

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\  
 Data File : BF118749.D  
 Acq On : 30 Jan 2020 14:05  
 Operator : CG/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 30 22:06:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 27 14:24:10 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 346254   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.13  | 136  | 1250181  | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.88  | 164  | 688511   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.37 | 188  | 1226503  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.01 | 240  | 814692   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.46 | 264  | 767042   | 20.00 | ng    | -0.02    |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.46  | 112 | 1529952 | 82.06 | ng | -0.02 |
| 7) Phenol-d6                | 6.47  | 99  | 1909458 | 78.80 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.41  | 82  | 1728562 | 77.34 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330 | 668495  | 83.94 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 9.20  | 172 | 3174517 | 75.78 | ng | -0.02 |
| 79) Terphenyl-d14           | 12.95 | 244 | 3556443 | 95.21 | ng | -0.01 |

|                                |      |     |         |        |    |      |
|--------------------------------|------|-----|---------|--------|----|------|
| Target Compounds               |      |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.59 | 88  | 342276  | 37.905 | ng | 100  |
| 3) Pyridine                    | 3.34 | 79  | 962101  | 37.802 | ng | 99   |
| 4) n-Nitrosodimethylamine      | 3.29 | 42  | 352196  | 32.278 | ng | 100  |
| 6) Aniline                     | 6.50 | 93  | 1241443 | 38.908 | ng | 99   |
| 8) 2-Chlorophenol              | 6.63 | 128 | 860226  | 41.108 | ng | 99   |
| 9) Benzaldehyde                | 6.39 | 77  | 557110  | 37.804 | ng | 99   |
| 10) Phenol                     | 6.49 | 94  | 1063889 | 38.526 | ng | 97   |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93  | 805646  | 39.322 | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 1017092 | 41.526 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 1005784 | 40.908 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 939900  | 40.666 | ng | 99   |
| 15) Benzyl Alcohol             | 6.98 | 79  | 740572  | 38.539 | ng | 99   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45  | 998536  | 34.990 | ng | 99   |
| 17) 2-Methylphenol             | 7.09 | 107 | 706151  | 40.512 | ng | 98   |
| 18) Hexachloroethane           | 7.36 | 117 | 357133  | 40.059 | ng | 98   |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70  | 575120  | 35.150 | ng | 97   |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 826257  | 38.825 | ng | 89   |
| 22) Acetophenone               | 7.26 | 105 | 1124577 | 37.972 | ng | # 95 |
| 24) Nitrobenzene               | 7.43 | 77  | 876178  | 38.285 | ng | 96   |
| 25) Isophorone                 | 7.67 | 82  | 1540180 | 37.780 | ng | 99   |
| 26) 2-Nitrophenol              | 7.74 | 139 | 462828  | 47.423 | ng | 98   |
| 27) 2,4-Dimethylphenol         | 7.78 | 122 | 627346  | 37.225 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 1021963 | 38.905 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 7.98 | 162 | 763217  | 40.967 | ng | 99   |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 888329  | 41.124 | ng | 98   |
| 31) Naphthalene                | 8.15 | 128 | 2372802 | 42.015 | ng | 99   |
| 32) Benzoic acid               | 7.90 | 122 | 414947  | 32.807 | ng | 98   |
| 33) 4-Chloroaniline            | 8.19 | 127 | 1050406 | 40.241 | ng | 98   |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 540824  | 41.113 | ng | 98   |
| 35) Caprolactam                | 8.57 | 113 | 233478  | 38.296 | ng | 98   |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107 | 744908  | 40.490 | ng | 100  |
| 37) 2-Methylnaphthalene        | 8.84 | 142 | 1619852 | 40.635 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.94 | 142 | 1525242 | 40.274 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 868412  | 40.310 | ng | 99   |

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 Operator : CG/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

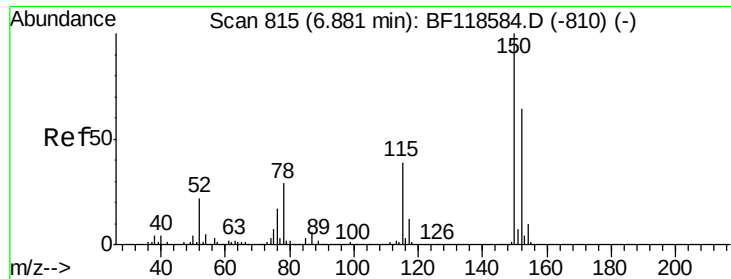
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 30 22:06:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 27 14:24:10 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.00  | 237  | 431206   | 39.672 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 583520   | 40.818 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.16  | 196  | 592217   | 40.563 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 2007242  | 42.300 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 1662509  | 41.567 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 468824   | 38.132 | ng    | 95       |
| 49) Acenaphthylene             | 9.75  | 152  | 2385775  | 42.401 | ng    | 99       |
| 50) Dimethylphthalate          | 9.60  | 163  | 1885064  | 42.023 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 437116   | 43.517 | ng    | 98       |
| 52) Acenaphthene               | 9.92  | 154  | 1548770  | 41.164 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.83  | 138  | 477095   | 41.596 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 189975   | 47.374 | ng    | # 89     |
| 55) Dibenzofuran               | 10.09 | 168  | 2184790  | 41.902 | ng    | 100      |
| 56) 4-Nitrophenol              | 9.99  | 139  | 342224   | 39.524 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 10.07 | 165  | 572390   | 45.202 | ng    | 95       |
| 58) Fluorene                   | 10.43 | 166  | 1617699  | 39.521 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.20 | 232  | 513090   | 39.955 | ng    | 100      |
| 60) Diethylphthalate           | 10.30 | 149  | 1801483  | 41.421 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 886783   | 39.834 | ng    | 95       |
| 62) 4-Nitroaniline             | 10.45 | 138  | 468605   | 39.830 | ng    | 100      |
| 63) Azobenzene                 | 10.58 | 77   | 1610653  | 38.239 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 277850   | 51.518 | ng    | 87       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 1515864  | 40.982 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.91 | 248  | 624465   | 41.211 | ng    | 95       |
| 68) Hexachlorobenzene          | 10.99 | 284  | 709518   | 41.300 | ng    | # 94     |
| 69) Atrazine                   | 11.07 | 200  | 505981   | 39.467 | ng    | 99       |
| 70) Pentachlorophenol          | 11.17 | 266  | 374555   | 39.214 | ng    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 2441505  | 41.261 | ng    | 99       |
| 72) Anthracene                 | 11.45 | 178  | 2467321  | 42.141 | ng    | 100      |
| 73) Carbazole                  | 11.59 | 167  | 2183049  | 40.649 | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.93 | 149  | 2622189  | 43.947 | ng    | 99       |
| 75) Fluoranthene               | 12.58 | 202  | 2544960  | 40.779 | ng    | 99       |
| 77) Benzidine                  | 12.69 | 184  | 1018985  | 46.811 | ng    | 100      |
| 78) Pyrene                     | 12.81 | 202  | 2506700  | 45.321 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.43 | 149  | 1064151  | 47.011 | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.00 | 228  | 2045827  | 41.745 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 819015   | 46.900 | ng    | 100      |
| 83) Chrysene                   | 14.03 | 228  | 2006267  | 42.714 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 1323368  | 47.852 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 14.60 | 149  | 2121144  | 51.817 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.92 | 276  | 1973281  | 48.351 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 2037420  | 42.258 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.07 | 252  | 1703307  | 38.132 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.40 | 252  | 1698823  | 40.846 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.94 | 278  | 1619553  | 44.022 | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.36 | 276  | 1620724  | 45.372 | ng    | 99       |

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



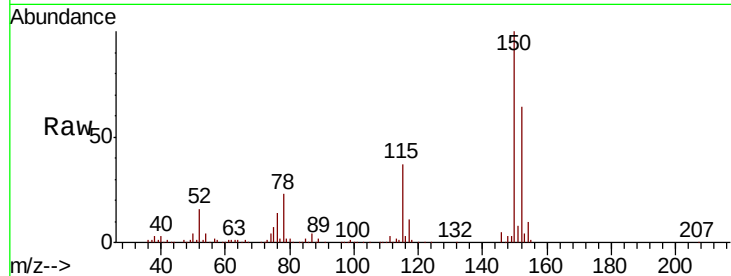


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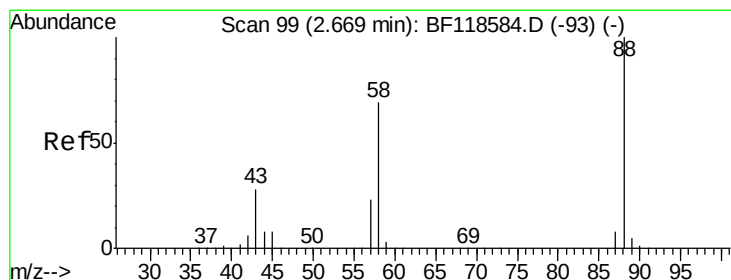
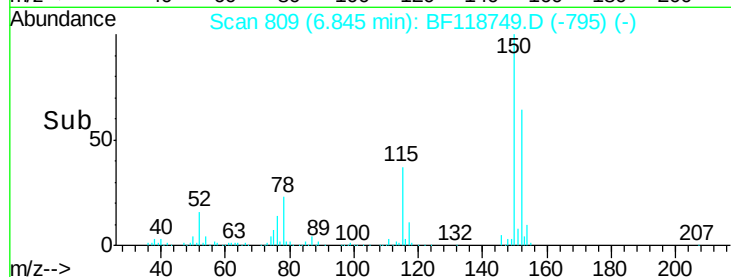
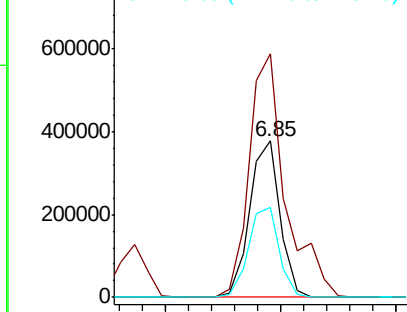
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.9 | 123.7 | 185.5 |
| 115     | 57.8  | 45.1  | 67.7  |



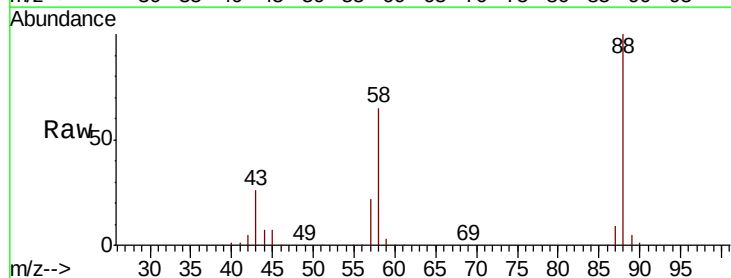
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



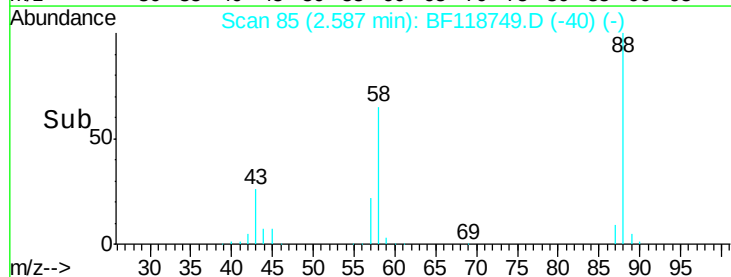
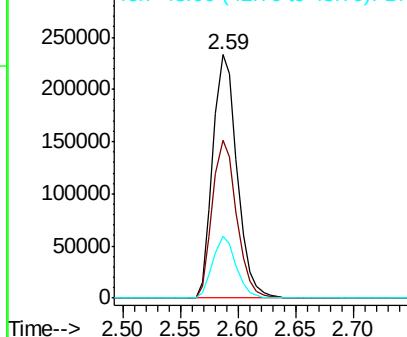
#2

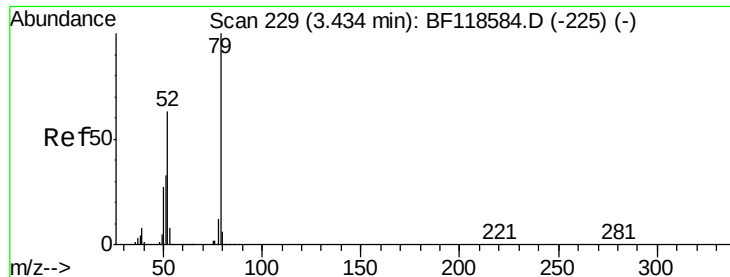
1,4-Dioxane  
Concen: 37.905 ng  
RT: 2.59 min Scan# 85  
Delta R.T. -0.04 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 64.8  | 51.9  | 77.9  |
| 43      | 24.7  | 19.3  | 28.9  |



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: 37.802 ng

RT: 3.34 min Scan# 213

Delta R.T. -0.04 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

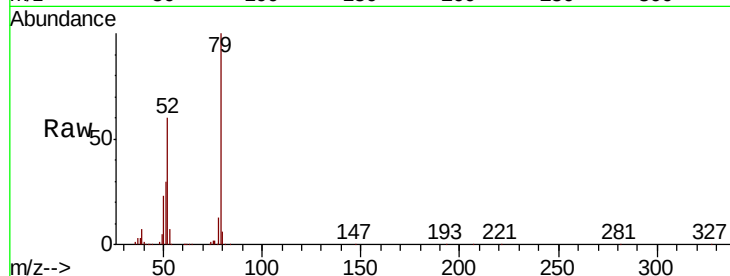
Tot Ion: 79 Resp: 962101

Ion Ratio Lower Upper

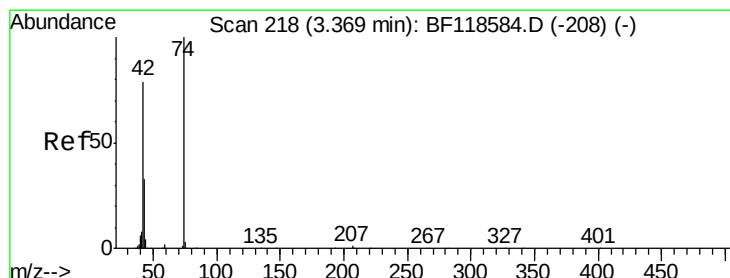
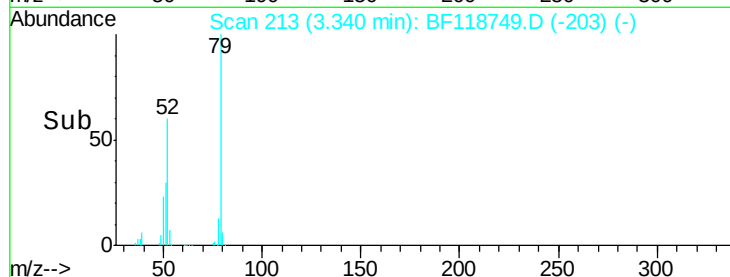
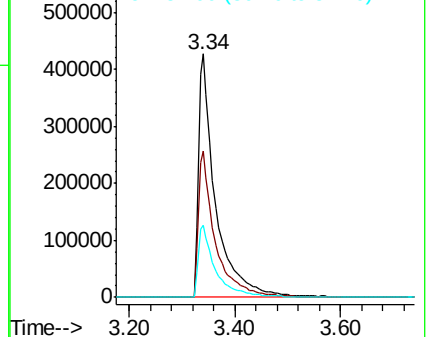
79 100

52 59.9 48.8 73.2

51 29.8 24.4 36.6



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 32.278 ng

RT: 3.29 min Scan# 204

Delta R.T. -0.04 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

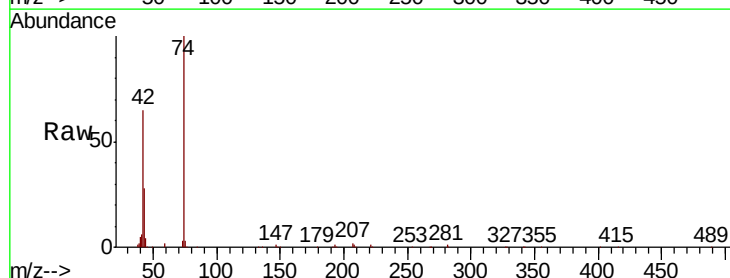
Tgt Ion: 42 Resp: 352196

Ion Ratio Lower Upper

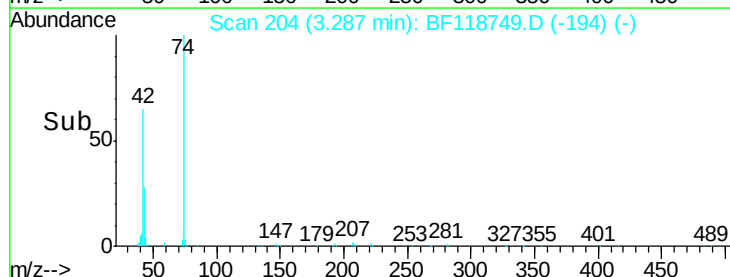
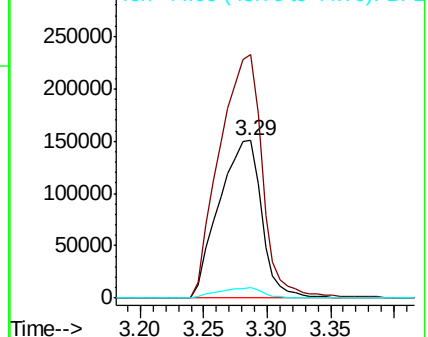
42 100

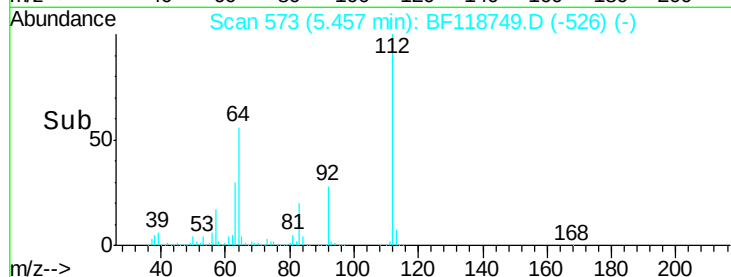
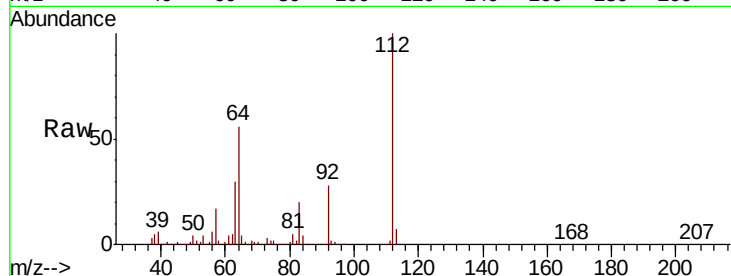
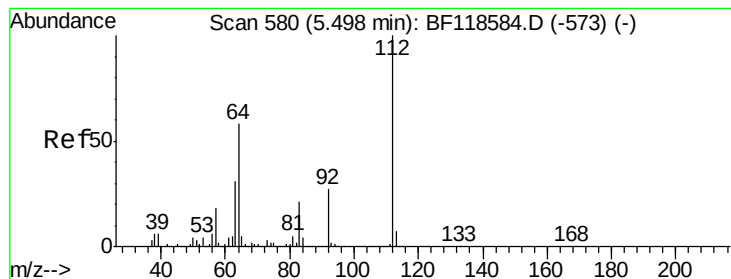
74 154.4 123.5 185.3

44 6.4 5.6 8.4



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 82.064 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

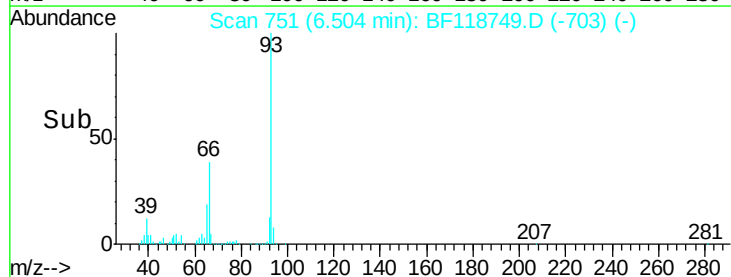
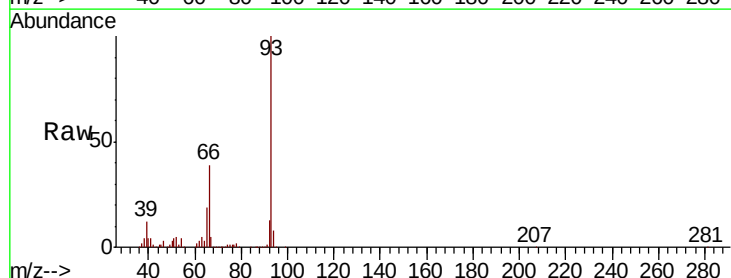
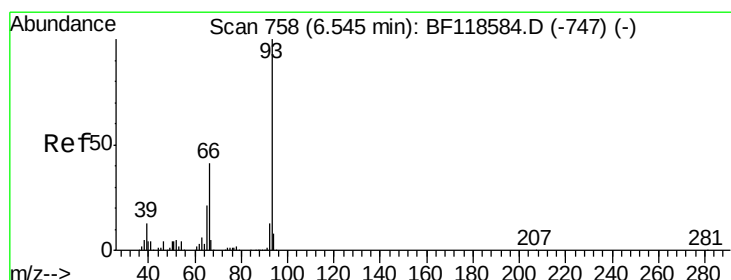
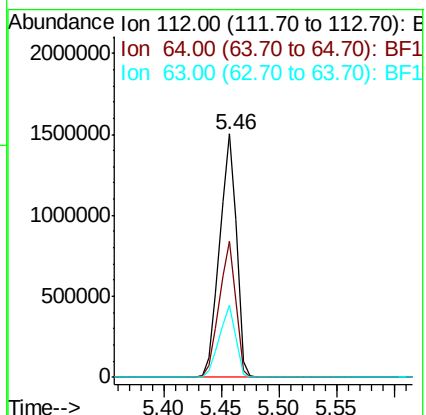
Tot Ion:112 Resp: 1529952

Ion Ratio Lower Upper

112 100

64 55.9 42.4 63.6

63 29.7 21.7 32.5



#6

Aniline

Concen: 38.908 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

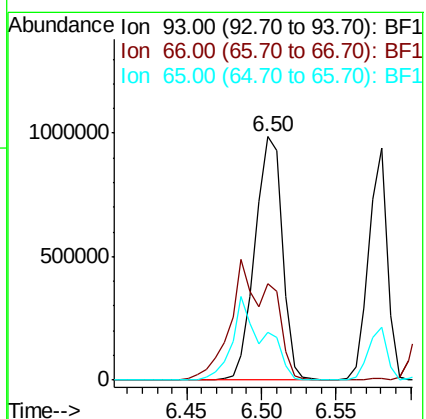
Tgt Ion: 93 Resp: 1241443

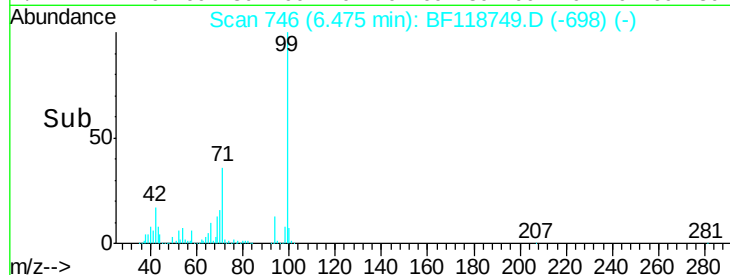
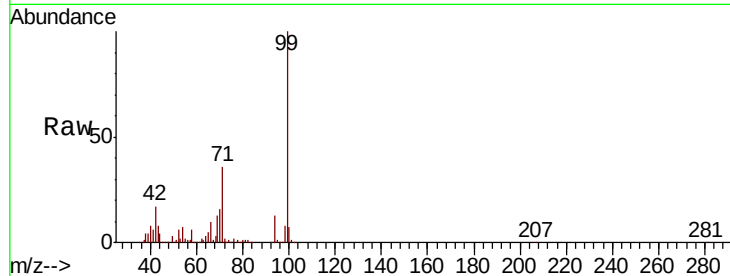
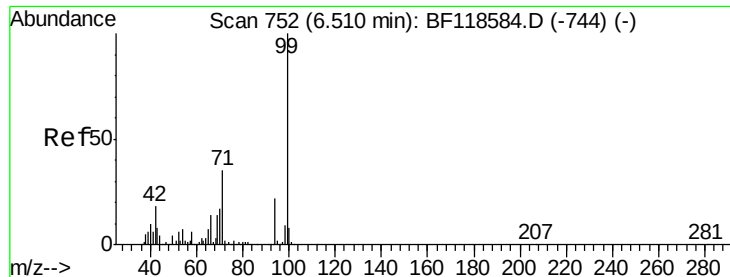
Ion Ratio Lower Upper

93 100

66 39.5 31.3 46.9

65 19.4 15.3 22.9





#7

Phenol-d6

Concen: 78.800 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Tot Ion: 99 Resp: 1909458

Ion Ratio Lower Upper

99 100

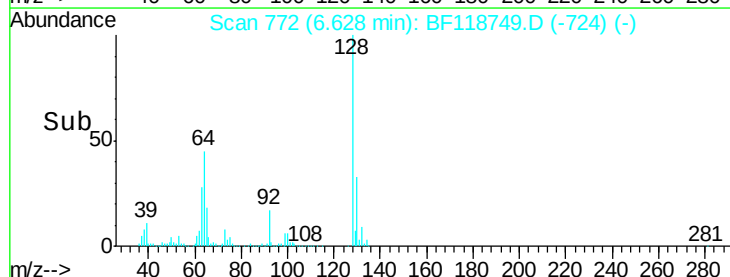
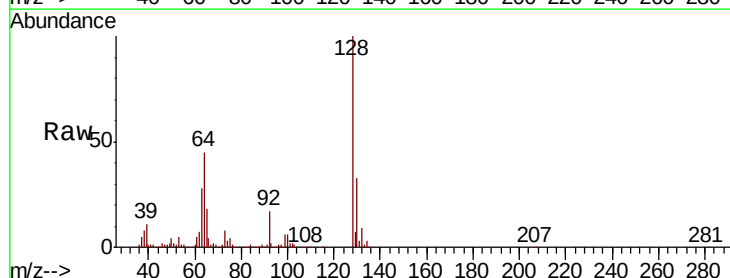
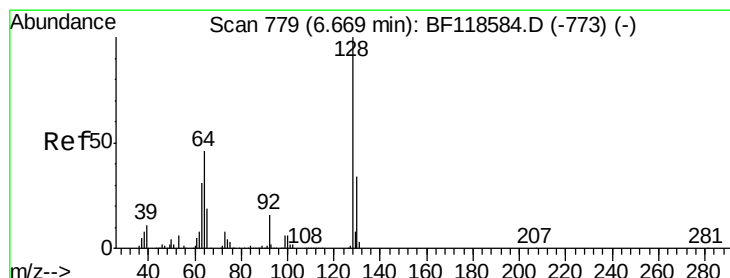
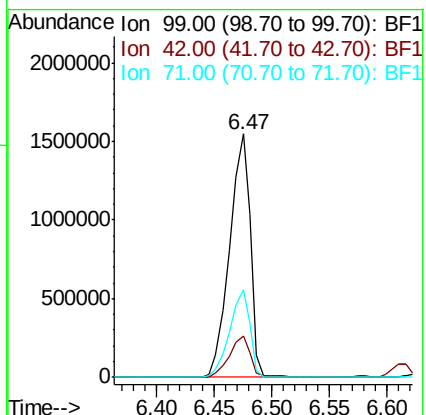
42 17.0 13.1 19.7

71 36.0 28.4 42.6

Instrument :

BNA\_F

ClientSampleId :



#8

2-Chlorophenol

Concen: 41.108 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

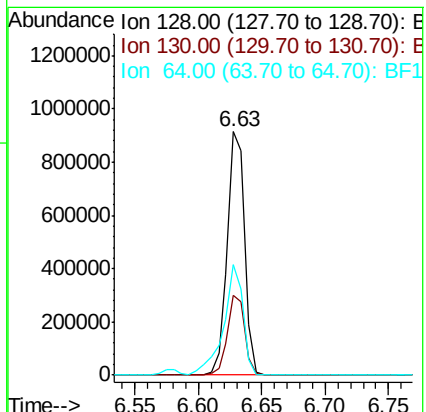
Tgt Ion: 128 Resp: 860226

Ion Ratio Lower Upper

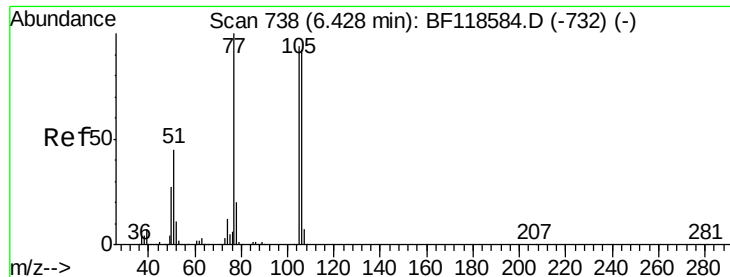
128 100

130 32.7 12.8 52.8

64 45.3 24.5 64.5







#9

Benzaldehyde

Concen: 37.804 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

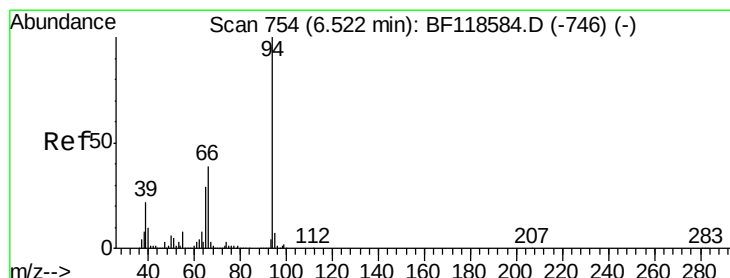
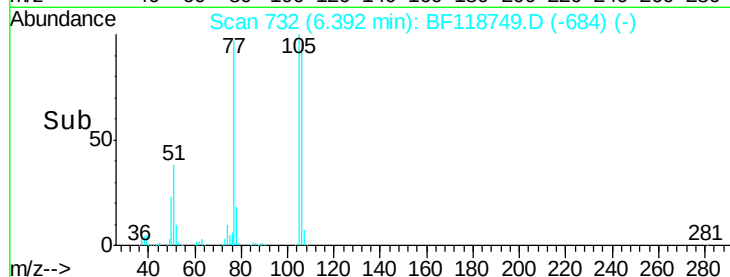
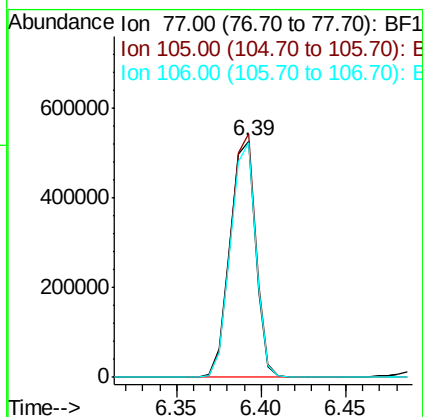
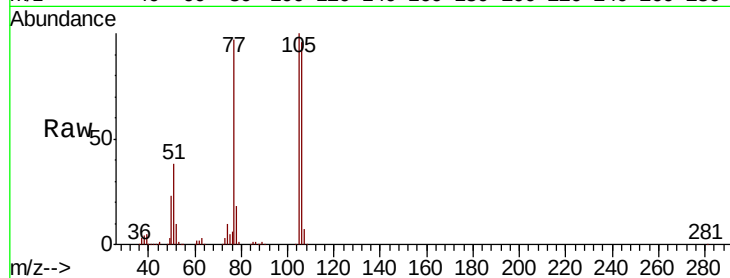
Tot Ion: 77 Resp: 557110

Ion Ratio Lower Upper

77 100

105 103.0 84.3 124.3

106 99.4 80.4 120.4



#10

Phenol

Concen: 38.526 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

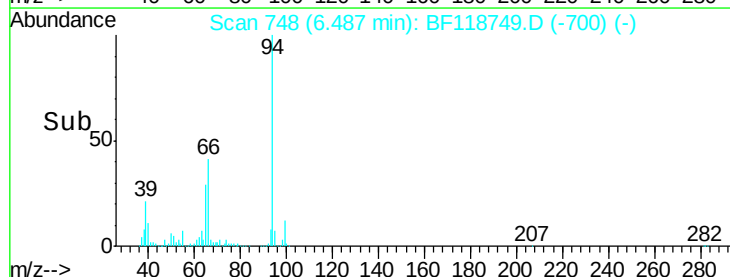
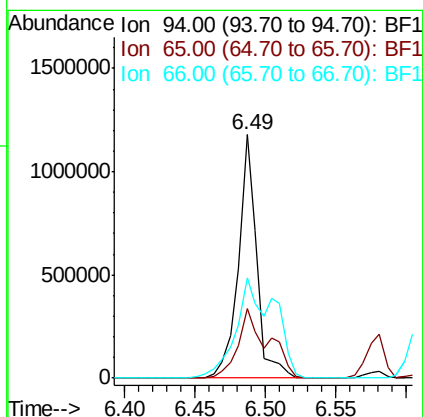
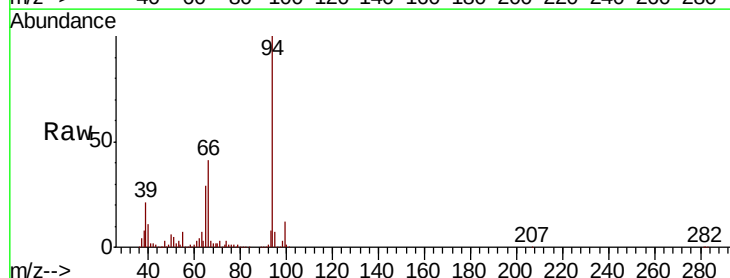
Tgt Ion: 94 Resp: 1063889

Ion Ratio Lower Upper

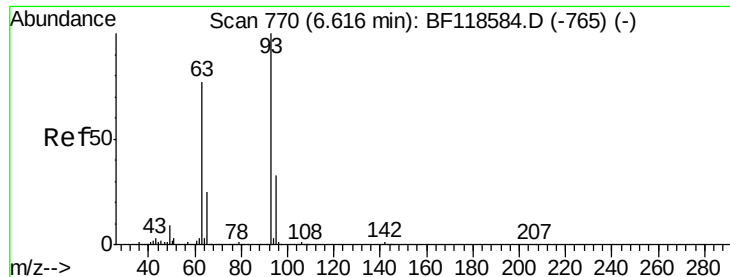
94 100

65 28.6 7.9 47.9

66 41.3 19.1 59.1







#11

bis(2-Chloroethyl)ether

Concen: 39.322 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

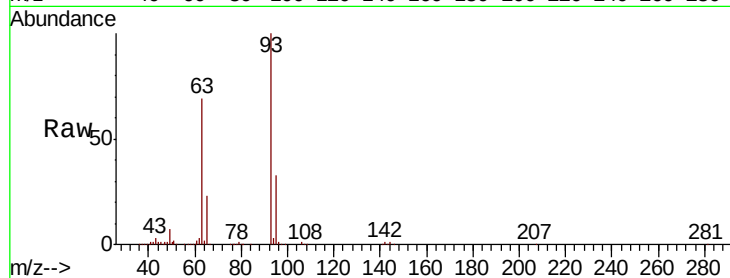
Tot Ion: 93 Resp: 805646

Ion Ratio Lower Upper

93 100

63 69.3 52.1 92.1

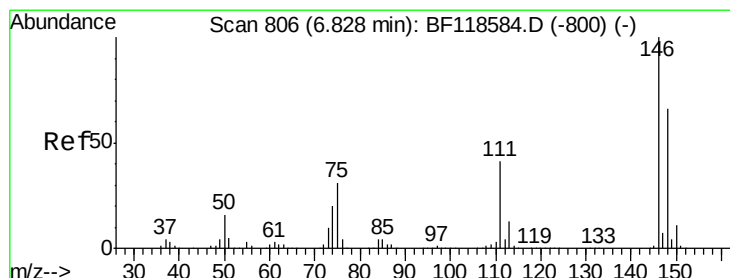
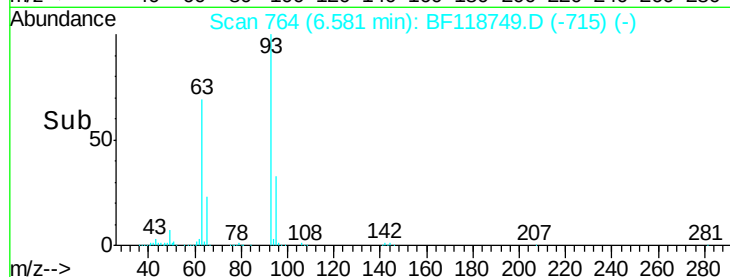
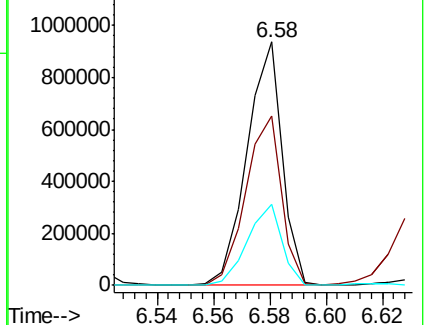
95 33.4 13.2 53.2



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 41.526 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

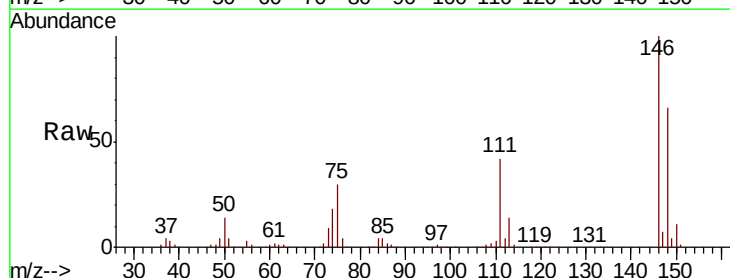
Tgt Ion: 146 Resp: 1017092

Ion Ratio Lower Upper

146 100

148 65.5 52.2 78.4

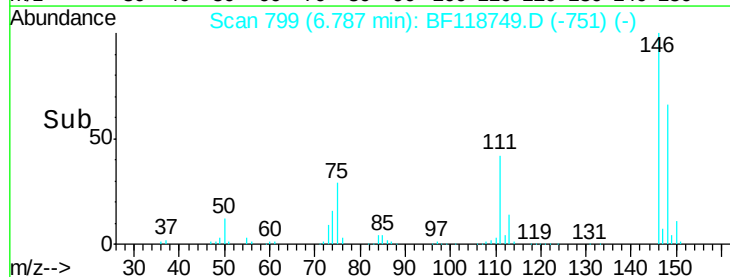
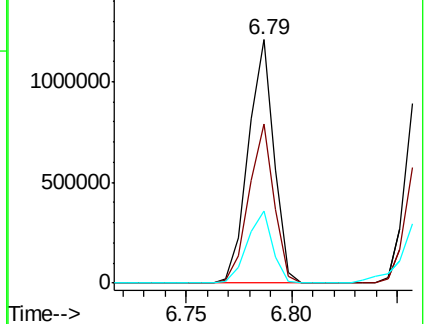
75 29.6 23.1 34.7

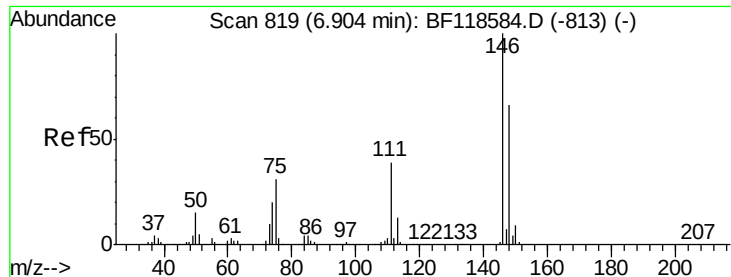


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

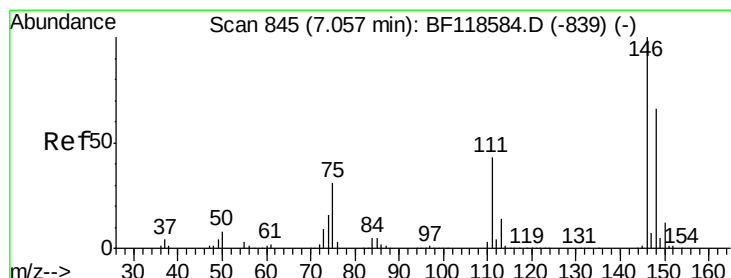
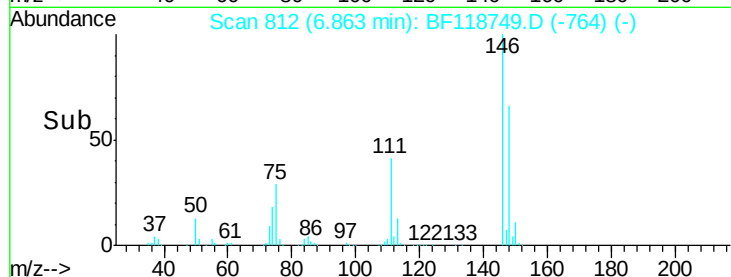
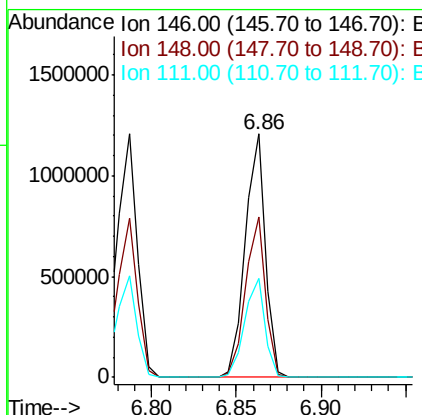
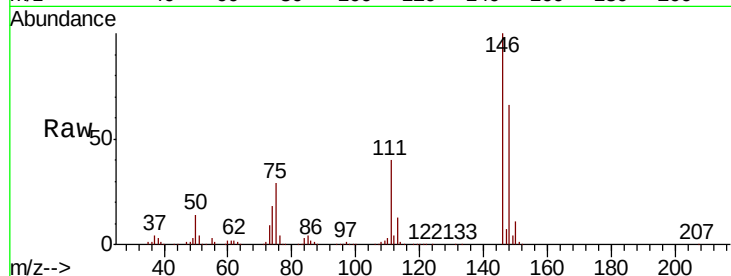




#13  
 1,4-Dichlorobenzene  
 Concen: 40.908 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

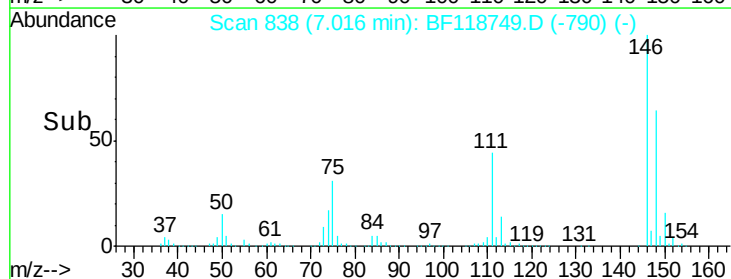
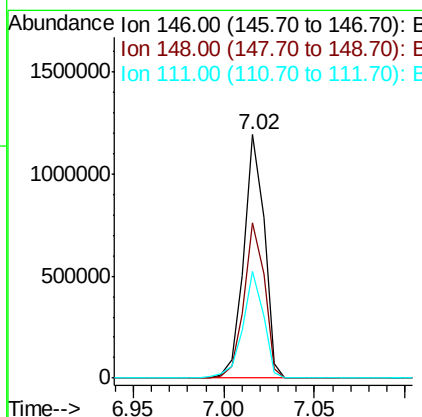
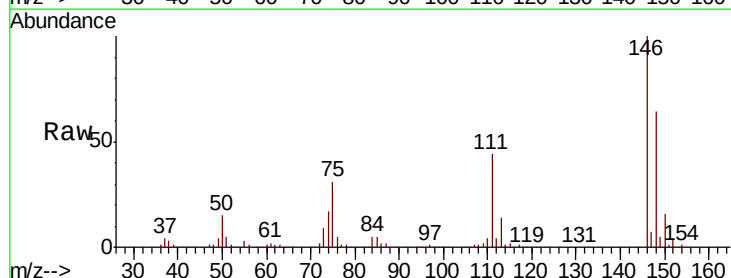
Instrument :  
 BNA\_F  
 ClientSampleId :

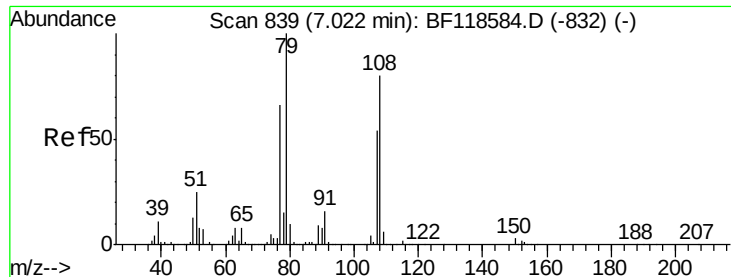
Tot Ion:146 Resp: 1005784  
 Ion Ratio Lower Upper  
 146 100  
 148 66.0 51.5 77.3  
 111 40.5 31.8 47.6



#14  
 1,2-Dichlorobenzene  
 Concen: 40.666 ng  
 RT: 7.02 min Scan# 838  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Tgt Ion:146 Resp: 939900  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 51.7 77.5  
 111 43.7 35.3 52.9





#15

Benzyl Alcohol

Concen: 38.539 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampled :

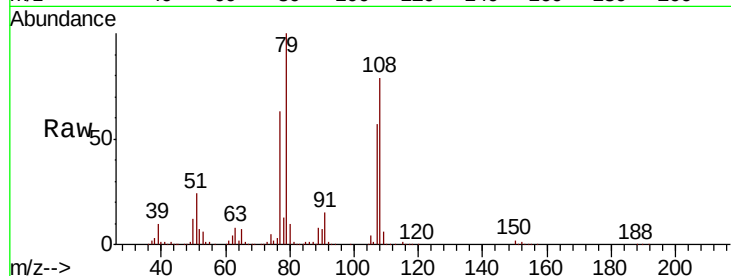
Tot Ion: 79 Resp: 740572

Ion Ratio Lower Upper

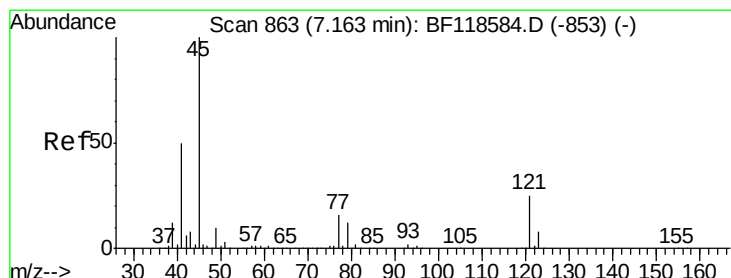
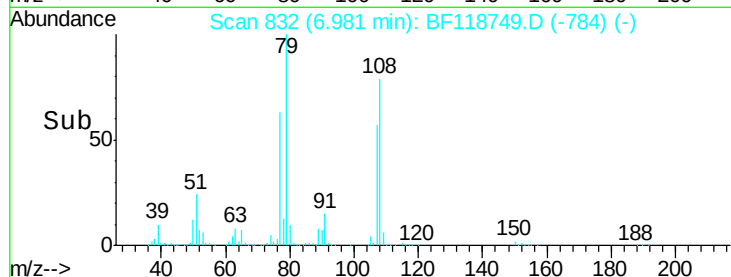
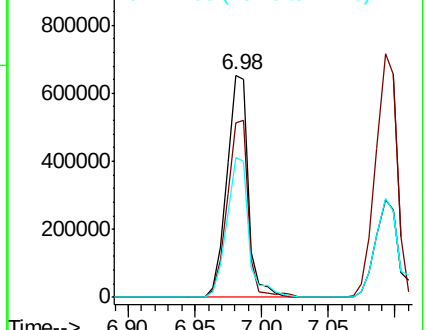
79 100

108 78.5 63.4 95.2

77 63.0 49.8 74.6



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: 34.990 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

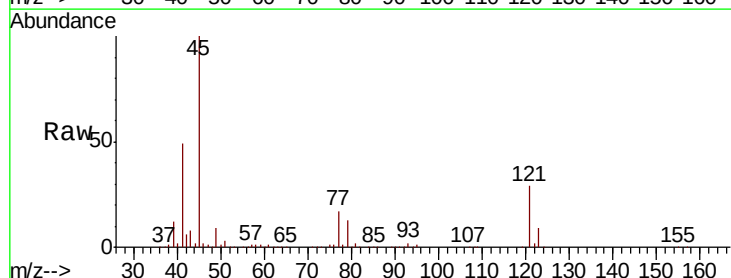
Tgt Ion: 45 Resp: 998536

Ion Ratio Lower Upper

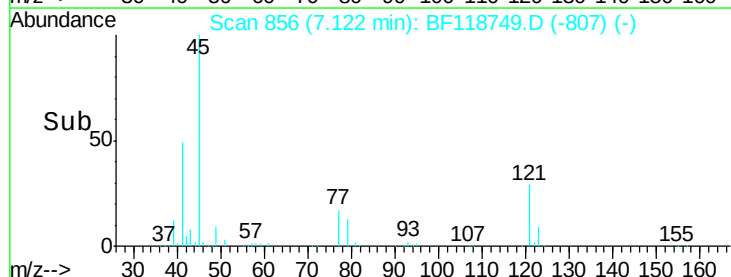
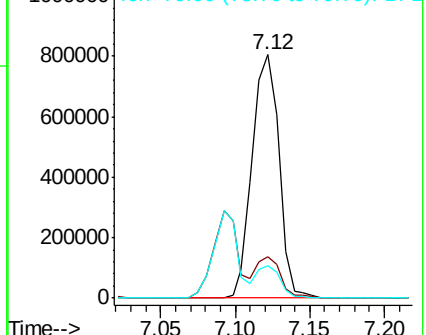
45 100

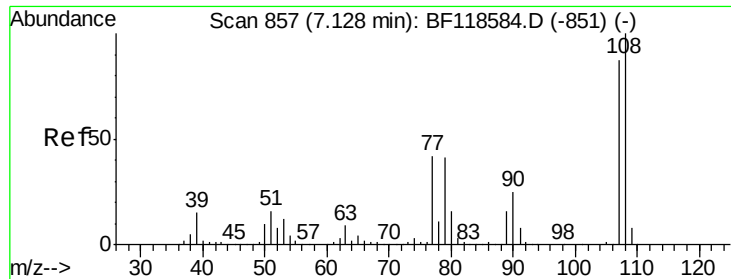
77 17.2 0.0 36.9

79 13.4 0.0 32.5



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: 40.512 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 706151

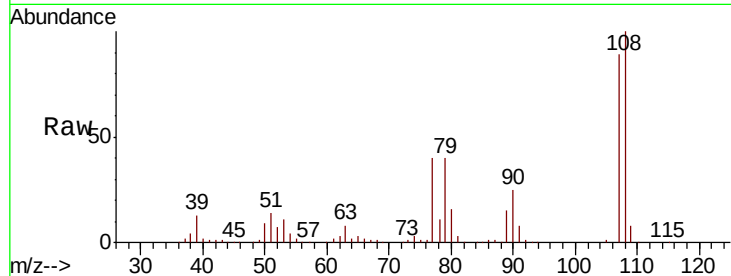
Ion Ratio Lower Upper

107 100

108 112.3 88.0 132.0

77 45.4 35.3 52.9

79 45.2 35.4 53.2

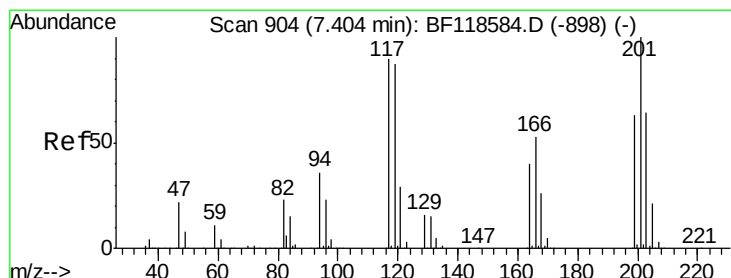
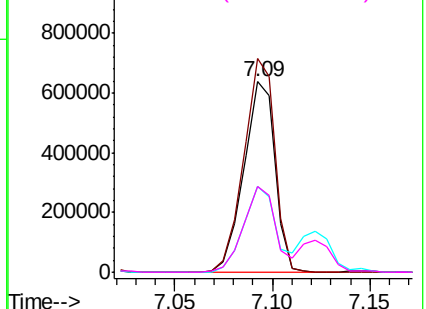
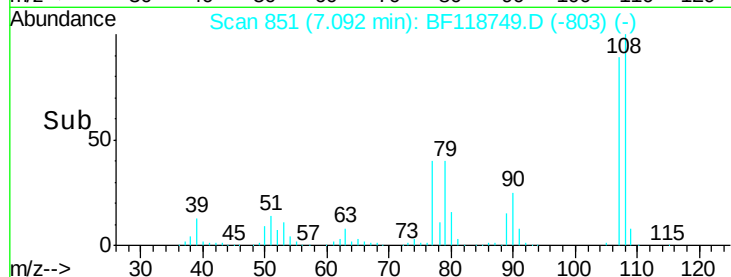


Abundance Ion 107.00 (106.70 to 107.70): E

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: 40.059 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

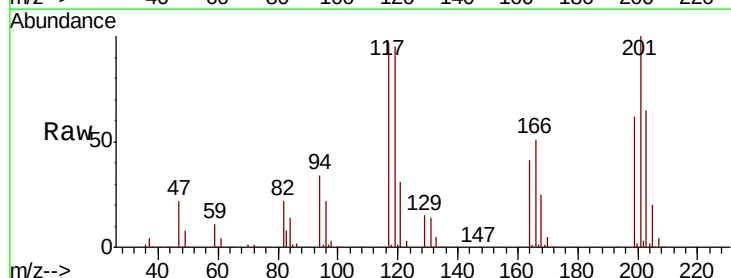
Tgt Ion:117 Resp: 357133

Ion Ratio Lower Upper

117 100

119 97.6 76.2 114.2

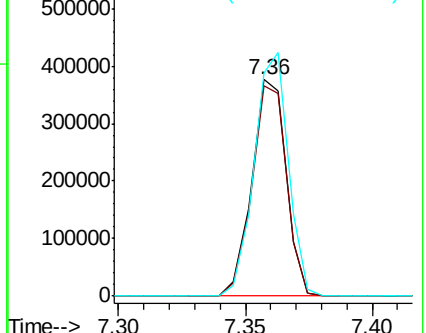
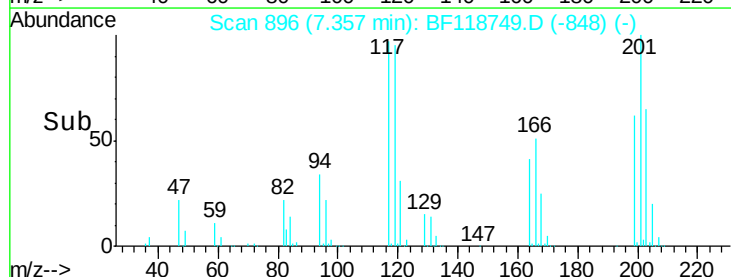
201 102.9 83.3 124.9

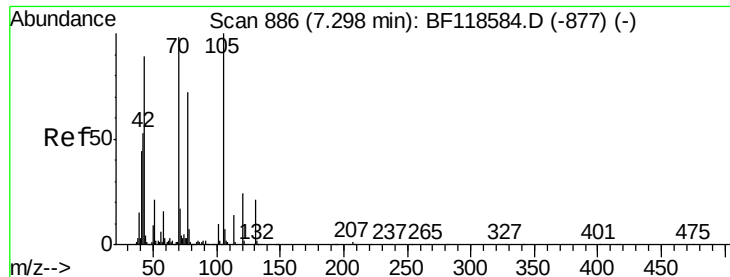


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

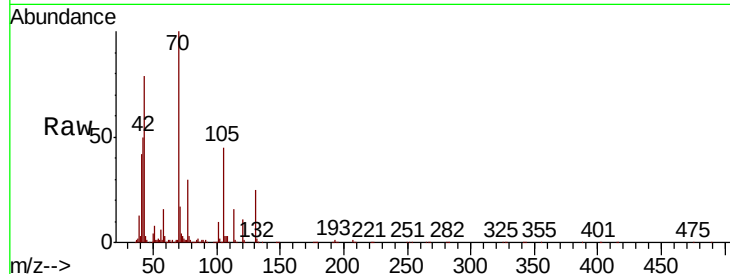




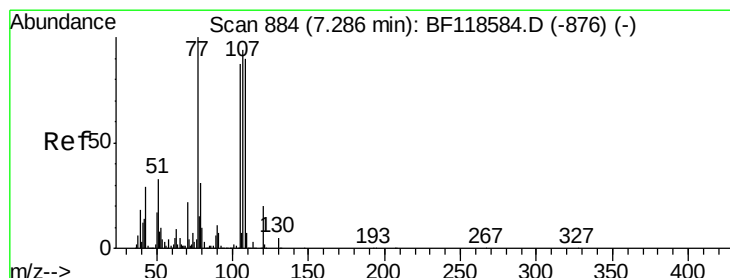
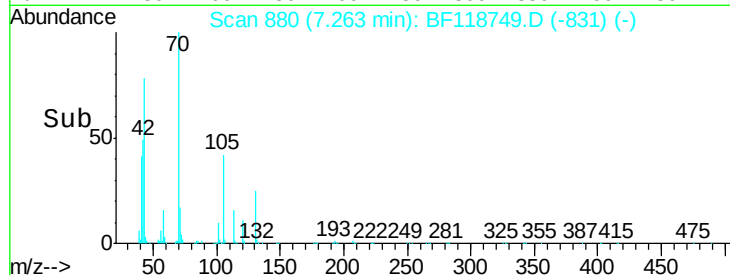
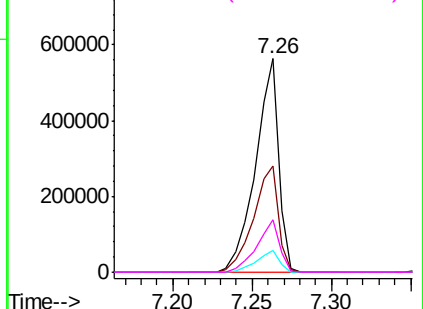
#19  
n-Nitroso-di-n-propylamine  
Concen: 35.150 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 575120 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 49.6  | 41.6  | 62.4   |
| 101      | 10.1  | 7.9   | 11.9   |
| 130      | 24.7  | 19.0  | 28.6   |

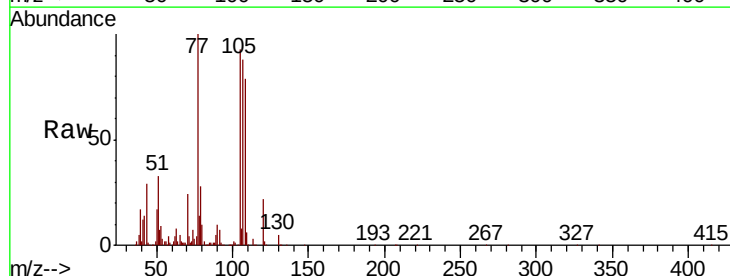


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

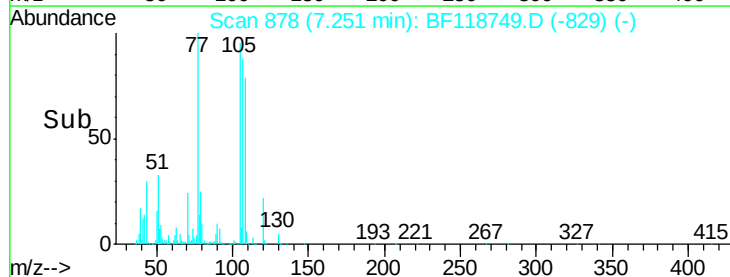
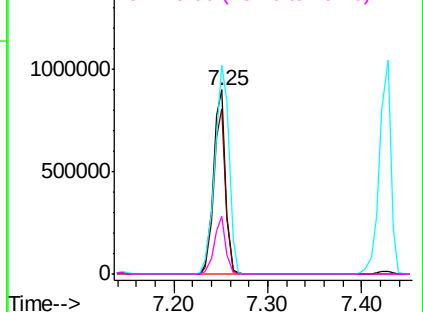


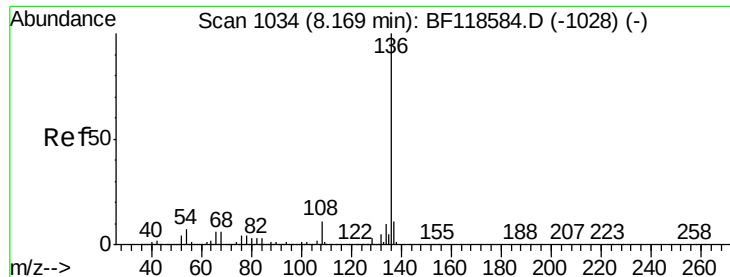
#20  
3+4-Methylphenols  
Concen: 38.825 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 826257 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.1  | 67.5  | 107.5  |
| 77       | 113.5 | 73.6  | 113.6  |
| 79       | 31.3  | 9.3   | 49.3   |



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

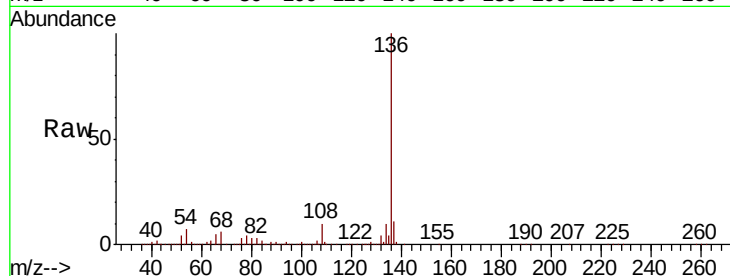




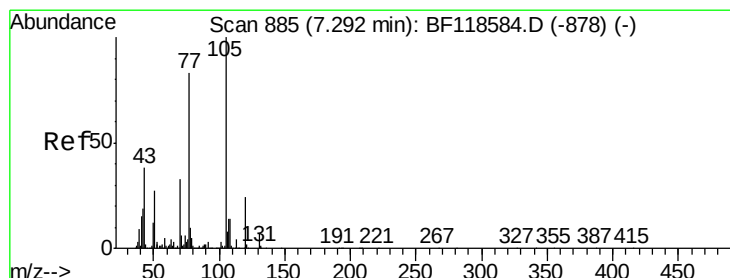
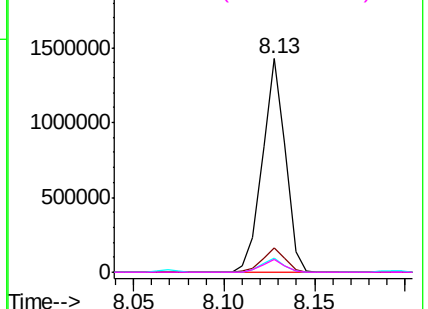
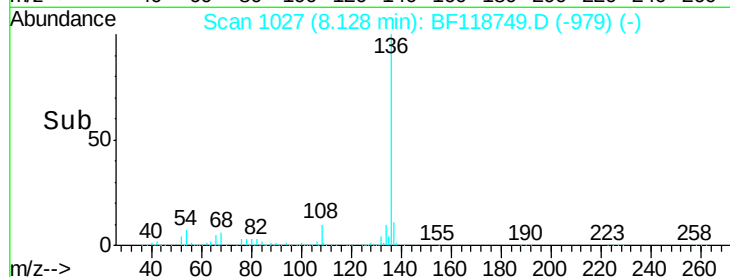
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1250181 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.2    | 8.9 13.3      |
| 54 6.5      | 5.1 7.7       |
| 68 5.8      | 4.3 6.5       |

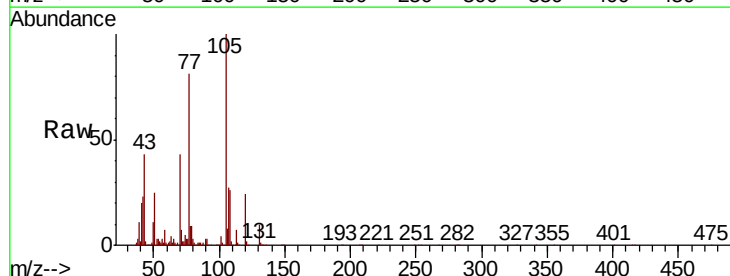


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

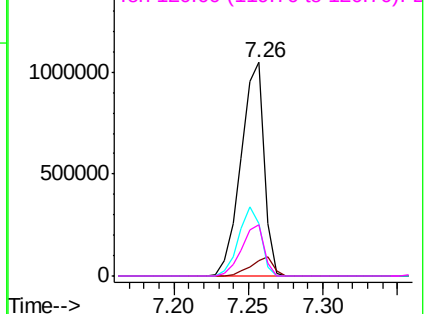
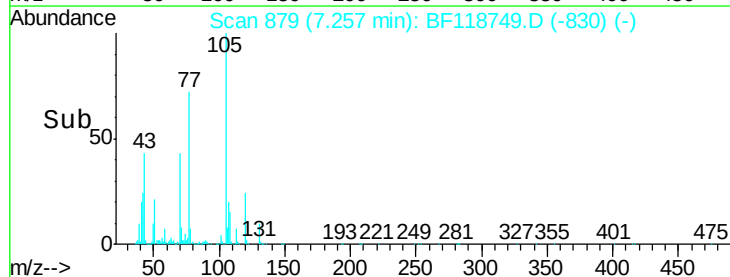


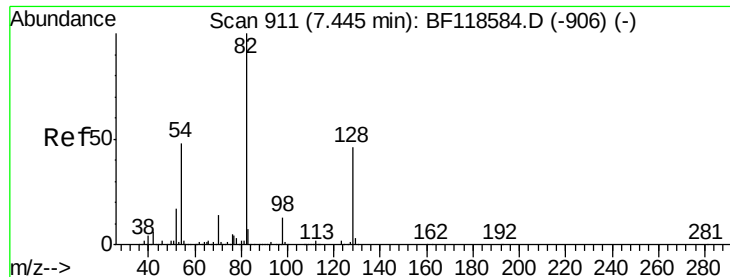
#22  
Acetophenone  
Concen: 37.972 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

|     |         |       |         |
|-----|---------|-------|---------|
| Tgt | Ion:105 | Resp: | 1124577 |
| Ion | Ratio   | Lower | Upper   |
| 105 | 100     |       |         |
| 71  | 7.5     | 4.3   | 6.5#    |
| 51  | 24.7    | 23.5  | 35.3    |
| 120 | 23.9    | 18.6  | 28.0    |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E



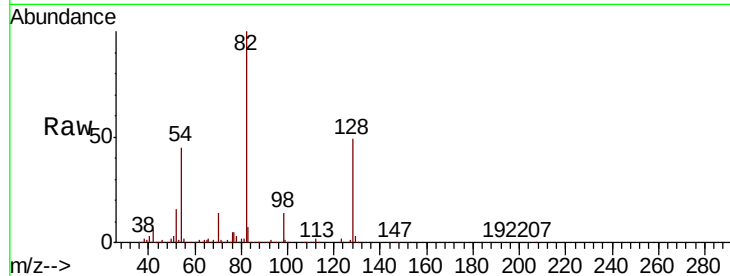


#23  
 Nitrobenzene-d5  
 Concen: 77.337 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

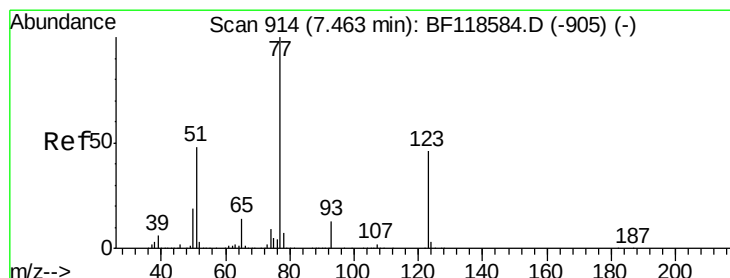
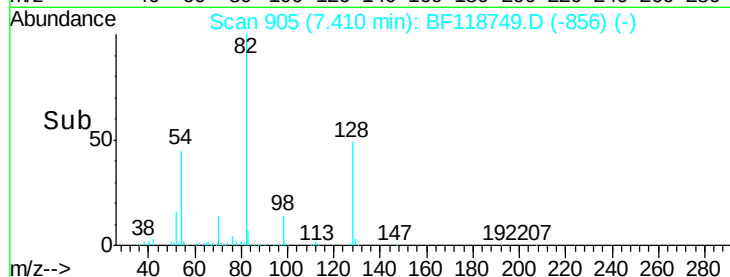
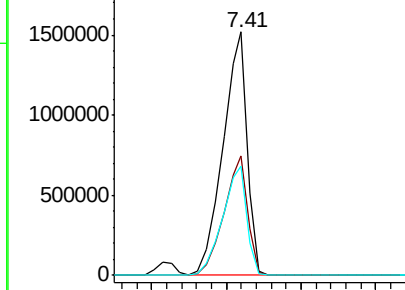
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 1728562

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 49.2  | 38.2  | 57.2  |
| 54  | 45.1  | 36.1  | 54.1  |



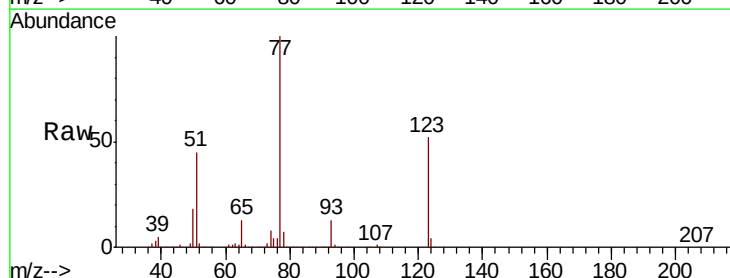
Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1



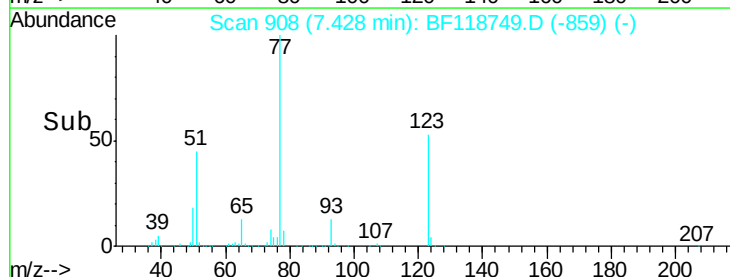
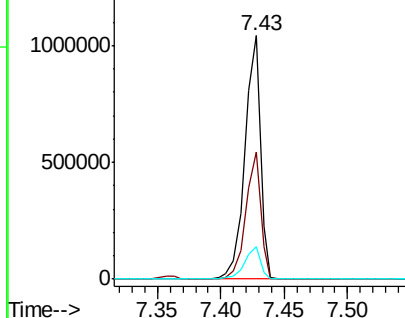
#24  
 Nitrobenzene  
 Concen: 38.285 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Tgt Ion: 77 Resp: 876178

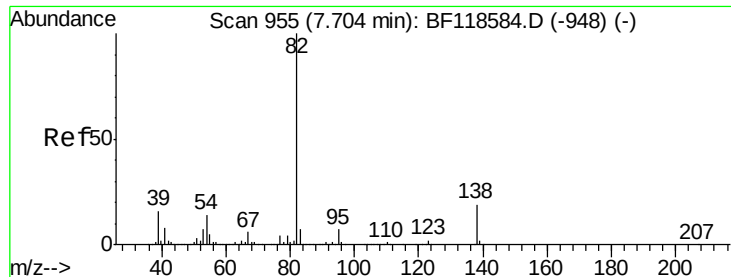
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 52.4  | 39.2  | 58.8  |
| 65  | 13.3  | 10.6  | 15.8  |



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







#25

Isophorone

Concen: 37.780 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

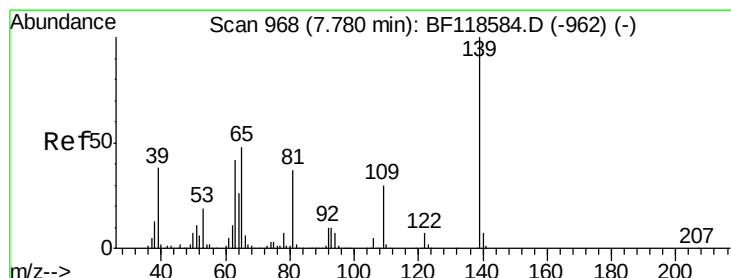
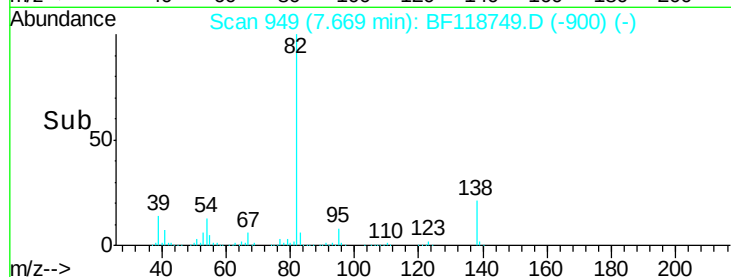
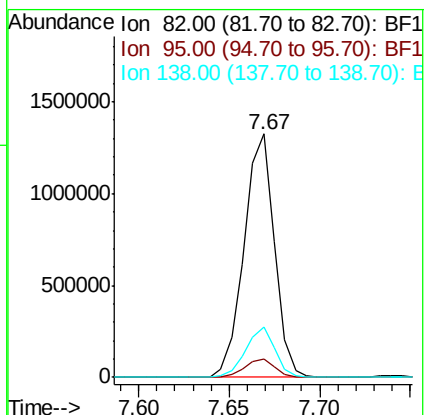
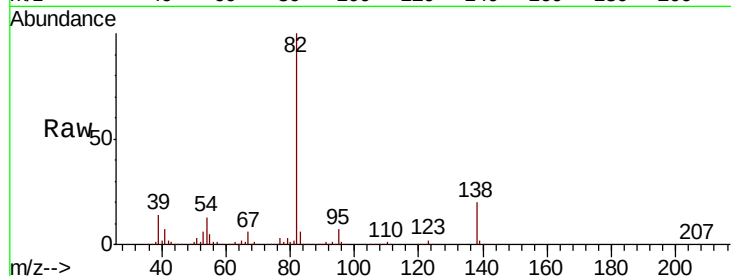
Tot Ion: 82 Resp: 1540180

Ion Ratio Lower Upper

82 100

95 7.4 5.8 8.8

138 20.5 15.8 23.8



#26

2-Nitrophenol

Concen: 47.423 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

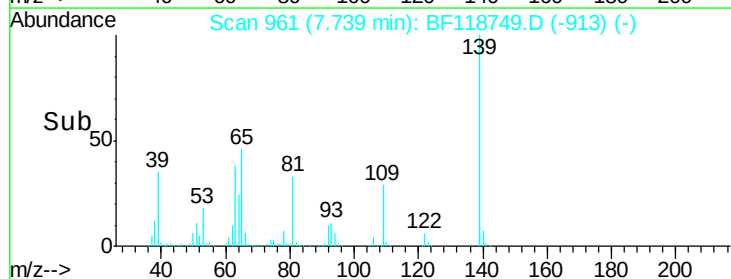
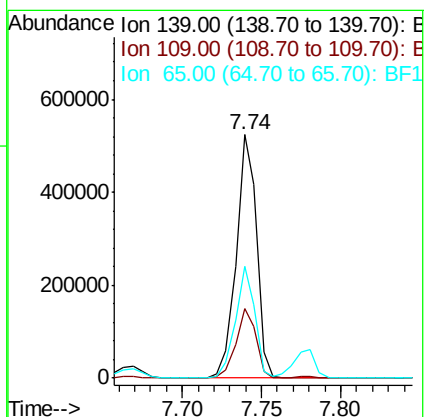
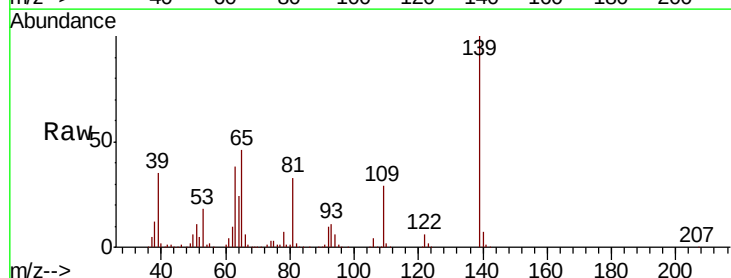
Tgt Ion: 139 Resp: 462828

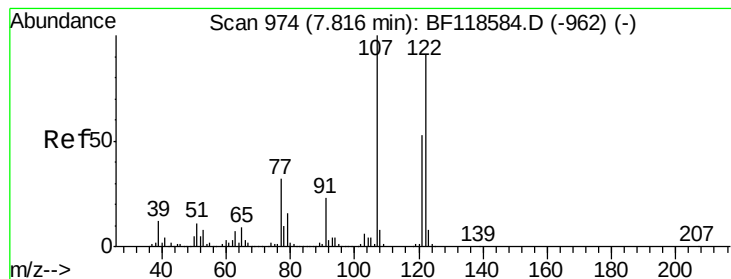
Ion Ratio Lower Upper

139 100

109 28.7 23.1 34.7

65 46.0 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 37.225 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

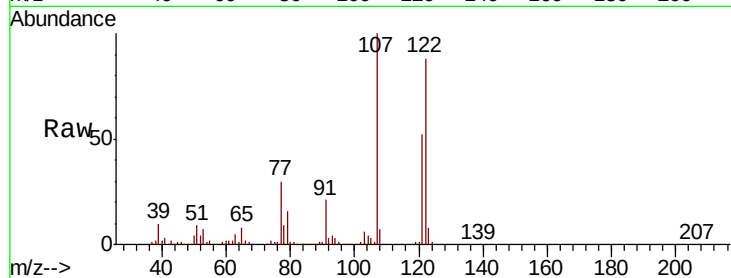
Tot Ion:122 Resp: 627346

Ion Ratio Lower Upper

122 100

107 113.6 91.8 137.8

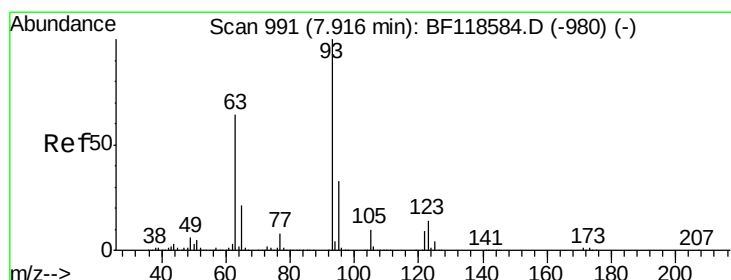
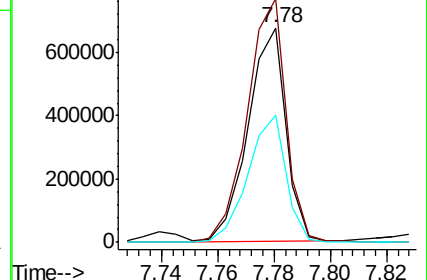
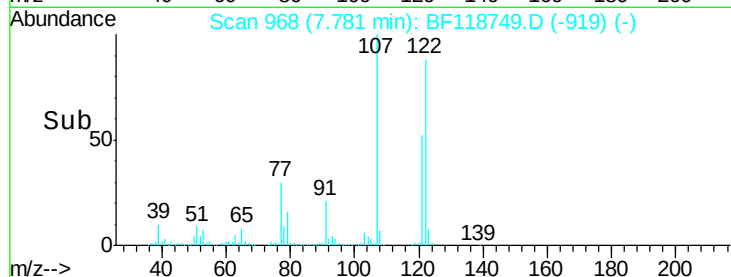
121 59.3 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.905 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

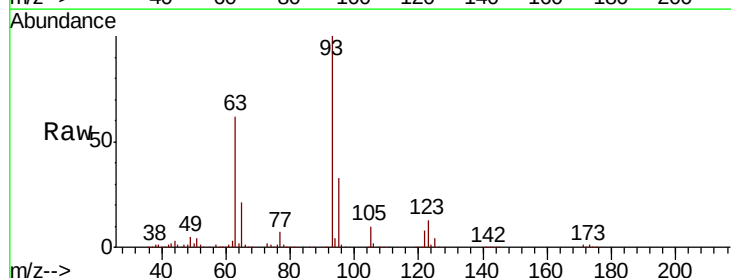
Tgt Ion: 93 Resp: 1021963

Ion Ratio Lower Upper

93 100

95 33.3 26.8 40.2

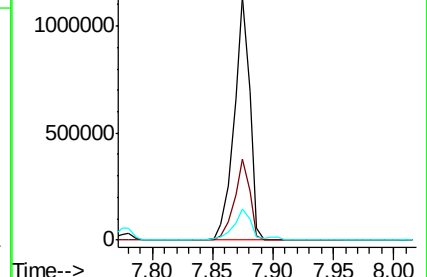
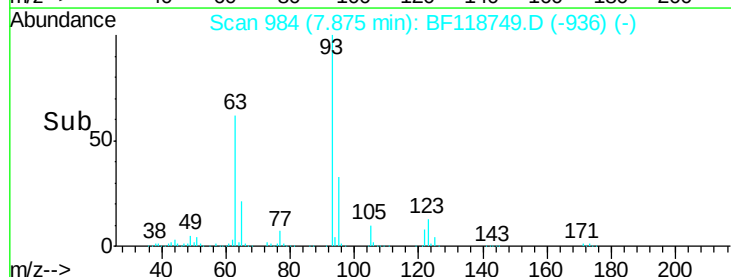
123 12.8 10.7 16.1

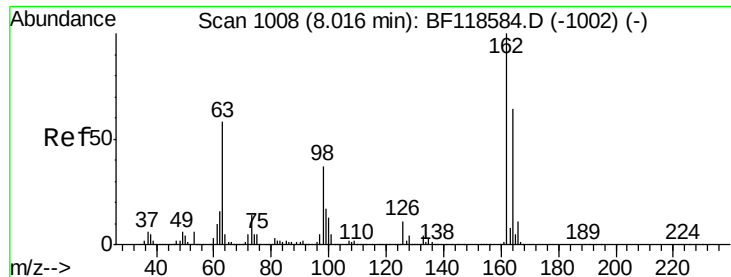


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

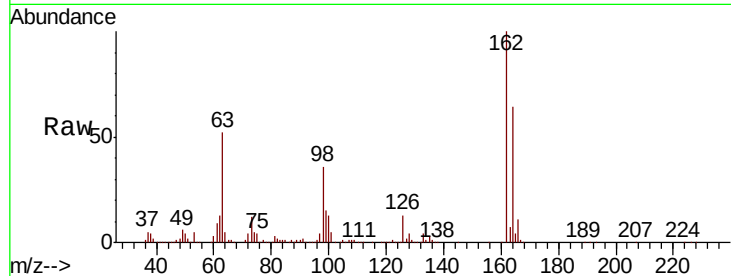




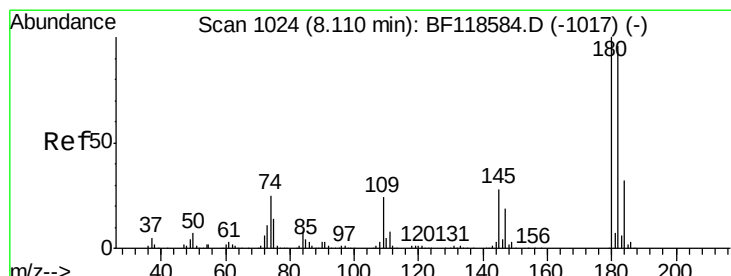
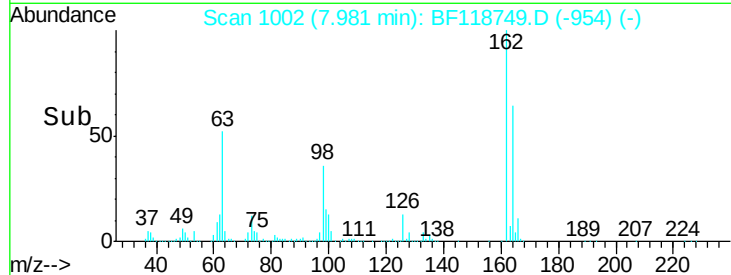
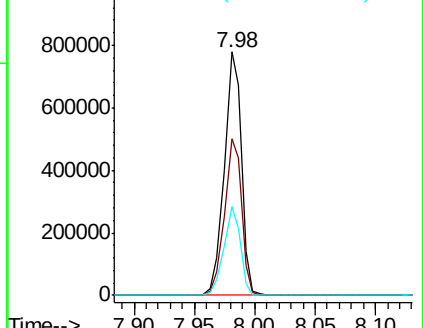
#29  
 2,4-Dichlorophenol  
 Concen: 40.967 ng  
 RT: 7.98 min Scan# 1002  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.2  | 43.8  | 83.8  |
| 98      | 36.4  | 15.0  | 55.0  |

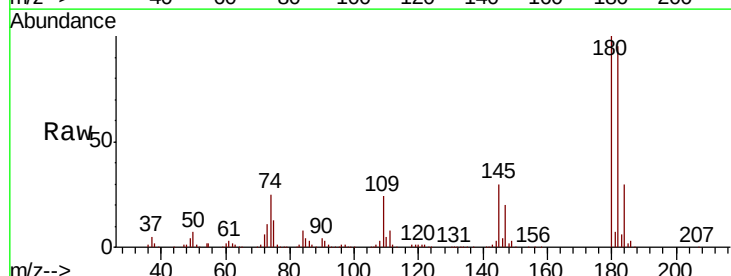


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

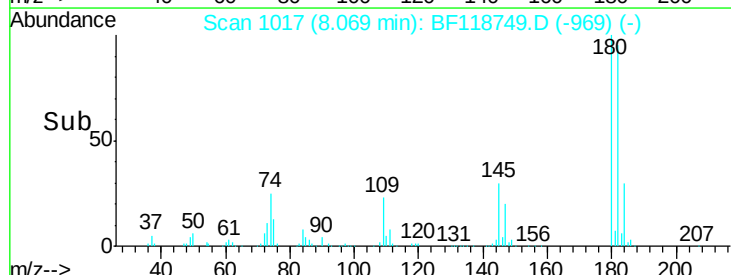
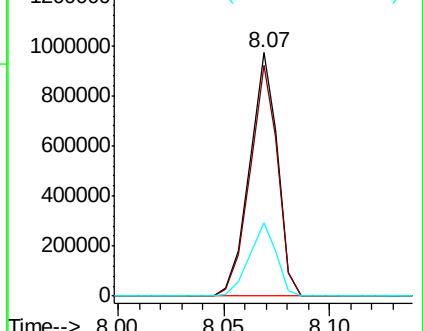


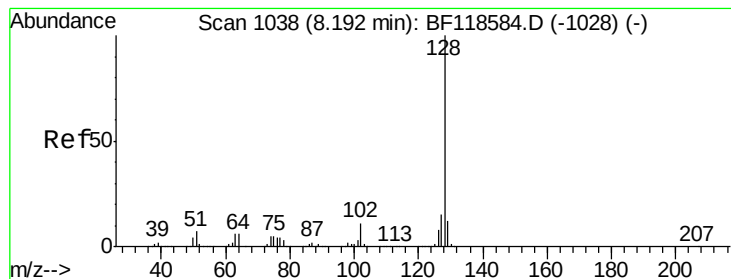
#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.124 ng  
 RT: 8.07 min Scan# 1017  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 77.0  | 115.4 |
| 145     | 30.1  | 23.5  | 35.3  |



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





#31

Naphthalene

Concen: 42.015 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

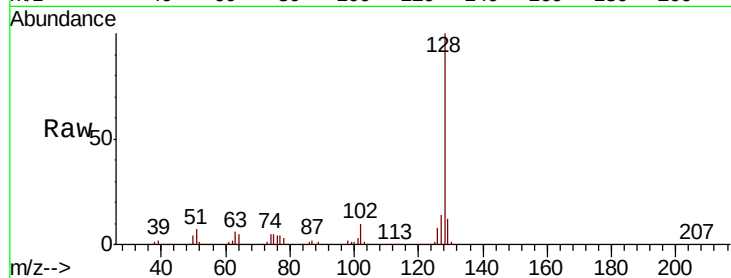
Tot Ion:128 Resp: 2372802

Ion Ratio Lower Upper

128 100

129 12.0 9.4 14.0

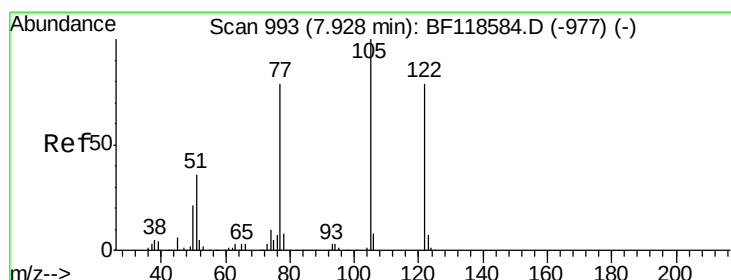
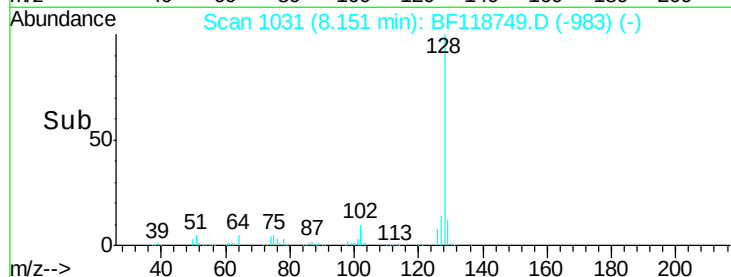
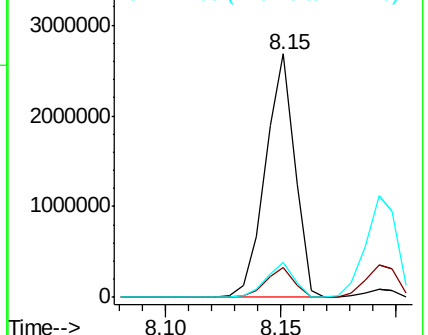
127 14.5 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 32.807 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

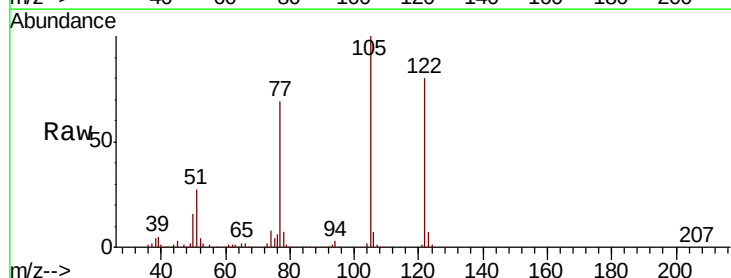
Tgt Ion:122 Resp: 414947

Ion Ratio Lower Upper

122 100

105 124.6 100.9 140.9

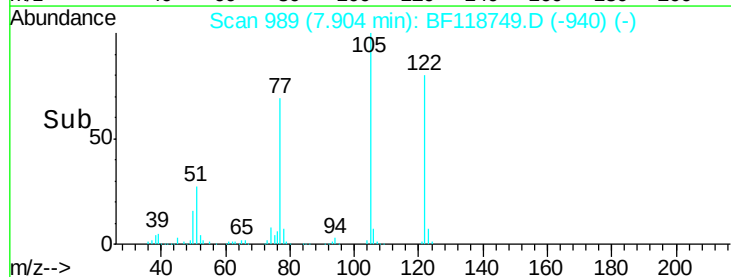
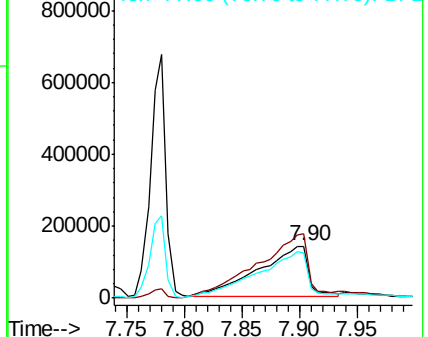
77 85.9 65.1 105.1

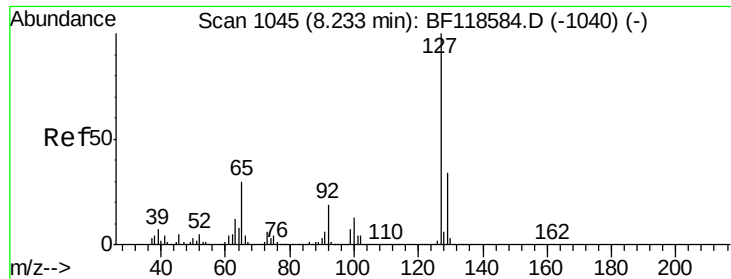


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

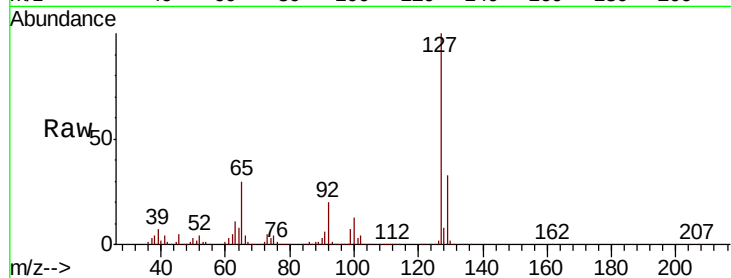




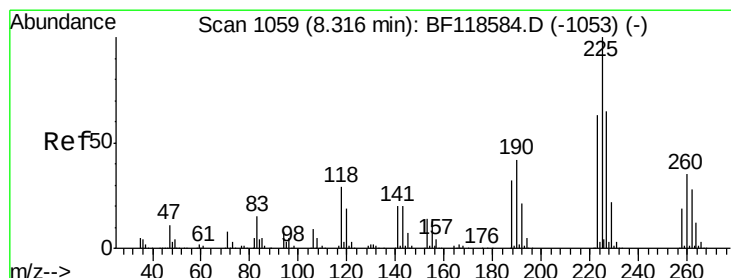
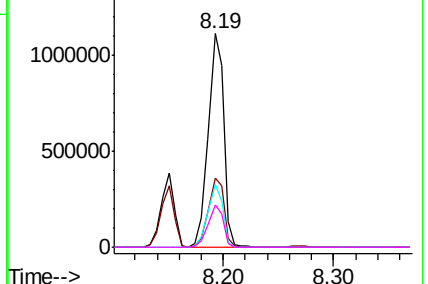
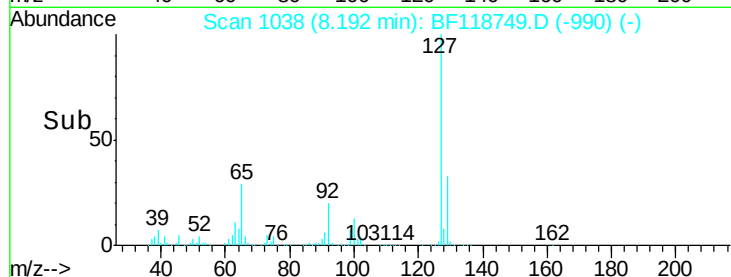
#33  
4-Chloroaniline  
Concen: 40.241 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:127 Resp: 1050406  
Ion Ratio Lower Upper  
127 100  
129 32.5 26.4 39.6  
65 29.6 22.6 33.8  
92 19.8 15.3 22.9

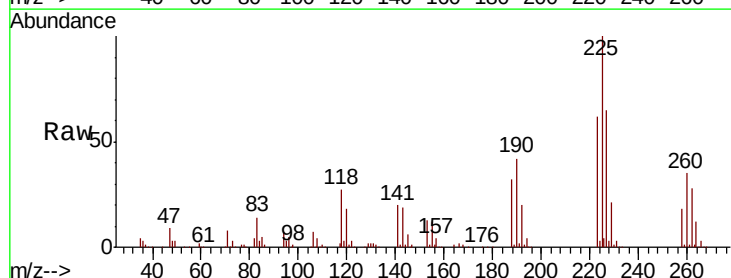


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

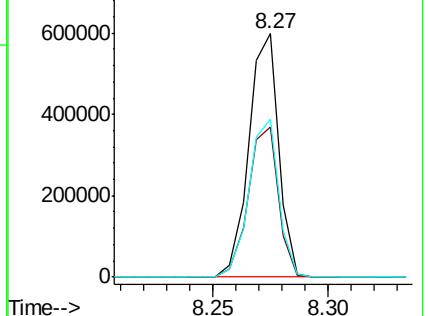
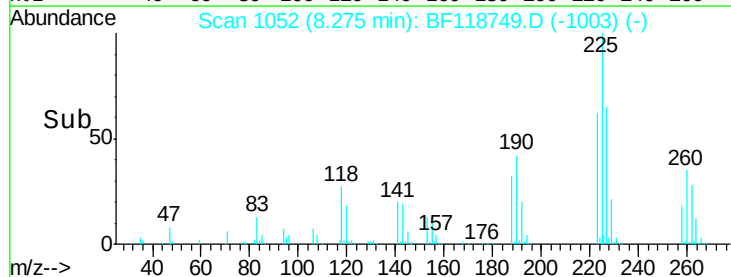


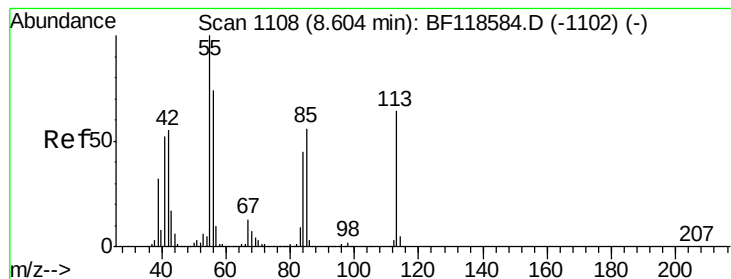
#34  
Hexachlorobutadiene  
Concen: 41.113 ng  
RT: 8.27 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:225 Resp: 540824  
Ion Ratio Lower Upper  
225 100  
223 61.9 50.3 75.5  
227 64.7 50.5 75.7



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: 38.296 ng

RT: 8.57 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

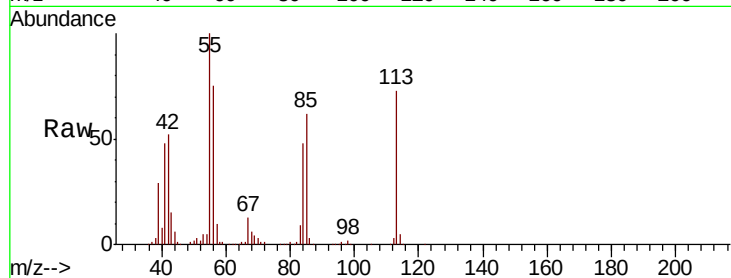
Tot Ion:113 Resp: 233478

Ion Ratio Lower Upper

113 100

55 137.7 119.0 159.0

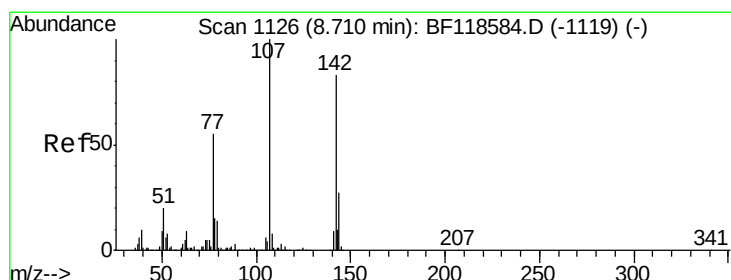
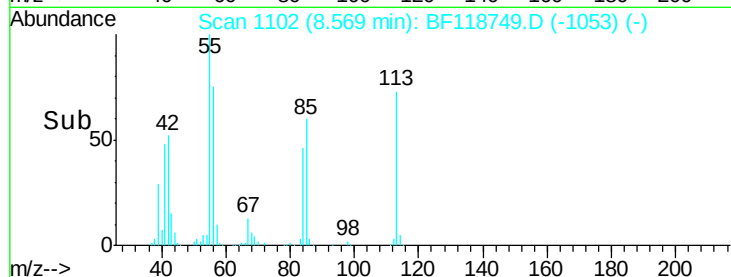
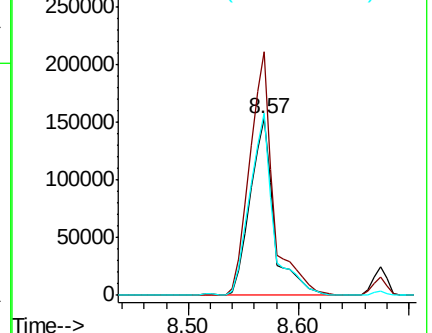
56 103.1 85.4 125.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 40.490 ng

RT: 8.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

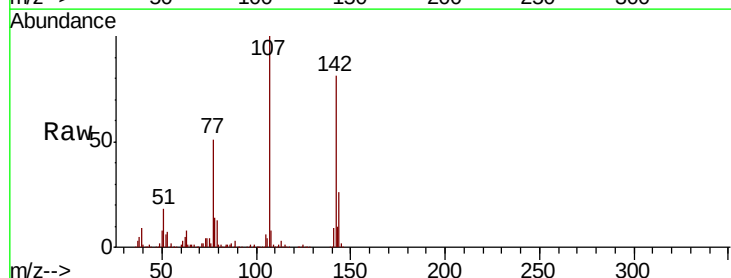
Tgt Ion:107 Resp: 744908

Ion Ratio Lower Upper

107 100

144 26.3 20.9 31.3

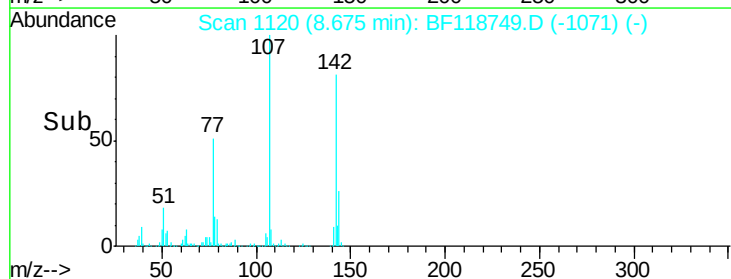
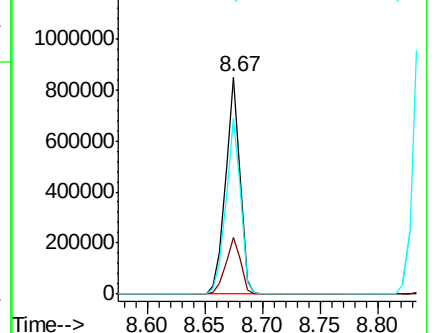
142 80.9 64.5 96.7

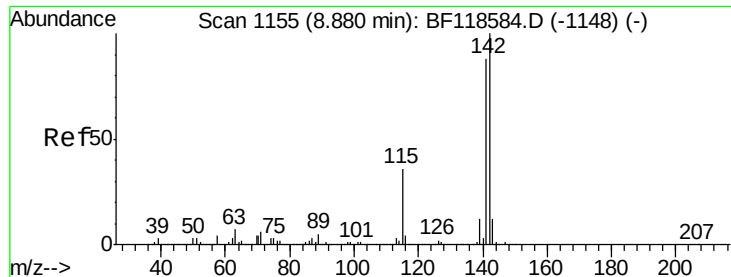


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

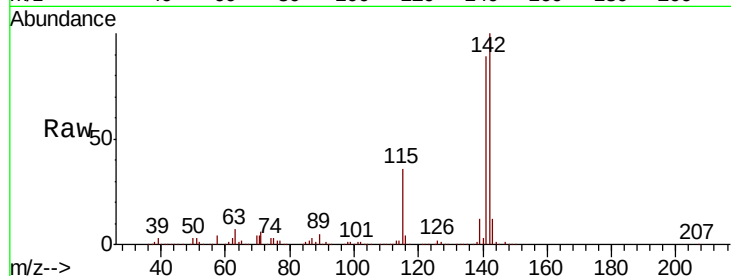




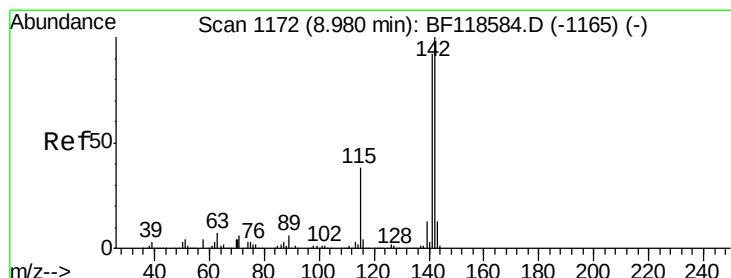
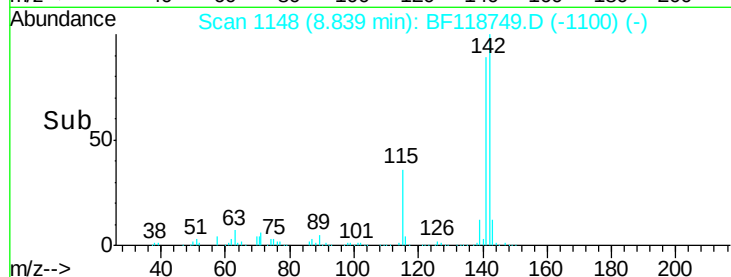
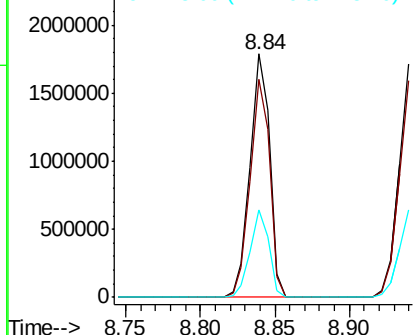
#37  
2-Methylnaphthalene  
Concen: 40.635 ng  
RT: 8.84 min Scan# 1148  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:142 Resp: 1619852  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.4 107.0  
115 36.1 27.5 41.3

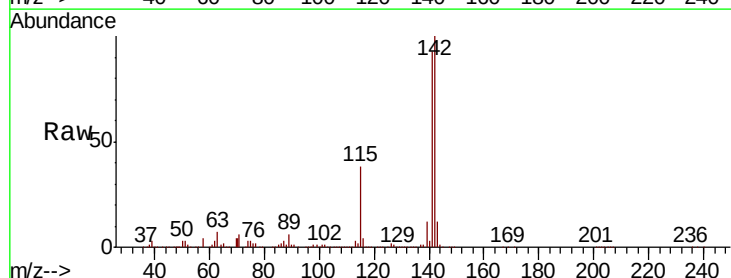


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

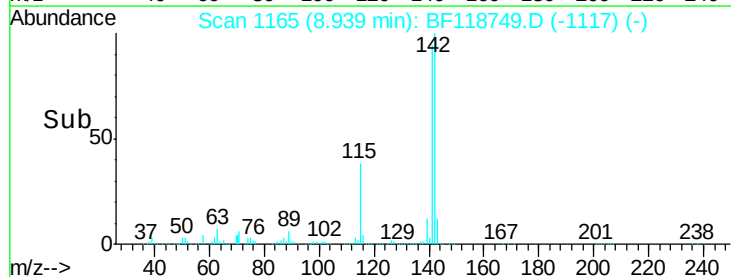
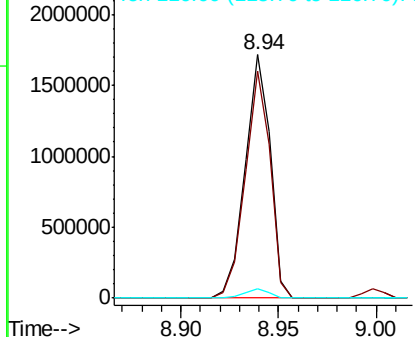


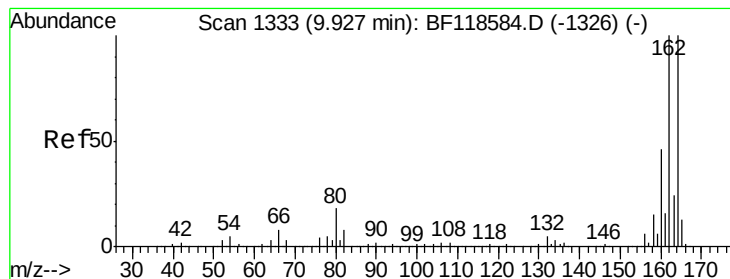
#38  
1-Methylnaphthalene  
Concen: 40.274 ng  
RT: 8.94 min Scan# 1165  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:142 Resp: 1525242  
Ion Ratio Lower Upper  
142 100  
141 93.0 73.5 110.3  
116 3.9 3.0 4.6



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: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampled :

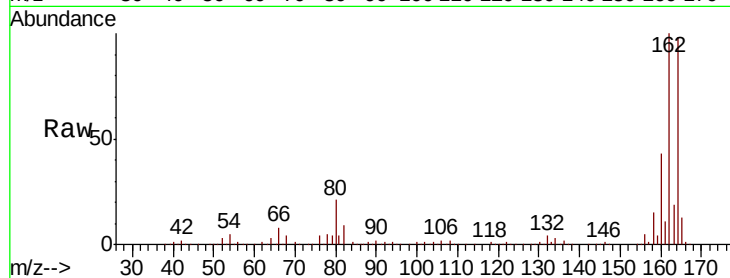
Tot Ion:164 Resp: 688511

Ion Ratio Lower Upper

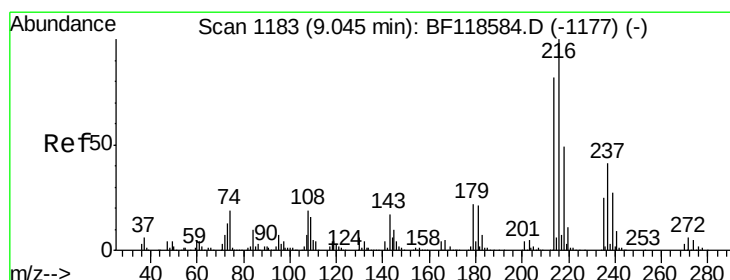
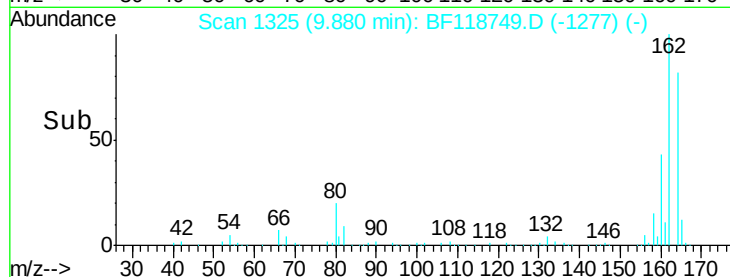
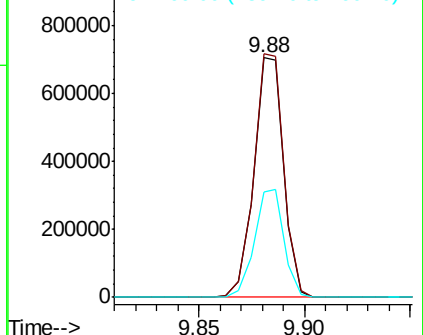
164 100

162 101.7 80.8 121.2

160 44.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.310 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Tgt Ion:216 Resp: 868412

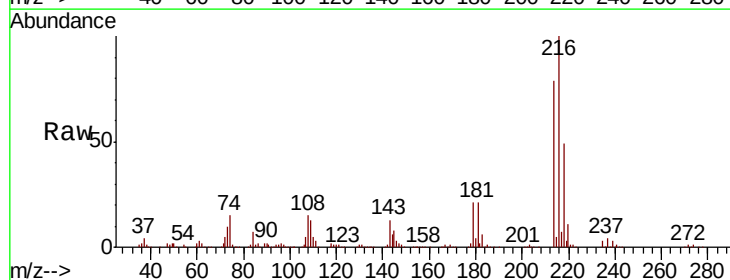
Ion Ratio Lower Upper

216 100

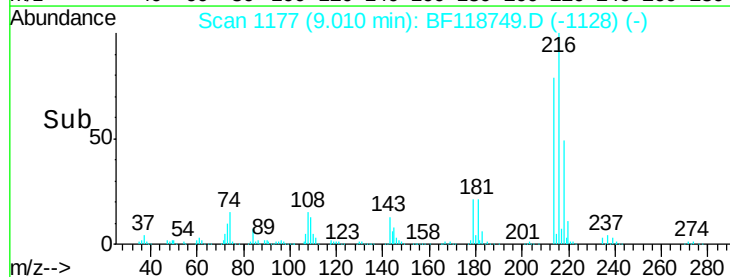
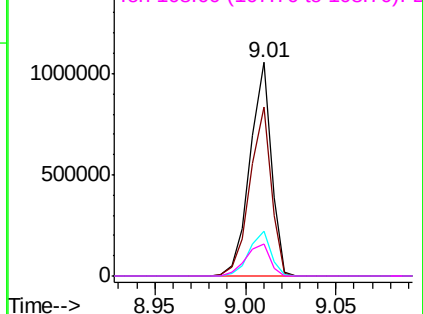
214 78.9 63.4 95.2

179 21.1 17.0 25.4

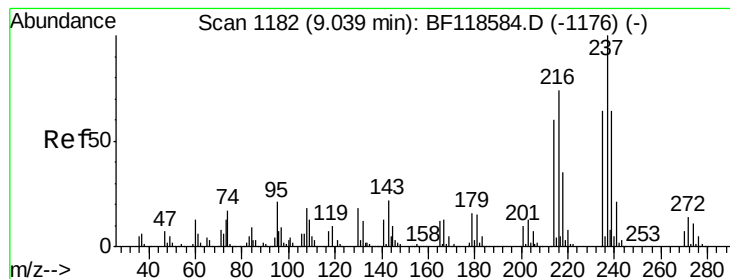
108 17.0 13.0 19.6



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: 39.672 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

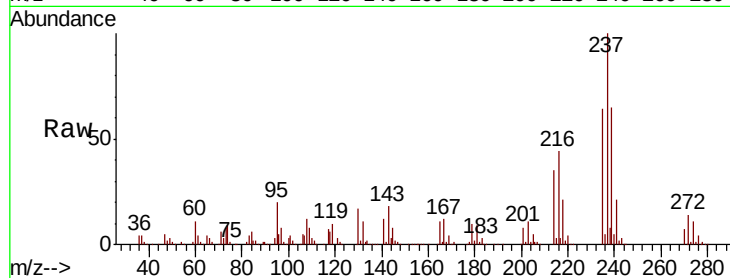
Tot Ion:237 Resp: 431206

Ion Ratio Lower Upper

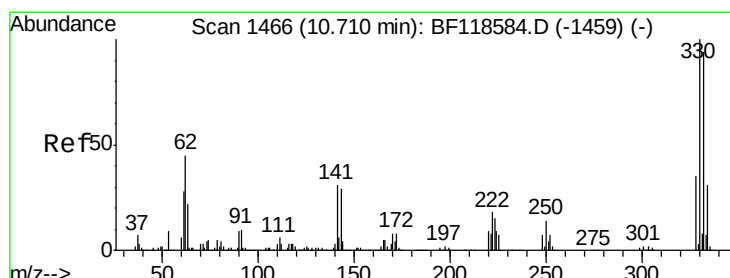
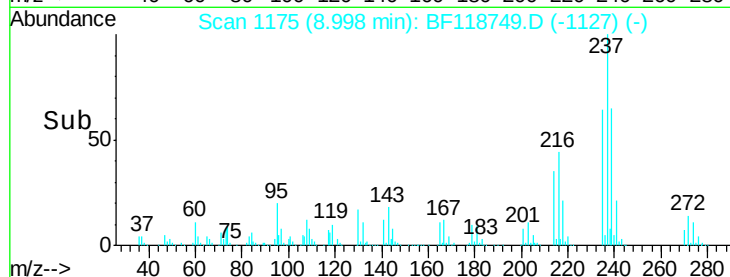
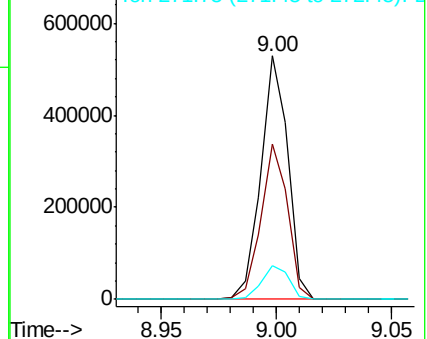
237 100

235 63.9 42.7 82.7

272 13.7 0.0 34.4



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: 83.945 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

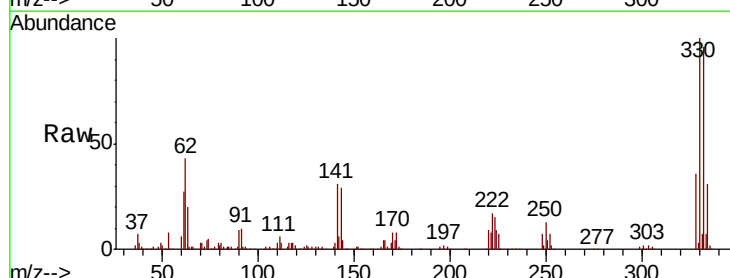
Tgt Ion:330 Resp: 668495

Ion Ratio Lower Upper

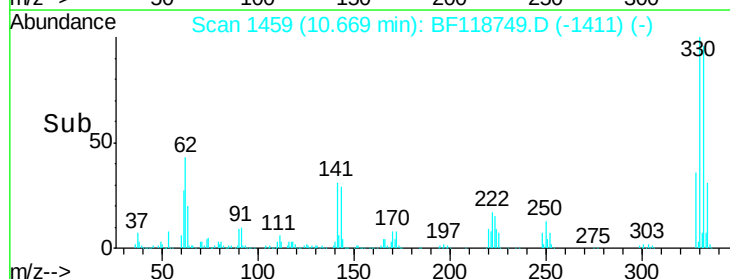
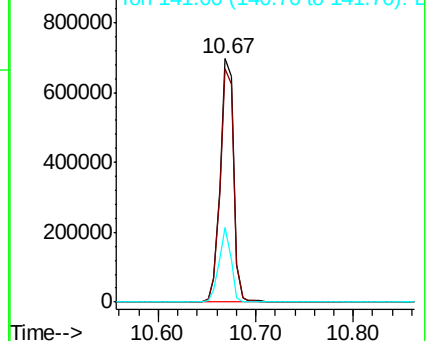
330 100

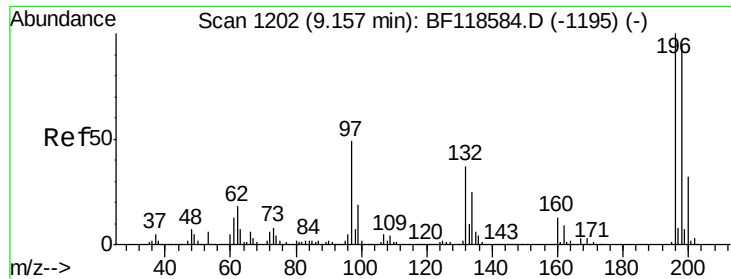
332 96.7 77.6 116.4

141 27.8 22.2 33.2



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

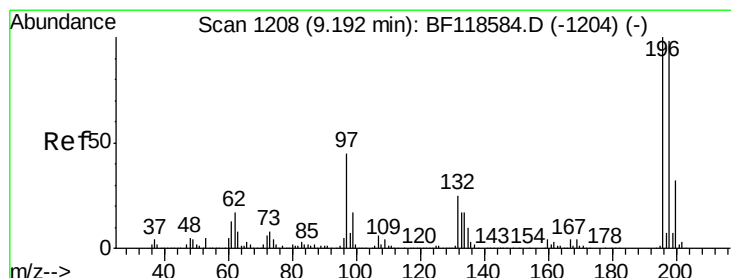
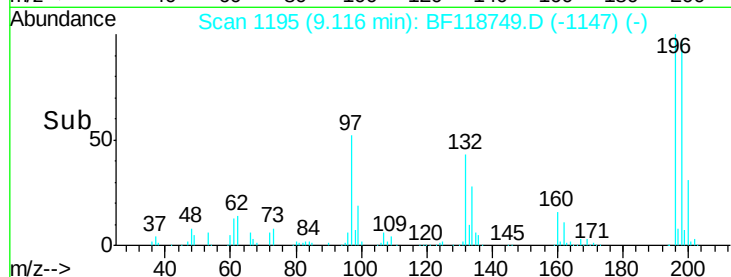
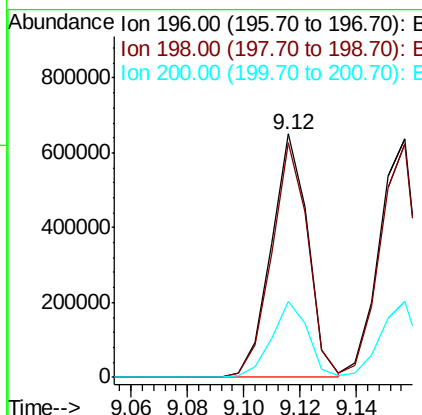
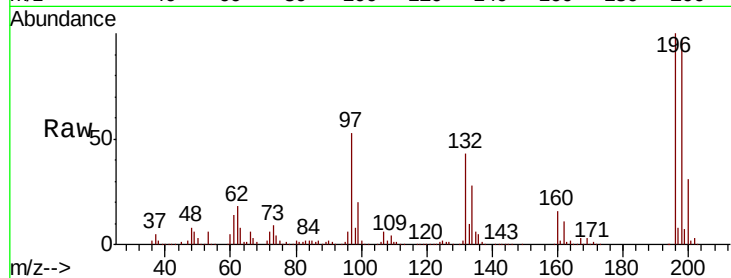




#43  
 2,4,6-Trichlorophenol  
 Concen: 40.818 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

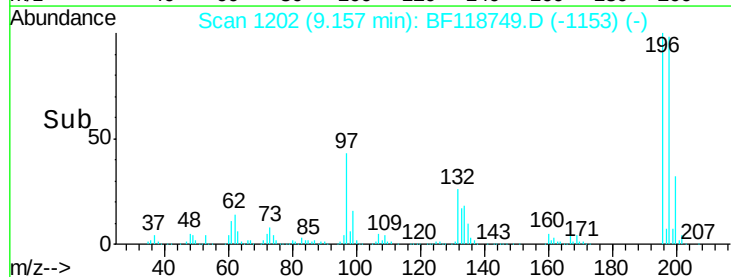
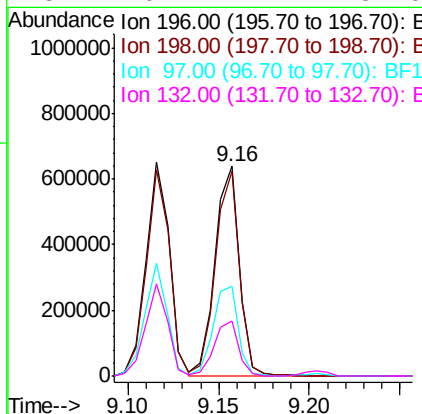
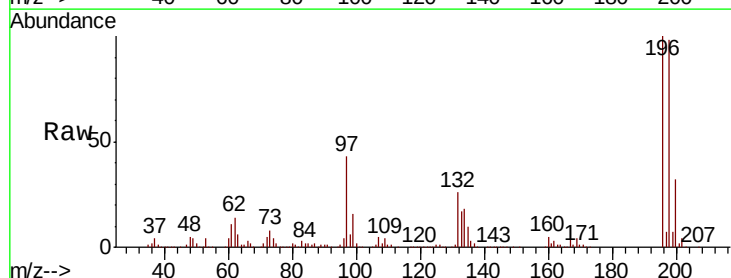
Instrument :  
 BNA\_F  
 ClientSampleId :

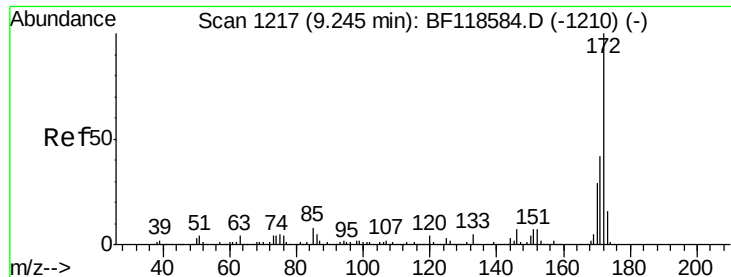
Tot Ion:196 Resp: 583520  
 Ion Ratio Lower Upper  
 196 100  
 198 96.6 76.4 114.6  
 200 31.2 25.4 38.2



#44  
 2,4,5-Trichlorophenol  
 Concen: 40.563 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Tgt Ion:196 Resp: 592217  
 Ion Ratio Lower Upper  
 196 100  
 198 98.0 76.2 114.4  
 97 42.6 35.7 53.5  
 132 26.1 21.4 32.0

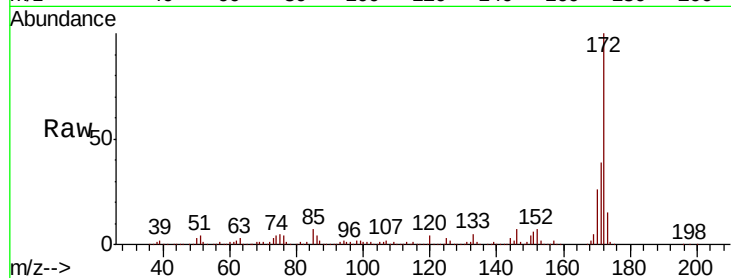




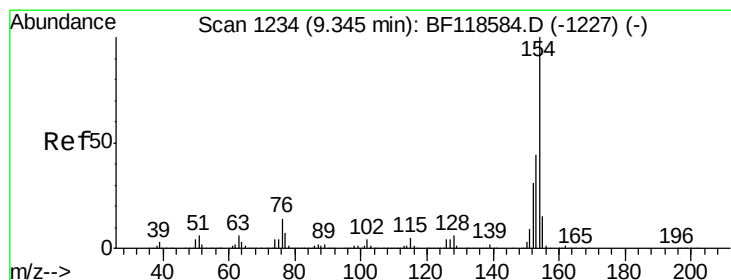
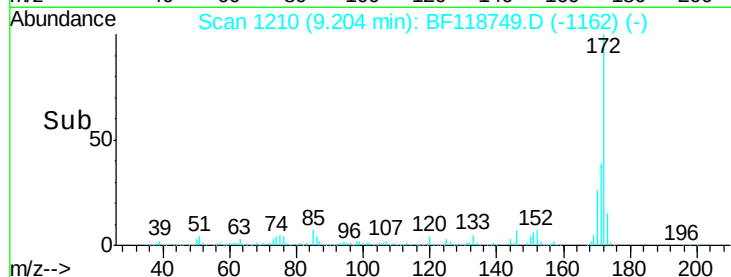
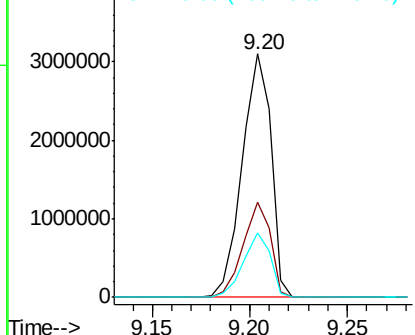
#45  
2-Fluorobiphenyl  
Concen: 75.782 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 3174517  
Ion Ratio Lower Upper  
172 100  
171 39.3 31.0 46.4  
170 26.2 20.7 31.1

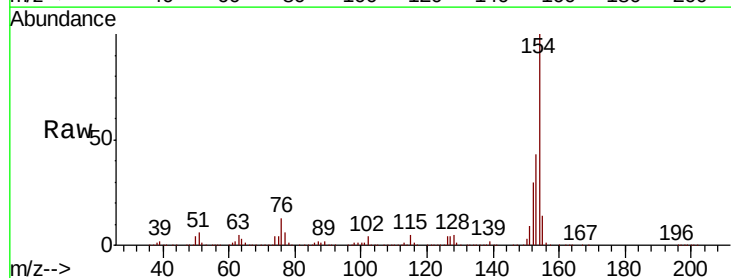


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

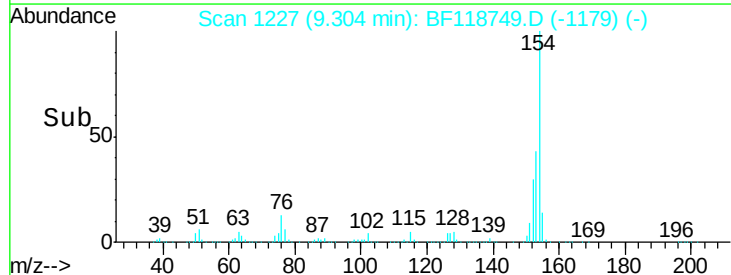
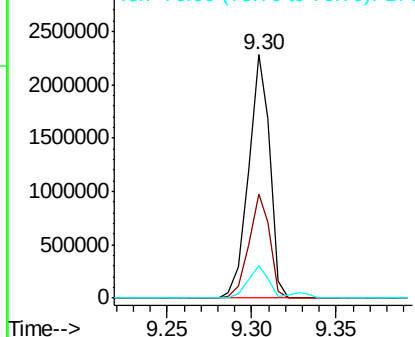


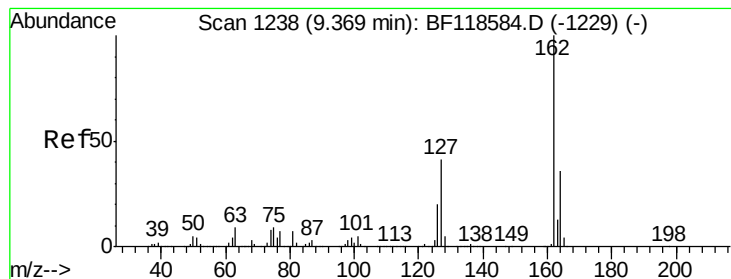
#46  
1,1'-Biphenyl  
Concen: 42.300 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:154 Resp: 2007242  
Ion Ratio Lower Upper  
154 100  
153 42.7 22.3 62.3  
76 13.4 0.0 32.0



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 41.567 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampled :

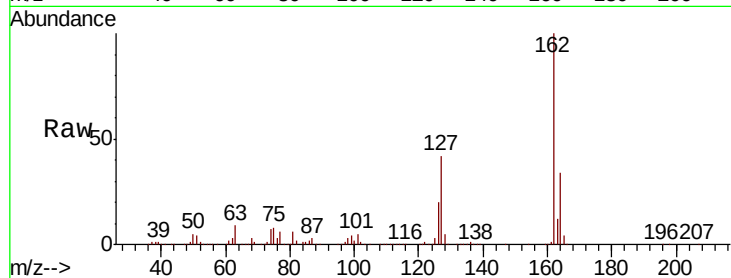
Tot Ion:162 Resp: 1662509

Ion Ratio Lower Upper

162 100

127 41.8 32.9 49.3

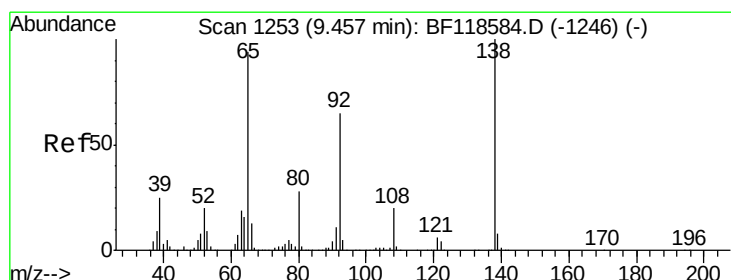
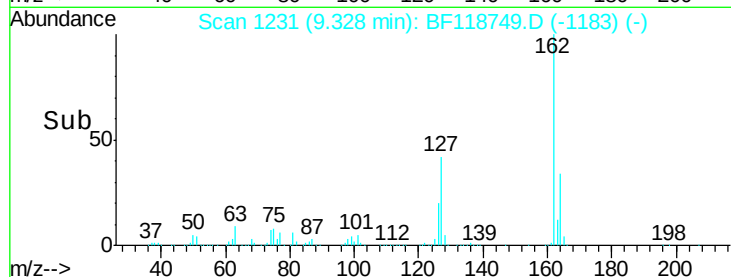
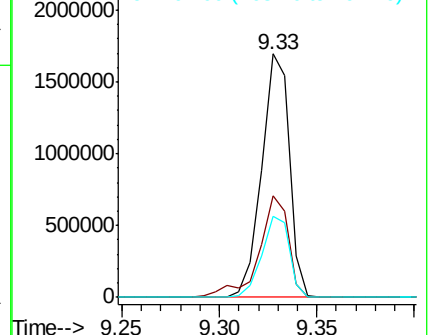
164 33.5 27.5 41.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 38.132 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

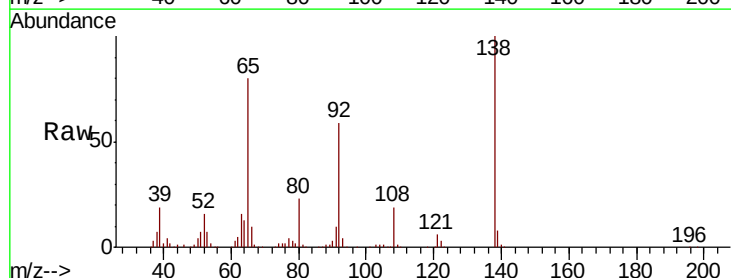
Tgt Ion: 65 Resp: 468824

Ion Ratio Lower Upper

65 100

92 74.3 57.8 86.6

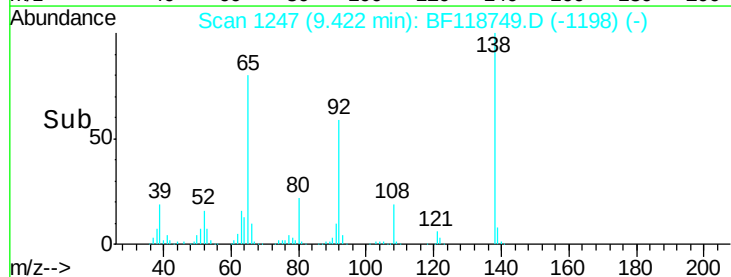
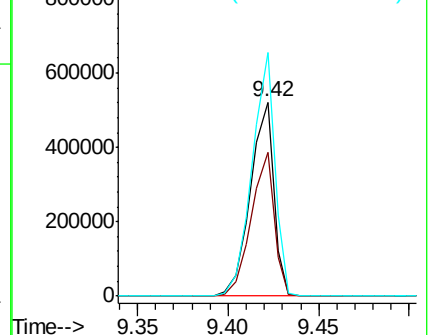
138 125.6 95.1 142.7

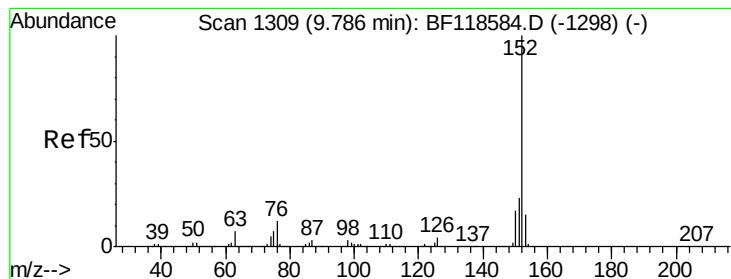


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.401 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

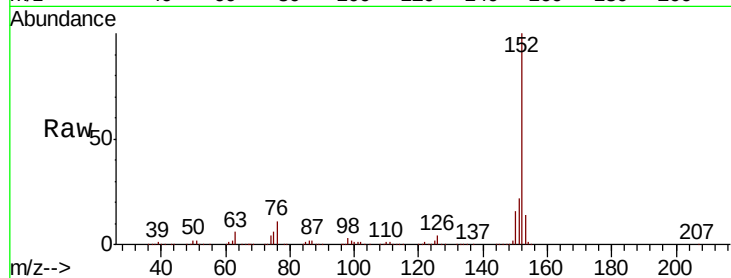
Tot Ion:152 Resp: 2385775

Ion Ratio Lower Upper

152 100

151 21.6 17.1 25.7

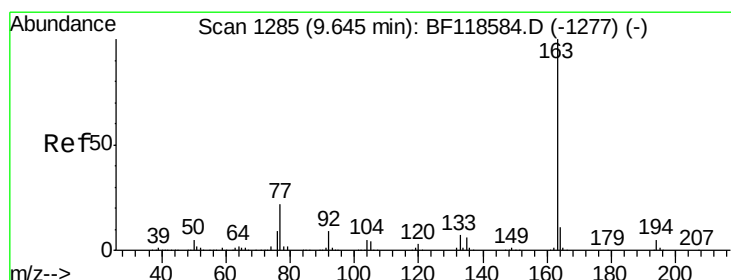
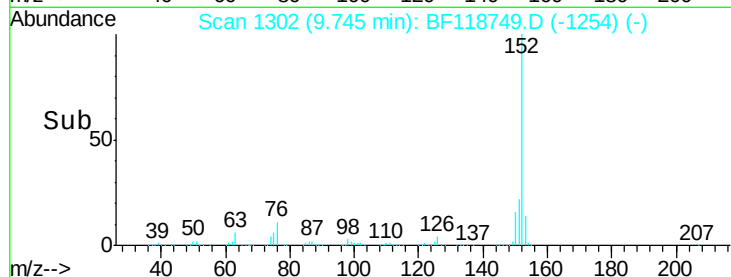
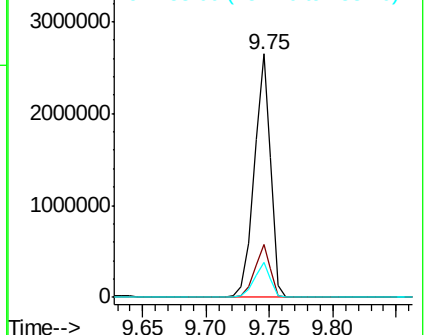
153 14.5 11.0 16.4



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: 42.023 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

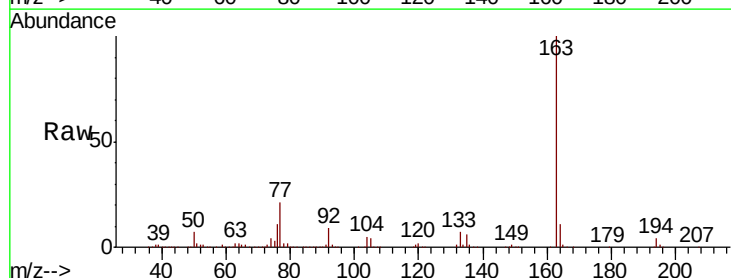
Tgt Ion:163 Resp: 1885064

Ion Ratio Lower Upper

163 100

194 4.5 3.7 5.5

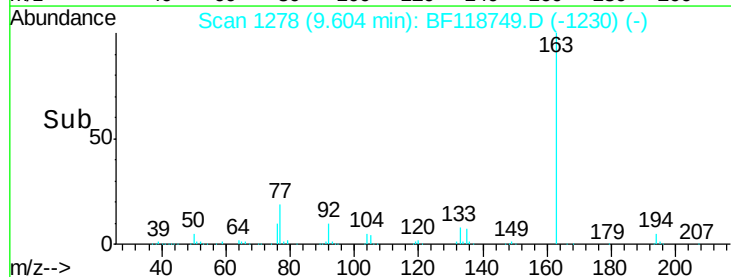
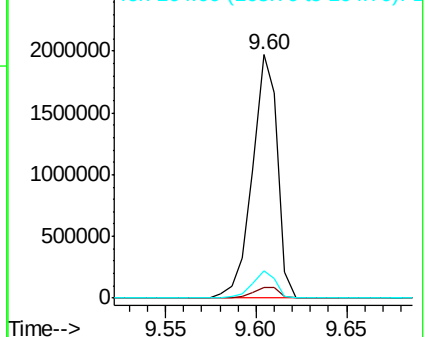
164 11.1 8.2 12.2

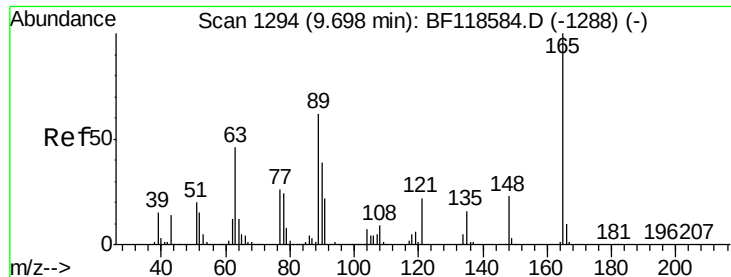


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

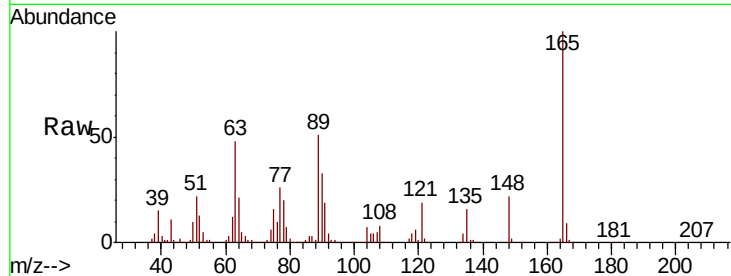




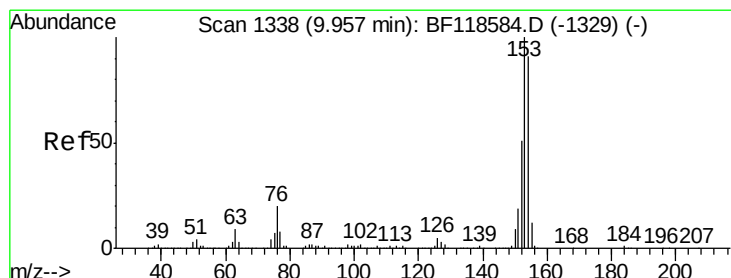
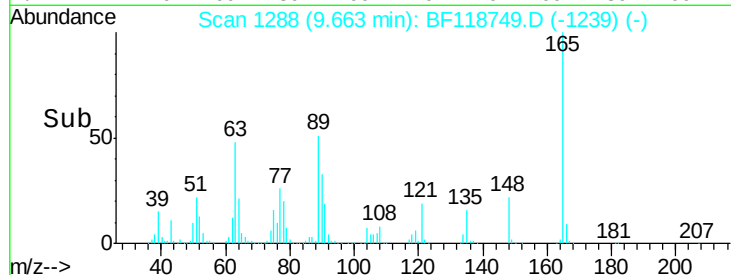
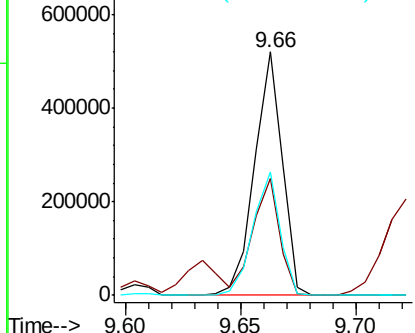
#51  
 2,6-Dinitrotoluene  
 Concen: 43.517 ng  
 RT: 9.66 min Scan# 1288  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:165 Resp: 437116  
 Ion Ratio Lower Upper  
 165 100  
 63 47.8 39.8 59.6  
 89 50.7 41.4 62.2

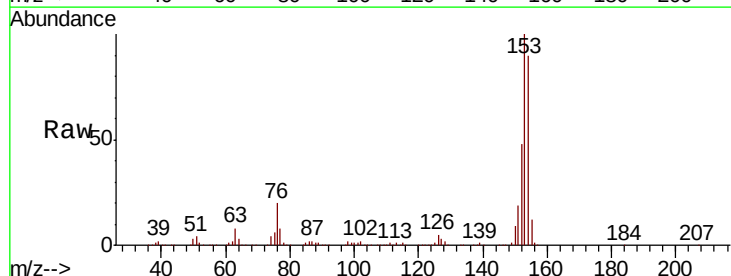


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

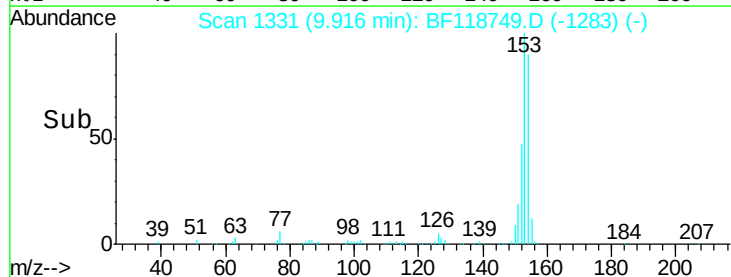
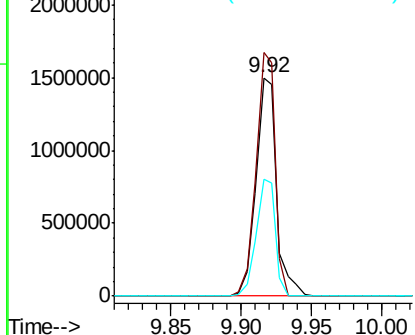


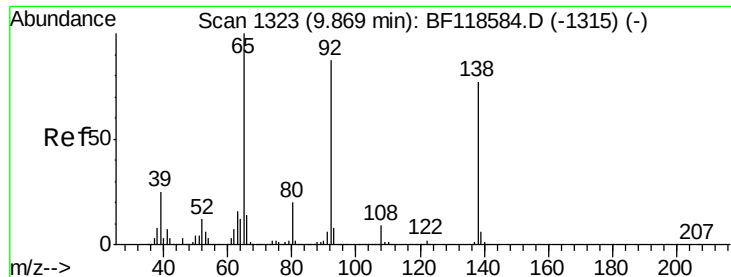
#52  
 Acenaphthene  
 Concen: 41.164 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Tgt Ion:154 Resp: 1548770  
 Ion Ratio Lower Upper  
 154 100  
 153 111.5 89.1 133.7  
 152 53.4 43.0 64.6



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

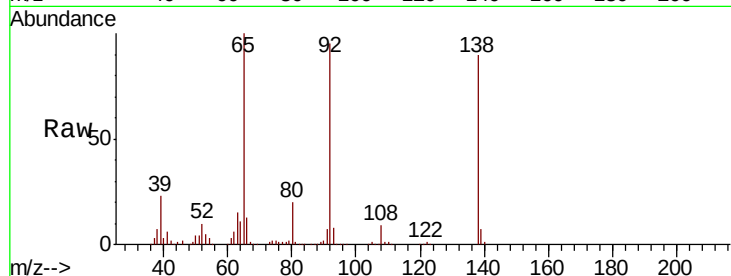




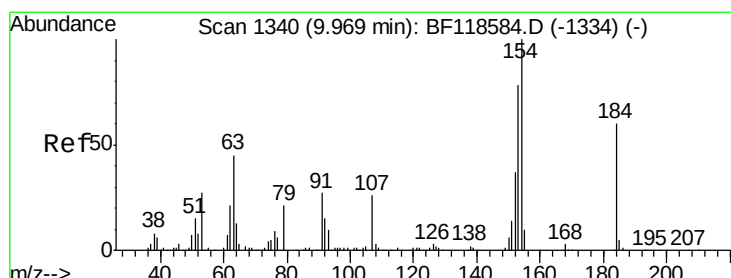
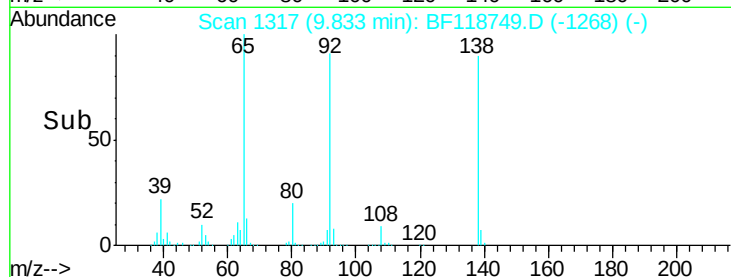
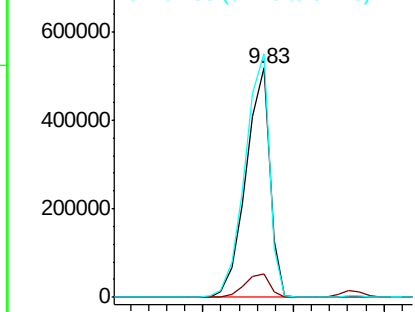
#53  
3-Nitroaniline  
Concen: 41.596 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 477095  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.8 13.2  
92 106.2 87.8 131.6

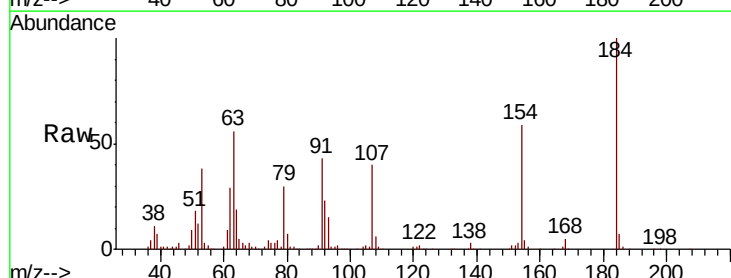


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

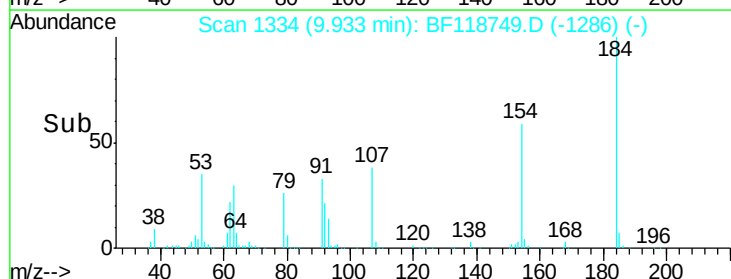
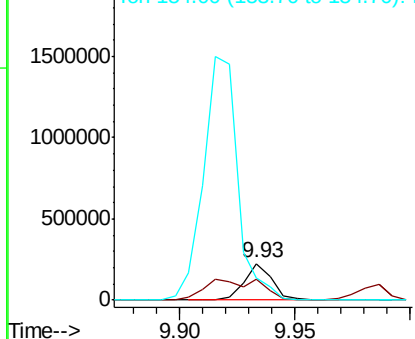


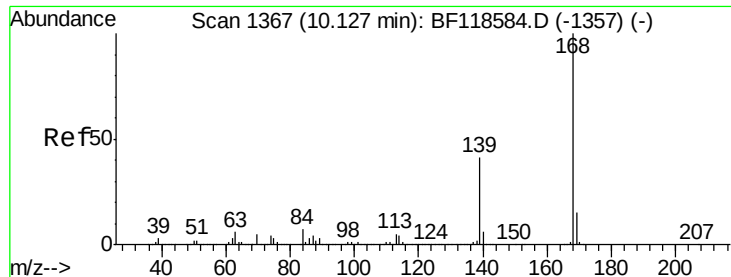
#54  
2,4-Dinitrophenol  
Concen: 47.374 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:184 Resp: 189975  
Ion Ratio Lower Upper  
184 100  
63 56.5 36.0 54.0#  
154 59.4 44.6 66.8



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: 41.902 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

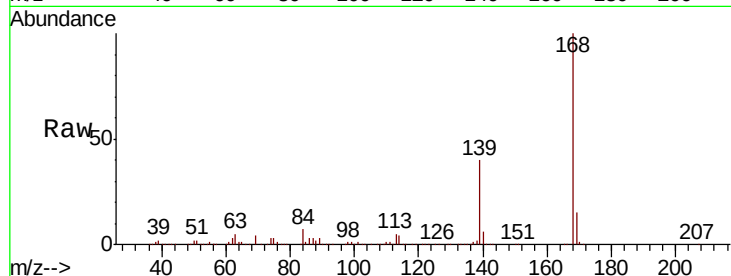
Tot Ion:168 Resp: 2184790

Ion Ratio Lower Upper

168 100

139 39.6 31.6 47.4

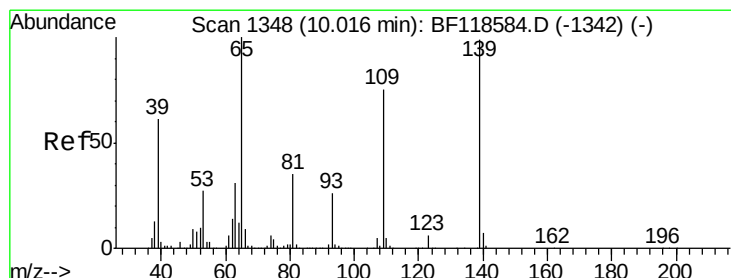
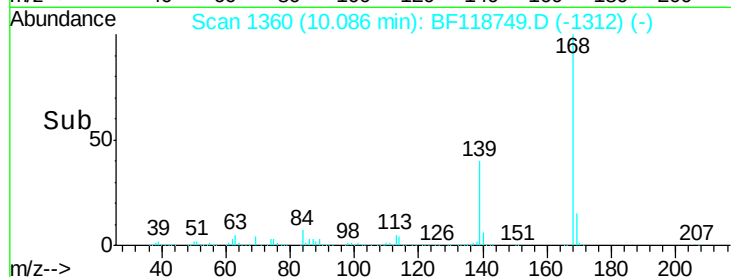
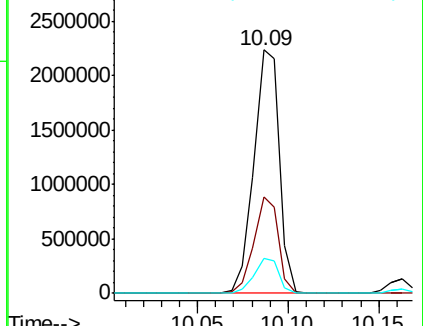
169 14.5 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 39.524 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

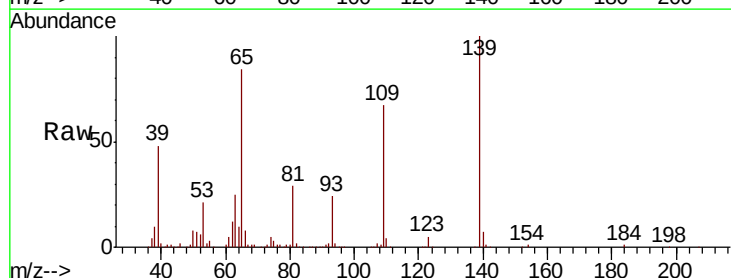
Tgt Ion:139 Resp: 342224

Ion Ratio Lower Upper

139 100

109 66.5 47.0 87.0

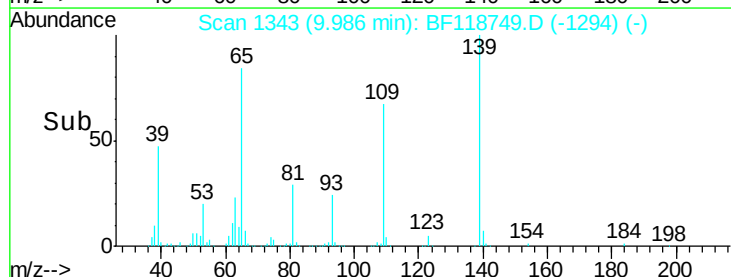
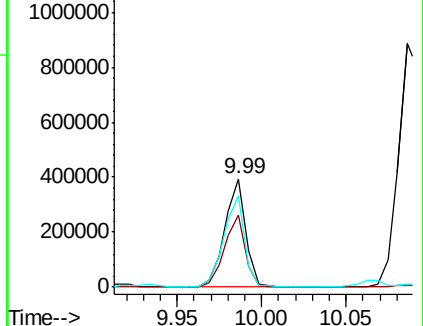
65 84.5 65.7 105.7



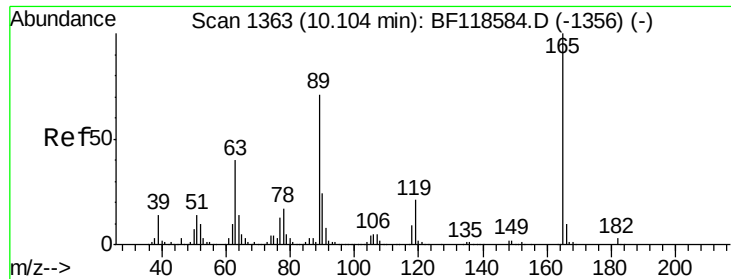
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



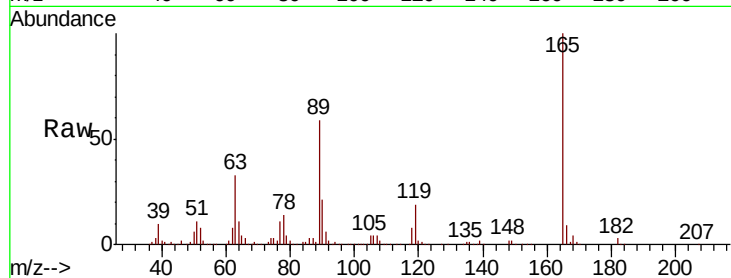




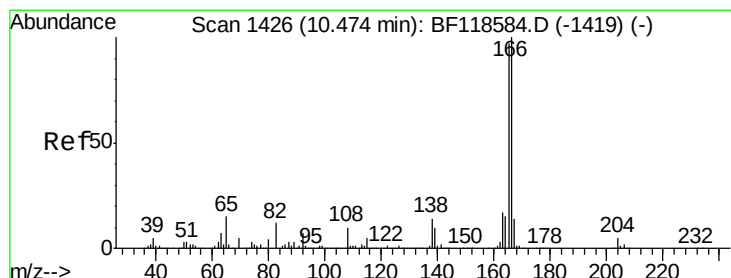
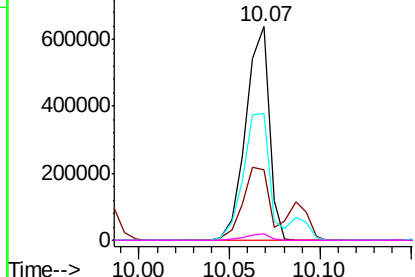
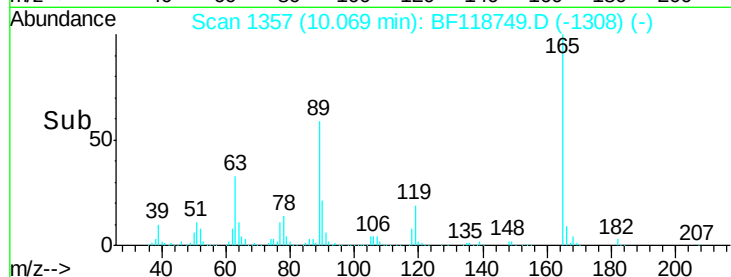
#57  
 2,4-Dinitrotoluene  
 Concen: 45.202 ng  
 RT: 10.07 min Scan# 1357  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 33.0  | 28.5  | 42.7  |
| 89      | 59.1  | 50.4  | 75.6  |
| 182     | 3.1   | 2.3   | 3.5   |

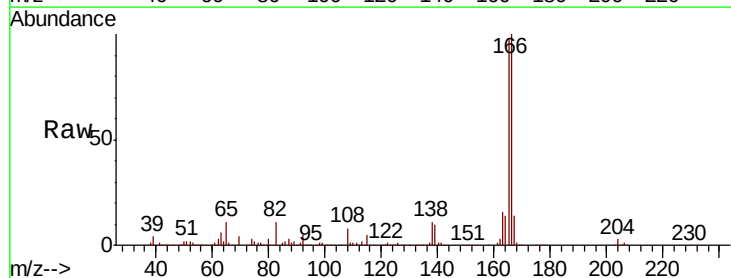


Abundance Ion 165.00 (164.70 to 165.70): E  
 1000000  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

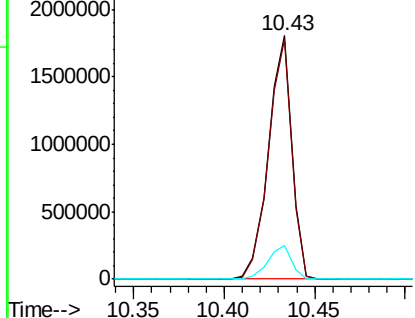
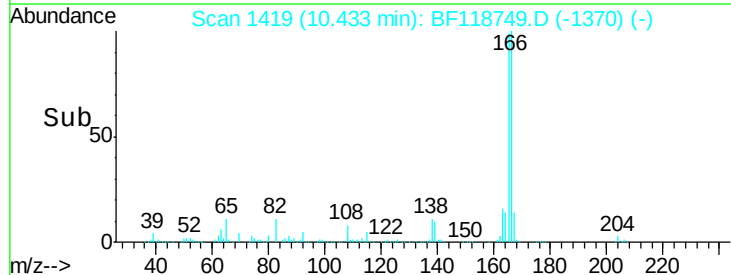


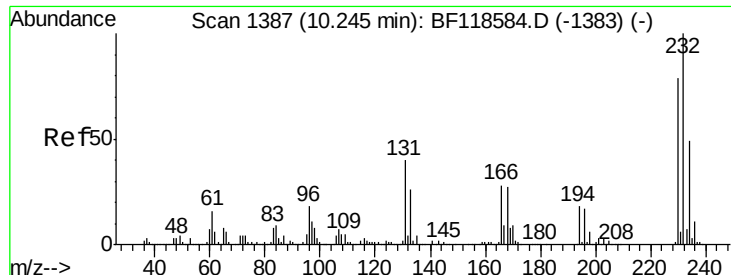
#58  
 Fluorene  
 Concen: 39.521 ng  
 RT: 10.43 min Scan# 1419  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.4  | 78.6  | 118.0 |
| 167     | 13.8  | 11.4  | 17.2  |



Abundance Ion 166.00 (165.70 to 166.70): E  
 2500000  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

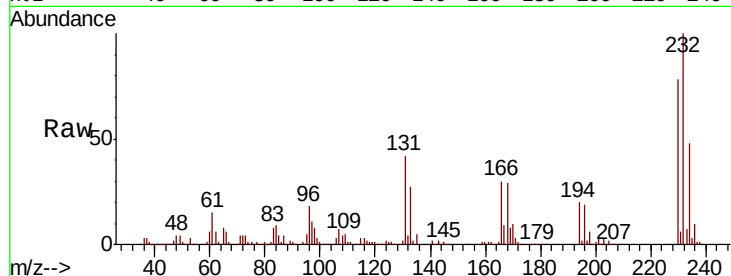




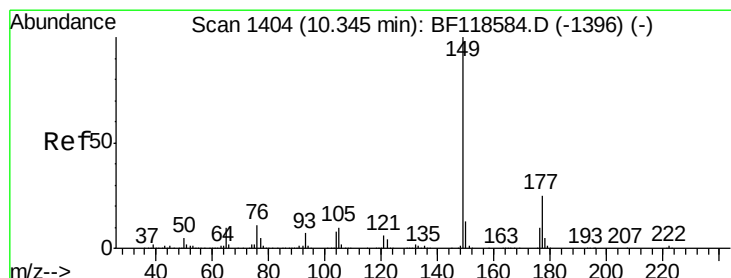
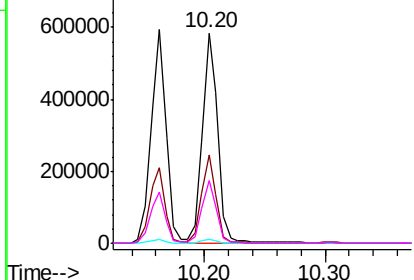
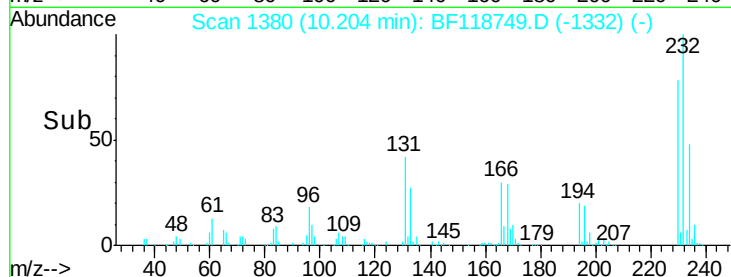
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.955 ng  
 RT: 10.20 min Scan# 1380  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:232 Resp: 513090  
 Ion Ratio Lower Upper  
 232 100  
 131 39.9 31.8 47.6  
 130 1.9 1.5 2.3  
 166 28.4 22.8 34.2

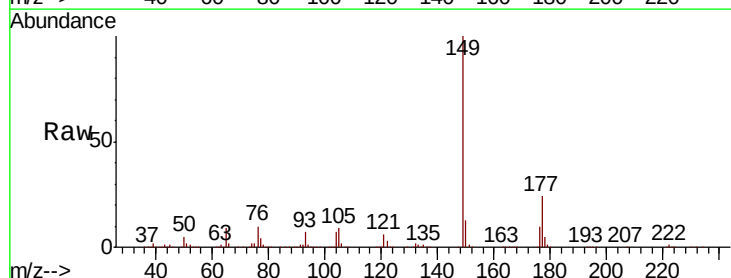


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

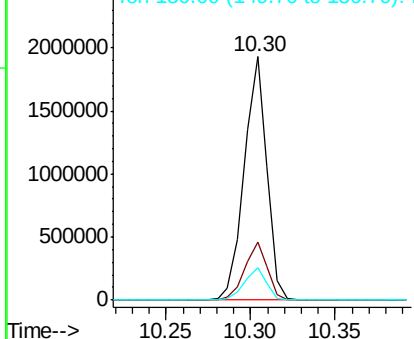
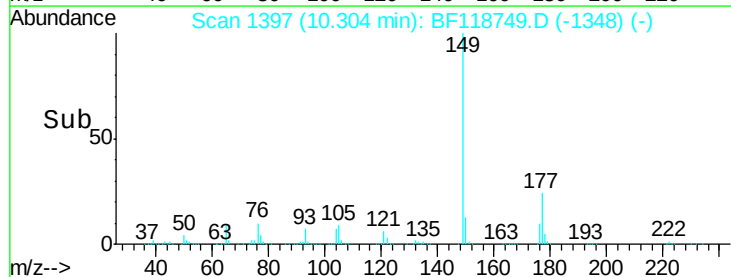


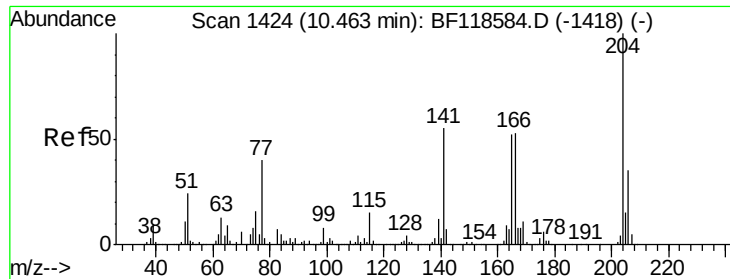
#60  
 Diethylphthalate  
 Concen: 41.421 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Tgt Ion:149 Resp: 1801483  
 Ion Ratio Lower Upper  
 149 100  
 177 24.1 19.1 28.7  
 150 13.3 10.5 15.7



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

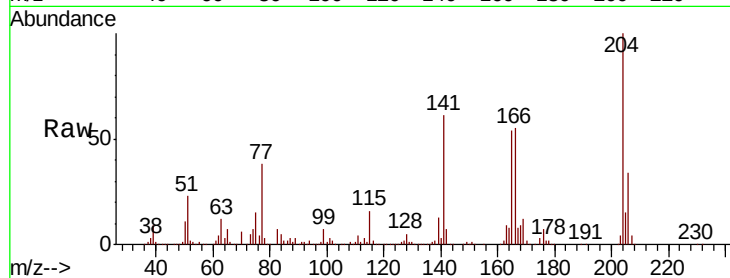




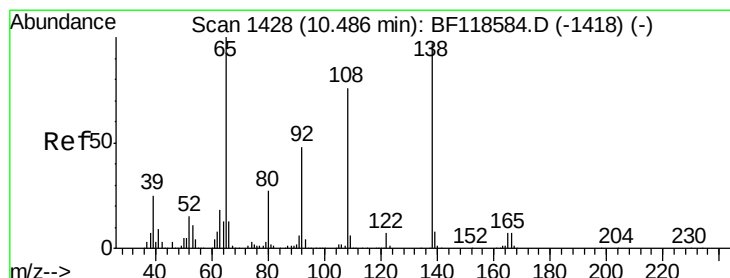
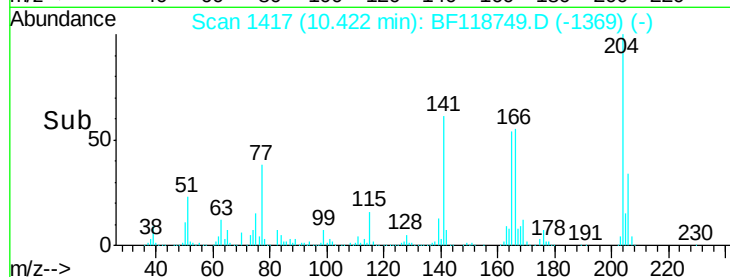
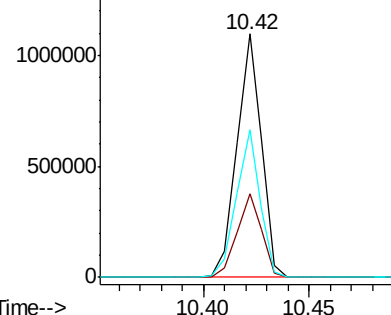
#61  
4-Chlorophenyl-phenylether  
Concen: 39.834 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 886783  
Ion Ratio Lower Upper  
204 100  
206 34.4 27.0 40.6  
141 60.8 43.9 65.9

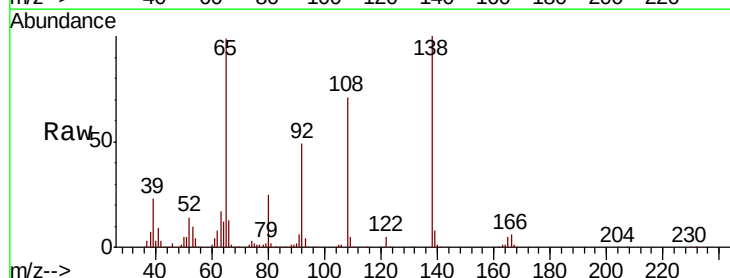


Abundance Ion 204.00 (203.70 to 204.70): E  
1500000  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

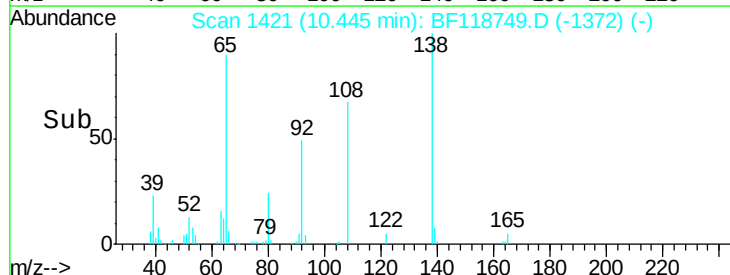
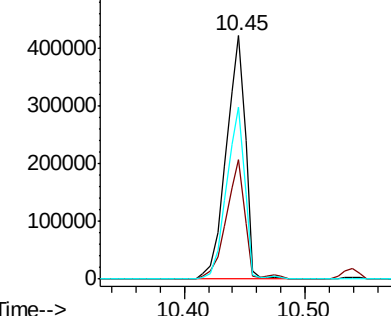


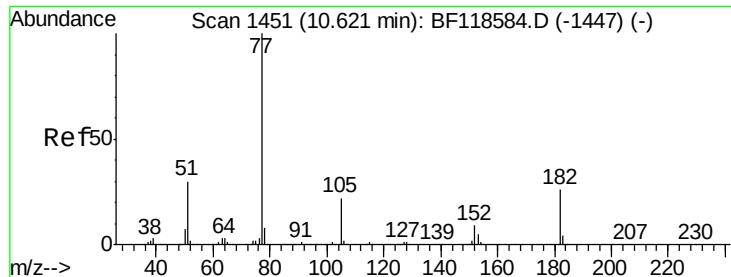
#62  
4-Nitroaniline  
Concen: 39.830 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:138 Resp: 468605  
Ion Ratio Lower Upper  
138 100  
92 49.0 29.2 69.2  
108 70.6 50.8 90.8



Abundance Ion 138.00 (137.70 to 138.70): E  
500000  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 38.239 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

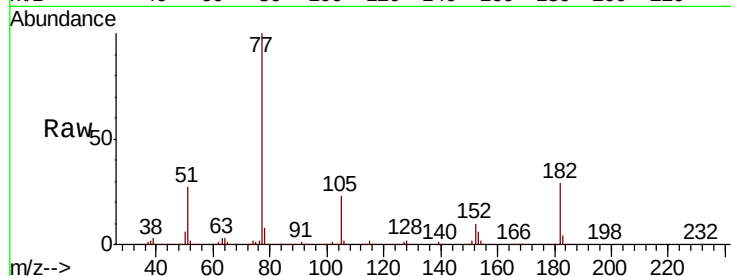
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 77 Resp: 1610653

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.6  | 12.3  | 52.3  |
| 105 | 22.7  | 4.0   | 44.0  |
| 51  | 27.4  | 7.2   | 47.2  |

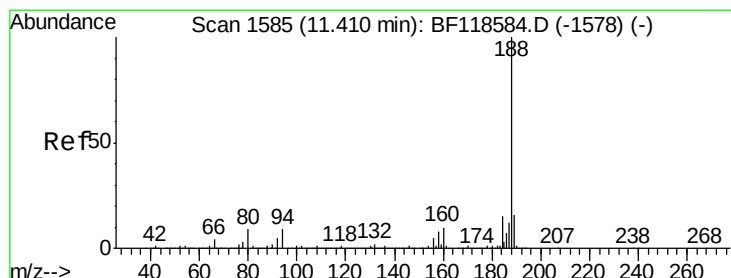
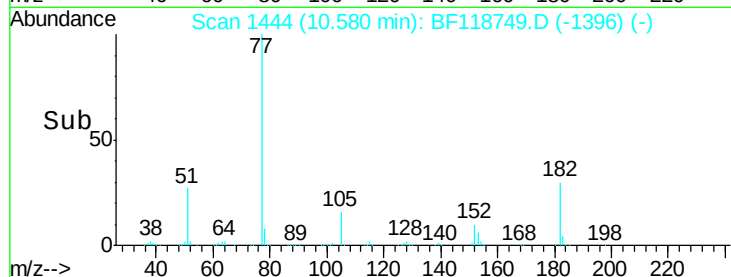


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.37 min Scan# 1578

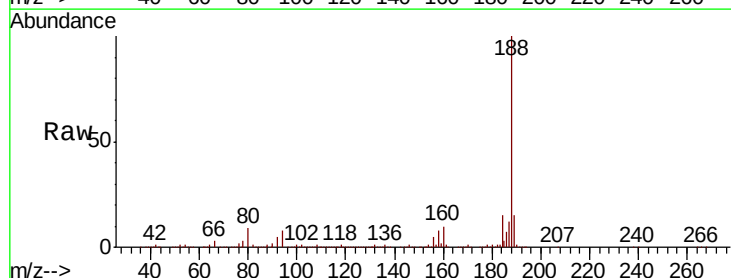
Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Tgt Ion: 188 Resp: 1226503

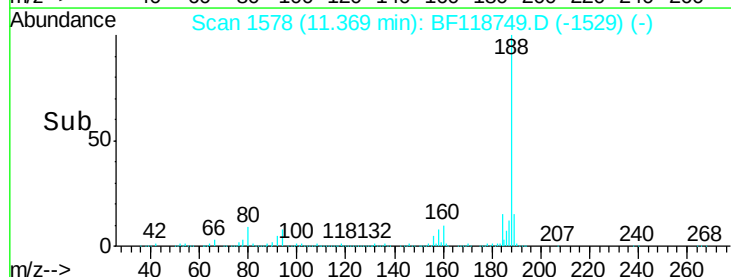
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.2   | 7.4   | 11.2  |
| 80  | 9.0   | 7.8   | 11.8  |

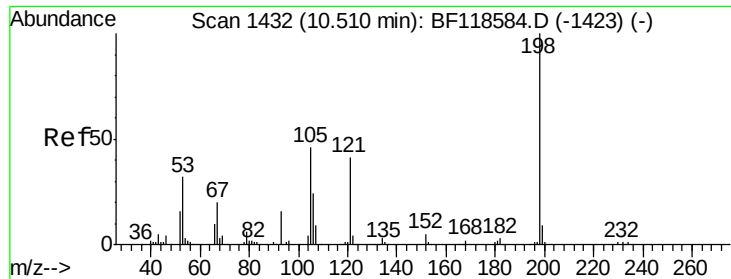


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

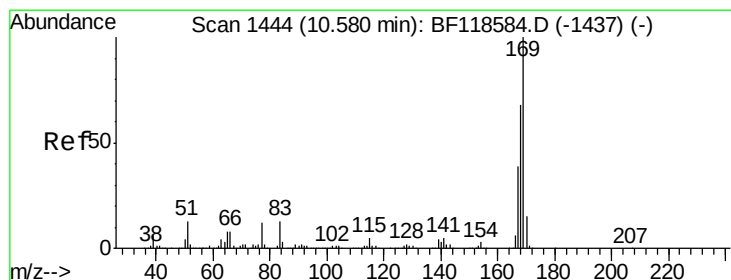
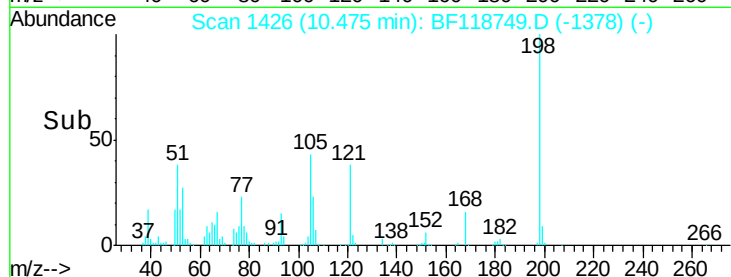
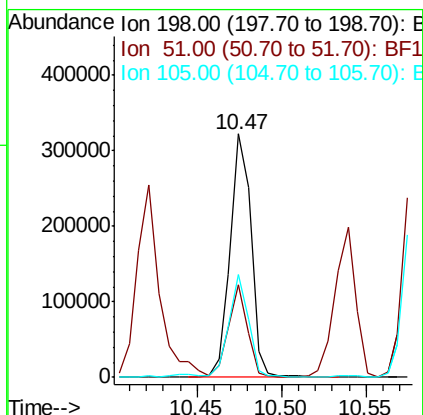
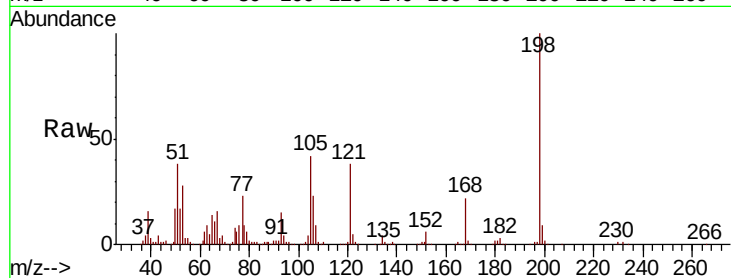




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 51.518 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

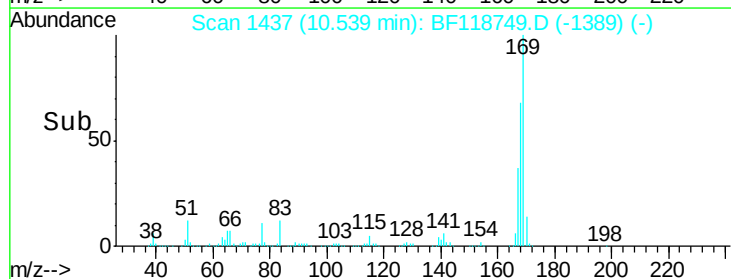
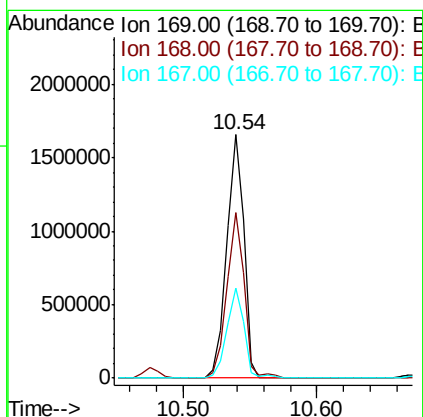
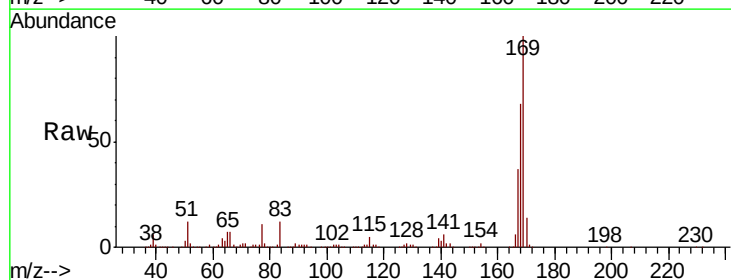
Instrument :  
 BNA\_F  
 ClientSampleId :

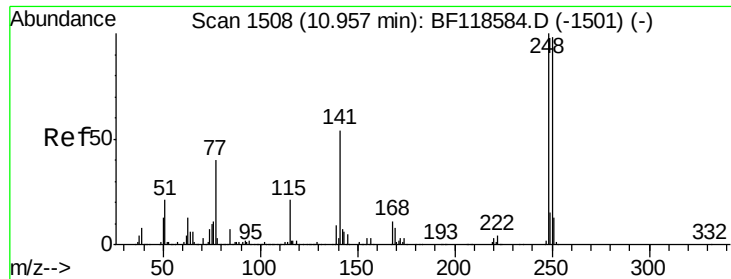
Tot Ion:198 Resp: 277850  
 Ion Ratio Lower Upper  
 198 100  
 51 37.9 9.6 49.6  
 105 42.2 15.5 55.5



#66  
 n-Nitrosodiphenylamine  
 Concen: 40.982 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.02 min  
 Lab File: BF118749.D  
 Acq: 30 Jan 2020 14:05

Tgt Ion:169 Resp: 1515864  
 Ion Ratio Lower Upper  
 169 100  
 168 68.0 53.4 80.0  
 167 36.9 29.2 43.8

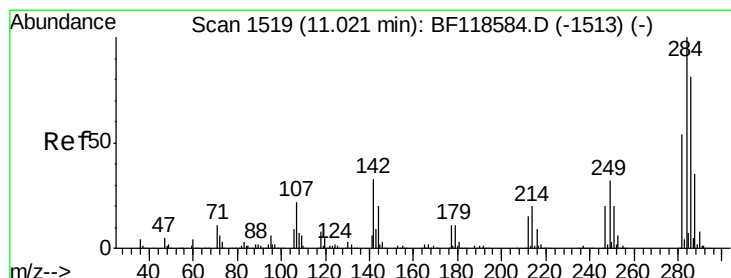
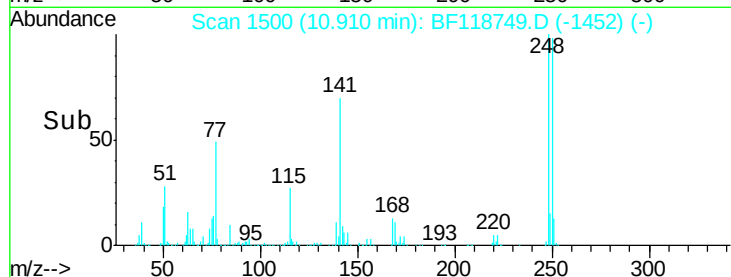
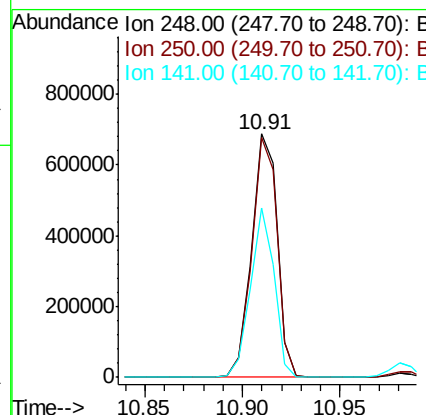
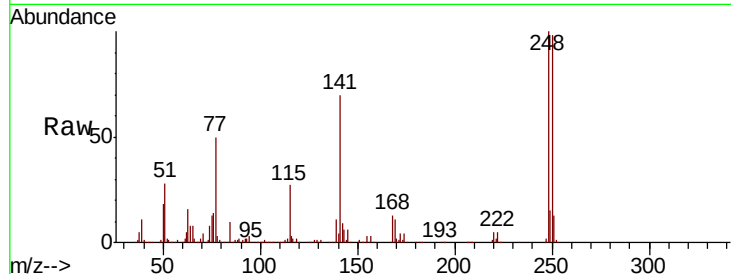




#67  
4-Bromophenyl-phenylether  
Concen: 41.211 ng  
RT: 10.91 min Scan# 1500  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

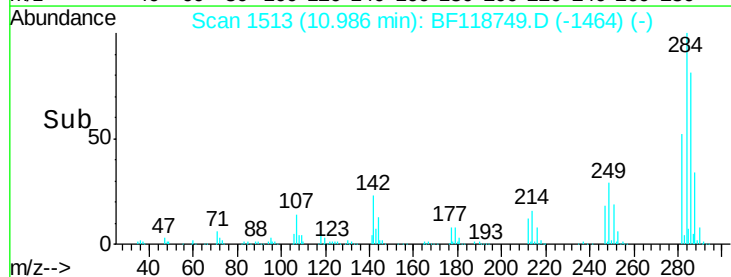
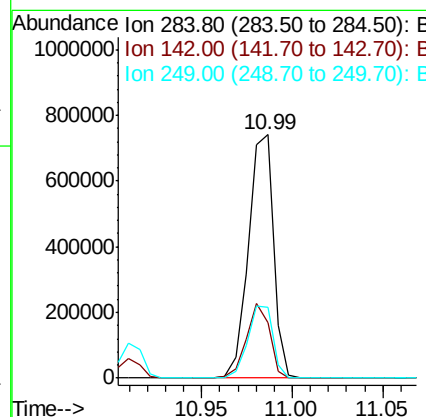
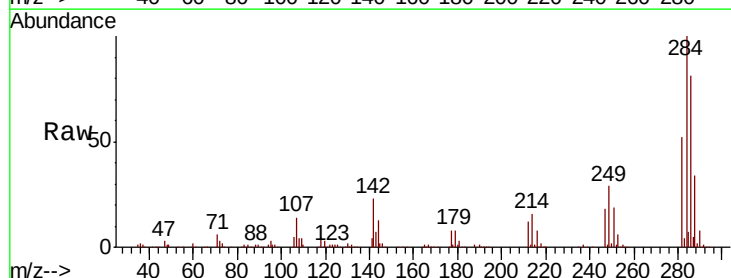
Instrument :  
BNA\_F  
ClientSampleId :

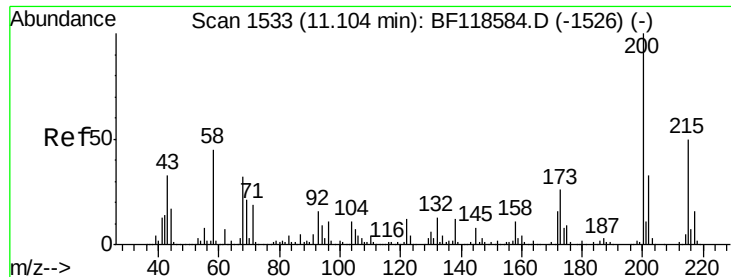
Tot Ion:248 Resp: 624465  
Ion Ratio Lower Upper  
248 100  
250 98.3 78.7 118.1  
141 69.8 48.4 72.6



#68  
Hexachlorobenzene  
Concen: 41.300 ng  
RT: 10.99 min Scan# 1513  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:284 Resp: 709518  
Ion Ratio Lower Upper  
284 100  
142 23.0 23.1 34.7#  
249 28.9 24.0 36.0

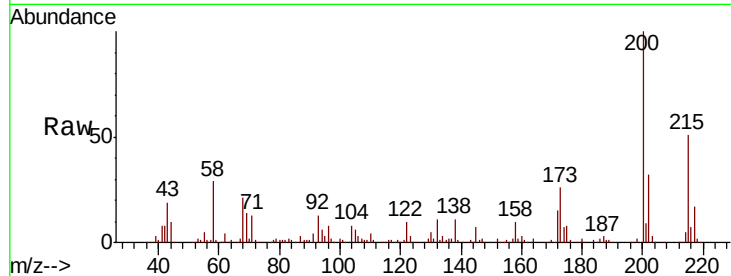




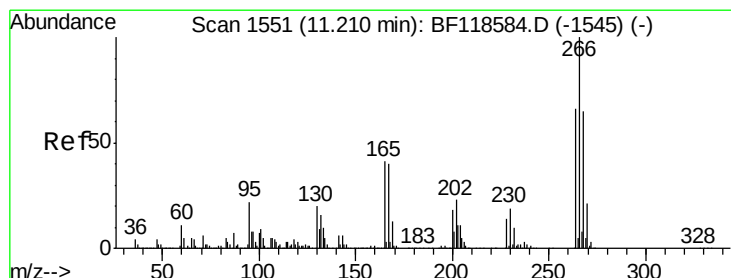
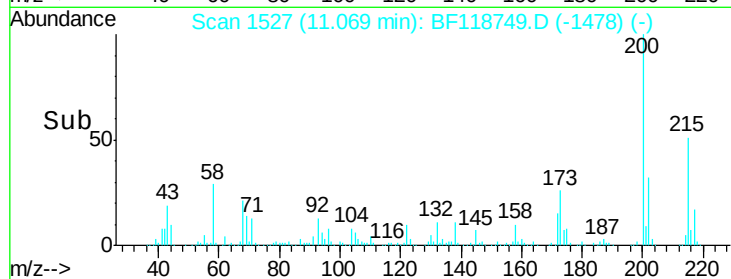
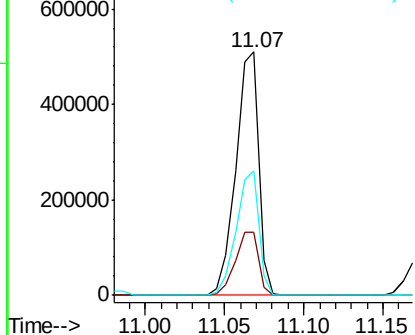
#69  
Atrazine  
Concen: 39.467 ng  
RT: 11.07 min Scan# 1527  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.7  | 6.8   | 46.8  |
| 215     | 51.1  | 30.4  | 70.4  |

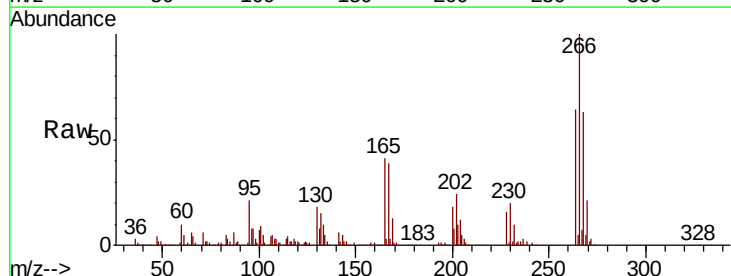


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

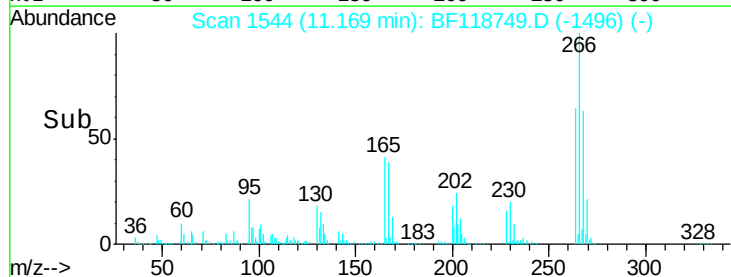
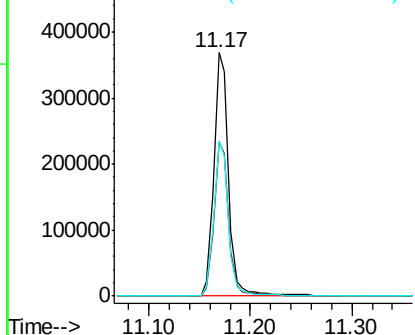


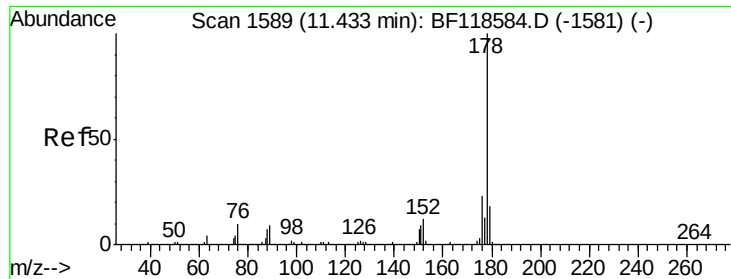
#70  
Pentachlorophenol  
Concen: 39.214 ng  
RT: 11.17 min Scan# 1544  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.2  | 51.6  | 77.4  |
| 264     | 63.8  | 50.9  | 76.3  |



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

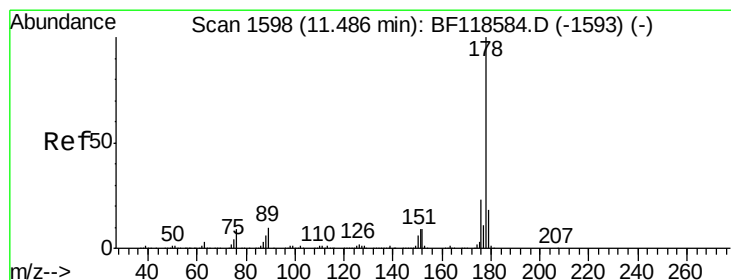
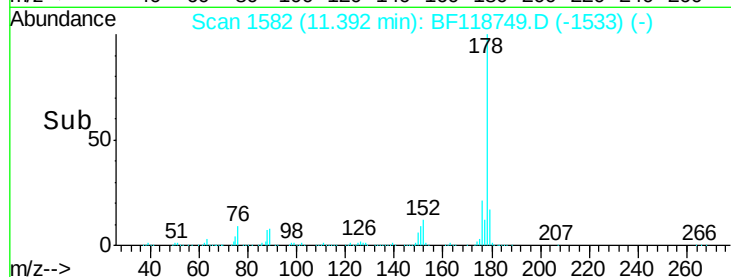
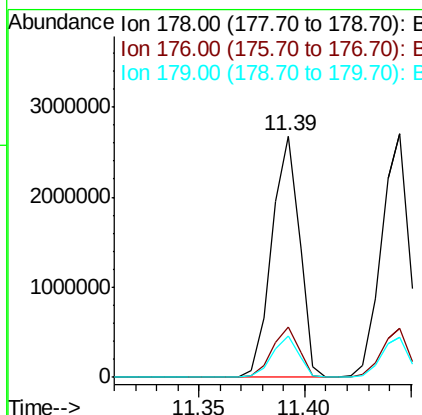
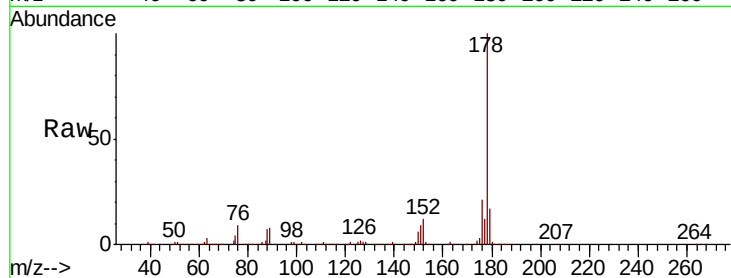




#71  
Phenanthrene  
Concen: 41.261 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

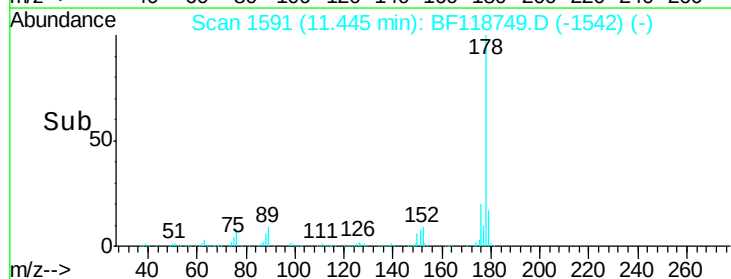
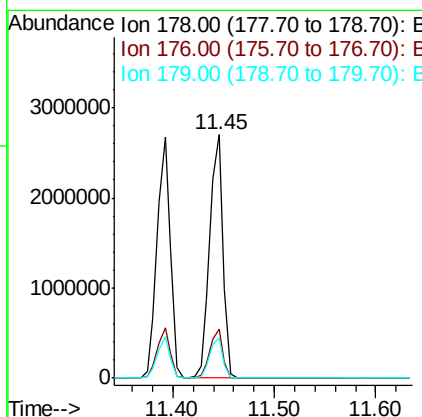
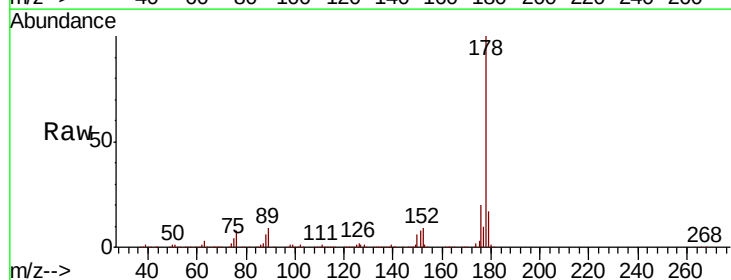
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 2441505  
Ion Ratio Lower Upper  
178 100  
176 21.0 16.5 24.7  
179 17.0 13.3 19.9

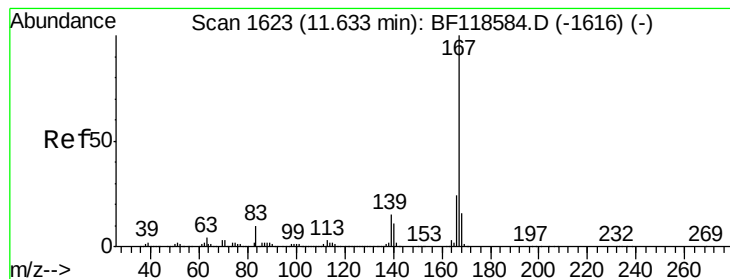


#72  
Anthracene  
Concen: 42.141 ng  
RT: 11.45 min Scan# 1591  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:178 Resp: 2467321  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.8 23.8  
179 16.5 13.3 19.9







#73

Carbazole

Concen: 40.649 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

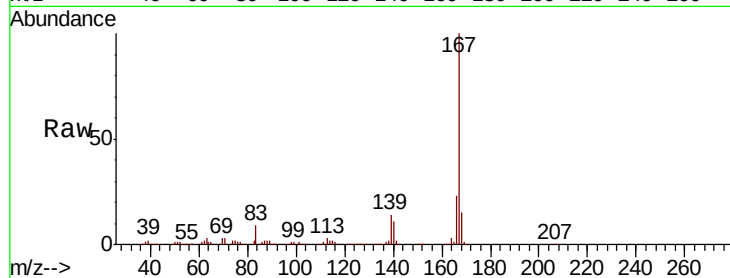
Tot Ion:167 Resp: 2183049

Ion Ratio Lower Upper

167 100

166 22.9 18.3 27.5

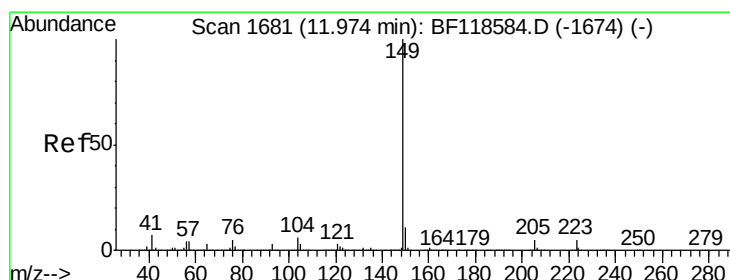
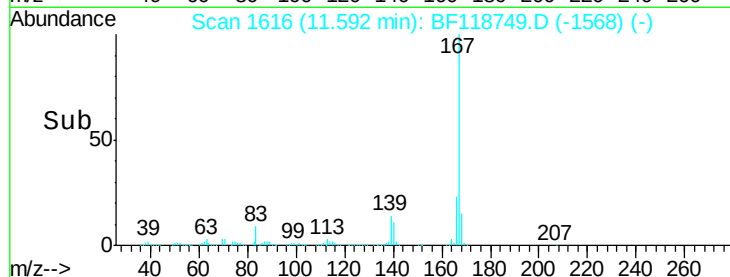
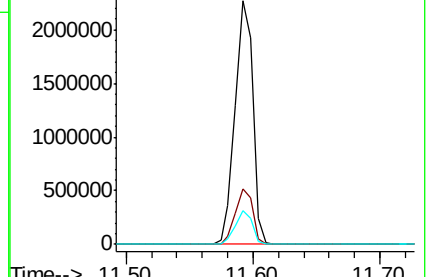
139 13.9 11.0 16.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.947 ng

RT: 11.93 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

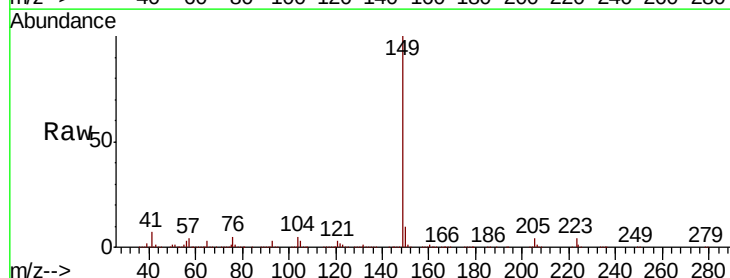
Tgt Ion:149 Resp: 2622189

Ion Ratio Lower Upper

149 100

150 10.5 8.2 12.2

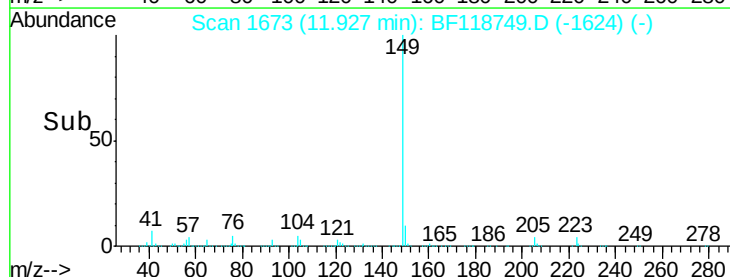
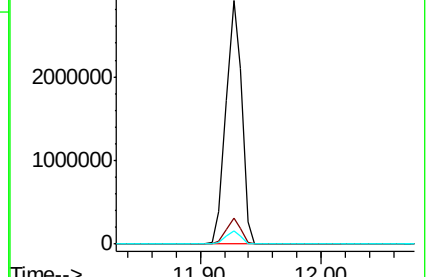
104 5.5 4.2 6.4

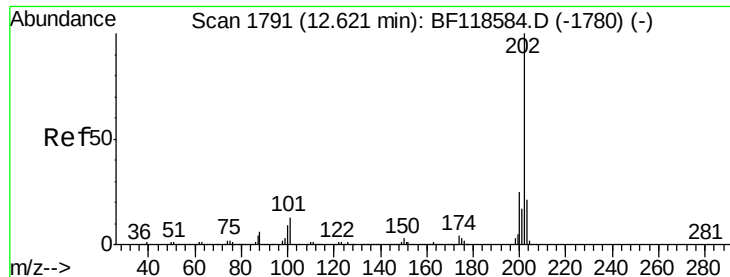


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 40.779 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

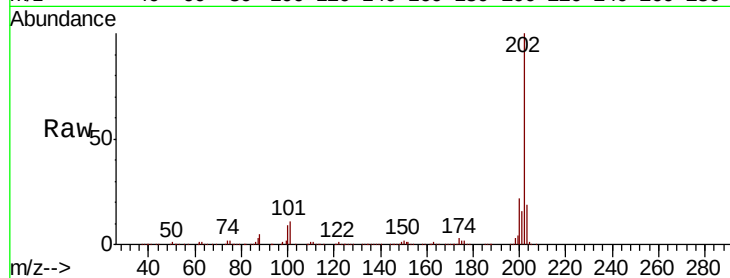
Tot Ion:202 Resp: 2544960

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.1

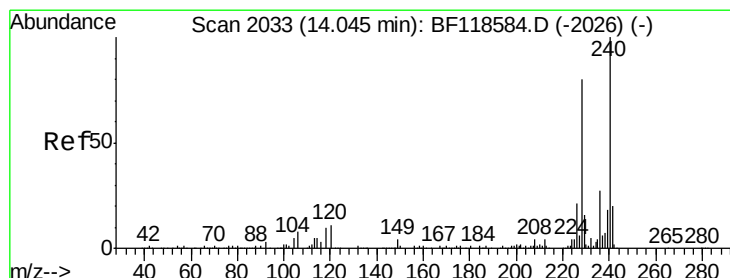
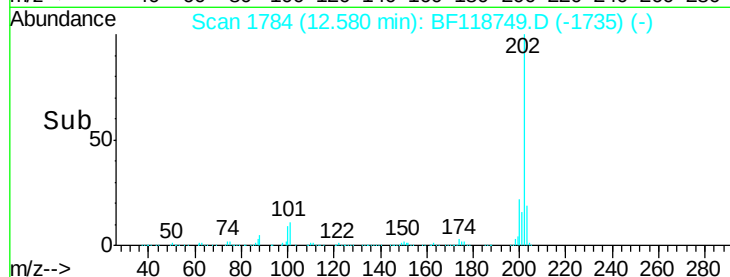
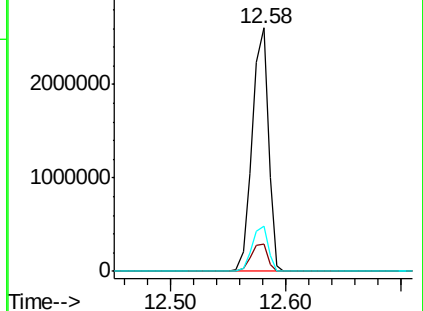
203 18.6 0.0 38.9



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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

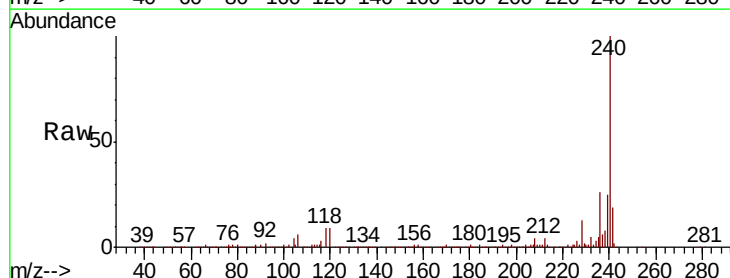
Tgt Ion:240 Resp: 814692

Ion Ratio Lower Upper

240 100

120 9.5 7.6 11.4

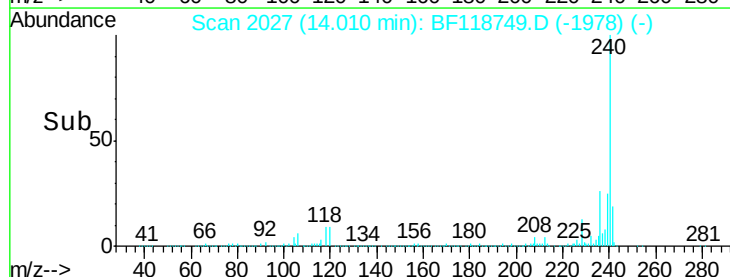
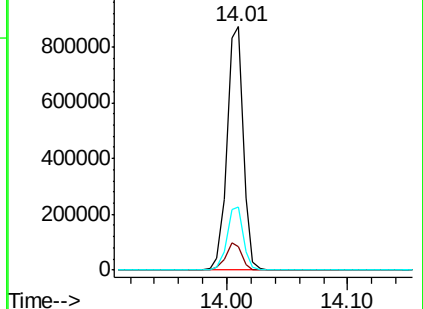
236 26.1 21.0 31.4

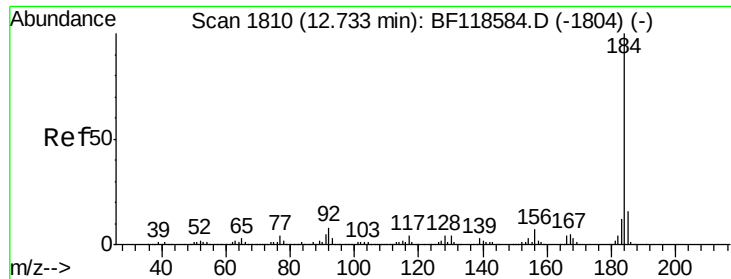


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

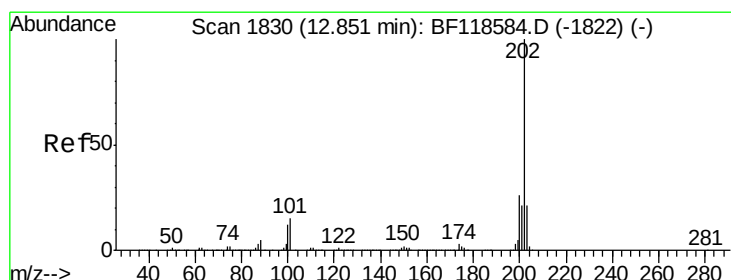
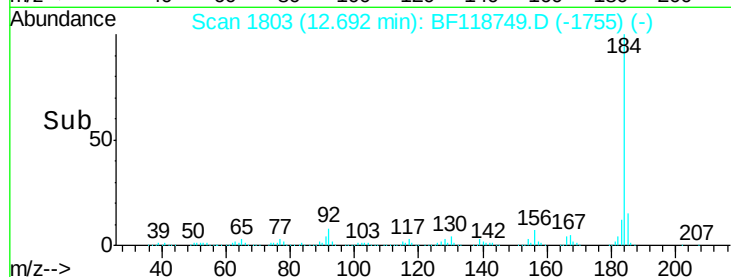
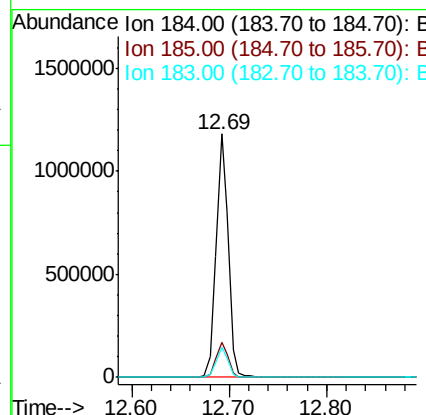
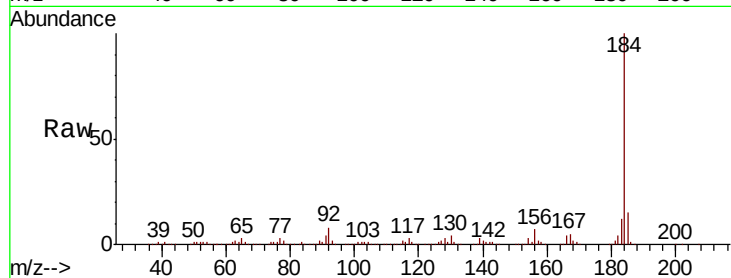




#77  
Benzidine  
Concen: 46.811 ng  
RT: 12.69 min Scan# 1803  
Delta R.T. -0.02 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

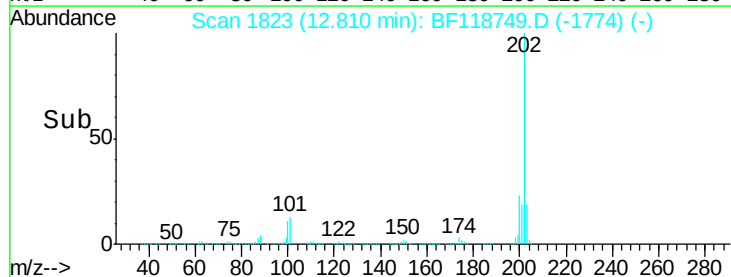
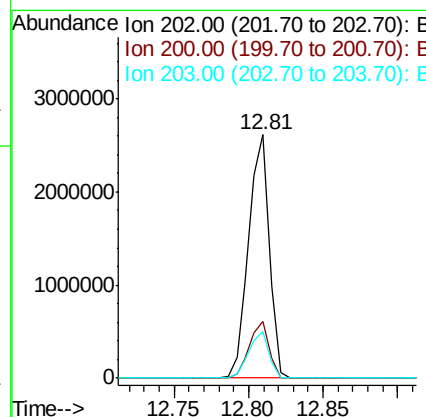
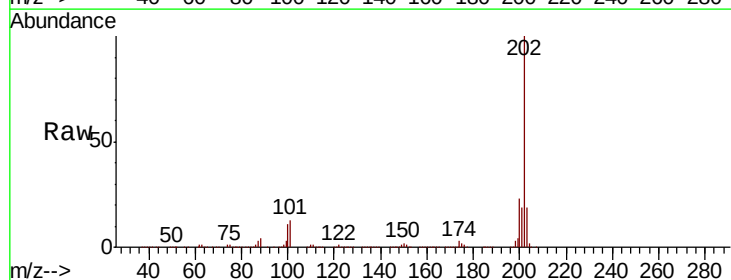
Instrument :  
BNA\_F  
ClientSampleId :

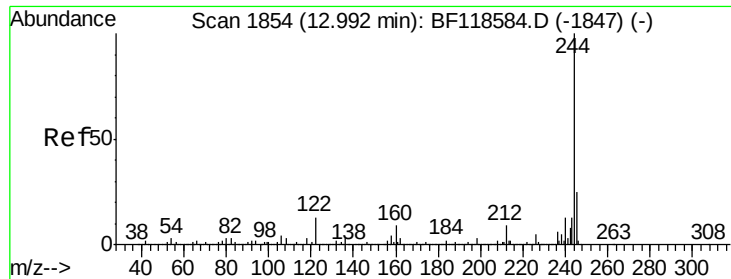
Tot Ion:184 Resp: 1018985  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.8 17.8  
183 12.2 9.7 14.5



#78  
Pyrene  
Concen: 45.321 ng  
RT: 12.81 min Scan# 1823  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:202 Resp: 2506700  
Ion Ratio Lower Upper  
202 100  
200 23.0 18.1 27.1  
203 18.9 15.2 22.8





#79

Terphenyl-d14

Concen: 95.213 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

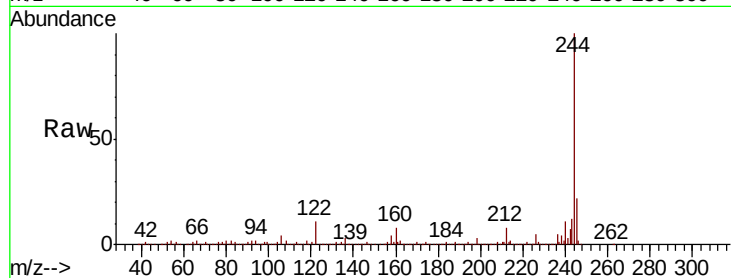
Tot Ion:244 Resp: 3556443

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

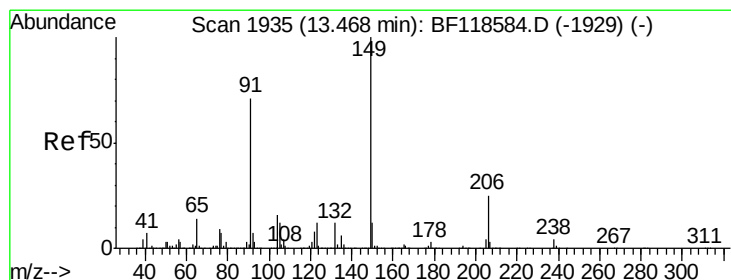
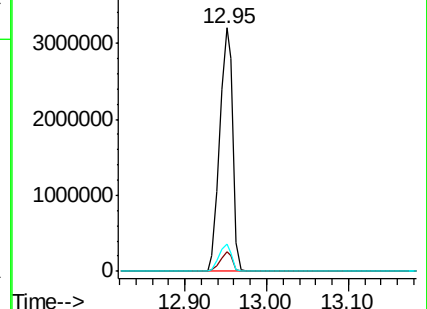
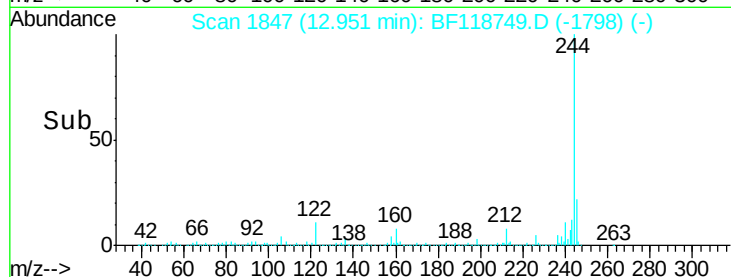
122 11.2 9.2 13.8



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: 47.011 ng

RT: 13.43 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

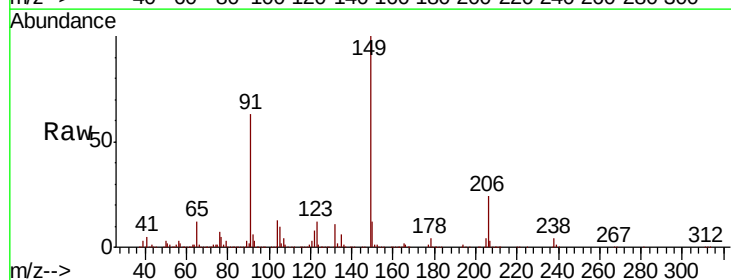
Tgt Ion:149 Resp: 1064151

Ion Ratio Lower Upper

149 100

91 62.8 49.6 74.4

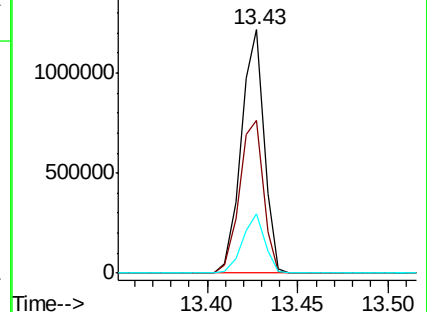
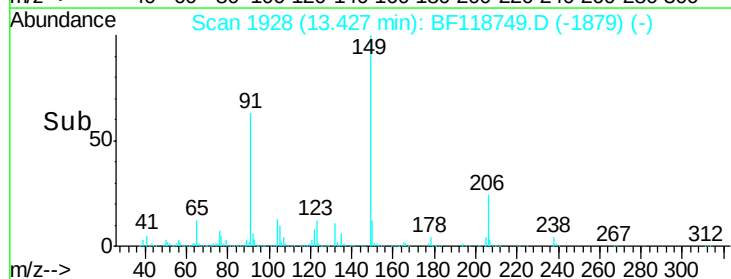
206 24.4 19.9 29.9

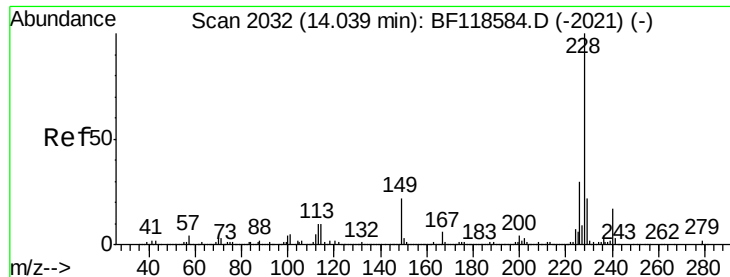


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

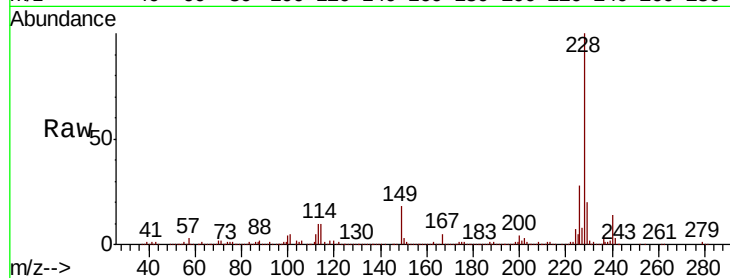




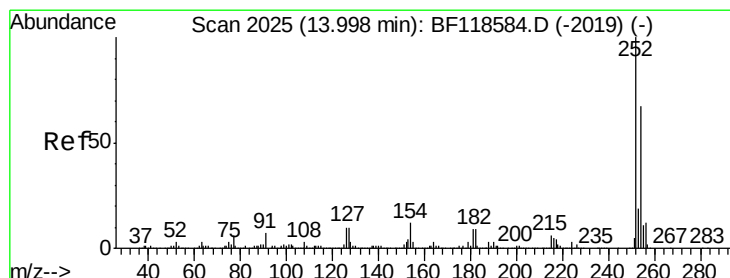
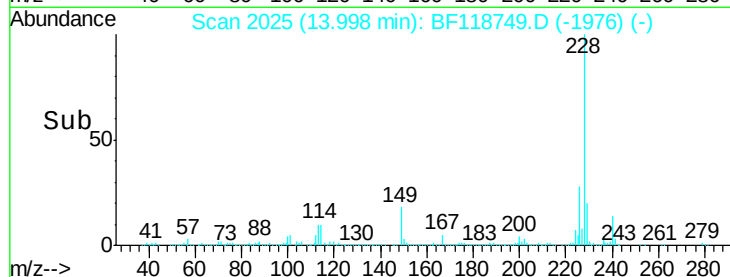
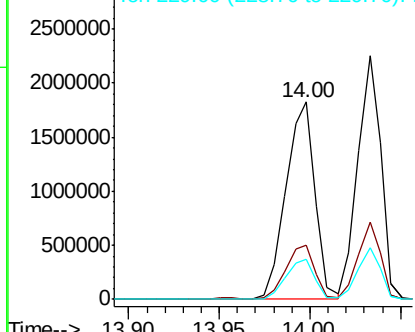
#81  
Benzo(a)anthracene  
Concen: 41.745 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 2045827  
Ion Ratio Lower Upper  
228 100  
226 27.8 22.6 34.0  
229 20.3 16.6 25.0

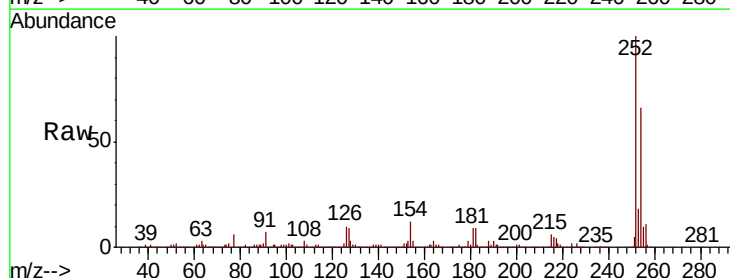


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

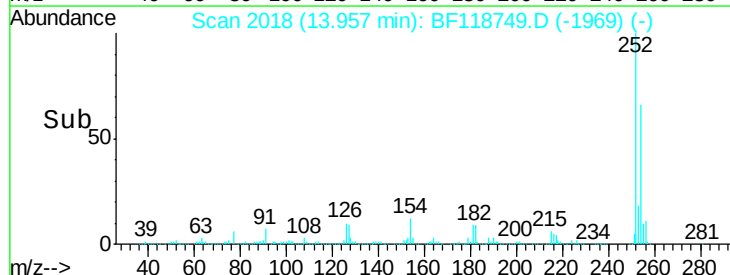
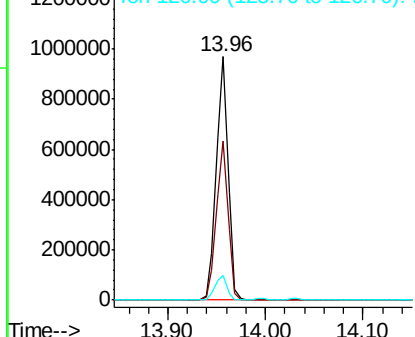


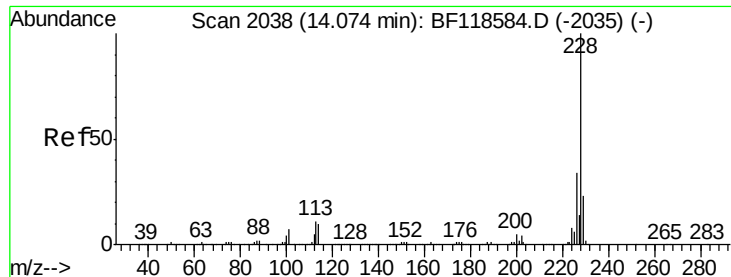
#82  
3,3'-Dichlorobenzidine  
Concen: 46.900 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. -0.01 min  
Lab File: BF118749.D  
Acq: 30 Jan 2020 14:05

Tgt Ion:252 Resp: 819015  
Ion Ratio Lower Upper  
252 100  
254 65.5 52.6 78.8  
126 10.2 8.1 12.1



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





#83

Chrysene

Concen: 42.714 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

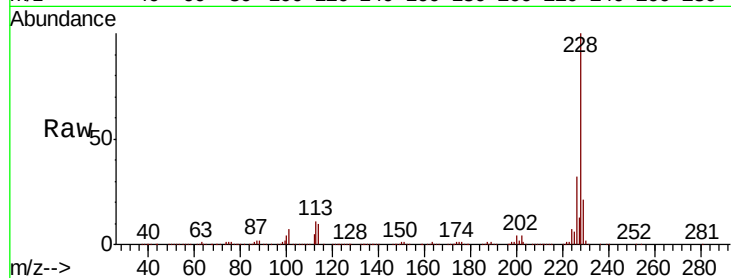
Tot Ion:228 Resp: 2006267

Ion Ratio Lower Upper

228 100

226 31.7 25.6 38.4

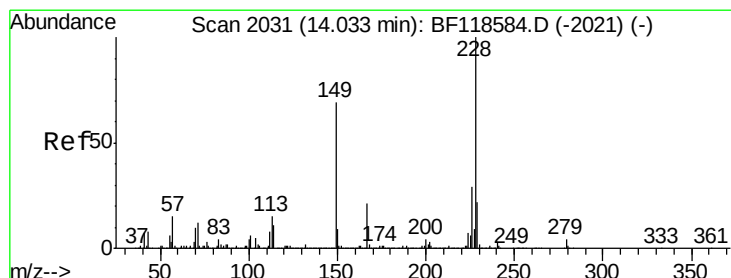
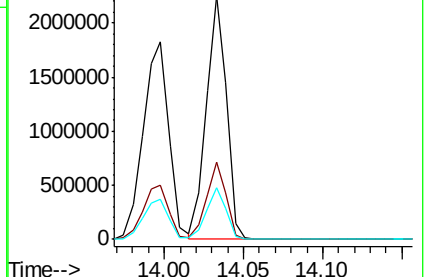
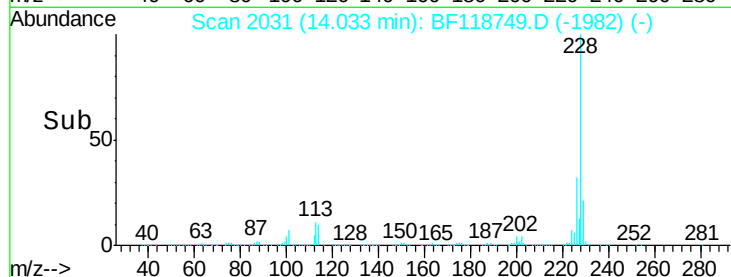
229 21.5 17.1 25.7



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: 47.852 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

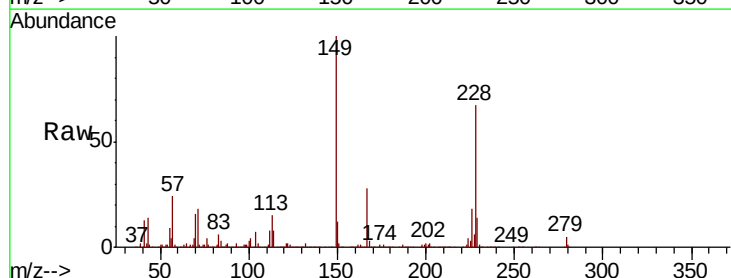
Tgt Ion:149 Resp: 1323368

Ion Ratio Lower Upper

149 100

167 28.3 23.6 35.4

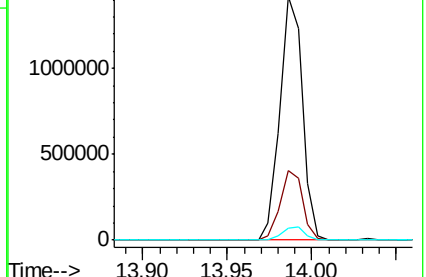
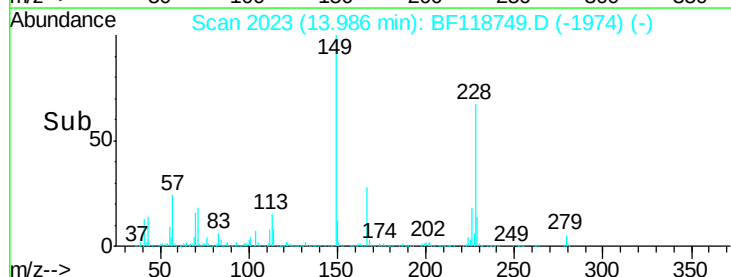
279 4.9 4.5 6.7

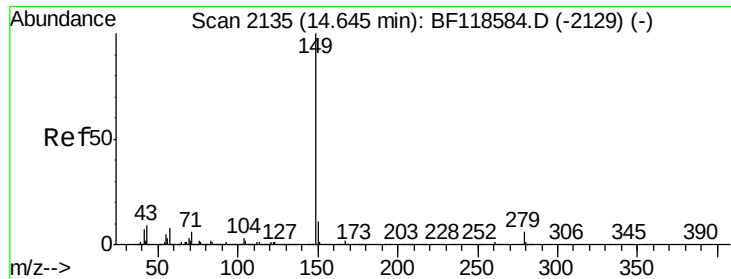


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 51.817 ng

RT: 14.60 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

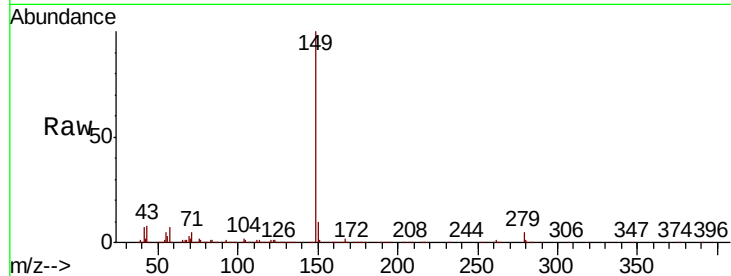
Tot Ion:149 Resp: 2121144

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

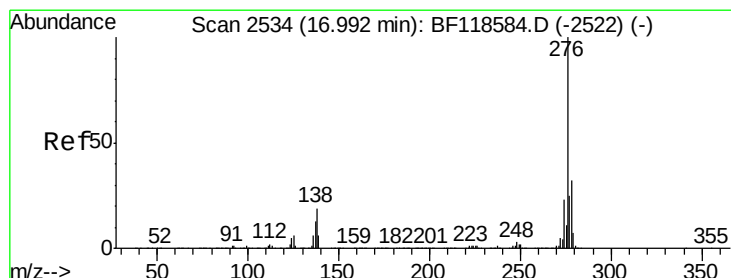
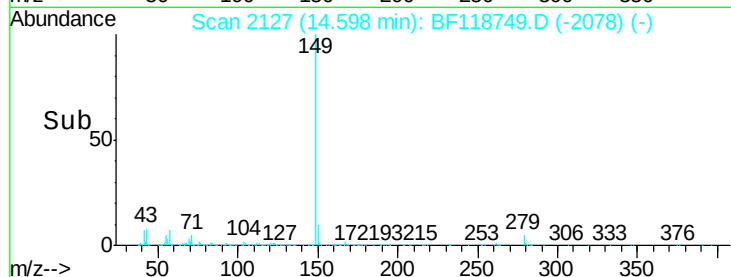
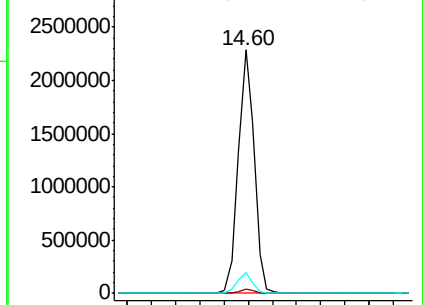
43 8.1 6.6 10.0



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: 48.351 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.03 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

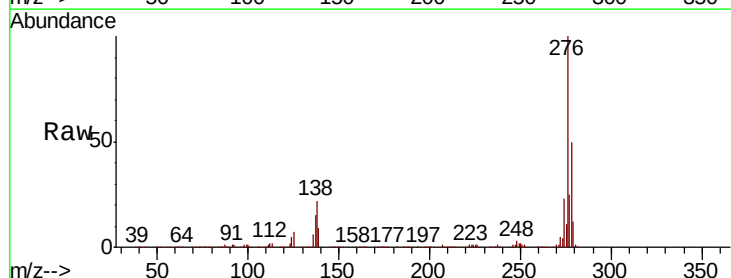
Tgt Ion:276 Resp: 1973281

Ion Ratio Lower Upper

276 100

138 23.1 18.2 27.4

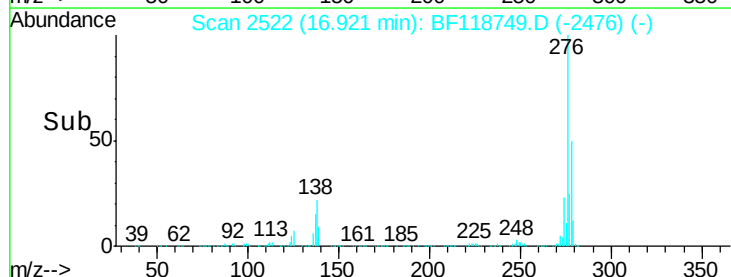
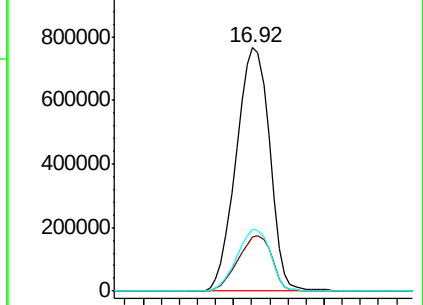
277 25.6 20.4 30.6

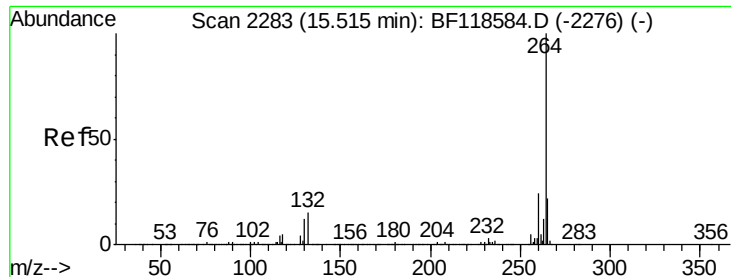


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

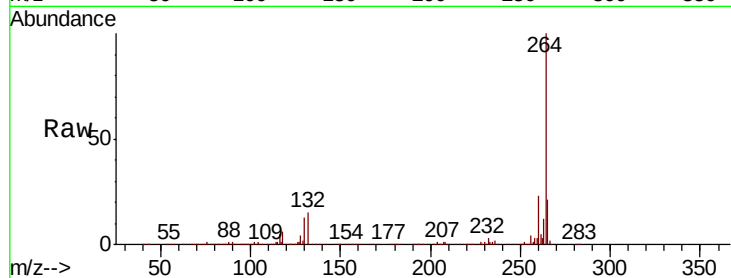
Tot Ion:264 Resp: 767042

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

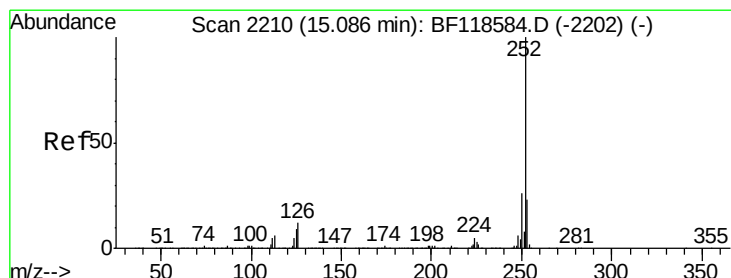
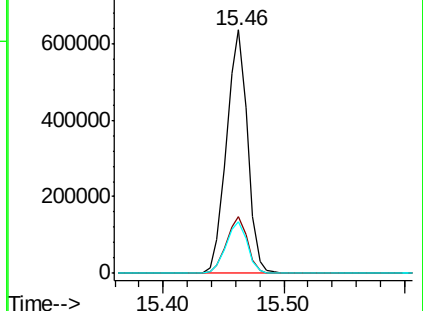
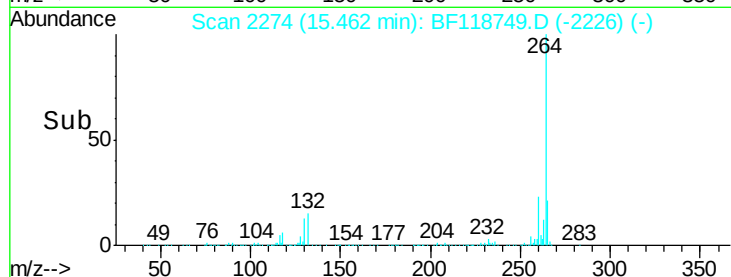
265 21.0 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 42.258 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

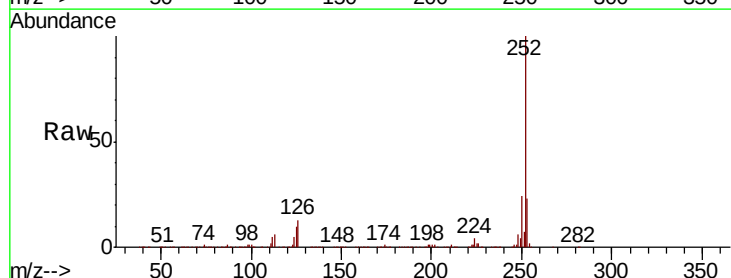
Tgt Ion:252 Resp: 2037420

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

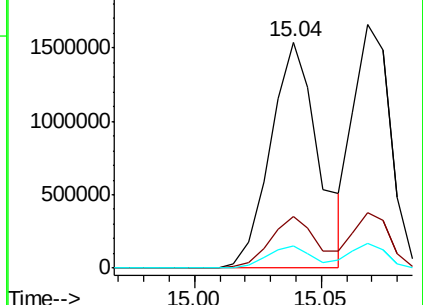
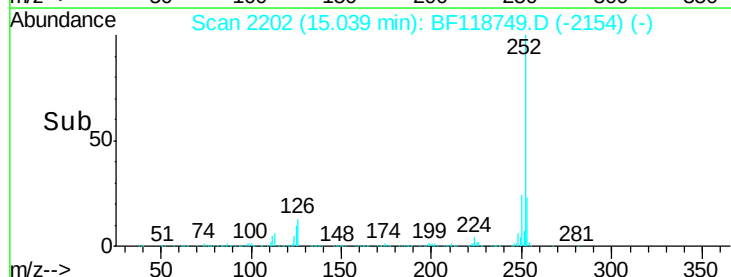
125 9.8 7.7 11.5



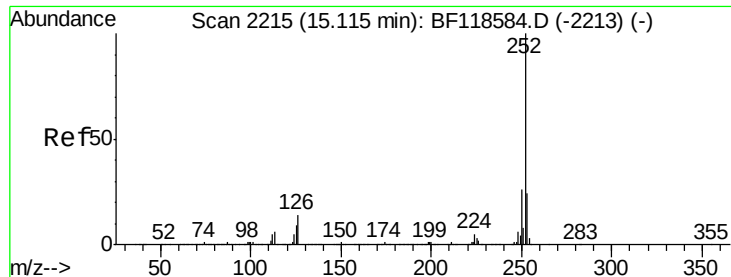
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 38.132 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Instrument :

BNA\_F

ClientSampleId :

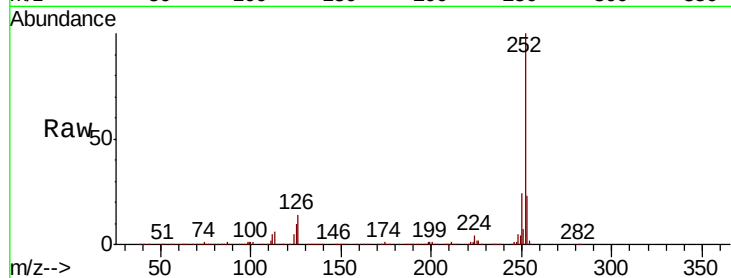
Tot Ion:252 Resp: 1703307

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

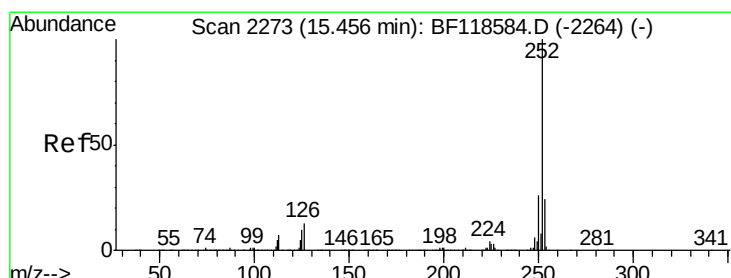
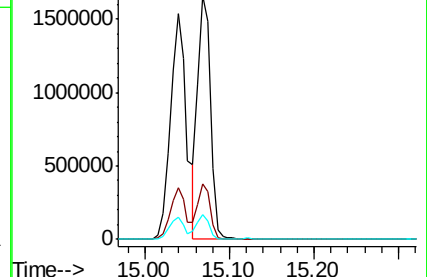
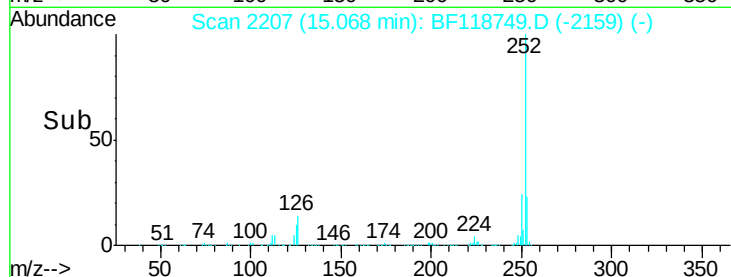
125 10.0 8.1 12.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 40.846 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.02 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

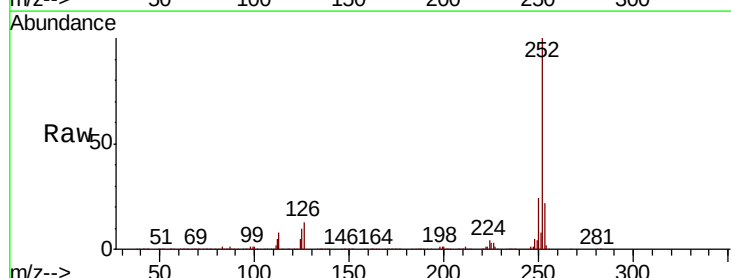
Tgt Ion:252 Resp: 1698823

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

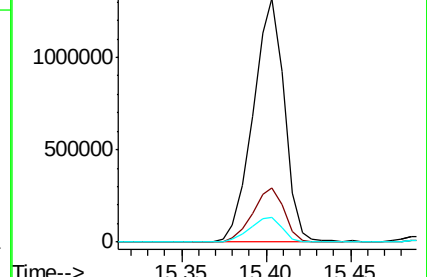
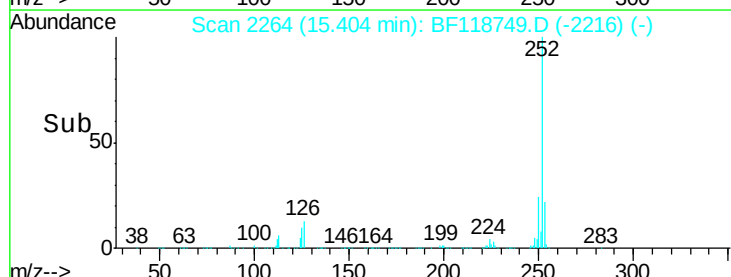
125 10.4 8.3 12.5

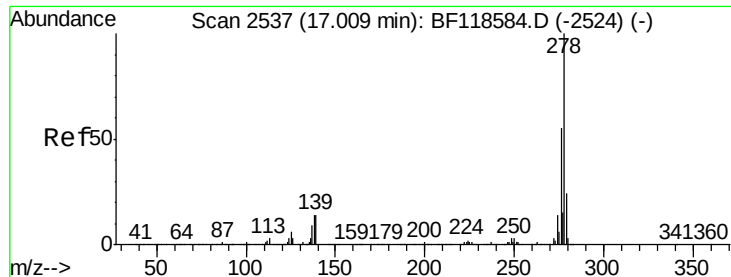


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 44.022 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.03 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

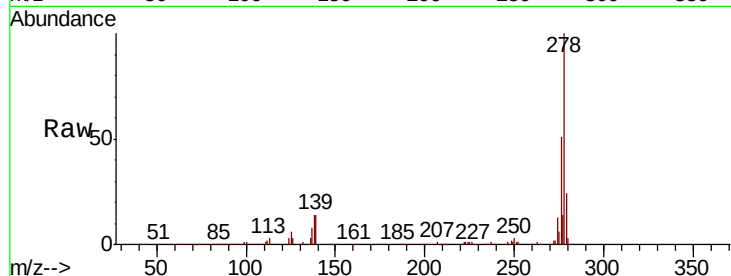
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:278 Resp: 1619553

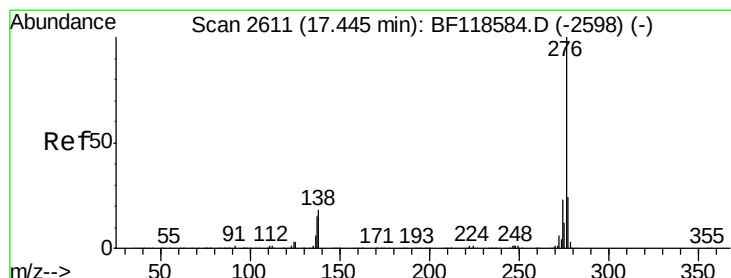
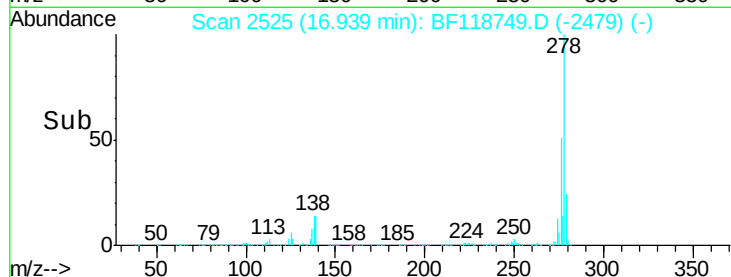
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.5  | 11.8  | 17.6  |
| 279 | 24.0  | 19.1  | 28.7  |



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: 45.372 ng

RT: 17.36 min Scan# 2597

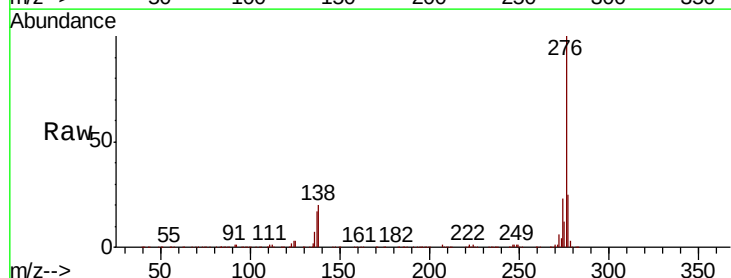
Delta R.T. -0.03 min

Lab File: BF118749.D

Acq: 30 Jan 2020 14:05

Tgt Ion:276 Resp: 1620724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.6  | 19.0  | 28.6  |
| 138 | 19.6  | 15.4  | 23.2  |



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

