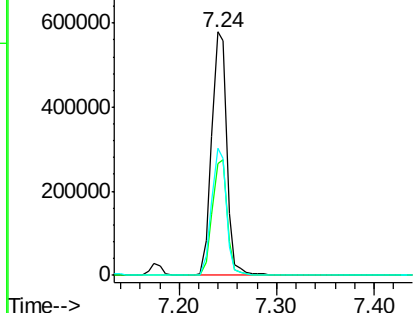
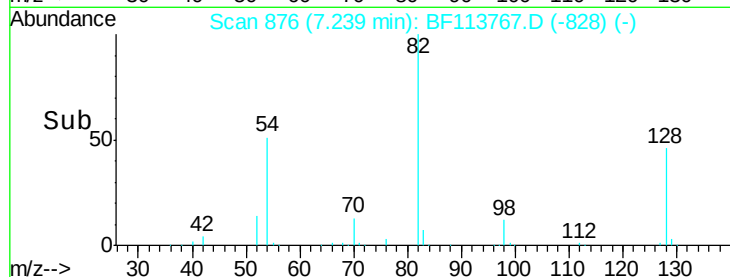
#23  
 Nitrobenzene-d5  
 Concen: 87.191 ng  
 RT: 7.24 min Scan# 876  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 626264  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 36.5 54.7  
 54 52.3 42.2 63.2

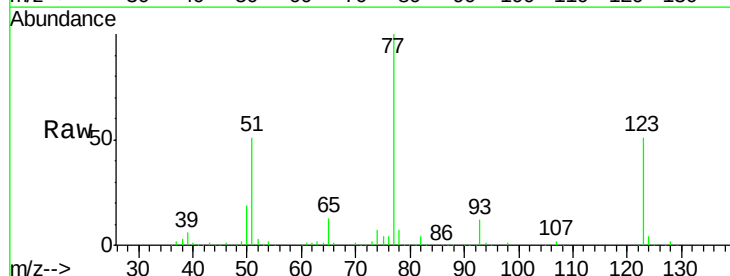


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF1

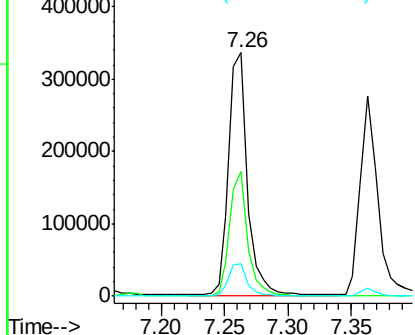
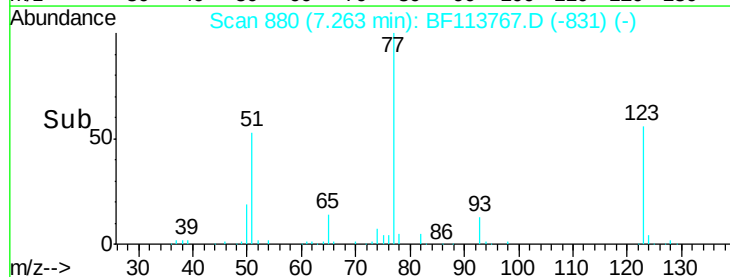


#24  
 Nitrobenzene  
 Concen: 46.555 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

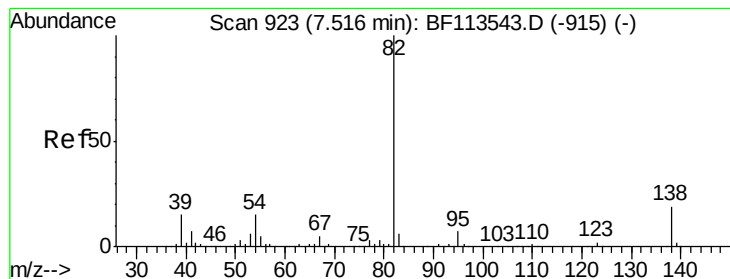
Tgt Ion: 77 Resp: 344367  
 Ion Ratio Lower Upper  
 77 100  
 123 50.9 40.8 61.2  
 65 13.2 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF1







#25

Isophorone

Concen: 45.111 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

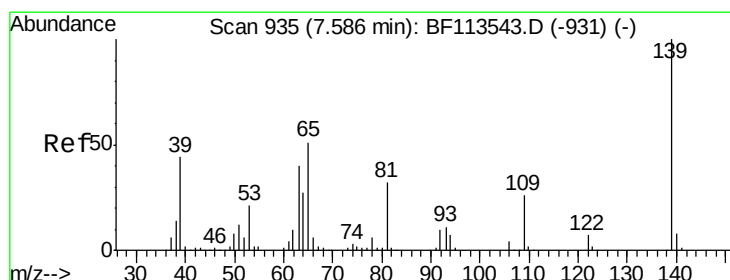
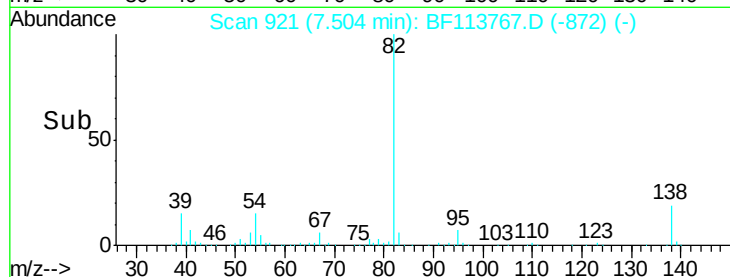
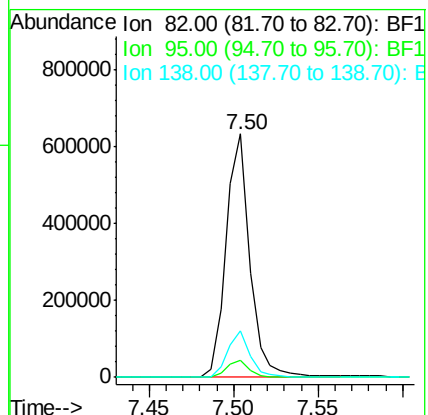
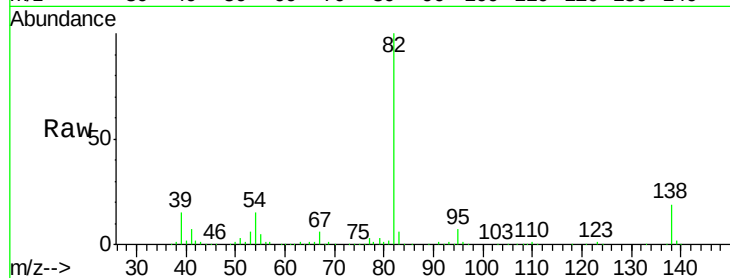
Tot Ion: 82 Resp: 624183

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

138 19.1 15.2 22.8



#26

2-Nitrophenol

Concen: 45.674 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

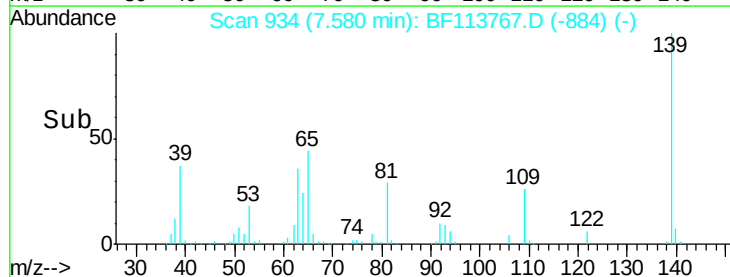
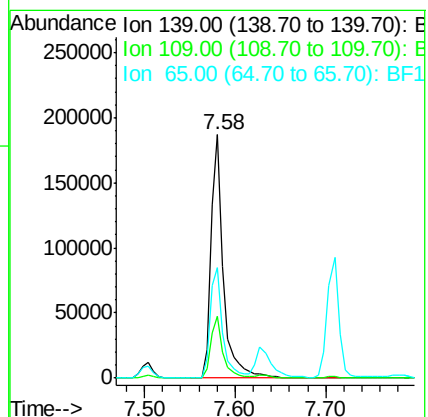
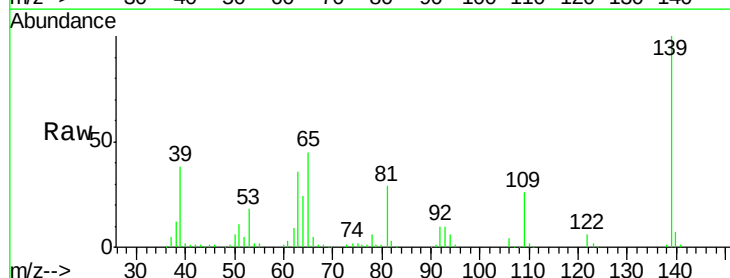
Tgt Ion: 139 Resp: 181829

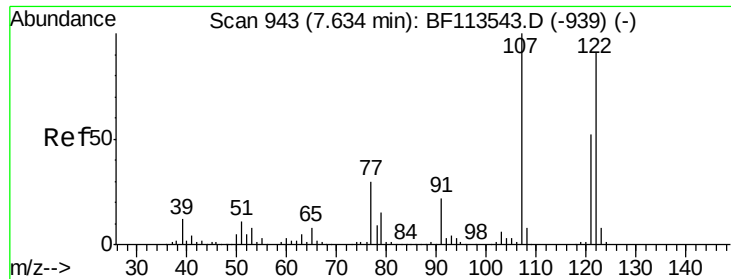
Ion Ratio Lower Upper

139 100

109 25.5 21.7 32.5

65 45.3 41.6 62.4





#27

2,4-Dimethylphenol

Concen: 51.372 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

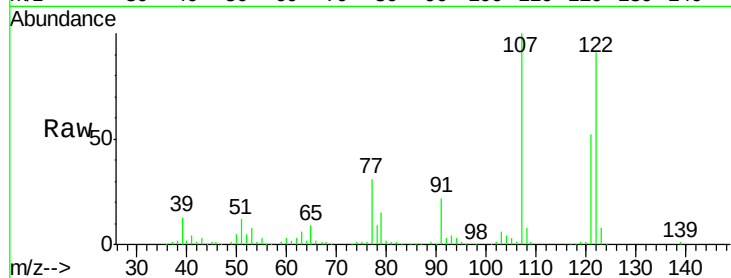
Tot Ion:122 Resp: 292379

Ion Ratio Lower Upper

122 100

107 110.1 88.8 133.2

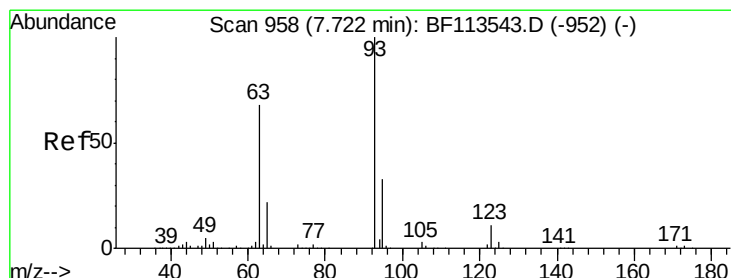
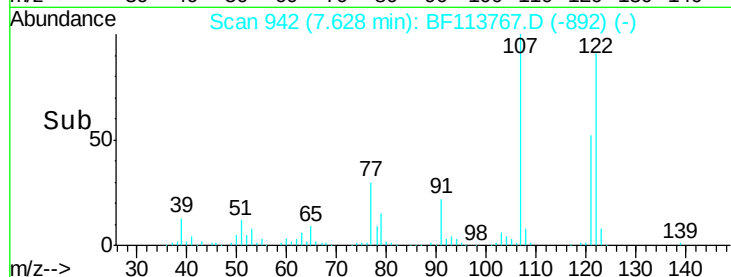
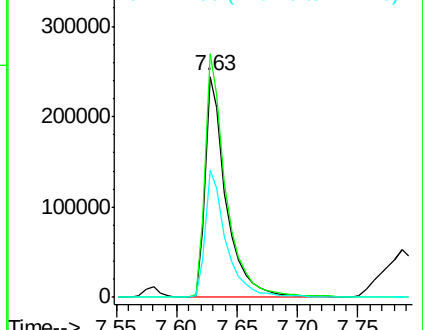
121 57.3 45.5 68.3



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: 45.413 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

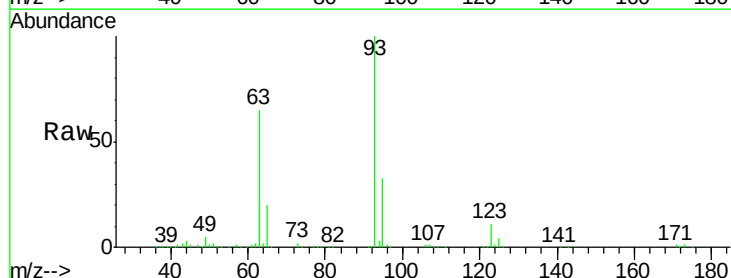
Tgt Ion: 93 Resp: 397261

Ion Ratio Lower Upper

93 100

95 32.7 26.0 39.0

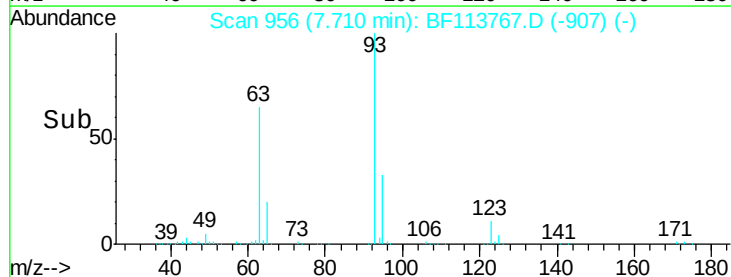
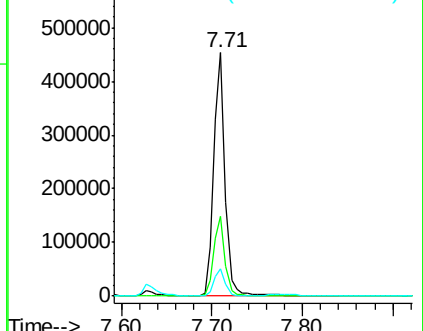
123 11.3 9.1 13.7

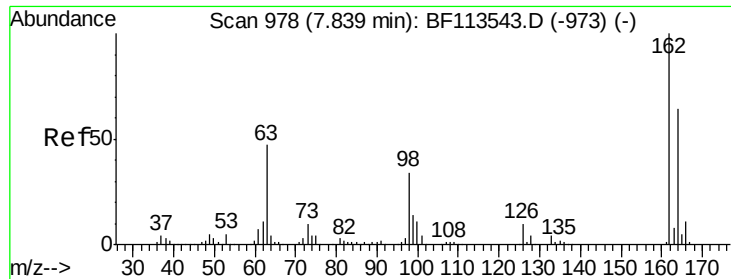


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

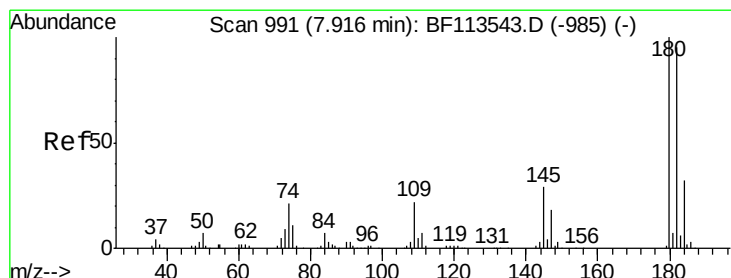
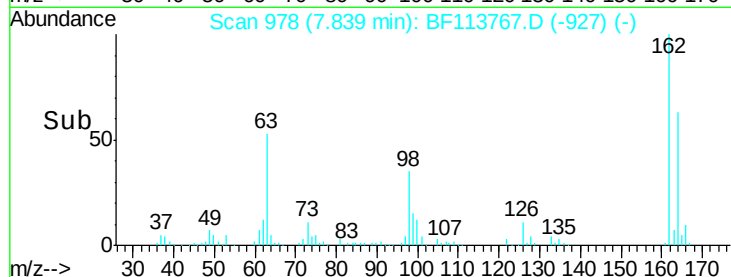
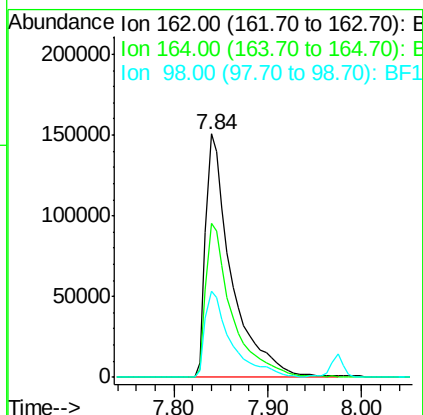
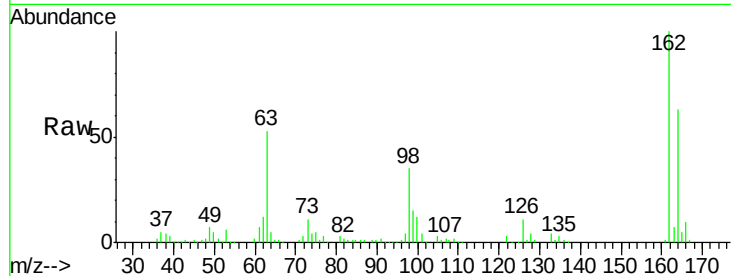




#29  
 2,4-Dichlorophenol  
 Concen: 47.710 ng  
 RT: 7.84 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

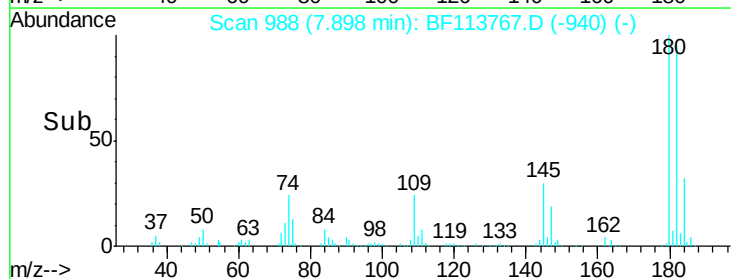
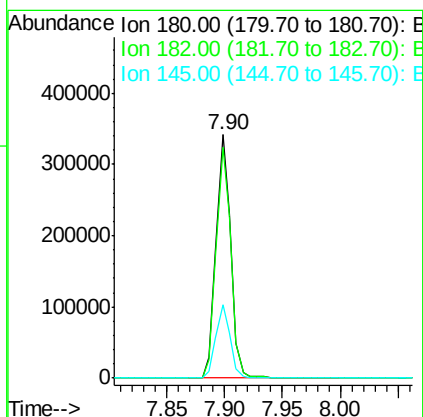
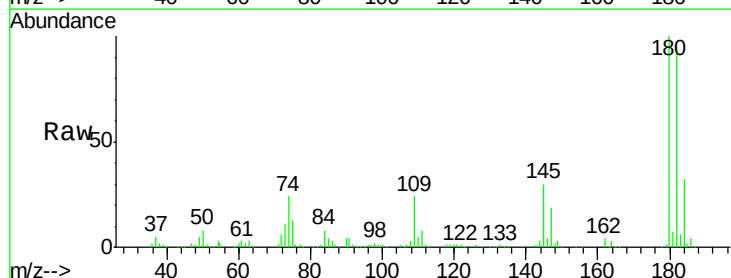
Instrument :  
 BNA\_F  
 ClientSampleId :

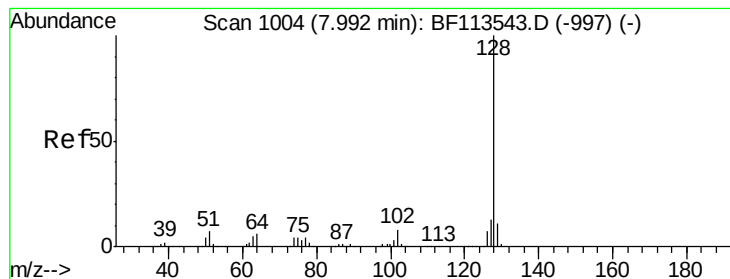
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.0  | 44.6  | 84.6  |
| 98      | 35.3  | 15.6  | 55.6  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.650 ng  
 RT: 7.90 min Scan# 988  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 74.6  | 111.8 |
| 145     | 30.2  | 23.4  | 35.0  |





#31

Naphthalene

Concen: 47.310 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampled :

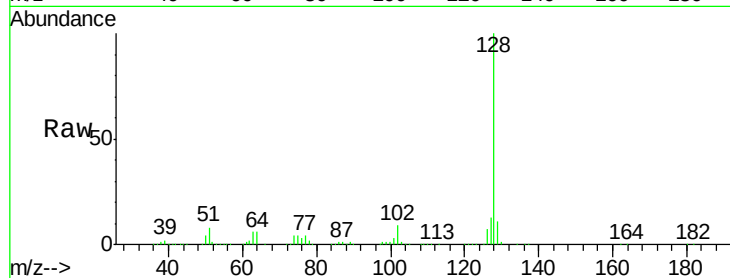
Tot Ion:128 Resp: 964418

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

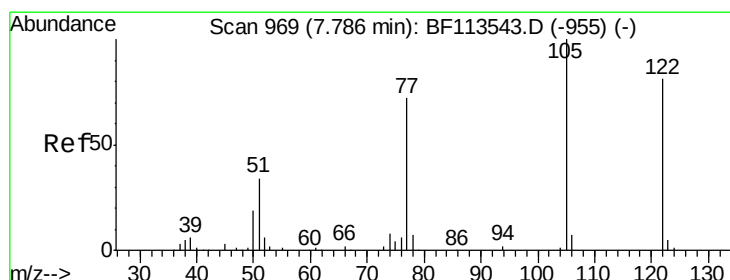
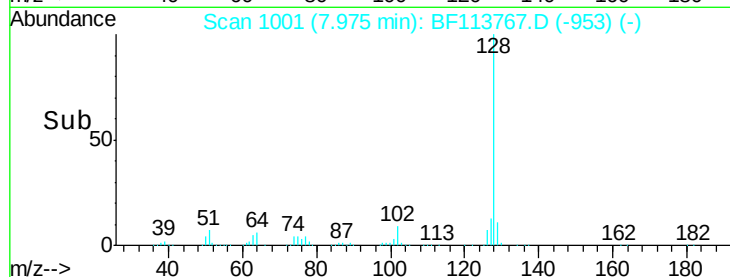
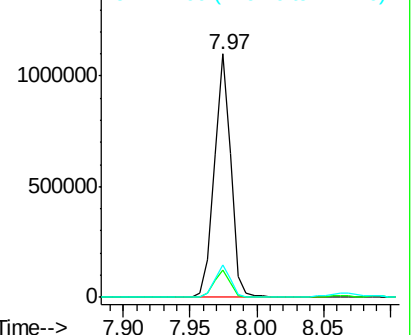
127 13.5 10.9 16.3



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: 24.401 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

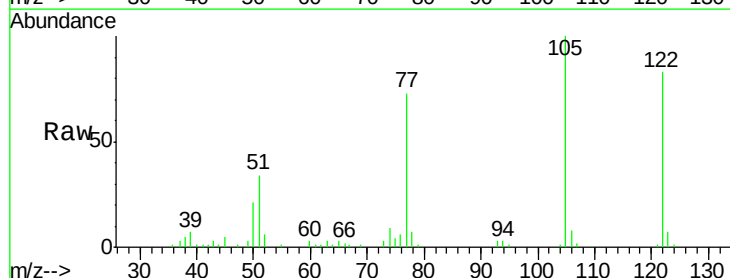
Tgt Ion:122 Resp: 107539

Ion Ratio Lower Upper

122 100

105 120.4 100.4 140.4

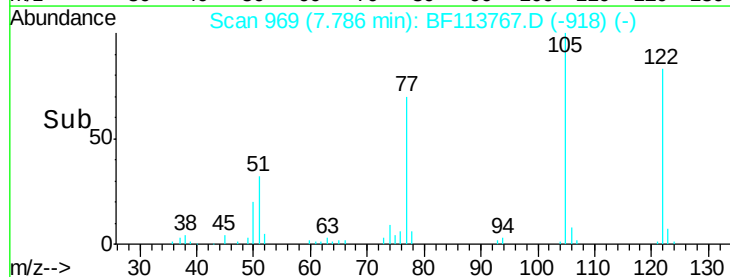
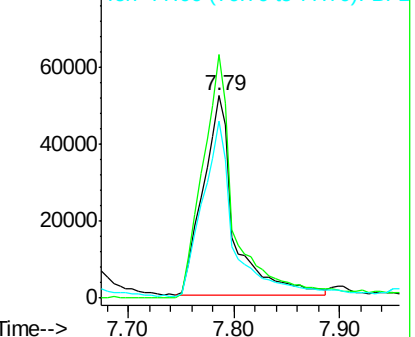
77 87.8 69.0 109.0

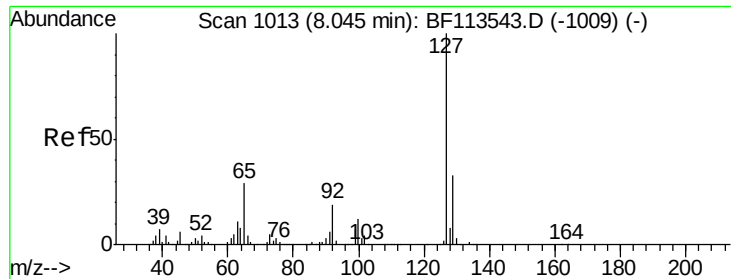


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

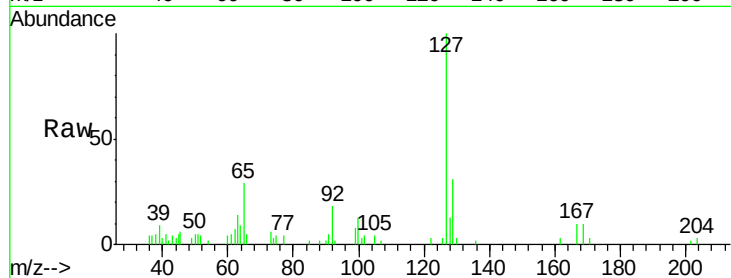




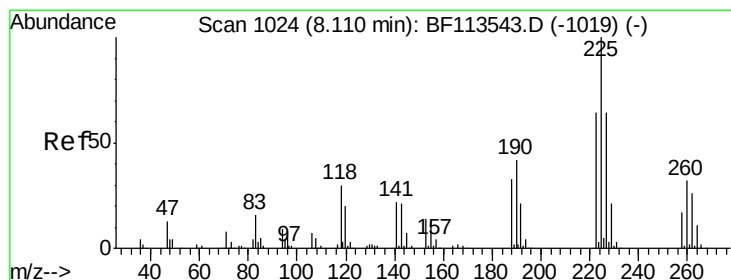
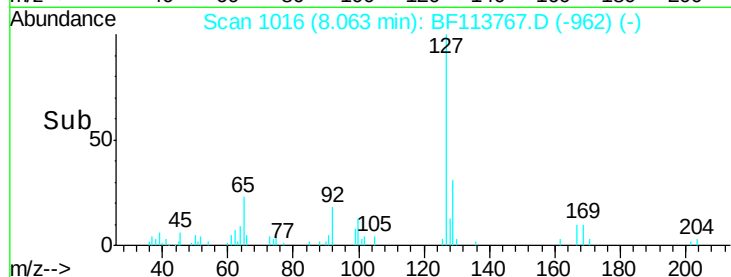
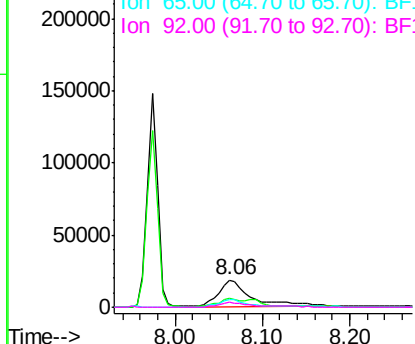
#33  
4-Chloroaniline  
Concen: 6.046 ng  
RT: 8.06 min Scan# 1016  
Delta R.T. 0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 48869 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.9  | 26.3  | 39.5  |
| 65       | 29.0  | 24.2  | 36.4  |
| 92       | 18.4  | 15.0  | 22.6  |

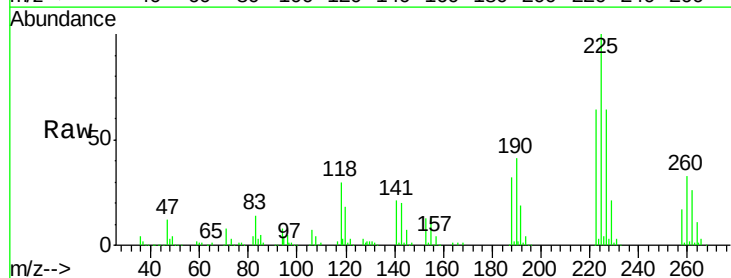


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

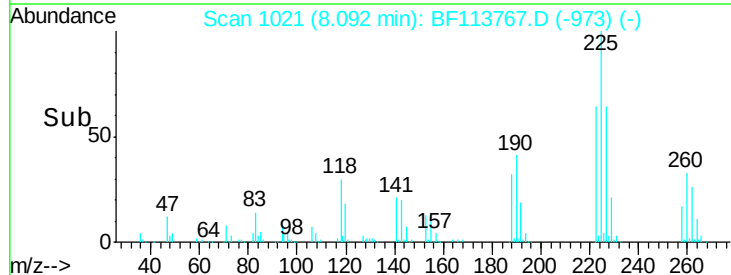
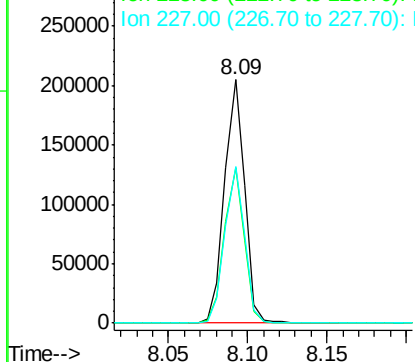


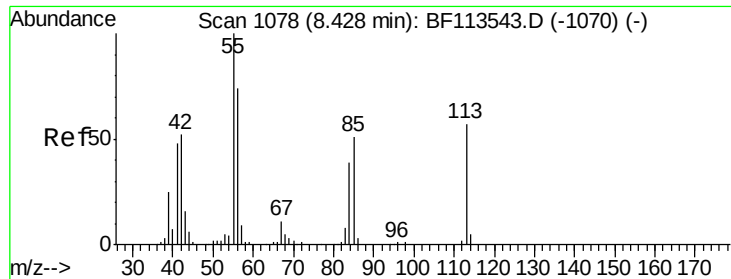
#34  
Hexachlorobutadiene  
Concen: 44.807 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 180648 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.6  | 51.4  | 77.2   |
| 227      | 64.1  | 51.1  | 76.7   |



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

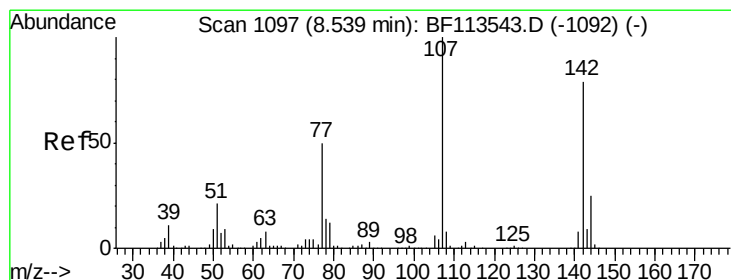
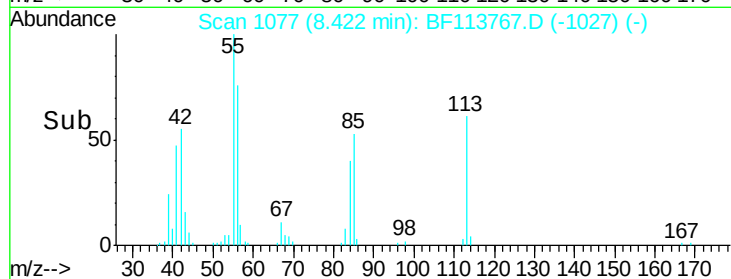
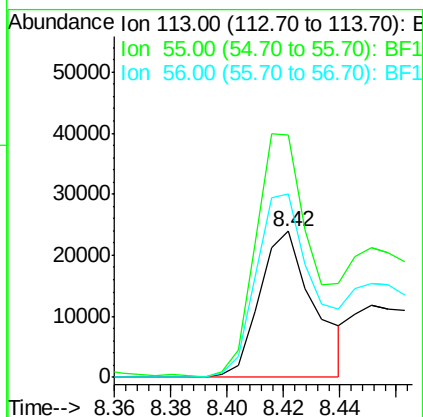
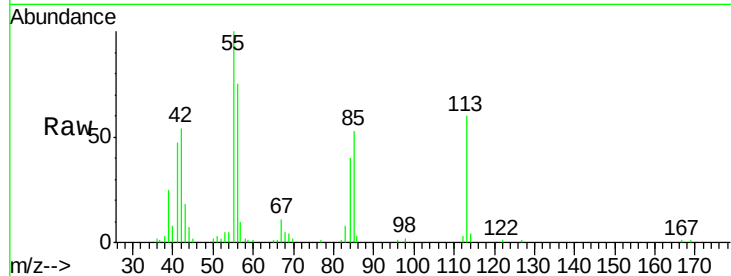




#35  
 Caprolactam  
 Concen: 16.641 ng  
 RT: 8.42 min Scan# 1077  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

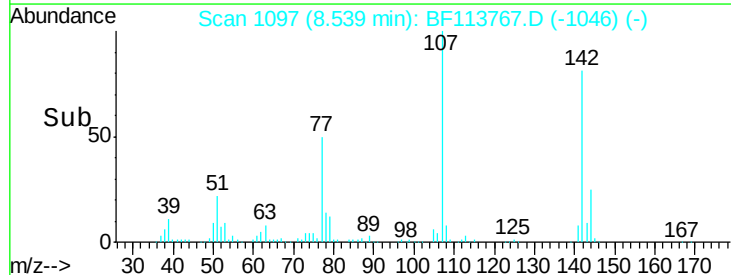
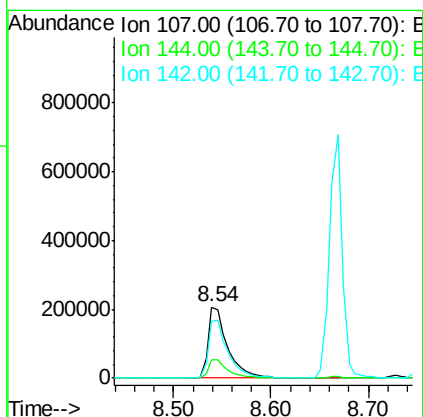
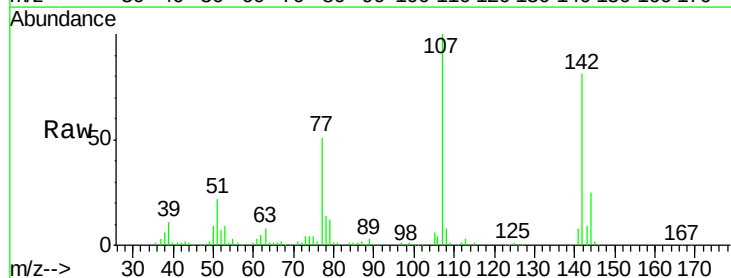
Instrument :  
 BNA\_F  
 ClientSampled :

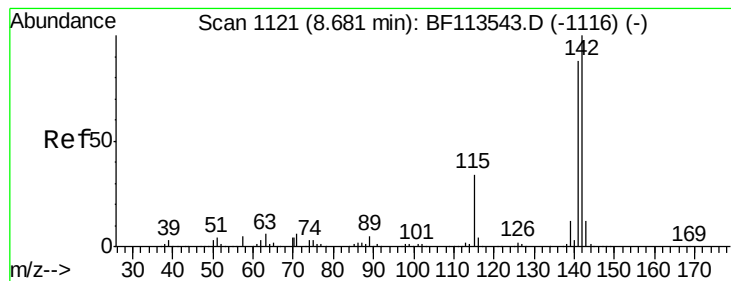
Tot Ion:113 Resp: 32168  
 Ion Ratio Lower Upper  
 113 100  
 55 166.0 152.7 192.7  
 56 125.1 108.3 148.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.616 ng  
 RT: 8.54 min Scan# 1097  
 Delta R.T. -0.00 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Tgt Ion:107 Resp: 284958  
 Ion Ratio Lower Upper  
 107 100  
 144 25.4 21.4 32.0  
 142 80.7 65.6 98.4





#37

2-Methylnaphthalene

Concen: 48.364 ng

RT: 8.67 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

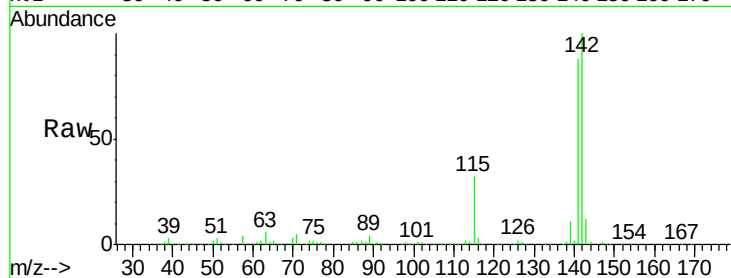
Tot Ion:142 Resp: 648431

Ion Ratio Lower Upper

142 100

141 87.8 71.0 106.6

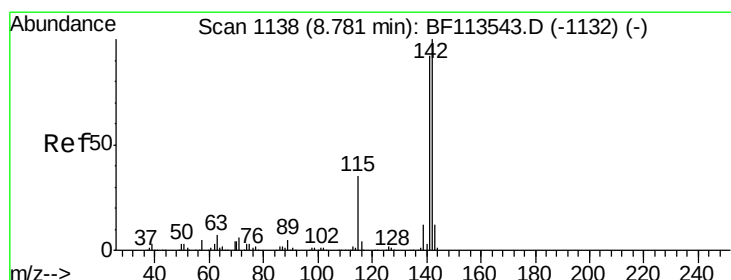
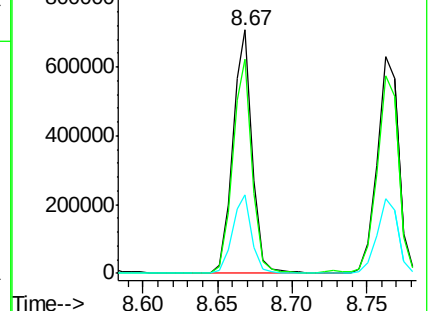
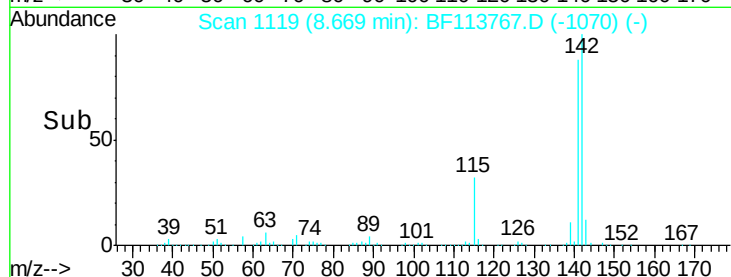
115 32.0 26.6 39.8



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: 47.565 ng

RT: 8.76 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

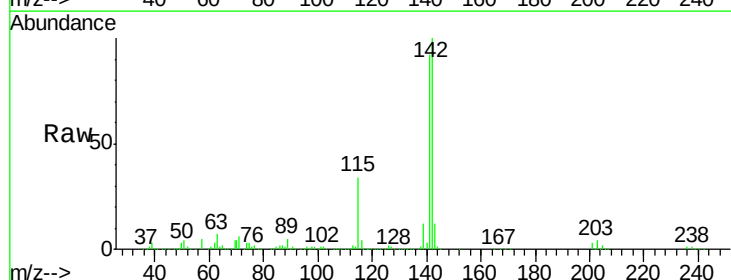
Tgt Ion:142 Resp: 614927

Ion Ratio Lower Upper

142 100

141 91.7 73.2 109.8

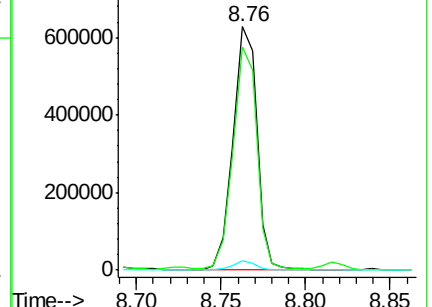
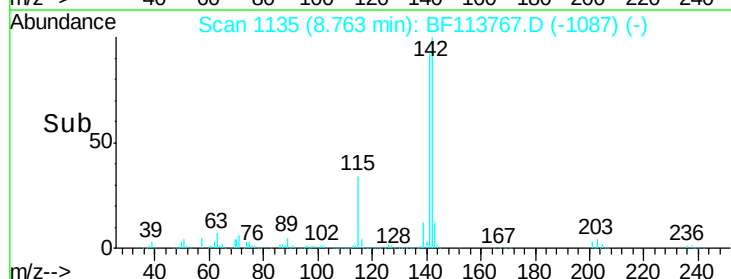
116 3.6 3.0 4.4

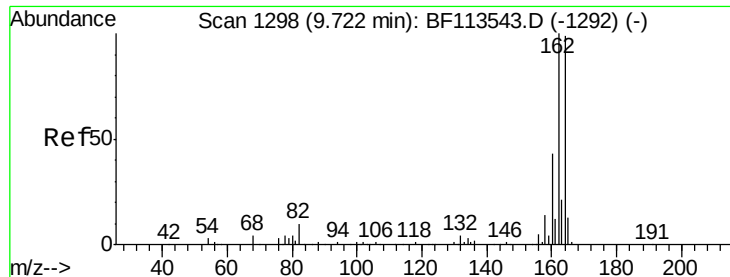


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

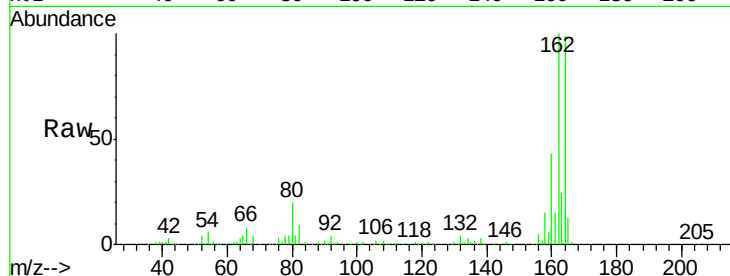
Tot Ion:164 Resp: 204959

Ion Ratio Lower Upper

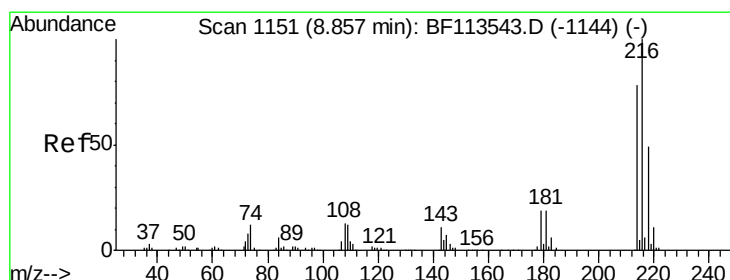
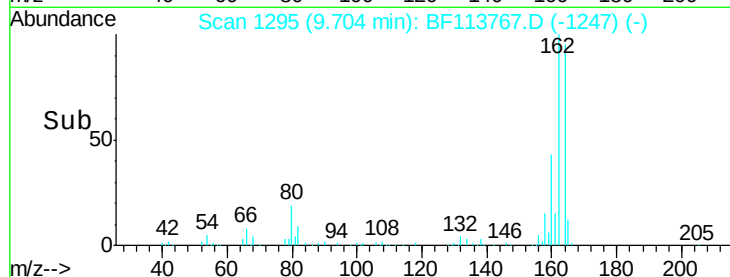
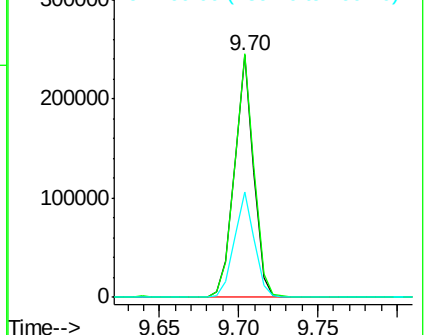
164 100

162 100.5 81.8 122.6

160 43.3 36.4 54.6



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: 47.323 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Tgt Ion:216 Resp: 313682

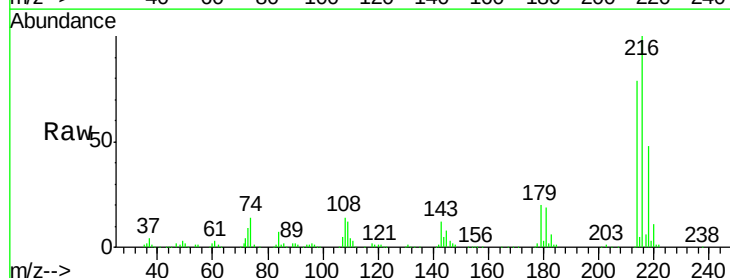
Ion Ratio Lower Upper

216 100

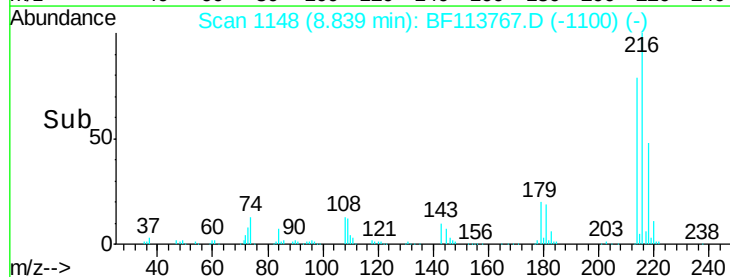
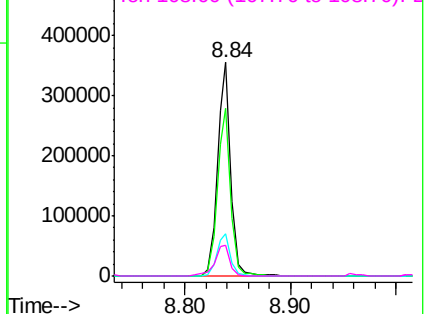
214 79.0 63.0 94.6

179 20.3 16.8 25.2

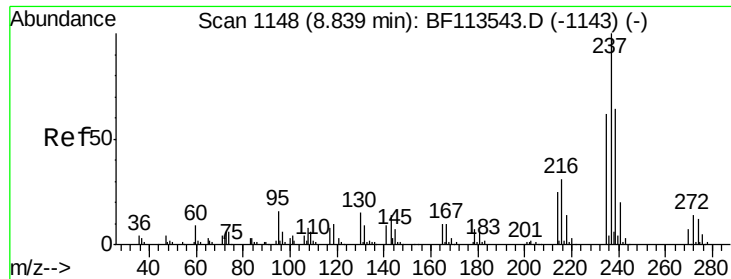
108 16.8 13.8 20.6



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: 61.541 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

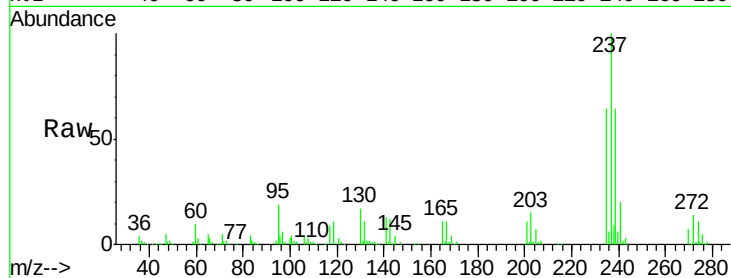
Tot Ion:237 Resp: 134104

Ion Ratio Lower Upper

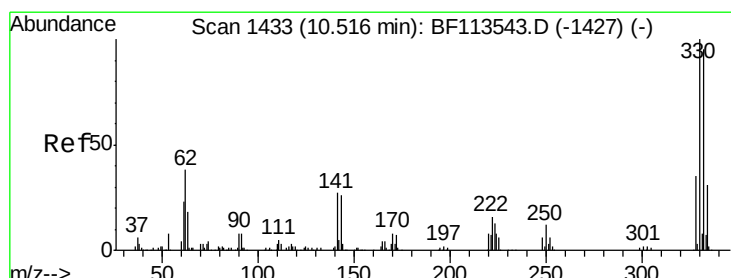
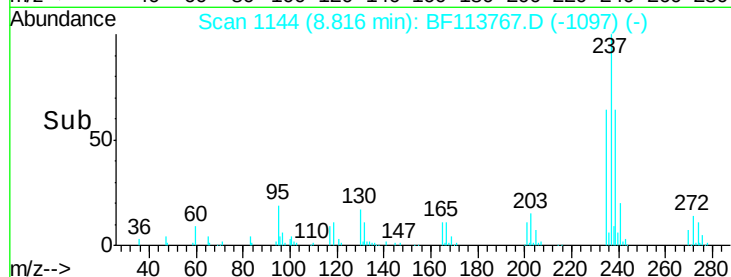
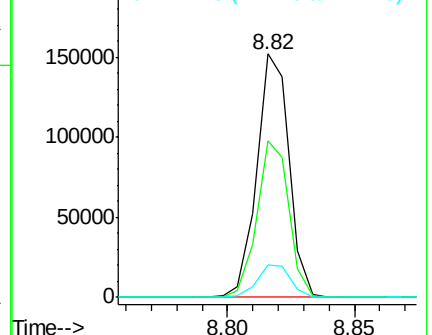
237 100

235 64.4 43.4 83.4

272 13.5 0.0 33.7



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: 130.380 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

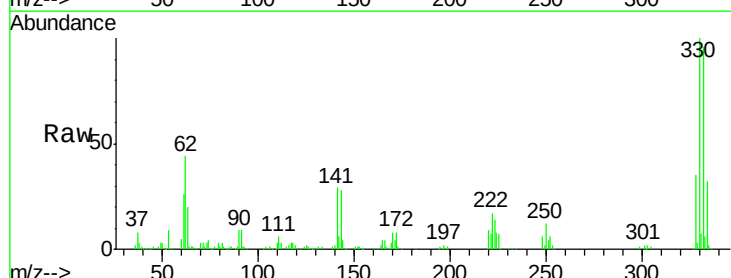
Tgt Ion:330 Resp: 321003

Ion Ratio Lower Upper

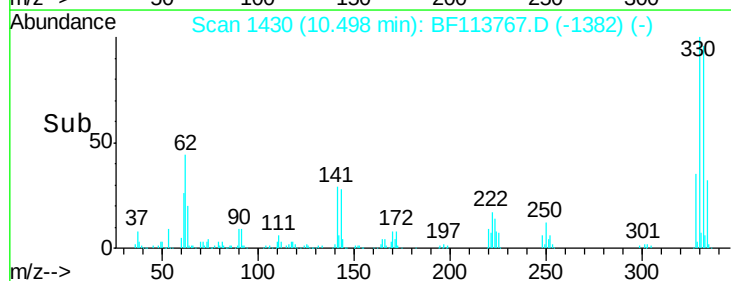
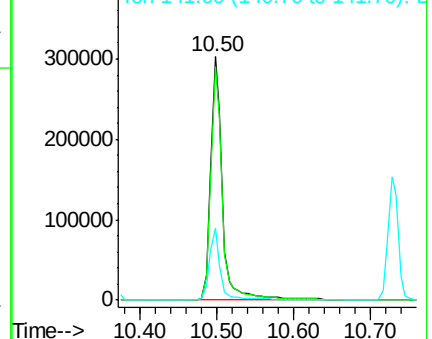
330 100

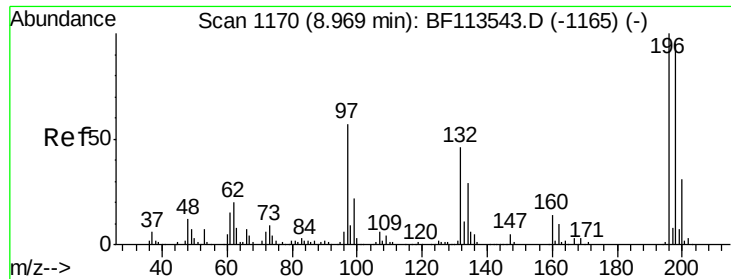
332 95.4 77.8 116.6

141 26.7 22.7 34.1



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

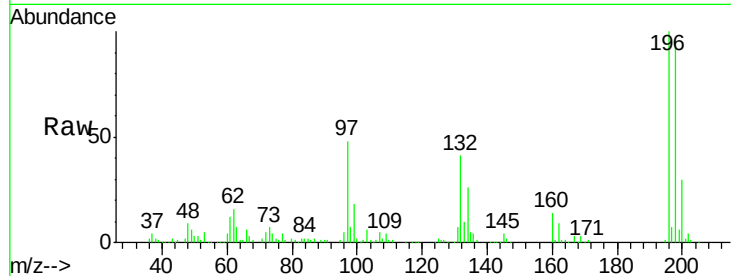




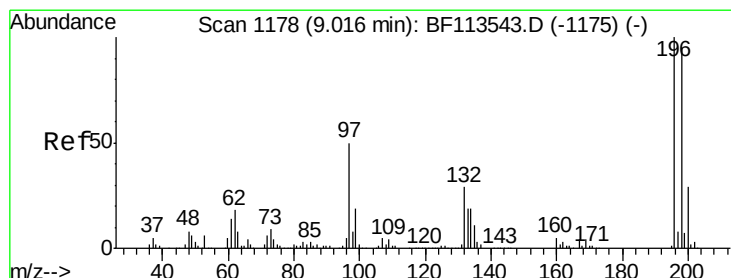
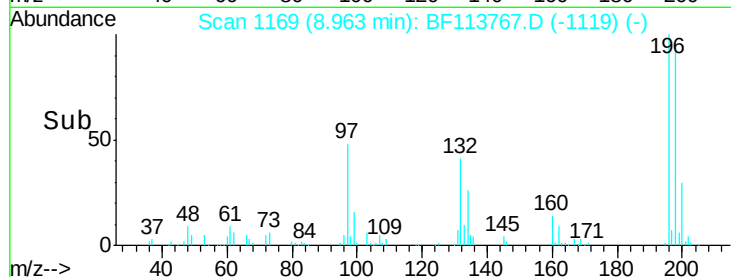
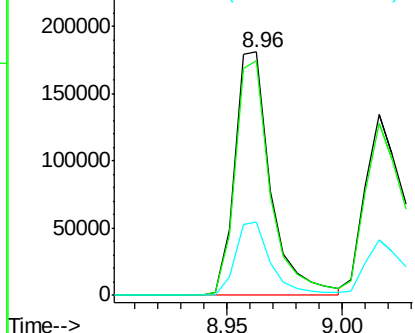
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.073 ng  
 RT: 8.96 min Scan# 1169  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 196   | Resp  | 196957 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 96.2  | 77.7  | 116.5  |
| 200       | 30.2  | 24.9  | 37.3   |



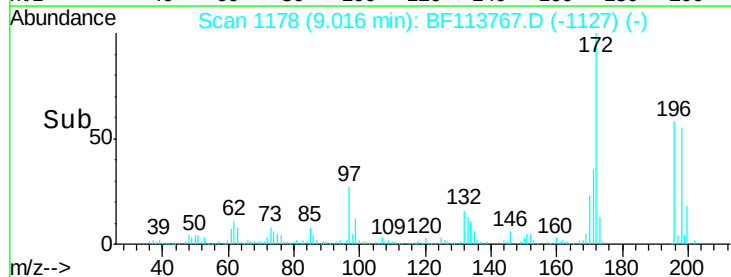
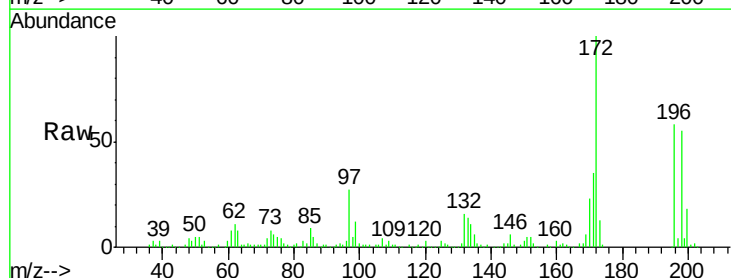
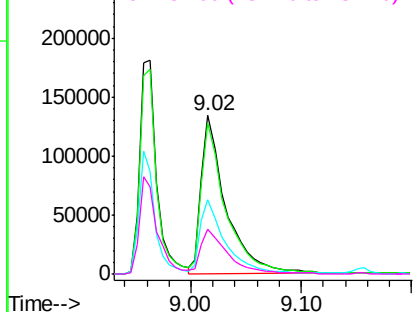
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

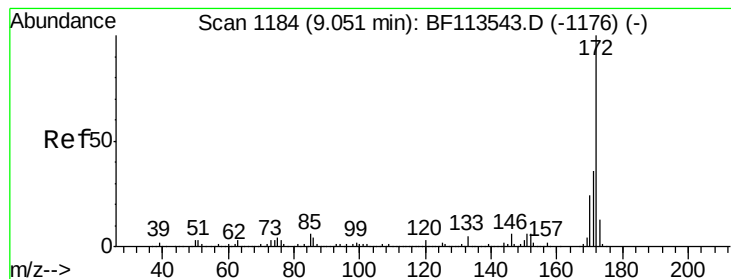


#44  
 2,4,5-Trichlorophenol  
 Concen: 45.085 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.00 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

| Tgt Ion   | 196   | Resp  | 202520 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.2  | 75.4  | 113.2  |
| 97        | 47.1  | 38.6  | 58.0   |
| 132       | 28.5  | 22.9  | 34.3   |

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

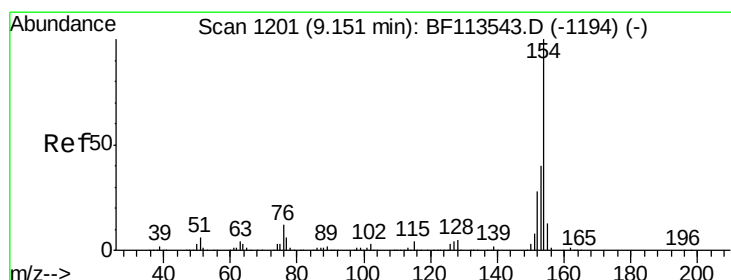
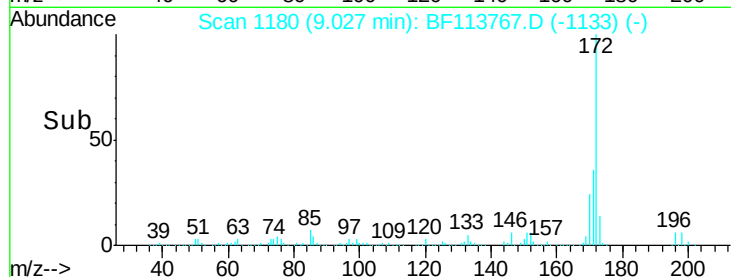
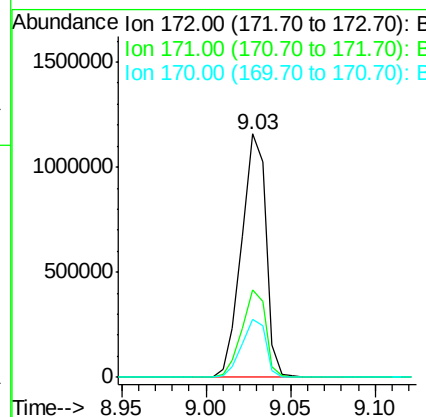
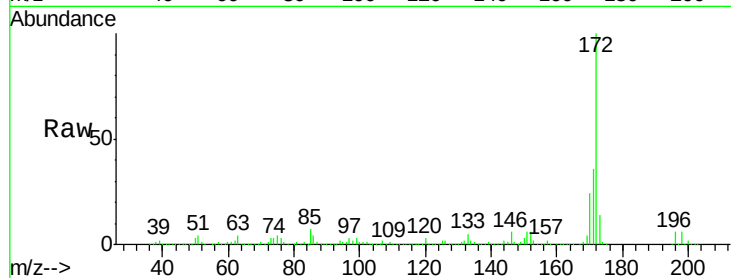




#45  
2-Fluorobiphenyl  
Concen: 92.026 ng  
RT: 9.03 min Scan# 1180  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

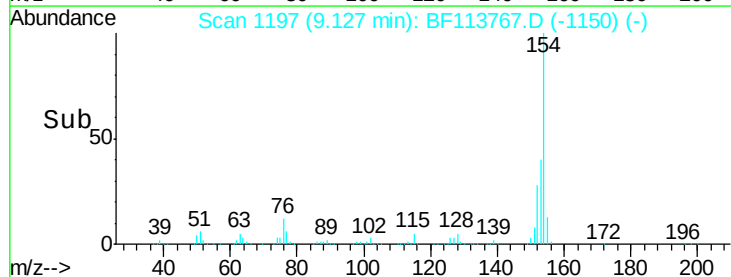
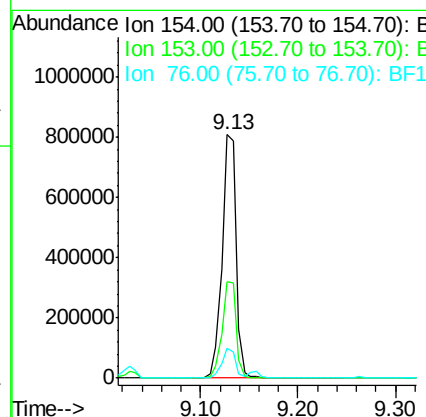
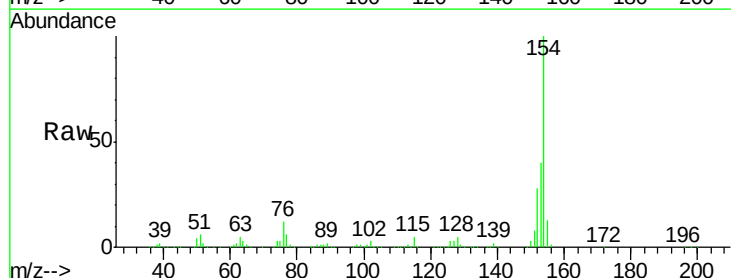
Instrument :  
BNA\_F  
ClientSampleId :

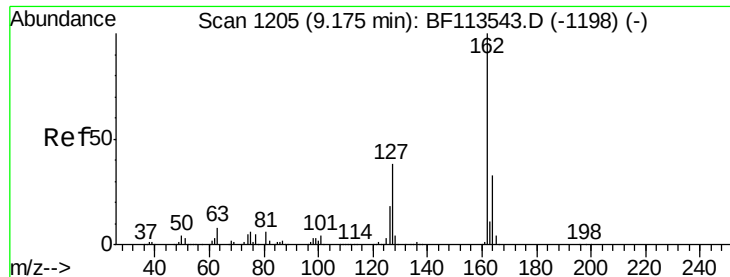
Tot Ion:172 Resp: 1171608  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.0 43.6  
170 24.1 19.5 29.3



#46  
1,1'-Biphenyl  
Concen: 47.862 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion:154 Resp: 809489  
Ion Ratio Lower Upper  
154 100  
153 39.9 20.8 60.8  
76 12.4 0.0 31.9

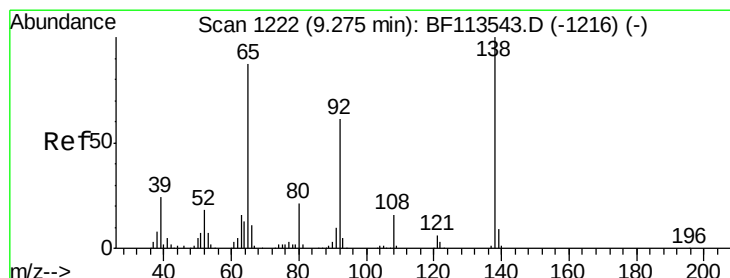
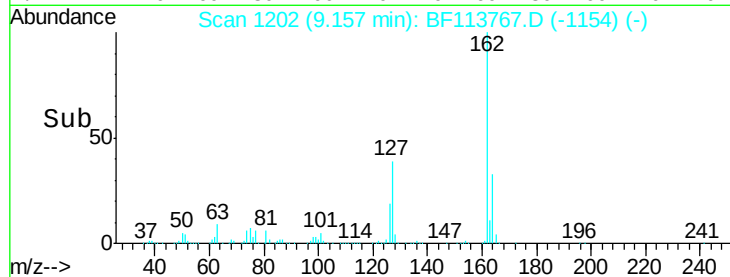
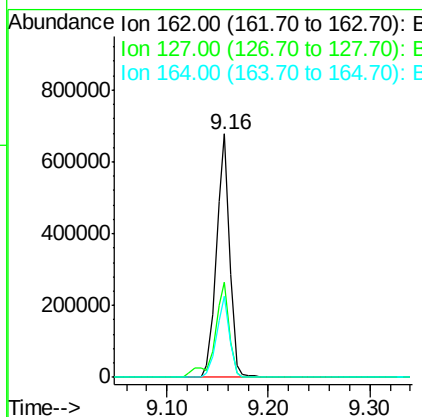
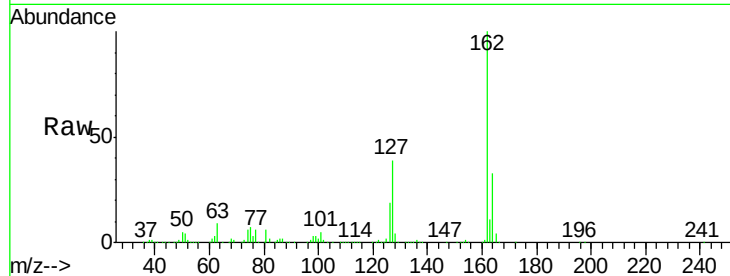




#47  
 2-Chloronaphthalene  
 Concen: 47.498 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

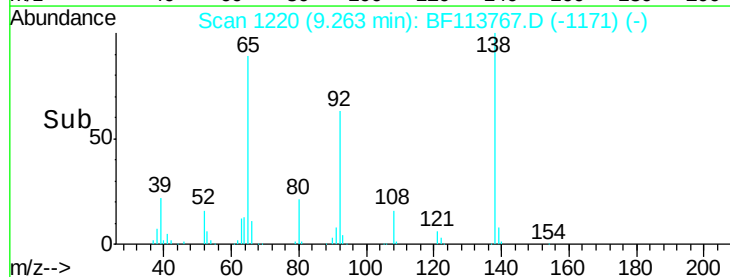
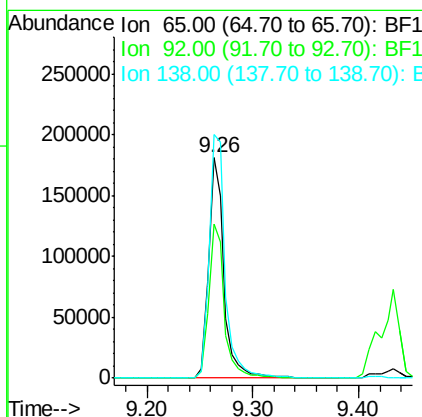
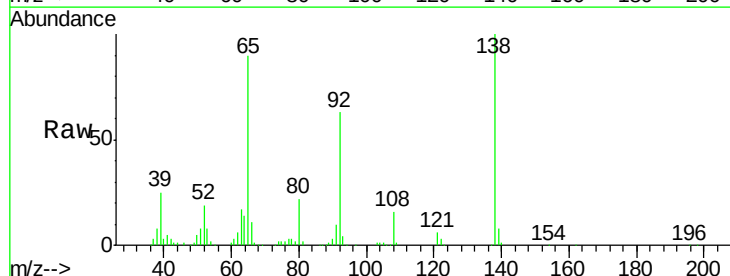
Instrument :  
 BNA\_F  
 ClientSampleId :

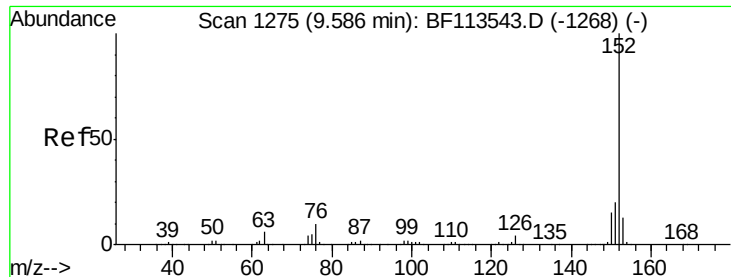
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.0  | 32.6  | 49.0  |
| 164     | 33.2  | 26.6  | 39.8  |



#48  
 2-Nitroaniline  
 Concen: 46.945 ng  
 RT: 9.26 min Scan# 1220  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 69.9  | 56.8  | 85.2  |
| 138     | 110.6 | 92.3  | 138.5 |





#49

Acenaphthylene

Concen: 46.304 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampled :

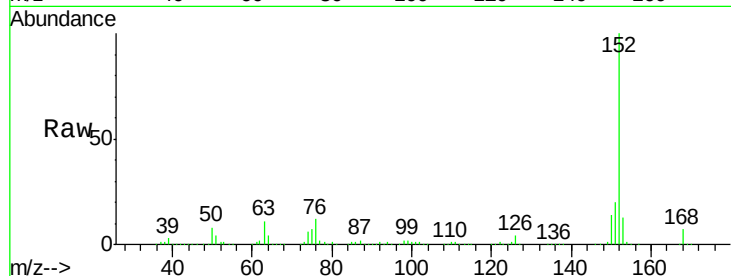
Tot Ion:152 Resp: 964196

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

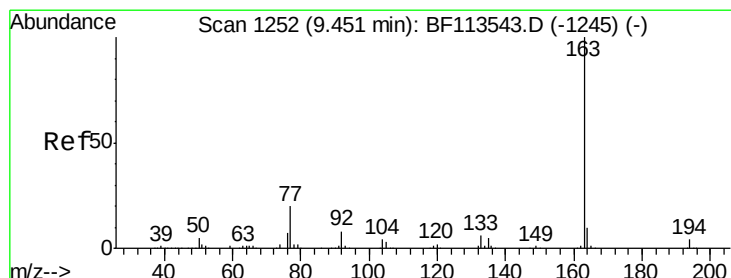
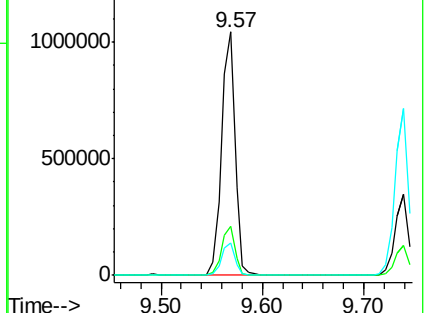
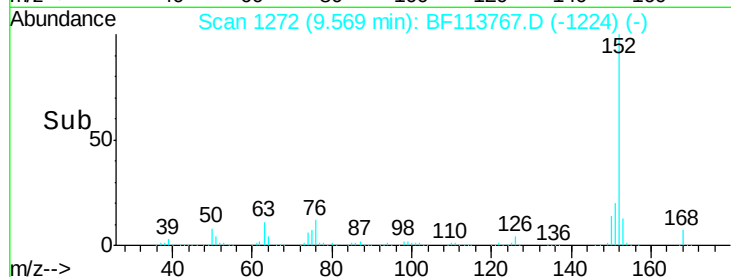
153 13.3 11.0 16.6



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: 46.275 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

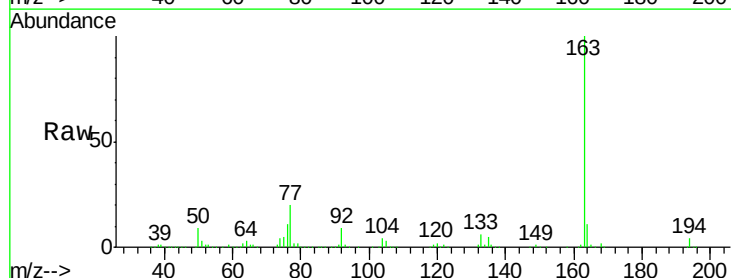
Tgt Ion:163 Resp: 699126

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

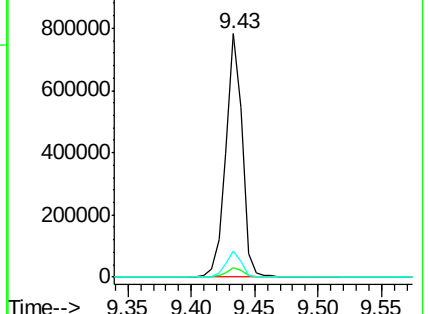
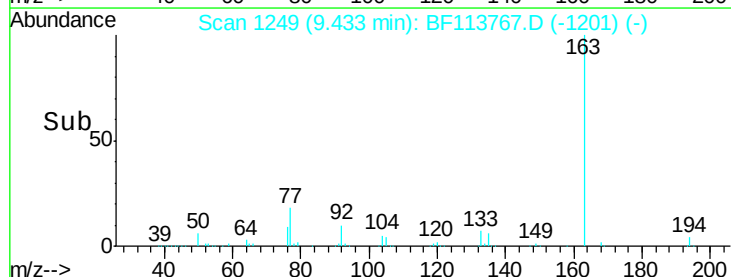
164 10.6 8.1 12.1

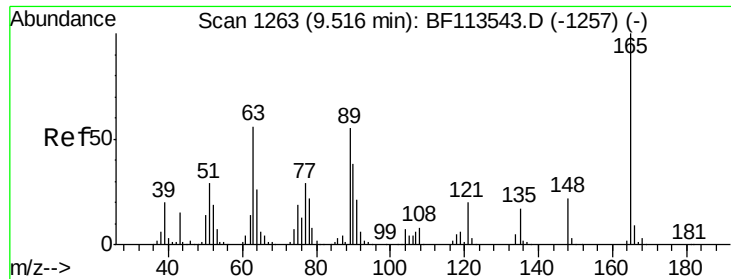


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 47.275 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

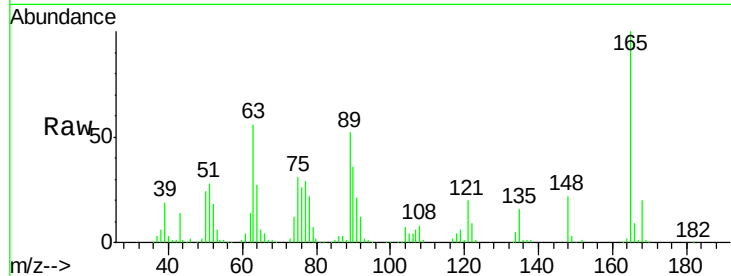
Tot Ion:165 Resp: 157440

Ion Ratio Lower Upper

165 100

63 56.0 43.4 65.0

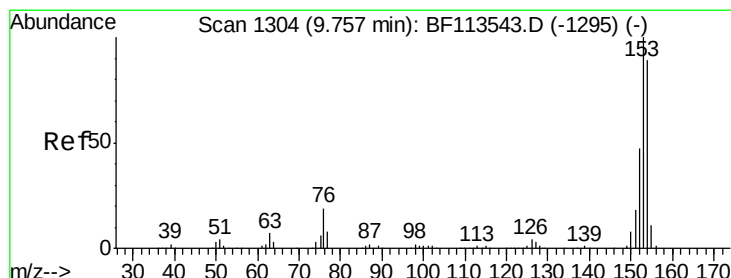
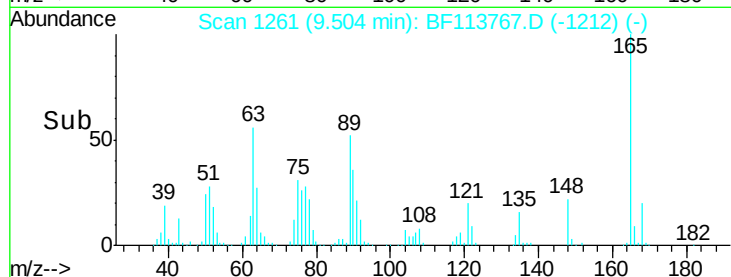
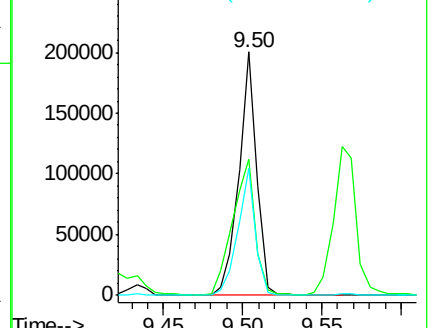
89 52.4 43.1 64.7



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: 48.058 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

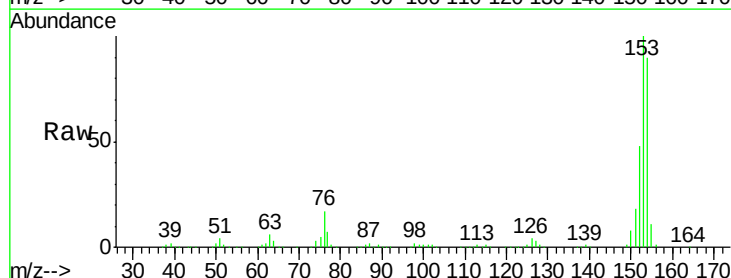
Tgt Ion:154 Resp: 572840

Ion Ratio Lower Upper

154 100

153 111.3 89.5 134.3

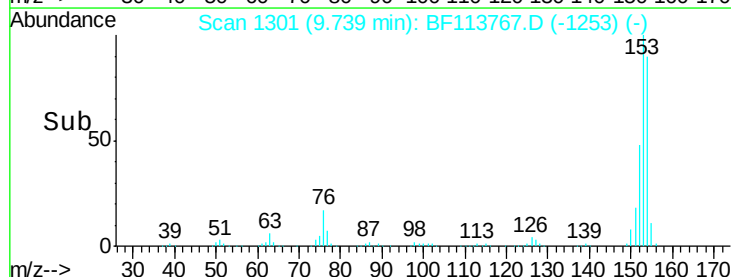
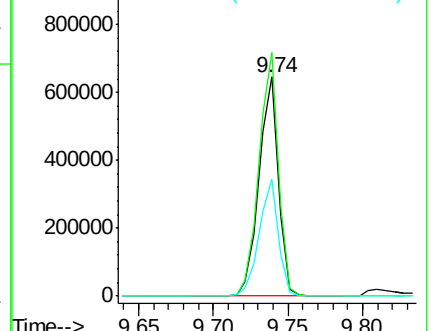
152 53.7 43.3 64.9

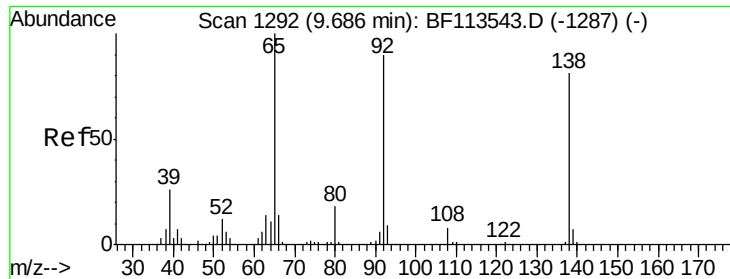


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

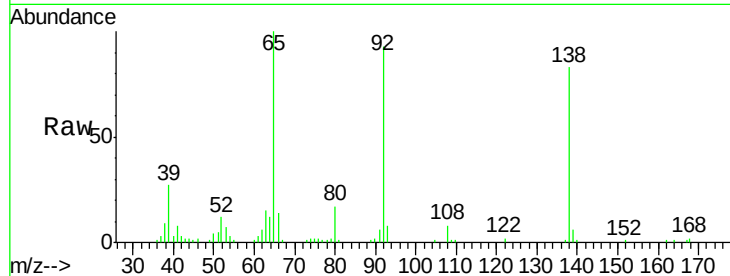




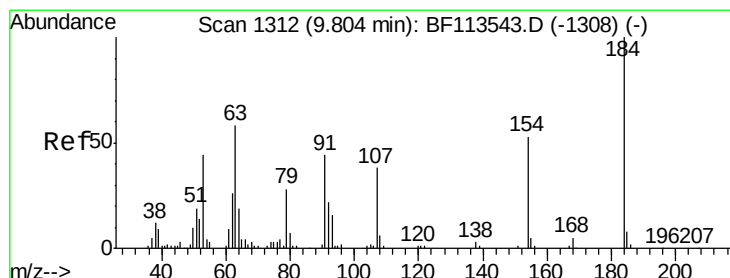
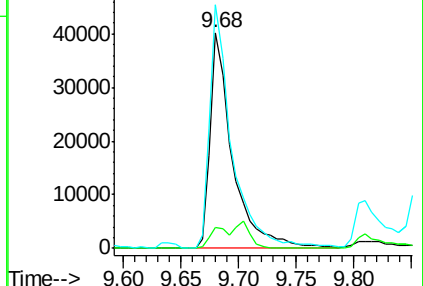
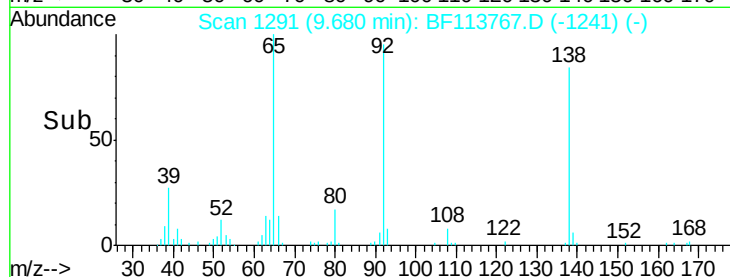
#53  
3-Nitroaniline  
Concen: 14.338 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 54290  
Ion Ratio Lower Upper  
138 100  
108 9.5 7.8 11.6  
92 112.8 82.6 124.0

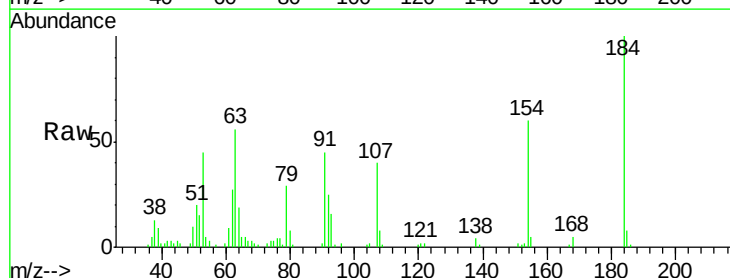


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

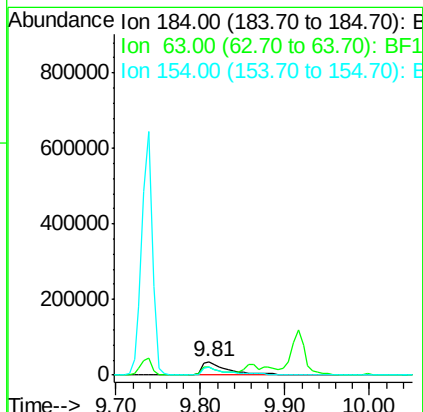
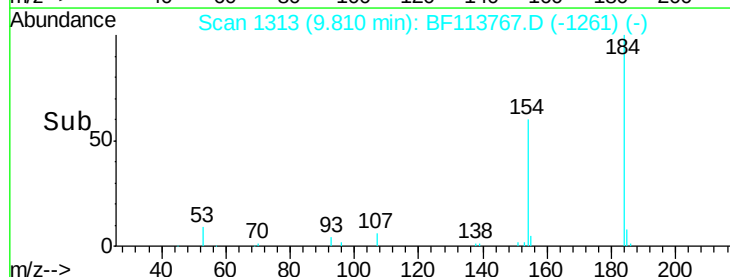


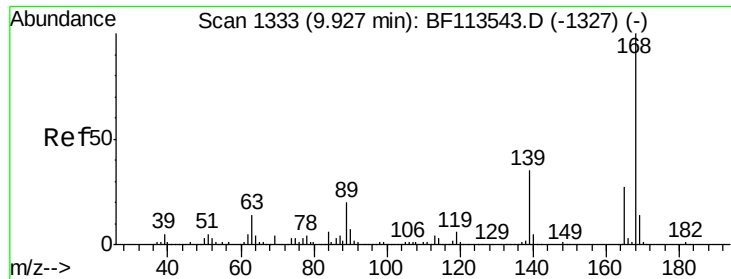
#54  
2,4-Dinitrophenol  
Concen: 49.811 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. 0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion:184 Resp: 77608  
Ion Ratio Lower Upper  
184 100  
63 56.1 54.3 81.5  
154 60.2 48.4 72.6



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

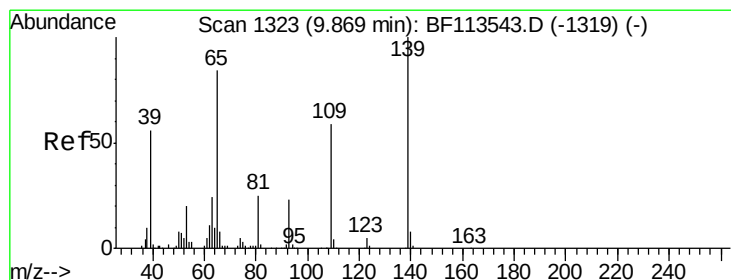
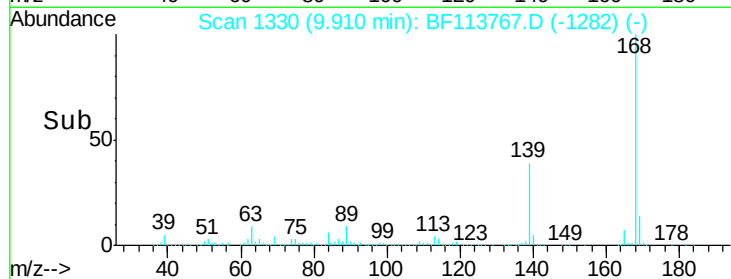
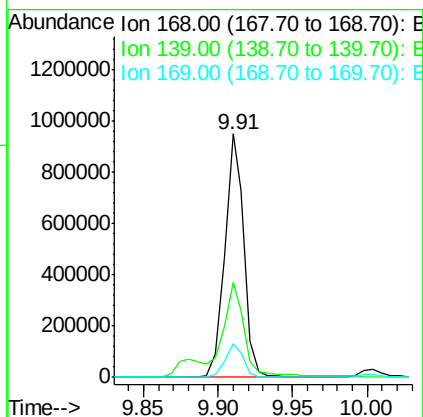
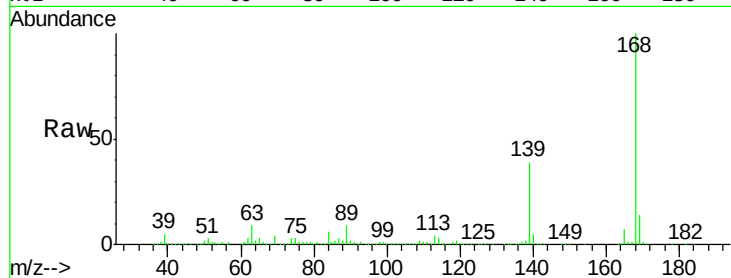




#55  
Dibenzofuran  
Concen: 49.060 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

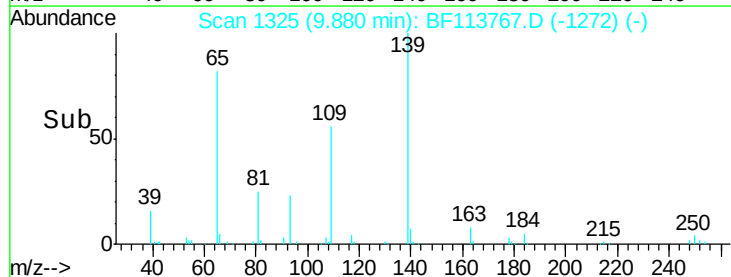
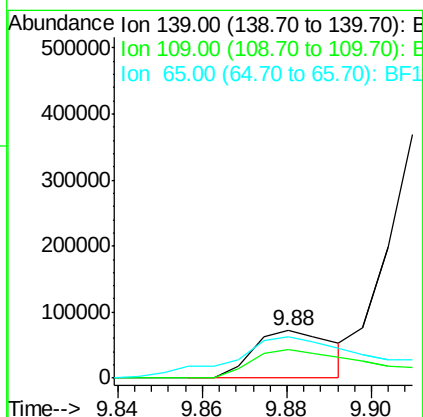
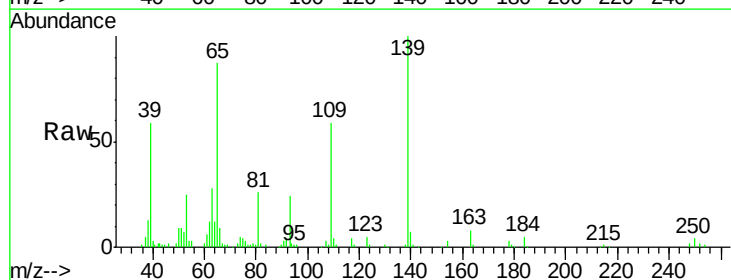
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 857818  
Ion Ratio Lower Upper  
168 100  
139 38.9 29.7 44.5  
169 13.9 10.7 16.1

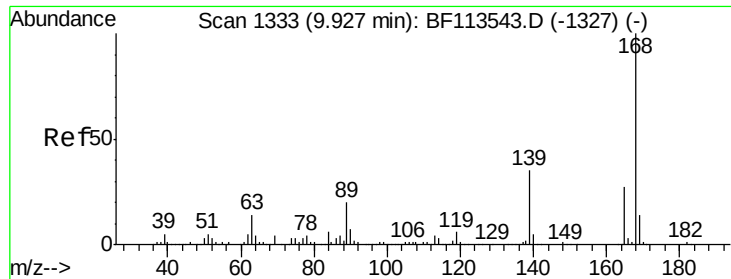


#56  
4-Nitrophenol  
Concen: 40.396 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. 0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion:139 Resp: 94881  
Ion Ratio Lower Upper  
139 100  
109 59.4 46.9 86.9  
65 87.0 77.2 117.2



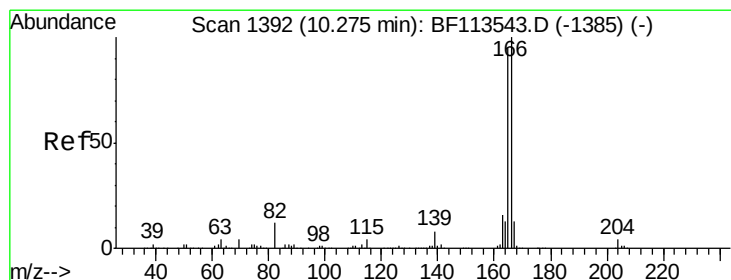
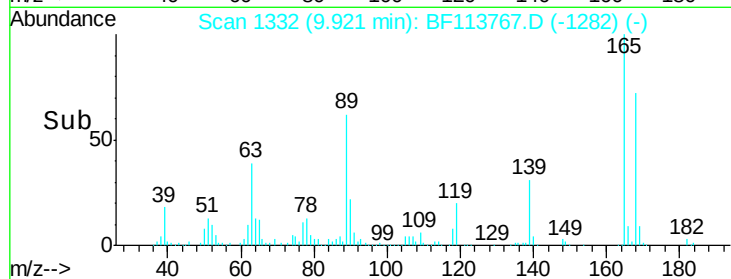
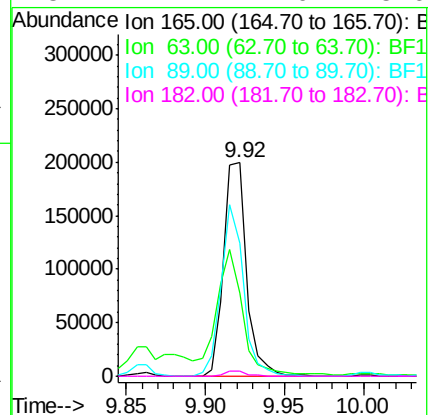
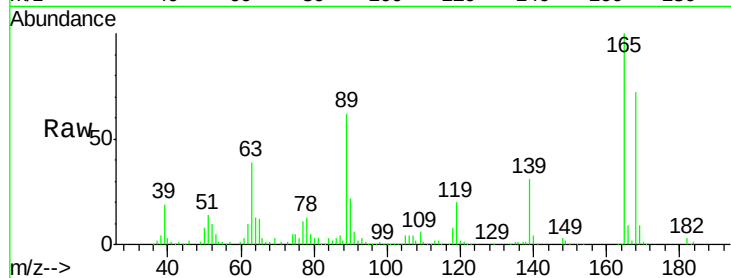




#57  
2,4-Dinitrotoluene  
Concen: 50.261 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

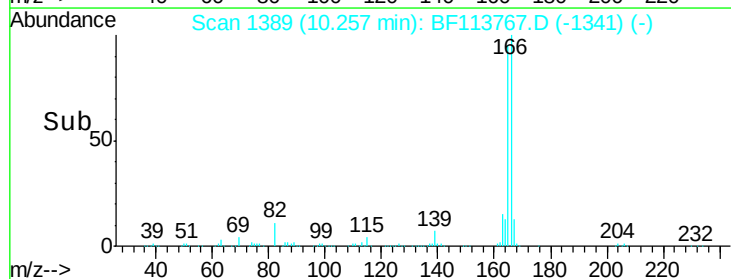
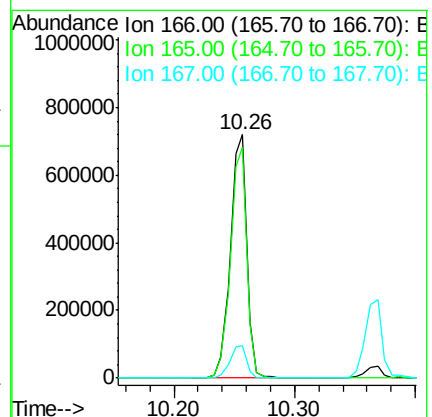
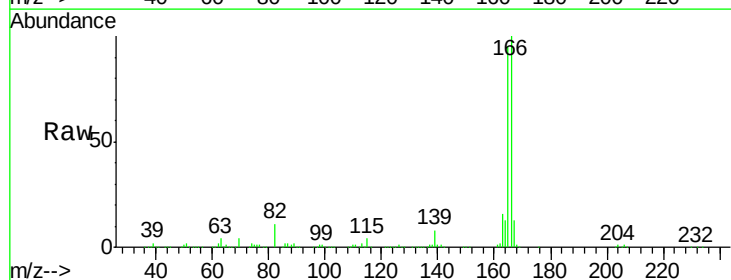
Instrument :  
BNA\_F  
ClientSampleId :

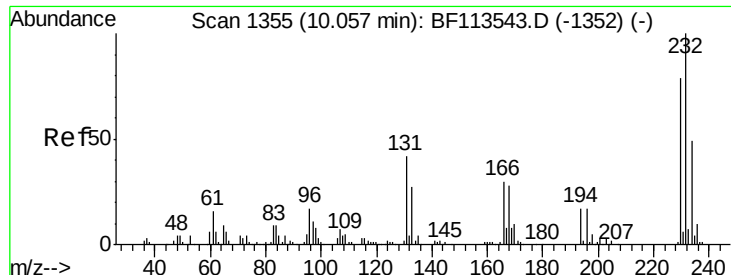
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 38.9  | 37.5  | 56.3  |
| 89      | 62.1  | 57.4  | 86.2  |
| 182     | 2.7   | 2.0   | 3.0   |



#58  
Fluorene  
Concen: 49.028 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 94.8  | 76.2  | 114.2 |
| 167     | 13.4  | 10.7  | 16.1  |

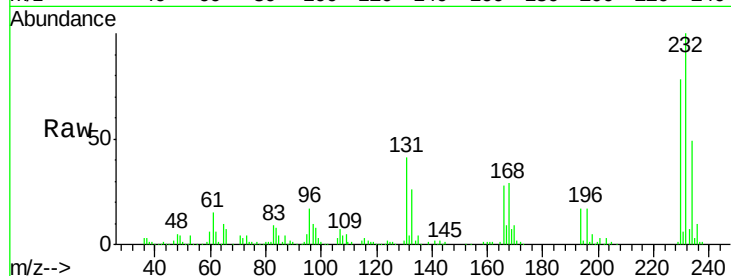




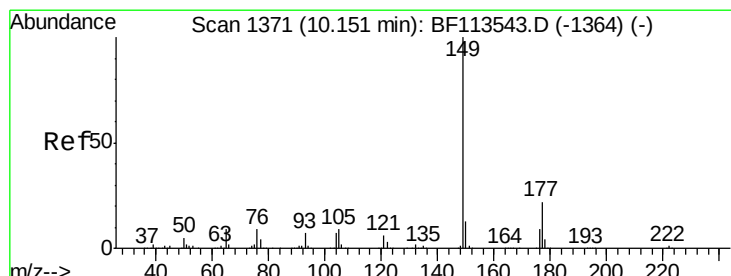
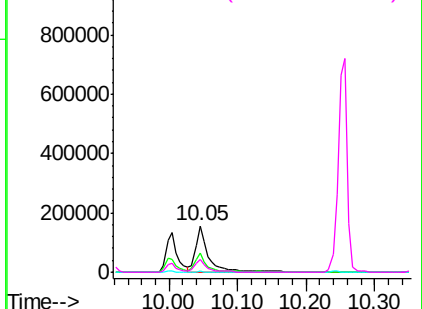
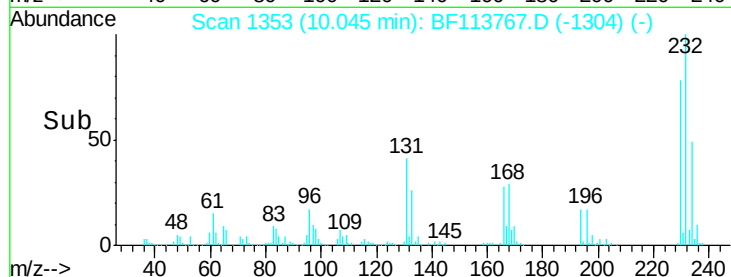
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 51.768 ng  
 RT: 10.05 min Scan# 1353  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 201286 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 35.8  | 33.2  | 49.8   |
| 130      | 1.9   | 1.6   | 2.4    |
| 166      | 24.6  | 21.0  | 31.6   |

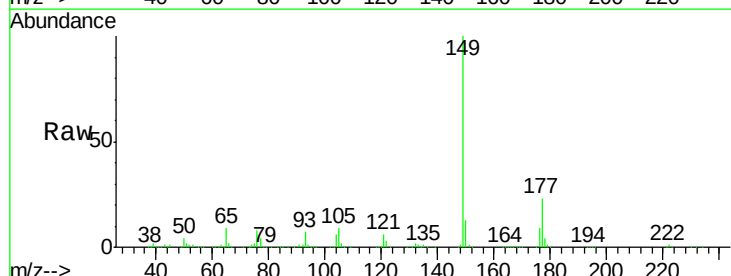


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

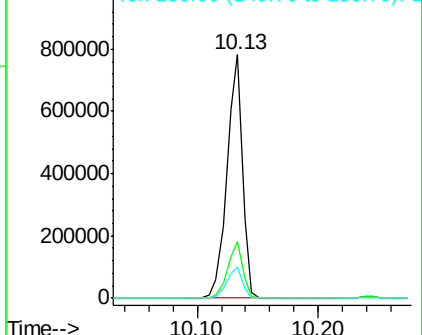
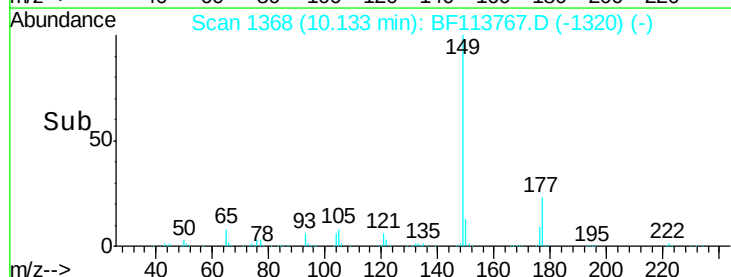


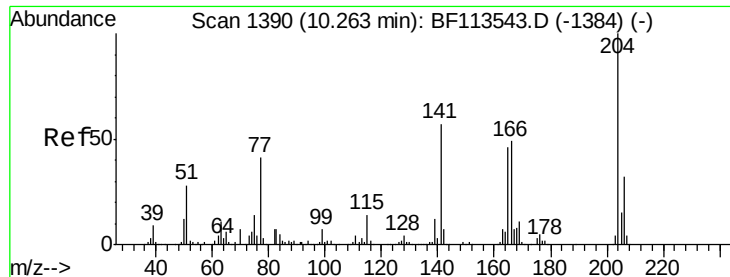
#60  
 Diethylphthalate  
 Concen: 47.693 ng  
 RT: 10.13 min Scan# 1368  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 694713 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 23.1  | 17.4  | 26.0   |
| 150      | 12.7  | 10.0  | 15.0   |



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

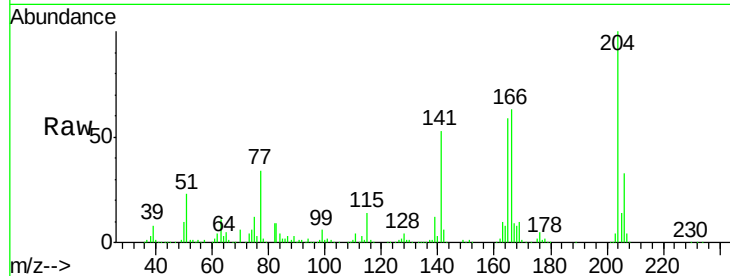




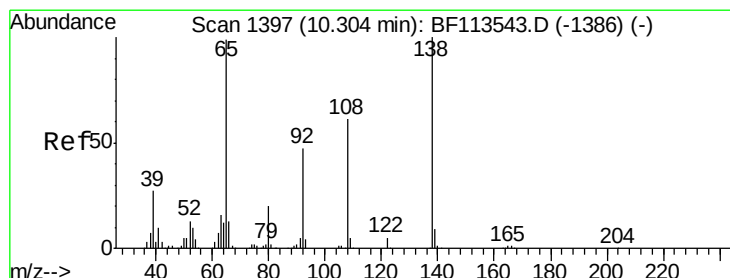
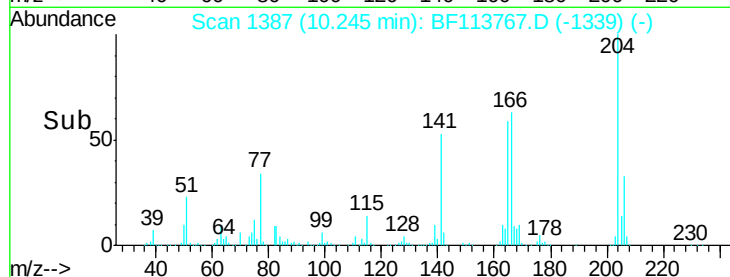
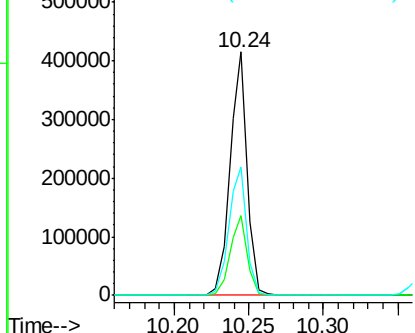
#61  
4-Chlorophenyl-phenylether  
Concen: 49.554 ng  
RT: 10.24 min Scan# 1387  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:204 Resp: 337072  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.9 40.3  
141 52.8 48.8 73.2

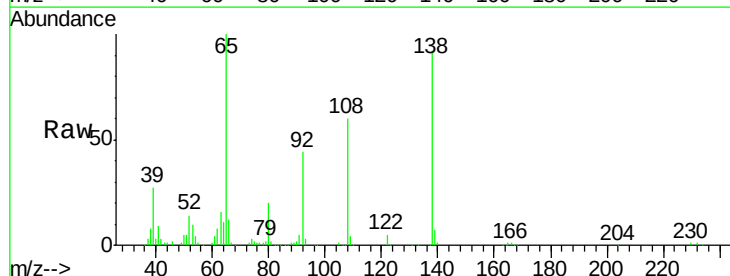


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

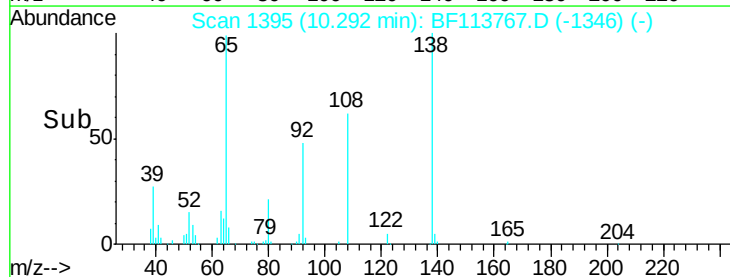
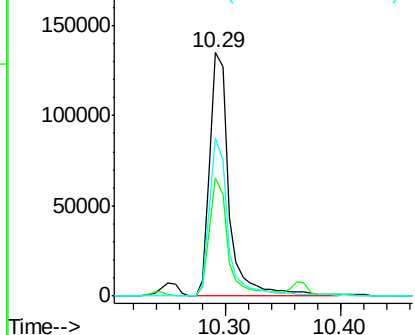


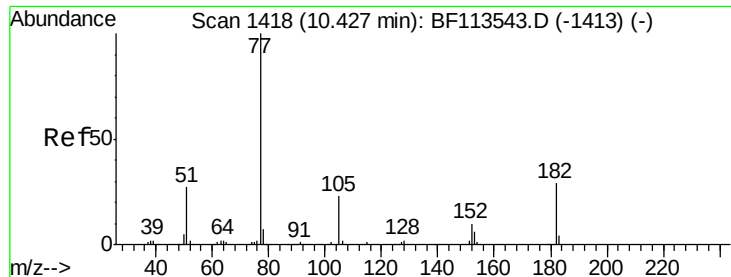
#62  
4-Nitroaniline  
Concen: 41.179 ng  
RT: 10.29 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion:138 Resp: 158549  
Ion Ratio Lower Upper  
138 100  
92 48.3 25.8 65.8  
108 64.9 44.0 84.0



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E

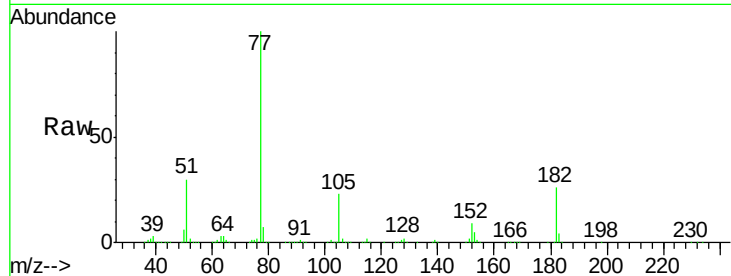




#63  
Azobenzene  
Concen: 46.628 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion: | 77    | Resp: | 643097 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 26.0  | 8.7   | 48.7   |
| 105      | 22.8  | 2.9   | 42.9   |
| 51       | 29.5  | 8.8   | 48.8   |

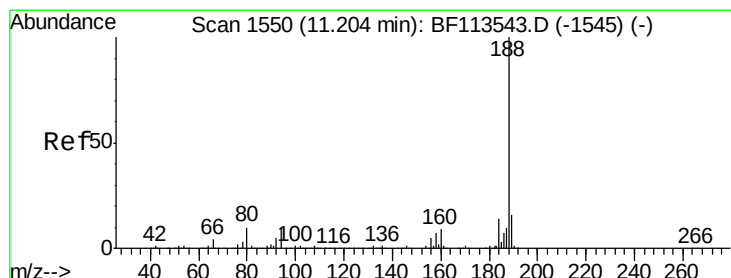
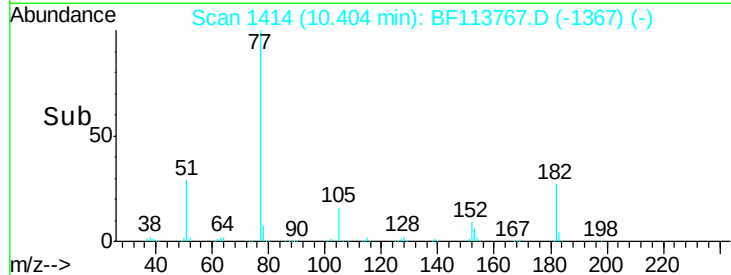
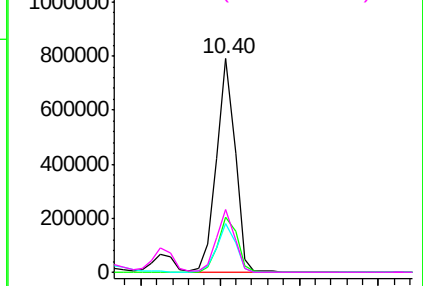


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

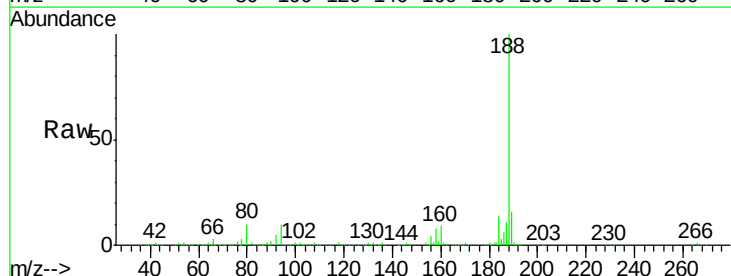
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

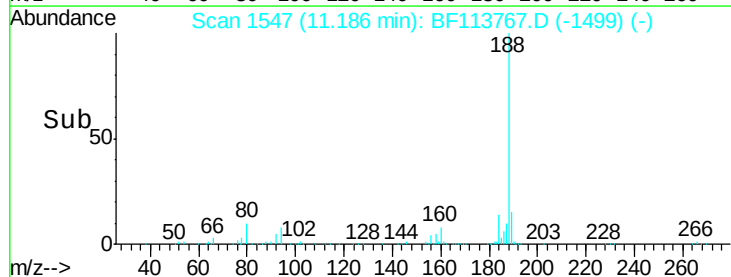
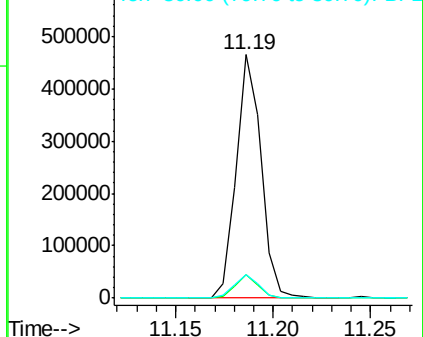
| Tgt Ion: | 188   | Resp: | 411959 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.6   | 7.0   | 10.6   |
| 80       | 9.9   | 7.7   | 11.5   |

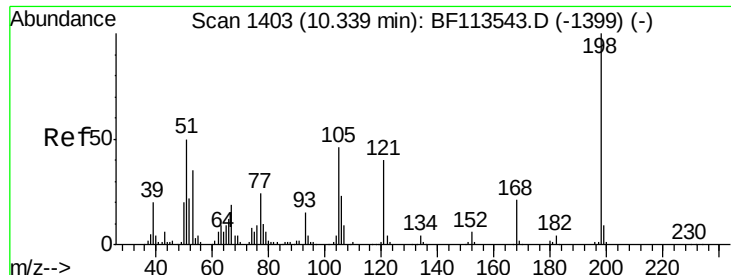


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

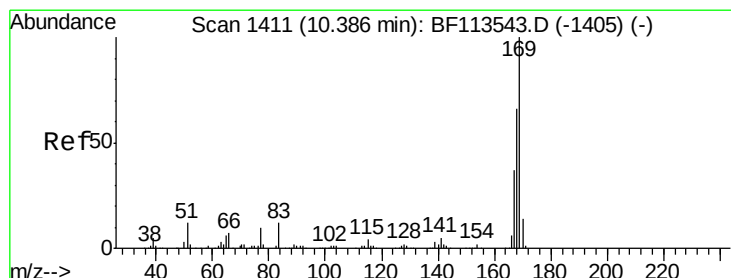
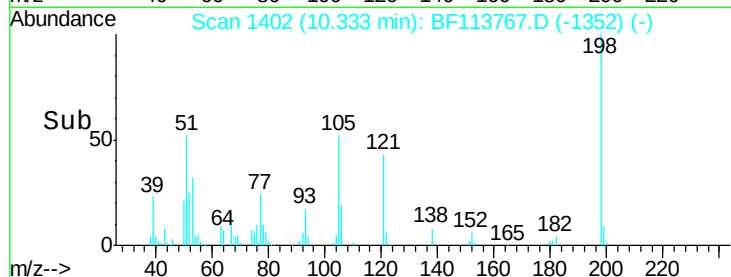
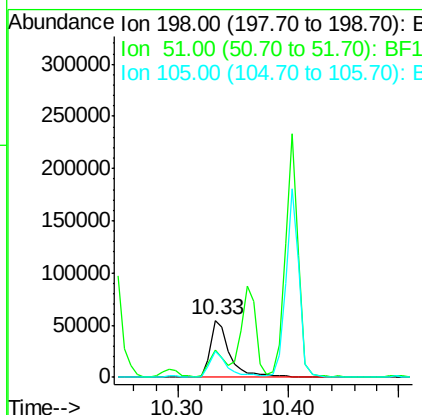
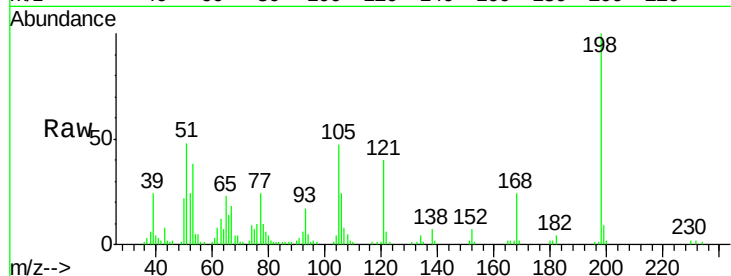




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 30.765 ng  
 RT: 10.33 min Scan# 1402  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

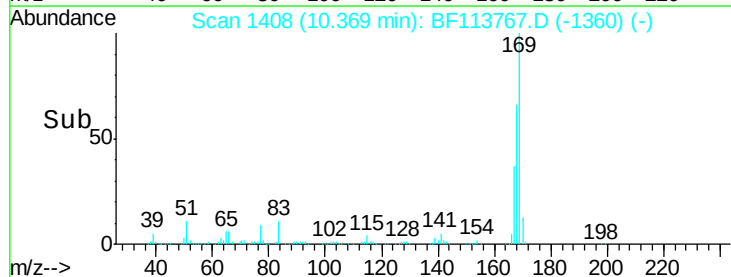
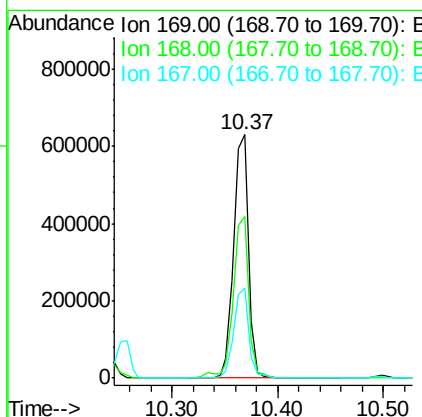
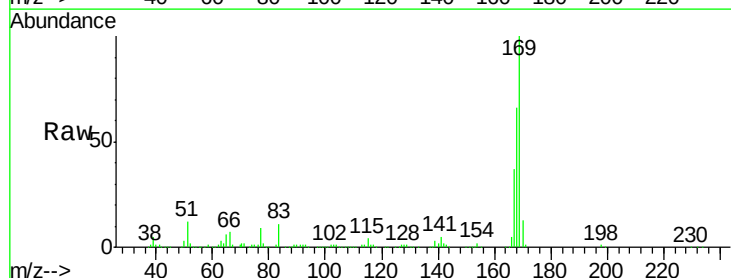
Instrument :  
 BNA\_F  
 ClientSampled :

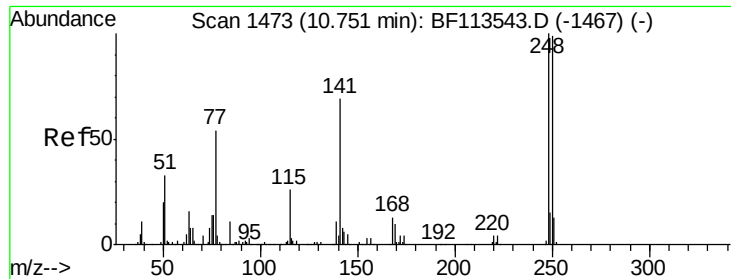
| Tot Ion   | 198  | Resp  | 66723 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 51        | 48.4 | 21.6  | 61.6  |
| 105       | 46.8 | 20.6  | 60.6  |



#66  
 n-Nitrosodiphenylamine  
 Concen: 47.900 ng  
 RT: 10.37 min Scan# 1408  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

| Tgt Ion   | 169  | Resp  | 605792 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 168       | 66.2 | 53.7  | 80.5   |
| 167       | 36.7 | 29.5  | 44.3   |

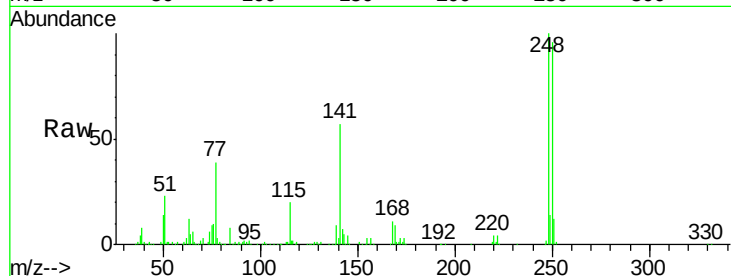




#67  
4-Bromophenyl-phenylether  
Concen: 47.025 ng  
RT: 10.73 min Scan# 1470  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.7  | 78.3  | 117.5 |
| 141     | 57.1  | 56.2  | 84.4  |

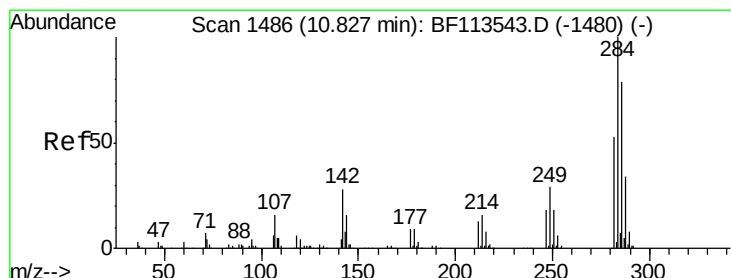
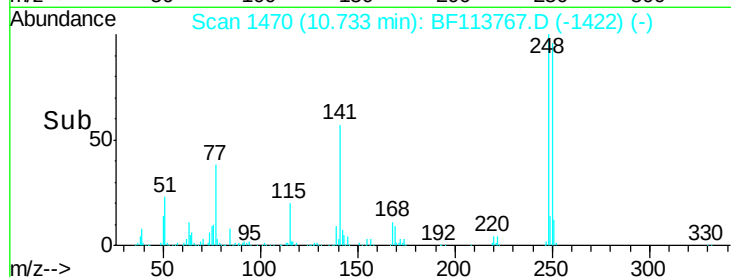
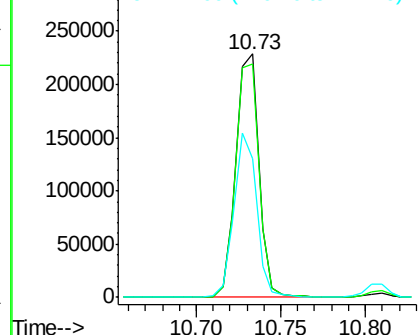


Abundance

Ion 248.00 (247.70 to 248.70): E

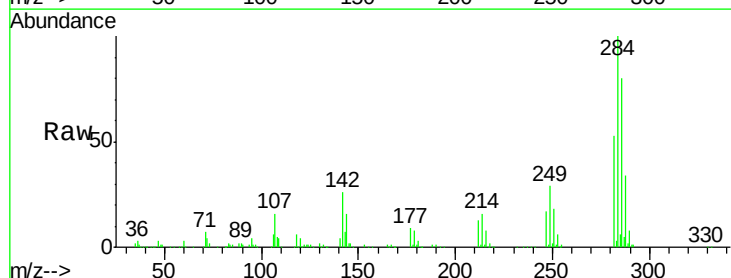
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 47.117 ng  
RT: 10.81 min Scan# 1483  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.1  | 20.1  | 30.1  |
| 249     | 29.0  | 22.7  | 34.1  |

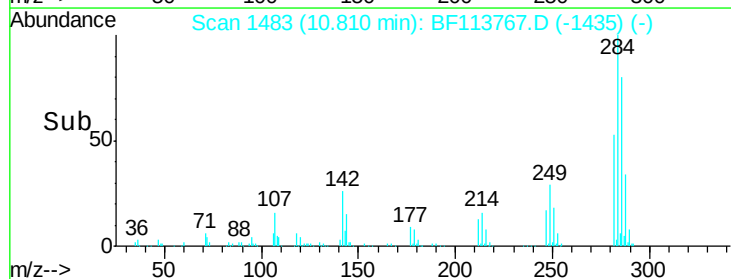
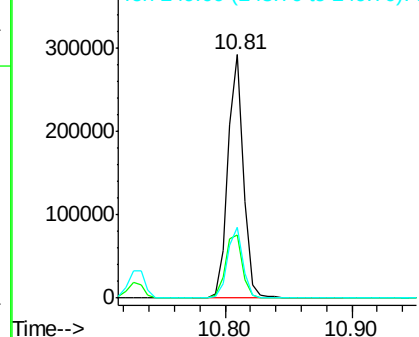


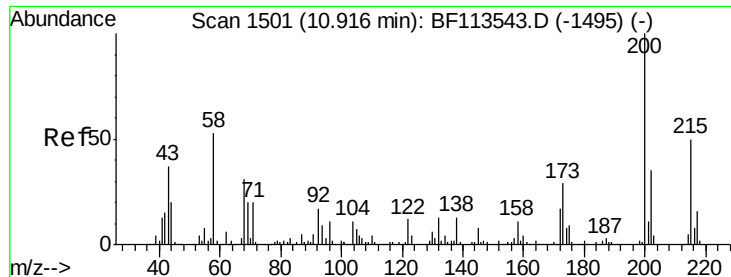
Abundance

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: 46.957 ng

RT: 10.90 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

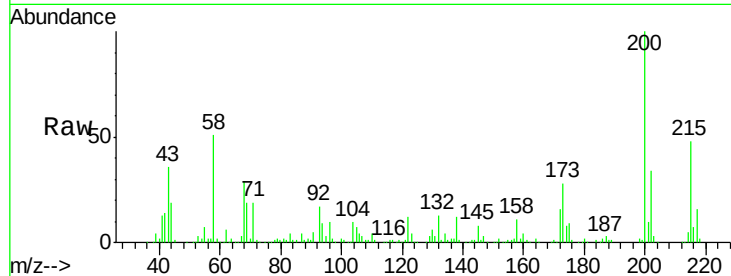
Tot Ion:200 Resp: 187182

Ion Ratio Lower Upper

200 100

173 27.6 6.0 46.0

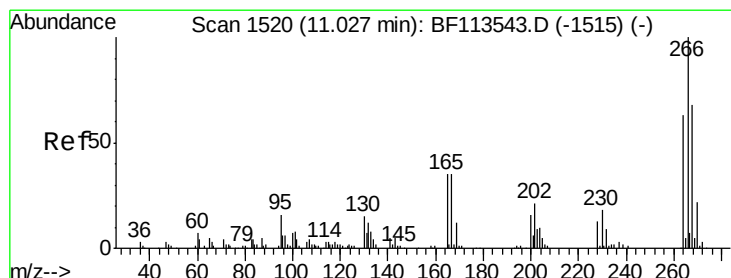
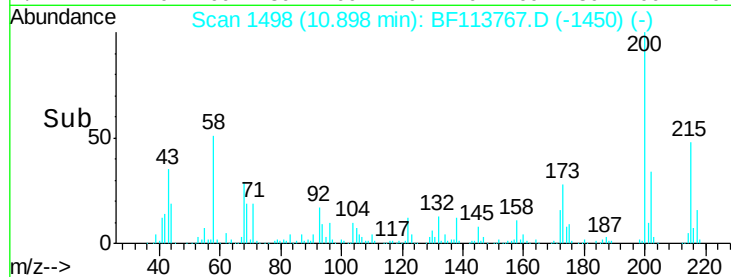
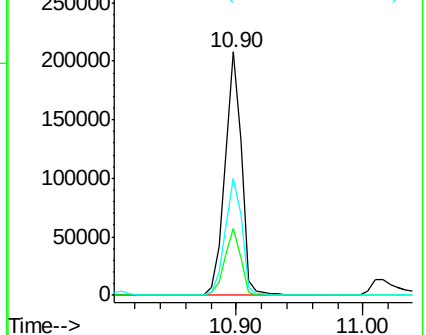
215 48.2 31.3 71.3



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: 66.422 ng

RT: 11.02 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

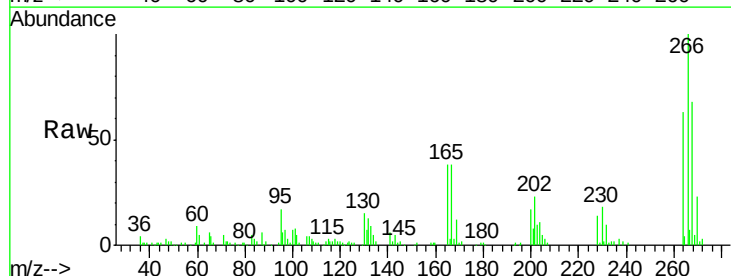
Tgt Ion:266 Resp: 165697

Ion Ratio Lower Upper

266 100

268 68.1 53.8 80.6

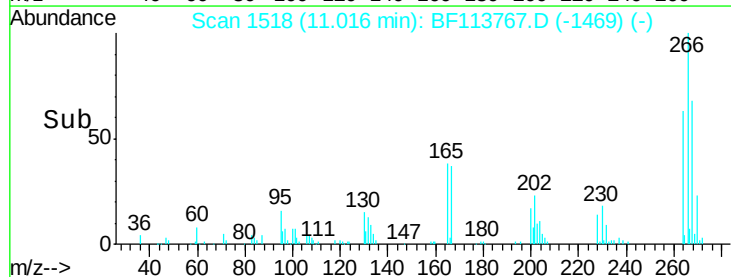
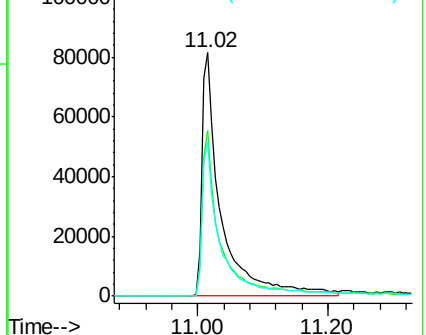
264 67.8 49.2 73.8

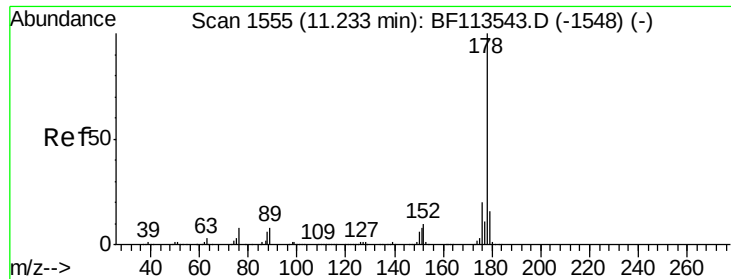


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

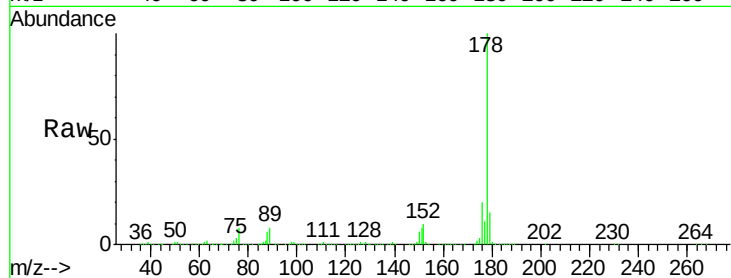




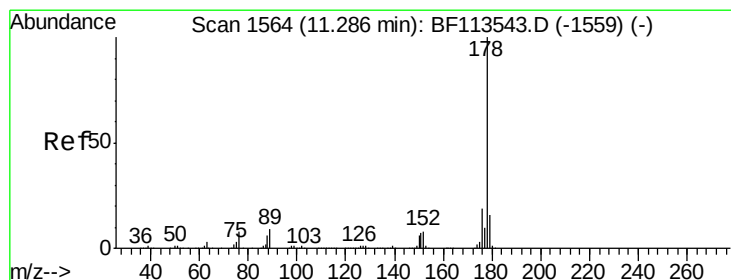
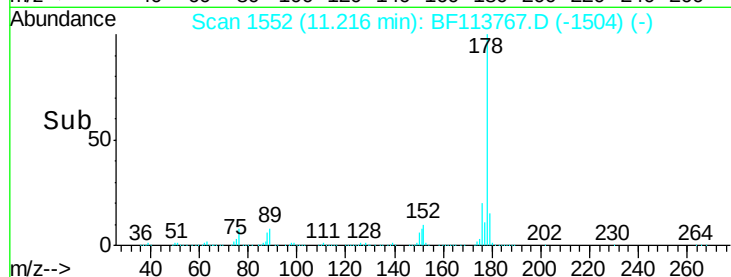
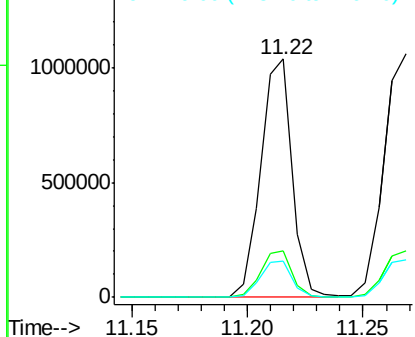
#71  
Phenanthrene  
Concen: 48.072 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 984054  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.2 24.2  
179 15.1 12.7 19.1

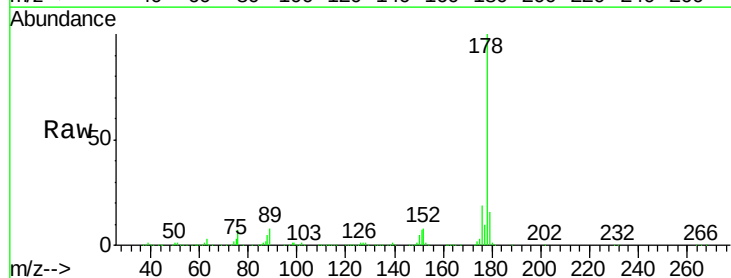


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

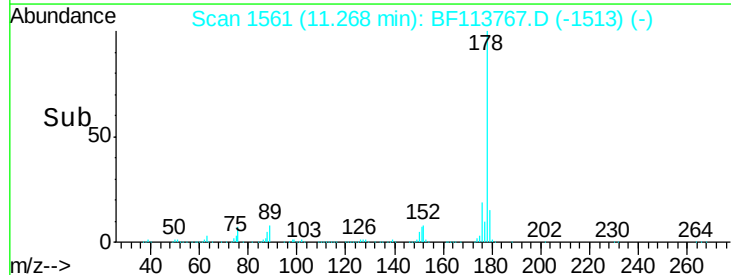
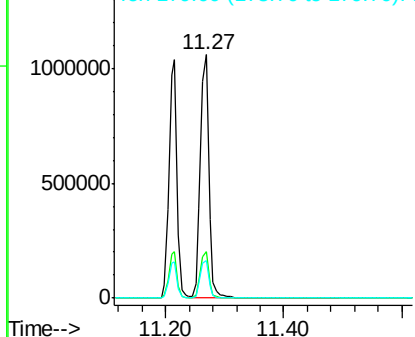


#72  
Anthracene  
Concen: 50.455 ng  
RT: 11.27 min Scan# 1561  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

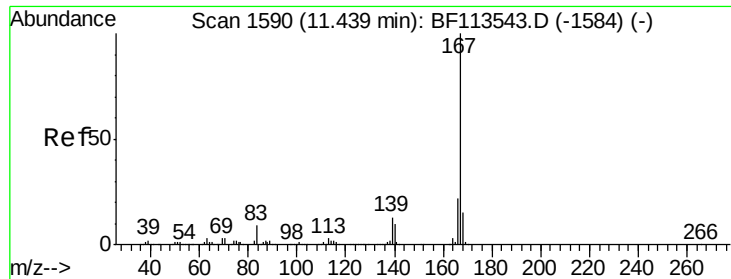
Tgt Ion:178 Resp: 1050836  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.2  
179 15.5 12.8 19.2



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



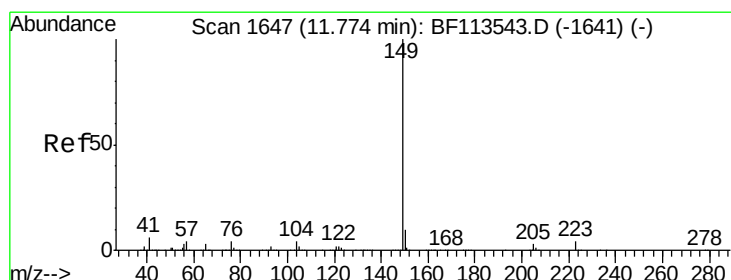
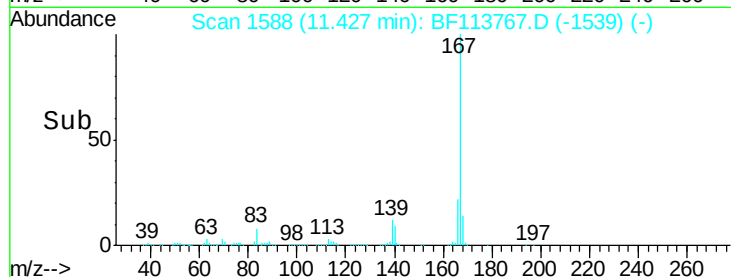
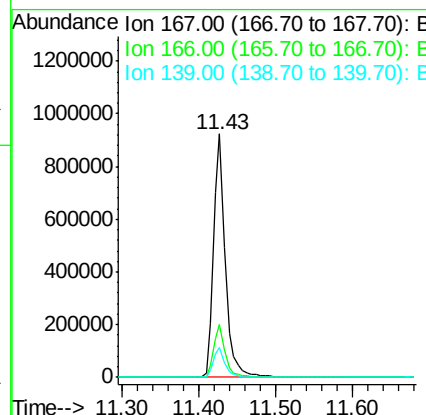
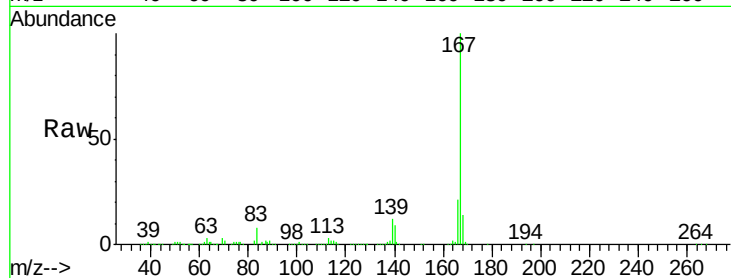




#73  
 Carbazole  
 Concen: 49.538 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. -0.01 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

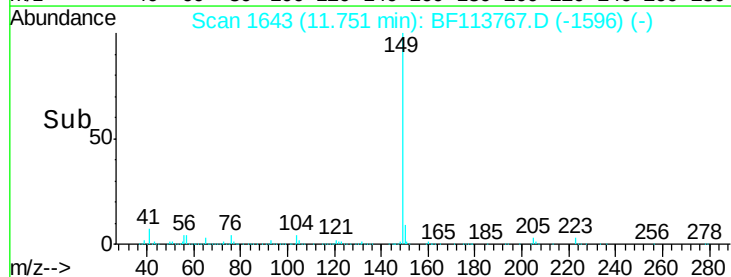
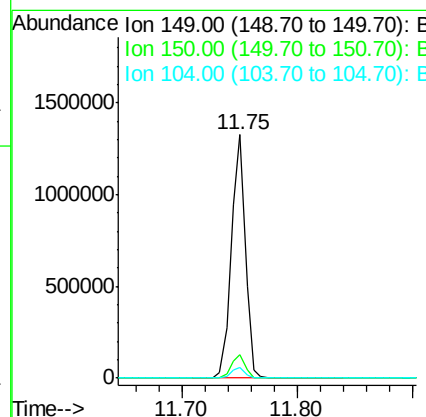
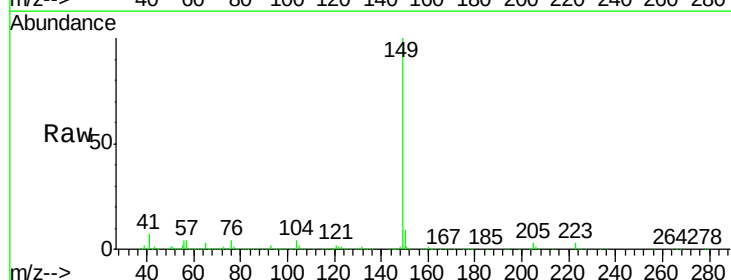
Instrument :  
 BNA\_F  
 ClientSampleId :

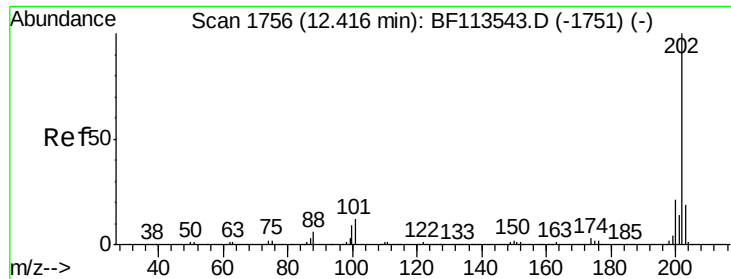
Tot Ion:167 Resp: 964975  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.4 26.0  
 139 12.3 10.4 15.6



#74  
 Di-n-butylphthalate  
 Concen: 47.882 ng  
 RT: 11.75 min Scan# 1643  
 Delta R.T. -0.02 min  
 Lab File: BF113767.D  
 Acq: 15 Apr 2019 17:10

Tgt Ion:149 Resp: 1109532  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.7 11.5  
 104 4.3 3.7 5.5





#75

Fluoranthene

Concen: 48.314 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampled :

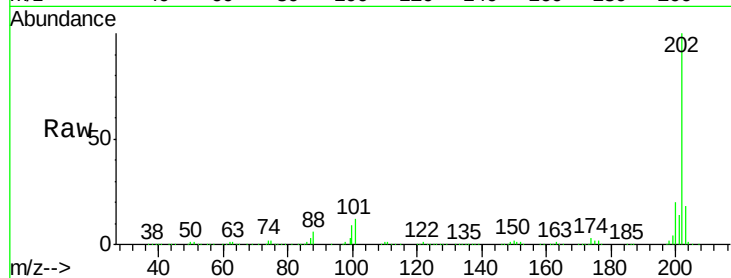
Tot Ion:202 Resp: 1059802

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

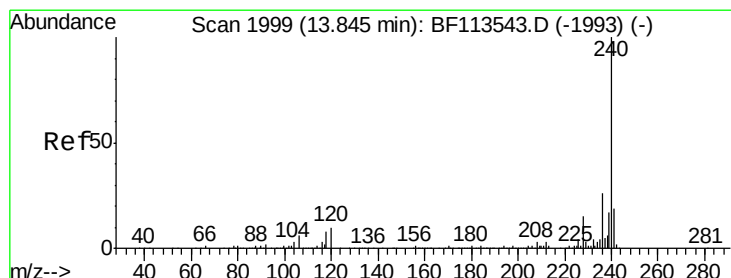
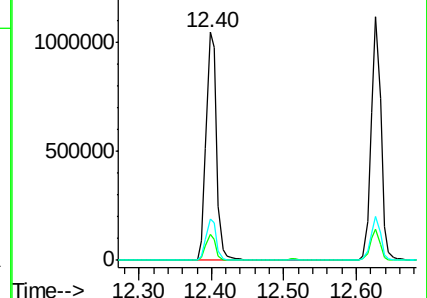
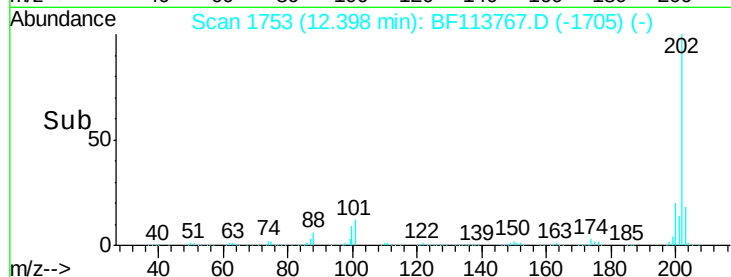
203 18.1 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

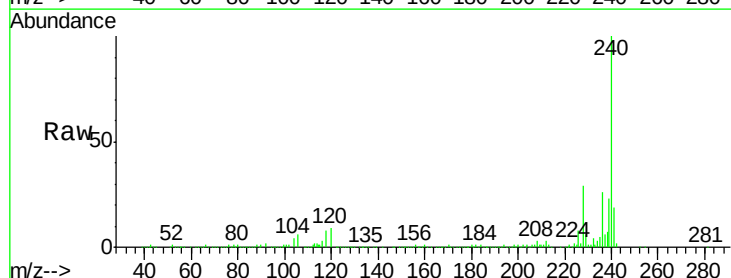
Tgt Ion:240 Resp: 256401

Ion Ratio Lower Upper

240 100

120 9.5 8.8 13.2

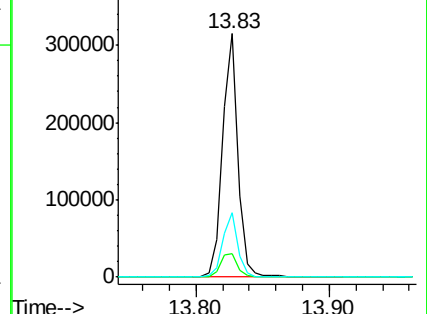
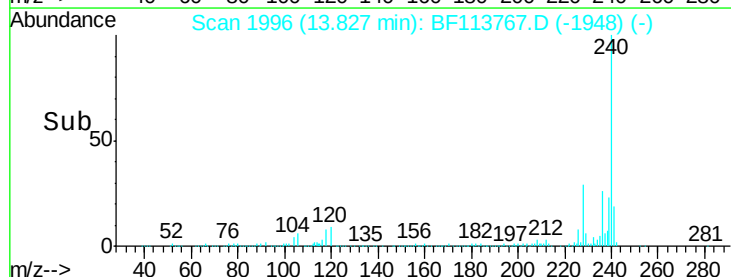
236 26.4 20.9 31.3

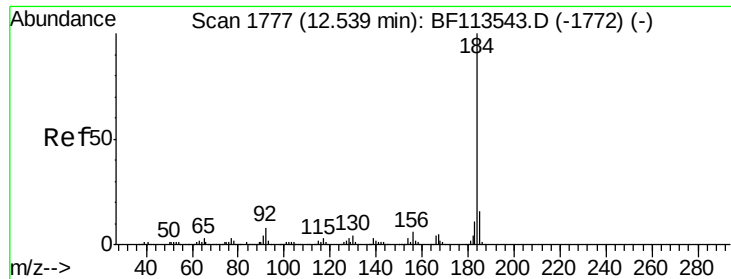


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.556 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

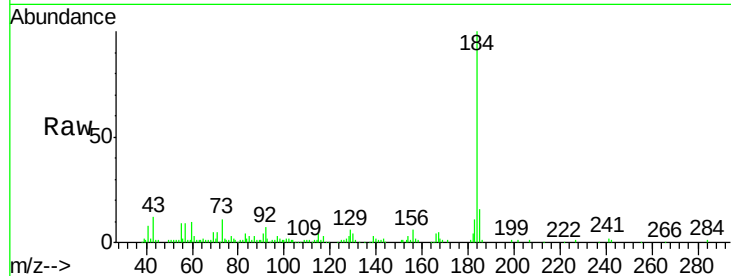
Tot Ion:184 Resp: 157860

Ion Ratio Lower Upper

184 100

185 15.8 13.0 19.6

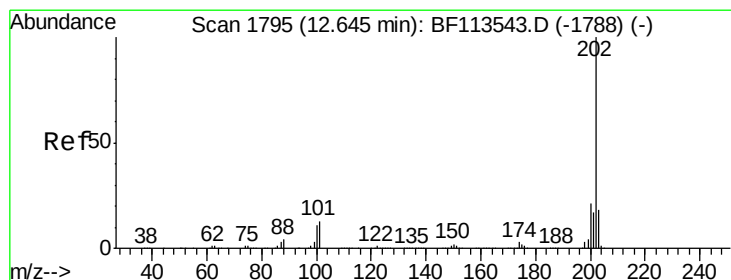
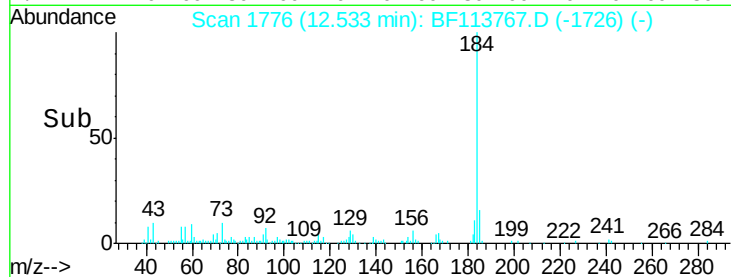
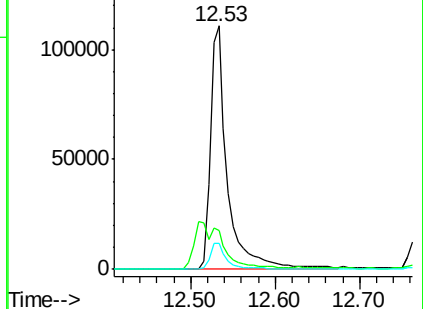
183 10.7 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.770 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

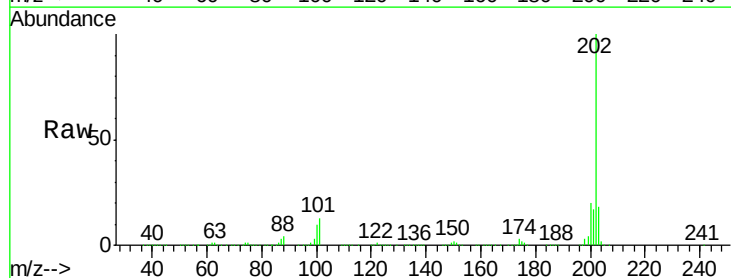
Tgt Ion:202 Resp: 1049004

Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

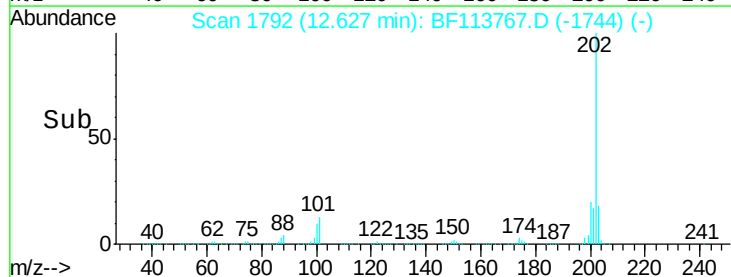
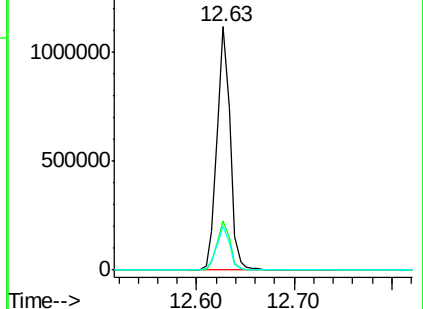
203 18.1 14.4 21.6

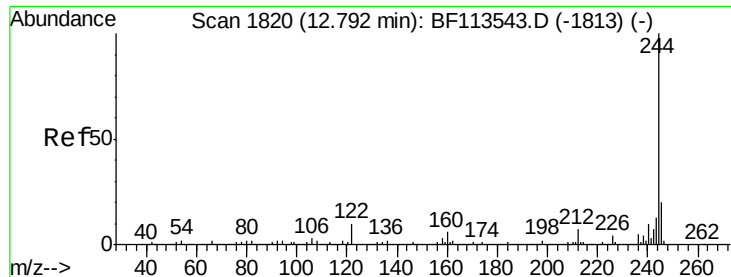


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 102.881 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampleId :

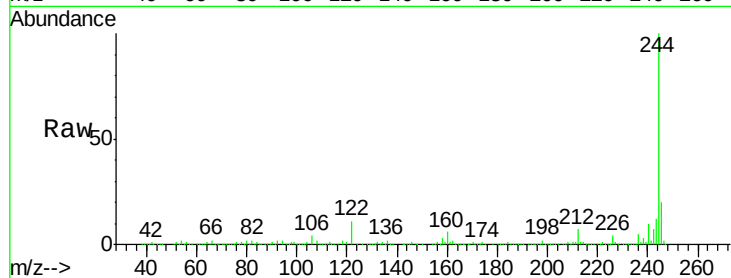
Tot Ion:244 Resp: 1295605

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

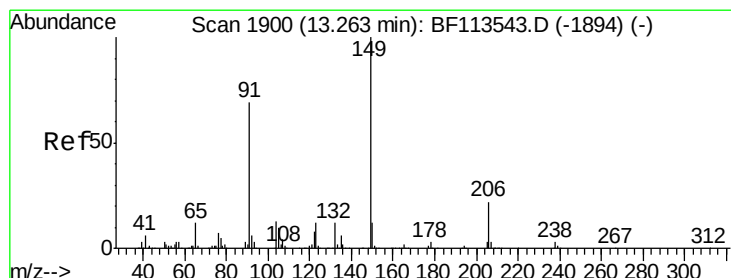
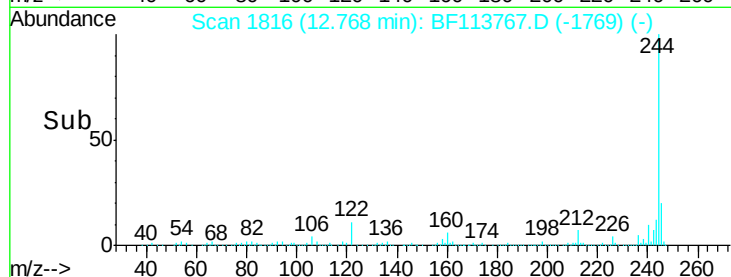
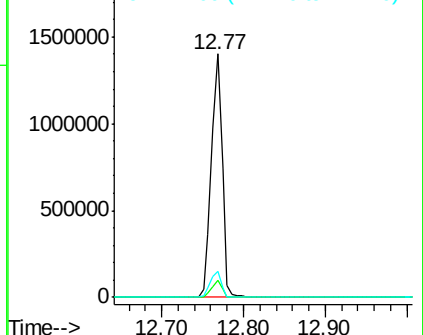
122 10.8 8.6 13.0



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: 55.460 ng

RT: 13.24 min Scan# 1896

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

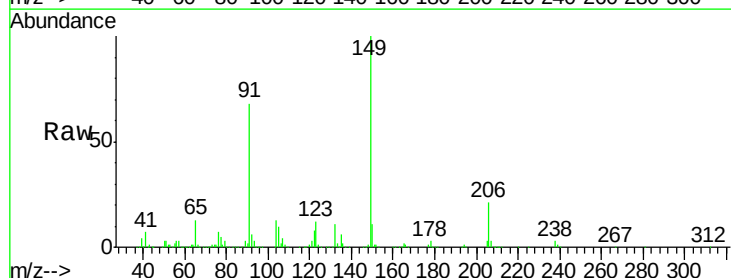
Tgt Ion:149 Resp: 440430

Ion Ratio Lower Upper

149 100

91 68.1 55.2 82.8

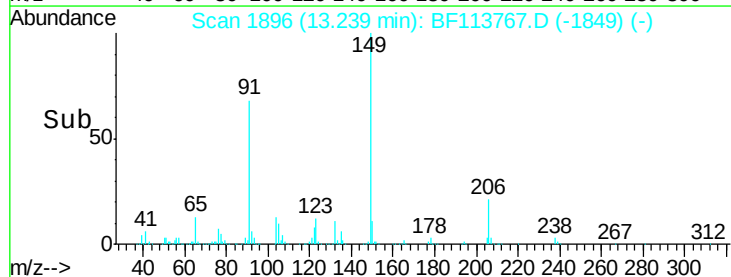
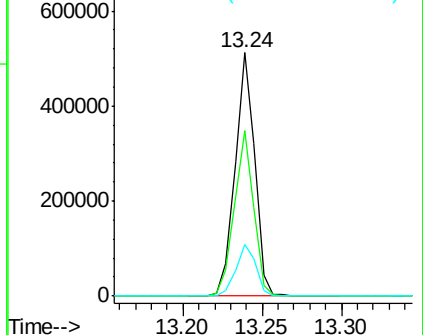
206 21.0 16.1 24.1

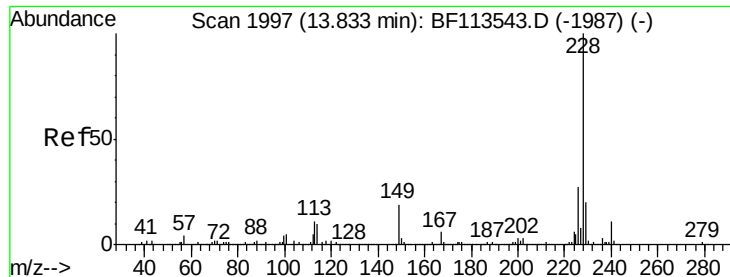


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.897 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

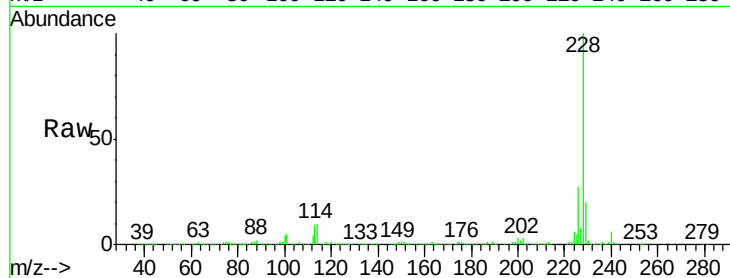
Instrument :

BNA\_F

ClientSampled :

Tot Ion:228 Resp: 752800

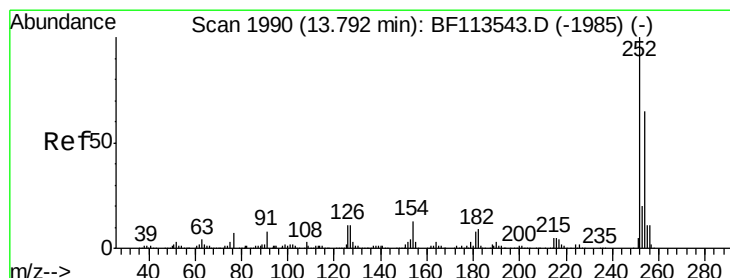
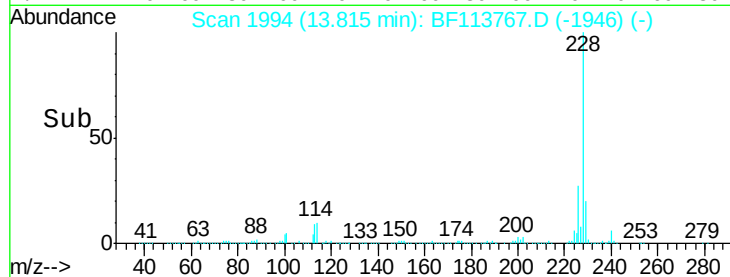
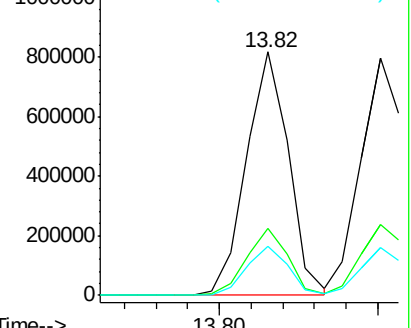
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.4  | 21.8  | 32.8  |
| 229 | 20.3  | 16.2  | 24.4  |



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: 17.347 ng

RT: 13.78 min Scan# 1988

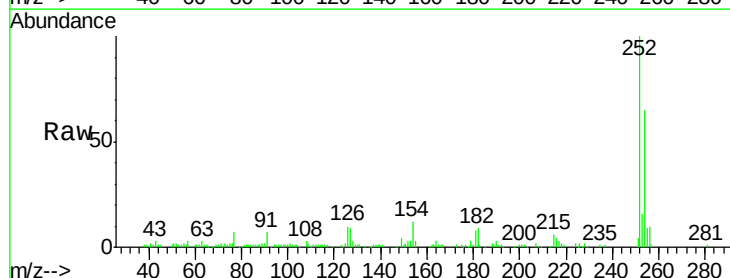
Delta R.T. -0.01 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Tgt Ion:252 Resp: 98822

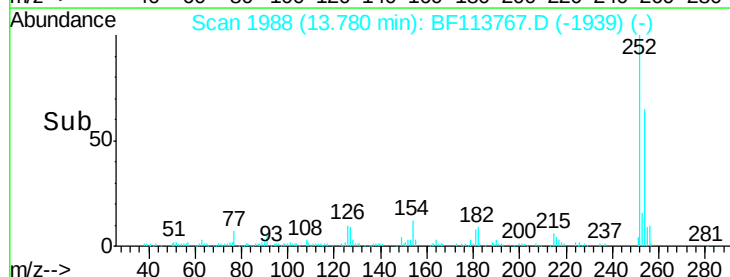
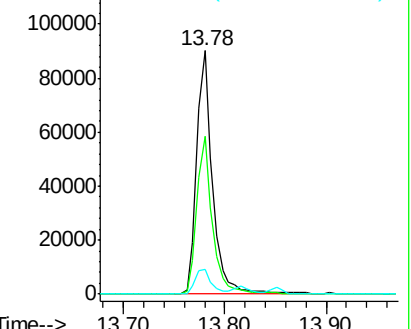
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 64.8  | 52.2  | 78.2  |
| 126 | 10.0  | 8.5   | 12.7  |

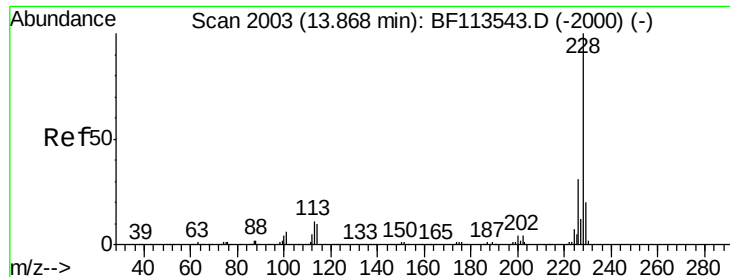


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 52.287 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

Instrument :

BNA\_F

ClientSampled :

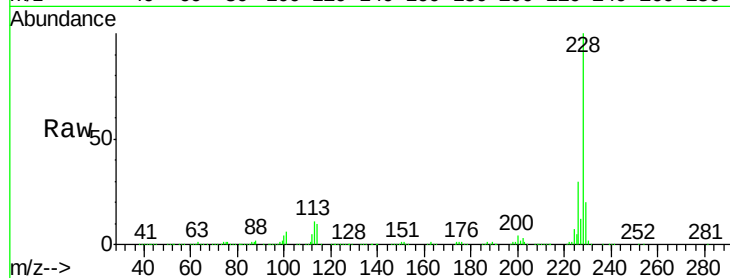
Tot Ion:228 Resp: 783965

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

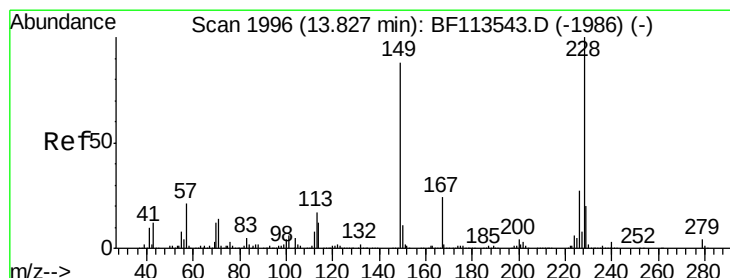
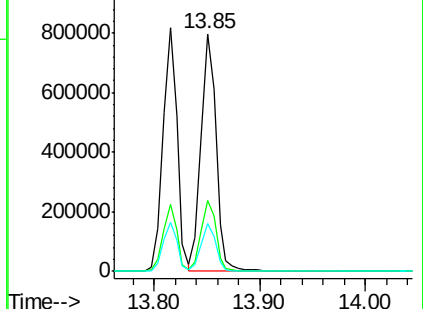
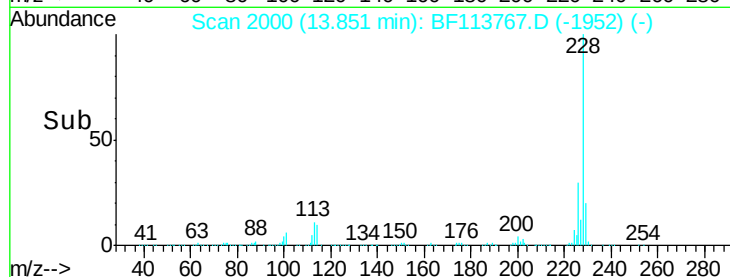
229 20.2 16.3 24.5



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: 60.257 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113767.D

Acq: 15 Apr 2019 17:10

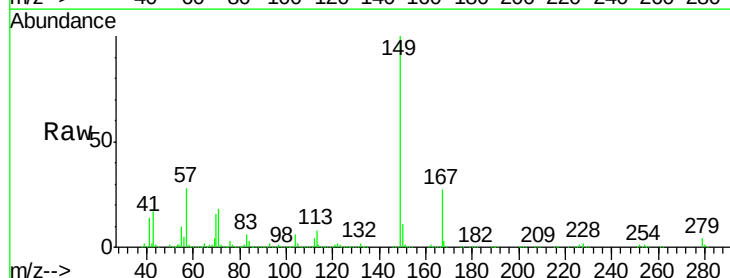
Tgt Ion:149 Resp: 578562

Ion Ratio Lower Upper

149 100

167 27.4 21.8 32.8

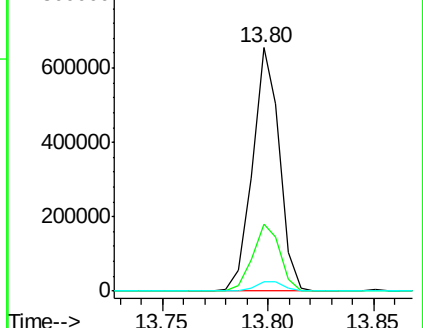
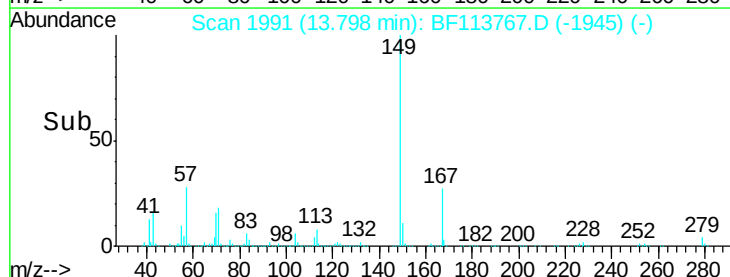
279 4.0 2.9 4.3

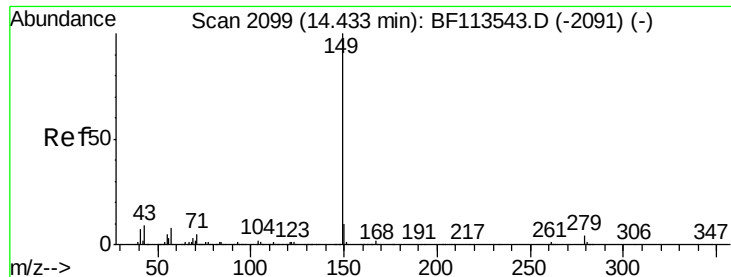


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

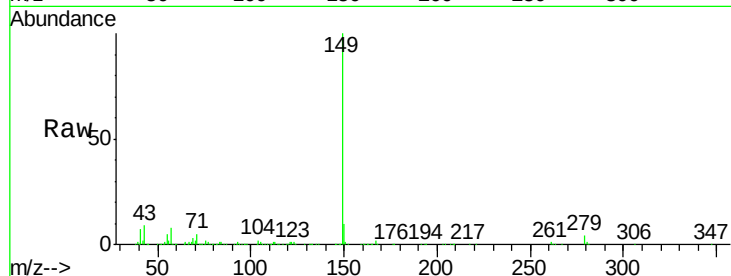




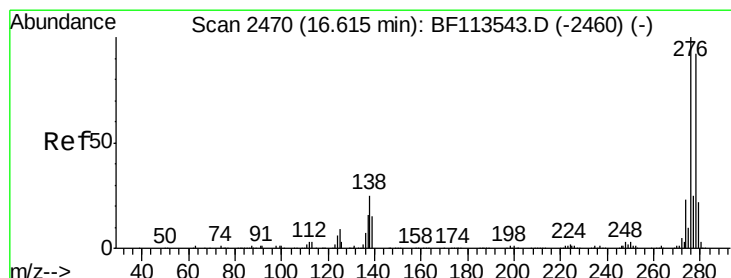
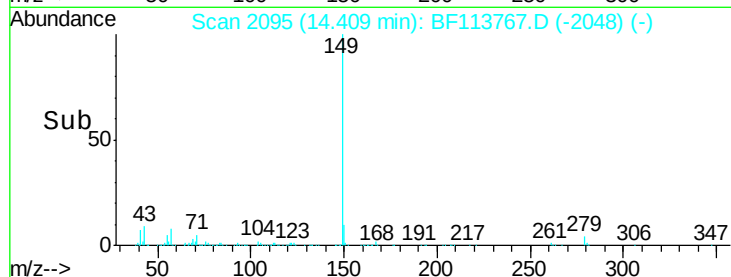
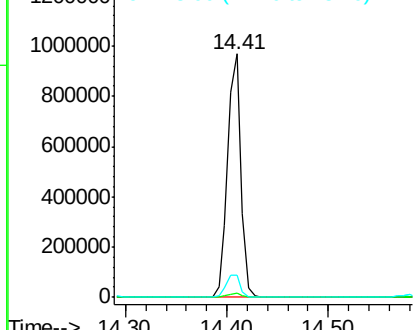
#85  
Di-n-octyl phthalate  
Concen: 56.616 ng  
RT: 14.41 min Scan# 2095  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 9.4   | 7.7   | 11.5  |

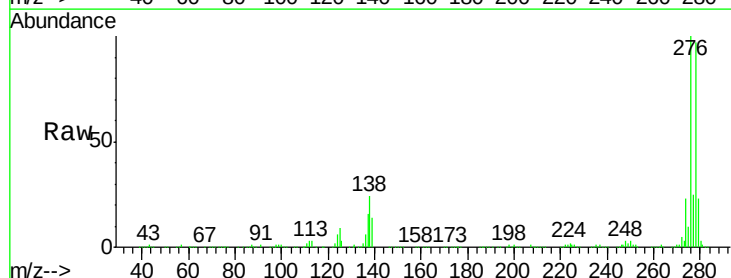


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

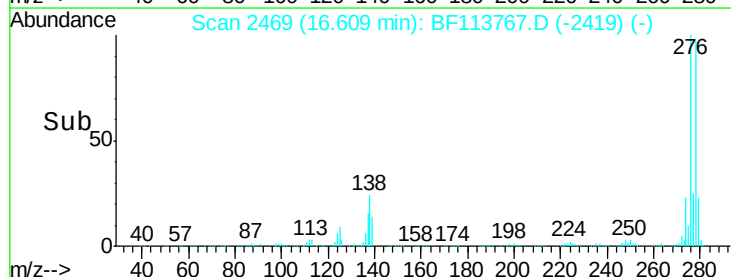
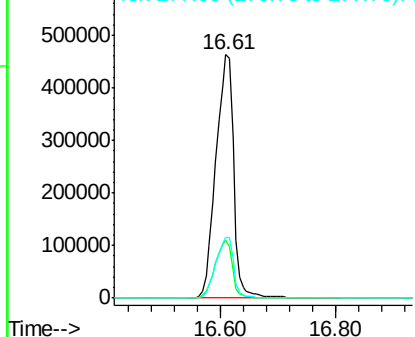


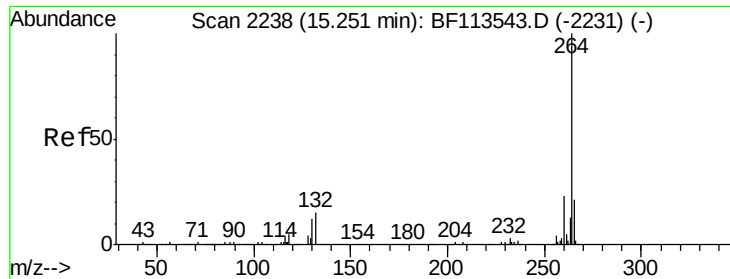
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 71.915 ng  
RT: 16.61 min Scan# 2469  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.2  | 18.1  | 27.1  |
| 277     | 25.1  | 20.2  | 30.4  |



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

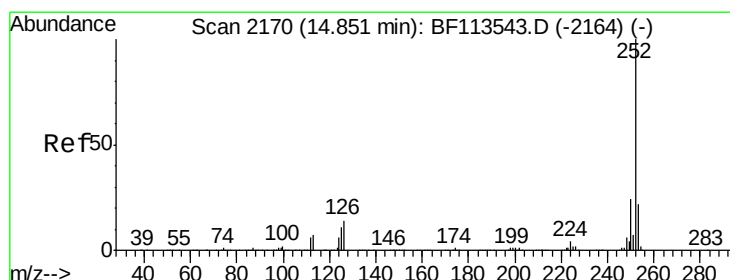
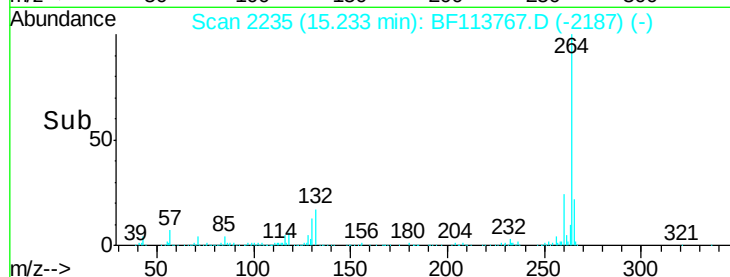
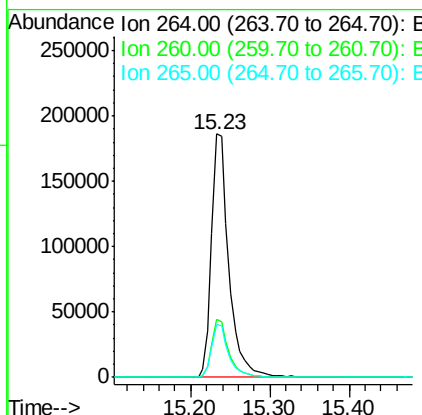
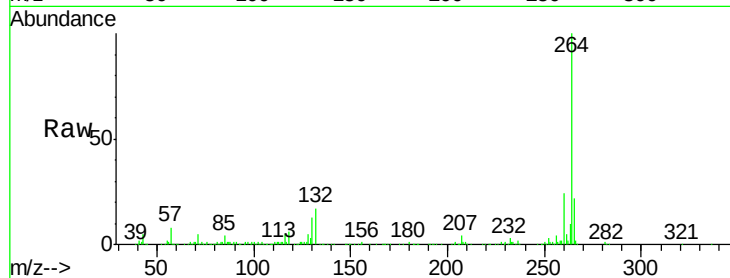




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.23 min Scan# 2235  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

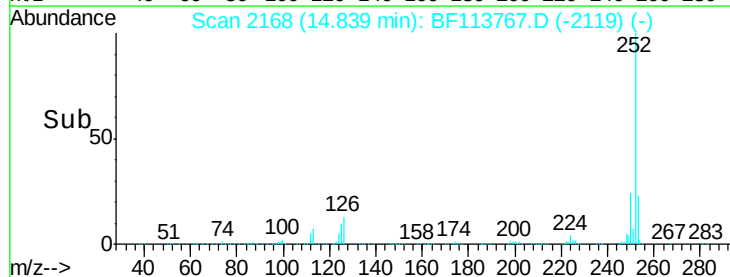
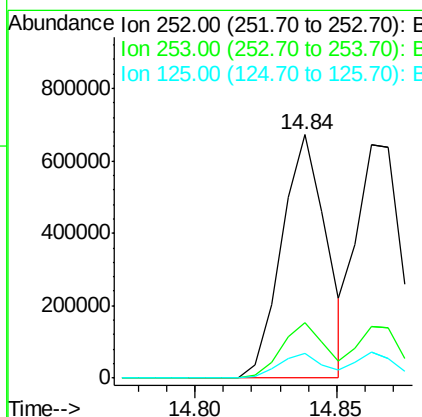
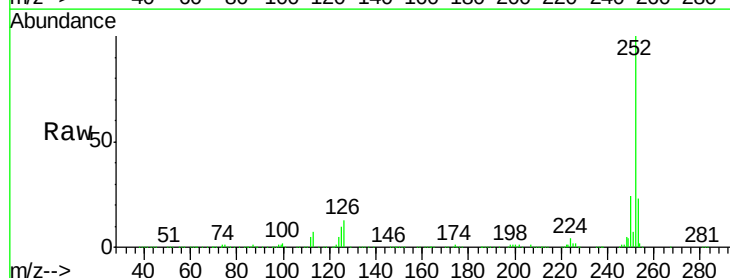
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 283666  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.1 28.7  
265 21.6 17.1 25.7

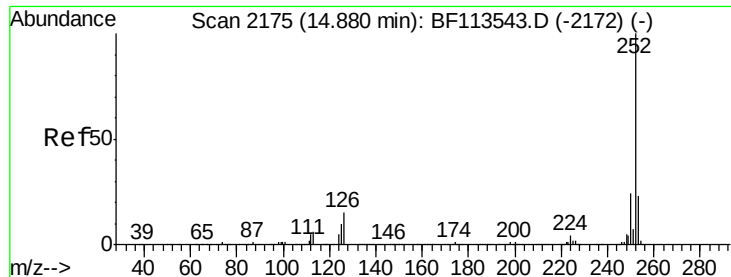


#88  
Benzo(b)fluoranthene  
Concen: 42.509 ng  
RT: 14.84 min Scan# 2168  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion:252 Resp: 738118  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.0 27.0  
125 10.0 7.6 11.4



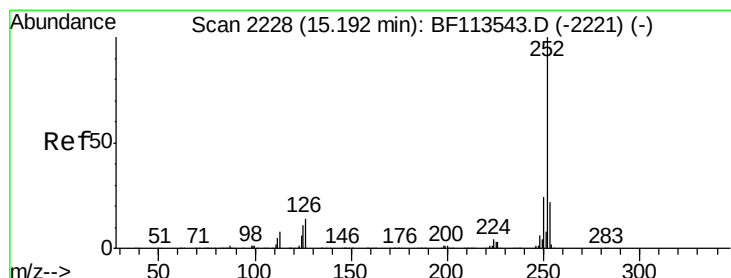
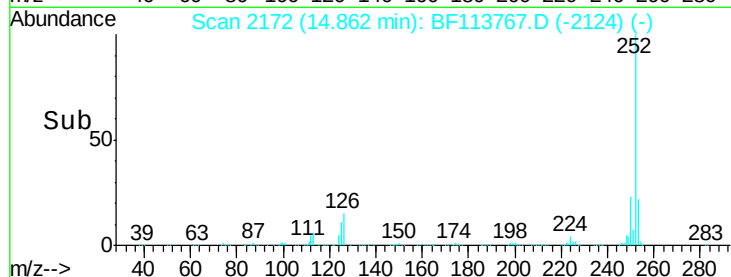
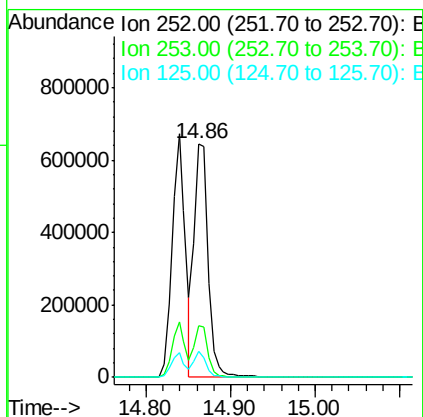
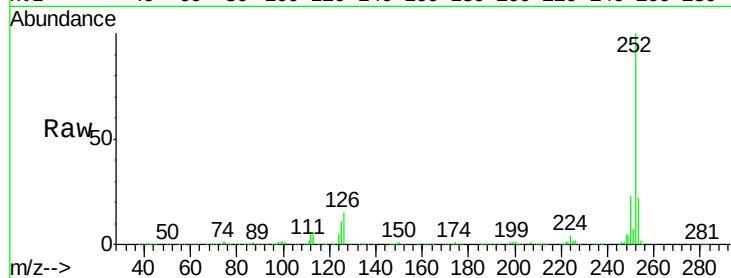




#89  
Benzo(k)fluoranthene  
Concen: 47.094 ng  
RT: 14.86 min Scan# 2172  
Delta R.T. -0.02 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

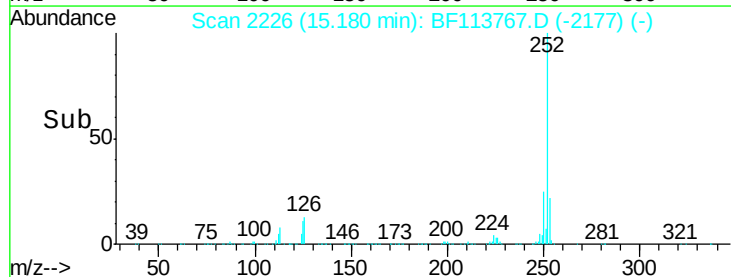
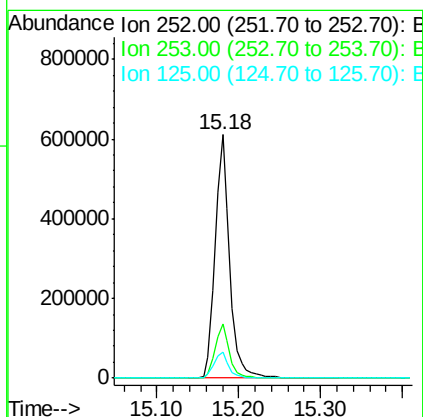
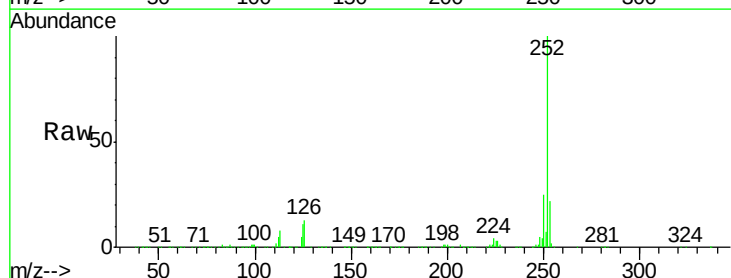
Instrument :  
BNA\_F  
ClientSampleId :

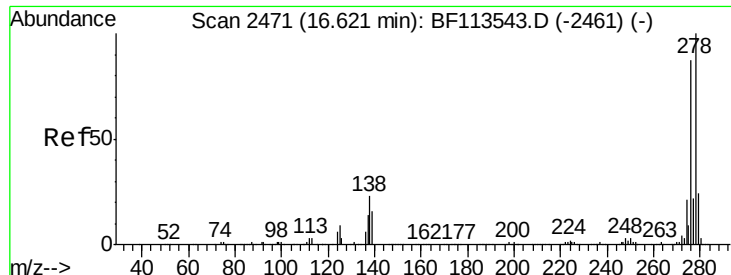
Tot Ion:252 Resp: 733904  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.7 26.5  
125 10.9 7.3 10.9



#90  
Benzo(a)pyrene  
Concen: 49.104 ng  
RT: 15.18 min Scan# 2226  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Tgt Ion:252 Resp: 757647  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 10.8 8.8 13.2

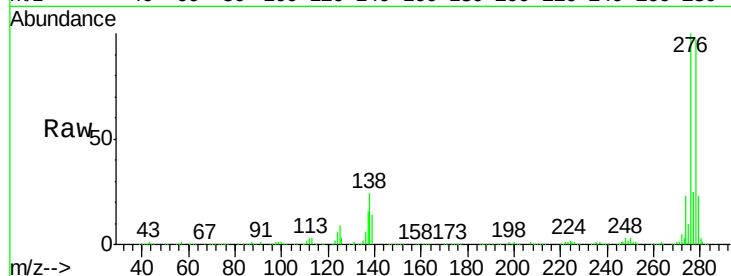




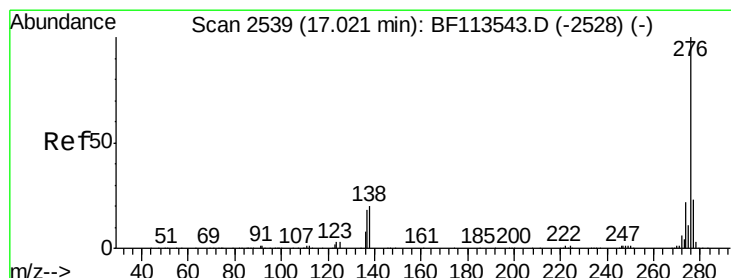
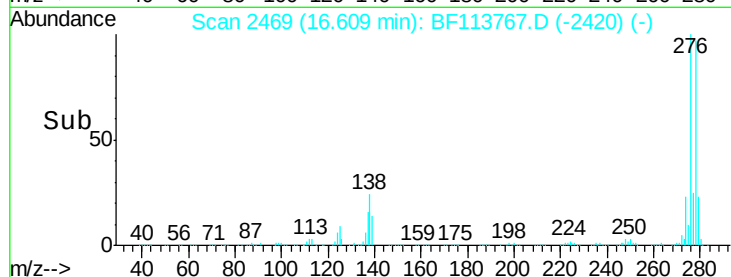
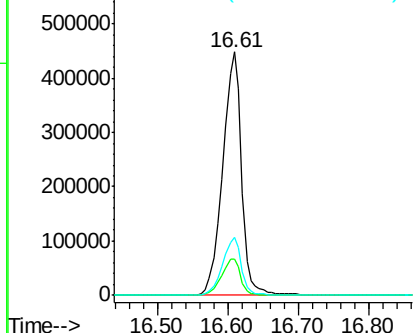
#91  
Dibenzo(a,h)anthracene  
Concen: 57.893 ng  
RT: 16.61 min Scan# 2469  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.0  | 12.0  | 18.0  |
| 279     | 23.9  | 19.0  | 28.6  |

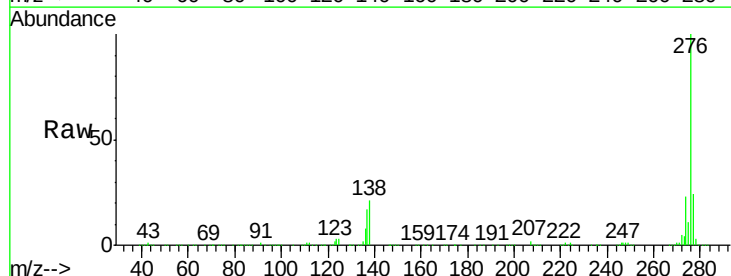


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 60.271 ng  
RT: 17.01 min Scan# 2537  
Delta R.T. -0.01 min  
Lab File: BF113767.D  
Acq: 15 Apr 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 18.8  | 28.2  |
| 138     | 20.7  | 15.6  | 23.4  |



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

