

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020520\  
 Data File : BF118822.D  
 Acq On : 5 Feb 2020 11:08  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Feb 06 00:22:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 245556   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 903961   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 529750   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 990693   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 714622   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.42 | 264  | 695773   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 1083102 | 83.49 | ng | 0.00 |
| 7) Phenol-d6             | 6.45  | 99  | 1319934 | 81.97 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 1214543 | 80.08 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.64 | 330 | 506590  | 79.92 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.17  | 172 | 2389533 | 80.64 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.92 | 244 | 2942000 | 84.56 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.54 | 88  | 234616  | 39.686 | ng | 99     |
| 3) Pyridine                    | 3.28 | 79  | 659759  | 40.190 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 235175  | 39.348 | ng | 99     |
| 6) Aniline                     | 6.48 | 93  | 841443  | 40.571 | ng | 100    |
| 8) 2-Chlorophenol              | 6.60 | 128 | 599137  | 41.466 | ng | 99     |
| 9) Benzaldehyde                | 6.36 | 77  | 370835  | 39.873 | ng | 100    |
| 10) Phenol                     | 6.46 | 94  | 730048  | 40.773 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 553938  | 40.437 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146 | 707440  | 41.133 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 712621  | 41.539 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146 | 658028  | 40.153 | ng | 98     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 505153  | 40.584 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 680587  | 40.570 | ng | 99     |
| 17) 2-Methylphenol             | 7.07 | 107 | 486995  | 40.540 | ng | 99     |
| 18) Hexachloroethane           | 7.33 | 117 | 252245  | 40.967 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 388144  | 39.394 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 576918  | 38.315 | ng | 94     |
| 22) Acetophenone               | 7.23 | 105 | 795349  | 40.497 | ng | # 97   |
| 24) Nitrobenzene               | 7.40 | 77  | 602659  | 39.778 | ng | 97     |
| 25) Isophorone                 | 7.64 | 82  | 1056691 | 38.769 | ng | 98     |
| 26) 2-Nitrophenol              | 7.72 | 139 | 326605  | 40.456 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 434420  | 39.613 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 705769  | 39.932 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 527689  | 40.179 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.04 | 180 | 621566  | 40.490 | ng | 99     |
| 31) Naphthalene                | 8.12 | 128 | 1690354 | 40.886 | ng | 100    |
| 32) Benzoic acid               | 7.87 | 122 | 338355  | 37.265 | ng | 98     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 735487  | 39.763 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 382846  | 40.707 | ng | 100    |
| 35) Caprolactam                | 8.54 | 113 | 164025  | 38.526 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 529174  | 40.037 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 1163421 | 40.575 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.91 | 142 | 1096019 | 40.633 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 629485  | 39.372 | ng | 100    |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

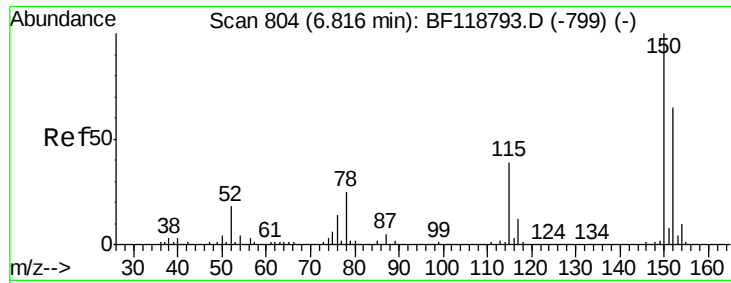
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Feb 06 00:22:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.97  | 237  | 224725   | 35.846 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 410725   | 38.416 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.13  | 196  | 419026   | 38.357 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.27  | 154  | 1457337  | 39.769 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 1208727  | 39.677 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.39  | 65   | 333756   | 37.985 | ng    | 97       |
| 49) Acenaphthylene             | 9.72  | 152  | 1804927  | 41.034 | ng    | 99       |
| 50) Dimethylphthalate          | 9.57  | 163  | 1448068  | 40.145 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 327634   | 39.697 | ng    | 97       |
| 52) Acenaphthene               | 9.89  | 154  | 1181041  | 40.746 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.80  | 138  | 365266   | 39.905 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.91  | 184  | 147294   | 37.123 | ng    | 90       |
| 55) Dibenzofuran               | 10.06 | 168  | 1665024  | 39.749 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.96  | 139  | 254107   | 38.358 | ng    | 92       |
| 57) 2,4-Dinitrotoluene         | 10.04 | 165  | 439638   | 40.251 | ng    | 95       |
| 58) Fluorene                   | 10.40 | 166  | 1267339  | 40.216 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 377755   | 39.596 | ng    | 99       |
| 60) Diethylphthalate           | 10.27 | 149  | 1417620  | 40.417 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 679488   | 39.759 | ng    | 99       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 364714   | 39.789 | ng    | 96       |
| 63) Azobenzene                 | 10.55 | 77   | 1224781  | 40.901 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 215523   | 38.716 | ng    | 87       |
| 66) n-Nitrosodiphenylamine     | 10.51 | 169  | 1171374  | 40.819 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.88 | 248  | 471749   | 40.253 | ng    | 98       |
| 68) Hexachlorobenzene          | 10.95 | 284  | 538471   | 40.058 | ng    | 99       |
| 69) Atrazine                   | 11.03 | 200  | 379019   | 39.644 | ng    | 99       |
| 70) Pentachlorophenol          | 11.15 | 266  | 266896   | 37.603 | ng    | 97       |
| 71) Phenanthrene               | 11.36 | 178  | 1953535  | 40.078 | ng    | 99       |
| 72) Anthracene                 | 11.41 | 178  | 1940748  | 40.023 | ng    | 99       |
| 73) Carbazole                  | 11.56 | 167  | 1760264  | 41.363 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 2173819  | 40.099 | ng    | 99       |
| 75) Fluoranthene               | 12.54 | 202  | 2069857  | 38.893 | ng    | 99       |
| 77) Benzidine                  | 12.66 | 184  | 848813   | 39.271 | ng    | 99       |
| 78) Pyrene                     | 12.77 | 202  | 2084541  | 42.520 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 915508   | 40.914 | ng    | 99       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 1762139  | 41.438 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 712600   | 40.972 | ng    | 98       |
| 83) Chrysene                   | 14.00 | 228  | 1737959  | 40.721 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 1179840  | 41.559 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 1915247  | 39.380 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.85 | 276  | 1665336  | 38.836 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.00 | 252  | 1639229  | 37.968 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.03 | 252  | 1657644  | 44.091 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.36 | 252  | 1493759  | 40.428 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.87 | 278  | 1372298  | 41.838 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.28 | 276  | 1263064  | 40.041 | ng    | 98       |

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



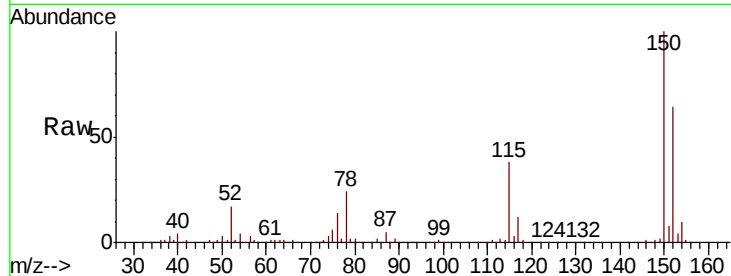


#1

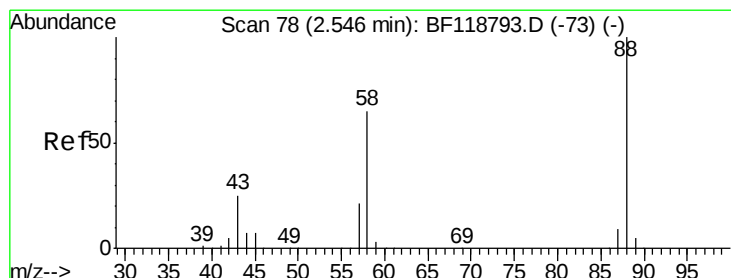
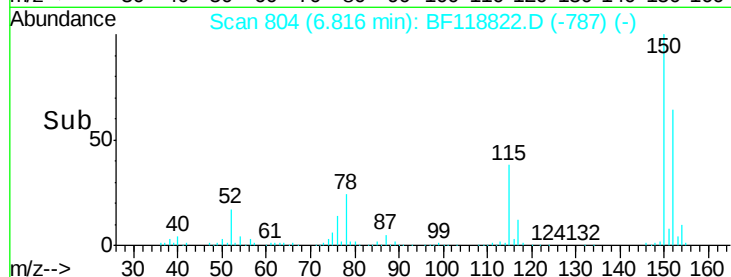
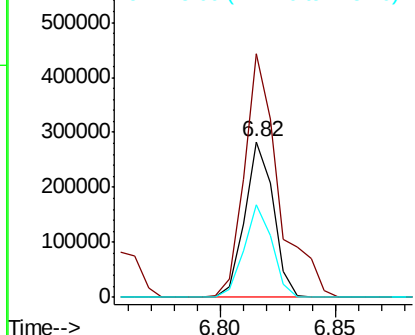
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:152 Resp: 245556  
Ion Ratio Lower Upper  
152 100  
150 156.2 123.6 185.4  
115 59.4 48.2 72.2



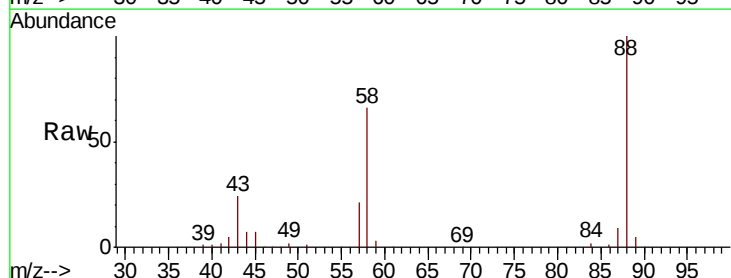
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



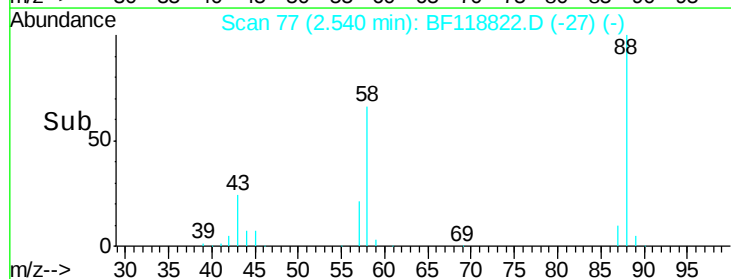
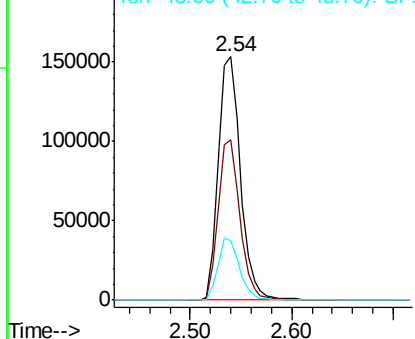
#2

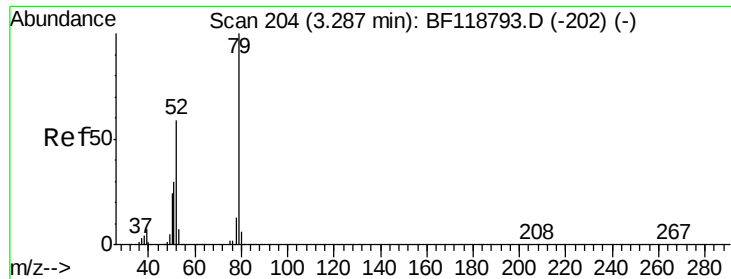
1,4-Dioxane  
Concen: 39.686 ng  
RT: 2.54 min Scan# 77  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion: 88 Resp: 234616  
Ion Ratio Lower Upper  
88 100  
58 63.8 51.6 77.4  
43 24.6 19.8 29.6



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: 40.190 ng

RT: 3.28 min Scan# 203

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

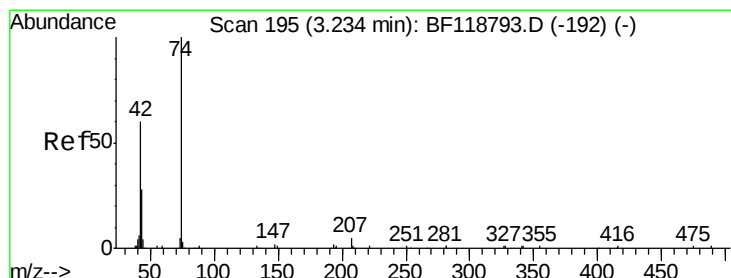
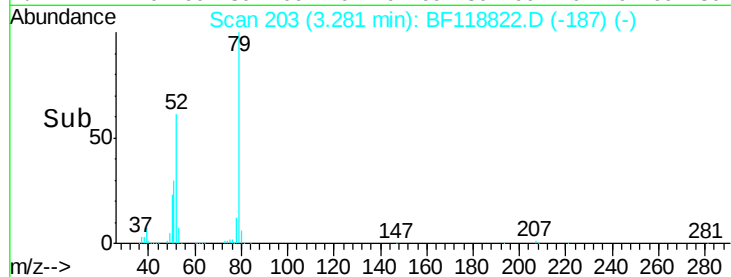
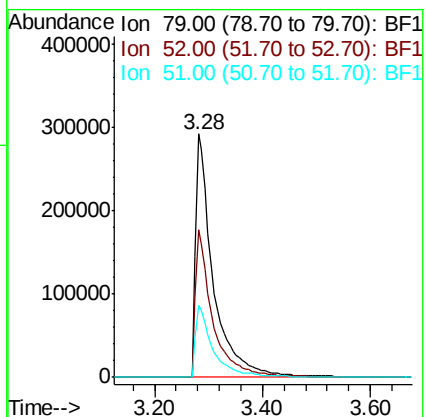
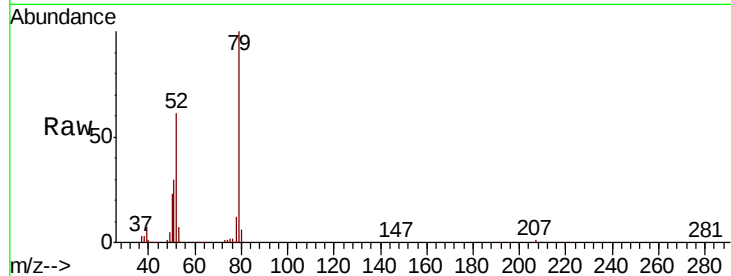
Tot Ion: 79 Resp: 659759

Ion Ratio Lower Upper

79 100

52 60.6 47.4 71.0

51 29.7 24.2 36.4



#4

n-Nitrosodimethylamine

Concen: 39.348 ng

RT: 3.22 min Scan# 193

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

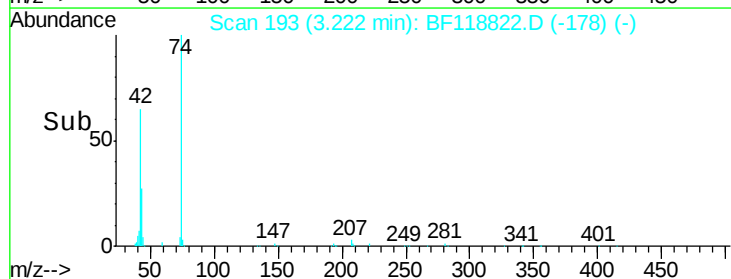
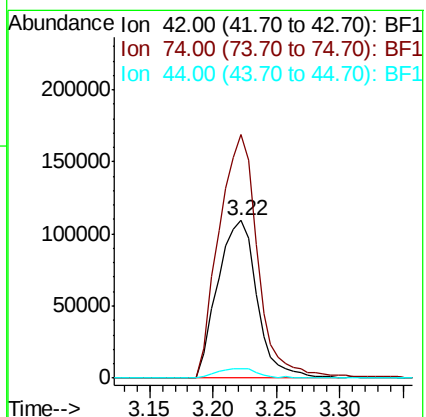
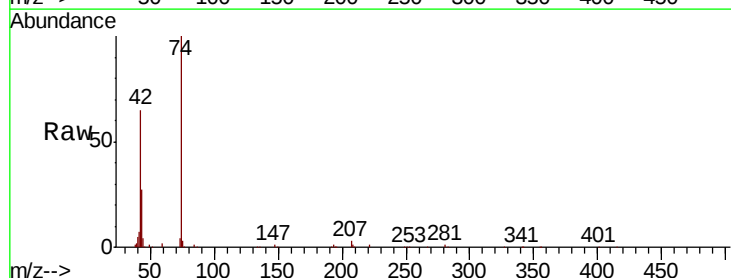
Tgt Ion: 42 Resp: 235175

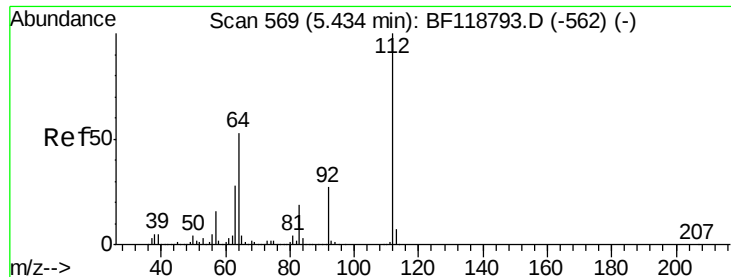
Ion Ratio Lower Upper

42 100

74 154.4 124.3 186.5

44 6.0 5.3 7.9





#5

2-Fluorophenol

Concen: 83.494 ng

RT: 5.43 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

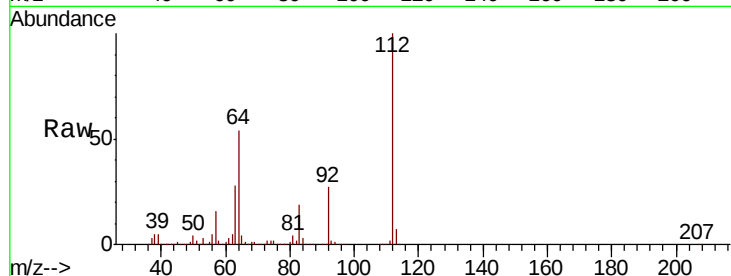
Tot Ion:112 Resp: 1083102

Ion Ratio Lower Upper

112 100

64 53.6 42.6 63.8

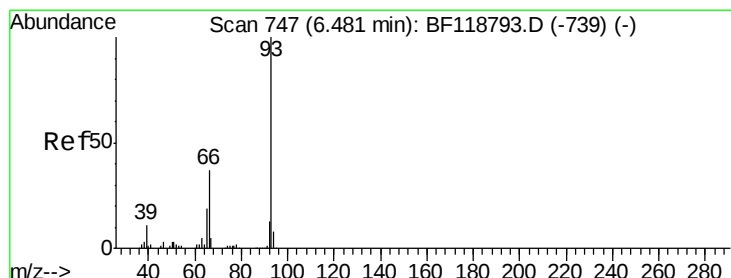
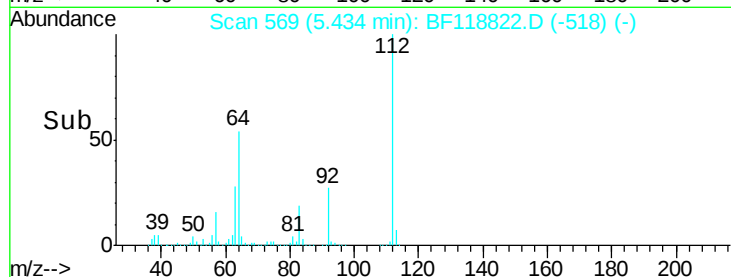
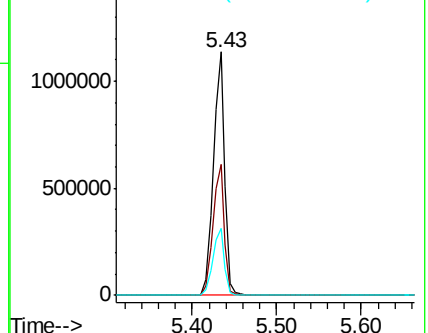
63 27.6 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 40.571 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

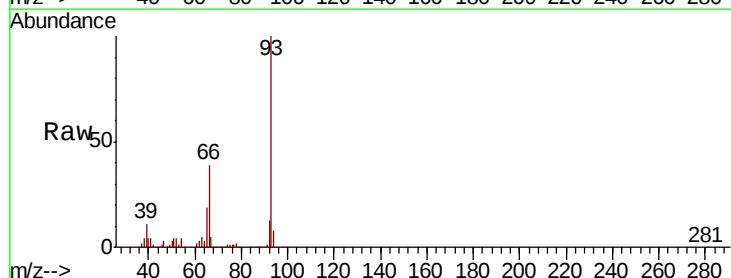
Tgt Ion: 93 Resp: 841443

Ion Ratio Lower Upper

93 100

66 38.7 30.8 46.2

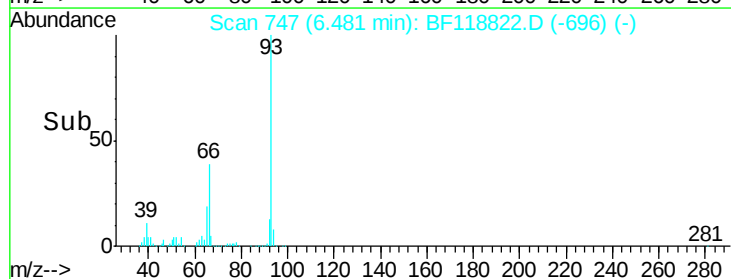
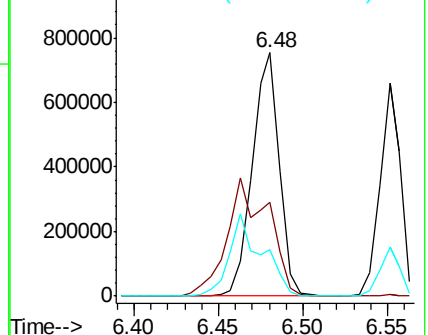
65 19.1 15.4 23.0

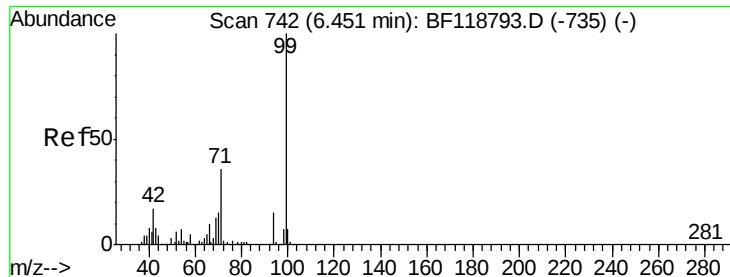


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 81.967 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

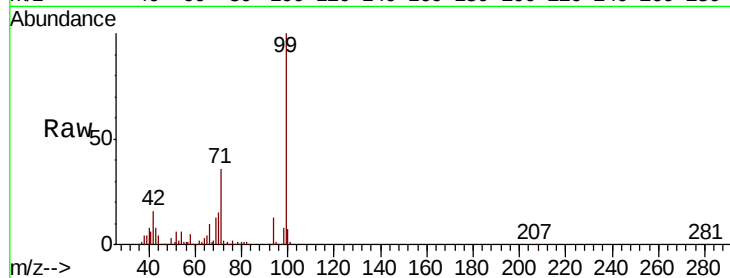
Tot Ion: 99 Resp: 1319934

Ion Ratio Lower Upper

99 100

42 16.1 13.4 20.0

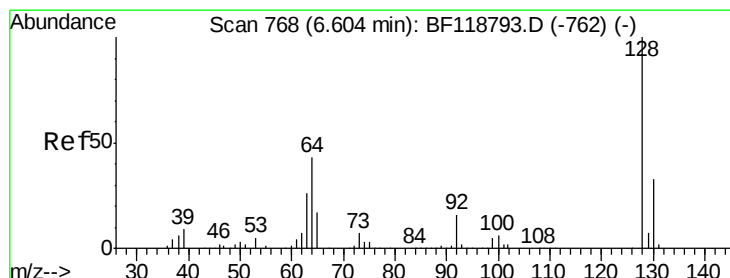
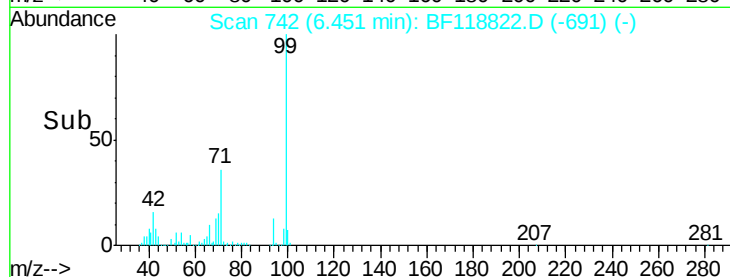
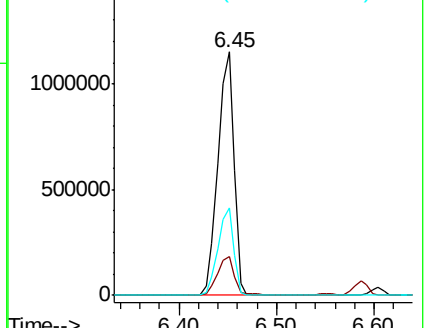
71 35.8 29.0 43.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.466 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

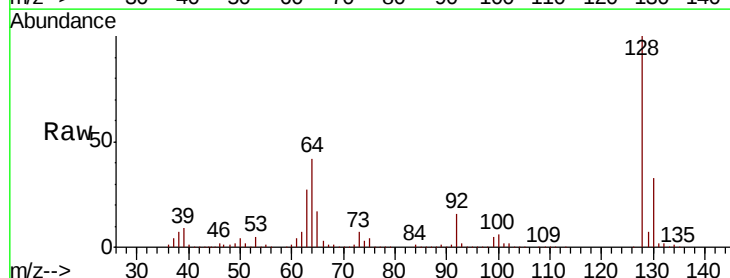
Tgt Ion: 128 Resp: 599137

Ion Ratio Lower Upper

128 100

130 32.6 13.1 53.1

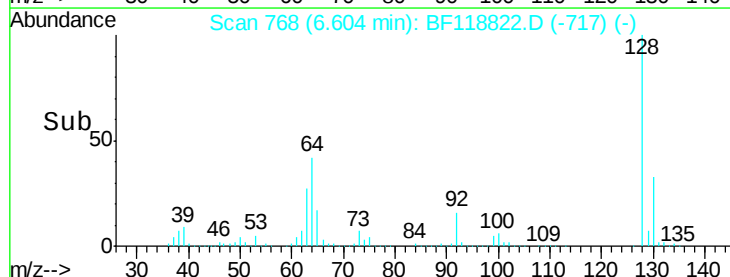
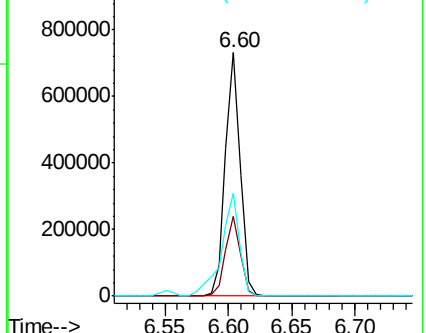
64 42.2 23.0 63.0

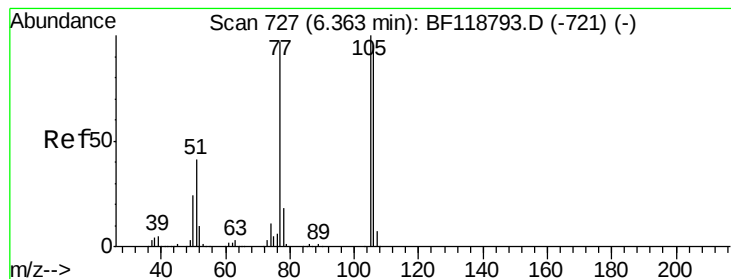


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 39.873 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

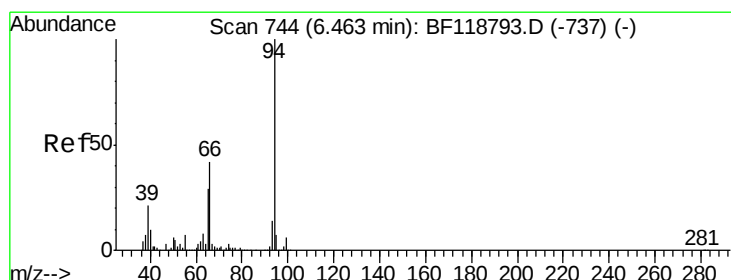
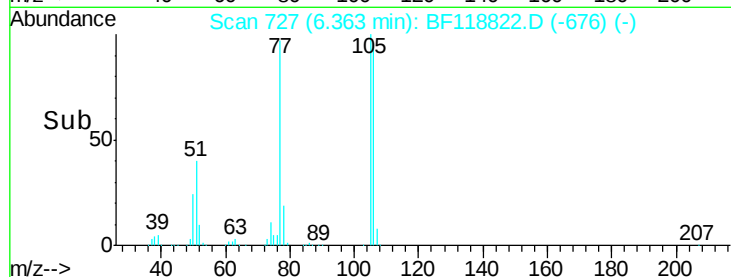
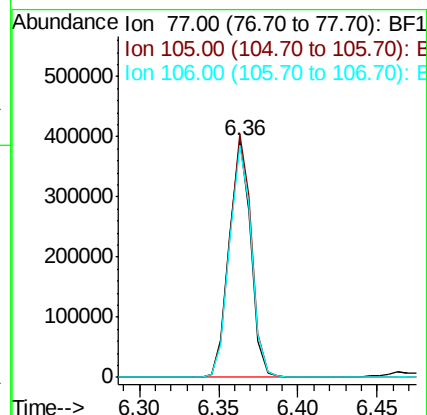
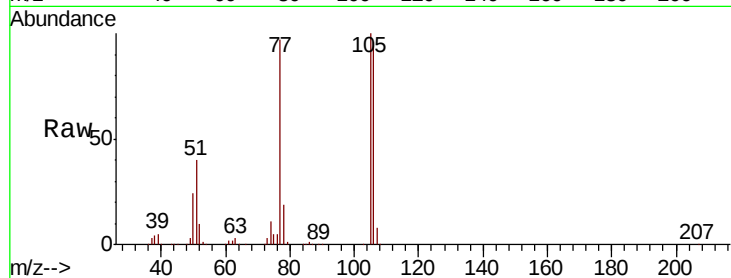
Tot Ion: 77 Resp: 370835

Ion Ratio Lower Upper

77 100

105 102.7 82.8 122.8

106 98.1 78.1 118.1



#10

Phenol

Concen: 40.773 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

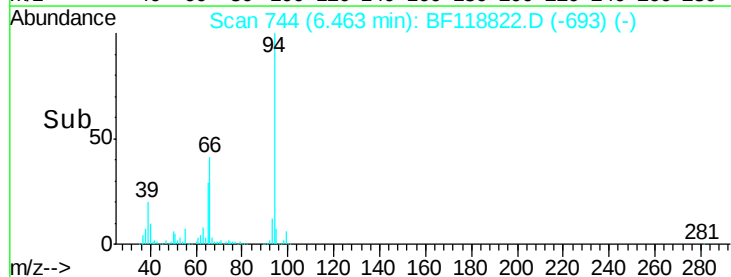
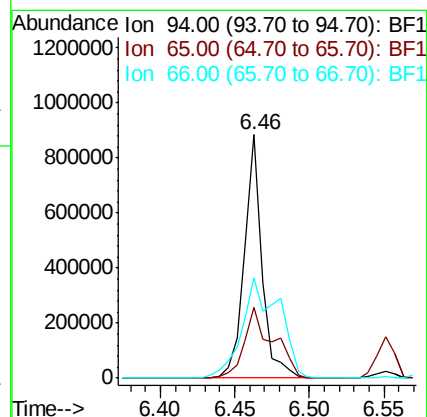
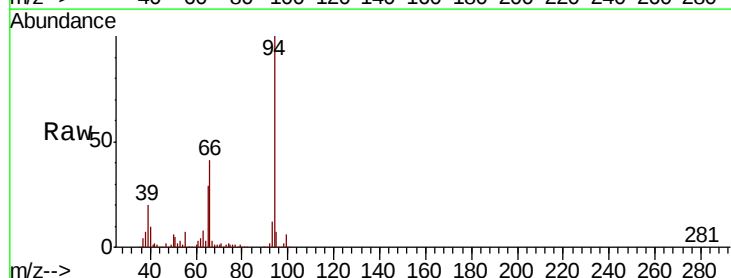
Tgt Ion: 94 Resp: 730048

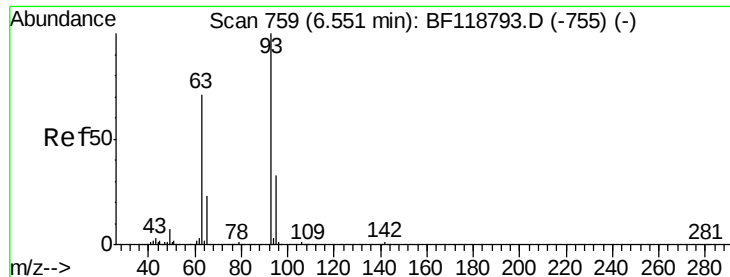
Ion Ratio Lower Upper

94 100

65 28.8 9.1 49.1

66 41.3 21.7 61.7

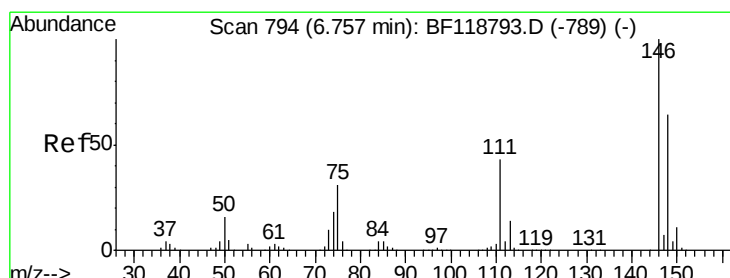
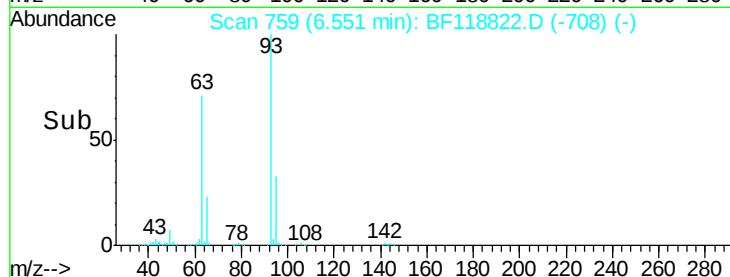
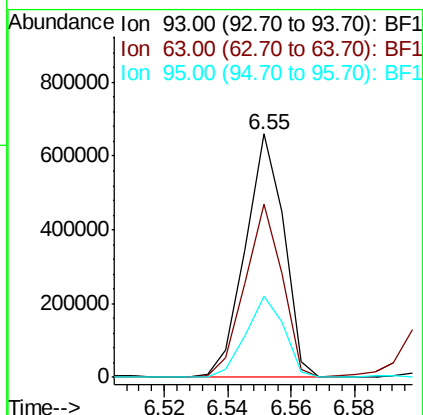
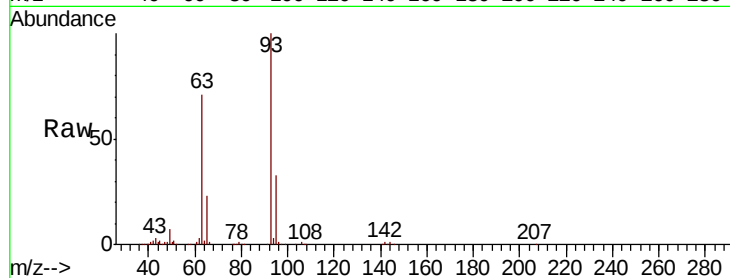




#11  
bis(2-Chloroethyl)ether  
Concen: 40.437 ng  
RT: 6.55 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

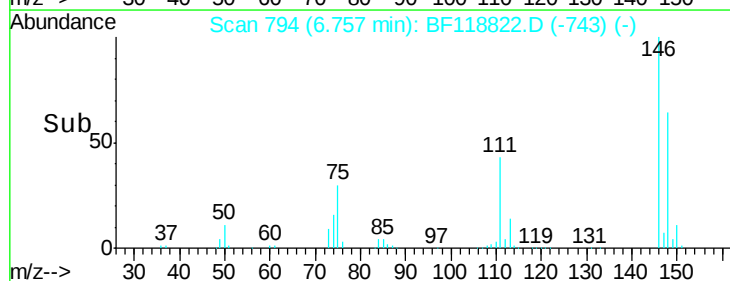
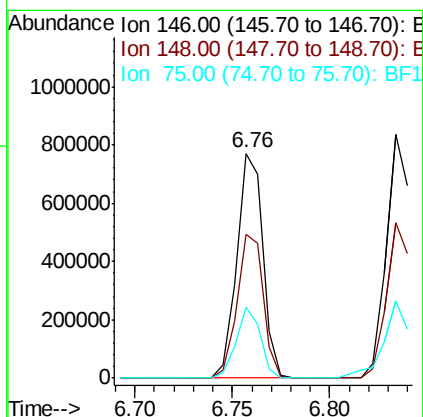
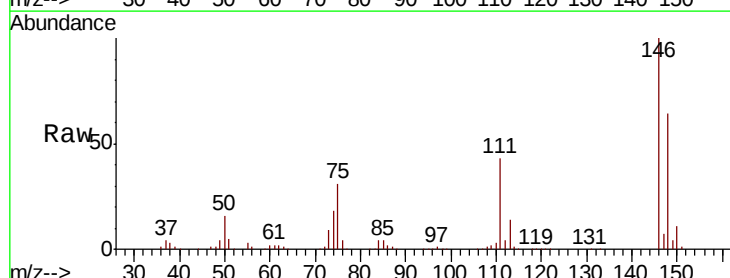
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

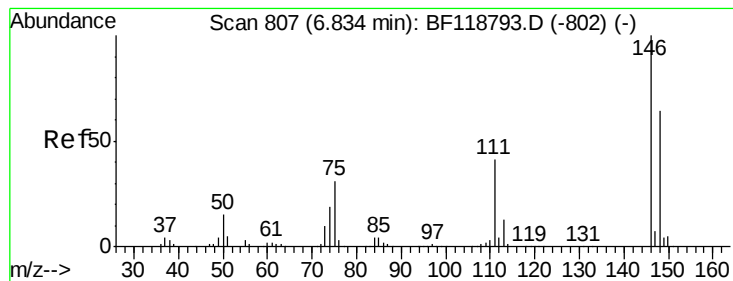
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 71.0  | 50.7  | 90.7  |
| 95      | 33.5  | 12.6  | 52.6  |



#12  
1,3-Dichlorobenzene  
Concen: 41.133 ng  
RT: 6.76 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 51.1  | 76.7  |
| 75      | 31.2  | 25.0  | 37.4  |





#13

1,4-Dichlorobenzene

Concen: 41.539 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

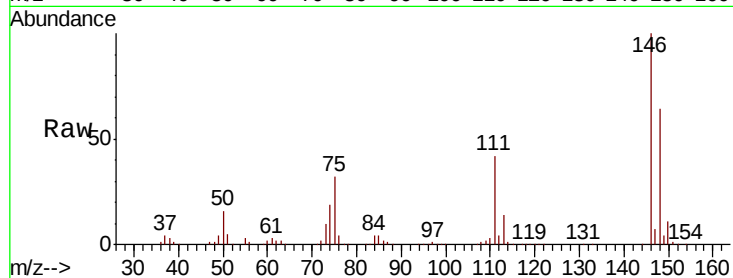
Tot Ion:146 Resp: 712621

Ion Ratio Lower Upper

146 100

148 63.6 51.6 77.4

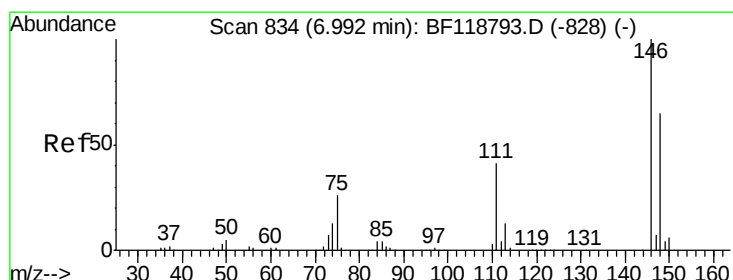
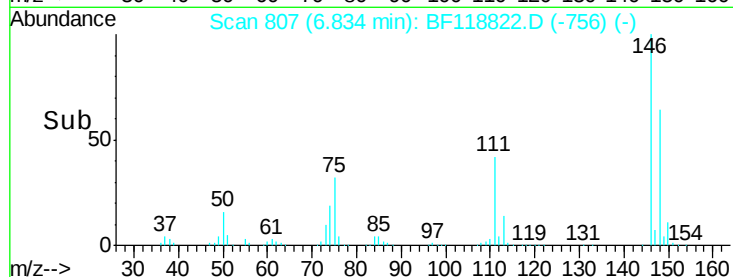
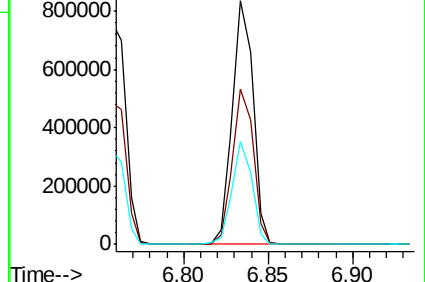
111 42.1 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.153 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

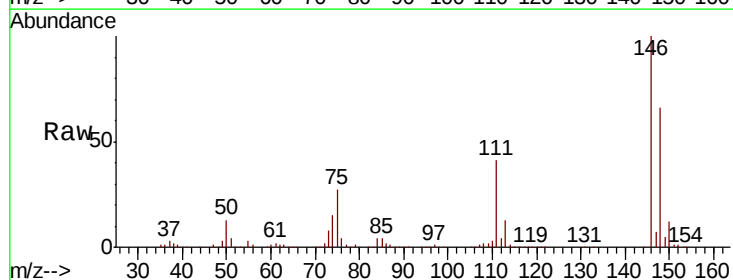
Tgt Ion:146 Resp: 658028

Ion Ratio Lower Upper

146 100

148 66.2 51.6 77.4

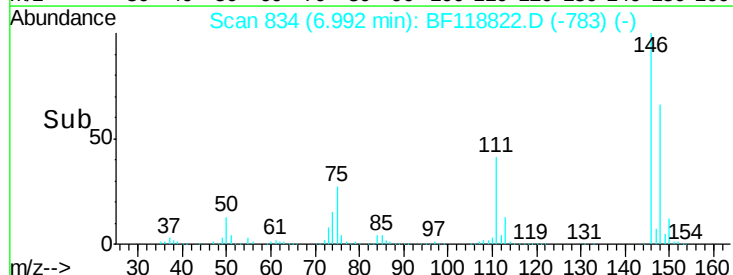
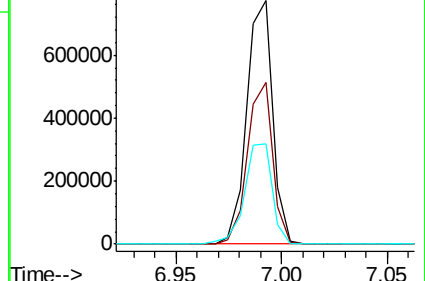
111 41.4 32.7 49.1

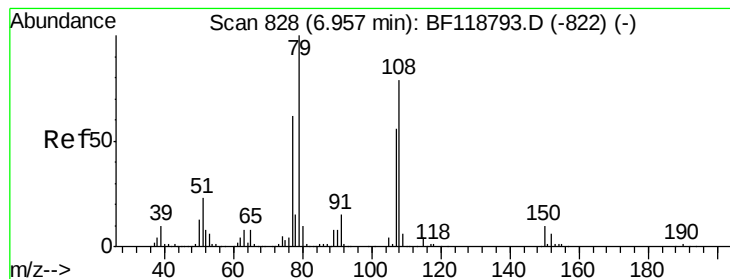


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.584 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

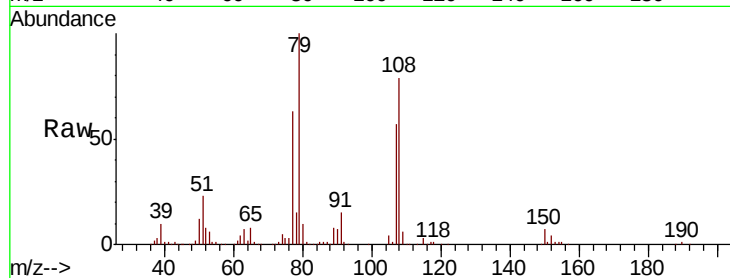
Tot Ion: 79 Resp: 505153

Ion Ratio Lower Upper

79 100

108 79.1 62.9 94.3

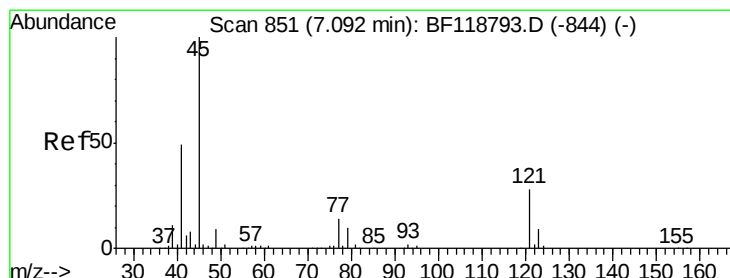
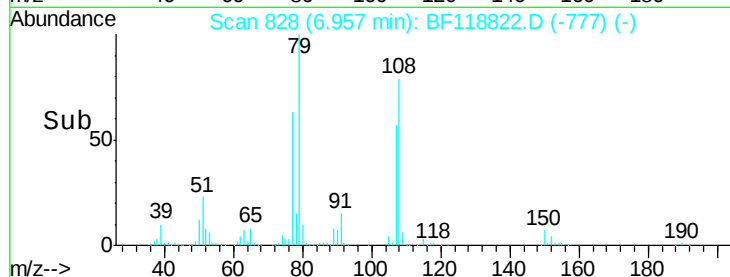
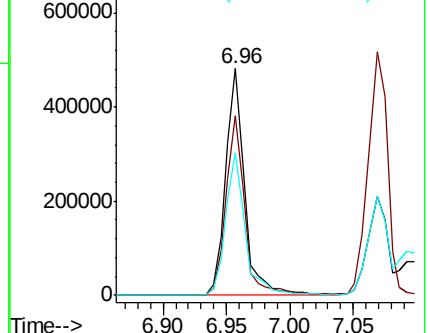
77 63.0 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.570 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

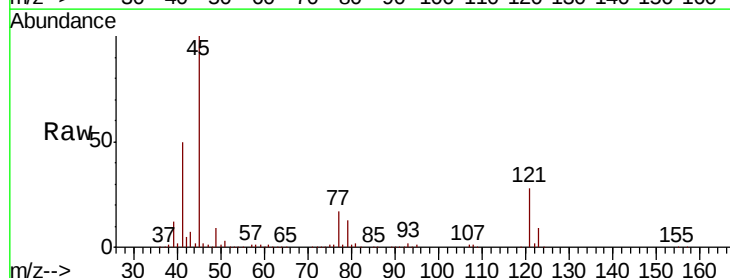
Tgt Ion: 45 Resp: 680587

Ion Ratio Lower Upper

45 100

77 17.5 0.0 37.1

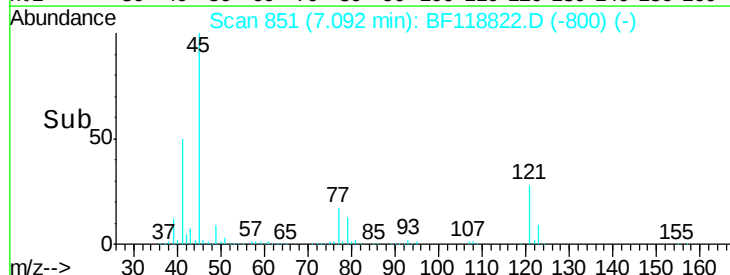
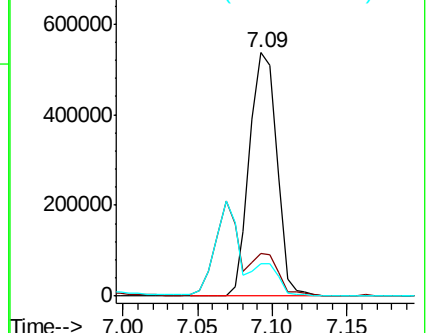
79 13.4 0.0 33.1

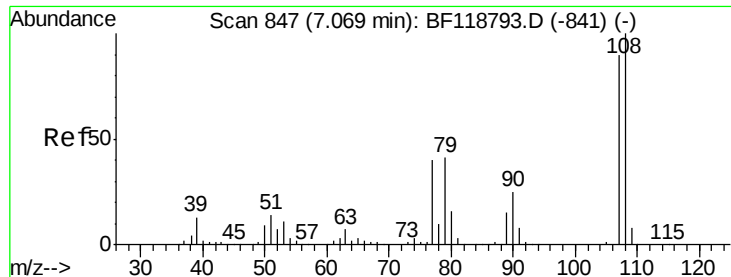


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 40.540 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:107 Resp: 486995

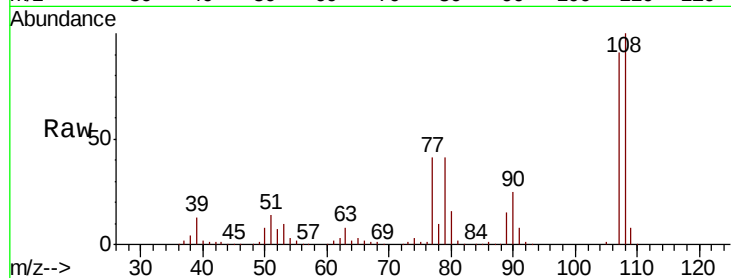
Ion Ratio Lower Upper

107 100

108 109.8 89.3 133.9

77 44.5 36.2 54.2

79 44.7 36.3 54.5

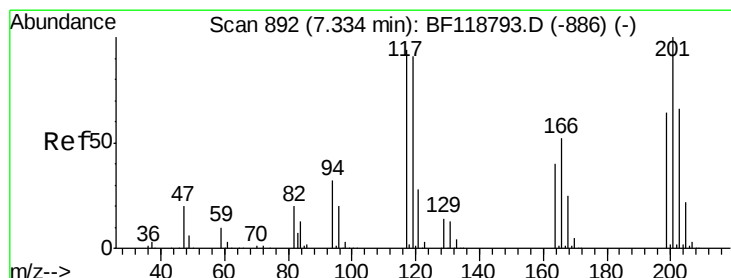
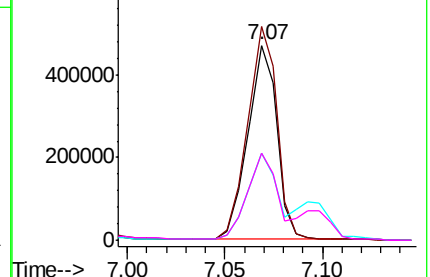
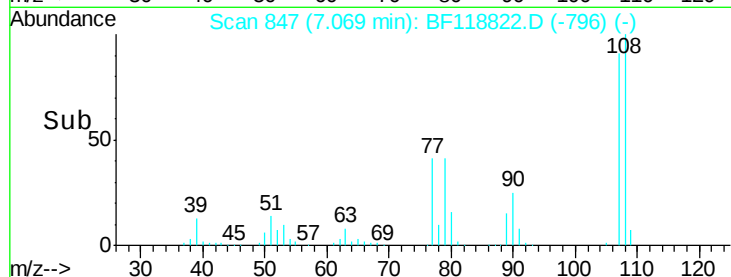


Abundance Ion 107.00 (106.70 to 107.70): E

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: 40.967 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

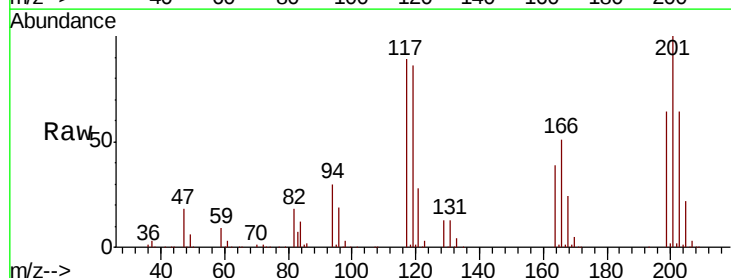
Tgt Ion:117 Resp: 252245

Ion Ratio Lower Upper

117 100

119 96.9 77.4 116.0

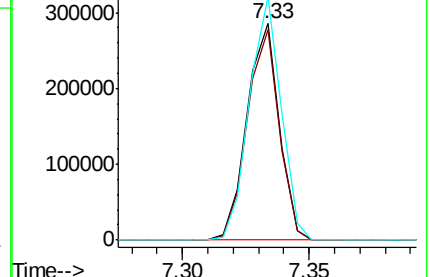
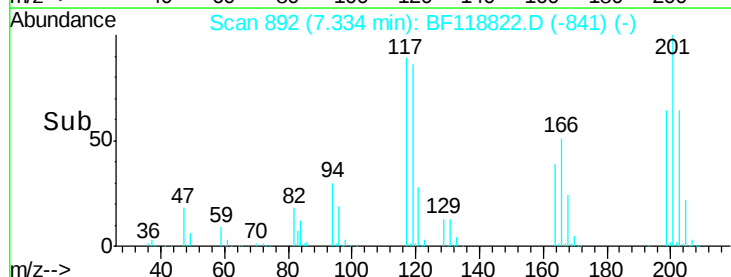
201 112.4 85.1 127.7

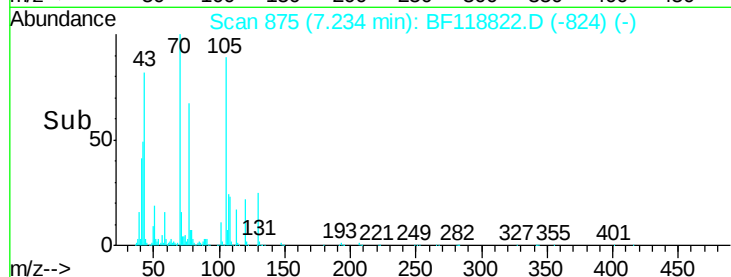
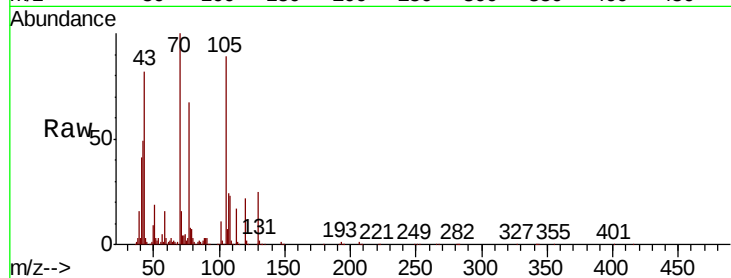
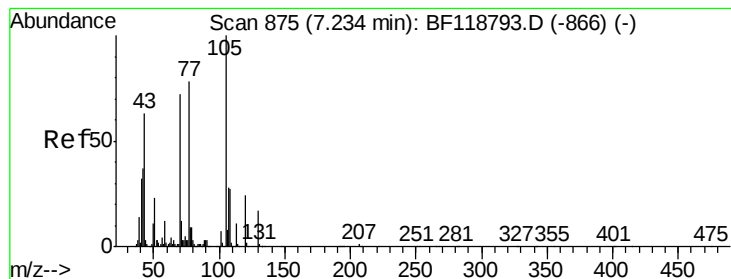


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 39.394 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion: 70 Resp: 388144

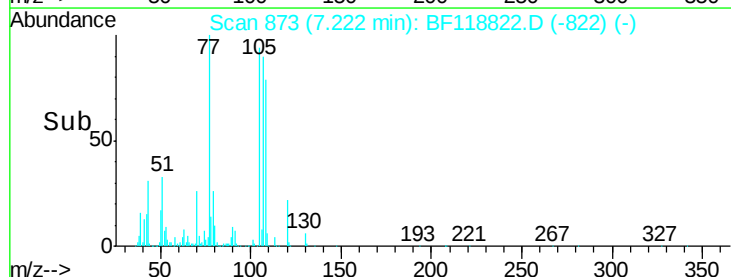
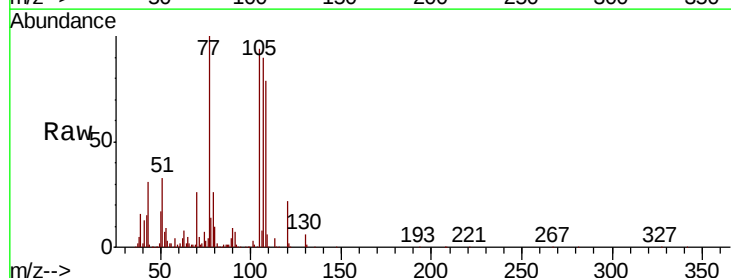
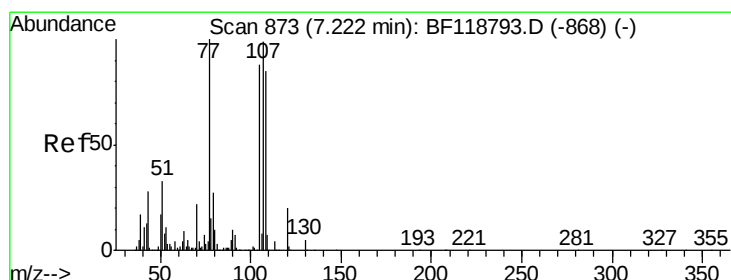
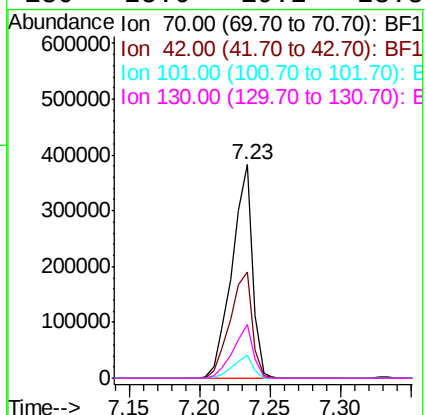
Ion Ratio Lower Upper

70 100

42 49.5 41.5 62.3

101 10.6 8.3 12.5

130 25.0 19.2 28.8



#20

3+4-Methylphenols

Concen: 38.315 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Tgt Ion:107 Resp: 576918

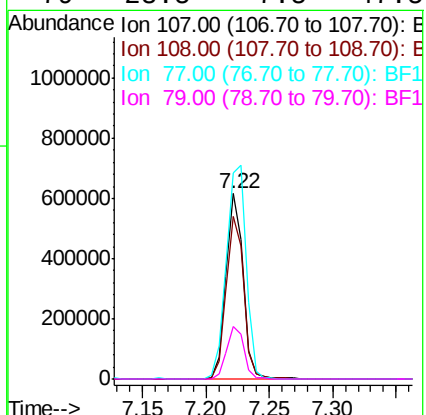
Ion Ratio Lower Upper

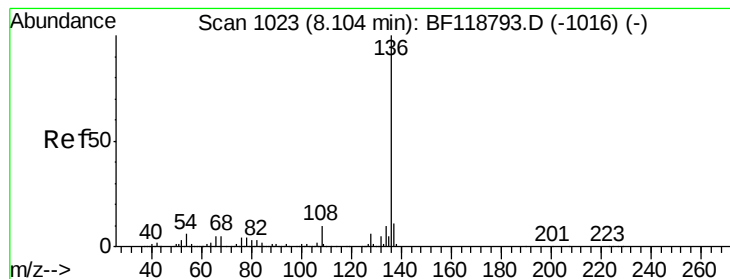
107 100

108 87.5 65.9 105.9

77 111.4 80.9 120.9

79 28.5 7.5 47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:136 Resp: 903961

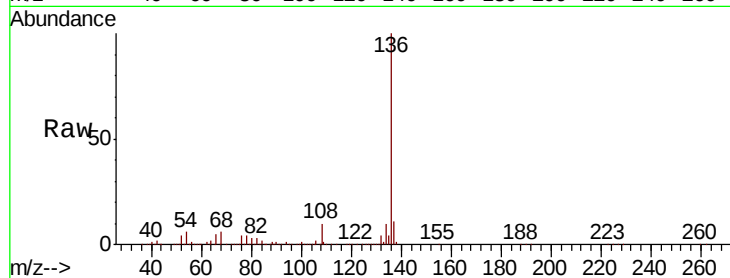
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 6.3 5.0 7.6

68 5.7 4.2 6.4

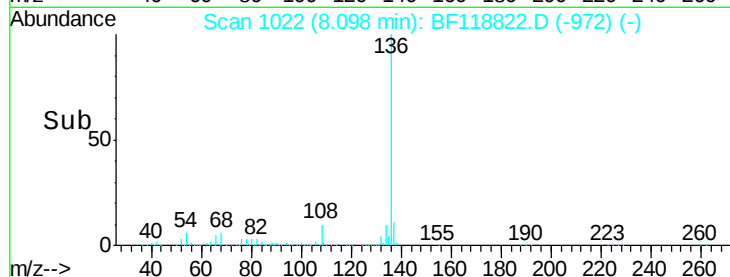


Abundance Ion 136.00 (135.70 to 136.70): E

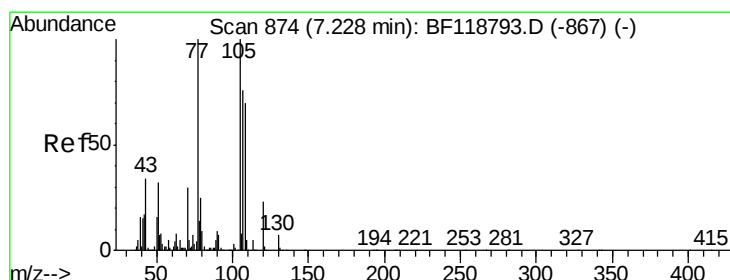
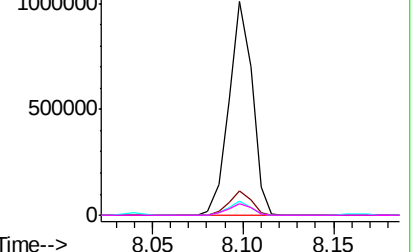
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 40.497 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Tgt Ion:105 Resp: 795349

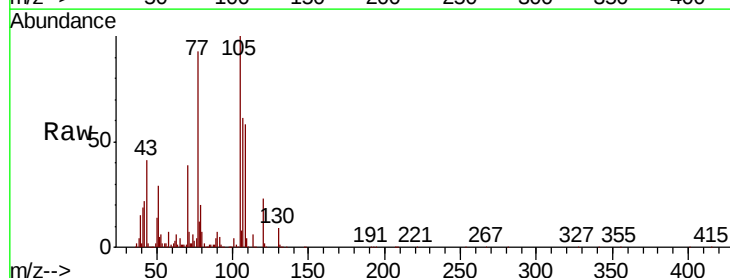
Ion Ratio Lower Upper

105 100

71 6.7 4.2 6.4#

51 28.8 25.5 38.3

120 23.3 18.6 28.0

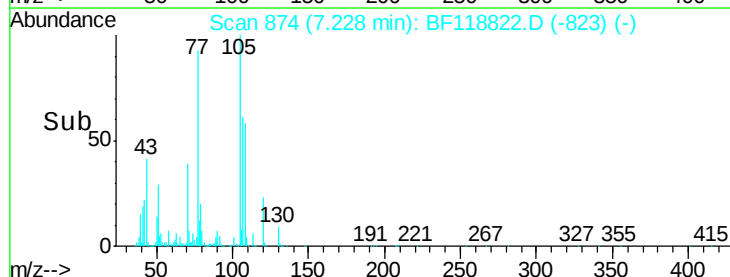


Abundance Ion 105.00 (104.70 to 105.70): E

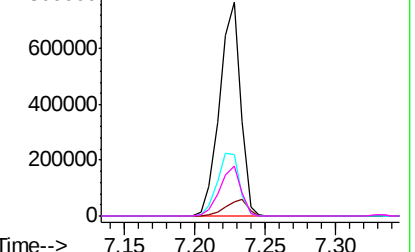
Ion 71.00 (70.70 to 71.70): BF1

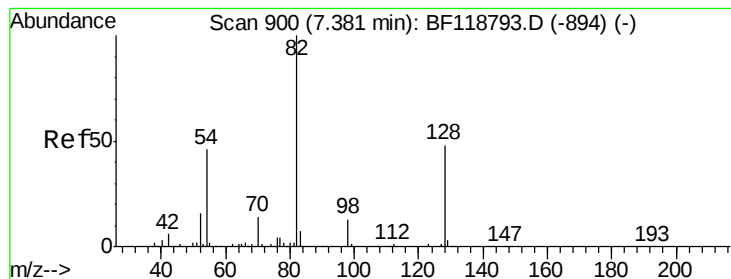
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 80.084 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

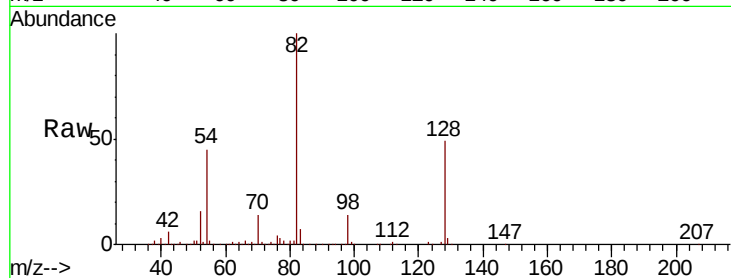
Tot Ion: 82 Resp: 1214543

Ion Ratio Lower Upper

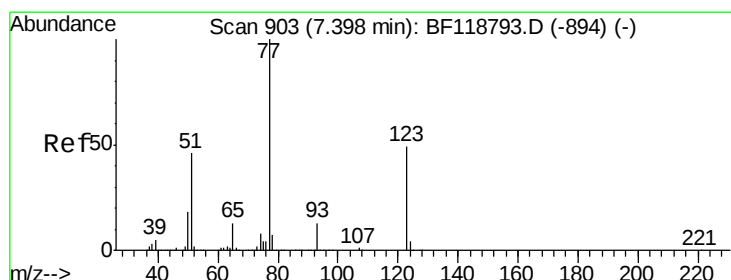
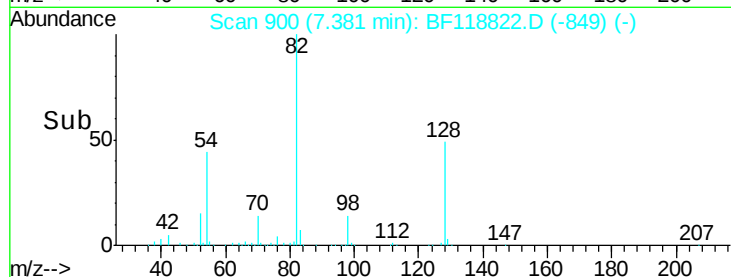
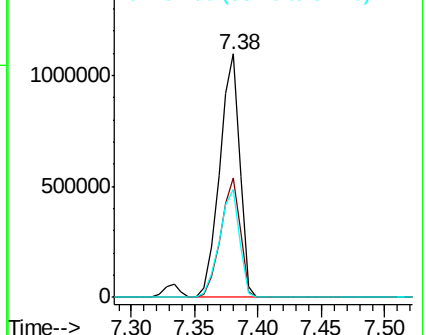
82 100

128 48.9 38.5 57.7

54 44.5 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1  
1500000  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 39.778 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

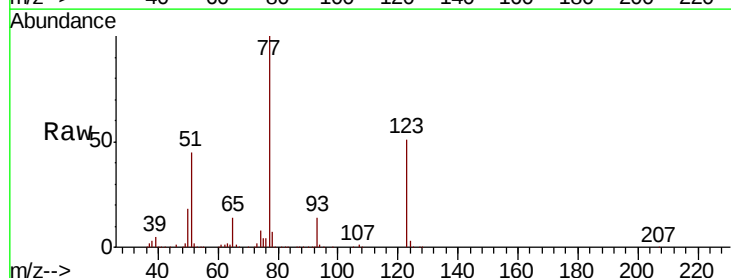
Tgt Ion: 77 Resp: 602659

Ion Ratio Lower Upper

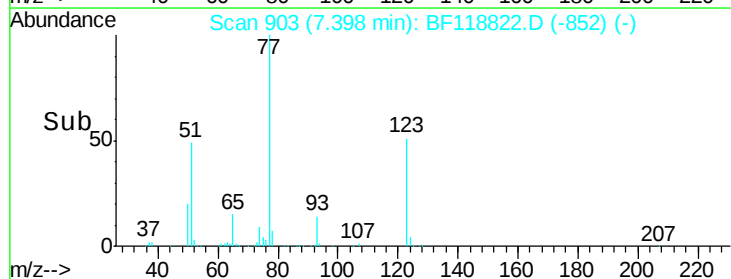
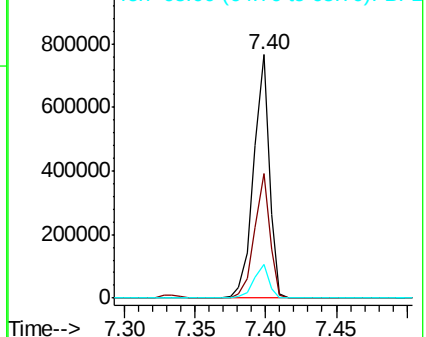
77 100

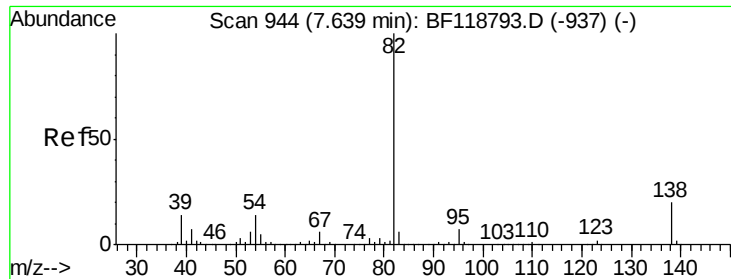
123 50.9 39.0 58.4

65 13.7 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1  
1000000  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 38.769 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

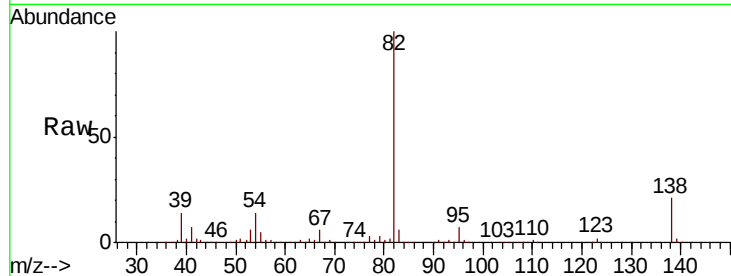
Tot Ion: 82 Resp: 1056691

Ion Ratio Lower Upper

82 100

95 7.4 6.0 9.0

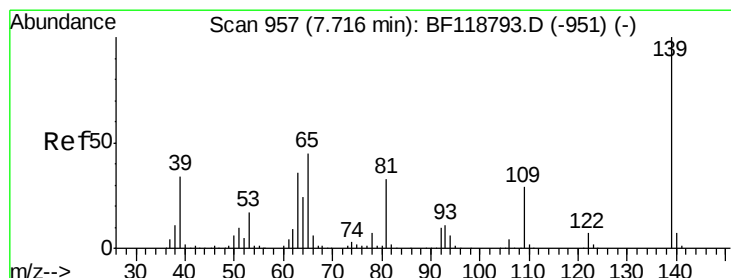
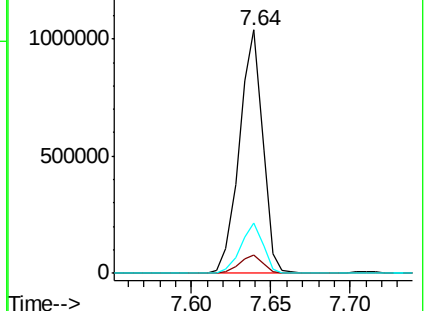
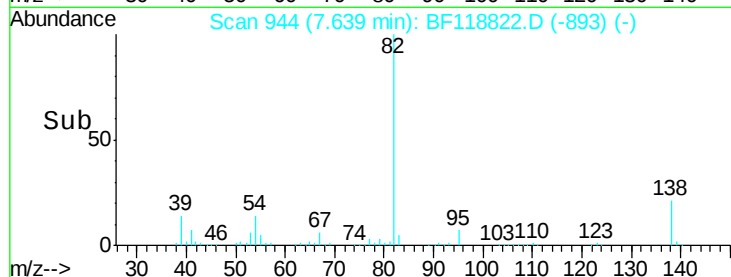
138 20.8 15.7 23.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 40.456 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

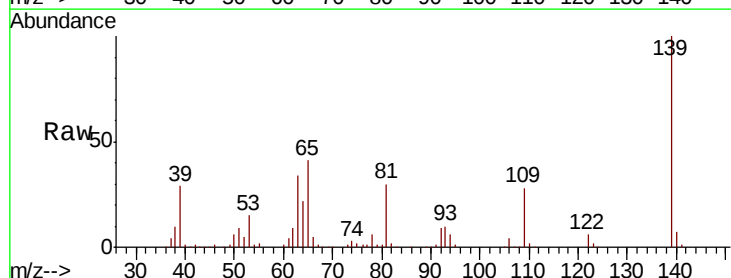
Tgt Ion: 139 Resp: 326605

Ion Ratio Lower Upper

139 100

109 27.6 23.4 35.0

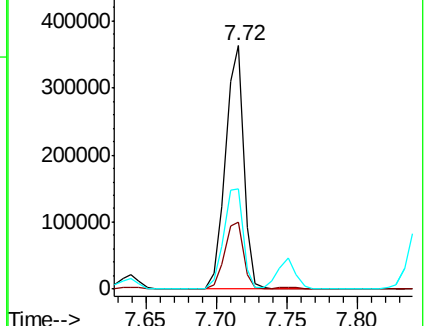
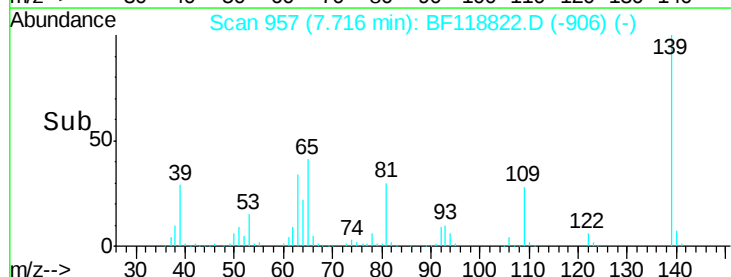
65 41.3 36.2 54.2

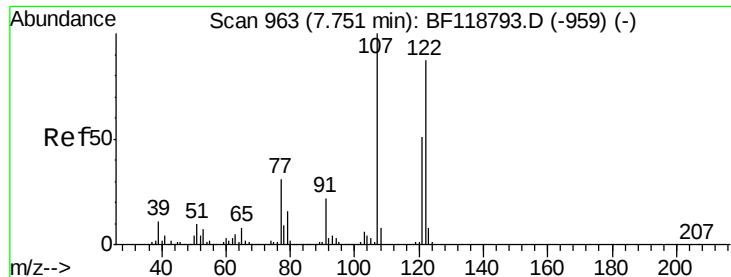


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

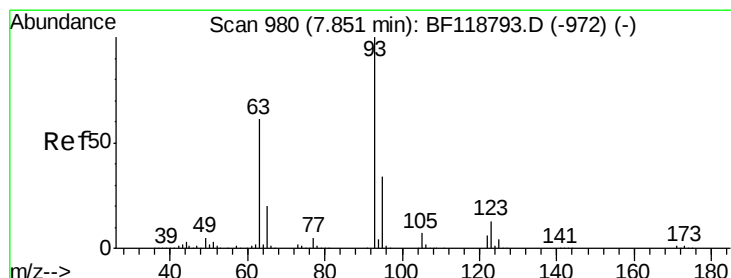
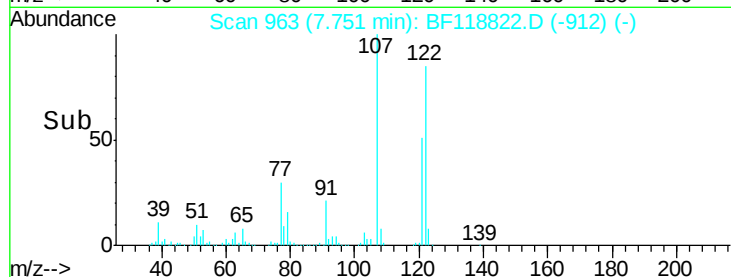
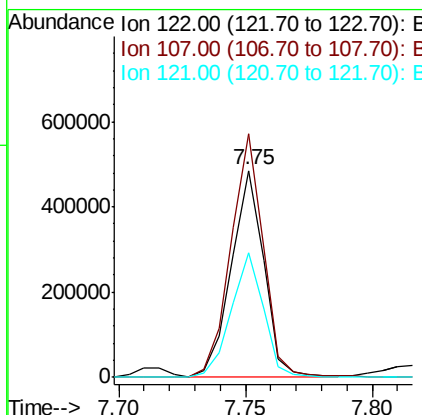
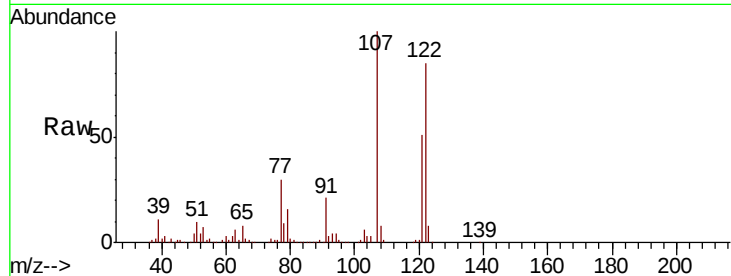




#27  
2,4-Dimethylphenol  
Concen: 39.613 ng  
RT: 7.75 min Scan# 963  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

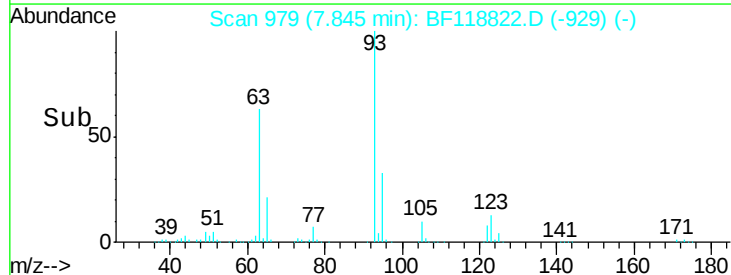
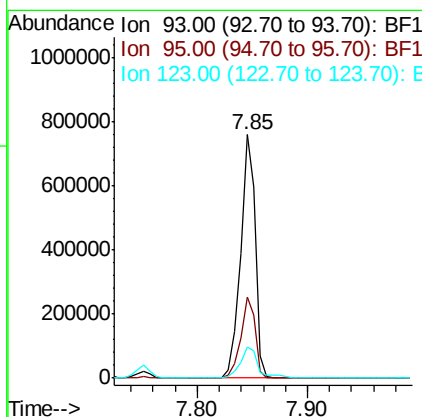
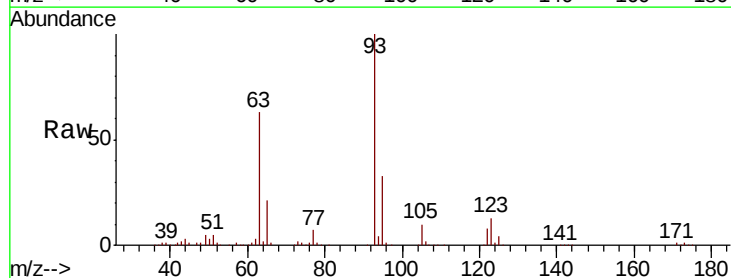
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

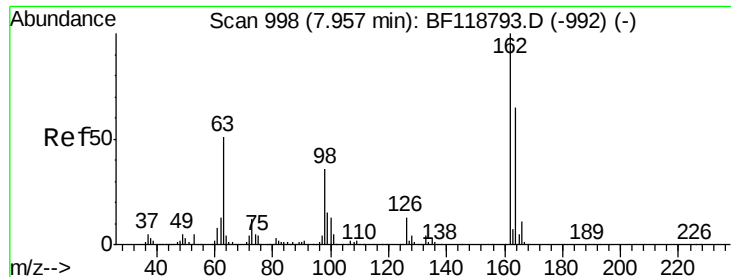
Tot Ion:122 Resp: 434420  
Ion Ratio Lower Upper  
122 100  
107 117.8 92.2 138.2  
121 60.4 46.8 70.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.932 ng  
RT: 7.85 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion: 93 Resp: 705769  
Ion Ratio Lower Upper  
93 100  
95 33.2 27.0 40.4  
123 12.8 10.6 15.8

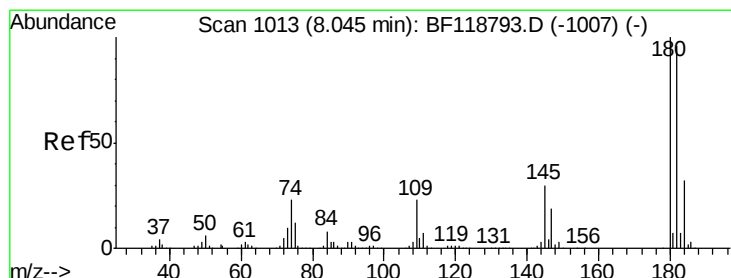
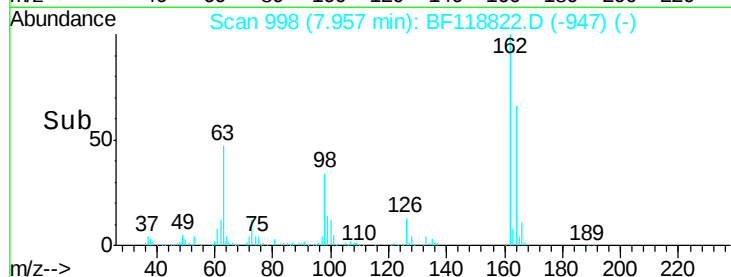
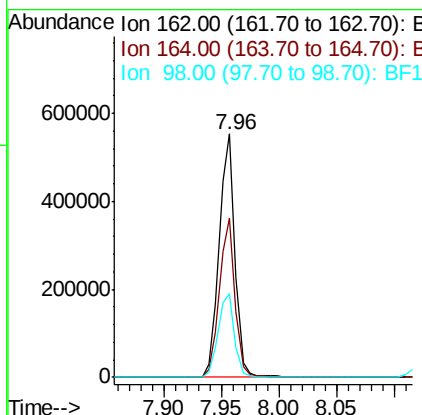
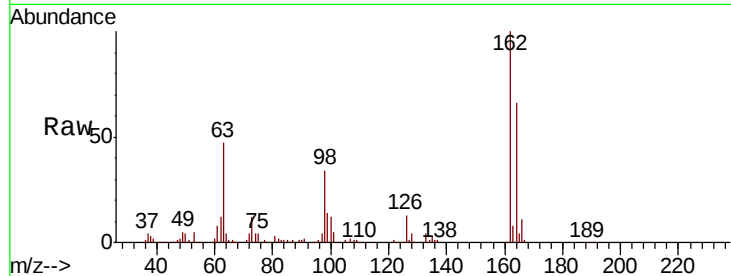




#29  
 2,4-Dichlorophenol  
 Concen: 40.179 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. -0.00 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

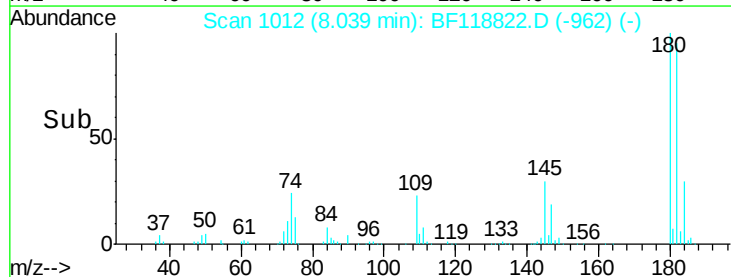
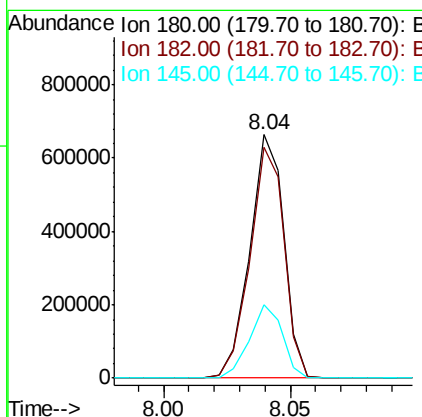
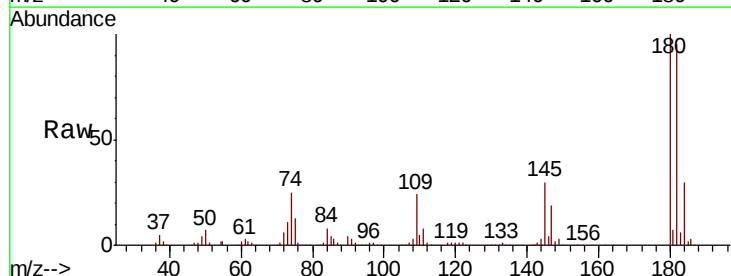
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

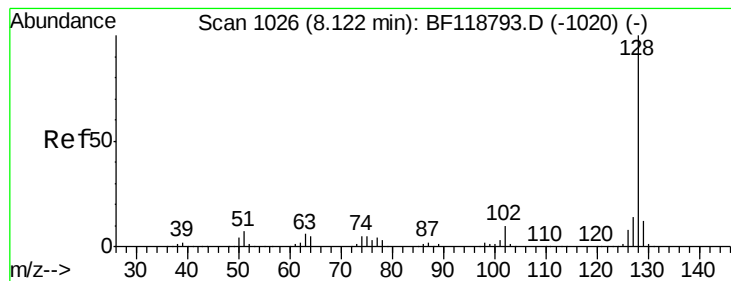
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.6  | 44.8  | 84.8  |
| 98      | 34.1  | 16.4  | 56.4  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.490 ng  
 RT: 8.04 min Scan# 1012  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 76.6  | 115.0 |
| 145     | 30.2  | 24.0  | 36.0  |





#31

Naphthalene

Concen: 40.886 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

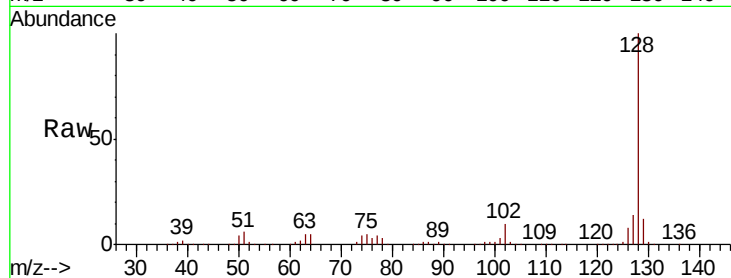
Tot Ion:128 Resp: 1690354

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

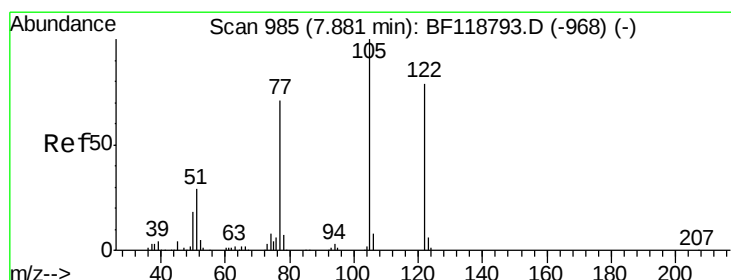
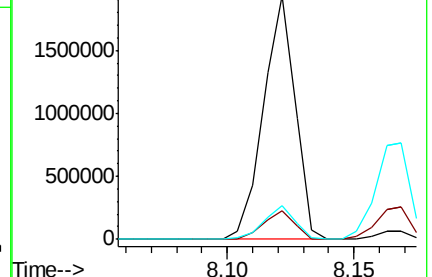
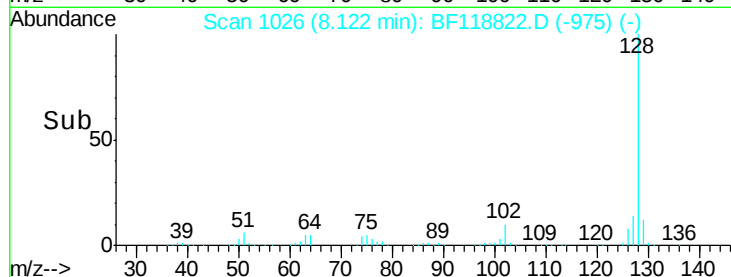
127 13.9 11.3 16.9



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: 37.265 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

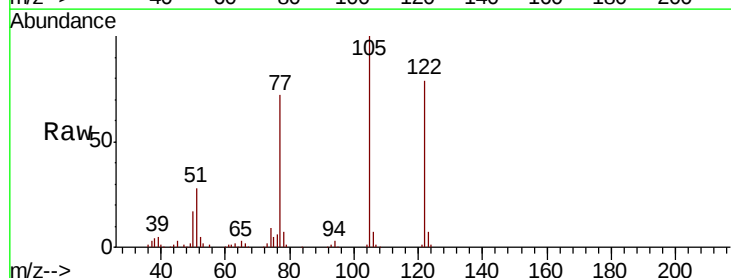
Tgt Ion:122 Resp: 338355

Ion Ratio Lower Upper

122 100

105 127.0 104.4 144.4

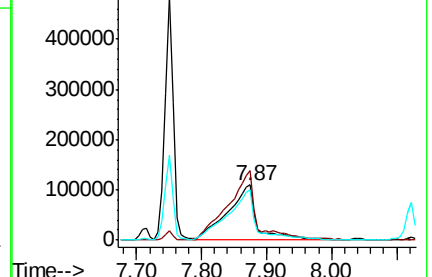
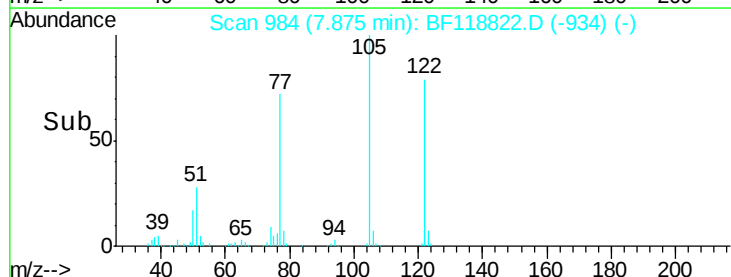
77 91.2 69.3 109.3

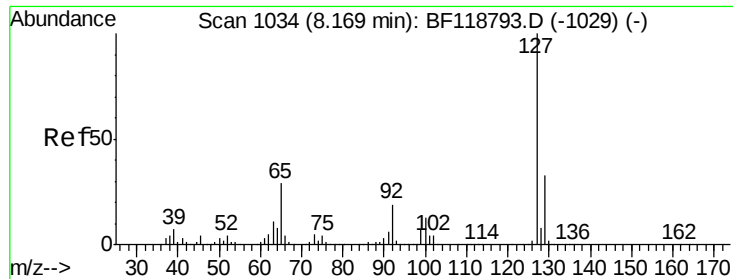


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

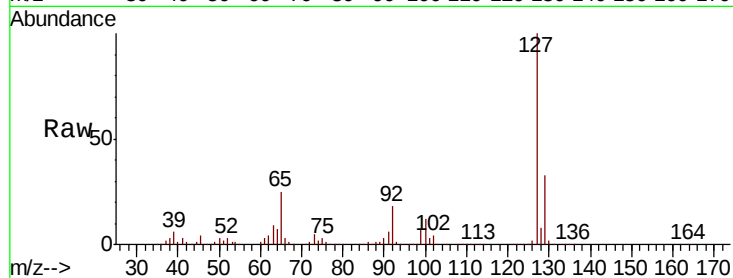




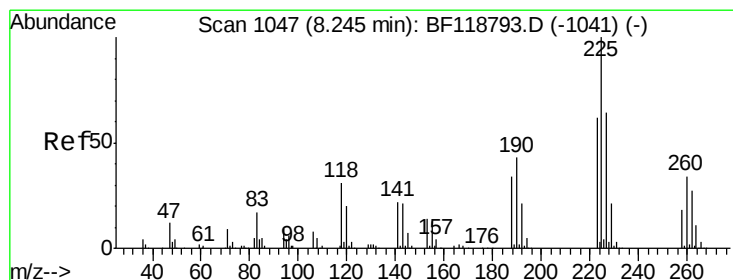
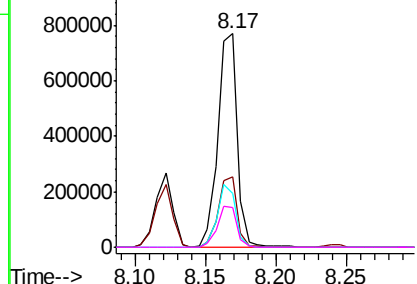
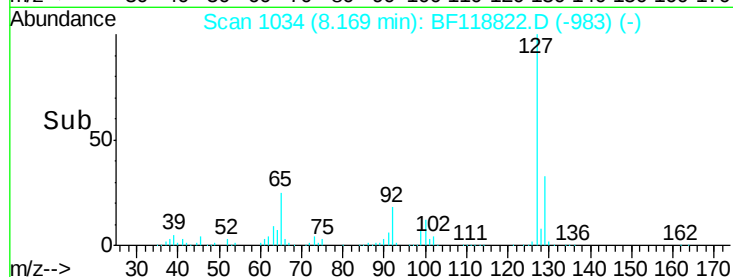
#33  
4-Chloroaniline  
Concen: 39.763 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 735487 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.9  | 26.7  | 40.1   |
| 65       | 25.4  | 22.9  | 34.3   |
| 92       | 18.4  | 15.4  | 23.0   |

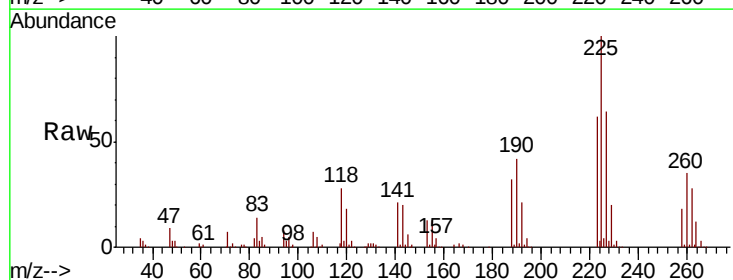


Abundance Ion 127.00 (126.70 to 127.70): E  
1200000  
Ion 129.00 (128.70 to 129.70): E  
1000000  
Ion 65.00 (64.70 to 65.70): BF1  
800000  
Ion 92.00 (91.70 to 92.70): BF1  
600000  
400000  
200000  
0

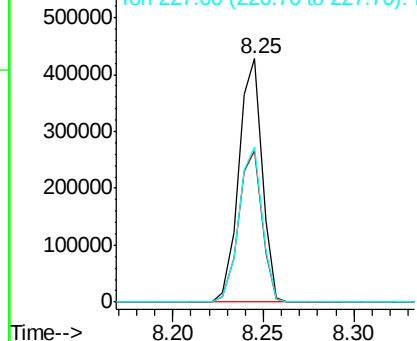
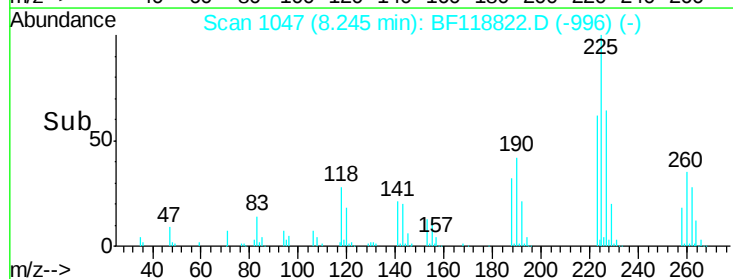


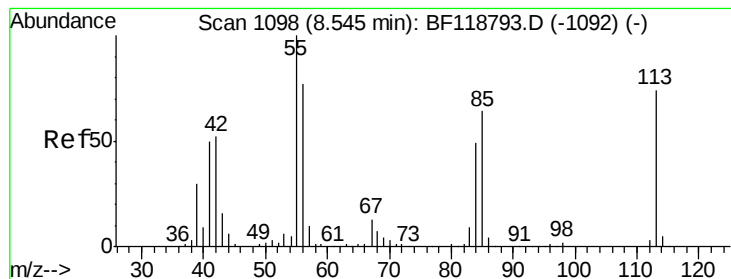
#34  
Hexachlorobutadiene  
Concen: 40.707 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 382846 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.1  | 49.8  | 74.8   |
| 227      | 63.9  | 51.0  | 76.4   |



Abundance Ion 225.00 (224.70 to 225.70): E  
500000  
Ion 223.00 (222.70 to 223.70): E  
400000  
Ion 227.00 (226.70 to 227.70): E  
300000  
200000  
100000  
0





#35

Caprolactam

Concen: 38.526 ng

RT: 8.54 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

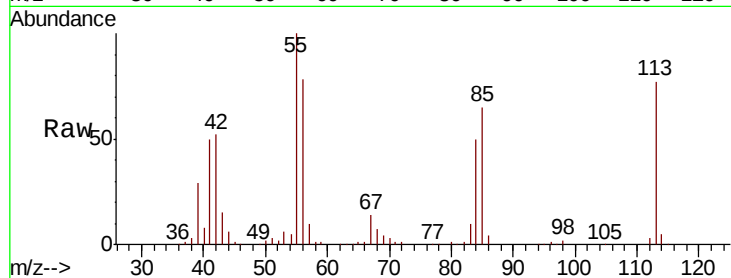
Tot Ion:113 Resp: 164025

Ion Ratio Lower Upper

113 100

55 130.0 115.5 155.5

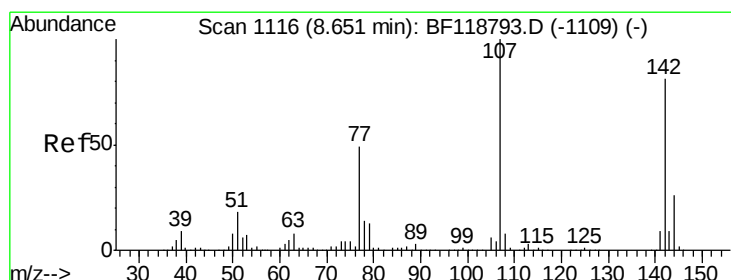
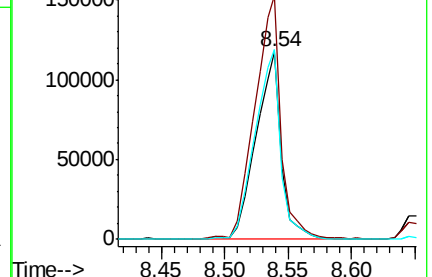
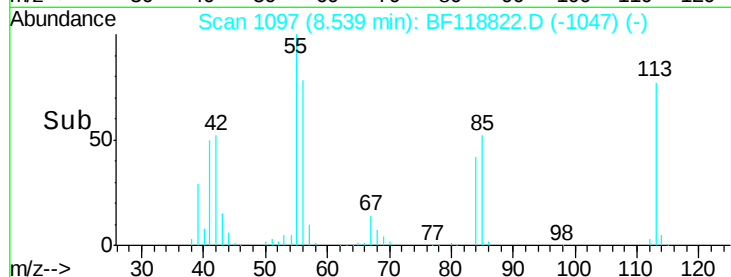
56 101.5 83.7 123.7



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: 40.037 ng

RT: 8.65 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

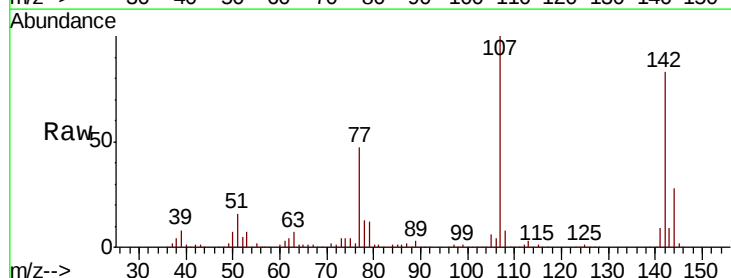
Tgt Ion:107 Resp: 529174

Ion Ratio Lower Upper

107 100

144 27.5 21.0 31.6

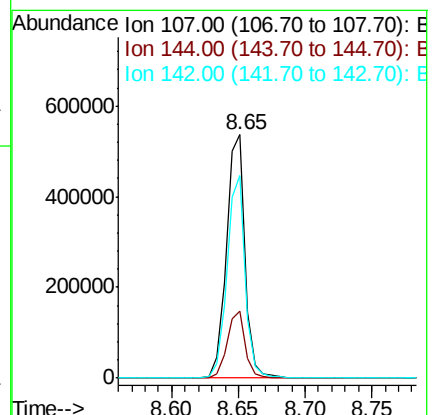
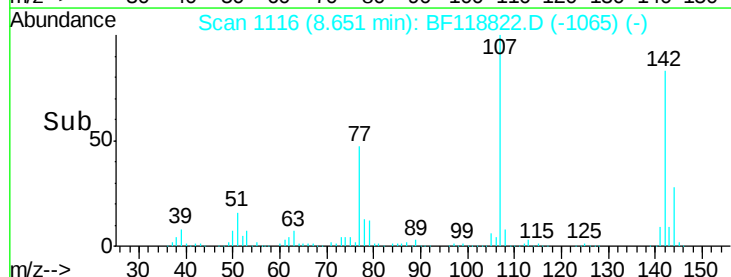
142 83.2 64.8 97.2

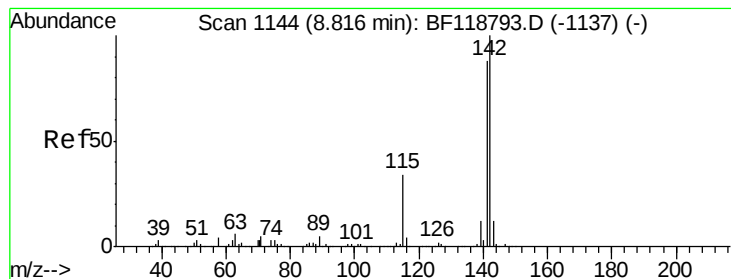


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

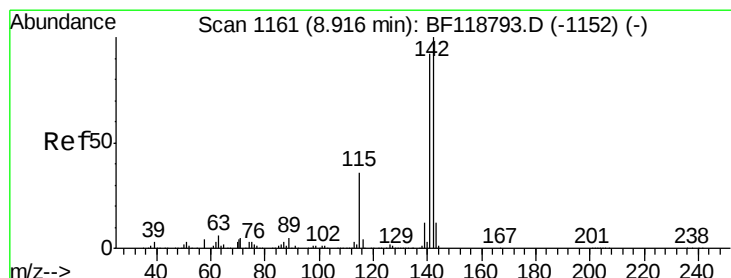
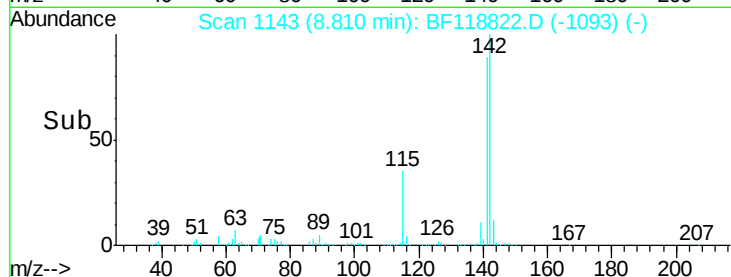
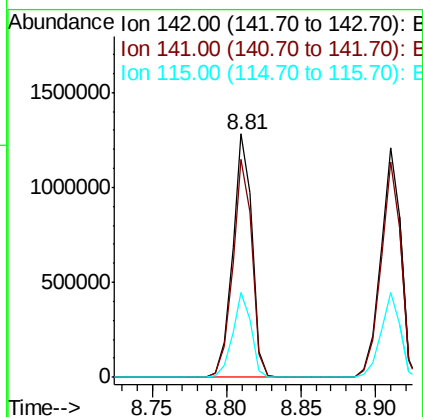
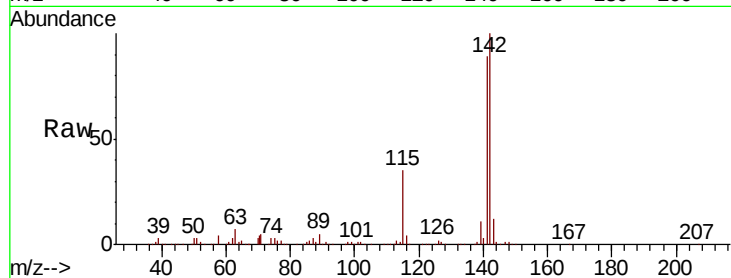




#37  
2-Methylnaphthalene  
Concen: 40.575 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

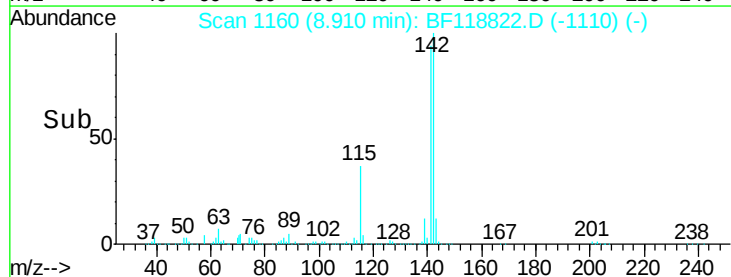
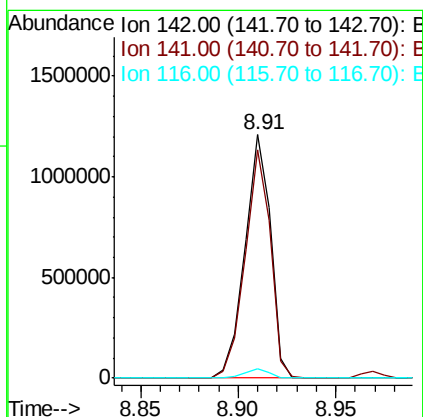
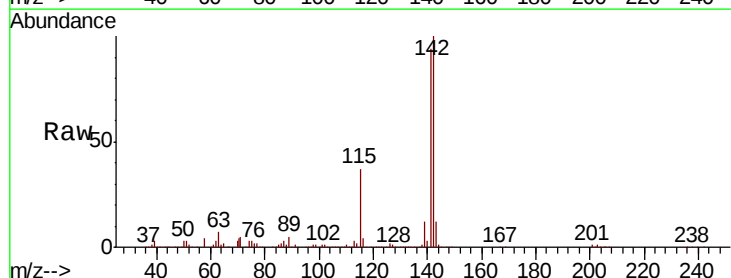
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

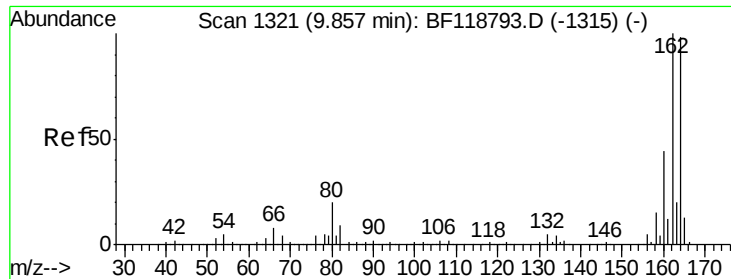
Tot Ion:142 Resp: 1163421  
Ion Ratio Lower Upper  
142 100  
141 89.5 70.1 105.1  
115 34.9 27.3 40.9



#38  
1-Methylnaphthalene  
Concen: 40.633 ng  
RT: 8.91 min Scan# 1160  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion:142 Resp: 1096019  
Ion Ratio Lower Upper  
142 100  
141 93.6 73.8 110.6  
116 3.9 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

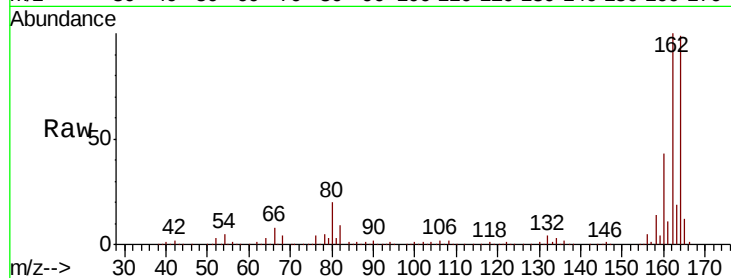
Tot Ion:164 Resp: 529750

Ion Ratio Lower Upper

164 100

162 101.2 81.4 122.2

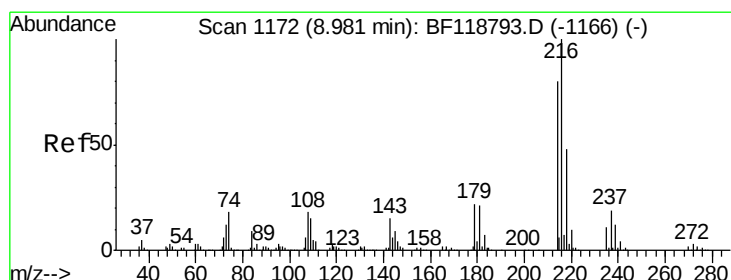
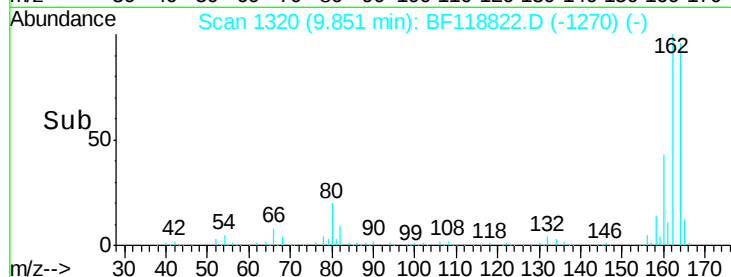
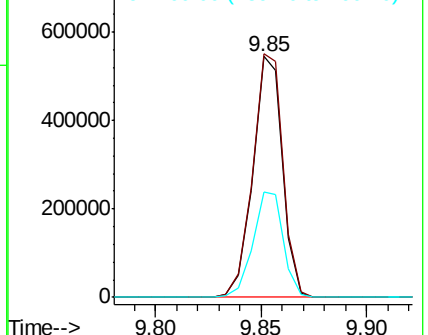
160 43.6 35.6 53.4



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: 39.372 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Tgt Ion:216 Resp: 629485

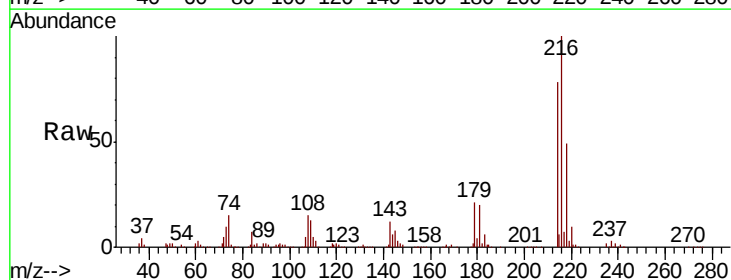
Ion Ratio Lower Upper

216 100

214 78.5 63.0 94.4

179 21.3 17.0 25.6

108 16.6 13.5 20.3

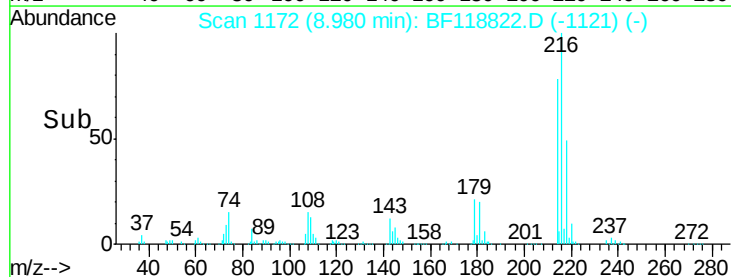
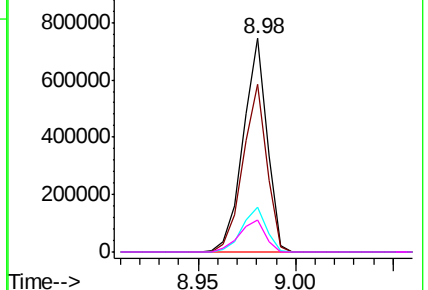


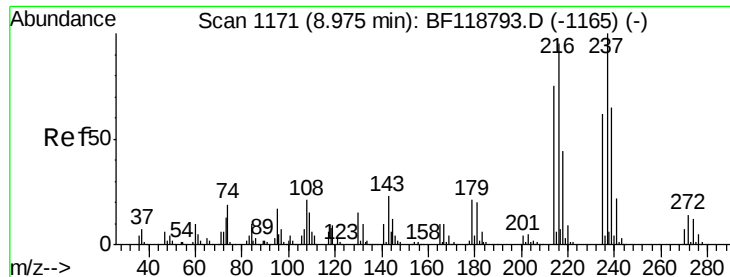
Abundance Ion 216.00 (215.70 to 216.70): E

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: 35.846 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

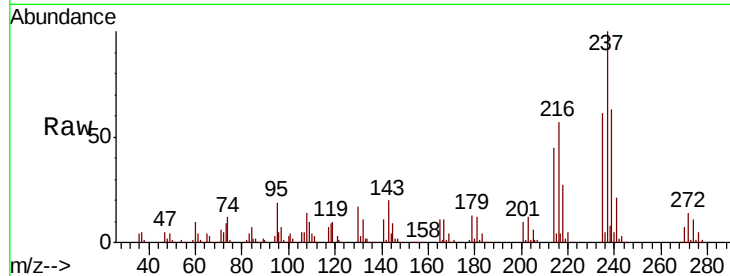
Tot Ion:237 Resp: 224725

Ion Ratio Lower Upper

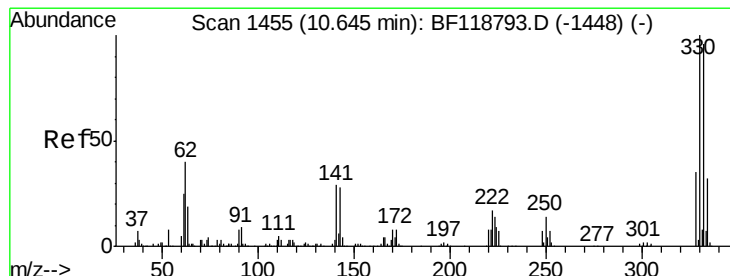
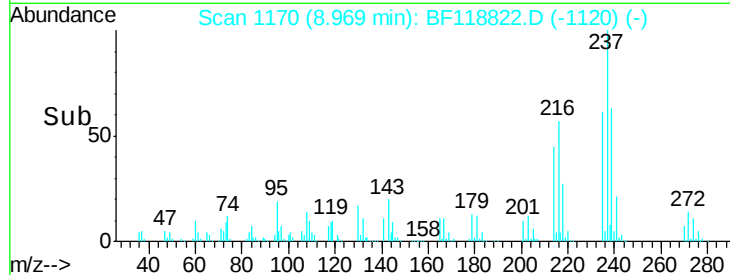
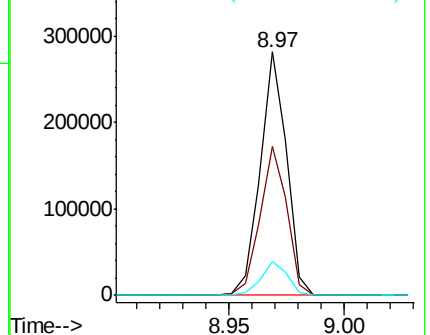
237 100

235 61.1 42.1 82.1

272 13.8 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: 79.921 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

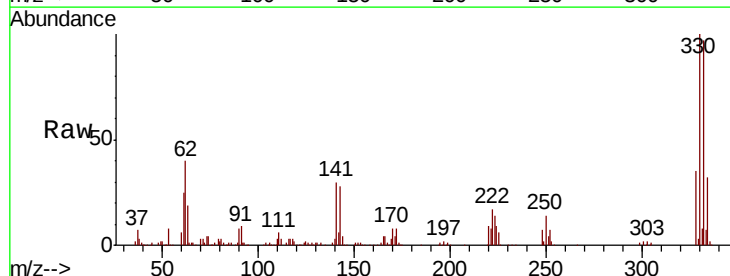
Tgt Ion:330 Resp: 506590

Ion Ratio Lower Upper

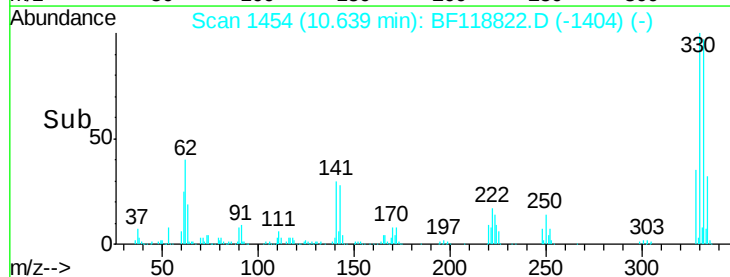
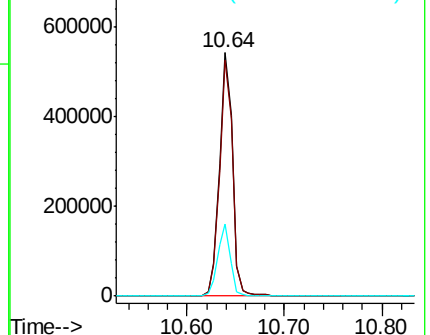
330 100

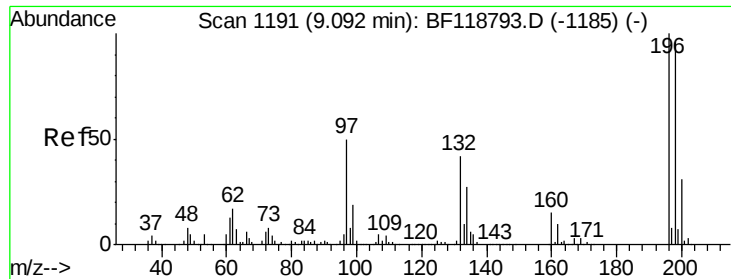
332 96.7 77.3 115.9

141 28.3 22.4 33.6



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

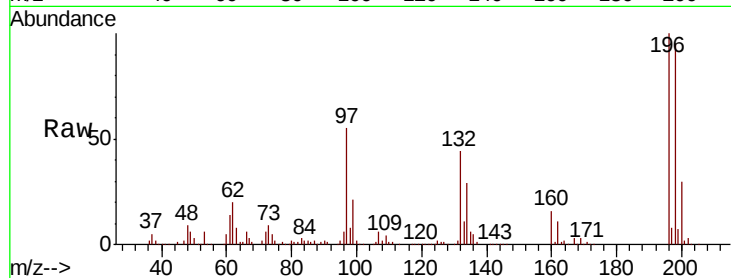




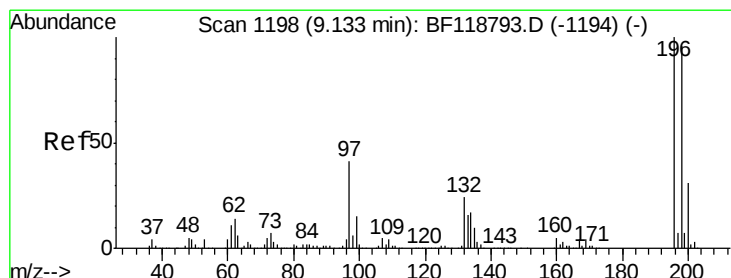
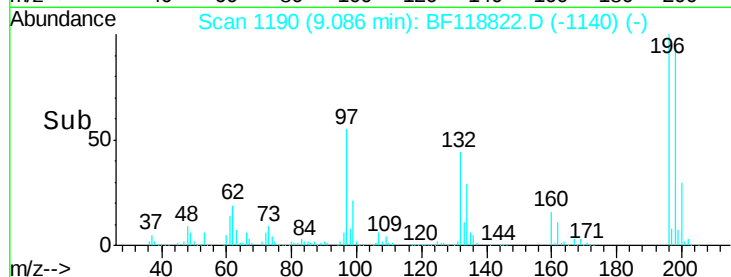
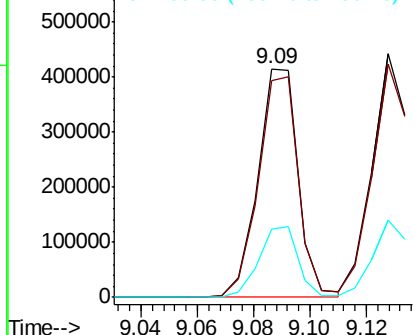
#43  
 2,4,6-Trichlorophenol  
 Concen: 38.416 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tot Ion   | 196   | Resp  | 410725 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.9  | 76.7  | 115.1  |
| 200       | 30.0  | 24.9  | 37.3   |



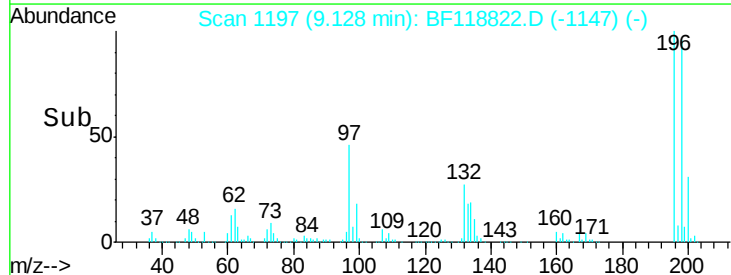
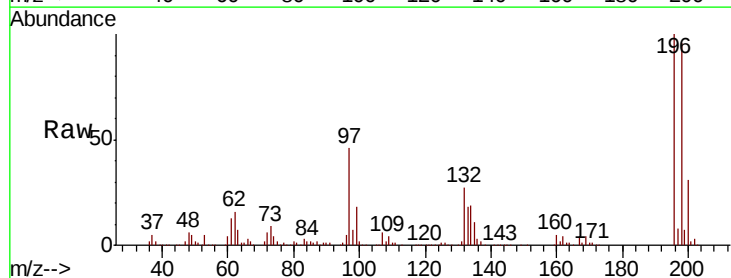
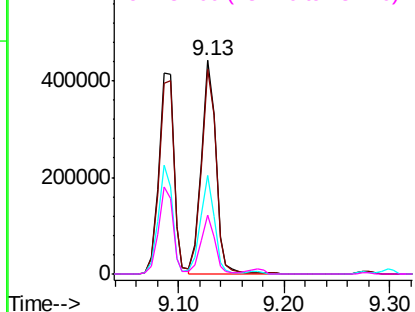
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

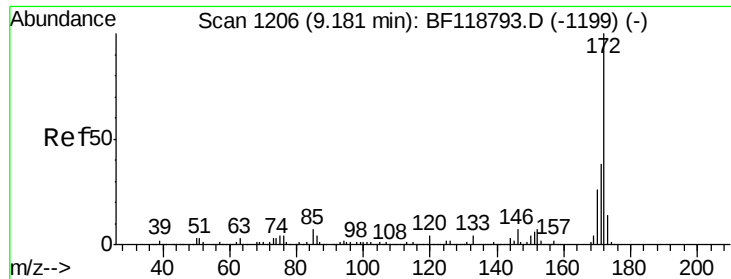


#44  
 2,4,5-Trichlorophenol  
 Concen: 38.357 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

| Tgt Ion   | 196   | Resp  | 419026 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.9  | 77.0  | 115.4  |
| 97        | 46.3  | 32.9  | 49.3   |
| 132       | 27.4  | 19.9  | 29.9   |

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

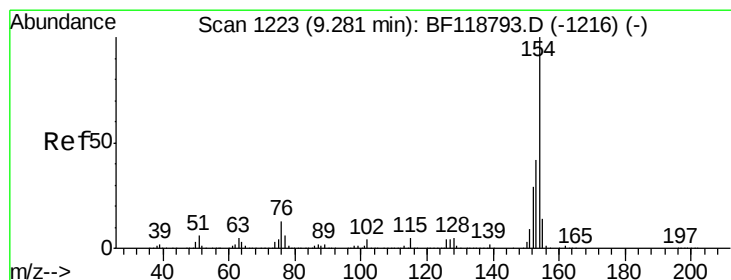
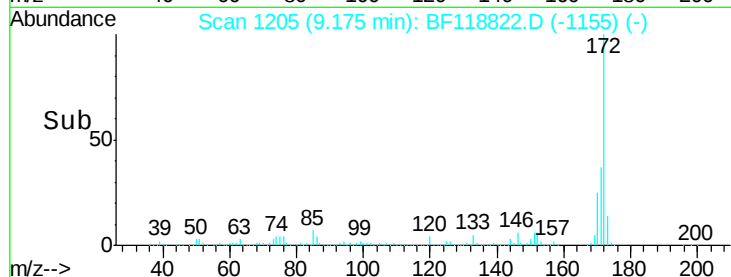
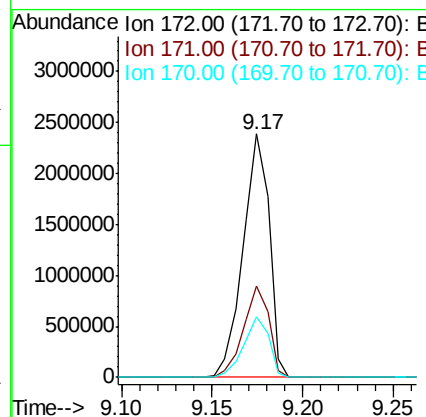
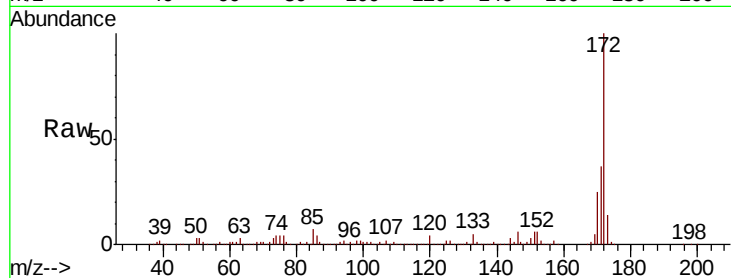




#45  
2-Fluorobiphenyl  
Concen: 80.637 ng  
RT: 9.17 min Scan# 1205  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

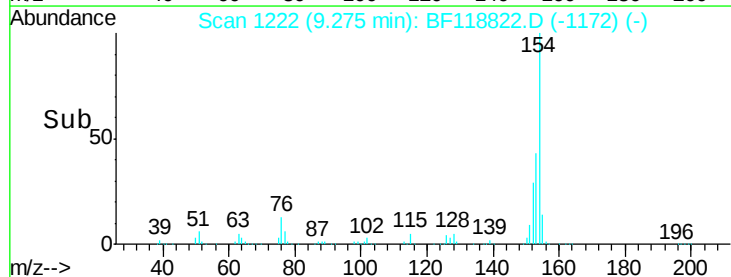
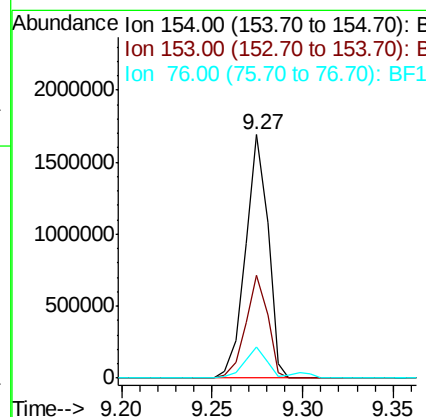
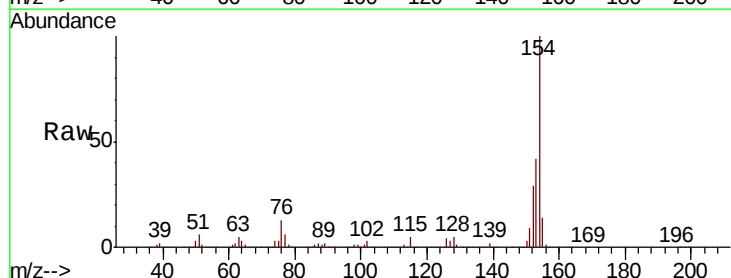
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

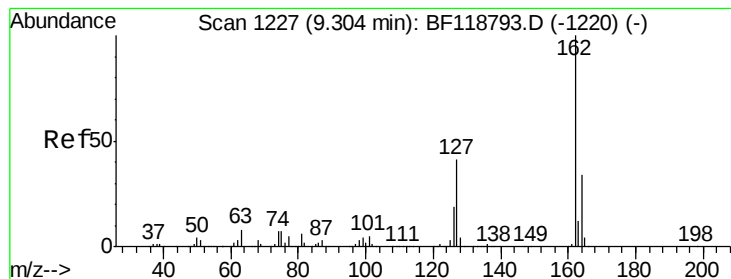
Tot Ion:172 Resp: 2389533  
Ion Ratio Lower Upper  
172 100  
171 37.5 30.8 46.2  
170 24.8 20.5 30.7



#46  
1,1'-Biphenyl  
Concen: 39.769 ng  
RT: 9.27 min Scan# 1222  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion:154 Resp: 1457337  
Ion Ratio Lower Upper  
154 100  
153 42.4 22.4 62.4  
76 12.8 0.0 32.7





#47

2-Chloronaphthalene

Concen: 39.677 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

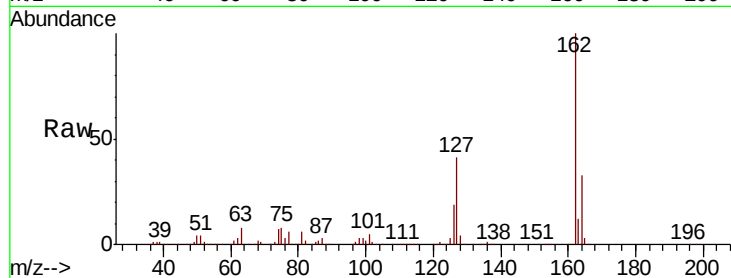
Tot Ion:162 Resp: 1208727

Ion Ratio Lower Upper

162 100

127 40.7 33.3 49.9

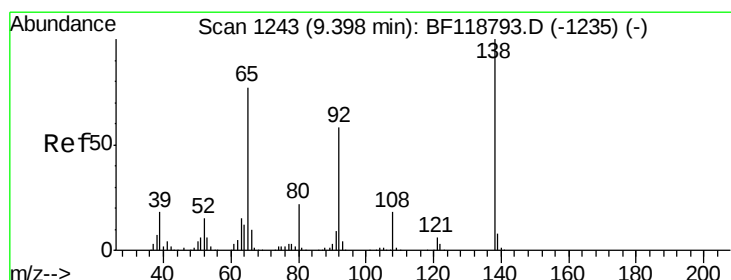
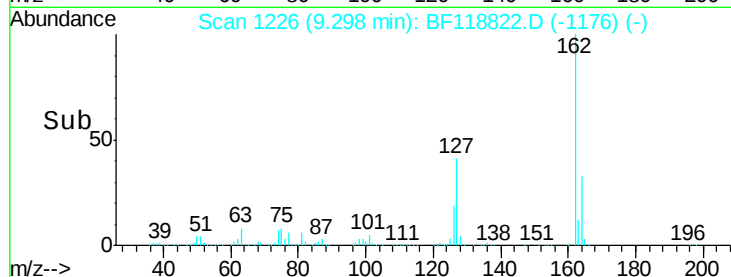
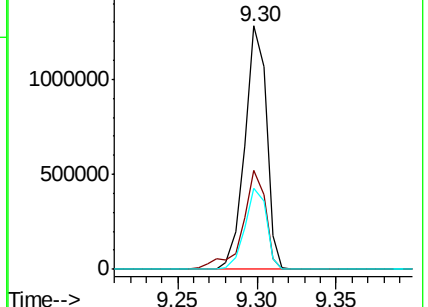
164 33.4 27.1 40.7



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: 37.985 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

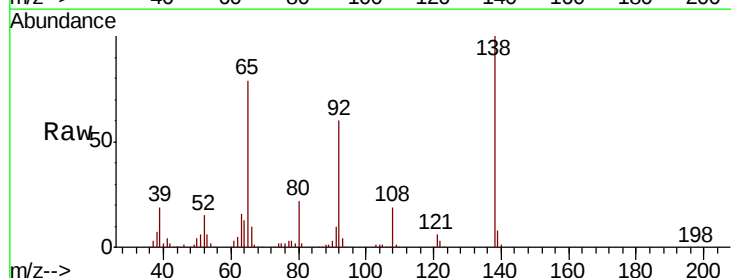
Tgt Ion: 65 Resp: 333756

Ion Ratio Lower Upper

65 100

92 75.4 60.6 91.0

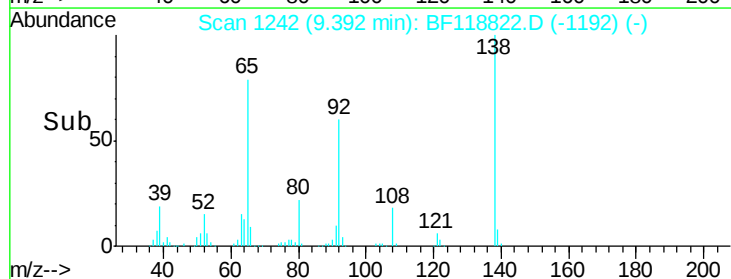
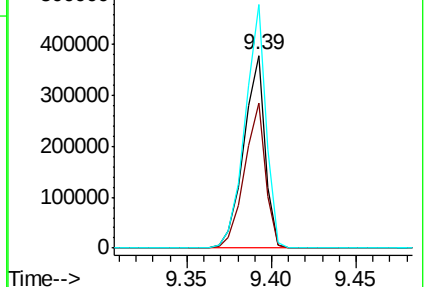
138 126.4 104.6 156.8

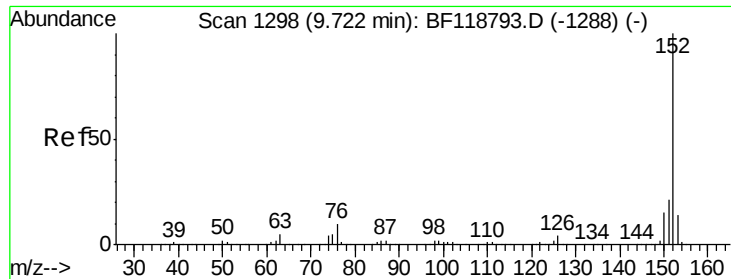


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.034 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

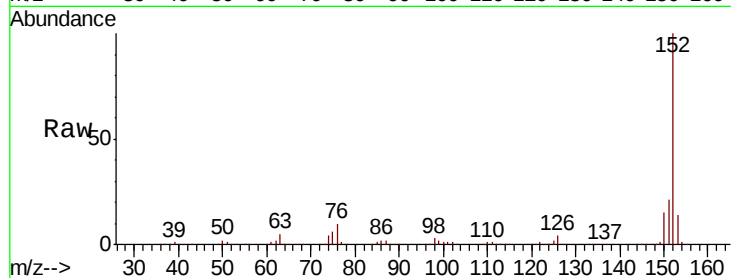
Tot Ion:152 Resp: 1804927

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

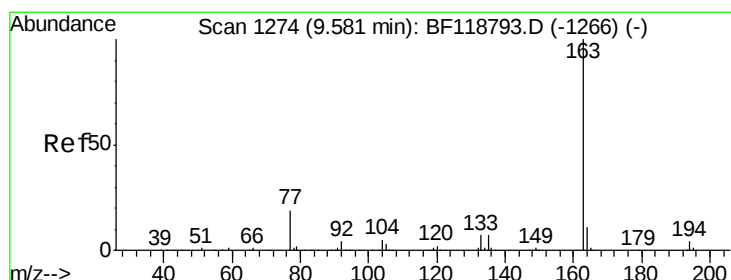
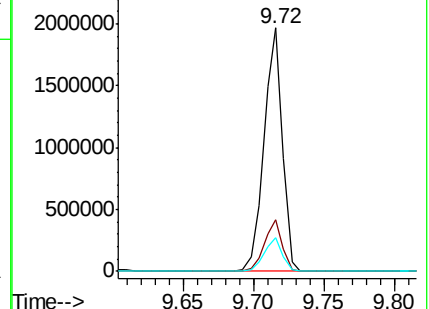
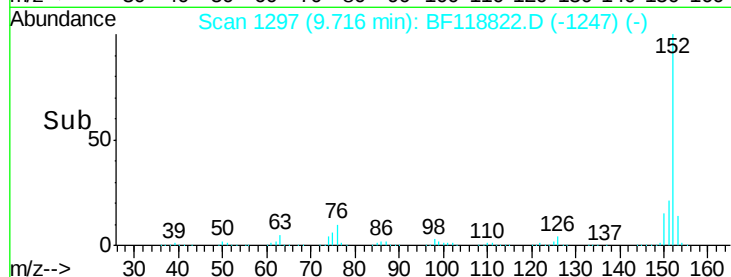
153 13.9 11.0 16.4



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: 40.145 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

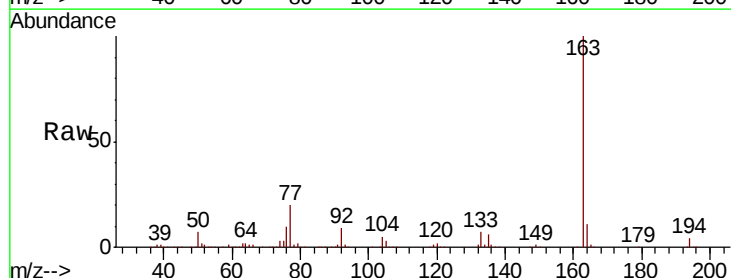
Tgt Ion:163 Resp: 1448068

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

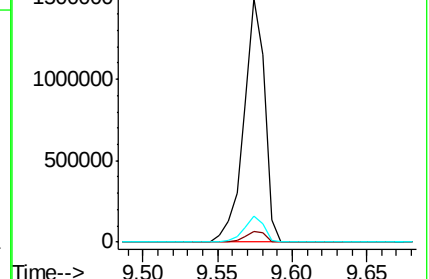
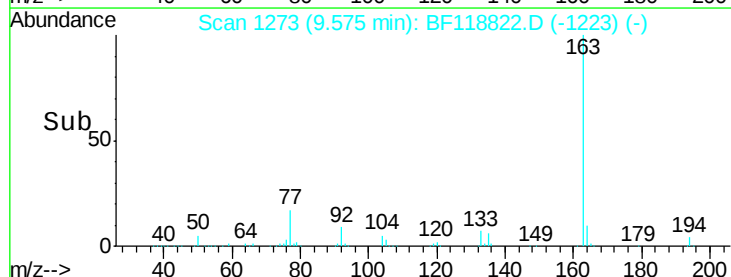
164 10.7 8.7 13.1

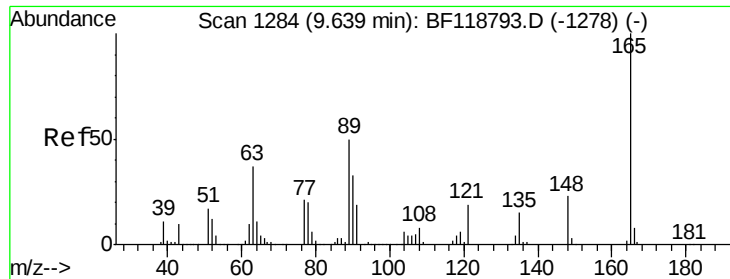


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

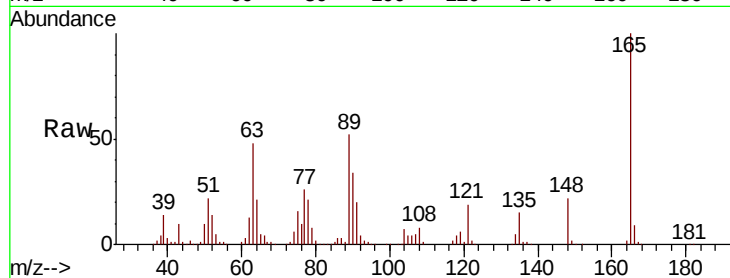




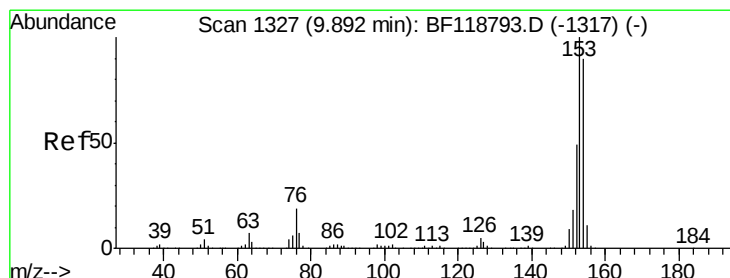
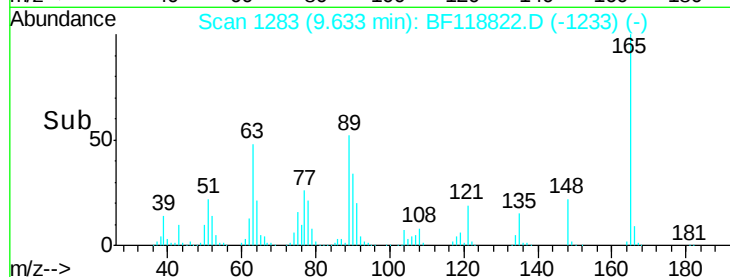
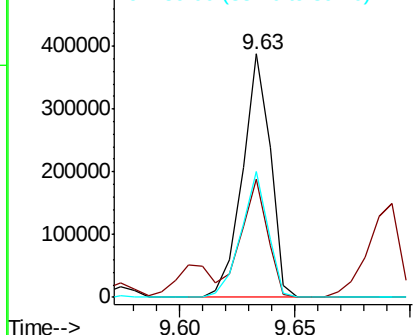
#51  
 2,6-Dinitrotoluene  
 Concen: 39.697 ng  
 RT: 9.63 min Scan# 1283  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:165 Resp: 327634  
 Ion Ratio Lower Upper  
 165 100  
 63 48.5 37.4 56.0  
 89 51.9 39.7 59.5

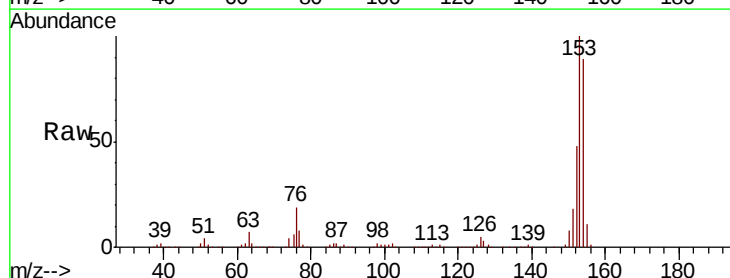


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

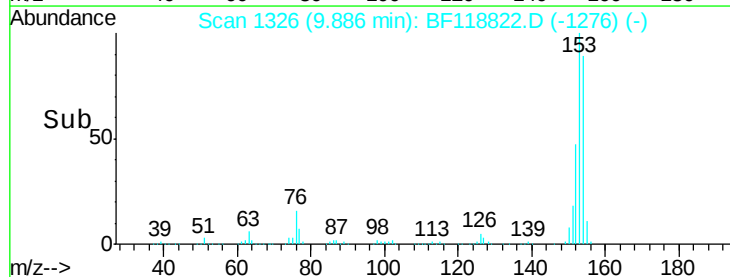
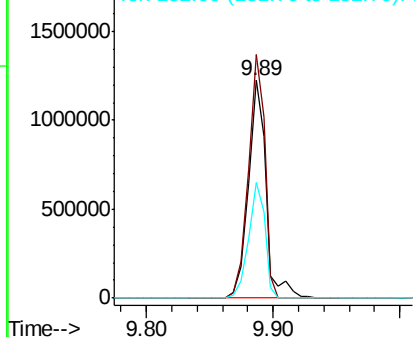


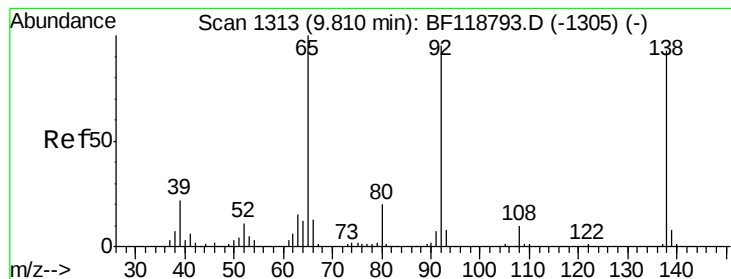
#52  
 Acenaphthene  
 Concen: 40.746 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

Tgt Ion:154 Resp: 1181041  
 Ion Ratio Lower Upper  
 154 100  
 153 111.8 89.4 134.0  
 152 53.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 39.905 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

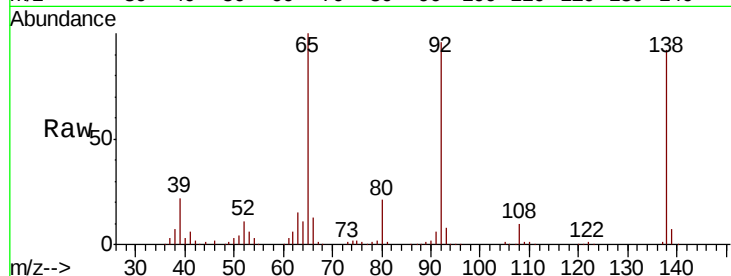
Tot Ion:138 Resp: 365266

Ion Ratio Lower Upper

138 100

108 10.7 8.5 12.7

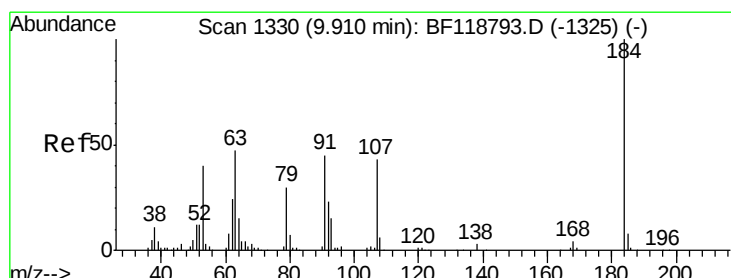
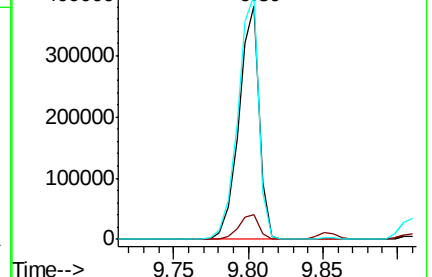
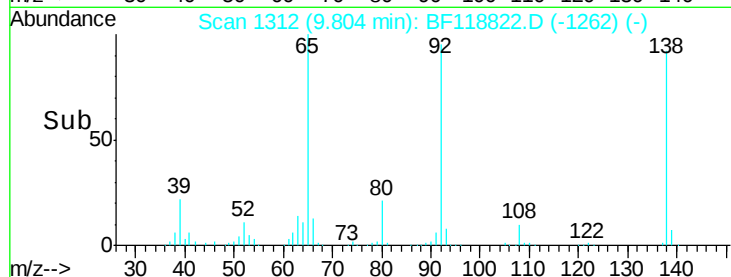
92 104.4 82.2 123.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 37.123 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

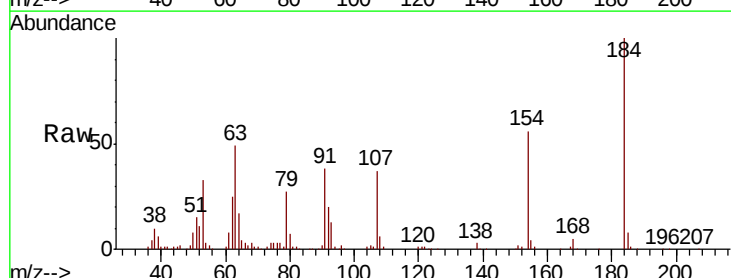
Tgt Ion:184 Resp: 147294

Ion Ratio Lower Upper

184 100

63 49.4 47.5 71.3

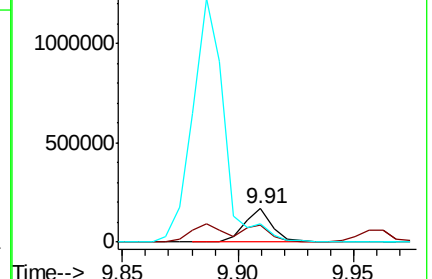
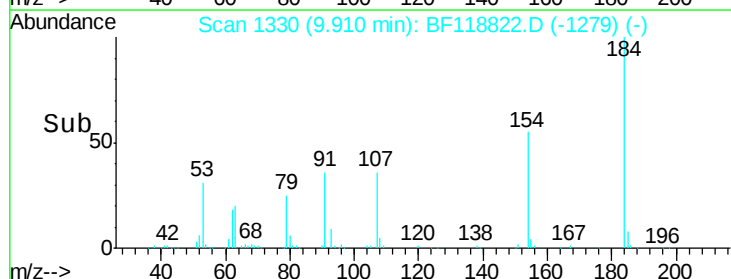
154 55.6 48.6 72.8

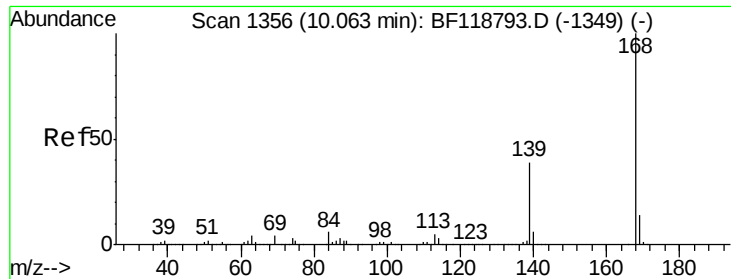


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

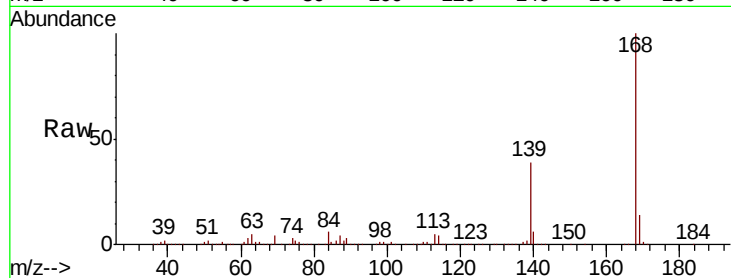




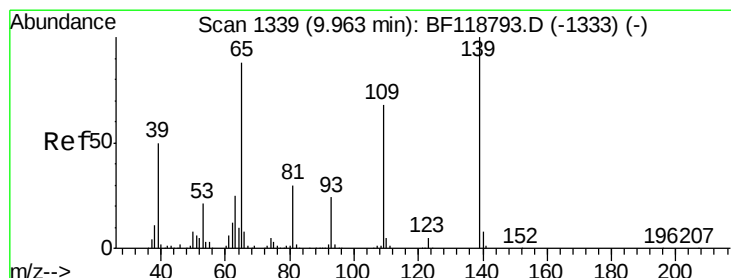
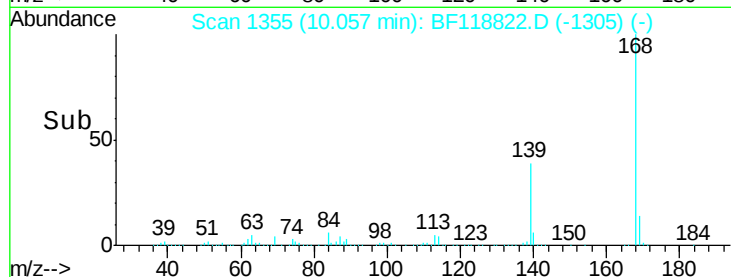
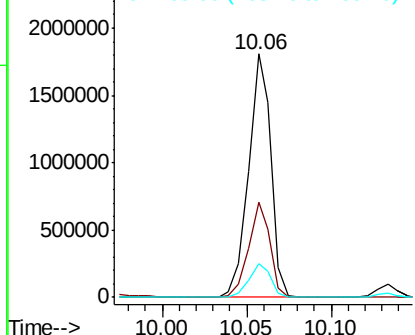
#55  
Dibenzofuran  
Concen: 39.749 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:168 Resp: 1665024  
Ion Ratio Lower Upper  
168 100  
139 39.0 31.6 47.4  
169 14.0 11.4 17.2

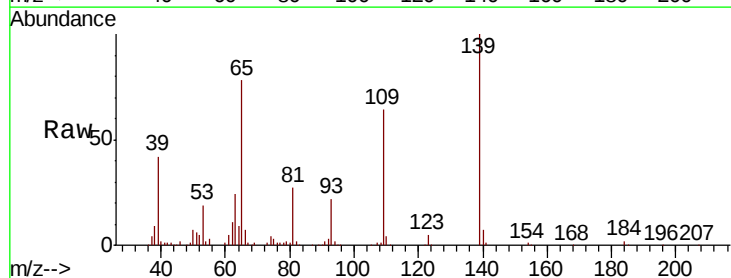


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

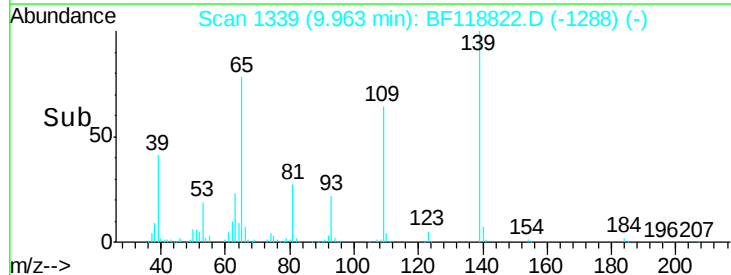
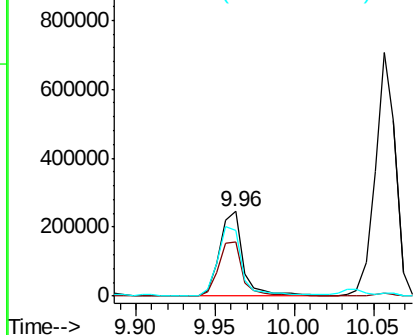


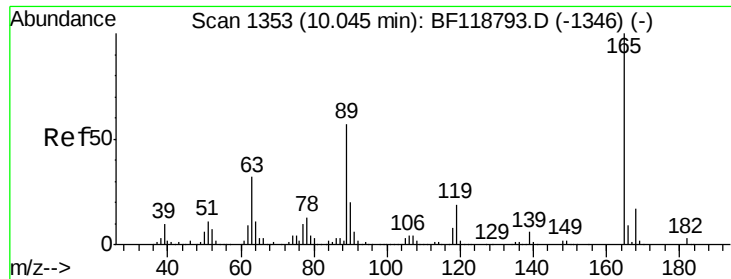
#56  
4-Nitrophenol  
Concen: 38.358 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion:139 Resp: 254107  
Ion Ratio Lower Upper  
139 100  
109 63.8 48.0 88.0  
65 78.1 68.3 108.3



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

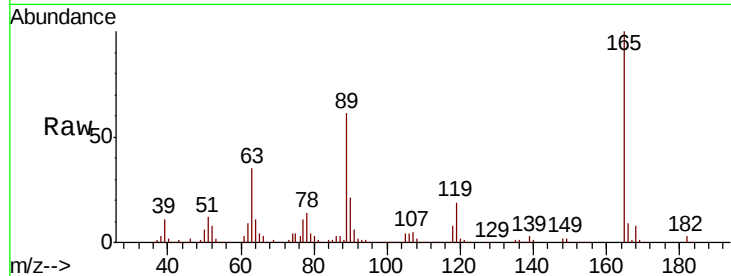




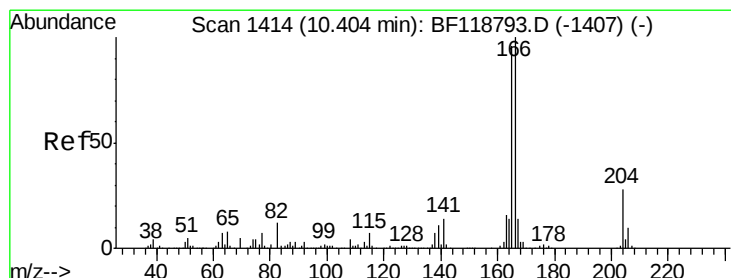
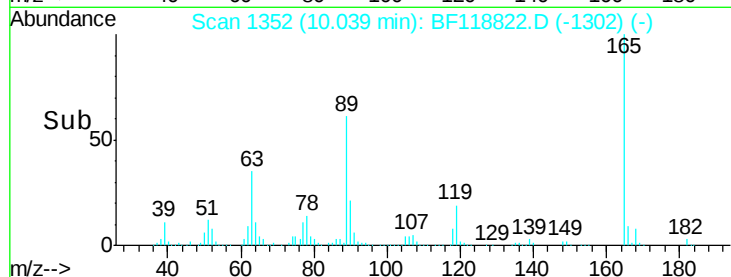
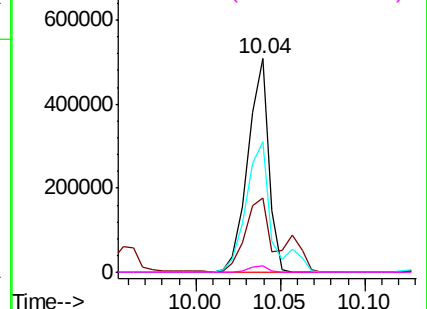
#57  
2,4-Dinitrotoluene  
Concen: 40.251 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 34.8  | 25.5  | 38.3  |
| 89      | 61.0  | 45.4  | 68.0  |
| 182     | 3.1   | 2.4   | 3.6   |

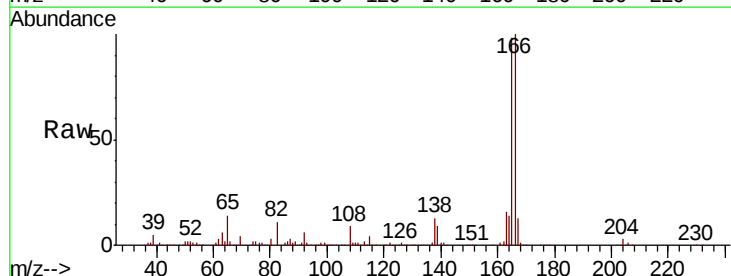


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

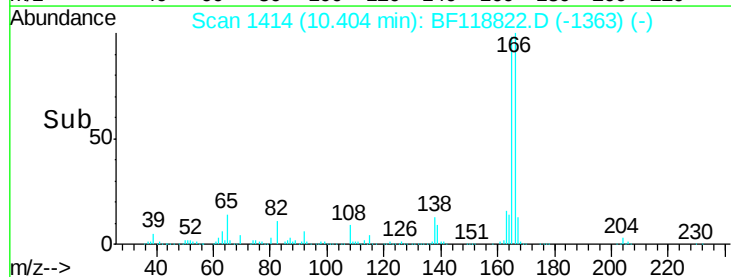
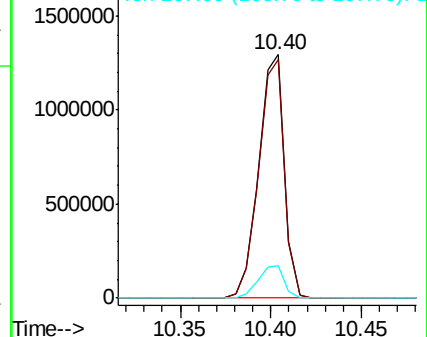


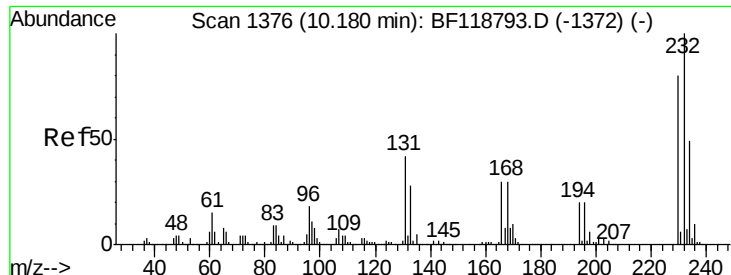
#58  
Fluorene  
Concen: 40.216 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. -0.00 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.7  | 77.0  | 115.6 |
| 167     | 13.5  | 11.1  | 16.7  |



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

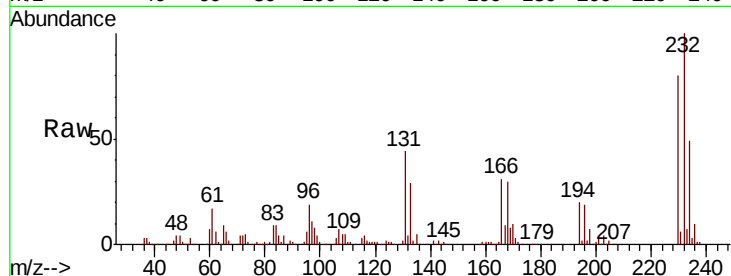




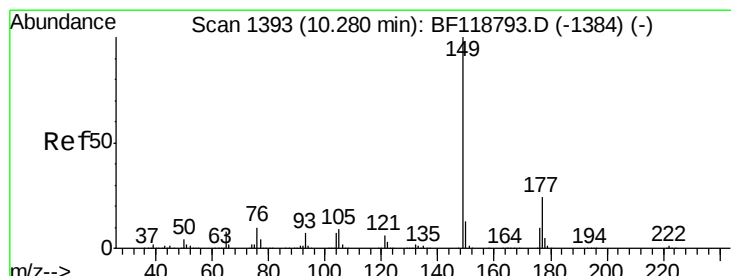
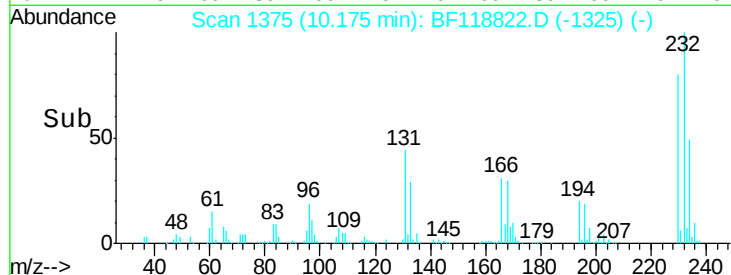
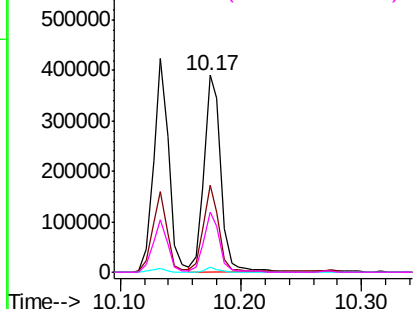
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.596 ng  
 RT: 10.17 min Scan# 1375  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 377755 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 40.2  | 31.8  | 47.6   |
| 130      | 2.1   | 1.6   | 2.4    |
| 166      | 28.5  | 23.1  | 34.7   |

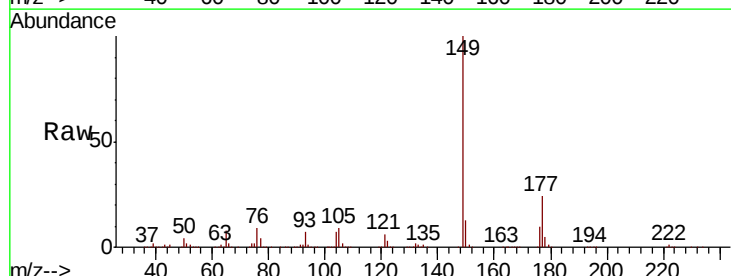


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

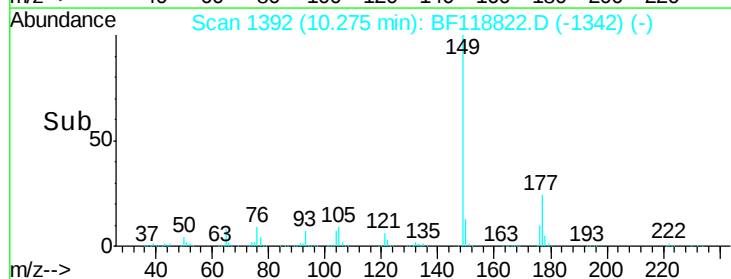
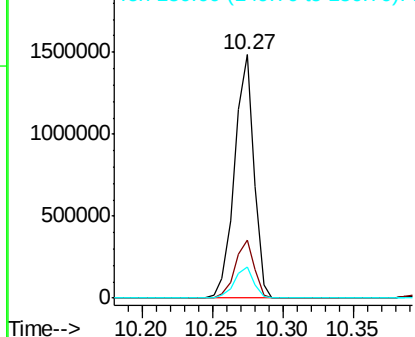


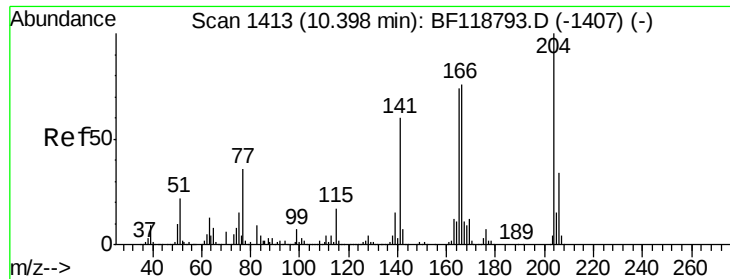
#60  
 Diethylphthalate  
 Concen: 40.417 ng  
 RT: 10.27 min Scan# 1392  
 Delta R.T. -0.01 min  
 Lab File: BF118822.D  
 Acq: 5 Feb 2020 11:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1417620 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 23.9  | 19.3  | 28.9    |
| 150      | 12.6  | 10.4  | 15.6    |



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

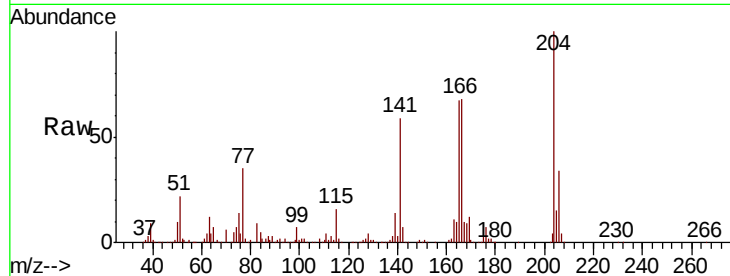




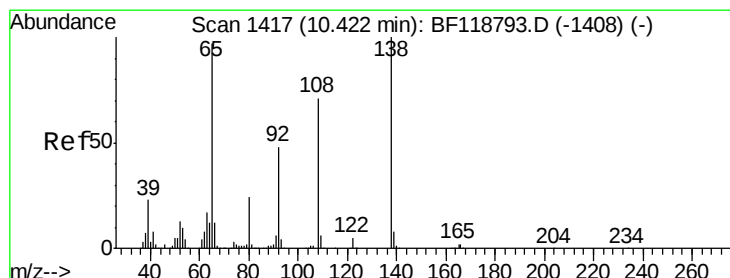
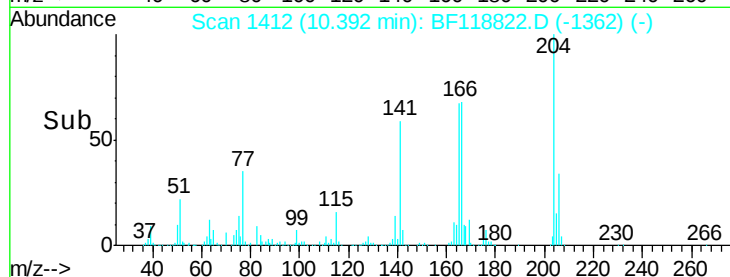
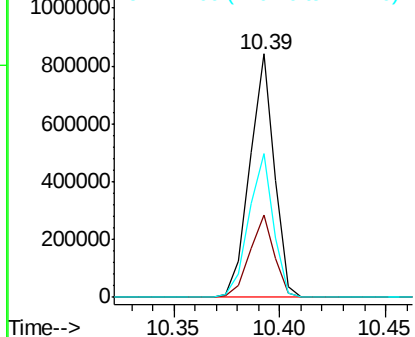
#61  
4-Chlorophenyl-phenylether  
Concen: 39.759 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.7  | 27.4  | 41.2  |
| 141     | 59.3  | 47.8  | 71.6  |

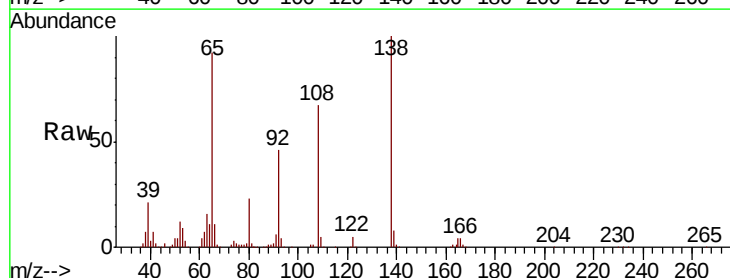


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

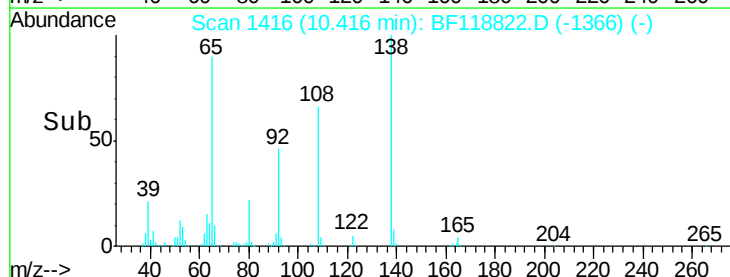
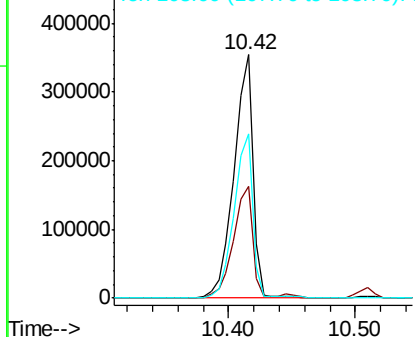


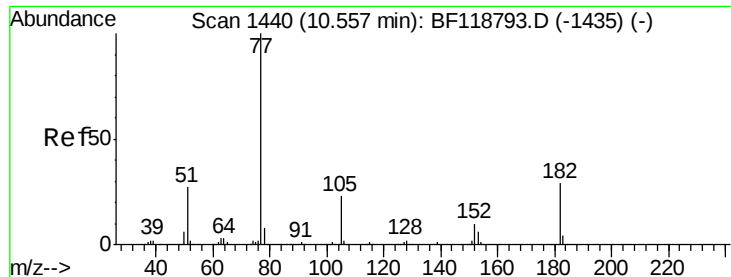
#62  
4-Nitroaniline  
Concen: 39.789 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 45.7  | 27.6  | 67.6  |
| 108     | 67.2  | 51.3  | 91.3  |



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





#63

Azobenzene

Concen: 40.901 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion: 77 Resp: 1224781

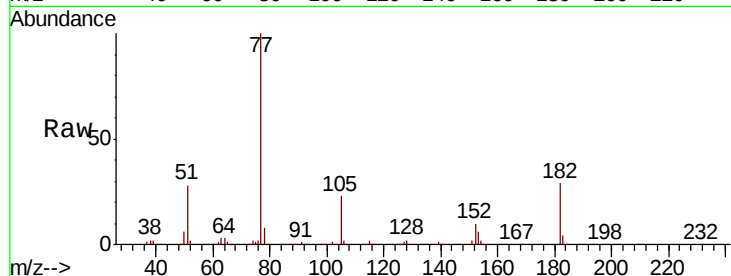
Ion Ratio Lower Upper

77 100

182 29.2 9.2 49.2

105 22.8 3.1 43.1

51 27.5 7.4 47.4

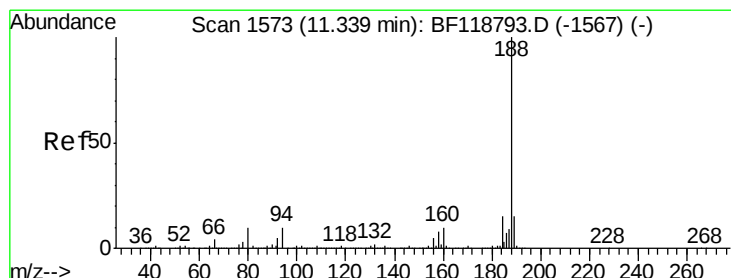
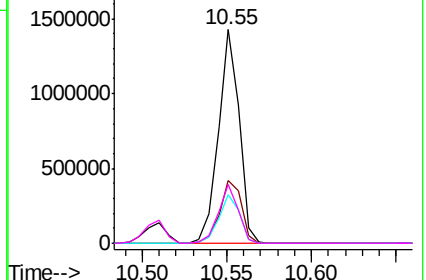
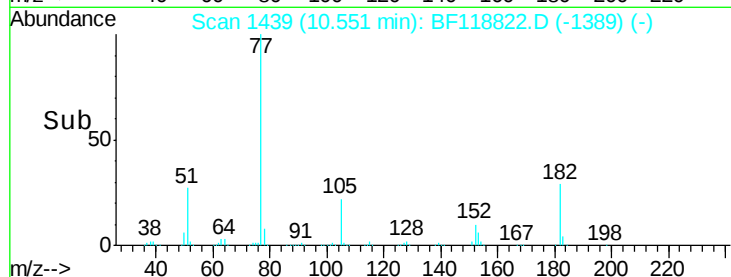


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

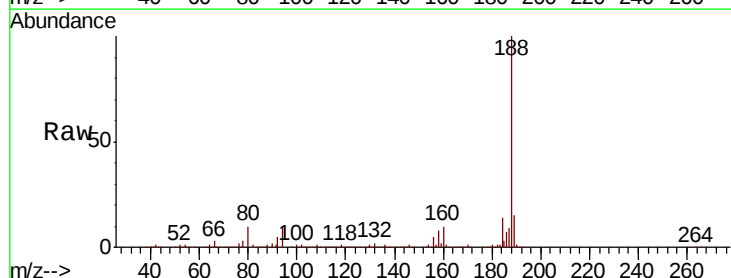
Tgt Ion: 188 Resp: 990693

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

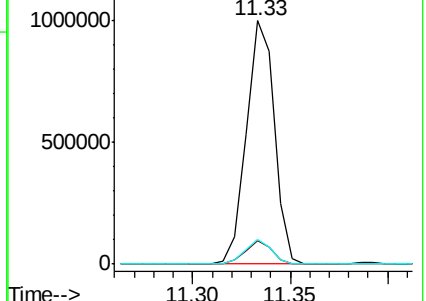
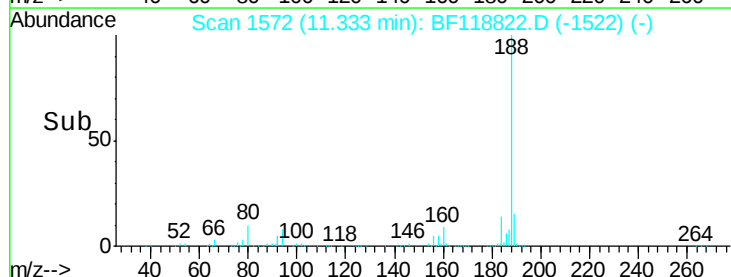
80 10.2 8.4 12.6

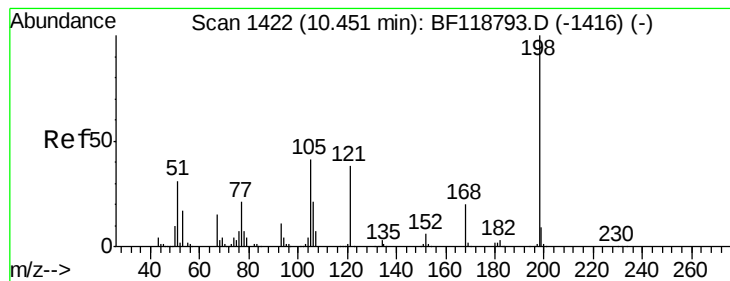


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 38.716 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

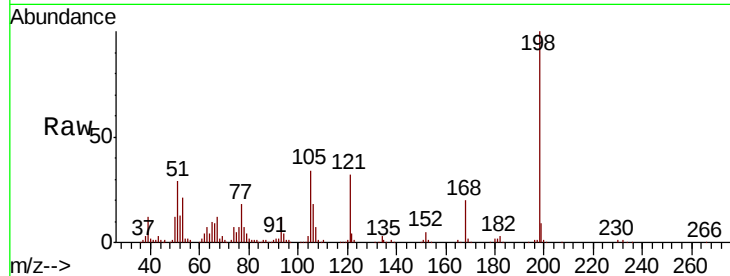
Tot Ion:198 Resp: 215523

Ion Ratio Lower Upper

198 100

51 28.9 16.7 56.7

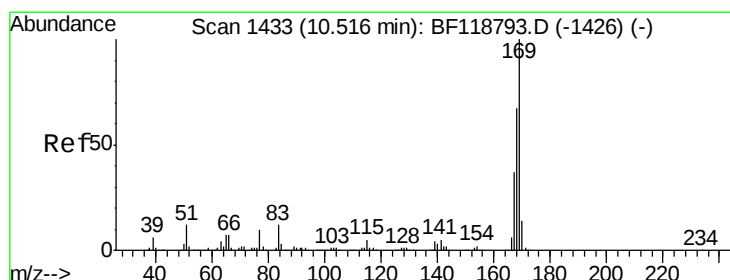
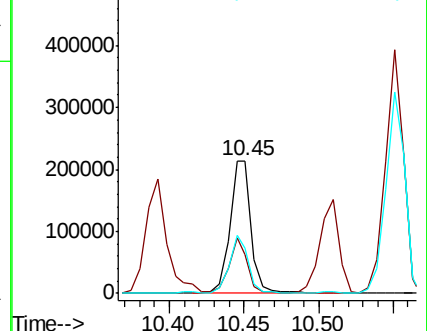
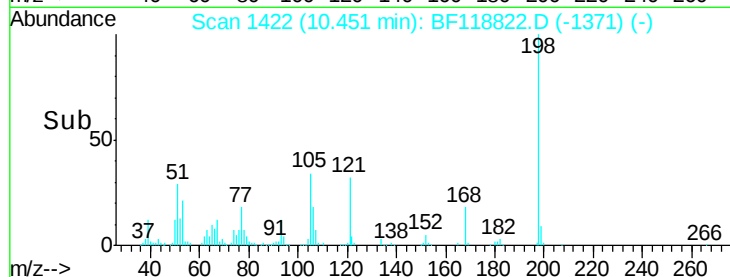
105 33.9 22.0 62.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.819 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

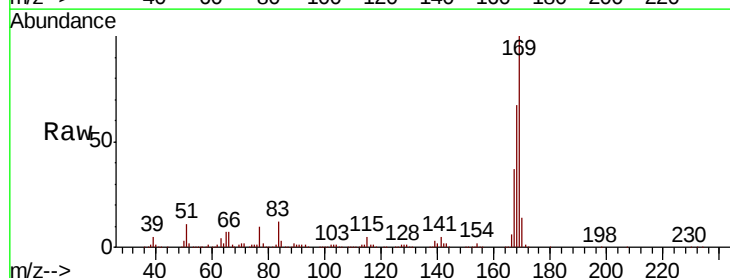
Tgt Ion:169 Resp: 1171374

Ion Ratio Lower Upper

169 100

168 67.0 53.5 80.3

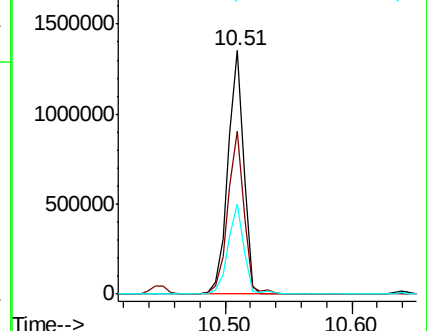
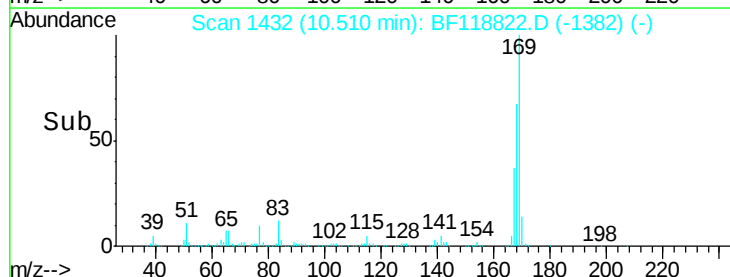
167 36.9 29.3 43.9

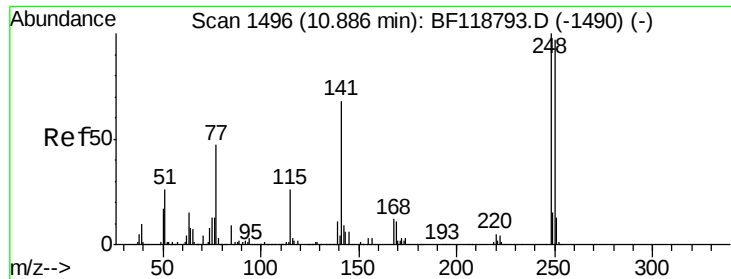


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 40.253 ng

RT: 10.88 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

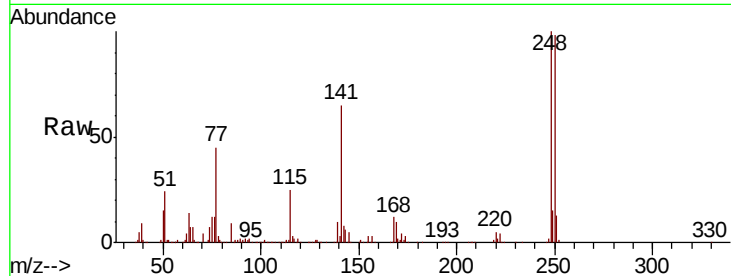
Tot Ion:248 Resp: 471749

Ion Ratio Lower Upper

248 100

250 98.0 77.6 116.4

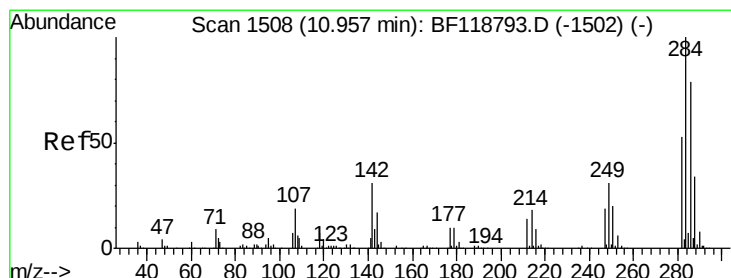
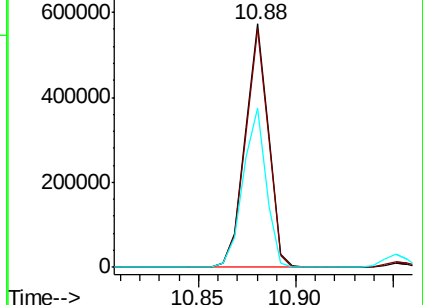
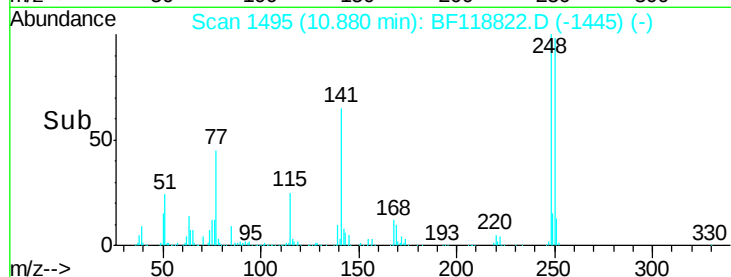
141 65.5 54.4 81.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 40.058 ng

RT: 10.95 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

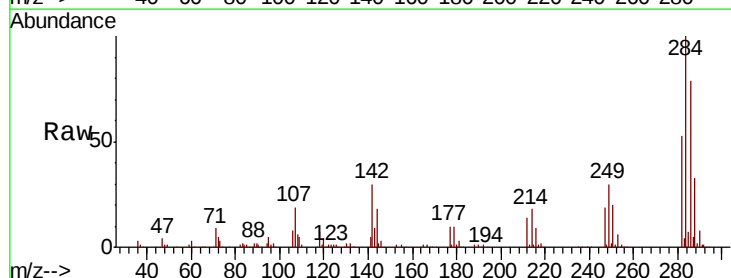
Tgt Ion:284 Resp: 538471

Ion Ratio Lower Upper

284 100

142 30.3 24.5 36.7

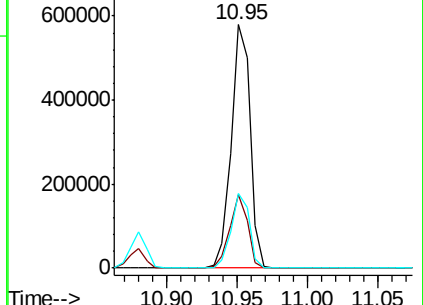
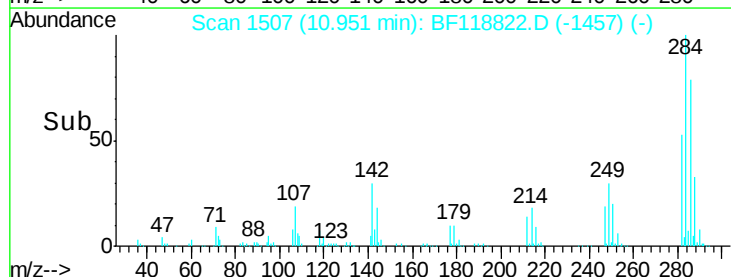
249 30.5 24.7 37.1

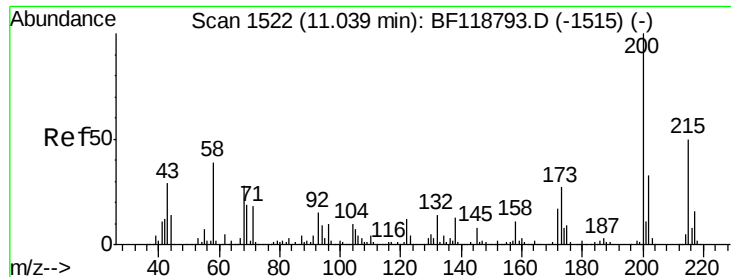


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 39.644 ng

RT: 11.03 min Scan# 1521

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

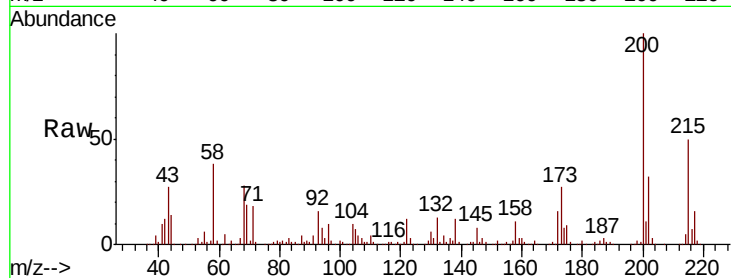
Tot Ion:200 Resp: 379019

Ion Ratio Lower Upper

200 100

173 27.2 7.5 47.5

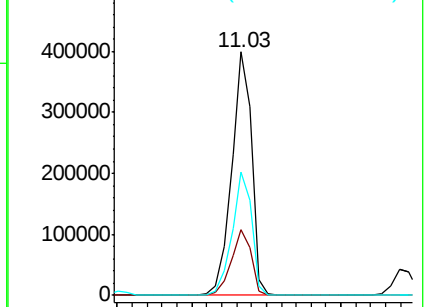
215 50.5 29.9 69.9



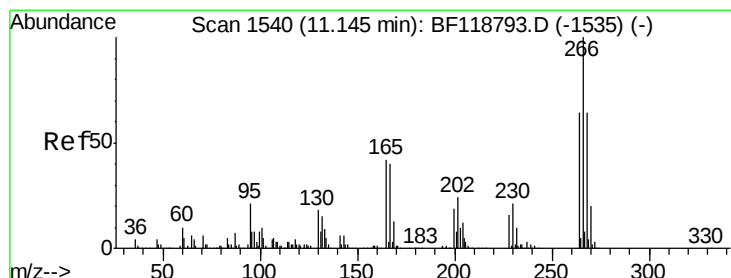
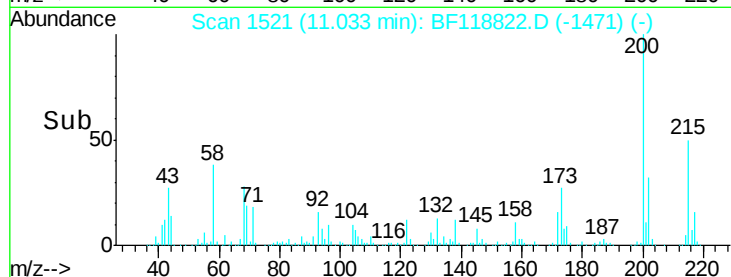
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time--> 10.95 11.00 11.05 11.10



#70

Pentachlorophenol

Concen: 37.603 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

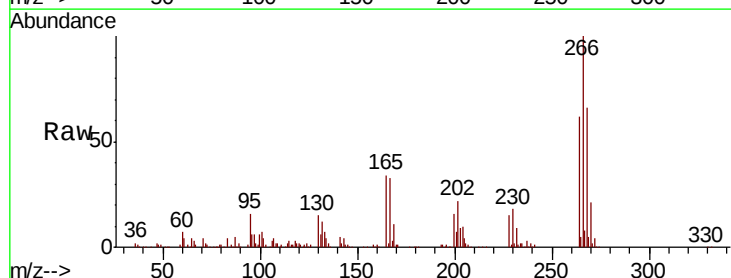
Tgt Ion:266 Resp: 266896

Ion Ratio Lower Upper

266 100

268 65.6 51.0 76.6

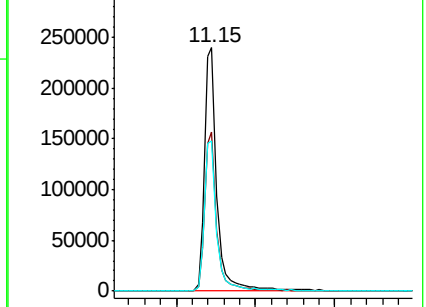
264 61.7 51.4 77.2



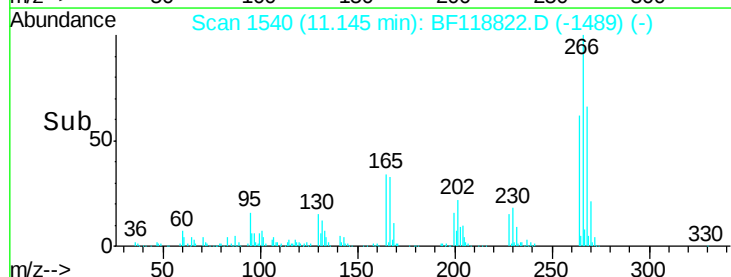
Abundance Ion 265.70 (265.40 to 266.40): E

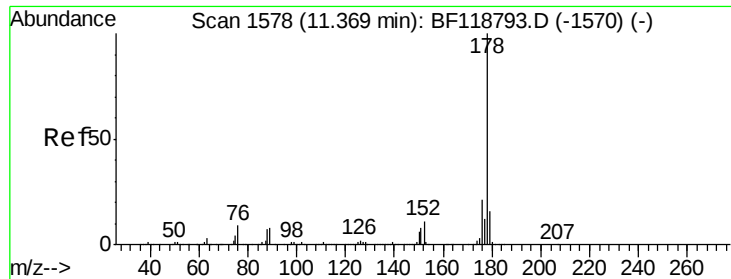
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time--> 11.10 11.20 11.30





#71

Phenanthrene

Concen: 40.078 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

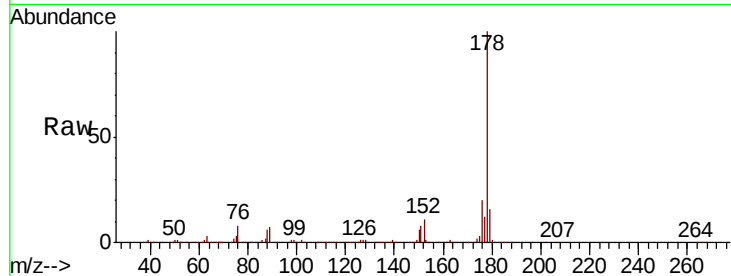
Tot Ion:178 Resp: 1953535

Ion Ratio Lower Upper

178 100

176 20.2 16.6 24.8

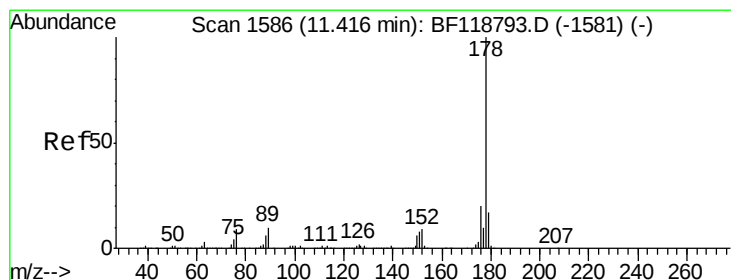
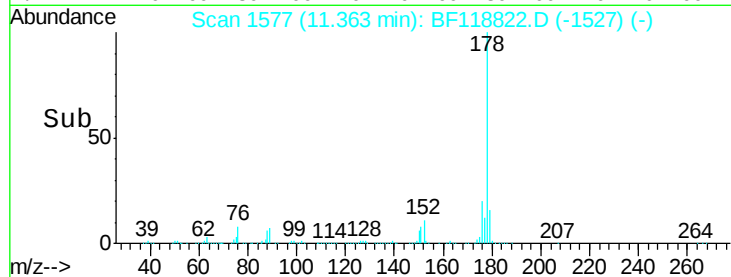
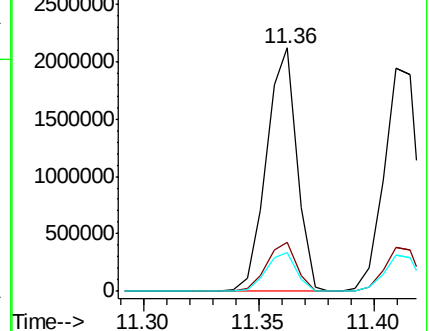
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.023 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

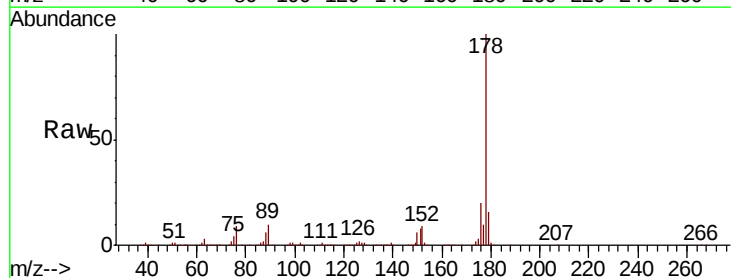
Tgt Ion:178 Resp: 1940748

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

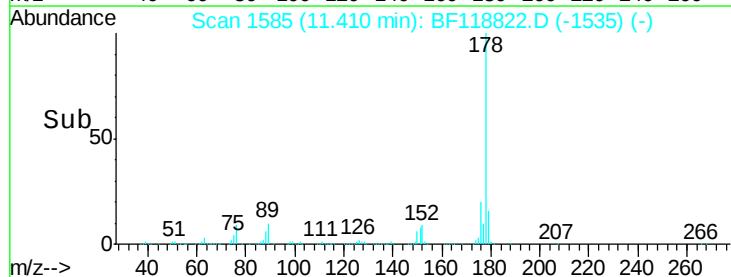
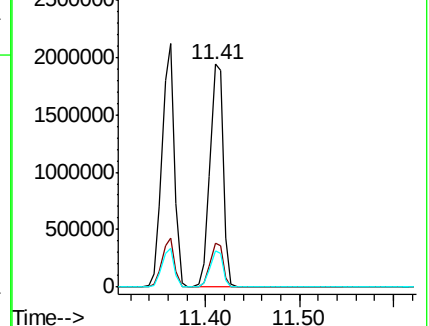
179 16.4 13.4 20.2

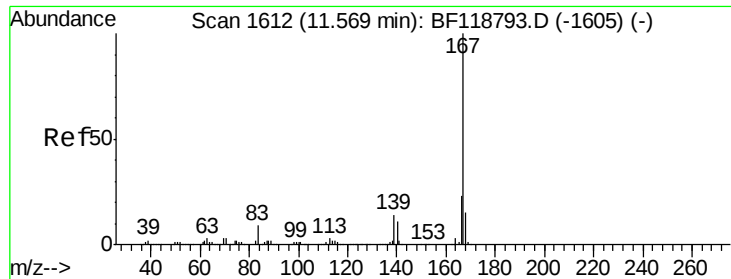


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 41.363 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

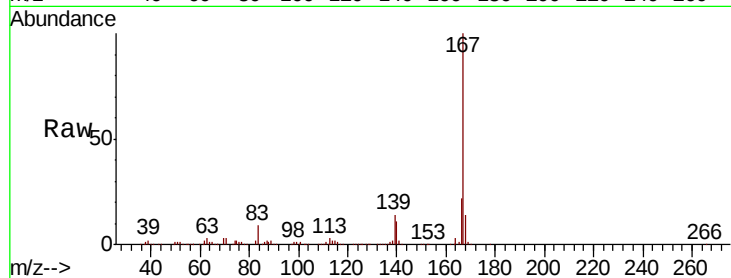
Tot Ion:167 Resp: 1760264

Ion Ratio Lower Upper

167 100

166 22.4 18.4 27.6

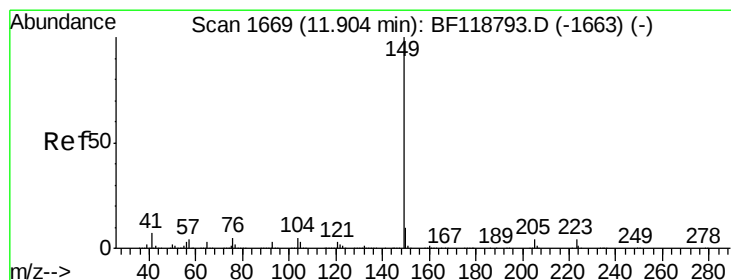
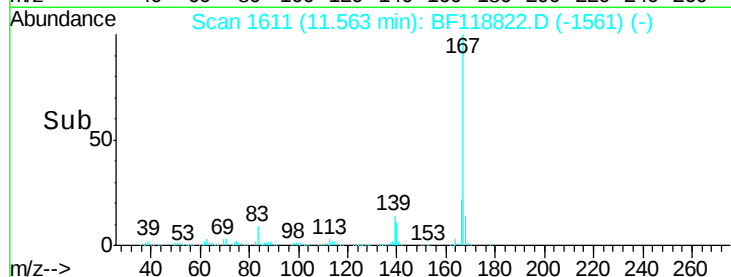
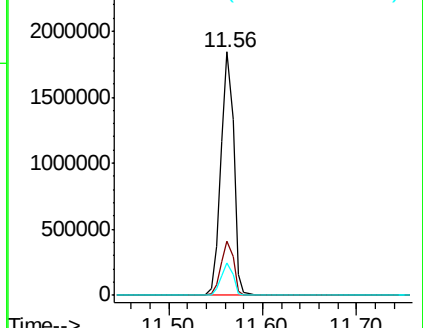
139 13.5 11.1 16.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.099 ng

RT: 11.90 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

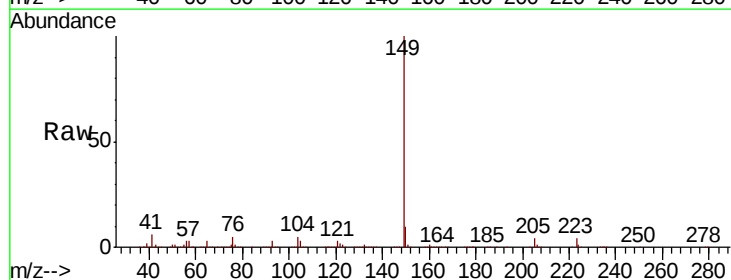
Tgt Ion:149 Resp: 2173819

Ion Ratio Lower Upper

149 100

150 9.9 8.1 12.1

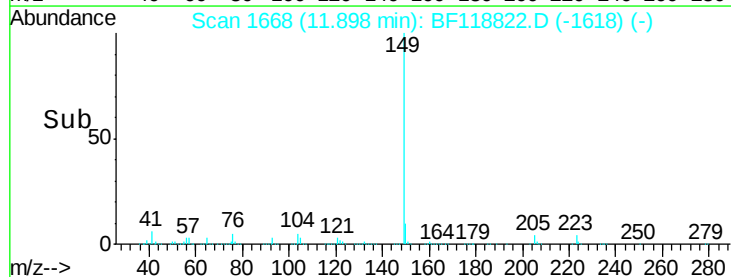
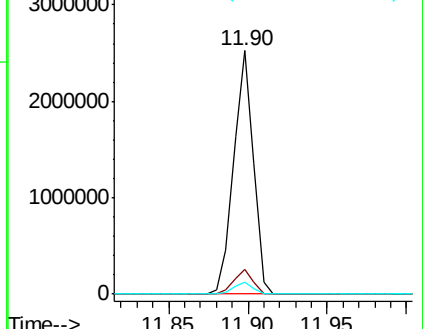
104 5.0 4.3 6.5

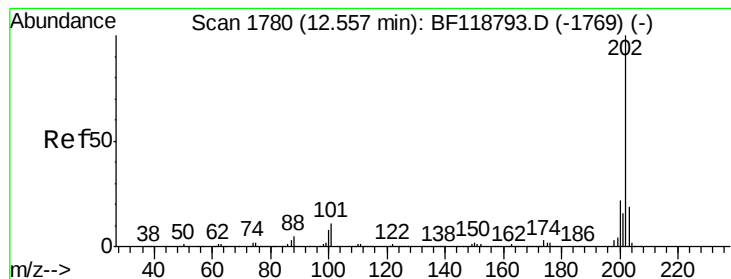


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 38.893 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

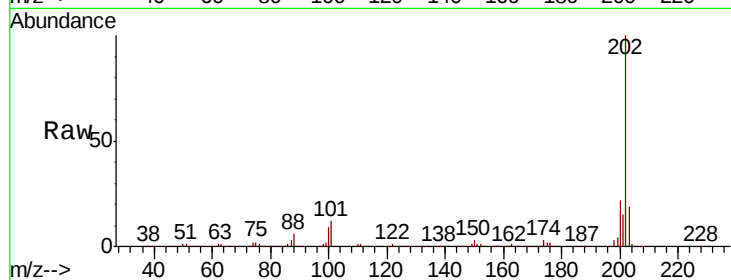
Tot Ion:202 Resp: 2069857

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.0

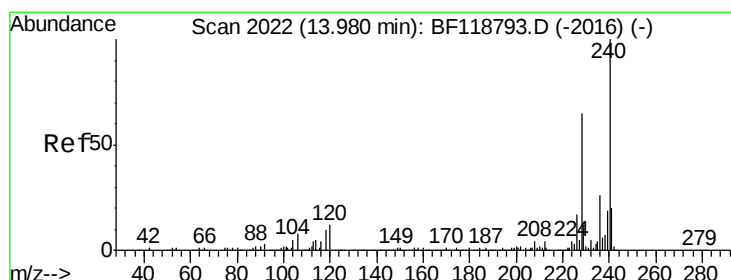
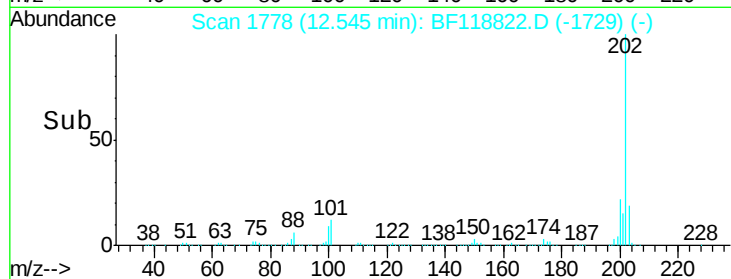
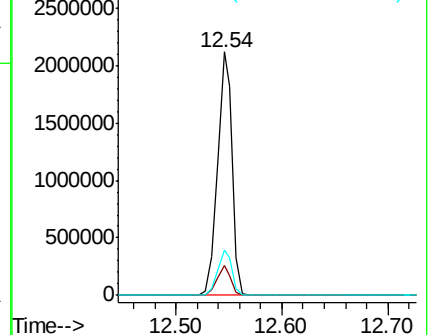
203 18.6 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

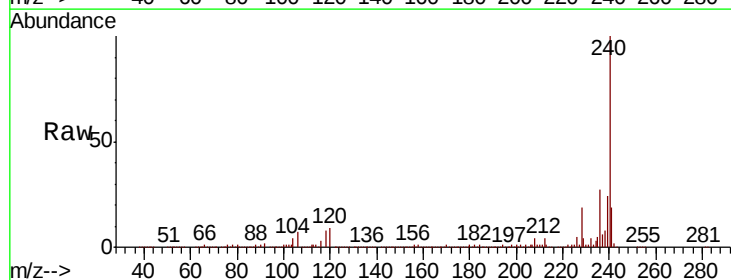
Tgt Ion:240 Resp: 714622

Ion Ratio Lower Upper

240 100

120 9.4 9.4 14.0#

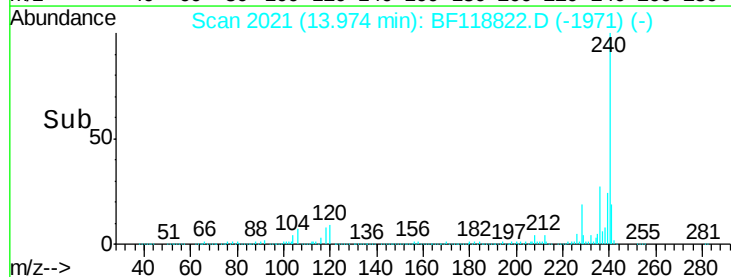
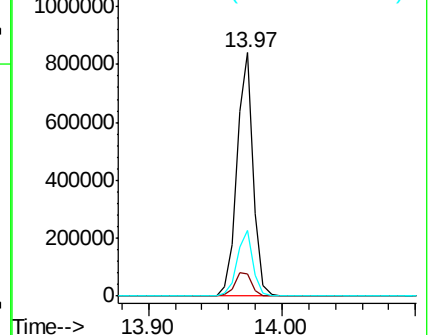
236 26.8 21.0 31.6

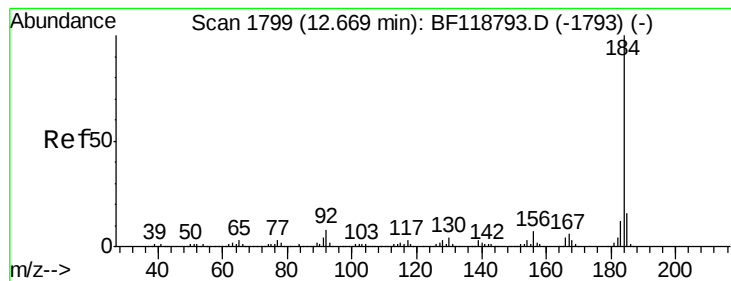


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 39.271 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

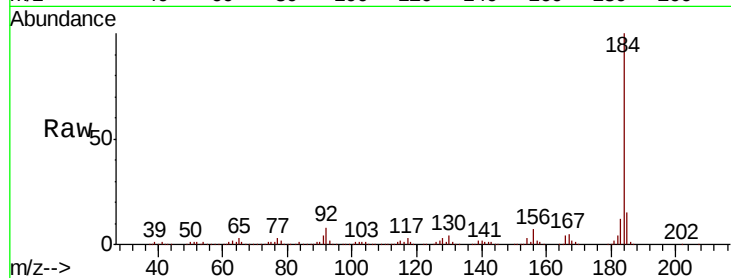
Tot Ion:184 Resp: 848813

Ion Ratio Lower Upper

184 100

185 15.3 12.5 18.7

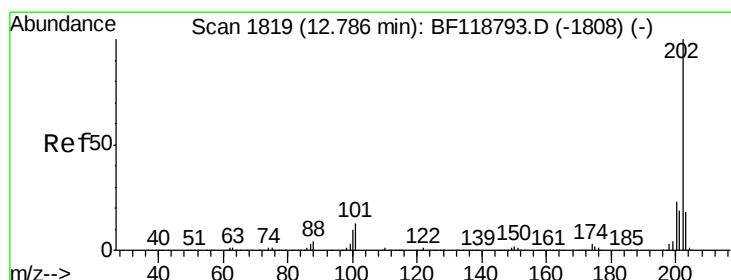
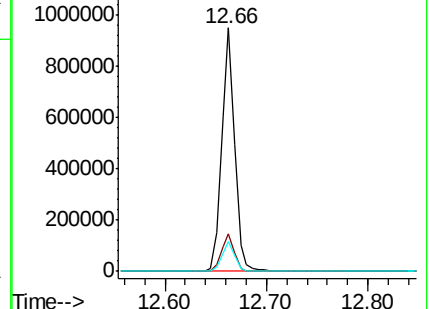
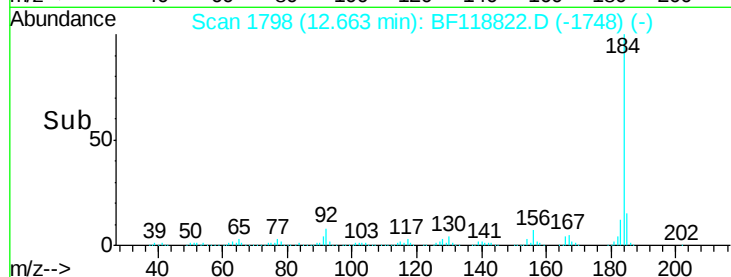
183 12.2 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 42.520 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

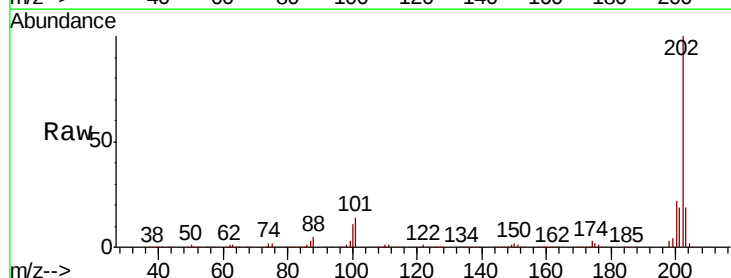
Tgt Ion:202 Resp: 2084541

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

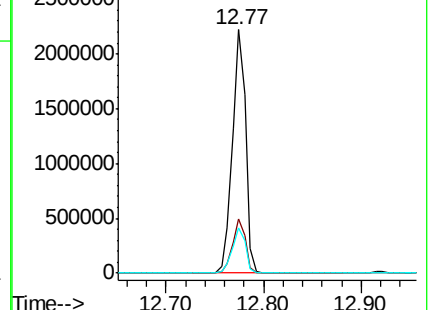
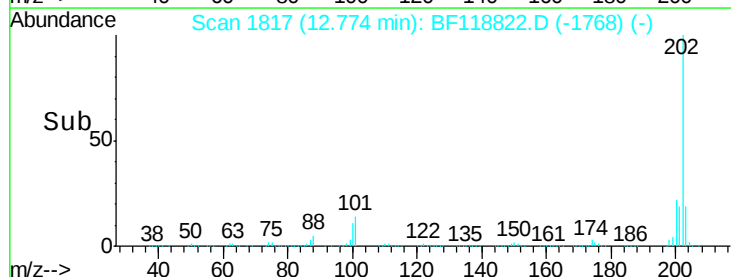
203 18.6 14.8 22.2

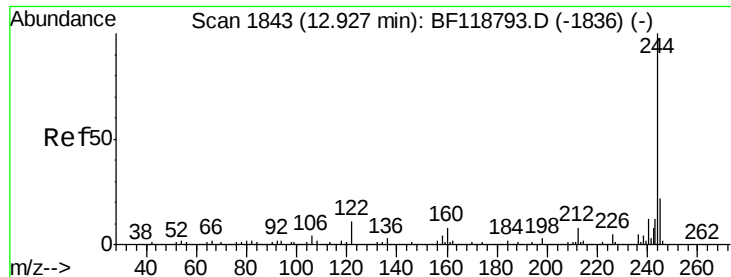


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.562 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

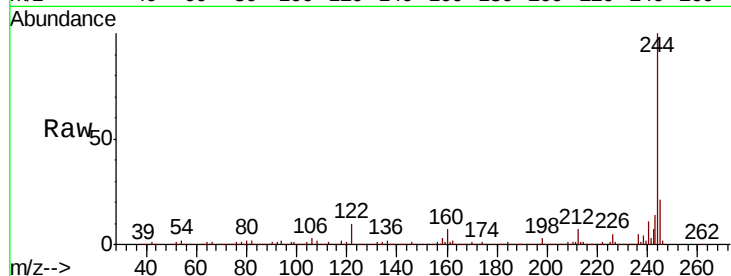
Tot Ion:244 Resp: 2942000

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

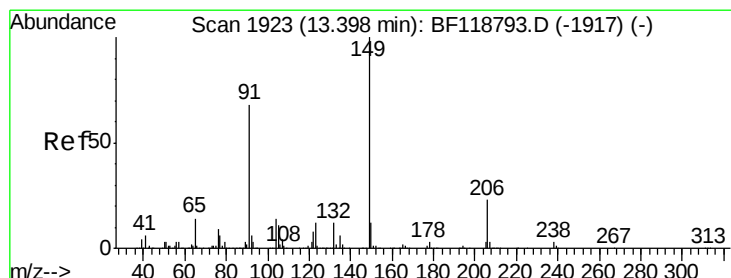
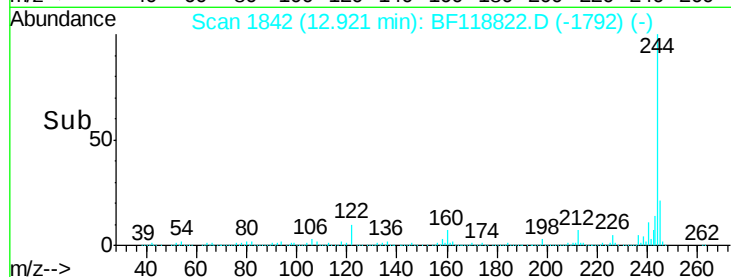
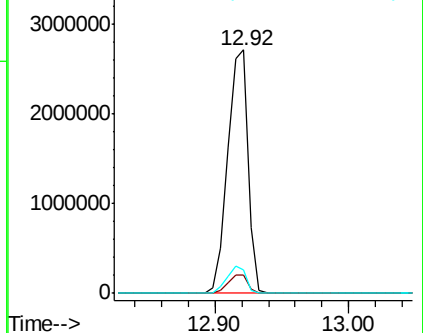
122 9.6 8.9 13.3



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: 40.914 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

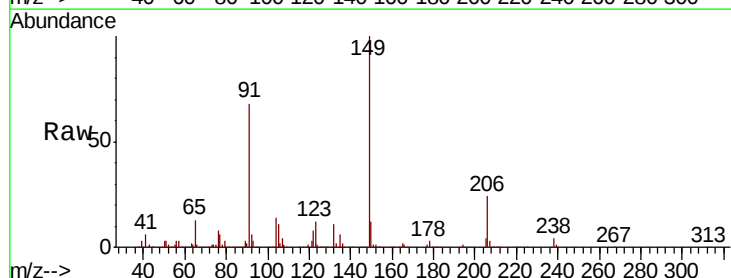
Tgt Ion:149 Resp: 915508

Ion Ratio Lower Upper

149 100

91 67.5 54.7 82.1

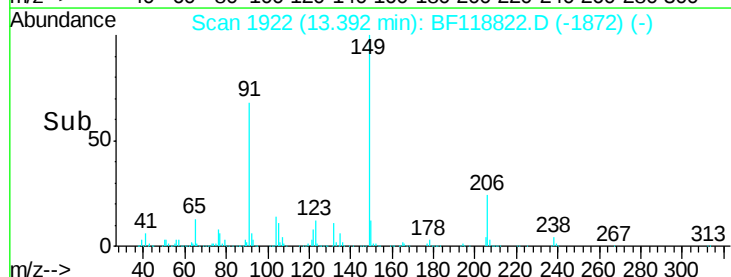
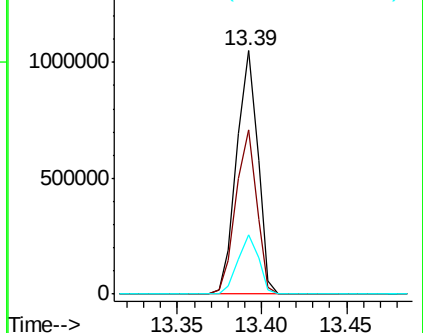
206 24.1 18.5 27.7

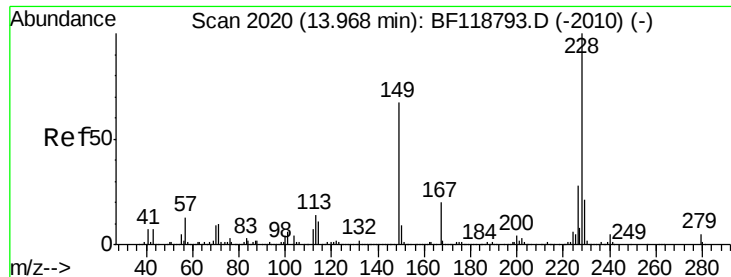


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.438 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

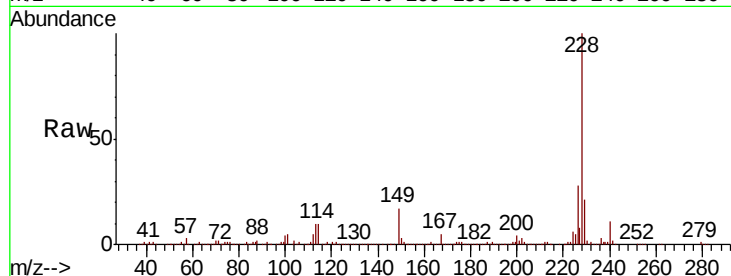
Tot Ion:228 Resp: 1762139

Ion Ratio Lower Upper

228 100

226 27.7 22.7 34.1

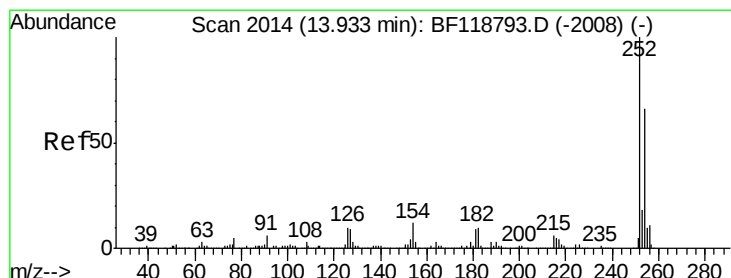
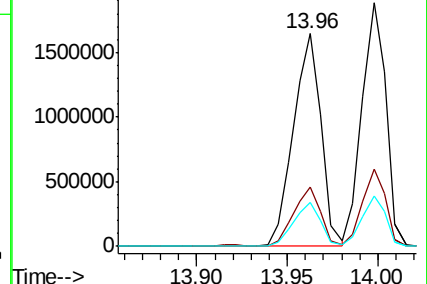
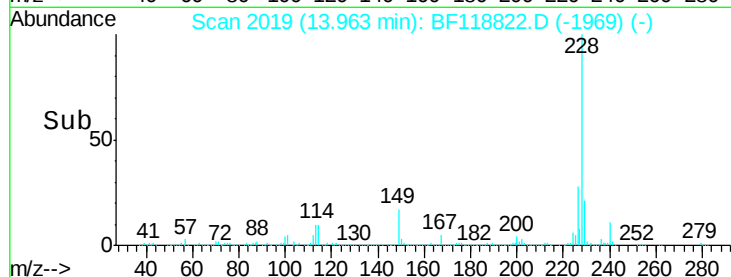
229 20.6 16.6 25.0



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: 40.972 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

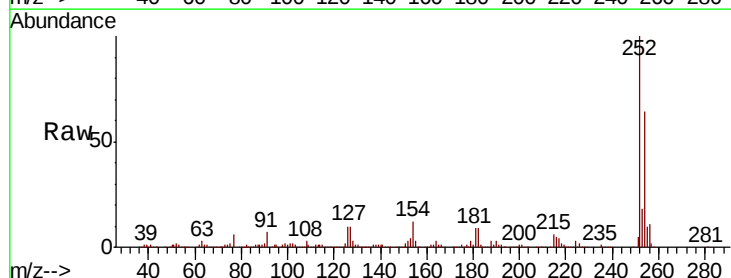
Tgt Ion:252 Resp: 712600

Ion Ratio Lower Upper

252 100

254 64.1 52.4 78.6

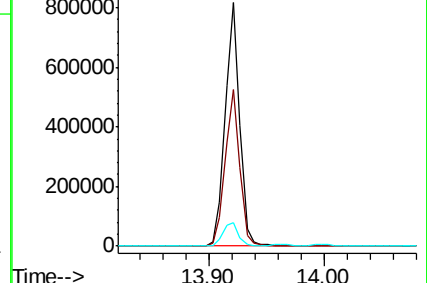
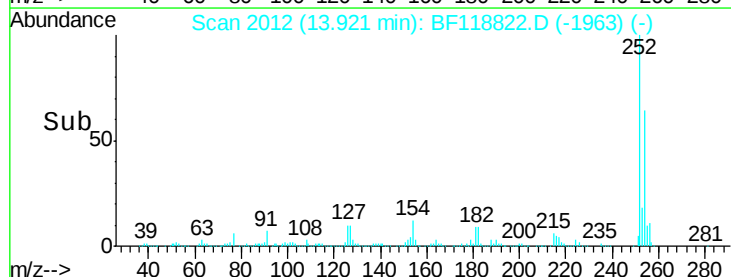
126 9.9 7.8 11.8

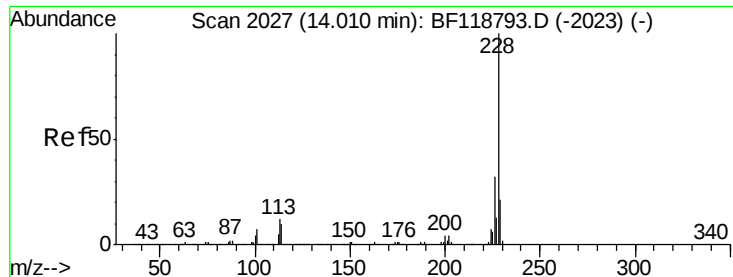


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

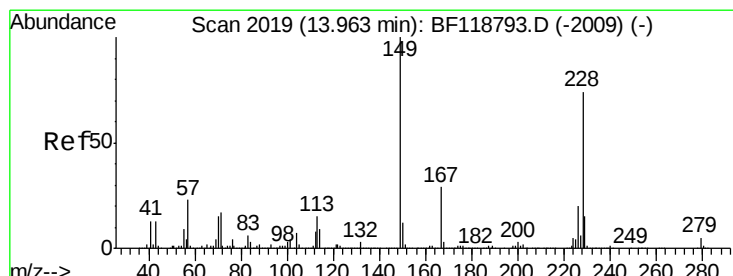
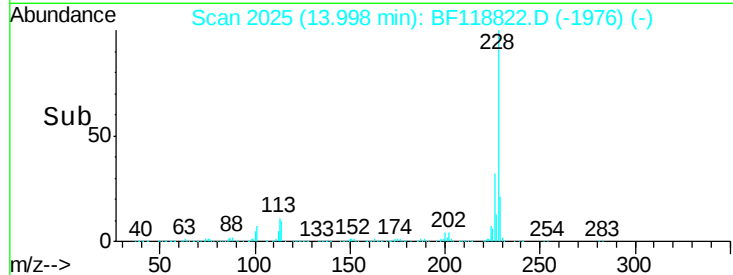
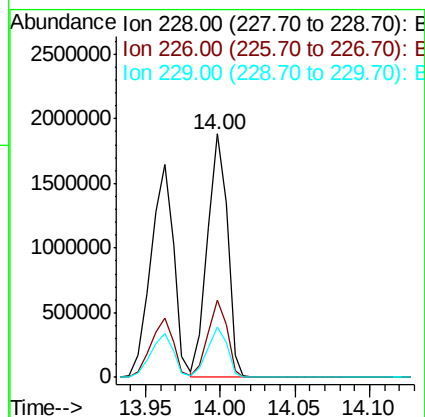
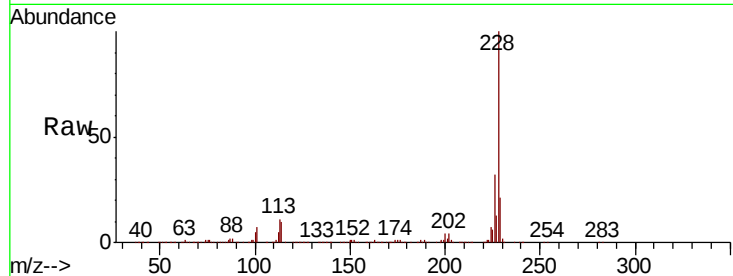




#83  
Chrysene  
Concen: 40.721 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

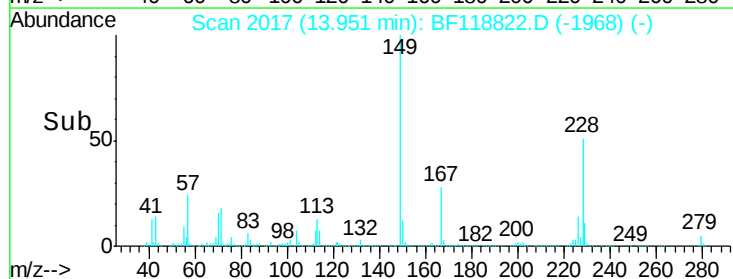
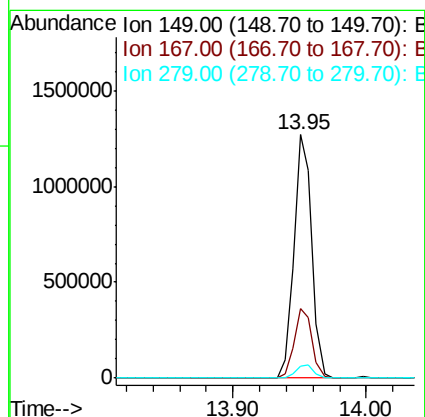
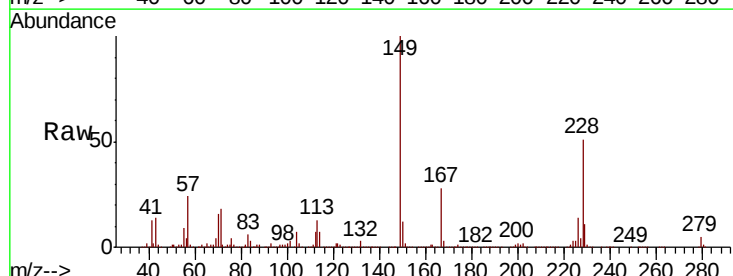
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

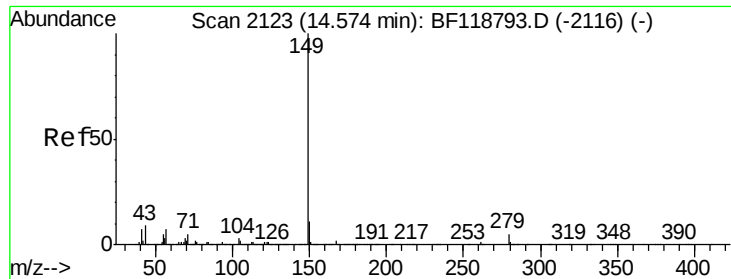
Tot Ion:228 Resp: 1737959  
Ion Ratio Lower Upper  
228 100  
226 31.6 25.4 38.0  
229 20.8 16.9 25.3



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 41.559 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion:149 Resp: 1179840  
Ion Ratio Lower Upper  
149 100  
167 28.4 23.0 34.6  
279 5.2 4.4 6.6

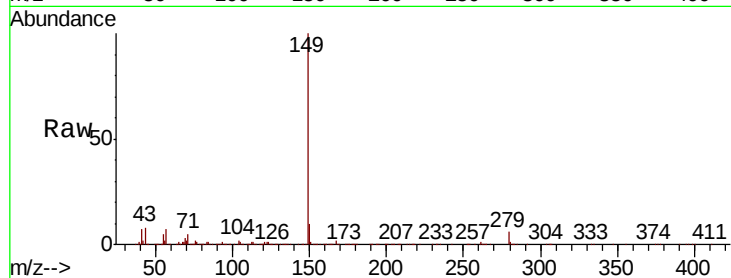




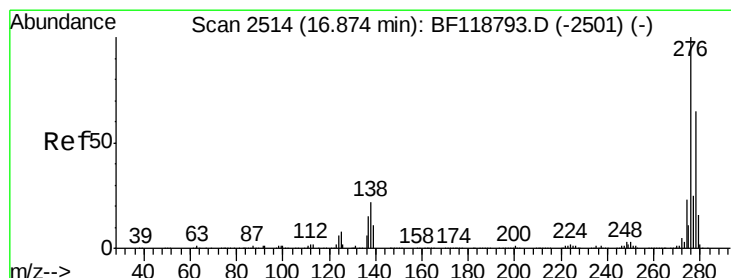
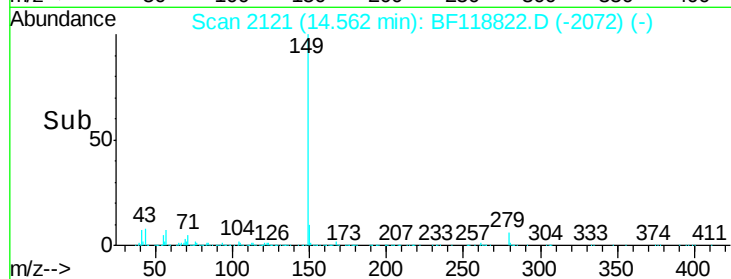
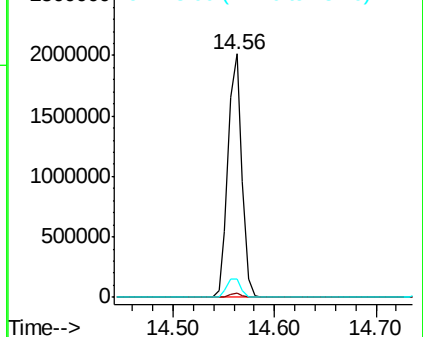
#85  
Di-n-octyl phthalate  
Concen: 39.380 ng  
RT: 14.56 min Scan# 2121  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:149 Resp: 1915247  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 8.3 6.6 10.0

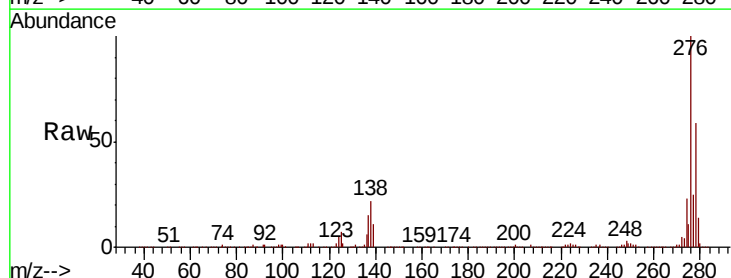


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

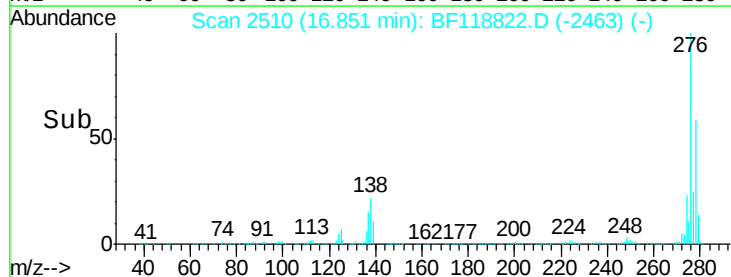
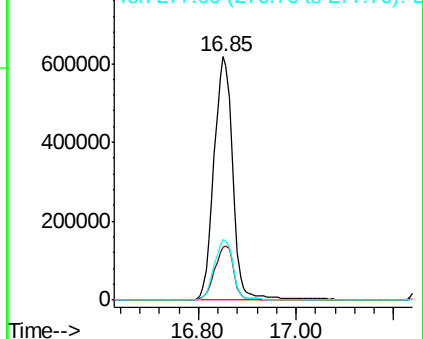


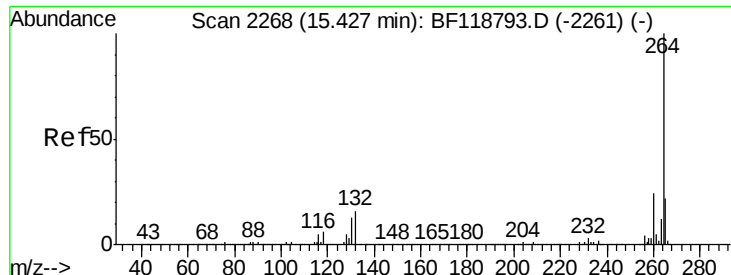
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 38.836 ng  
RT: 16.85 min Scan# 2510  
Delta R.T. -0.02 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion:276 Resp: 1665336  
Ion Ratio Lower Upper  
276 100  
138 22.7 18.3 27.5  
277 25.0 20.2 30.4



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

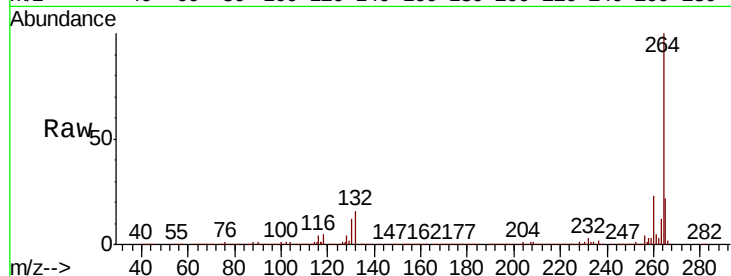
Tot Ion:264 Resp: 695773

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

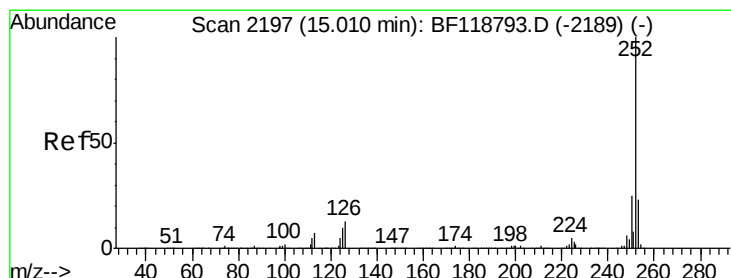
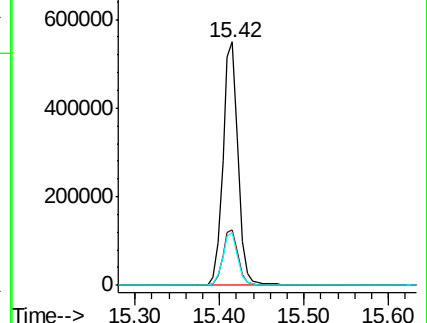
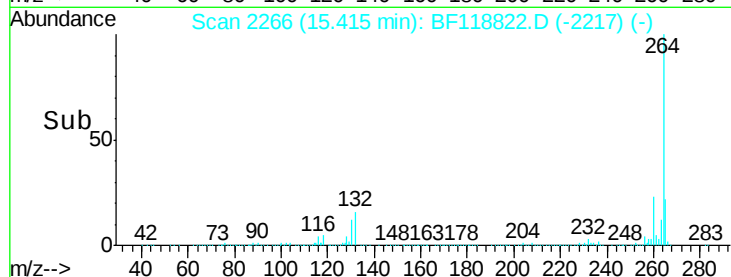
265 21.6 17.2 25.8



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: 37.968 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

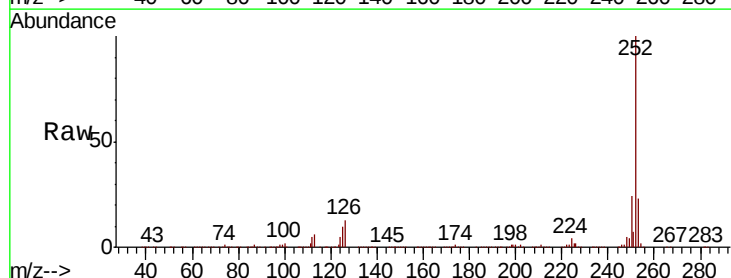
Tgt Ion:252 Resp: 1639229

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

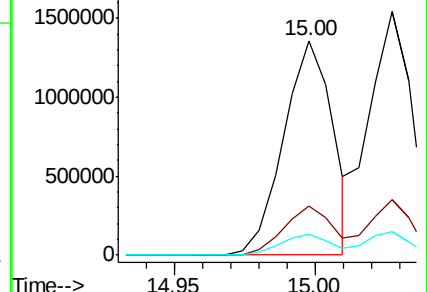
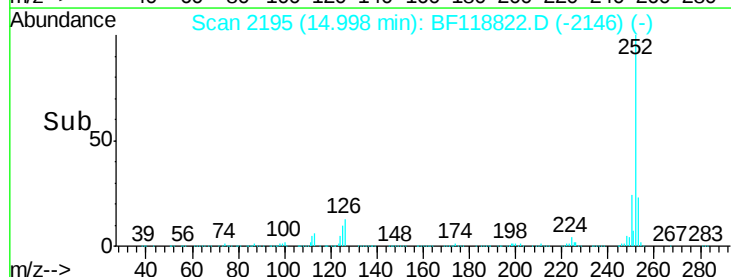
125 9.8 8.1 12.1

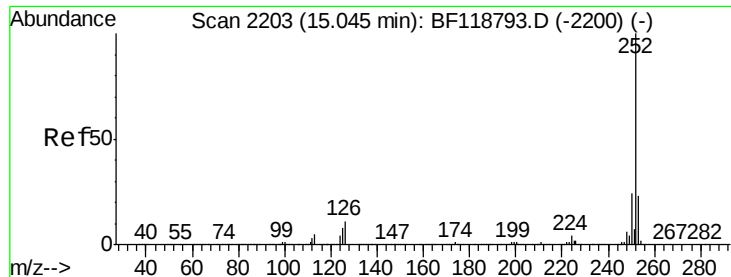


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

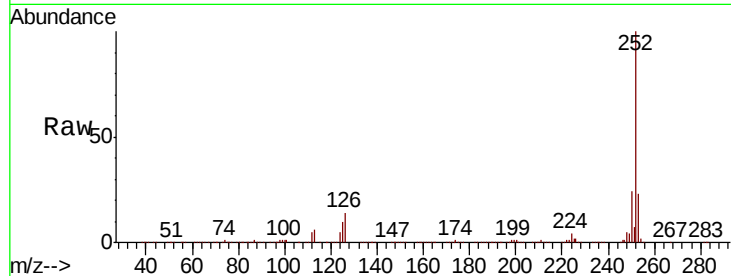




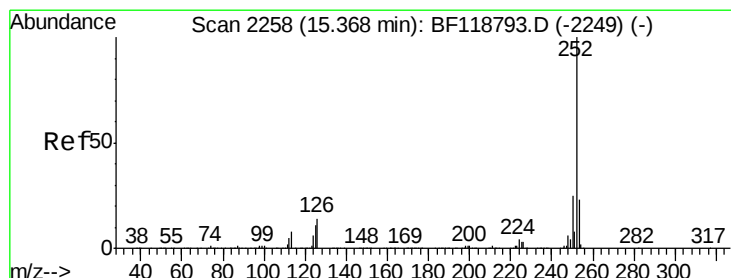
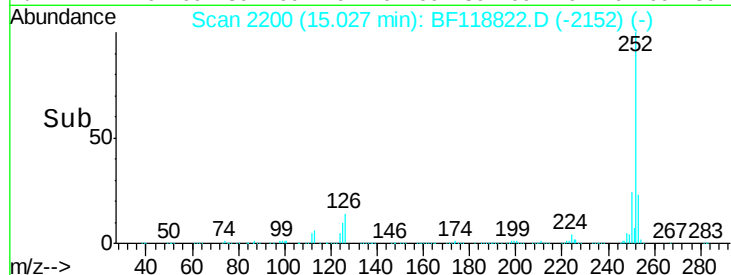
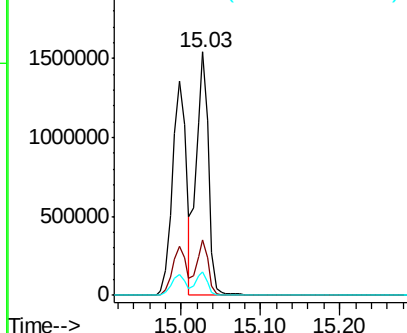
#89  
Benzo(k)fluoranthene  
Concen: 44.091 ng  
RT: 15.03 min Scan# 2200  
Delta R.T. -0.02 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:252 Resp: 1657644  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.2 27.4  
125 9.6 7.0 10.6

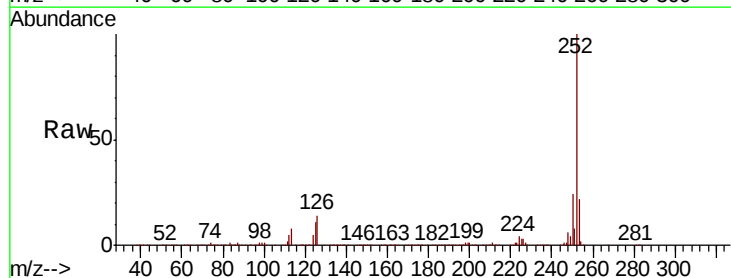


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

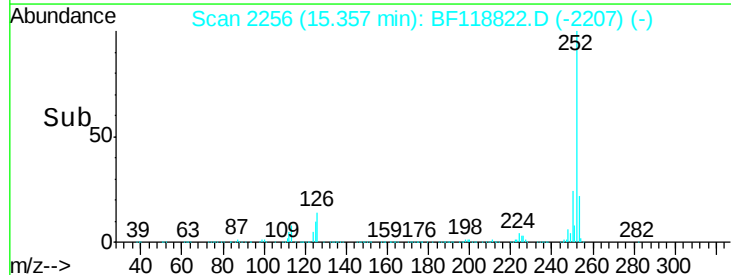
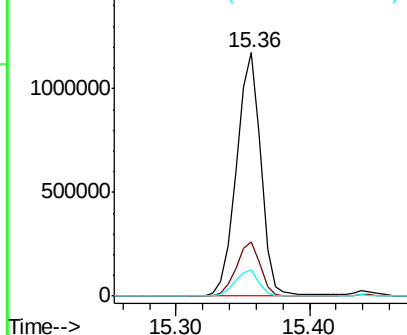


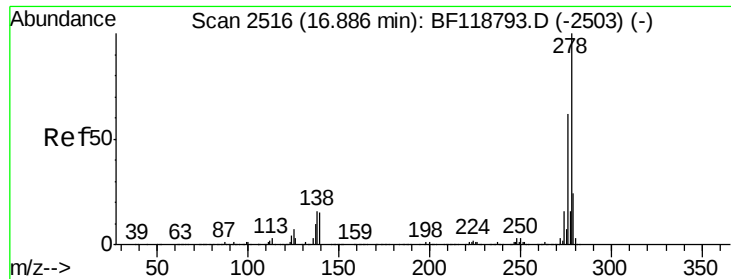
#90  
Benzo(a)pyrene  
Concen: 40.428 ng  
RT: 15.36 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BF118822.D  
Acq: 5 Feb 2020 11:08

Tgt Ion:252 Resp: 1493759  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.1 27.1  
125 10.6 8.7 13.1



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





#91

Dibenzo(a,h)anthracene

Concen: 41.838 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.02 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Instrument :

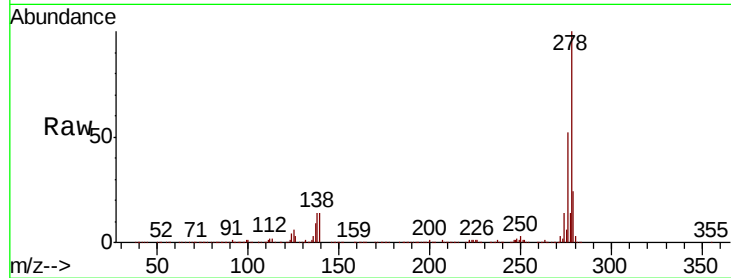
BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:278 Resp: 1372298

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 13.8  | 12.3  | 18.5  |
| 279 | 24.0  | 19.1  | 28.7  |

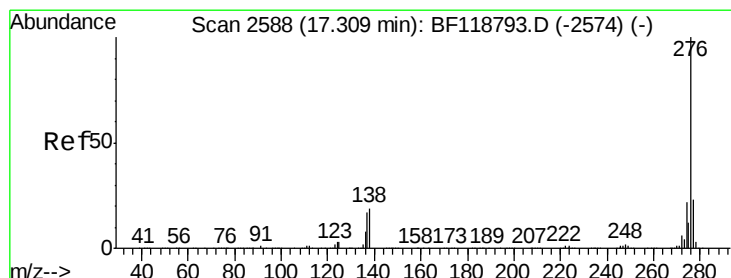
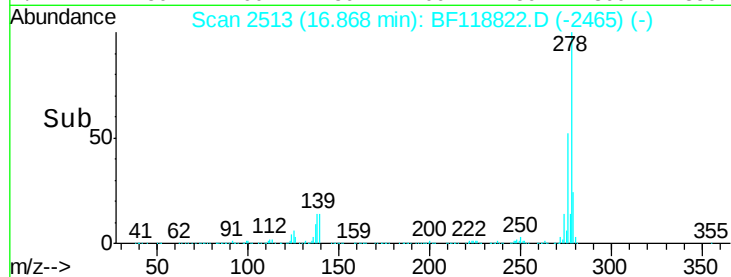
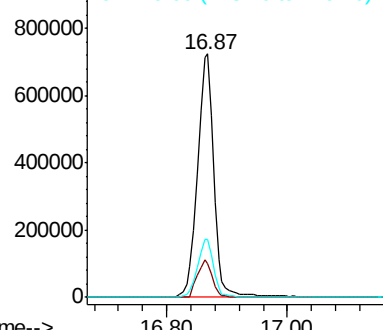


Abundance

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: 40.041 ng

RT: 17.28 min Scan# 2583

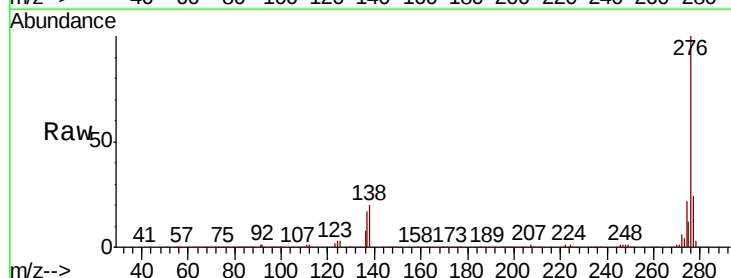
Delta R.T. -0.03 min

Lab File: BF118822.D

Acq: 5 Feb 2020 11:08

Tgt Ion:276 Resp: 1263064

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.3  | 18.7  | 28.1  |
| 138 | 19.8  | 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

