

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\  
 Data File : BG042439.D  
 Acq On : 23 Aug 2019 18:47  
 Operator : HP/JU  
 Sample : K4086-04MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

Quant Time: Aug 24 02:09:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 99470    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 363927   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 230772   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 467633   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.70 | 240  | 441216   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.94 | 264  | 664772   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.56  | 112 | 497090  | 101.21 | ng | 0.00 |
| 7) Phenol-d6             | 7.17  | 99  | 632181  | 95.29  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.17  | 82  | 330360  | 62.73  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 249248  | 75.99  | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.28 | 172 | 864916  | 63.39  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.03 | 244 | 1271709 | 62.31  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.42  | 88  | 51759  | 25.253 | ng | # 62   |
| 3) Pyridine                    | 3.84  | 79  | 88266  | 16.794 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.74  | 42  | 53075  | 28.274 | ng | # 74   |
| 6) Aniline                     | 7.32  | 93  | 167471 | 18.926 | ng | 99     |
| 8) 2-Chlorophenol              | 7.57  | 128 | 202148 | 33.962 | ng | 99     |
| 9) Benzaldehyde                | 7.13  | 77  | 79088  | 23.812 | ng | 94     |
| 10) Phenol                     | 7.20  | 94  | 210185 | 31.160 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.42  | 93  | 189624 | 35.795 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.90  | 146 | 206215 | 27.234 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.04  | 146 | 183544 | 23.930 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.36  | 146 | 167524 | 22.808 | ng | 100    |
| 15) Benzyl Alcohol             | 8.24  | 79  | 119377 | 25.011 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 185554 | 25.843 | ng | 99     |
| 17) 2-Methylphenol             | 8.46  | 107 | 129911 | 26.148 | ng | 93     |
| 18) Hexachloroethane           | 9.09  | 117 | 64755  | 24.662 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.81  | 70  | 114096 | 26.546 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.79  | 107 | 182340 | 26.523 | ng | 97     |
| 22) Acetophenone               | 8.83  | 105 | 245497 | 31.540 | ng | # 97   |
| 24) Nitrobenzene               | 9.22  | 77  | 161448 | 30.274 | ng | 98     |
| 25) Isophorone                 | 9.74  | 82  | 319655 | 30.756 | ng | 97     |
| 26) 2-Nitrophenol              | 9.93  | 139 | 93765  | 28.057 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 9.99  | 122 | 157273 | 34.163 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93  | 236406 | 36.089 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.48 | 162 | 177908 | 29.538 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180 | 192553 | 26.045 | ng | 98     |
| 31) Naphthalene                | 10.87 | 128 | 474848 | 28.104 | ng | 99     |
| 32) Benzoic acid               | 10.13 | 122 | 56495  | 22.201 | ng | 99     |
| 33) 4-Chloroaniline            | 10.99 | 127 | 73872  | 9.471  | ng | 98     |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 113624 | 22.869 | ng | 100    |
| 35) Caprolactam                | 11.75 | 113 | 43115  | 21.453 | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 160251 | 28.027 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.49 | 142 | 501890 | 36.994 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.71 | 142 | 451675 | 35.050 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 221922 | 29.945 | ng | 99     |

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 QLast Update : Thu Aug 22 14:29:15 2019  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.84 | 237  | 59693    | 15.334 | nq    | 97       |
| 43) 2,4,6-Trichlorophenol      | 13.10 | 196  | 145318   | 29.010 | nq    | 95       |
| 44) 2,4,5-Trichlorophenol      | 13.18 | 196  | 154090   | 29.684 | nq    | 95       |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 461892   | 30.964 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.54 | 162  | 378198   | 29.403 | nq    | 98       |
| 48) 2-Nitroaniline             | 13.74 | 65   | 93478    | 30.137 | nq    | 94       |
| 49) Acenaphthylene             | 14.39 | 152  | 593196   | 30.654 | nq    | 100      |
| 50) Dimethylphthalate          | 14.11 | 163  | 509765   | 30.615 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.24 | 165  | 109010   | 28.244 | nq    | 95       |
| 52) Acenaphthene               | 14.73 | 154  | 344892   | 29.351 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.56 | 138  | 84100    | 21.788 | nq    | 99       |
| 54) 2,4-Dinitrophenol          | 14.79 | 184  | 13414    | 11.014 | nq    | 96       |
| 55) Dibenzofuran               | 15.06 | 168  | 755016   | 38.817 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 228598   | 83.345 | nq    | 88       |
| 57) 2,4-Dinitrotoluene         | 15.03 | 165  | 190791   | 34.521 | nq    | 98       |
| 58) Fluorene                   | 15.72 | 166  | 461610   | 29.033 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 172588   | 33.620 | nq    | # 85     |
| 60) Diethylphthalate           | 15.48 | 149  | 485015   | 29.797 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204  | 258637   | 26.985 | nq    | 99       |
| 62) 4-Nitroaniline             | 15.73 | 138  | 103709   | 25.104 | nq    | 93       |
| 63) Azobenzene                 | 16.00 | 77   | 331595   | 29.730 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 13076    | 4.460  | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.92 | 169  | 416704   | 32.402 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.60 | 248  | 171444   | 28.903 | nq    | 96       |
| 68) Hexachlorobenzene          | 16.73 | 284  | 176881   | 27.431 | nq    | 96       |
| 69) Atrazine                   | 16.87 | 200  | 151473   | 33.307 | nq    | 98       |
| 70) Pentachlorophenol          | 17.07 | 266  | 206774   | 61.717 | nq    | 98       |
| 71) Phenanthrene               | 17.46 | 178  | 714851   | 30.775 | nq    | 99       |
| 72) Anthracene                 | 17.55 | 178  | 798347   | 34.428 | nq    | 99       |
| 73) Carbazole                  | 17.82 | 167  | 659592   | 31.916 | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.37 | 149  | 980790   | 40.147 | nq    | 98       |
| 75) Fluoranthene               | 19.47 | 202  | 822330   | 29.008 | nq    | 98       |
| 77) Benzidine                  | 19.65 | 184  | 341843   | 27.023 | nq    | 99       |
| 78) Pyrene                     | 19.83 | 202  | 818667   | 30.264 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.72 | 149  | 335299   | 31.514 | nq    | 98       |
| 81) Benzo(a)anthracene         | 21.67 | 228  | 820881   | 30.584 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.59 | 252  | 321850   | 29.816 | nq    | 99       |
| 83) Chrysene                   | 21.74 | 228  | 797063   | 30.793 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 478760   | 32.409 | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.80 | 149  | 865458   | 34.063 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.65 | 276  | 1251092  | 35.566 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 23.91 | 252  | 1136536  | 31.098 | nq    | # 96     |
| 89) Benzo(k)fluoranthene       | 23.98 | 252  | 1095926  | 31.197 | nq    | # 97     |
| 90) Benzo(a)pyrene             | 24.79 | 252  | 1115419  | 32.163 | nq    | # 97     |
| 91) Dibenzo(a,h)anthracene     | 28.71 | 278  | 1053902  | 30.014 | nq    | # 95     |
| 92) Benzo(g,h,i)perylene       | 29.82 | 276  | 952378   | 27.119 | nq    | # 93     |

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



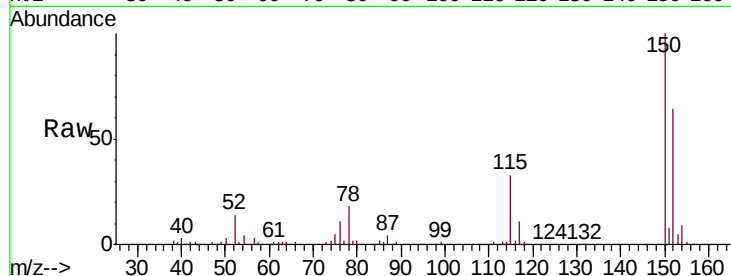


#1

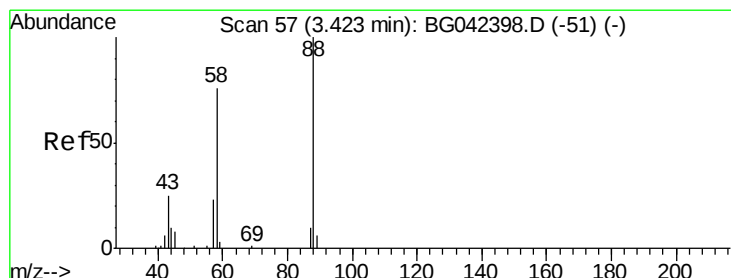
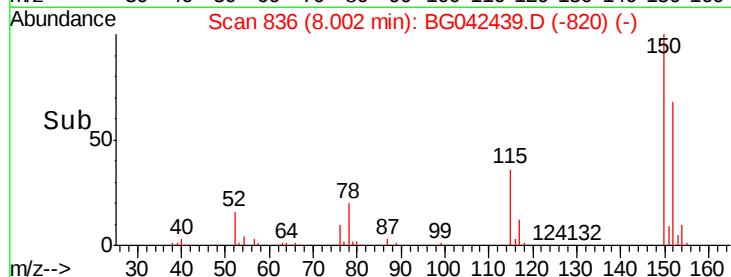
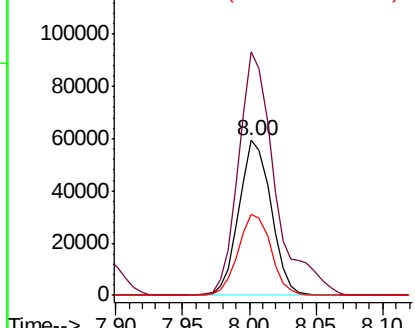
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

Tot Ion:152 Resp: 99470  
Ion Ratio Lower Upper  
152 100  
150 157.3 125.4 188.0  
115 52.4 38.5 57.7



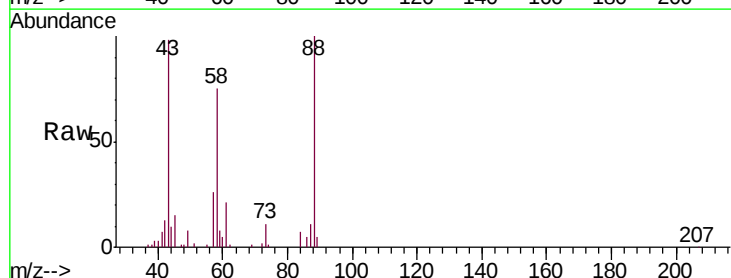
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



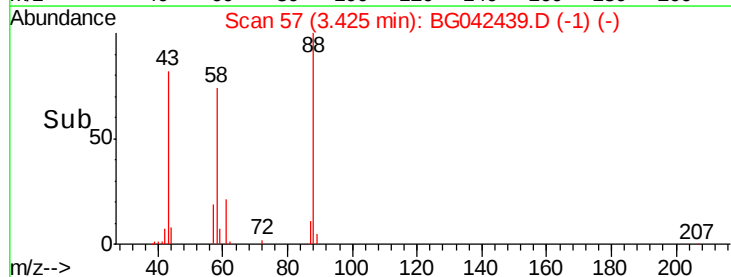
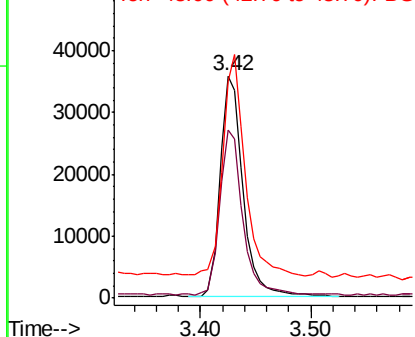
#2

1,4-Dioxane  
Concen: 25.253 ng  
RT: 3.42 min Scan# 57  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Tgt Ion: 88 Resp: 51759  
Ion Ratio Lower Upper  
88 100  
58 74.4 58.3 87.5  
43 97.1 20.2 30.2#



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





#3

Pvridine

Concen: 16.794 ng

RT: 3.84 min Scan# 128

Delta R.T. 0.01 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

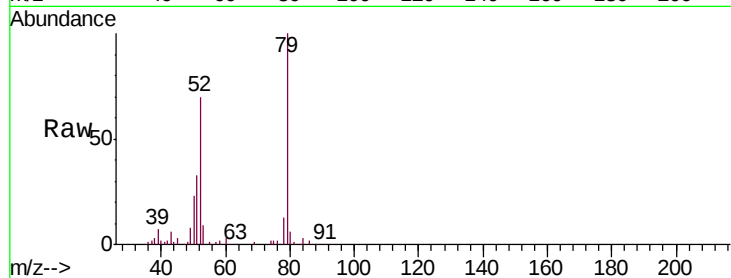
Tot Ion: 79 Resp: 88266

Ion Ratio Lower Upper

79 100

52 69.8 57.7 86.5

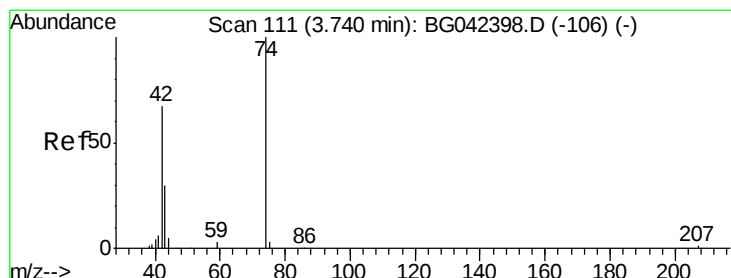
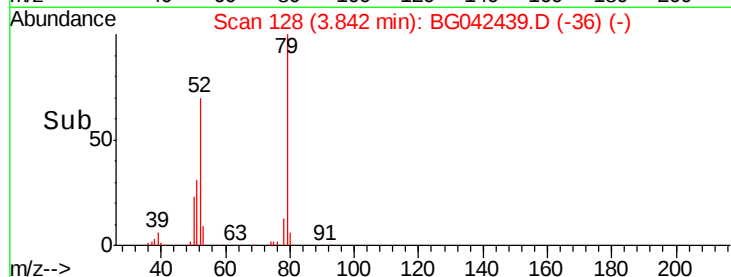
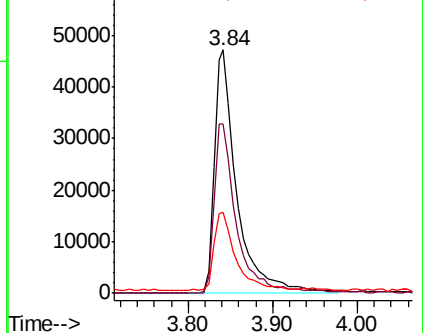
51 33.3 28.8 43.2



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 28.274 ng

RT: 3.74 min Scan# 111

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

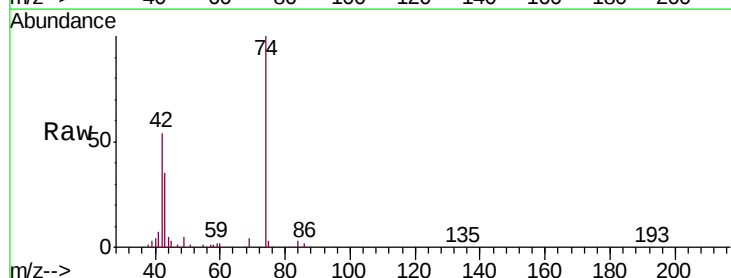
Tgt Ion: 42 Resp: 53075

Ion Ratio Lower Upper

42 100

74 184.5 119.6 179.4#

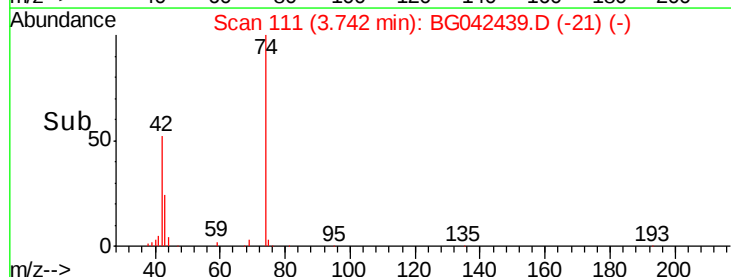
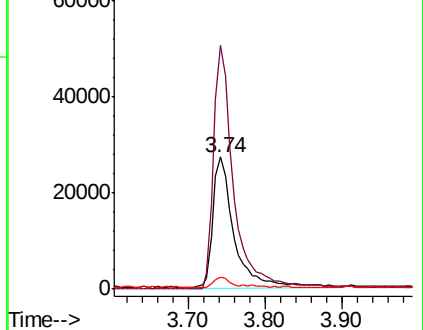
44 8.8 6.5 9.7

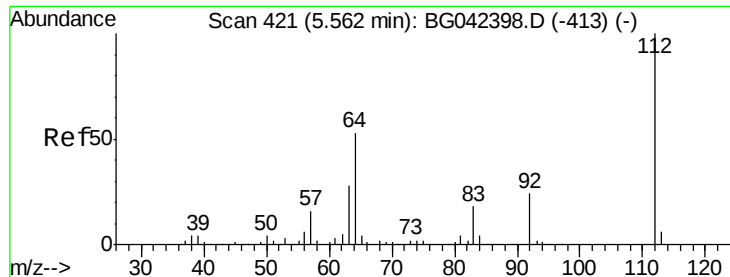


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 101.212 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

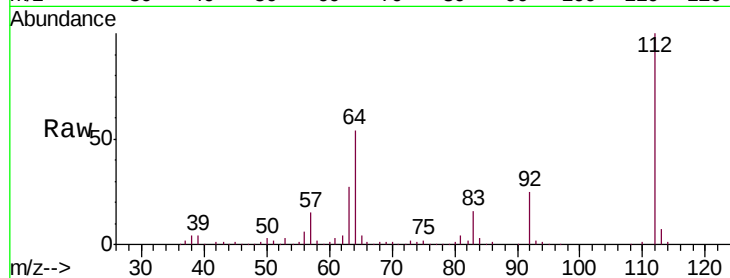
Tot Ion:112 Resp: 497090

Ion Ratio Lower Upper

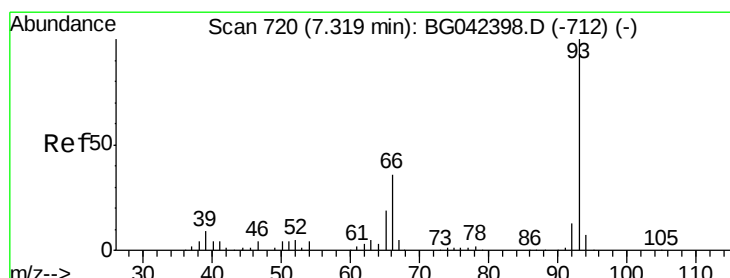
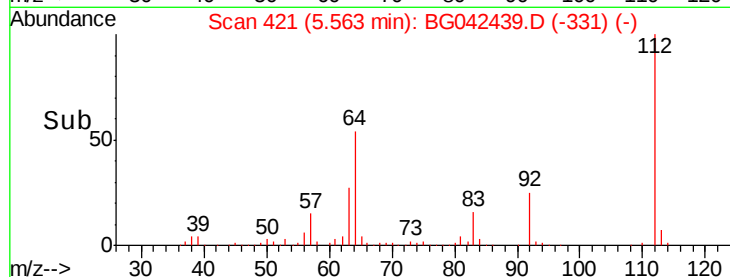
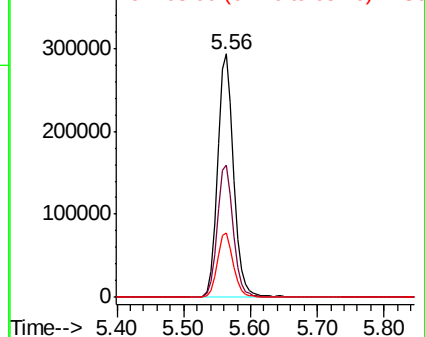
112 100

64 54.5 42.8 64.2

63 26.6 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 18.926 ng

RT: 7.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

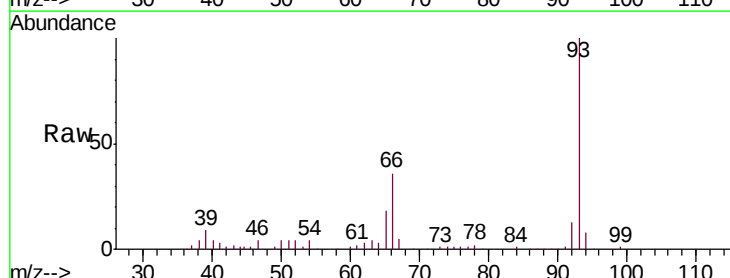
Tgt Ion: 93 Resp: 167471

Ion Ratio Lower Upper

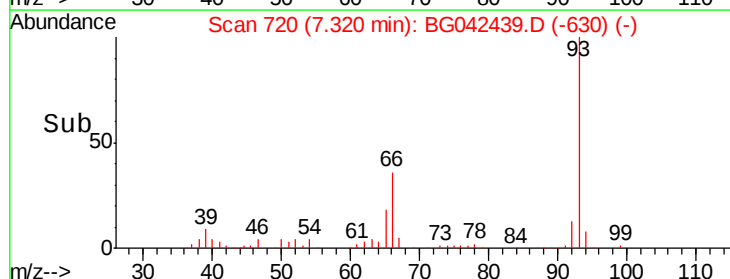
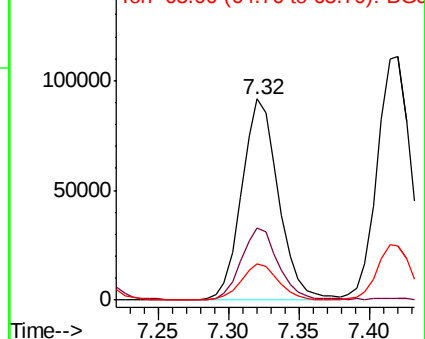
93 100

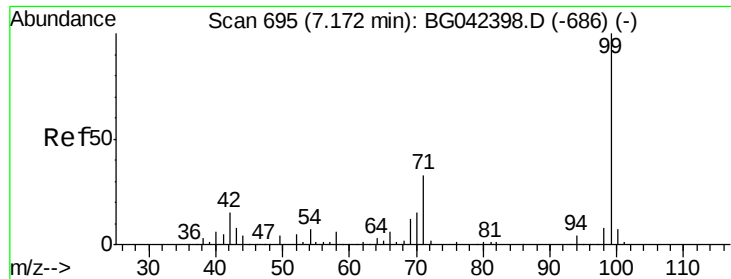
66 35.8 29.0 43.6

65 18.1 15.2 22.8



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 95.291 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

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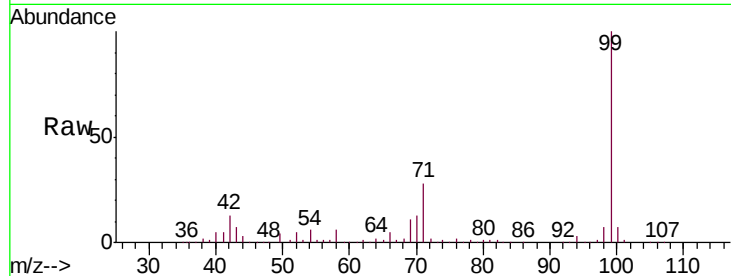
Tot Ion: 99 Resp: 632181

Ion Ratio Lower Upper

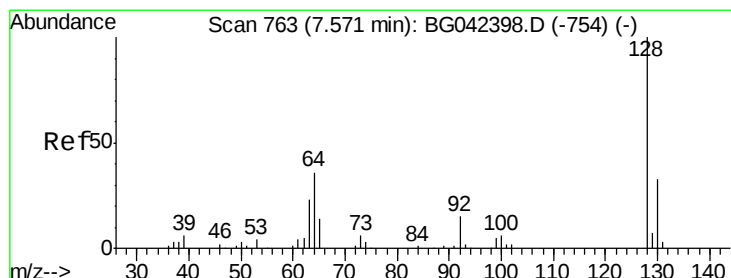
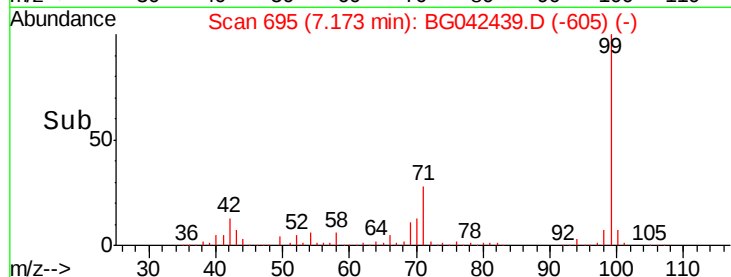
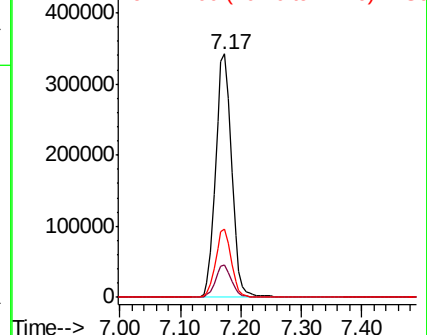
99 100

42 13.3 12.0 18.0

71 27.9 26.3 39.5



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



#8

2-Chlorophenol

Concen: 33.962 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

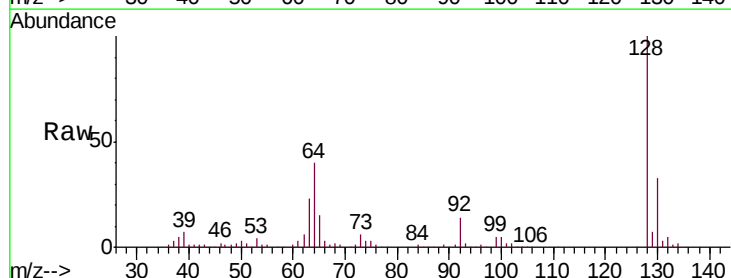
Tgt Ion: 128 Resp: 202148

Ion Ratio Lower Upper

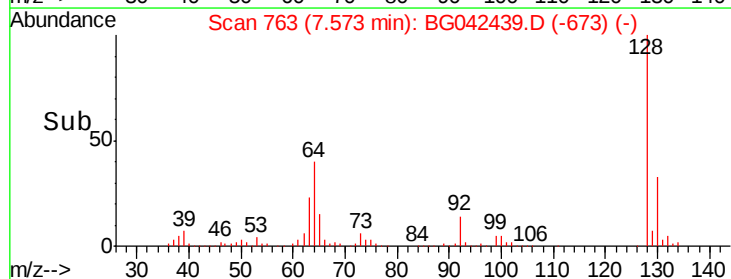
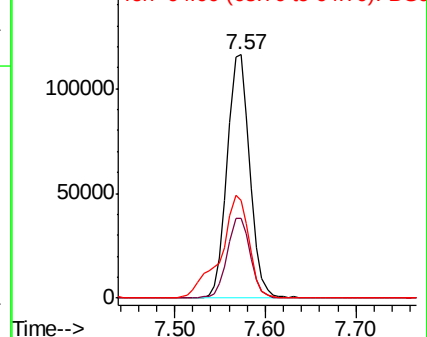
128 100

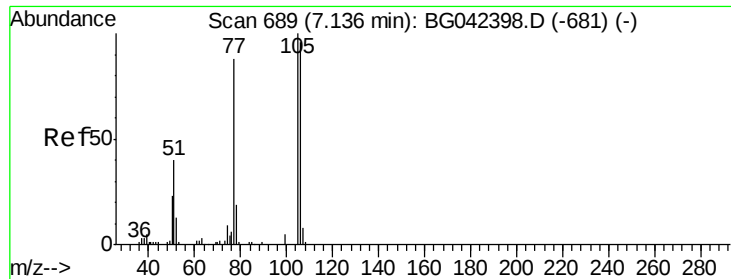
130 32.9 12.8 52.8

64 40.3 19.2 59.2



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): BGC





#9

Benzaldehyde

Concen: 23.812 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

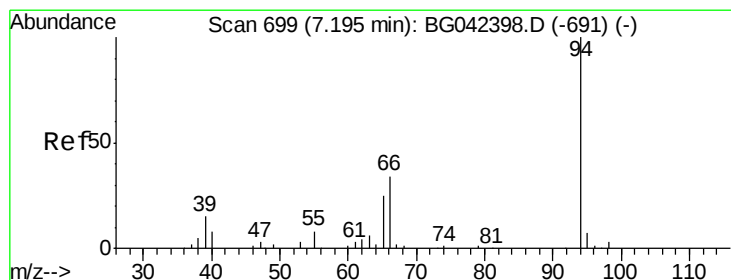
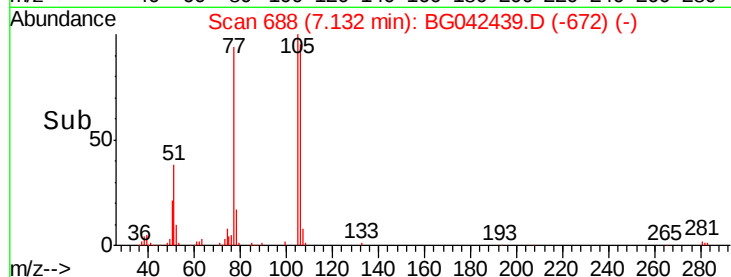
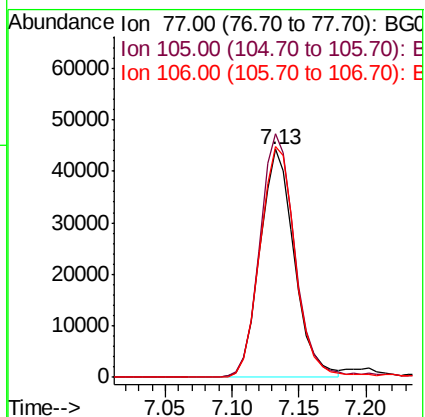
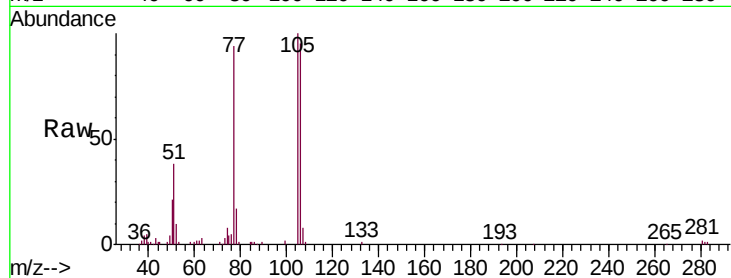
Tot Ion: 77 Resp: 79088

Ion Ratio Lower Upper

77 100

105 106.9 93.4 133.4

106 101.2 88.4 128.4



#10

Phenol

Concen: 31.160 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

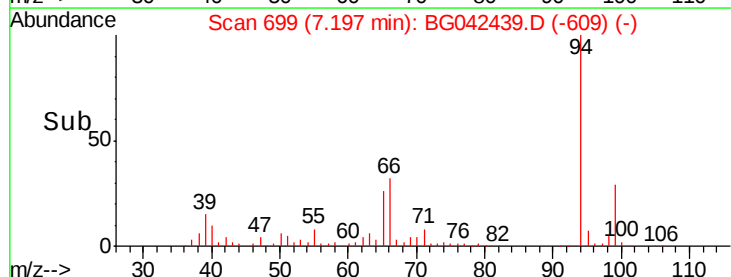
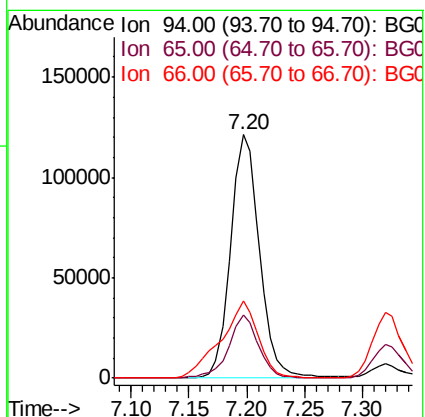
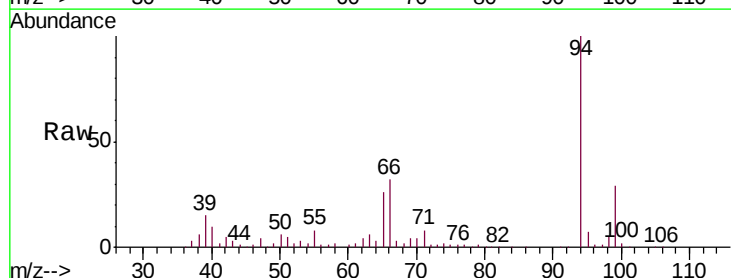
Tgt Ion: 94 Resp: 210185

Ion Ratio Lower Upper

94 100

65 25.8 5.6 45.6

66 31.8 16.0 56.0

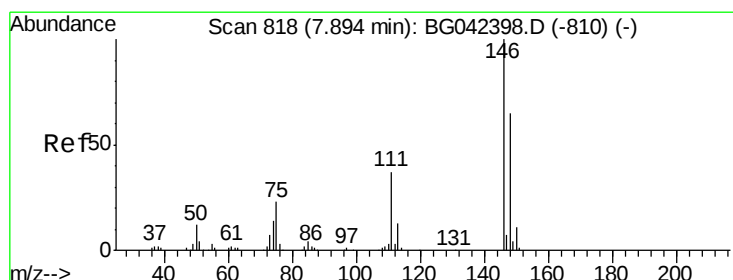
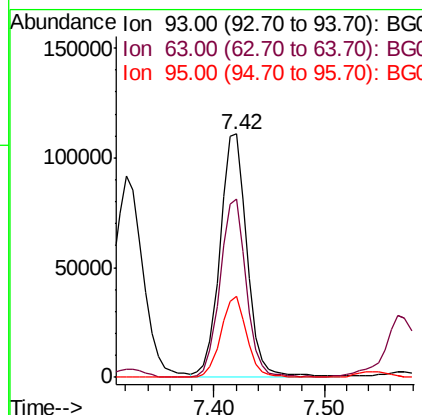
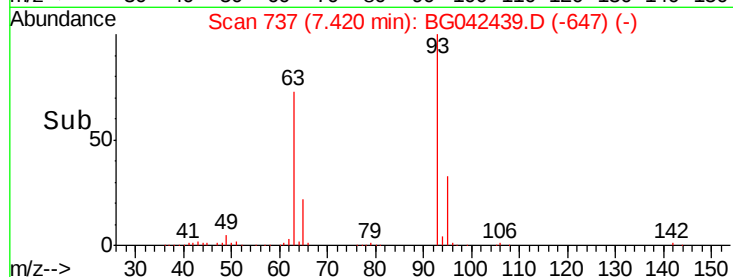
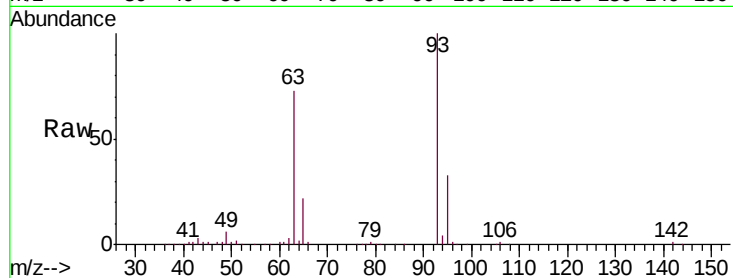




#11  
bis(2-Chloroethyl)ether  
Concen: 35.795 ng  
RT: 7.42 min Scan# 737  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

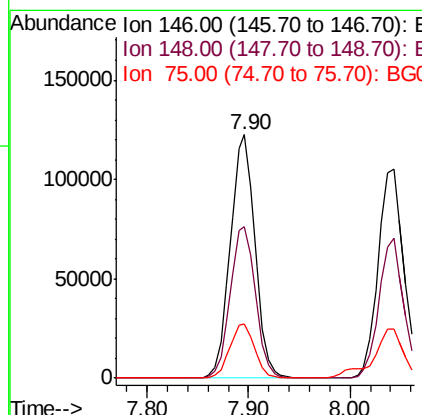
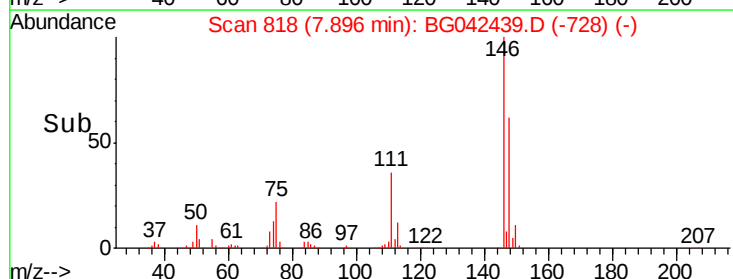
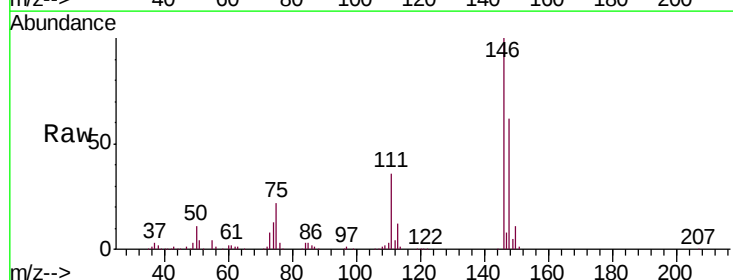
Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

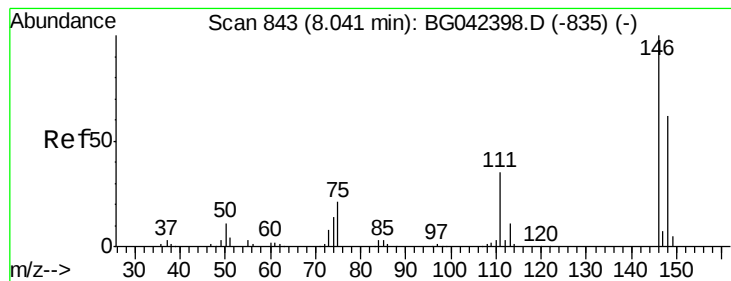
| Tot Ion   | 93    | Resp  | 189624 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 73.1  | 53.8  | 93.8   |
| 95        | 33.2  | 13.1  | 53.1   |



#12  
1,3-Dichlorobenzene  
Concen: 27.234 ng  
RT: 7.90 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

| Tgt Ion   | 146   | Resp  | 206215 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.4  | 52.2  | 78.2   |
| 75        | 22.4  | 18.0  | 27.0   |





#13

1,4-Dichlorobenzene

Concen: 23.930 ng

RT: 8.04 min Scan# 843

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

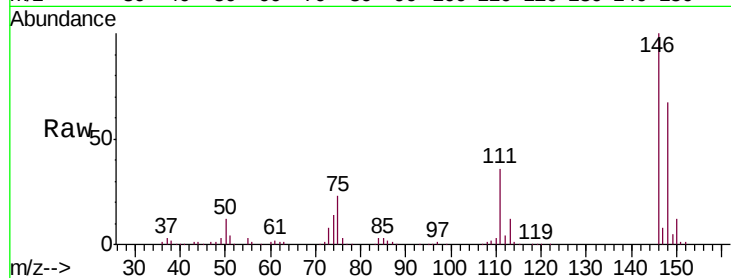
Tot Ion:146 Resp: 183544

Ion Ratio Lower Upper

146 100

148 66.8 49.5 74.3

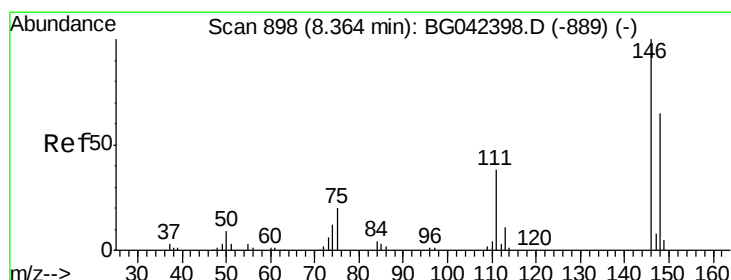
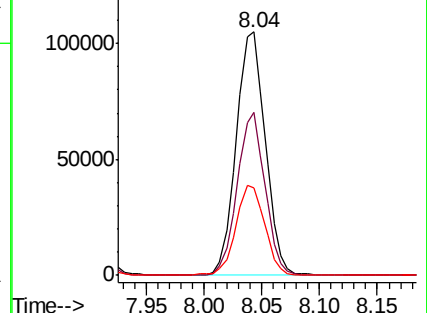
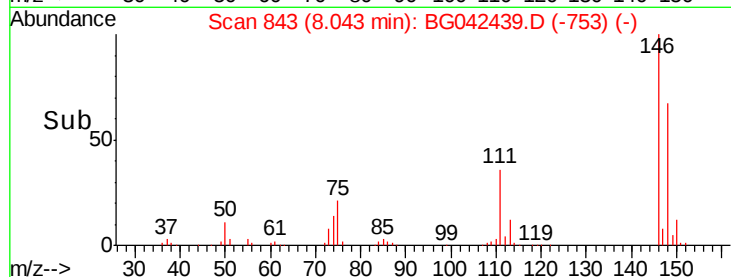
111 35.8 28.1 42.1



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



#14

1,2-Dichlorobenzene

Concen: 22.808 ng

RT: 8.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

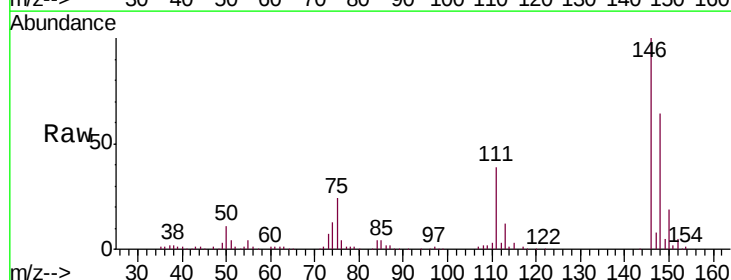
Tgt Ion:146 Resp: 167524

Ion Ratio Lower Upper

146 100

148 64.4 51.8 77.6

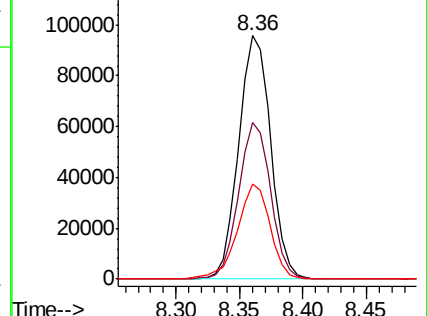
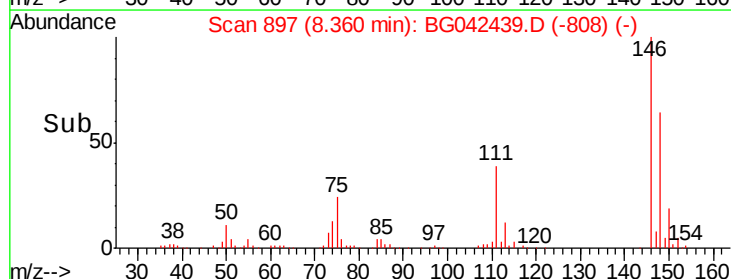
111 38.9 30.9 46.3

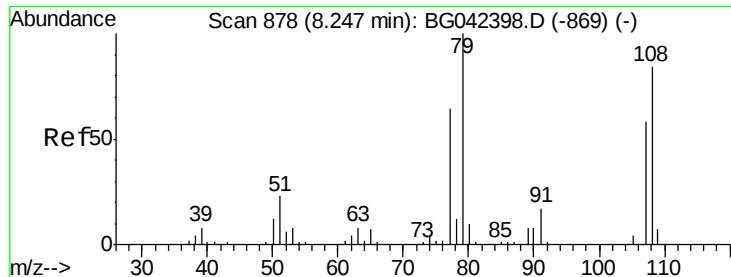


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 25.011 ng

RT: 8.24 min Scan# 877

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

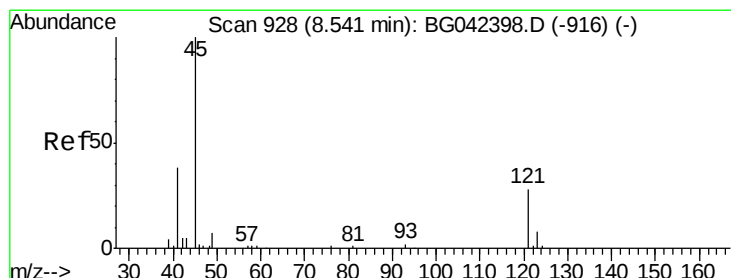
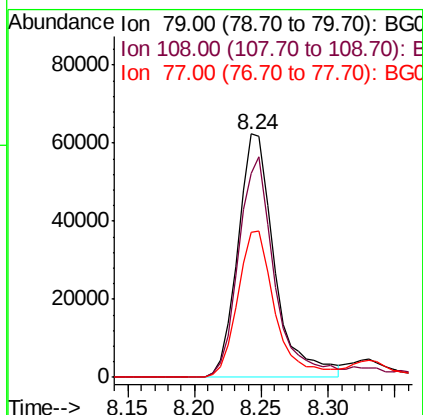
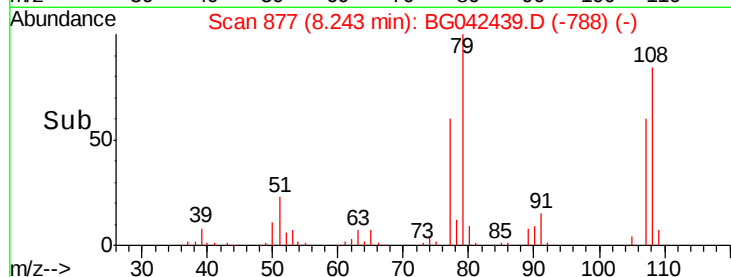
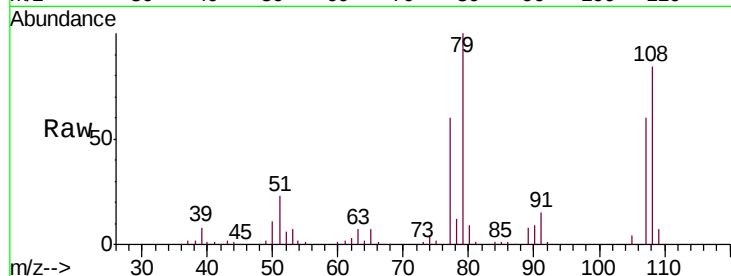
Tot Ion: 79 Resp: 119377

Ion Ratio Lower Upper

79 100

108 83.7 67.4 101.2

77 59.5 50.8 76.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 25.843 ng

RT: 8.54 min Scan# 927

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

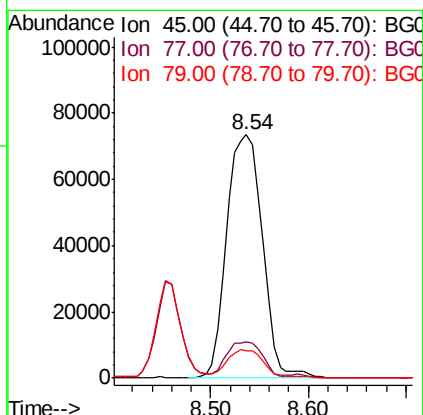
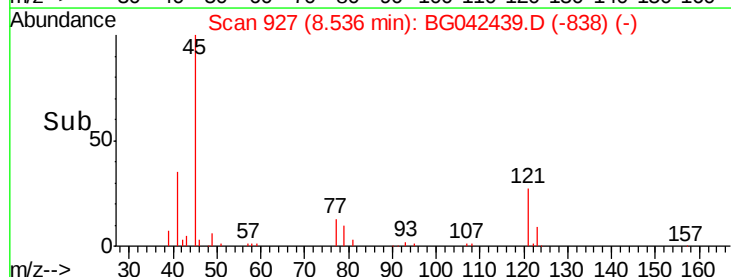
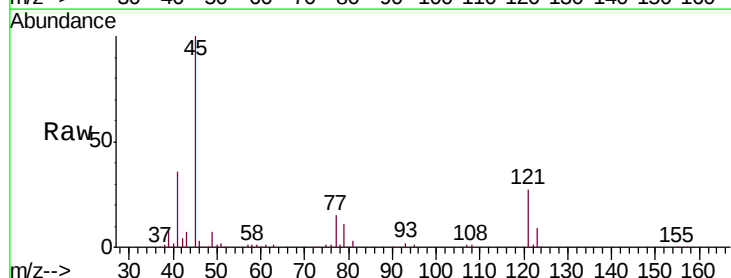
Tgt Ion: 45 Resp: 185554

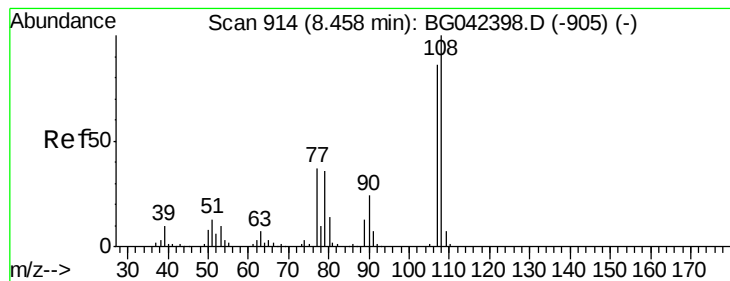
Ion Ratio Lower Upper

45 100

77 14.9 0.0 35.6

79 11.3 0.0 31.6





#17

2-Methylphenol

Concen: 26.148 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

Tot Ion:107 Resp: 129911

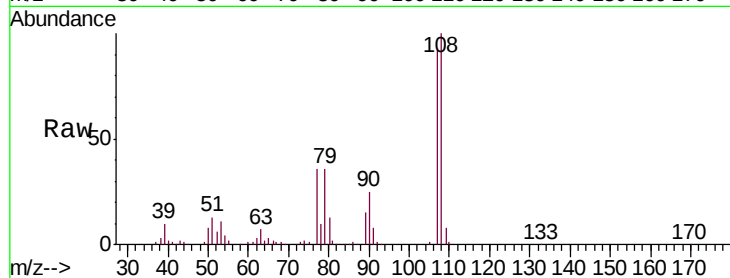
Ion Ratio Lower Upper

107 100

108 107.9 92.9 139.3

77 38.6 34.4 51.6

79 38.7 33.8 50.6

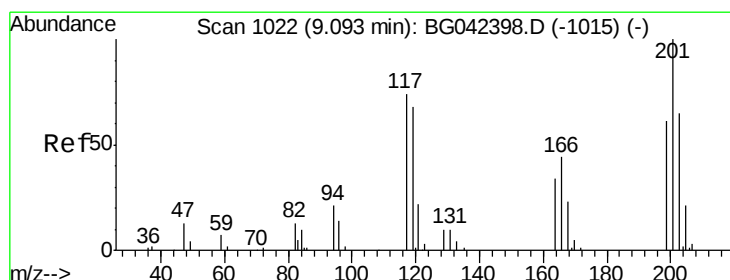
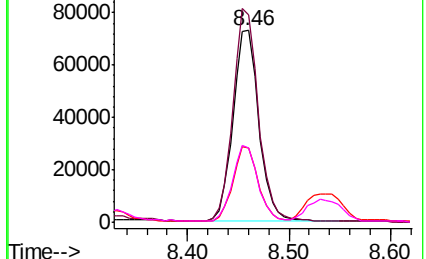
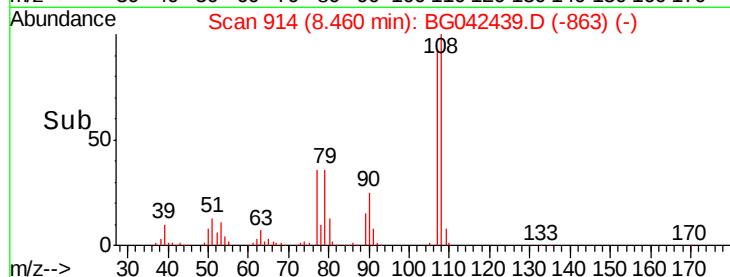


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 24.662 ng

RT: 9.09 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

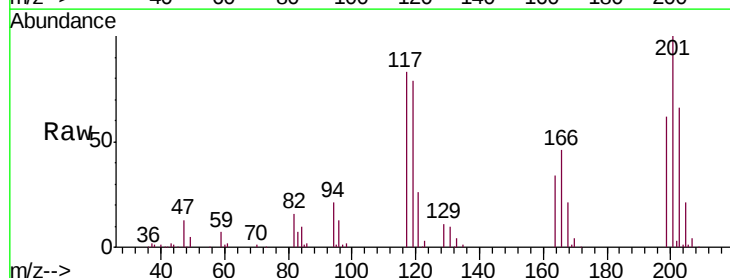
Tgt Ion:117 Resp: 64755

Ion Ratio Lower Upper

117 100

119 95.3 73.8 110.8

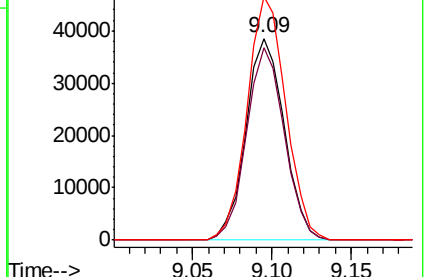
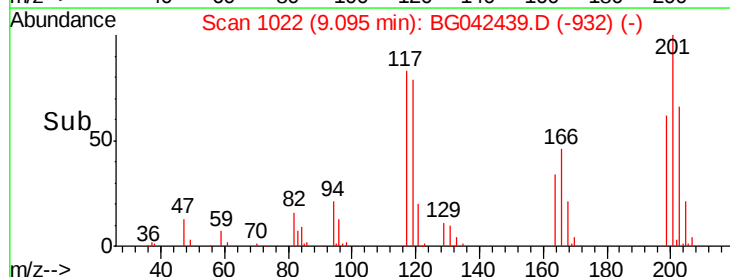
201 120.6 108.3 162.5



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

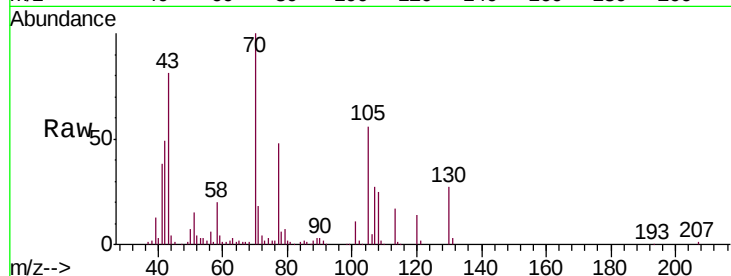




#19  
n-Nitroso-di-n-propylamine  
Concen: 26.546 ng  
RT: 8.81 min Scan# 974  
Delta R.T. -0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 114096 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 48.7  | 38.8  | 58.2   |
| 101      | 11.5  | 9.0   | 13.6   |
| 130      | 26.9  | 20.0  | 30.0   |



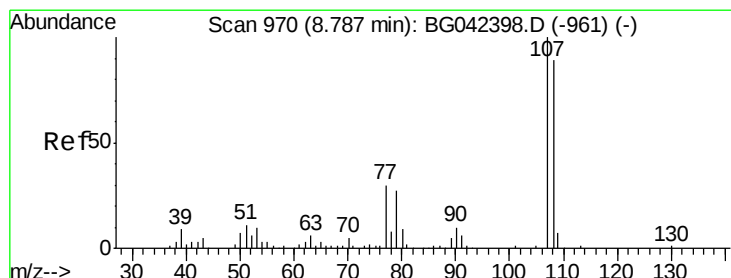
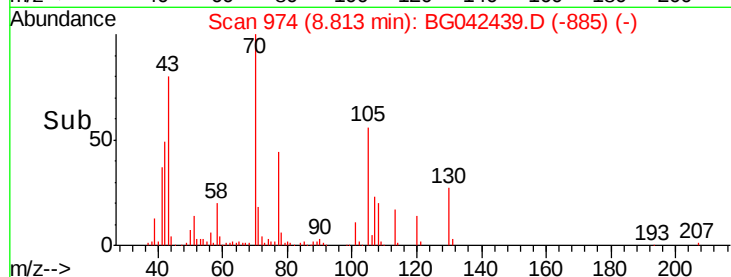
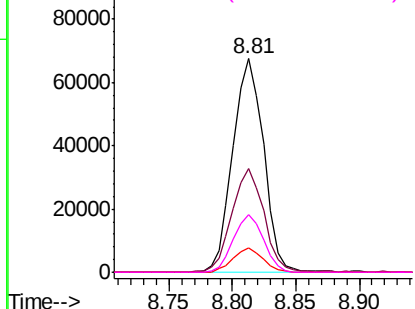
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

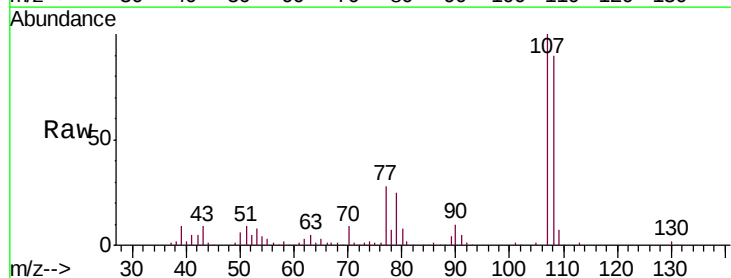
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20  
3+4-Methylphenols  
Concen: 26.523 ng  
RT: 8.79 min Scan# 970  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 182340 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.4  | 68.7  | 108.7  |
| 77       | 27.7  | 10.2  | 50.2   |
| 79       | 24.8  | 6.9   | 46.9   |



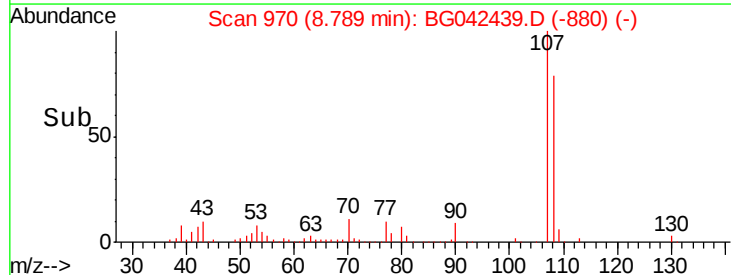
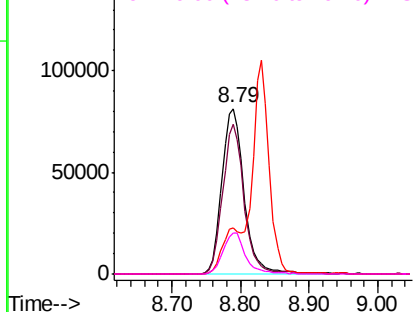
Abundance

Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

Tot Ion:136 Resp: 363927

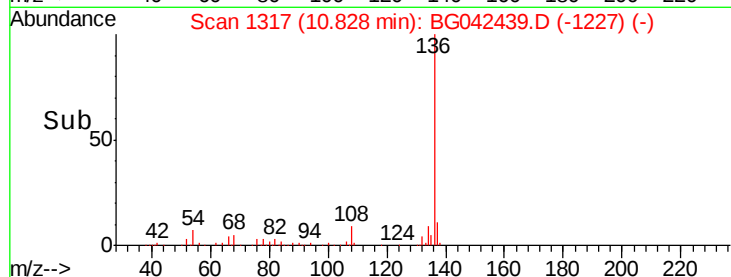
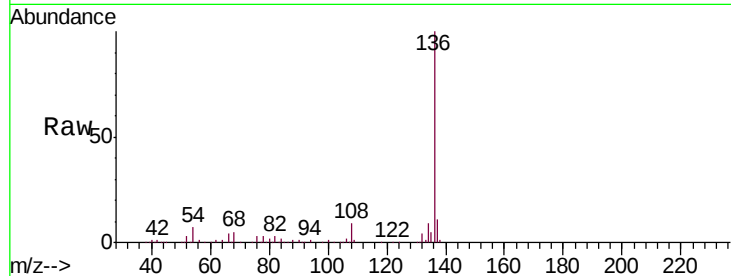
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 7.2 4.9 7.3

68 5.4 3.6 5.4

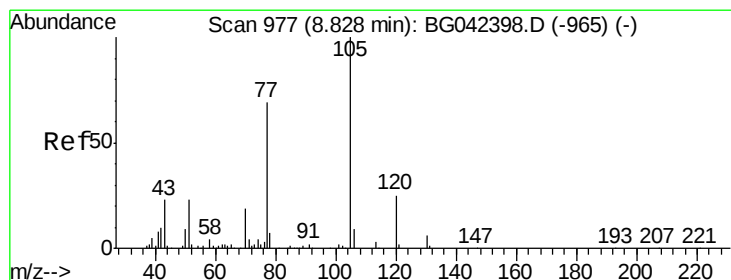
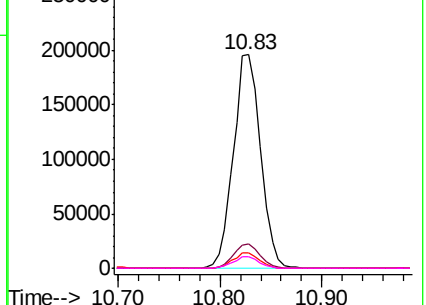


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 31.540 ng

RT: 8.83 min Scan# 977

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Tgt Ion:105 Resp: 245497

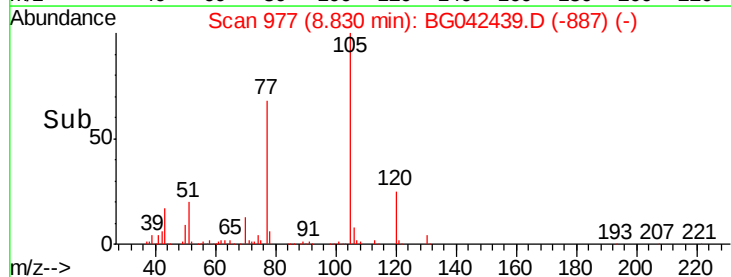
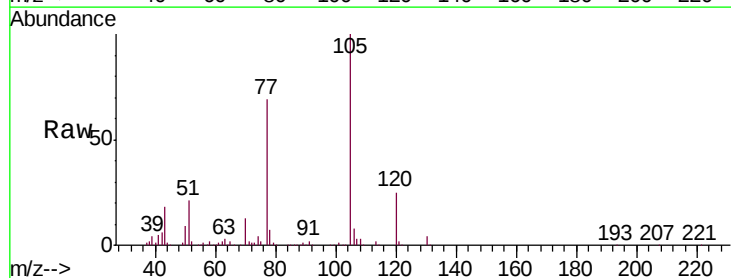
Ion Ratio Lower Upper

105 100

71 2.3 2.8 4.2#

51 20.6 18.7 28.1

120 24.6 20.1 30.1

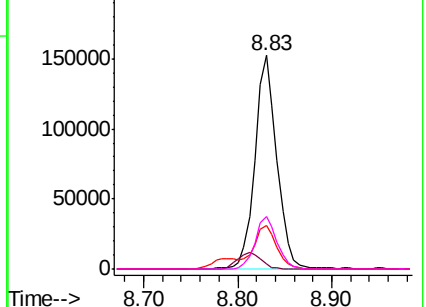


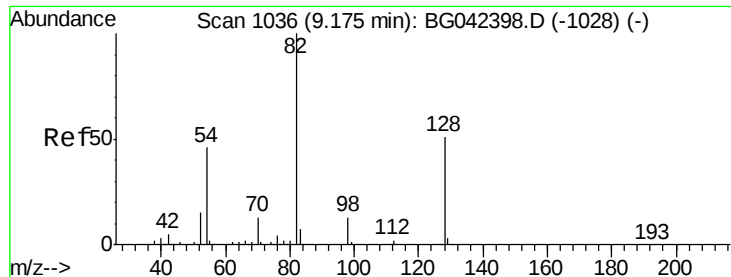
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

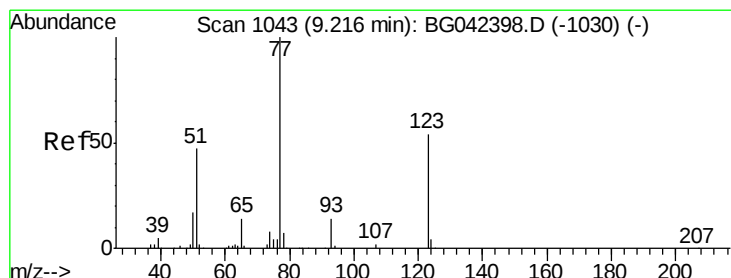
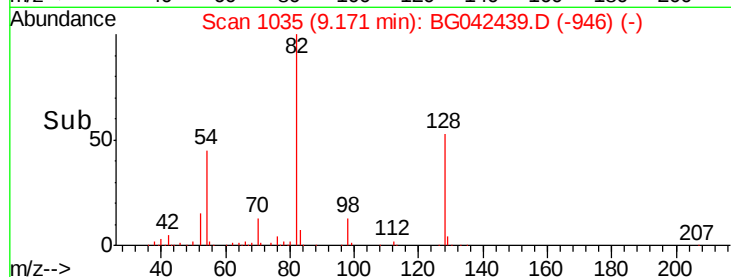
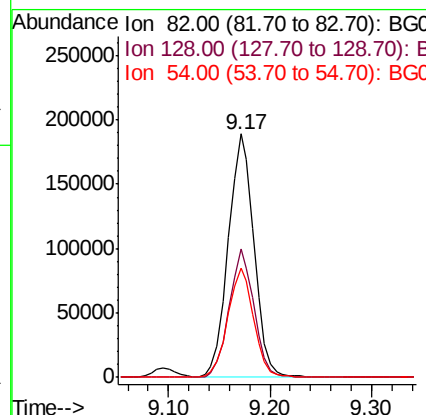
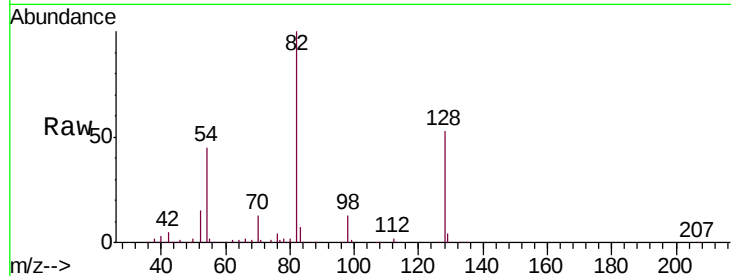




#23  
 Nitrobenzene-d5  
 Concen: 62.730 ng  
 RT: 9.17 min Scan# 1035  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

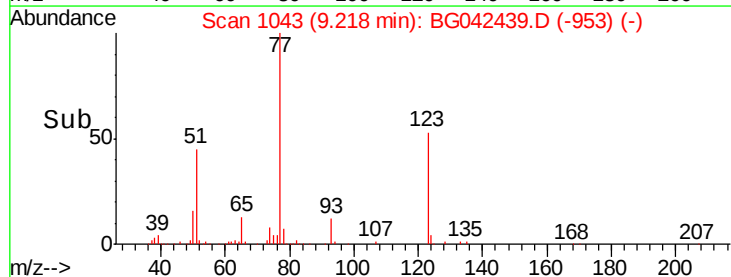
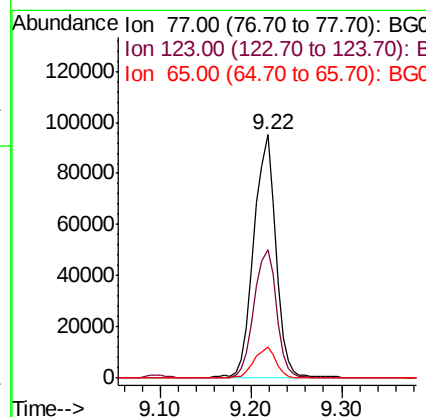
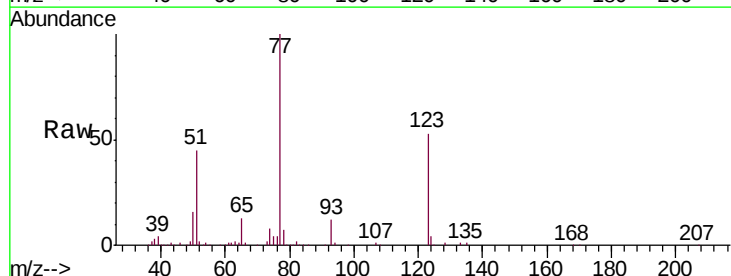
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

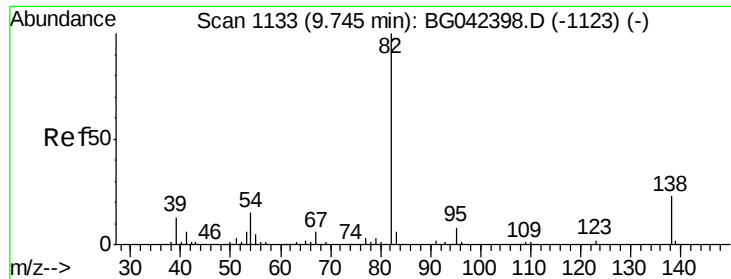
| Tot Ion   | 82    | Resp  | 330360 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 52.8  | 40.7  | 61.1   |
| 54        | 44.9  | 36.3  | 54.5   |



#24  
 Nitrobenzene  
 Concen: 30.274 ng  
 RT: 9.22 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

| Tgt Ion   | 77    | Resp  | 161448 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 52.7  | 43.4  | 65.0   |
| 65        | 12.5  | 11.0  | 16.6   |





#25

Isophorone

Concen: 30.756 ng

RT: 9.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

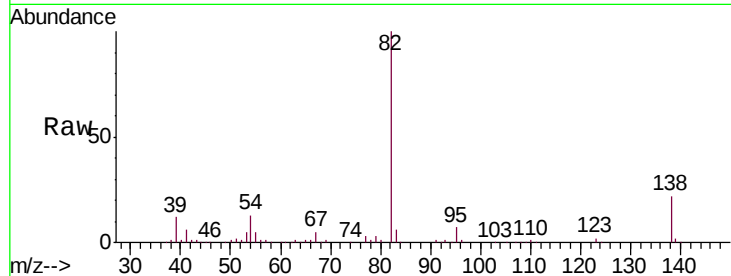
Tot Ion: 82 Resp: 319655

Ion Ratio Lower Upper

82 100

95 7.4 6.6 9.8

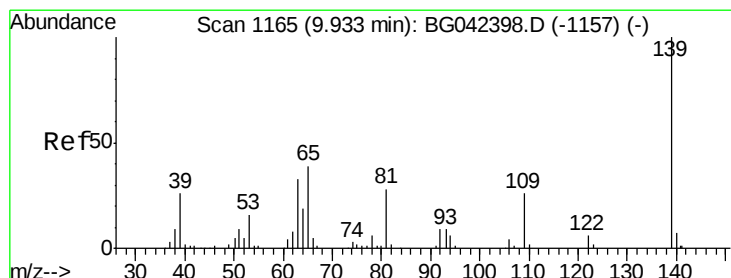
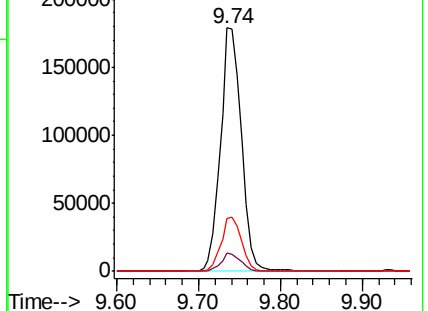
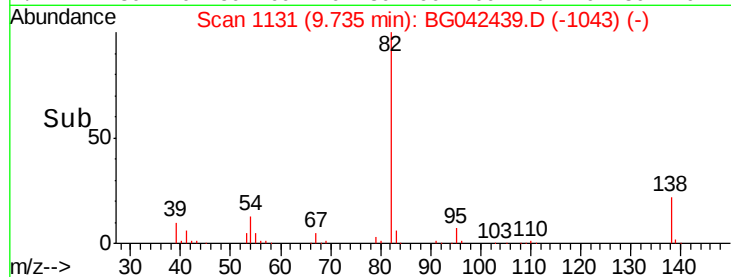
138 21.6 18.6 27.8



Abundance Ion 82.00 (81.70 to 82.70): BG042439.D (-1123) (-)

Ion 95.00 (94.70 to 95.70): BG042439.D (-1123) (-)

Ion 138.00 (137.70 to 138.70): BG042439.D (-1123) (-)



#26

2-Nitrophenol

Concen: 28.057 ng

RT: 9.93 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

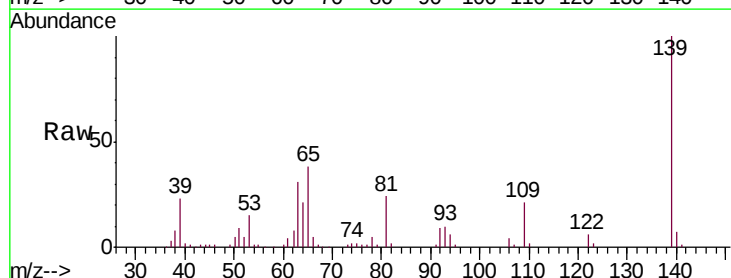
Tgt Ion: 139 Resp: 93765

Ion Ratio Lower Upper

139 100

109 21.3 20.5 30.7

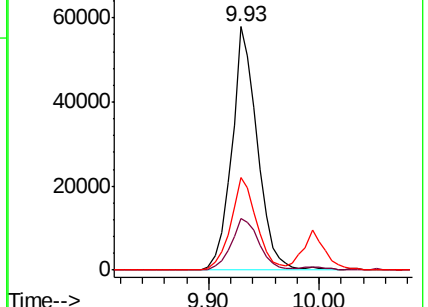
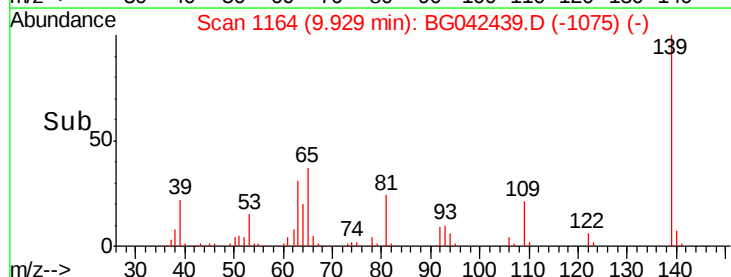
65 37.8 30.9 46.3

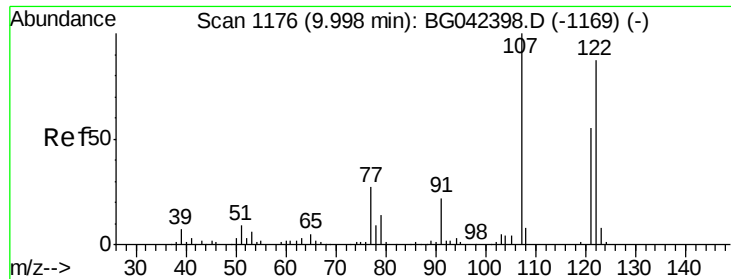


Abundance Ion 139.00 (138.70 to 139.70): BG042439.D (-1075) (-)

Ion 109.00 (108.70 to 109.70): BG042439.D (-1075) (-)

Ion 65.00 (64.70 to 65.70): BG042439.D (-1075) (-)

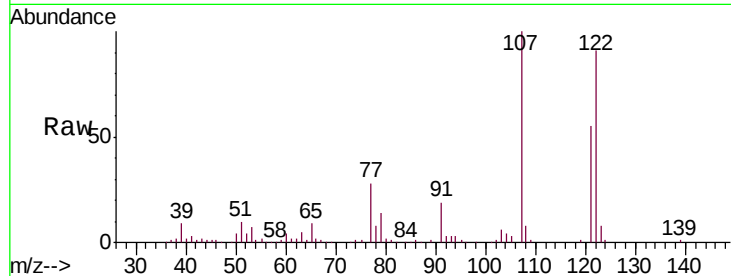




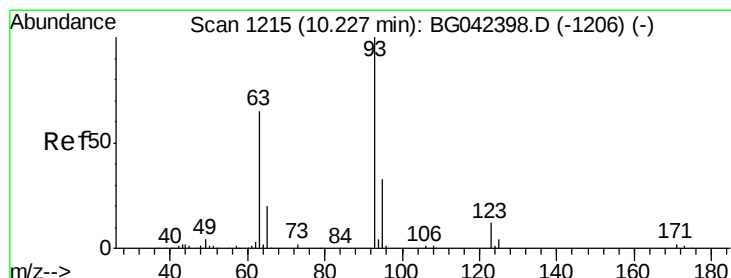
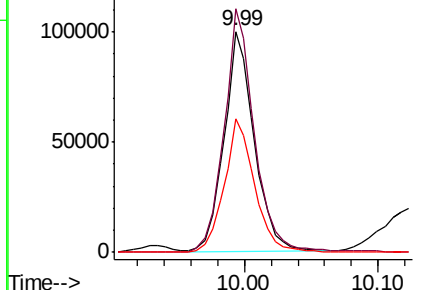
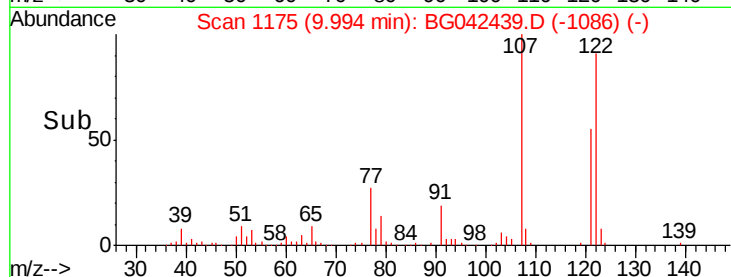
#27  
 2,4-Dimethylphenol  
 Concen: 34.163 ng  
 RT: 9.99 min Scan# 1175  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

Tot Ion:122 Resp: 157273  
 Ion Ratio Lower Upper  
 122 100  
 107 110.1 90.8 136.2  
 121 60.2 49.6 74.4

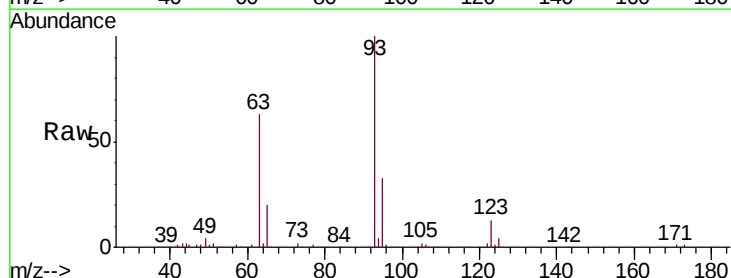


Abundance Ion 122.00 (121.70 to 122.70): E  
 150000 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

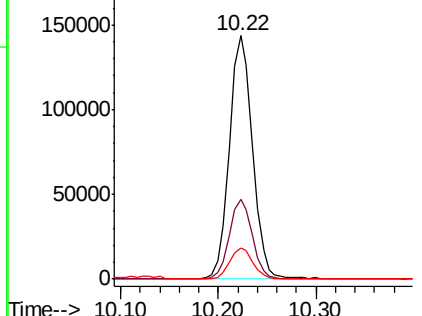
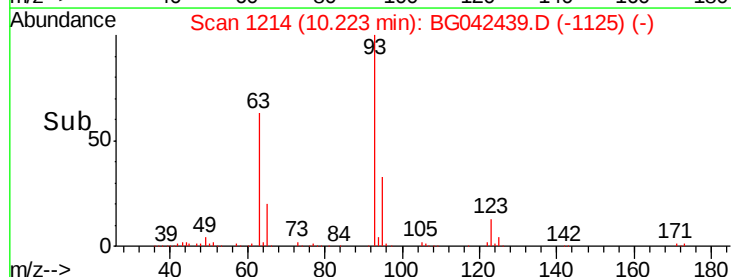


#28  
 bis(2-Chloroethoxy)methane  
 Concen: 36.089 ng  
 RT: 10.22 min Scan# 1214  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Tgt Ion: 93 Resp: 236406  
 Ion Ratio Lower Upper  
 93 100  
 95 32.6 26.6 40.0  
 123 12.8 10.1 15.1



Abundance Ion 93.00 (92.70 to 93.70): BGC  
 200000 Ion 95.00 (94.70 to 95.70): BGC  
 Ion 123.00 (122.70 to 123.70): E

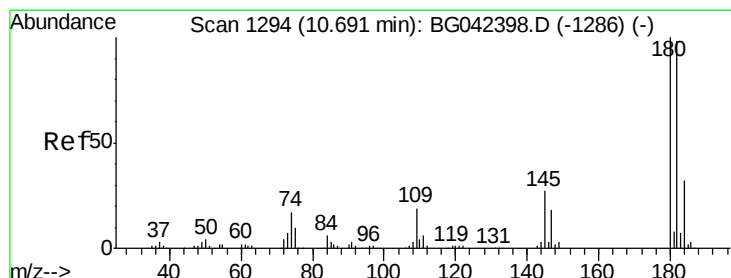
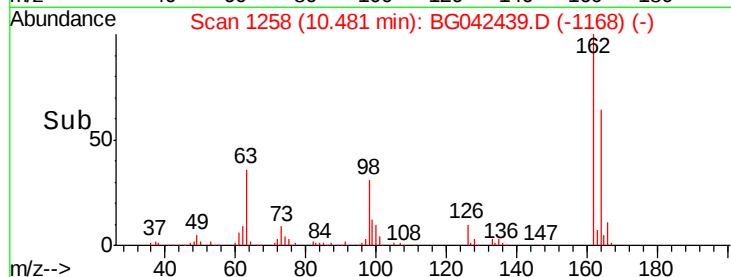
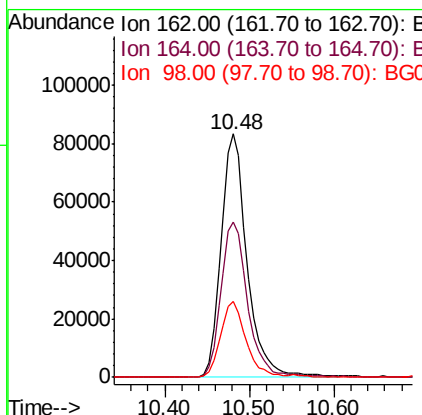
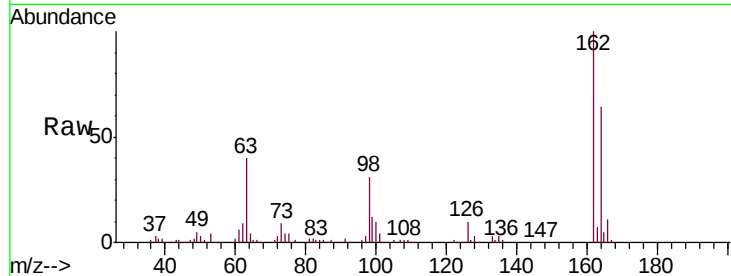




#29  
 2,4-Dichlorophenol  
 Concen: 29.538 ng  
 RT: 10.48 min Scan# 1258  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

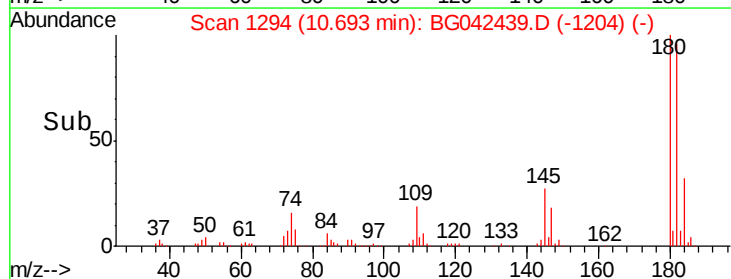
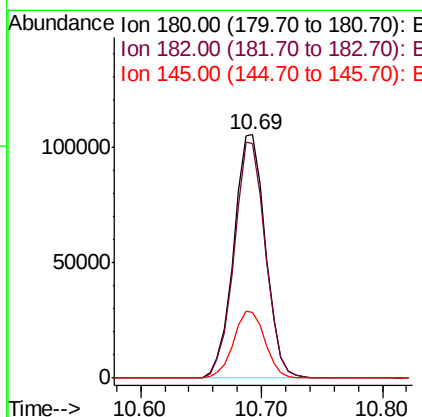
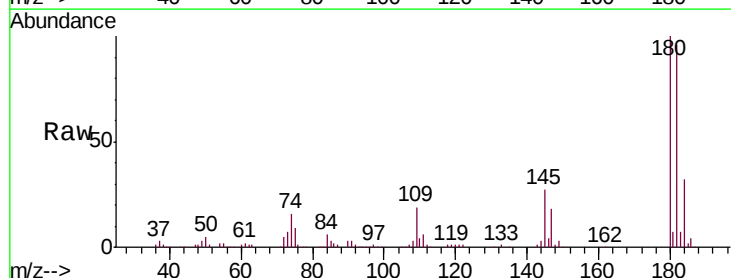
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 48.1  | 88.1  |
| 98      | 31.3  | 7.6   | 47.6  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 26.045 ng  
 RT: 10.69 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 78.7  | 118.1 |
| 145     | 27.0  | 21.6  | 32.4  |

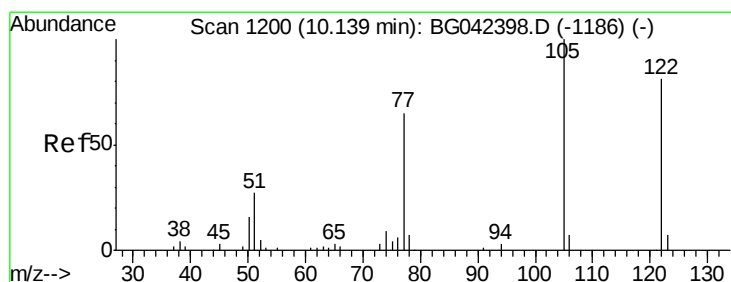
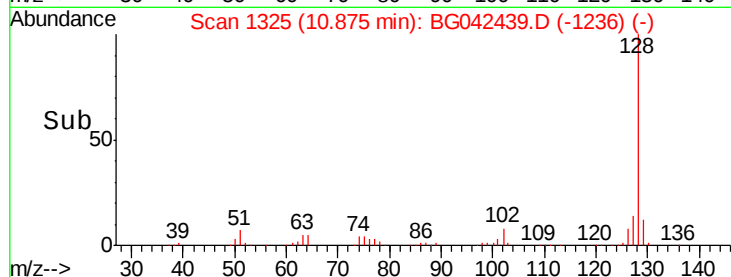
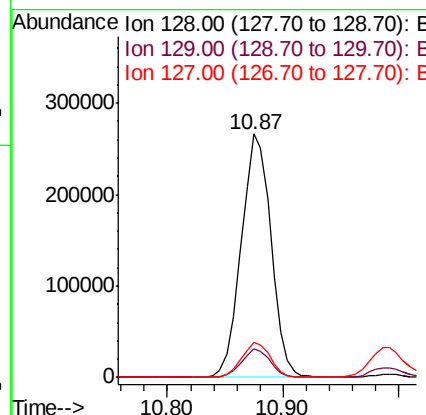
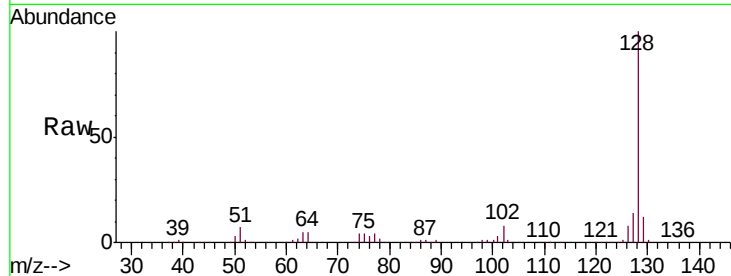




#31  
Naphthalene  
Concen: 28.104 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

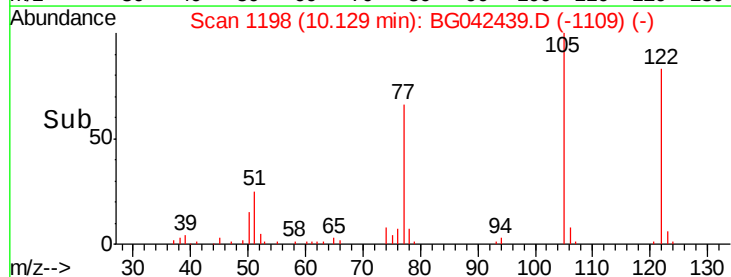
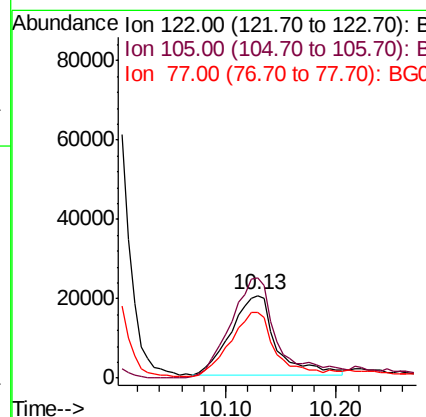
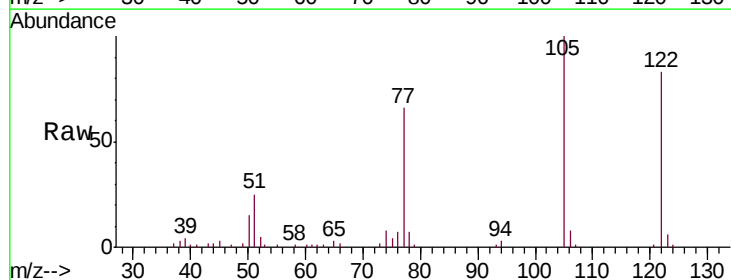
Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

Tot Ion:128 Resp: 474848  
Ion Ratio Lower Upper  
128 100  
129 11.8 8.8 13.2  
127 14.1 11.4 17.0



#32  
Benzoic acid  
Concen: 22.201 ng  
RT: 10.13 min Scan# 1198  
Delta R.T. -0.01 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Tgt Ion:122 Resp: 56495  
Ion Ratio Lower Upper  
122 100  
105 120.3 99.6 139.6  
77 79.0 59.5 99.5

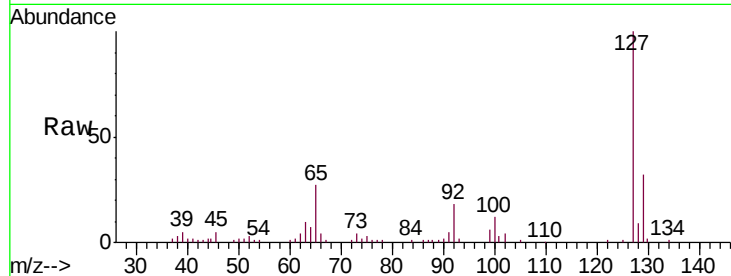




#33  
4-Chloroaniline  
Concen: 9.471 ng  
RT: 10.99 min Scan# 1345  
Delta R.T. 0.01 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 73872     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.8  | 26.8 40.2 |
| 65          | 26.6  | 20.7 31.1 |
| 92          | 17.8  | 13.6 20.4 |



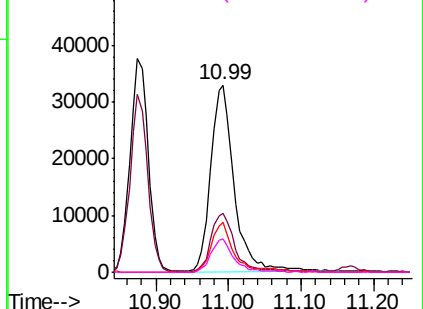
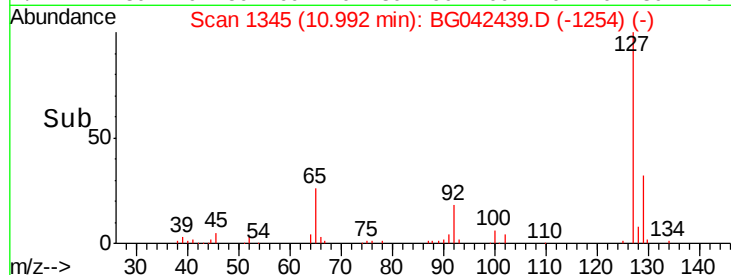
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

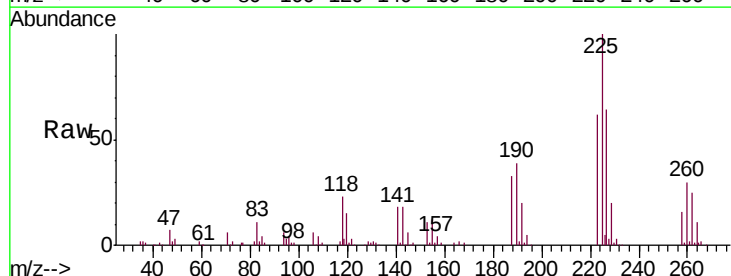
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 22.869 ng  
RT: 11.17 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 113624    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 61.9  | 49.8 74.6 |
| 227         | 63.9  | 50.9 76.3 |

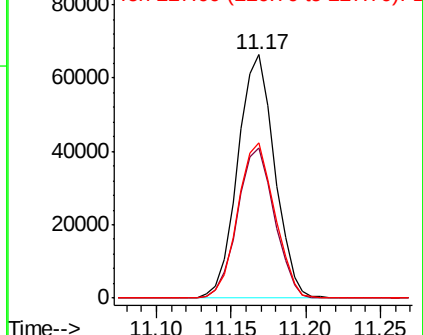
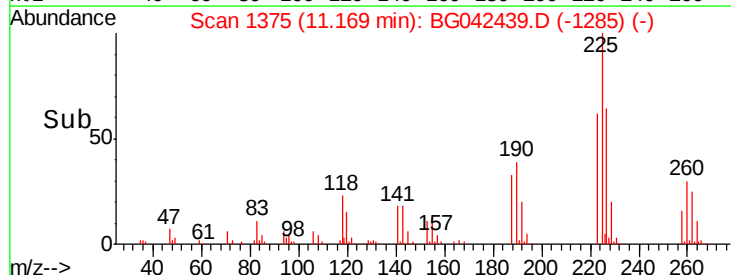


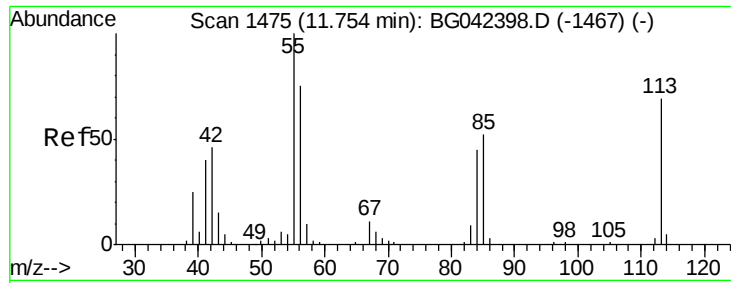
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 21.453 ng

RT: 11.75 min Scan# 1474

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

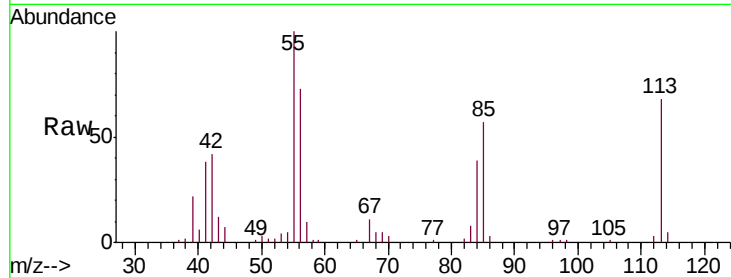
Tot Ion:113 Resp: 43115

Ion Ratio Lower Upper

113 100

55 147.6 124.6 164.6

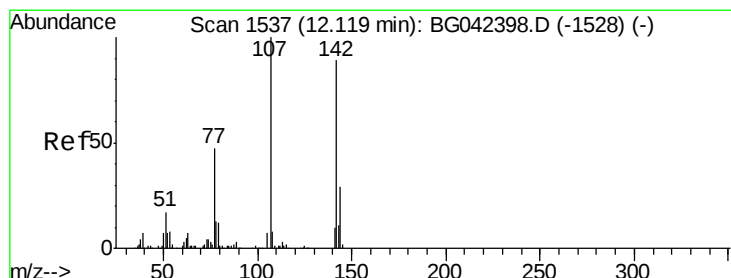
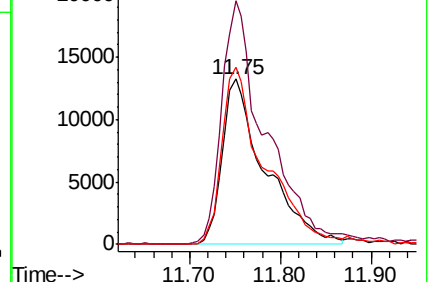
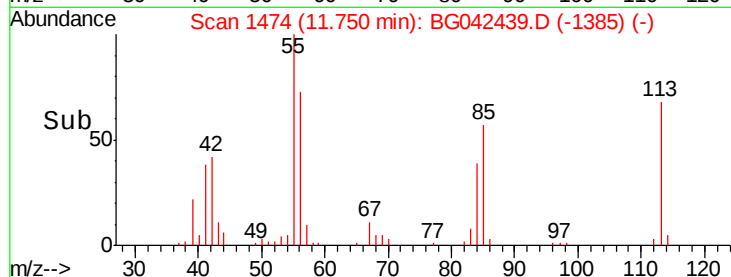
56 107.5 88.3 128.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 28.027 ng

RT: 12.12 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

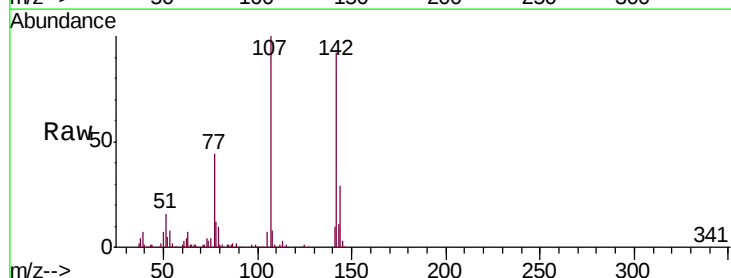
Tgt Ion:107 Resp: 160251

Ion Ratio Lower Upper

107 100

144 29.3 23.6 35.4

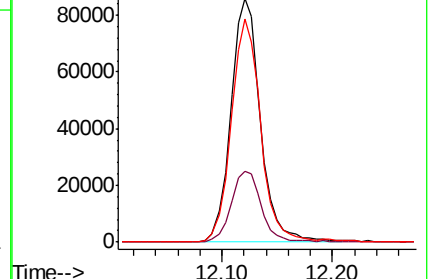
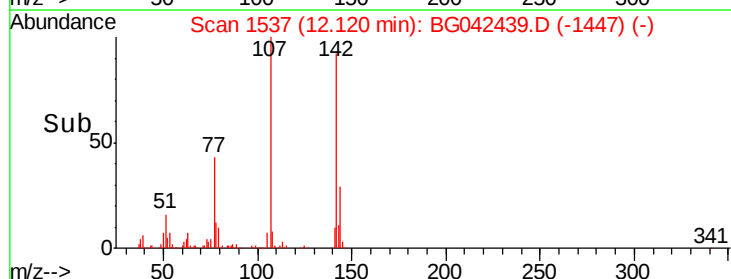
142 91.6 71.0 106.4

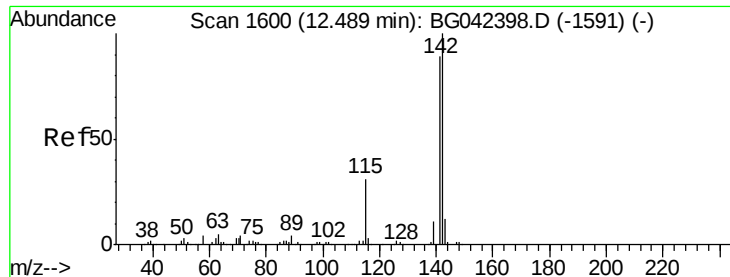


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

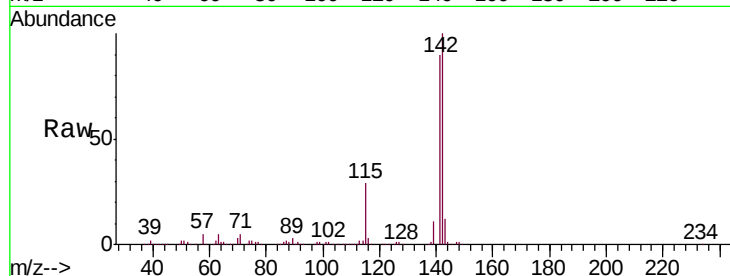




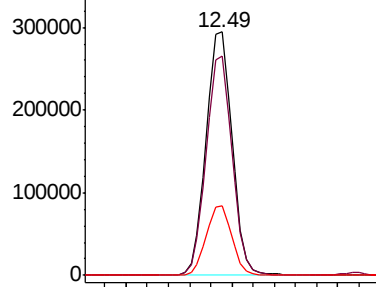
#37  
 2-Methylnaphthalene  
 Concen: 36.994 ng  
 RT: 12.49 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

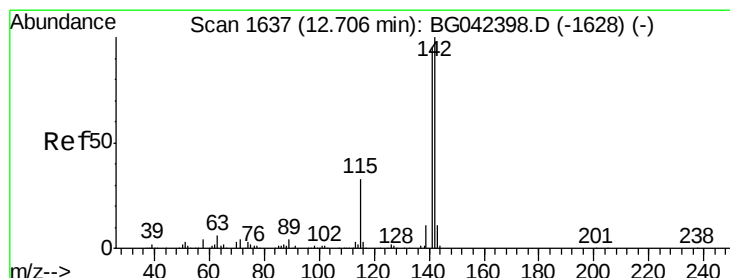
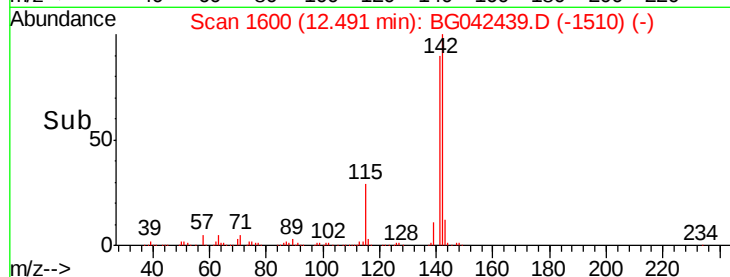
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 71.4  | 107.2 |
| 115     | 28.6  | 25.2  | 37.8  |



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

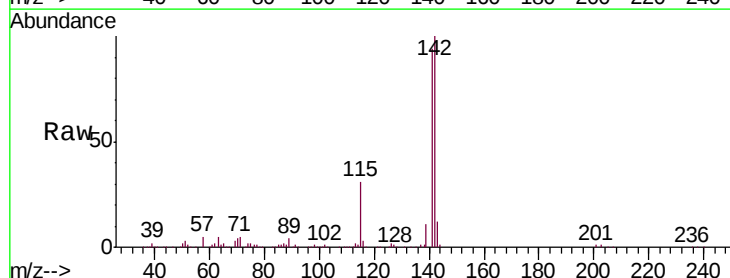


Time-->

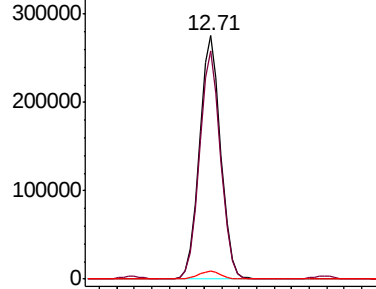


#38  
 1-Methylnaphthalene  
 Concen: 35.050 ng  
 RT: 12.71 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

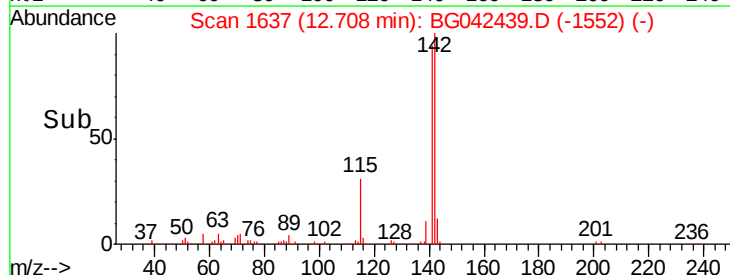
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.9  | 76.2  | 114.2 |
| 116     | 3.3   | 2.8   | 4.2   |

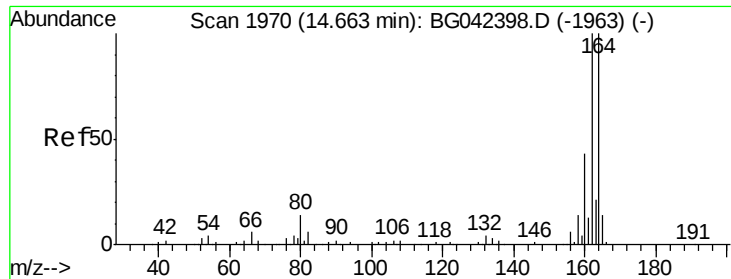


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 116.00 (115.70 to 116.70): E



Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

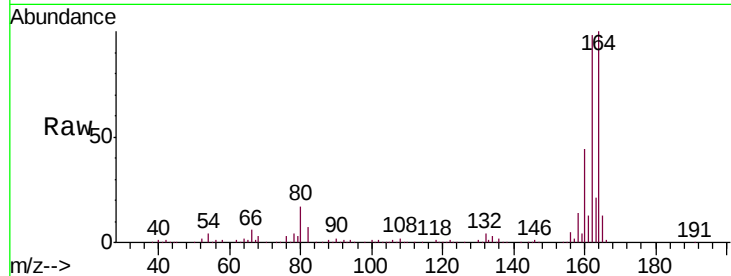
Tot Ion:164 Resp: 230772

Ion Ratio Lower Upper

164 100

162 98.5 79.9 119.9

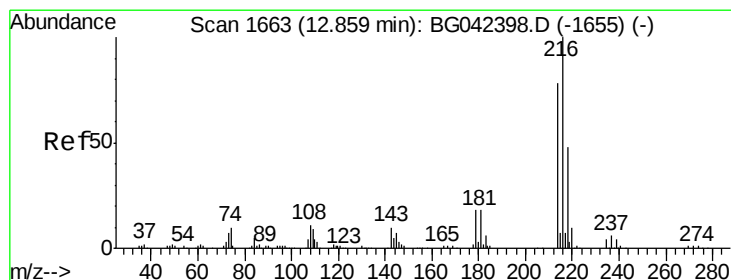
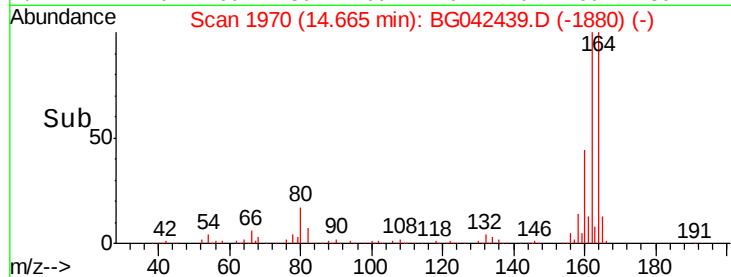
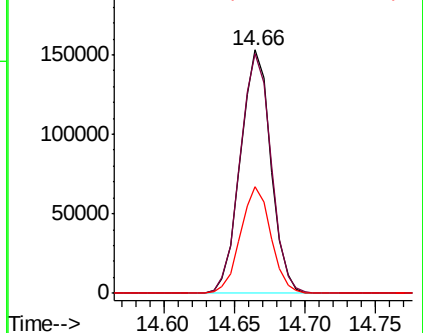
160 43.7 34.3 51.5



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: 29.945 ng

RT: 12.86 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Tgt Ion:216 Resp: 221922

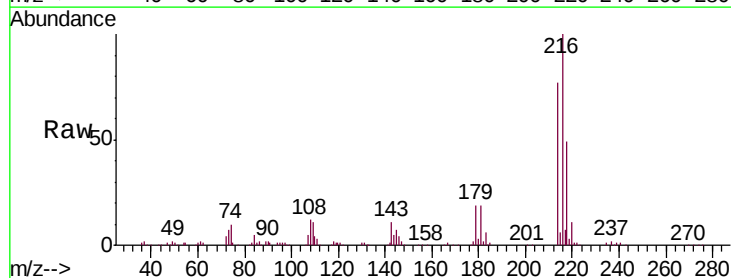
Ion Ratio Lower Upper

216 100

214 77.0 61.4 92.2

179 19.8 15.1 22.7

108 13.0 9.4 14.0

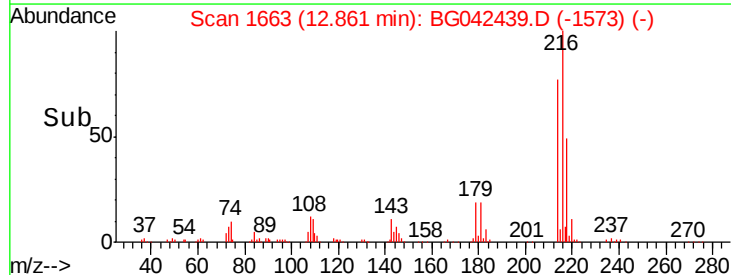
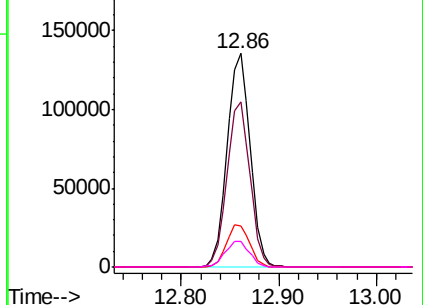


Abundance Ion 216.00 (215.70 to 216.70): E

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: 15.334 ng

RT: 12.84 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

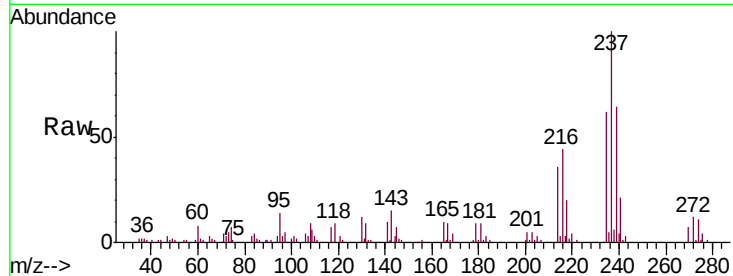
Tot Ion:237 Resp: 59693

Ion Ratio Lower Upper

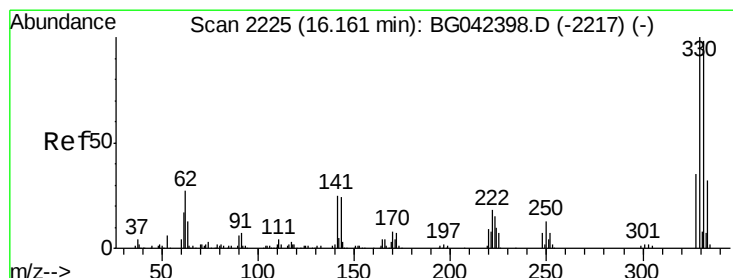
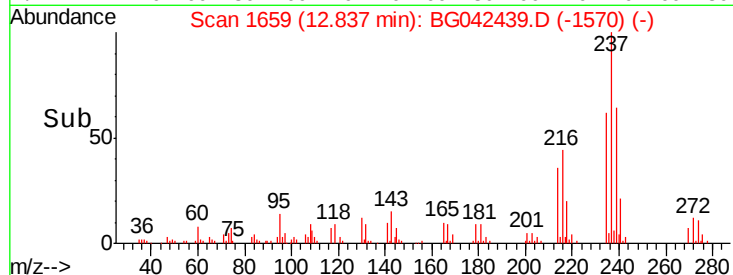
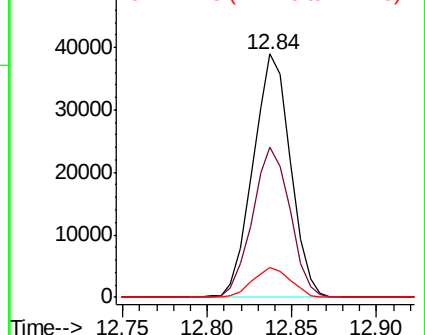
237 100

235 61.6 43.7 83.7

272 12.3 0.0 33.3



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: 75.989 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

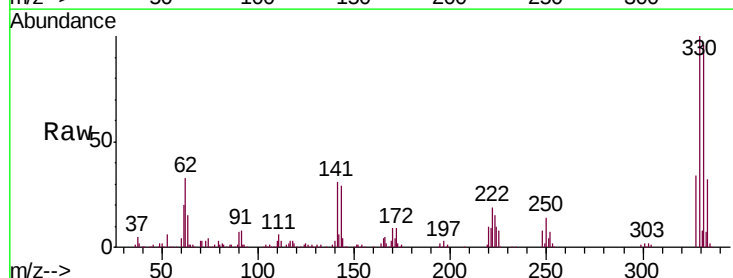
Tgt Ion:330 Resp: 249248

Ion Ratio Lower Upper

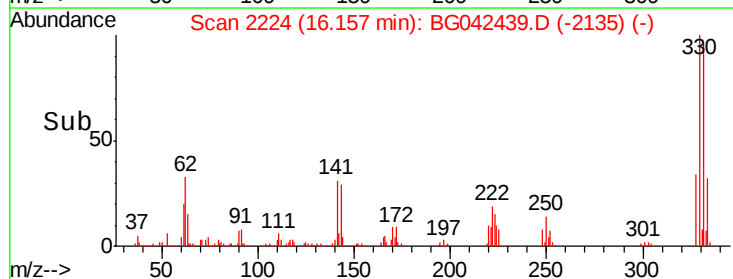
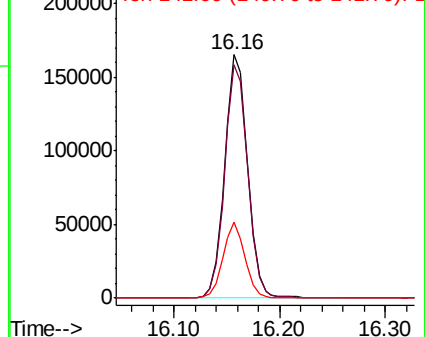
330 100

332 96.3 77.4 116.0

141 29.8 21.4 32.0



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

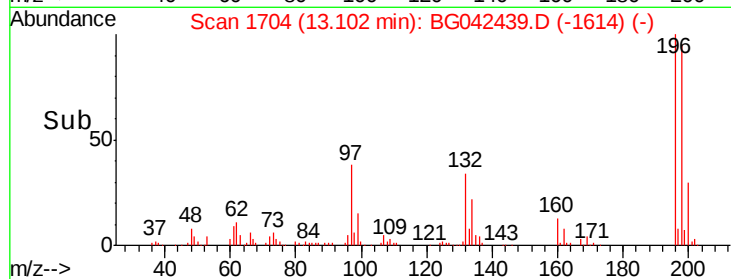
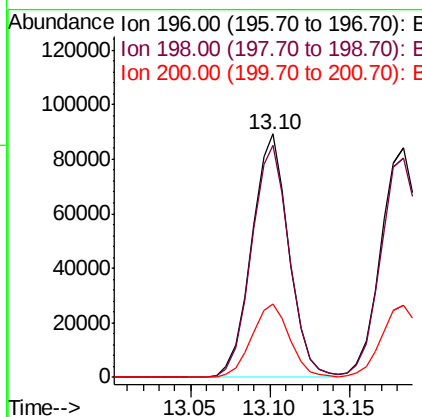
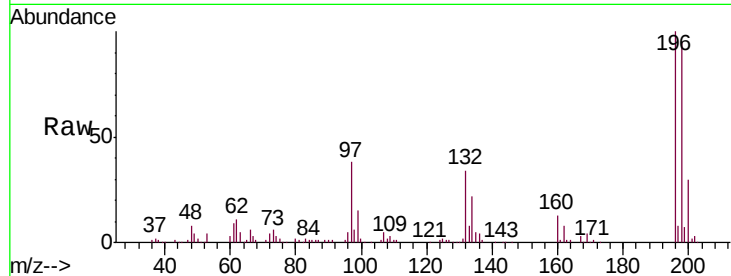




#43  
 2,4,6-Trichlorophenol  
 Concen: 29.010 ng  
 RT: 13.10 min Scan# 1704  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

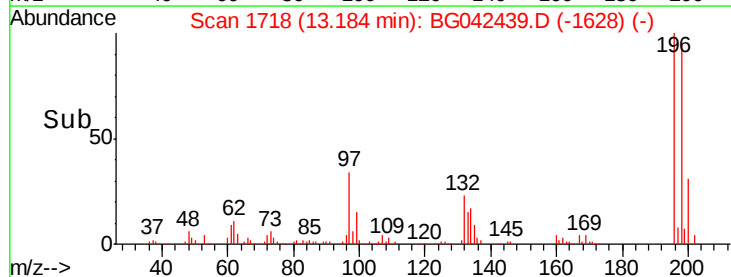
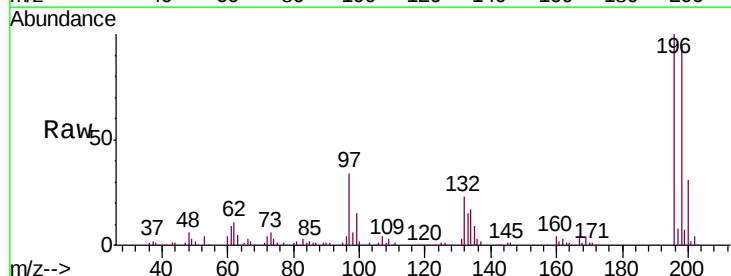
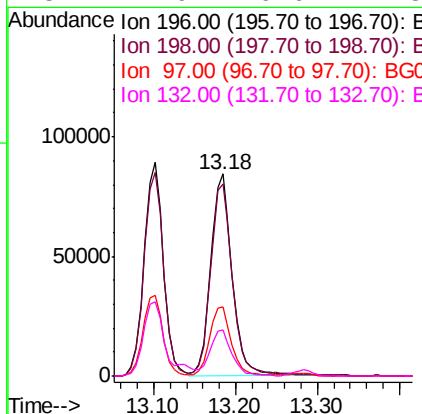
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

| Tot Ion   | 196   | Resp  | 145318 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.4  | 80.7  | 121.1  |
| 200       | 30.4  | 25.7  | 38.5   |



#44  
 2,4,5-Trichlorophenol  
 Concen: 29.684 ng  
 RT: 13.18 min Scan# 1718  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

| Tgt Ion   | 196   | Resp  | 154090 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.0  | 80.2  | 120.4  |
| 97        | 34.5  | 26.3  | 39.5   |
| 132       | 22.9  | 16.6  | 24.8   |

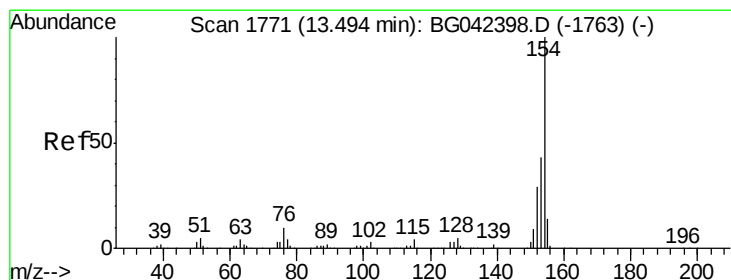
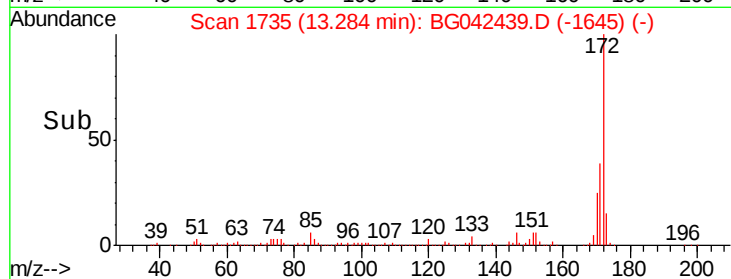
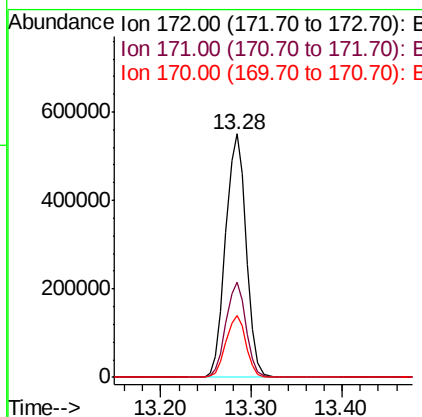
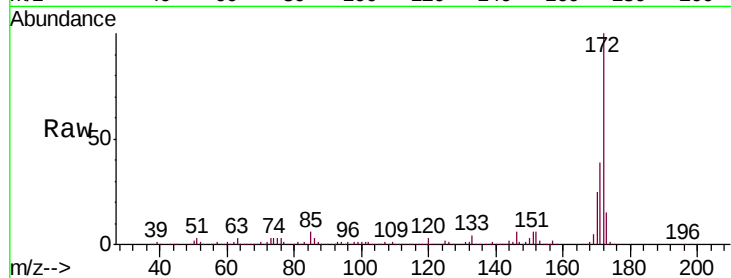




#45  
2-Fluorobiphenyl  
Concen: 63.388 ng  
RT: 13.28 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

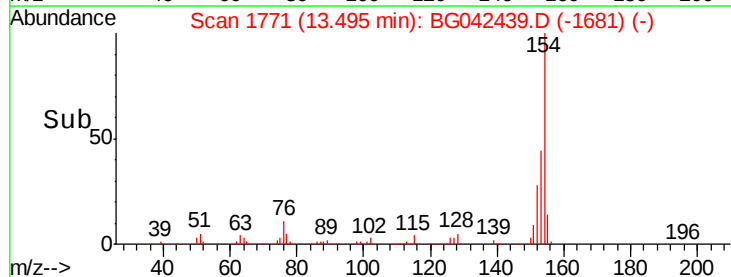
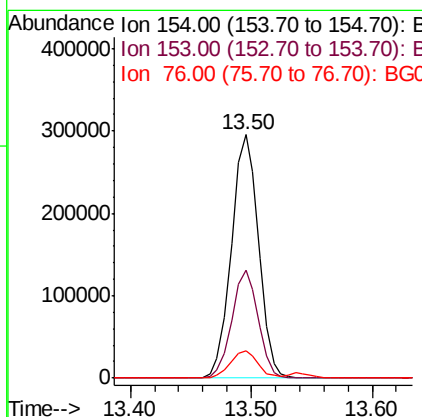
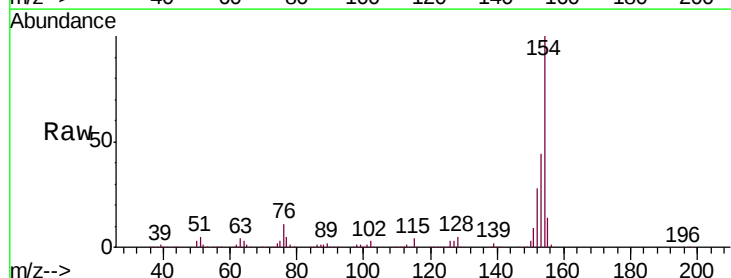
Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

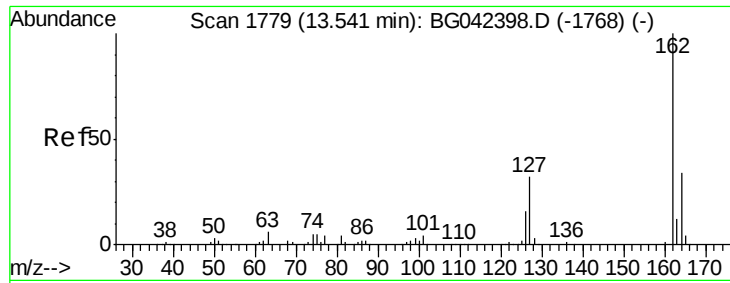
Tot Ion:172 Resp: 864916  
Ion Ratio Lower Upper  
172 100  
171 39.3 30.5 45.7  
170 25.5 20.2 30.2



#46  
1,1'-Biphenyl  
Concen: 30.964 ng  
RT: 13.50 min Scan# 1771  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Tgt Ion:154 Resp: 461892  
Ion Ratio Lower Upper  
154 100  
153 44.1 23.0 63.0  
76 11.1 0.0 29.6

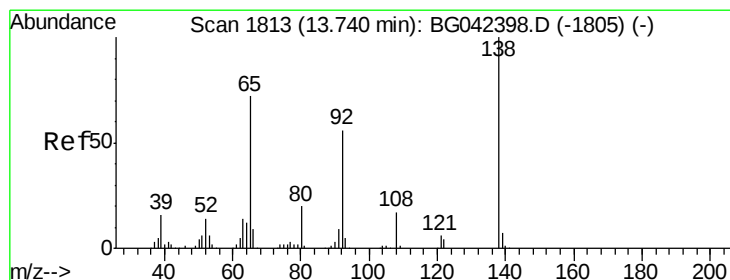
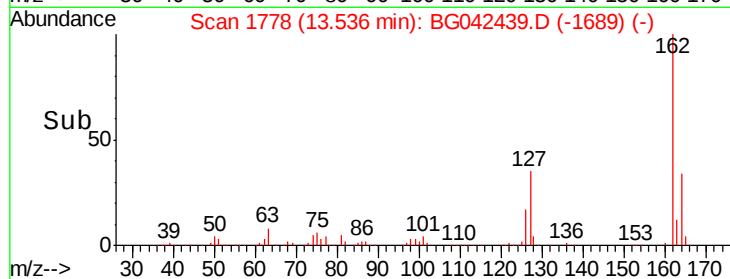
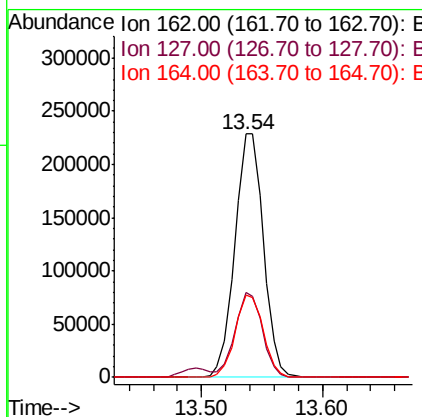
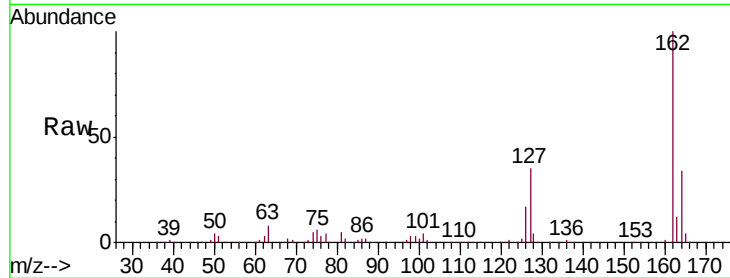




#47  
 2-Chloronaphthalene  
 Concen: 29.403 ng  
 RT: 13.54 min Scan# 1778  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

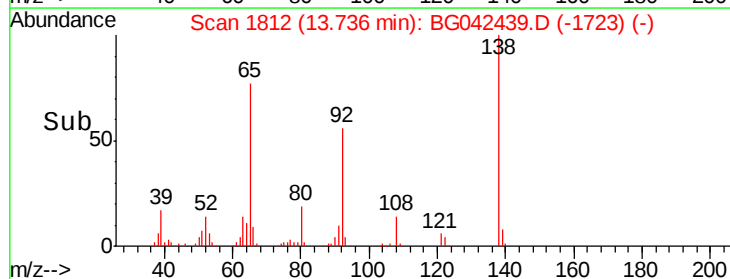
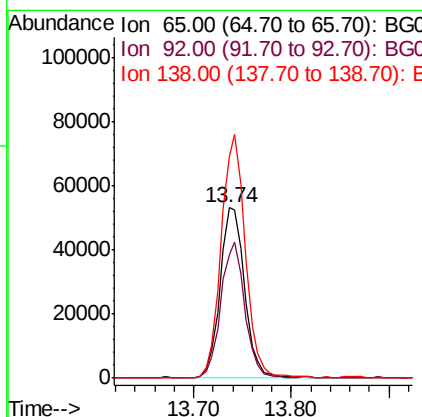
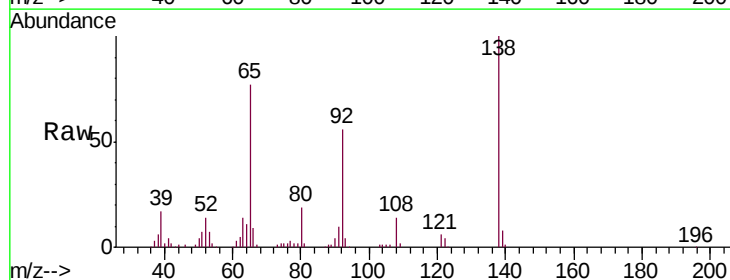
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

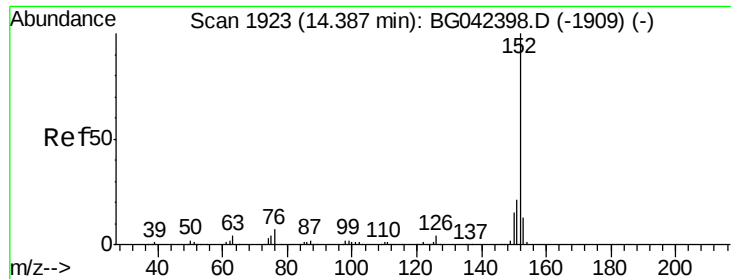
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 34.9  | 26.0  | 39.0  |
| 164     | 33.8  | 27.4  | 41.0  |



#48  
 2-Nitroaniline  
 Concen: 30.137 ng  
 RT: 13.74 min Scan# 1812  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 72.5  | 61.8  | 92.6  |
| 138     | 130.4 | 111.0 | 166.6 |





#49

Acenaphthylene

Concen: 30.654 ng

RT: 14.39 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

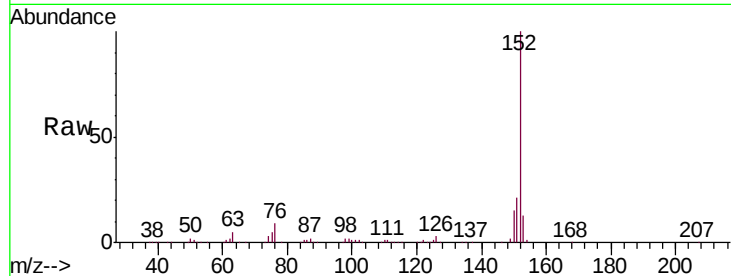
Tot Ion:152 Resp: 593196

Ion Ratio Lower Upper

152 100

151 21.3 17.0 25.4

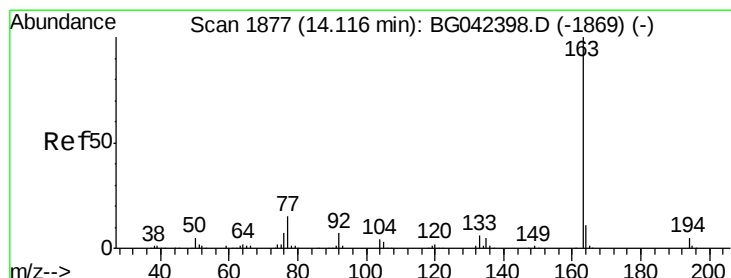
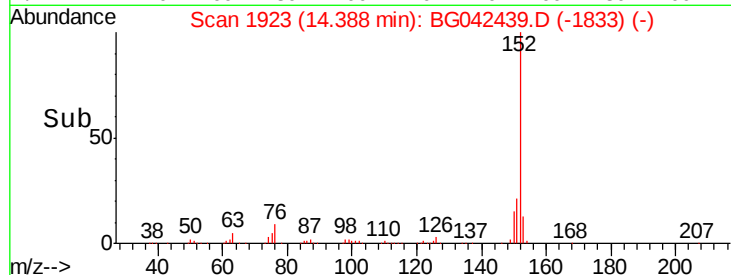
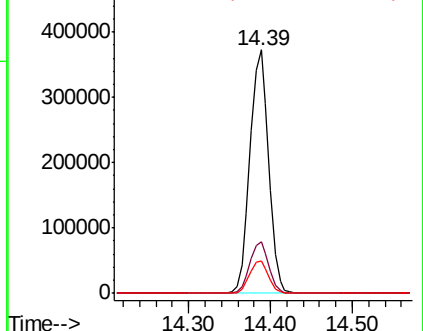
153 13.1 10.6 16.0



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: 30.615 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

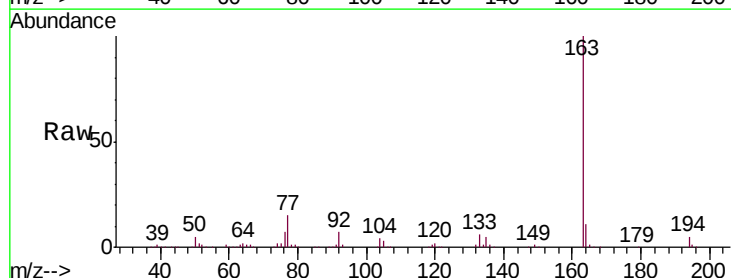
Tgt Ion:163 Resp: 509765

Ion Ratio Lower Upper

163 100

194 4.7 4.2 6.2

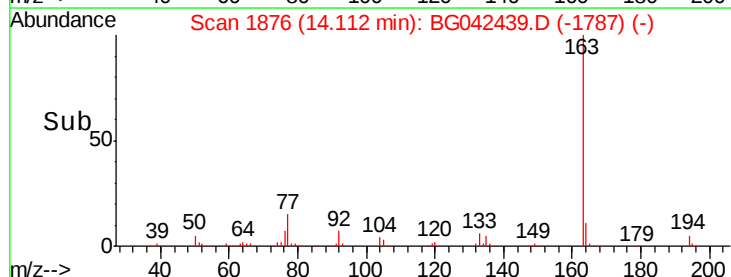
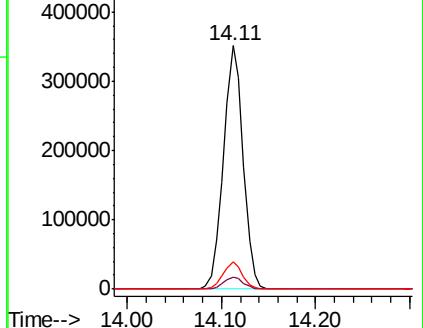
164 11.3 8.8 13.2

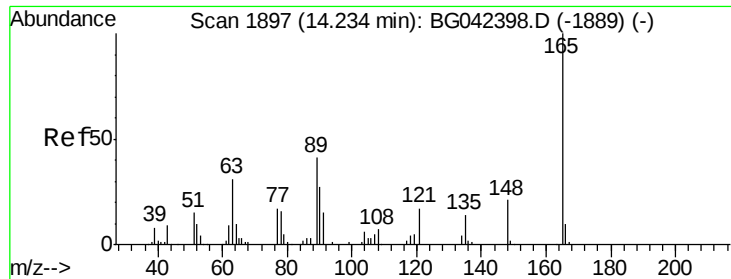


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 28.244 ng

RT: 14.24 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

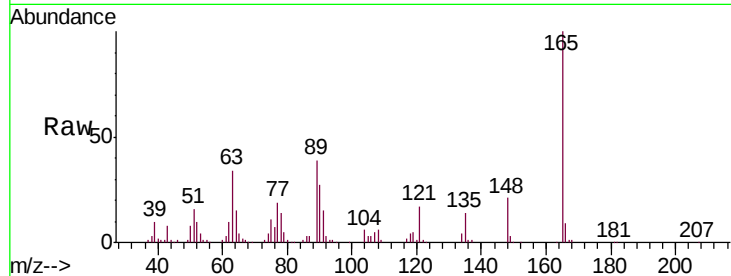
Tot Ion:165 Resp: 109010

Ion Ratio Lower Upper

165 100

63 34.1 30.6 45.8

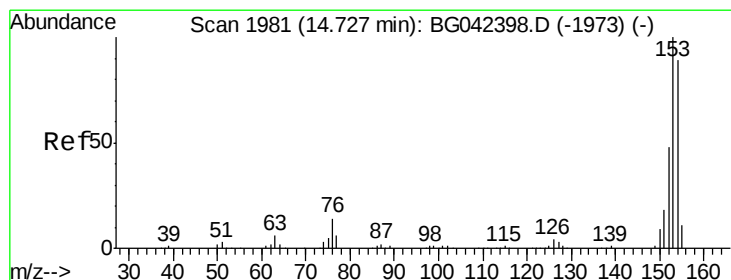
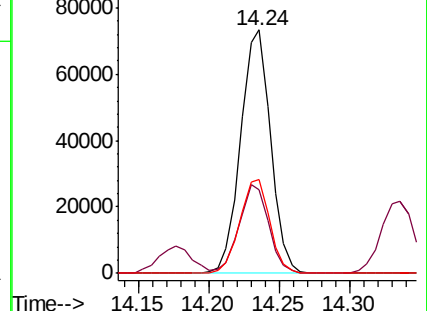
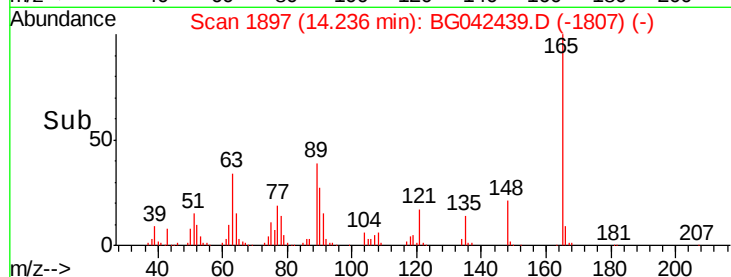
89 38.6 32.6 49.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 29.351 ng

RT: 14.73 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

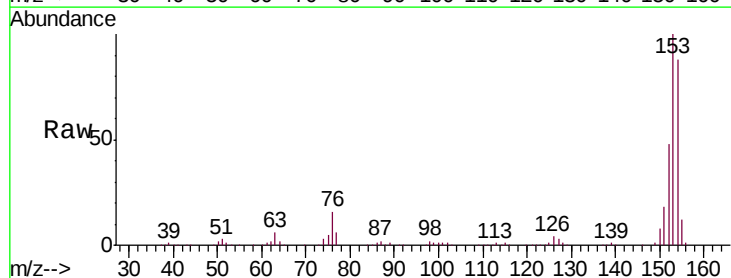
Tgt Ion:154 Resp: 344892

Ion Ratio Lower Upper

154 100

153 113.9 90.2 135.4

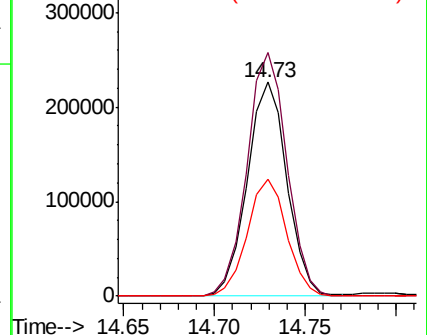
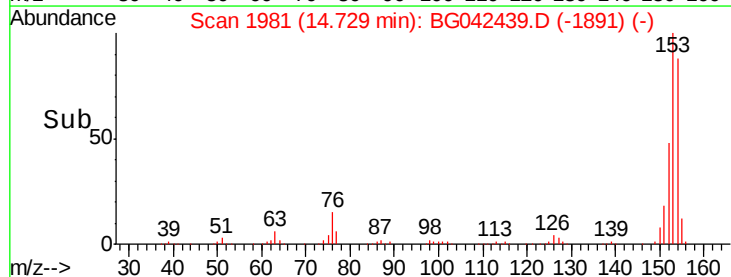
152 54.7 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 21.788 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

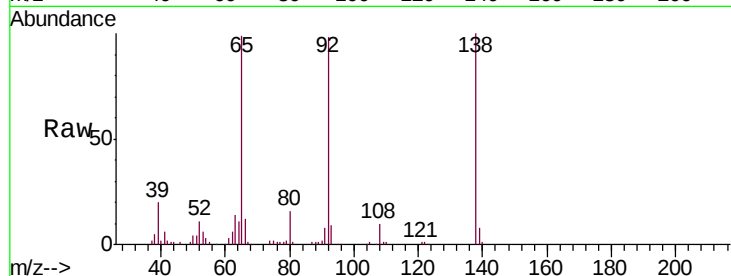
Tot Ion:138 Resp: 84100

Ion Ratio Lower Upper

138 100

108 9.8 8.3 12.5

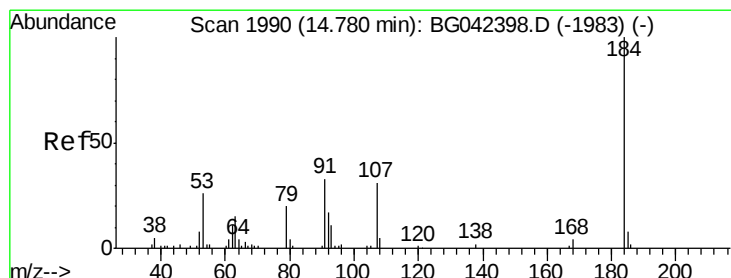
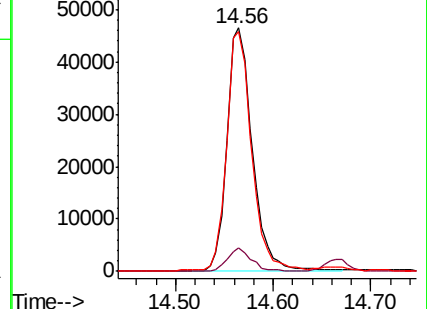
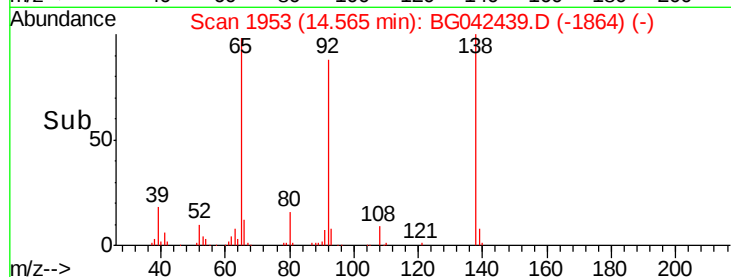
92 98.2 78.2 117.4



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): BGC



#54

2,4-Dinitrophenol

Concen: 11.014 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

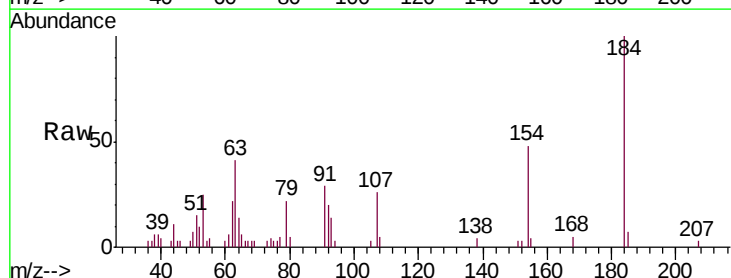
Tgt Ion:184 Resp: 13414

Ion Ratio Lower Upper

184 100

63 41.0 31.7 47.5

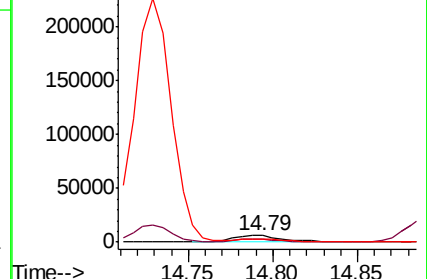
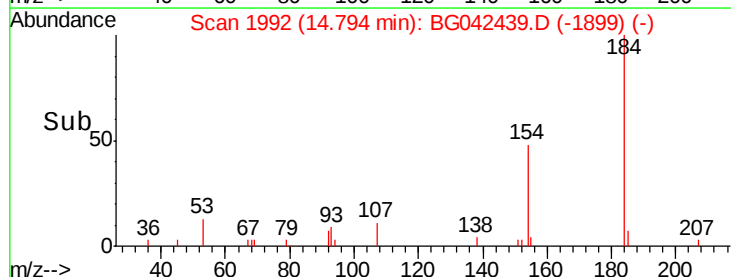
154 48.3 42.0 63.0

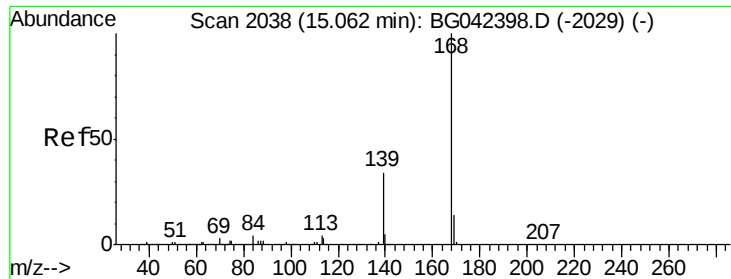


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 38.817 ng

RT: 15.06 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

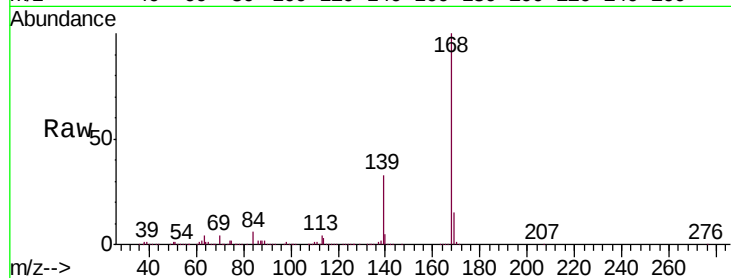
Tot Ion:168 Resp: 755016

Ion Ratio Lower Upper

168 100

139 33.2 27.2 40.8

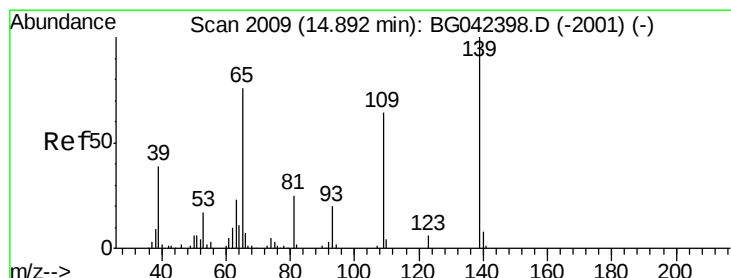
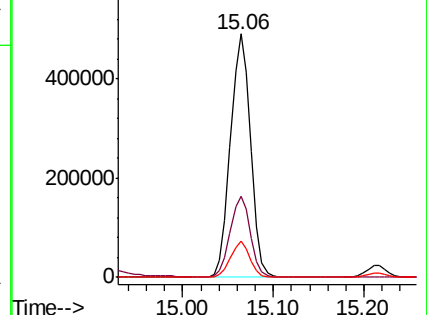
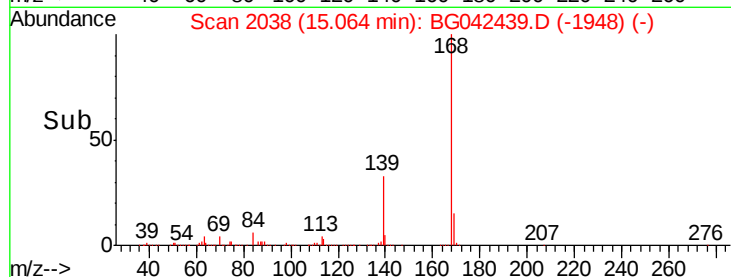
169 14.6 11.5 17.3



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: 83.345 ng

RT: 14.89 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

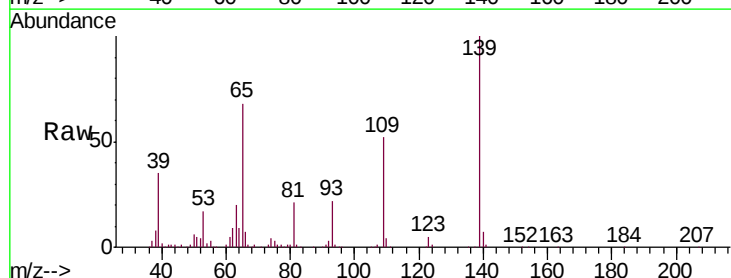
Tgt Ion:139 Resp: 228598

Ion Ratio Lower Upper

139 100

109 52.3 43.9 83.9

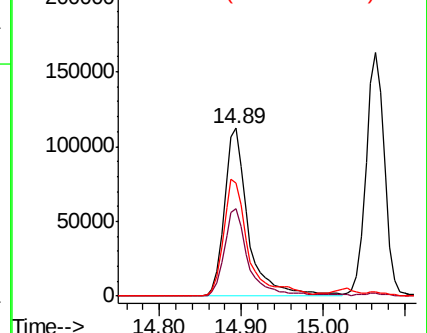
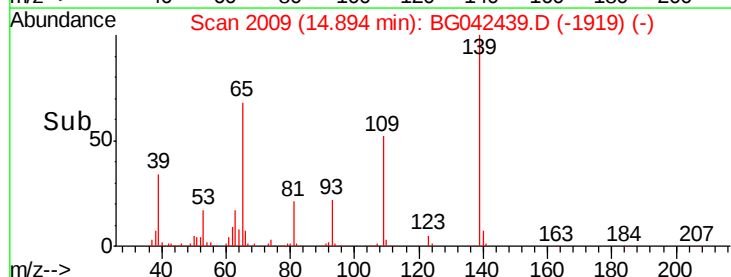
65 67.7 56.3 96.3

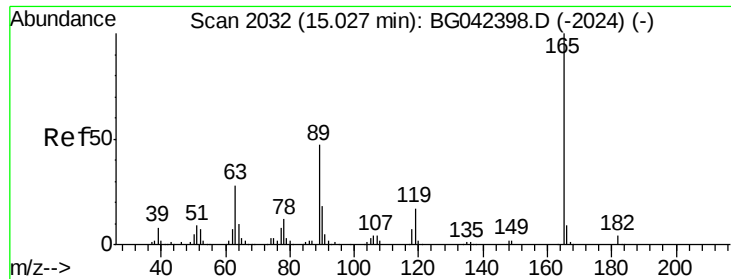


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

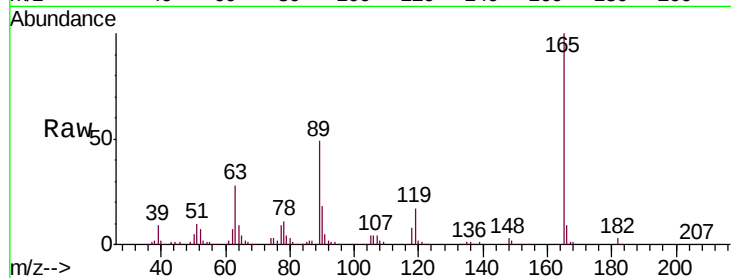




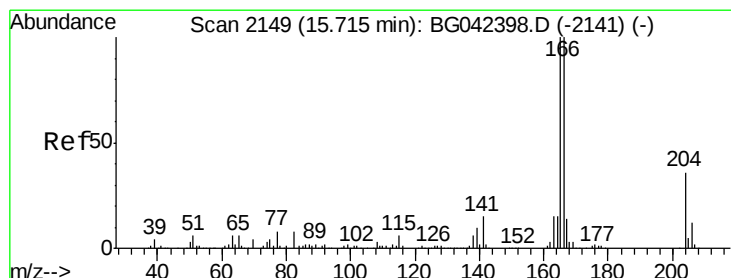
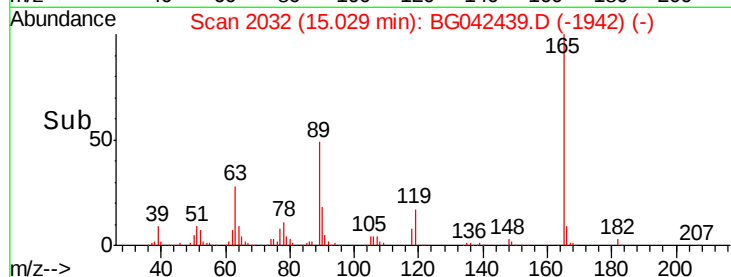
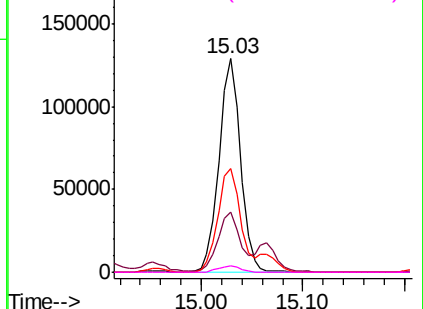
#57  
 2,4-Dinitrotoluene  
 Concen: 34.521 ng  
 RT: 15.03 min Scan# 2032  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 190791    |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 28.0  | 22.5 33.7 |
| 89          | 48.8  | 37.8 56.6 |
| 182         | 3.3   | 3.0 4.4   |

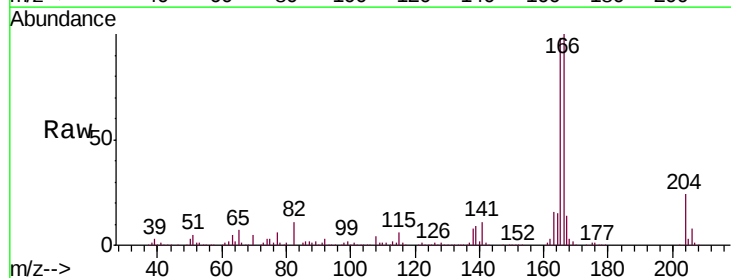


Abundance Ion 165.00 (164.70 to 165.70): E  
 200000  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

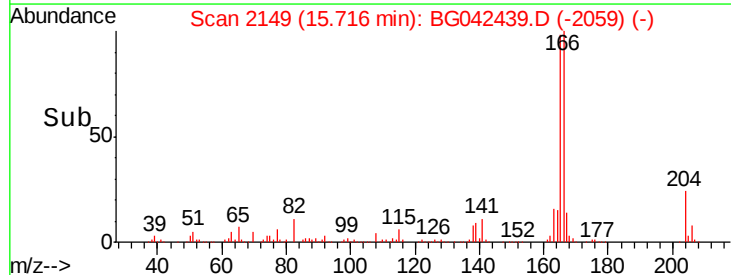
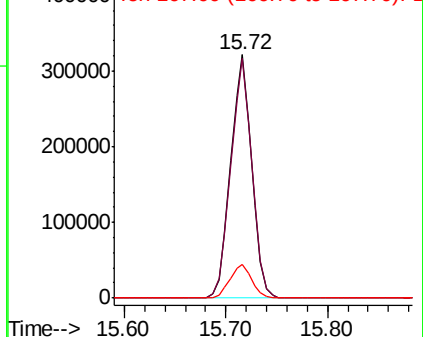


#58  
 Fluorene  
 Concen: 29.033 ng  
 RT: 15.72 min Scan# 2149  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 461610     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 98.3  | 79.7 119.5 |
| 167         | 13.9  | 10.9 16.3  |



Abundance Ion 166.00 (165.70 to 166.70): E  
 400000  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

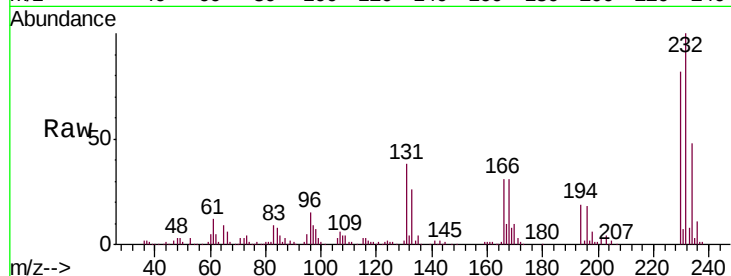




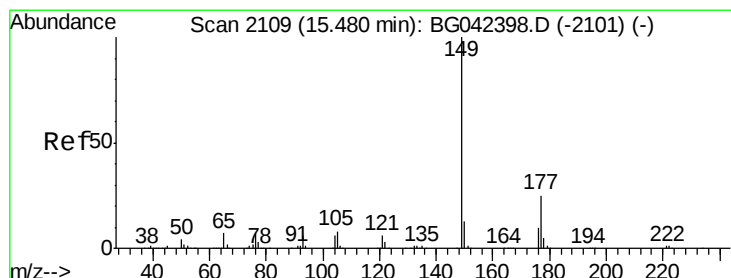
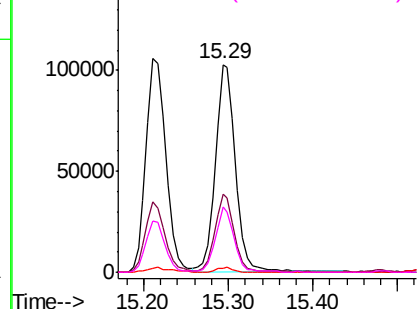
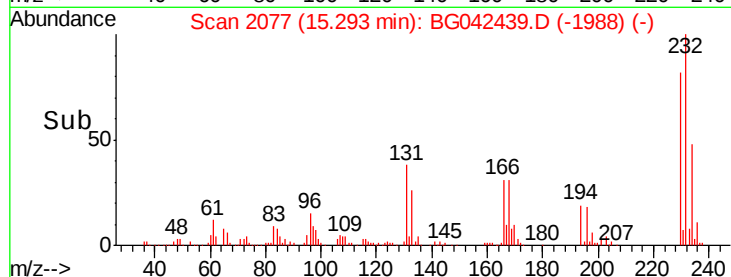
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 33.620 ng  
 RT: 15.29 min Scan# 2077  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

|             |       |            |
|-------------|-------|------------|
| Tot Ion:232 | Resp: | 172588     |
| Ion Ratio   | Lower | Upper      |
| 232         | 100   |            |
| 131         | 35.6  | 22.9 34.3# |
| 130         | 2.0   | 1.4 2.0    |
| 166         | 29.6  | 17.0 25.4# |

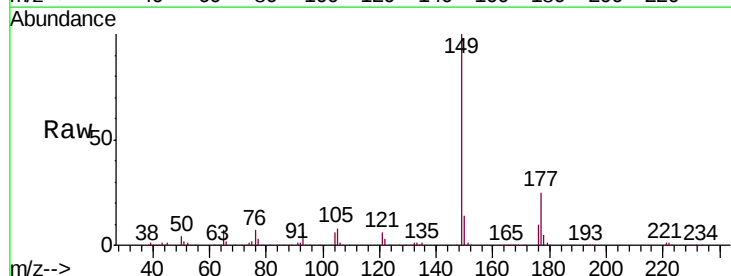


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

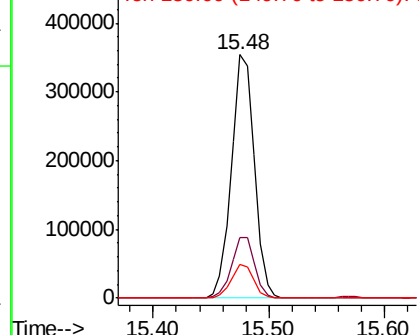
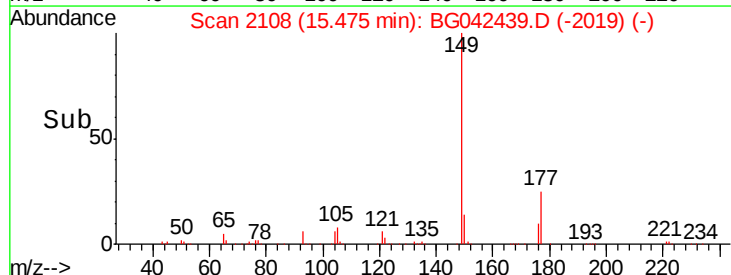


#60  
 Diethylphthalate  
 Concen: 29.797 ng  
 RT: 15.48 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 485015    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 25.1  | 20.4 30.6 |
| 150         | 14.0  | 10.3 15.5 |



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

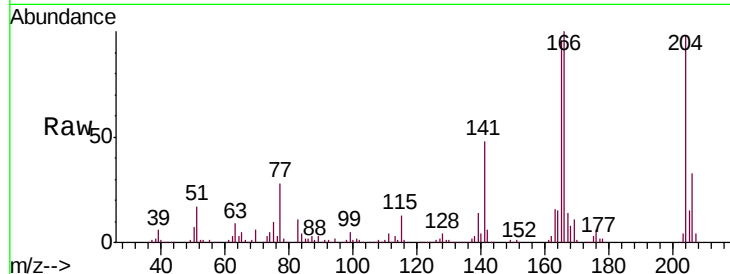




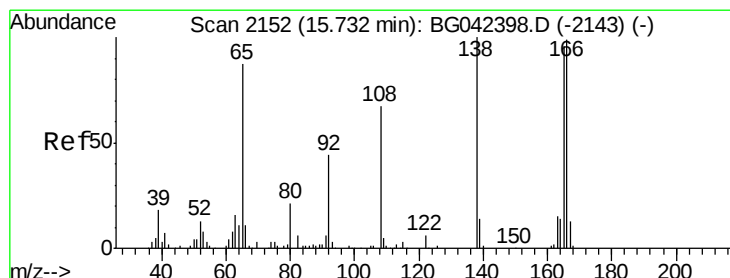
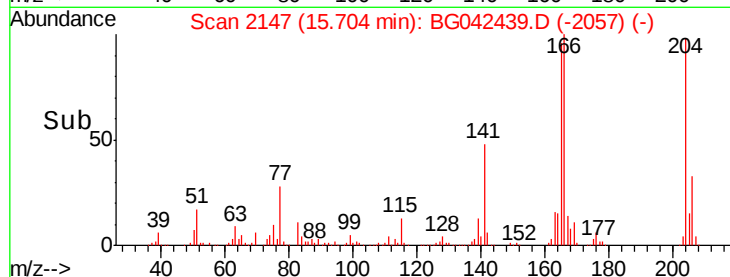
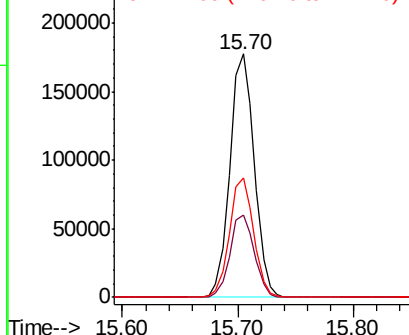
#61  
4-Chlorophenyl-phenylether  
Concen: 26.985 ng  
RT: 15.70 min Scan# 2147  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

Tot Ion:204 Resp: 258637  
Ion Ratio Lower Upper  
204 100  
206 34.0 27.2 40.8  
141 49.1 38.7 58.1

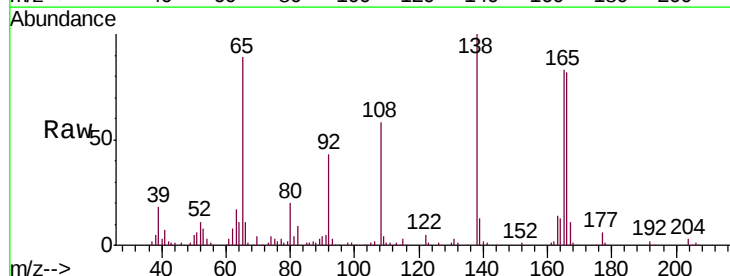


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

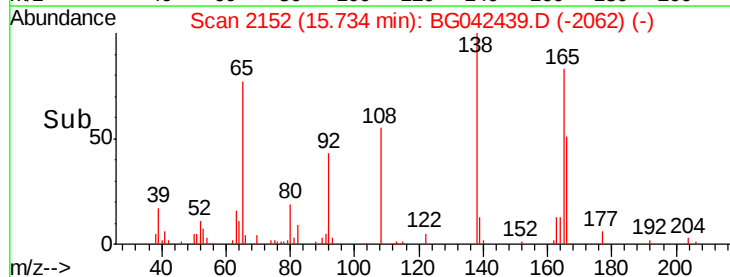
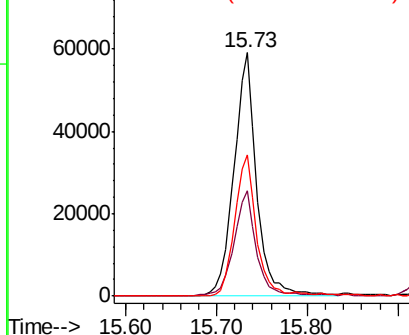


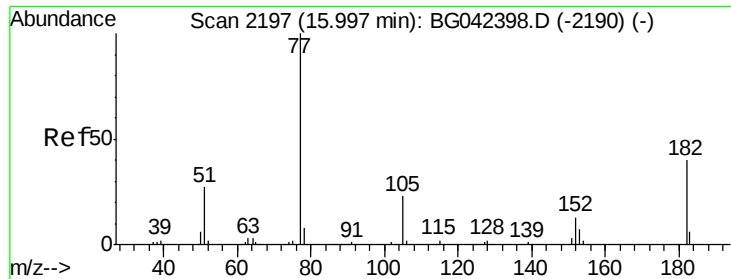
#62  
4-Nitroaniline  
Concen: 25.104 ng  
RT: 15.73 min Scan# 2152  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Tgt Ion:138 Resp: 103709  
Ion Ratio Lower Upper  
138 100  
92 43.1 24.2 64.2  
108 58.2 46.8 86.8



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

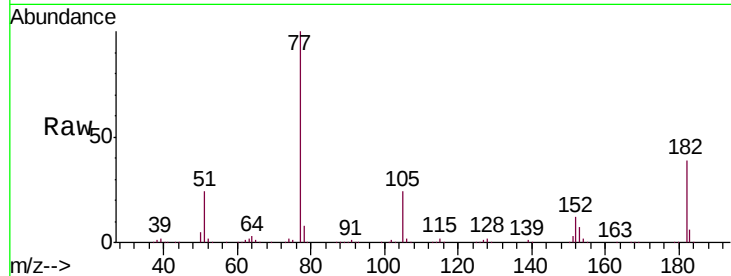




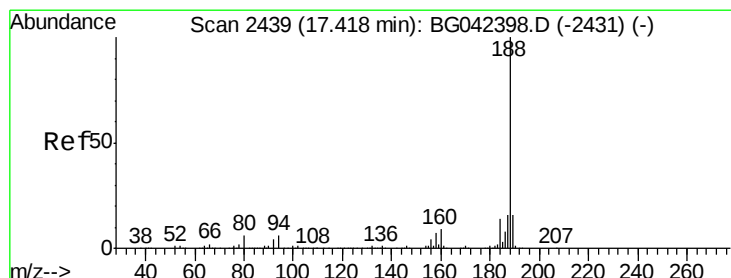
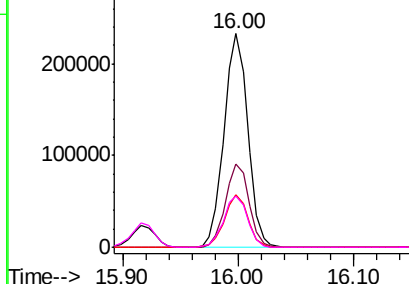
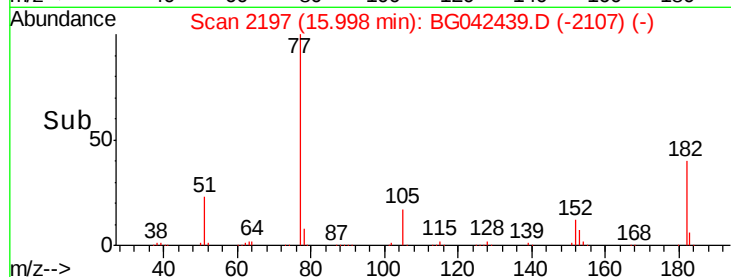
#63  
Azobenzene  
Concen: 29.730 ng  
RT: 16.00 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 331595 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 38.7  | 19.9  | 59.9   |
| 105      | 24.5  | 2.9   | 42.9   |
| 51       | 24.0  | 7.6   | 47.6   |

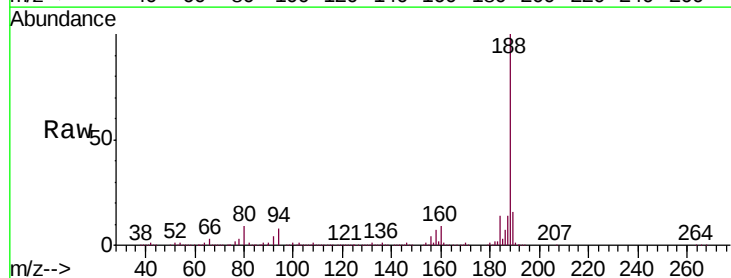


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

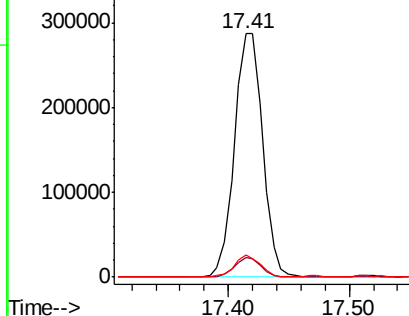
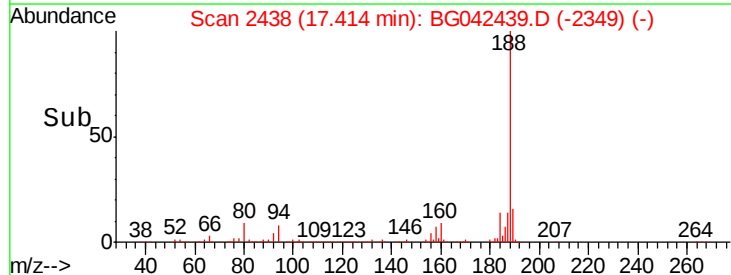


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 467633 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.0   | 4.5   | 6.7#   |
| 80       | 8.9   | 4.9   | 7.3#   |



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

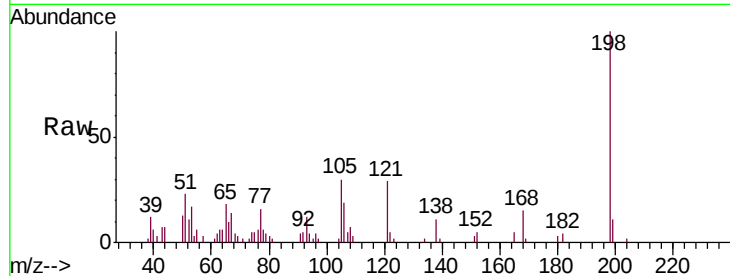




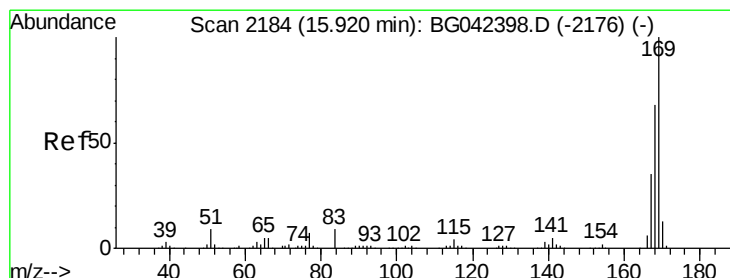
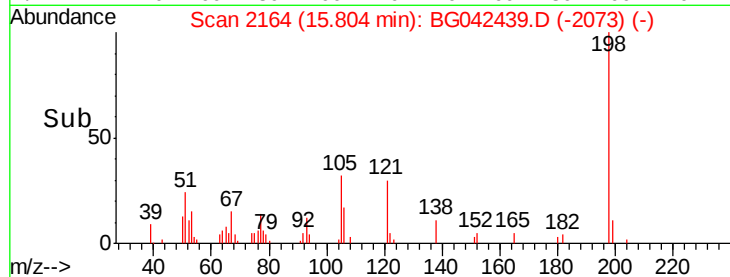
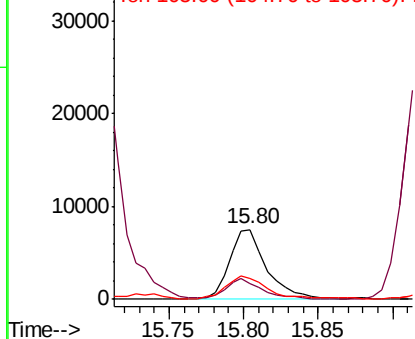
#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.460 ng  
RT: 15.80 min Scan# 2164  
Delta R.T. 0.01 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

Tot Ion:198 Resp: 13076  
Ion Ratio Lower Upper  
198 100  
51 22.6 4.2 44.2  
105 30.3 8.8 48.8

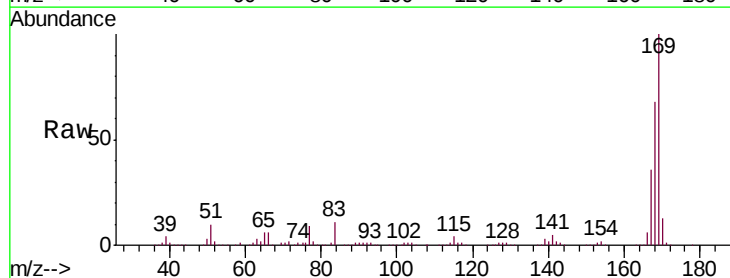


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BG  
Ion 105.00 (104.70 to 105.70): E

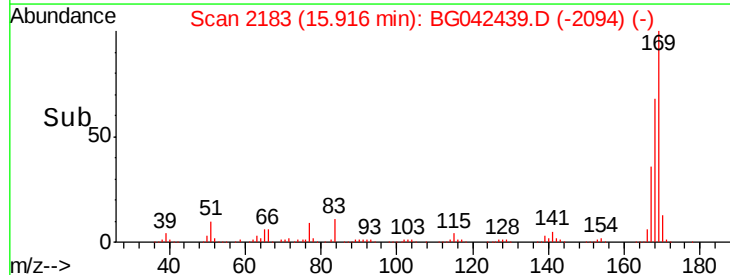
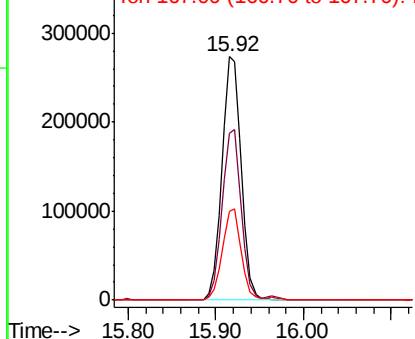


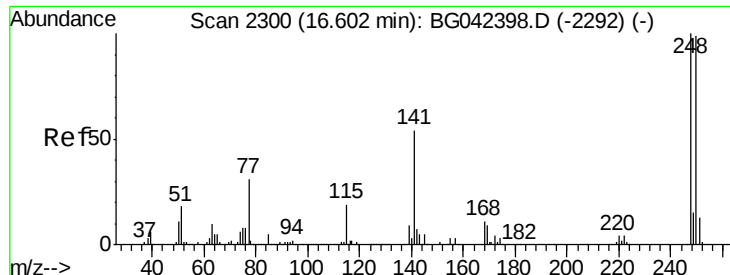
#66  
n-Nitrosodiphenylamine  
Concen: 32.402 ng  
RT: 15.92 min Scan# 2183  
Delta R.T. -0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Tgt Ion:169 Resp: 416704  
Ion Ratio Lower Upper  
169 100  
168 68.3 54.3 81.5  
167 36.5 28.2 42.2



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

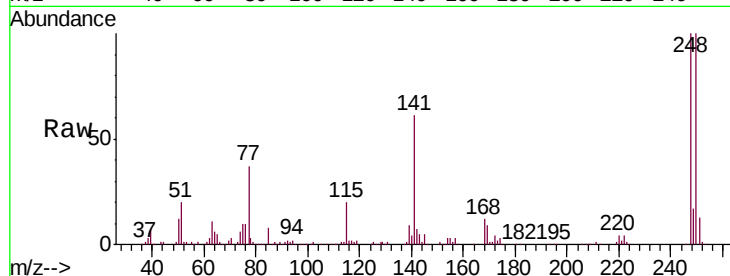




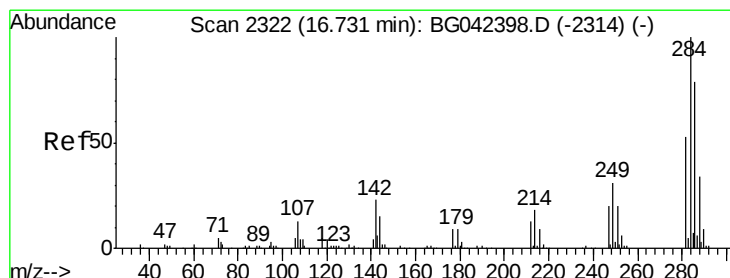
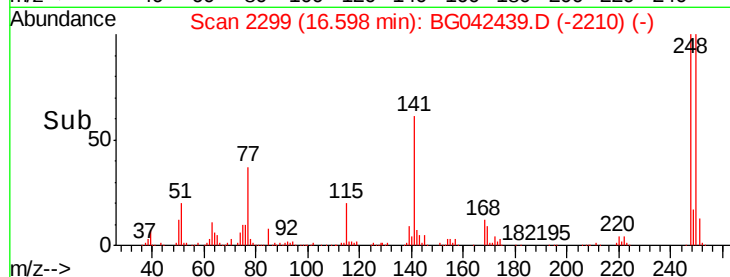
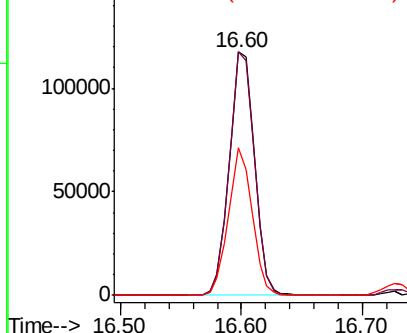
#67  
 4-Bromophenyl-phenylether  
 Concen: 28.903 ng  
 RT: 16.60 min Scan# 2299  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

Tot Ion:248 Resp: 171444  
 Ion Ratio Lower Upper  
 248 100  
 250 100.0 78.9 118.3  
 141 60.8 43.3 64.9

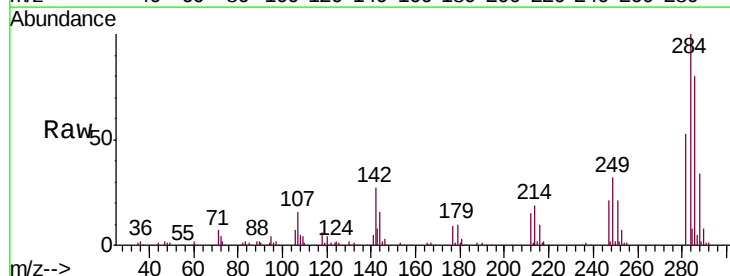


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

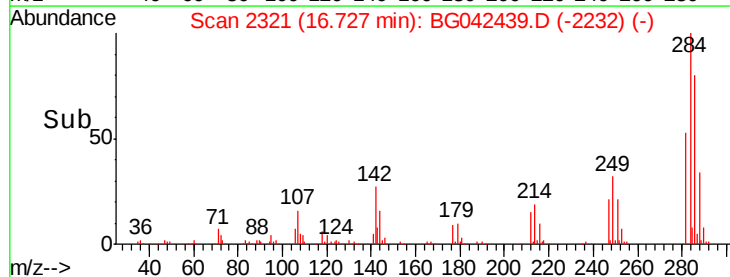
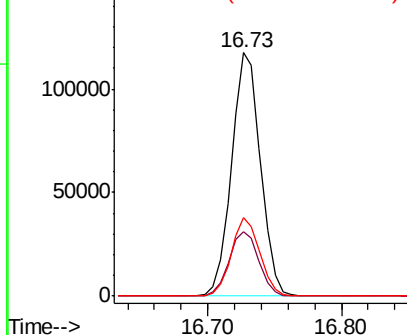


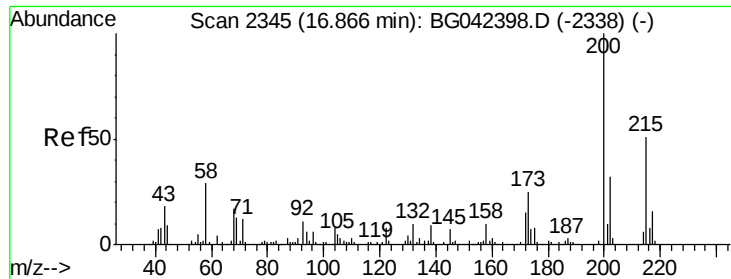
#68  
 Hexachlorobenzene  
 Concen: 27.431 ng  
 RT: 16.73 min Scan# 2321  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

Tgt Ion:284 Resp: 176881  
 Ion Ratio Lower Upper  
 284 100  
 142 26.6 18.2 27.4  
 249 32.0 25.0 37.4



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: 33.307 ng

RT: 16.87 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

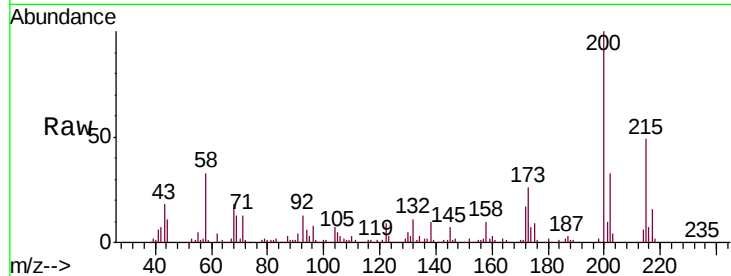
Tot Ion:200 Resp: 151473

Ion Ratio Lower Upper

200 100

173 25.9 4.9 44.9

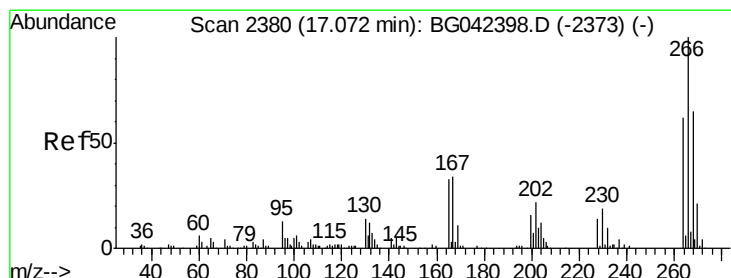
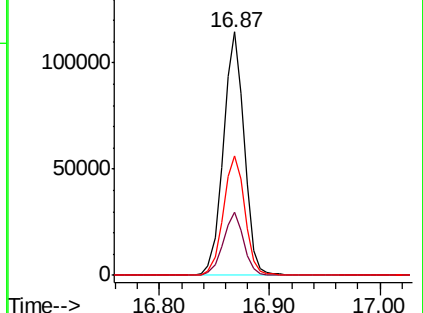
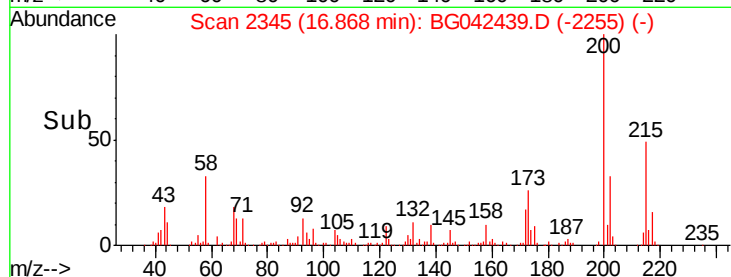
215 49.1 30.7 70.7



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 61.717 ng

RT: 17.07 min Scan# 2380

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

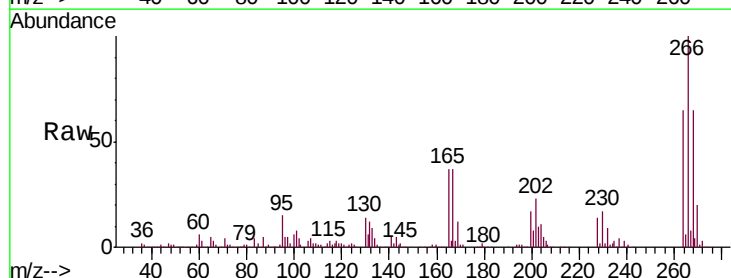
Tgt Ion:266 Resp: 206774

Ion Ratio Lower Upper

266 100

268 65.2 52.1 78.1

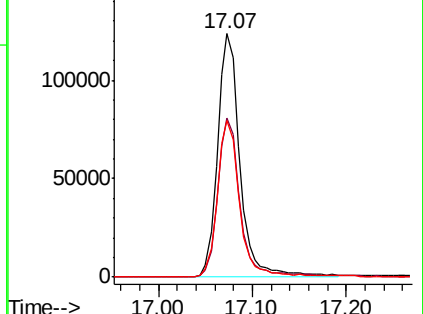
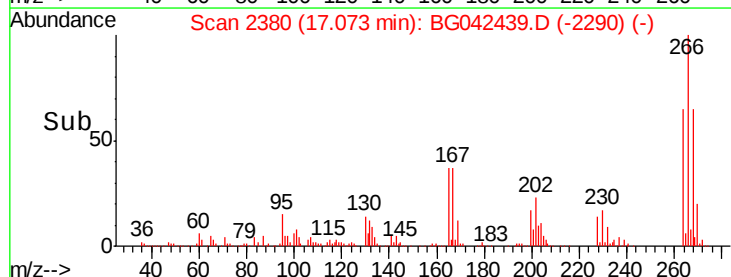
264 64.5 49.4 74.2

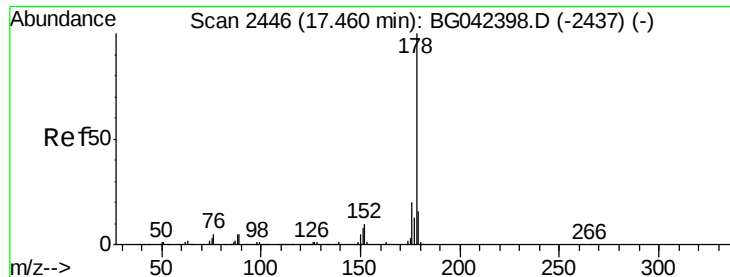


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

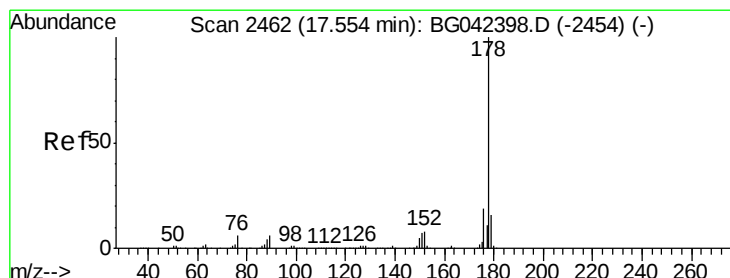
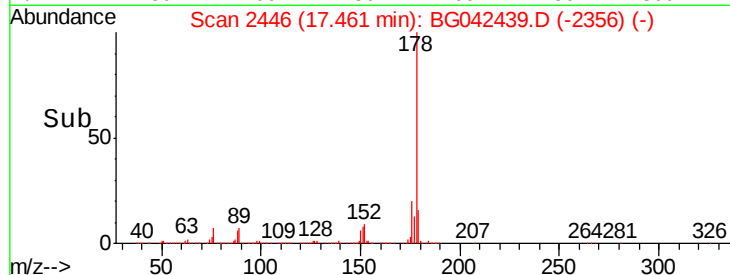
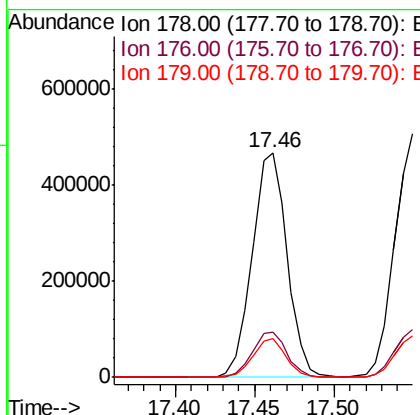
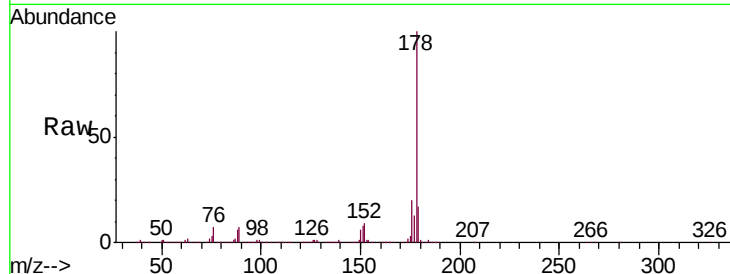




#71  
Phenanthrene  
Concen: 30.775 ng  
RT: 17.46 min Scan# 2446  
Delta R.T. 0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

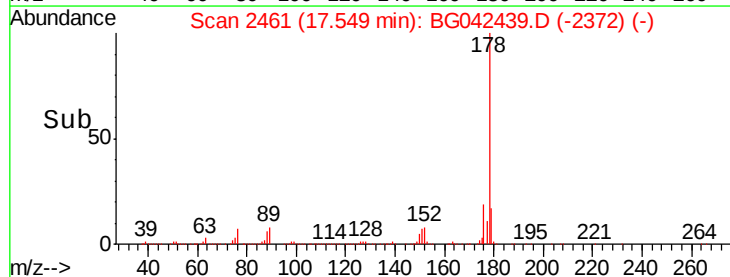
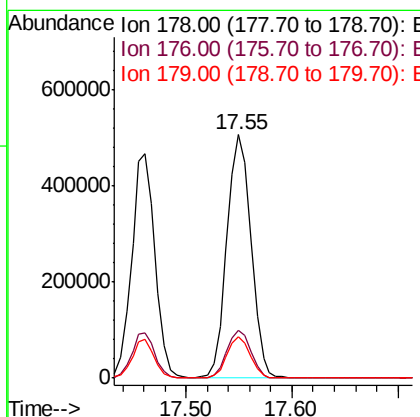
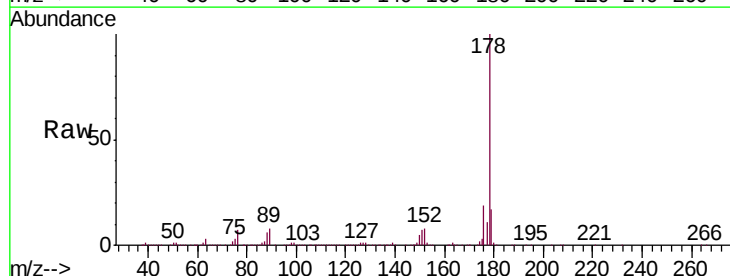
Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-082019MSD

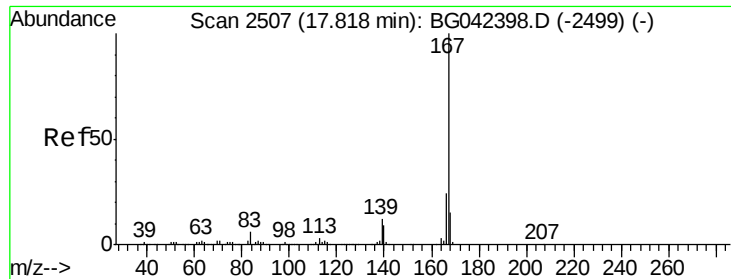
Tot Ion:178 Resp: 714851  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.9 23.9  
179 17.1 12.7 19.1



#72  
Anthracene  
Concen: 34.428 ng  
RT: 17.55 min Scan# 2461  
Delta R.T. -0.00 min  
Lab File: BG042439.D  
Acq: 23 Aug 2019 18:47

Tgt Ion:178 Resp: 798347  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 17.1 12.9 19.3

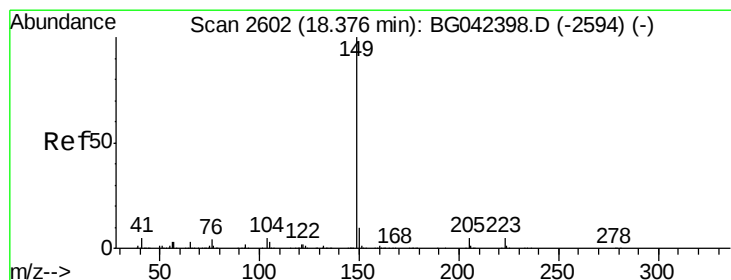
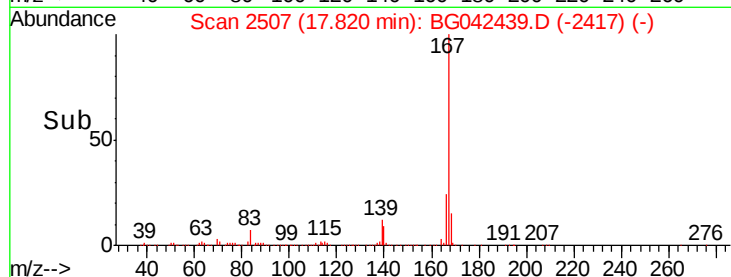
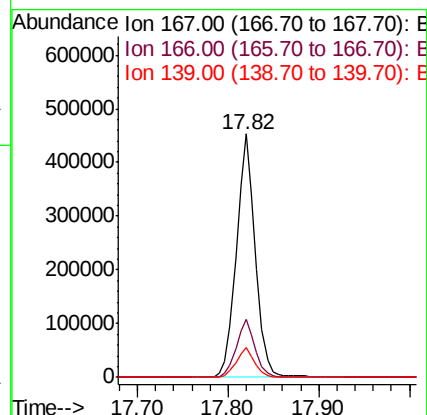
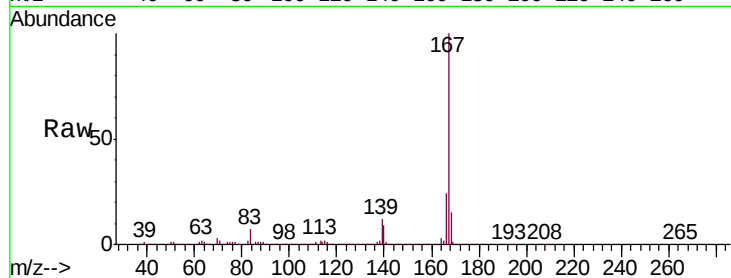




#73  
 Carbazole  
 Concen: 31.916 ng  
 RT: 17.82 min Scan# 2507  
 Delta R.T. 0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

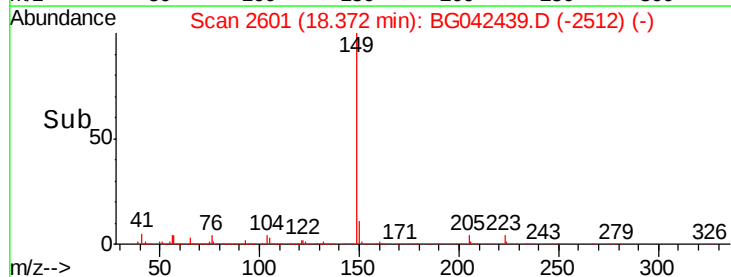
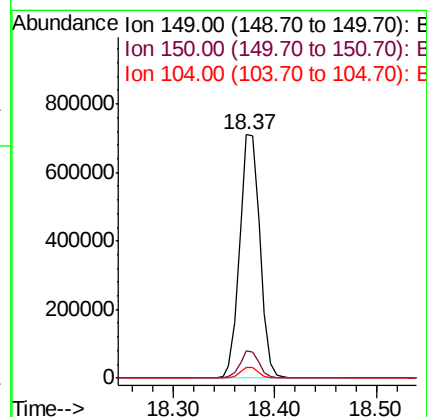
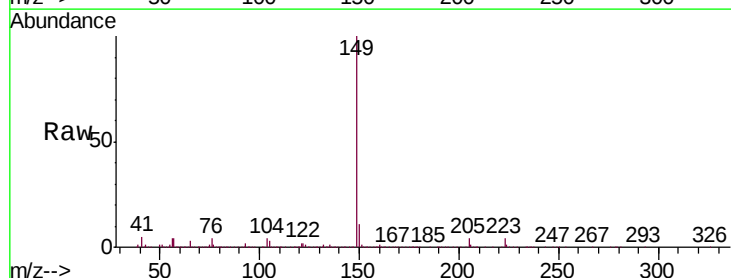
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-082019MSD

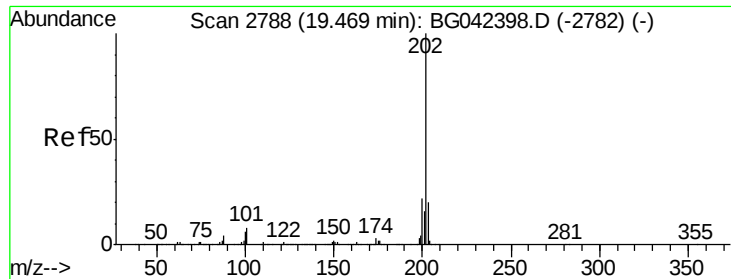
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.8  | 18.9  | 28.3  |
| 139     | 12.4  | 9.8   | 14.6  |



#74  
 Di-n-butylphthalate  
 Concen: 40.147 ng  
 RT: 18.37 min Scan# 2601  
 Delta R.T. -0.00 min  
 Lab File: BG042439.D  
 Acq: 23 Aug 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 11.0  | 8.1   | 12.1  |
| 104     | 4.3   | 3.7   | 5.5   |





#75

Fluoranthene

Concen: 29.008 ng

RT: 19.47 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

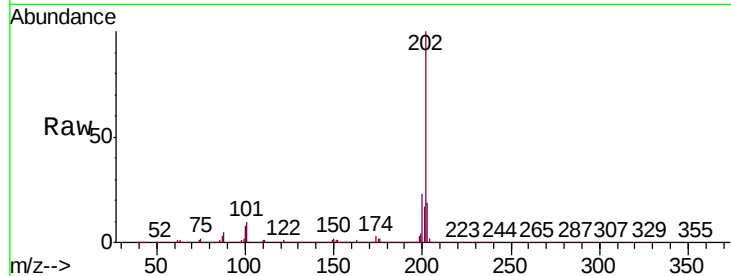
Tot Ion:202 Resp: 822330

Ion Ratio Lower Upper

202 100

101 9.8 0.0 28.3

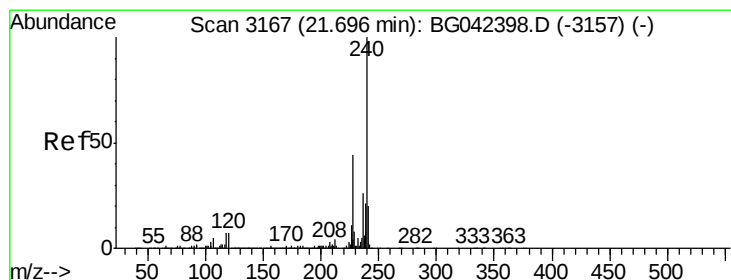
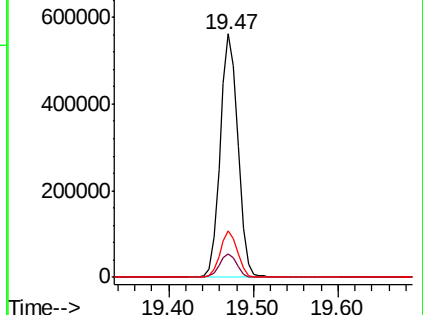
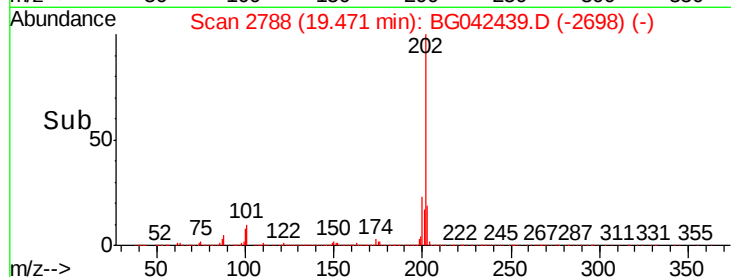
203 19.3 0.0 39.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

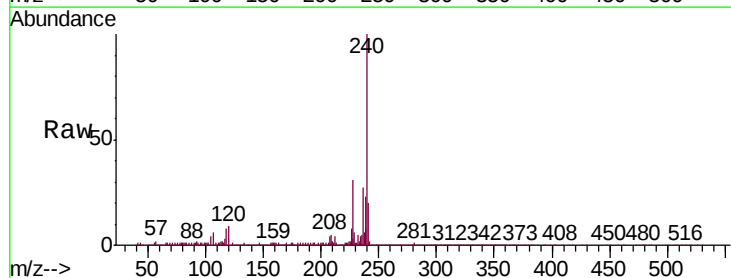
Tgt Ion:240 Resp: 441216

Ion Ratio Lower Upper

240 100

120 8.7 5.7 8.5#

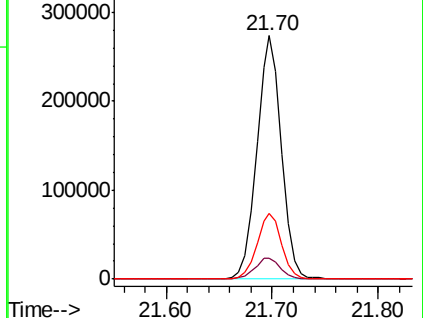
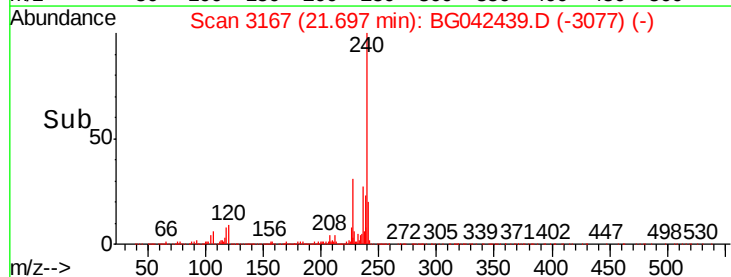
236 26.9 21.0 31.4

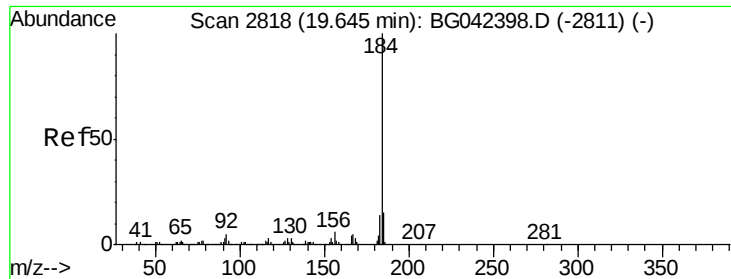


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 27.023 ng

RT: 19.65 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

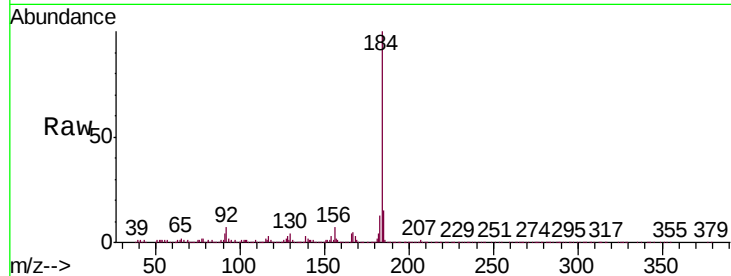
BNA\_G

ClientSampleId :

NB-08-082019MSD

Tot Ion:184 Resp: 341843

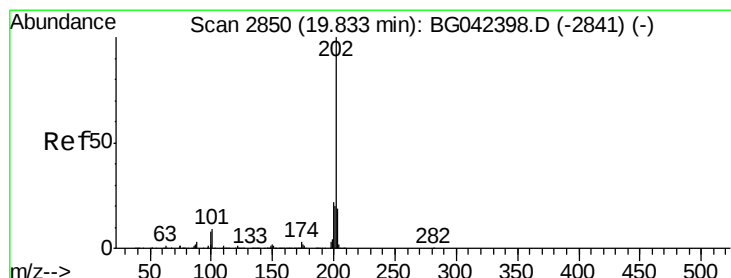
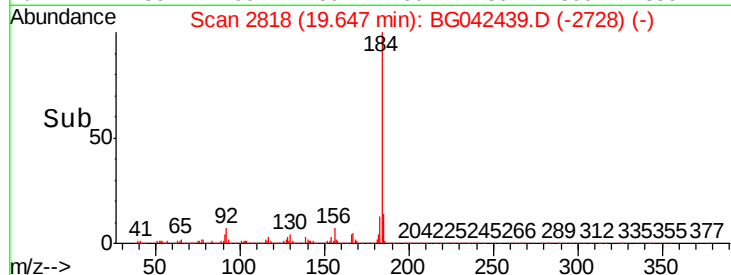
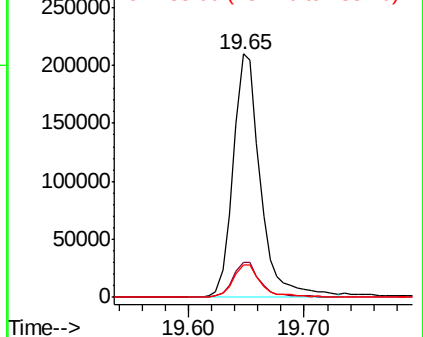
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.5  | 12.2  | 18.4  |
| 183 | 13.5  | 10.8  | 16.2  |



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: 30.264 ng

RT: 19.83 min Scan# 2850

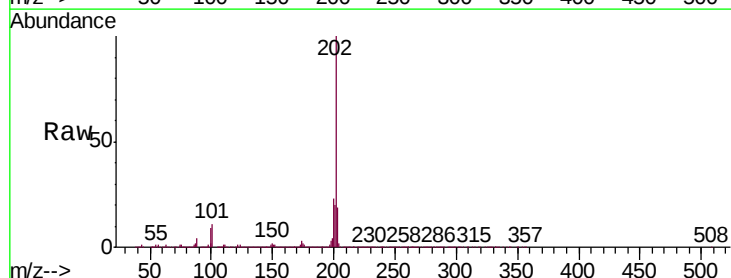
Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Tgt Ion:202 Resp: 818667

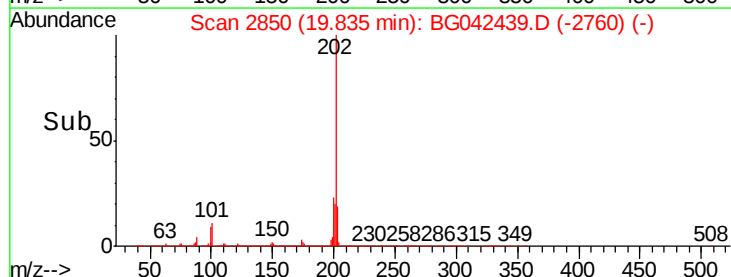
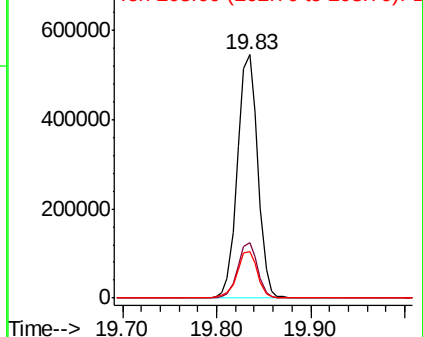
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 23.0  | 17.8  | 26.6  |
| 203 | 19.1  | 15.5  | 23.3  |

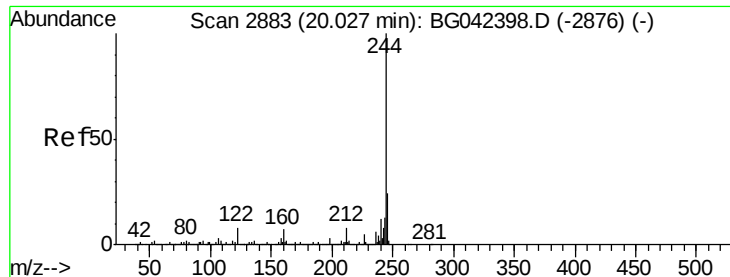


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.313 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

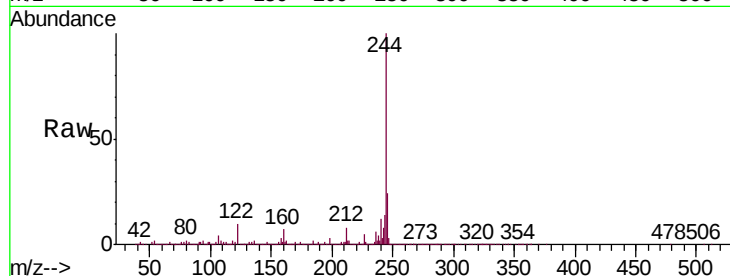
Tot Ion:244 Resp: 1271709

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

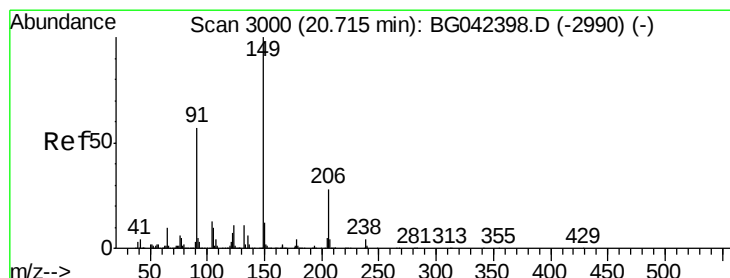
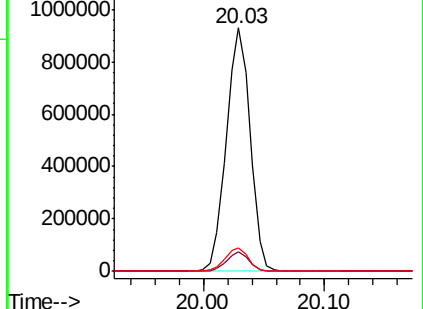
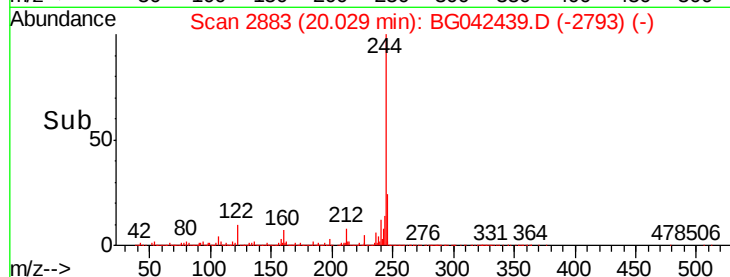
122 9.7 6.7 10.1



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: 31.514 ng

RT: 20.72 min Scan# 3000

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

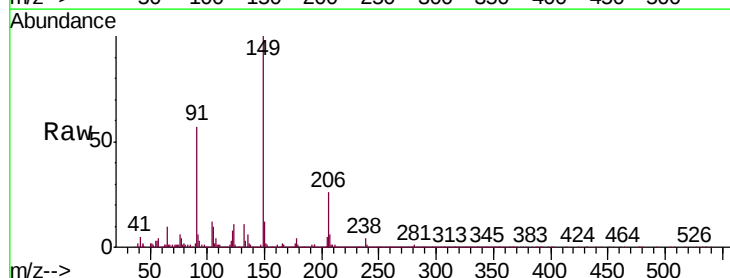
Tgt Ion:149 Resp: 335299

Ion Ratio Lower Upper

149 100

91 56.9 45.9 68.9

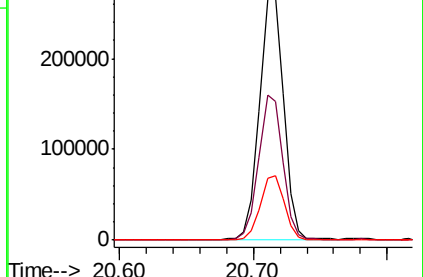
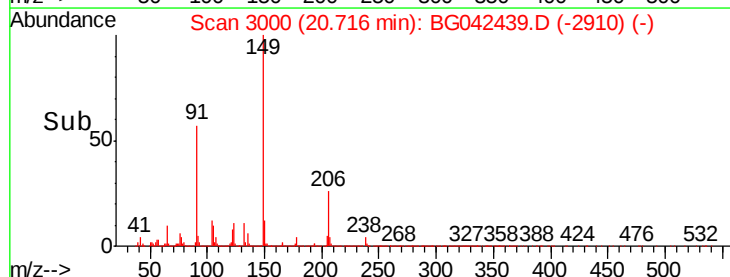
206 26.2 22.5 33.7

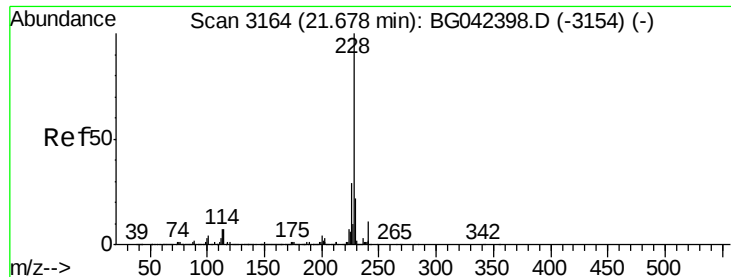


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 30.584 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

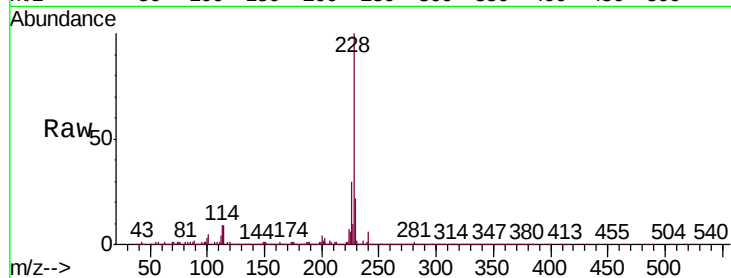
Tot Ion:228 Resp: 820881

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

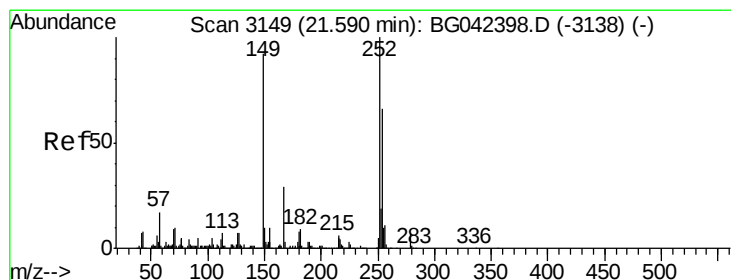
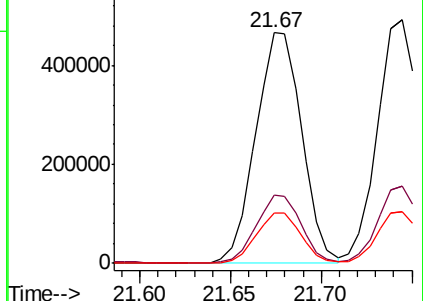
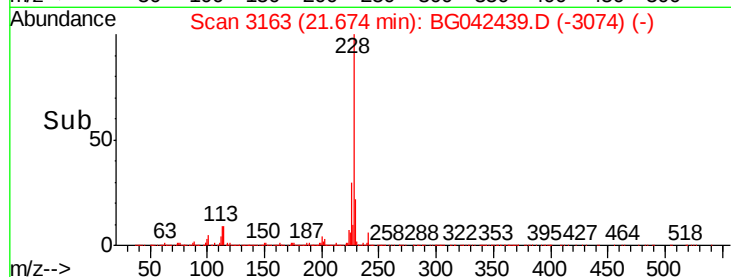
229 21.9 17.4 26.2



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: 29.816 ng

RT: 21.59 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

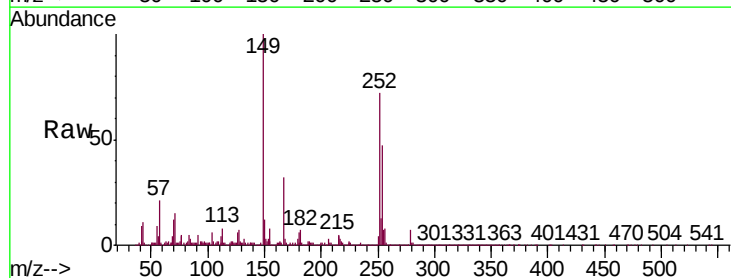
Tgt Ion:252 Resp: 321850

Ion Ratio Lower Upper

252 100

254 65.4 53.0 79.4

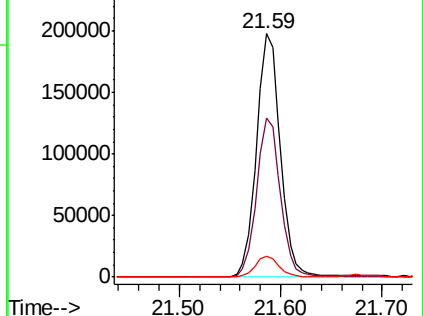
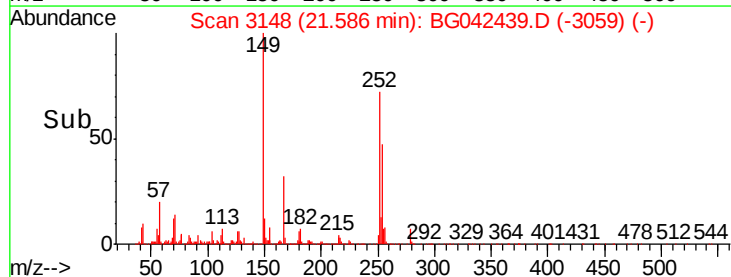
126 8.4 5.7 8.5

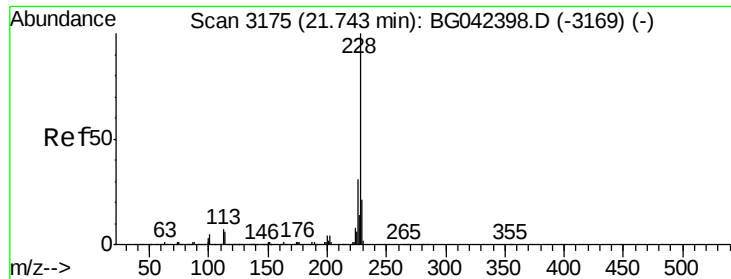


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 30.793 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

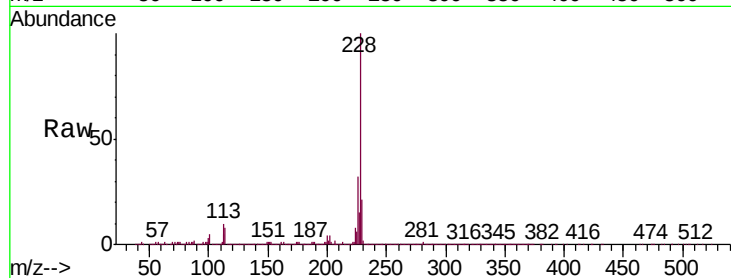
Tot Ion:228 Resp: 797063

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

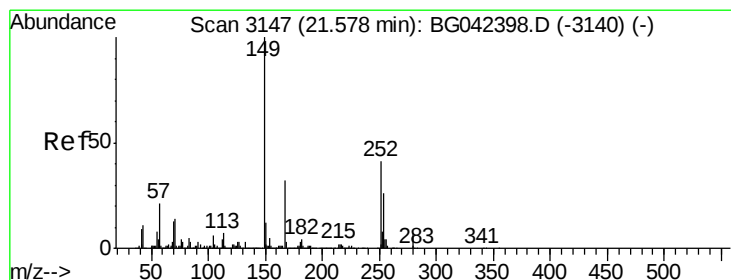
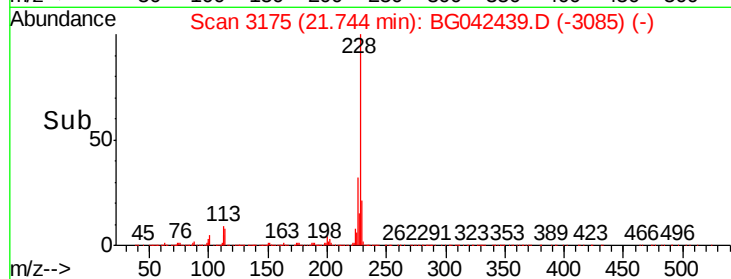
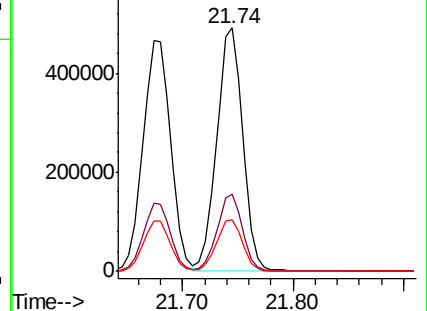
229 21.1 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 32.409 ng

RT: 21.58 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

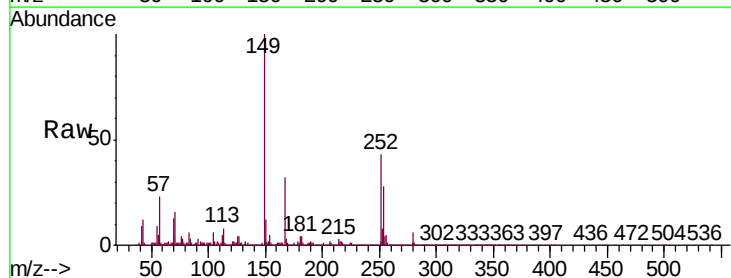
Tgt Ion:149 Resp: 478760

Ion Ratio Lower Upper

149 100

167 31.6 26.0 39.0

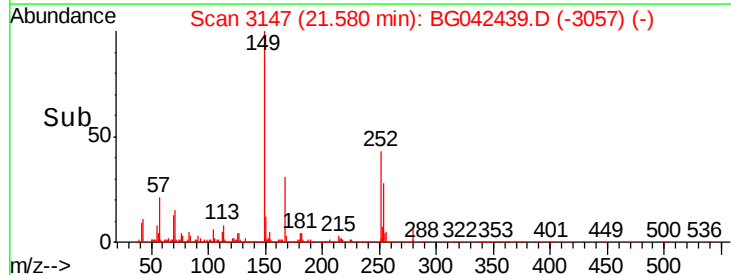
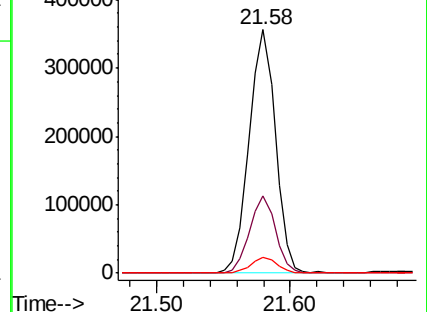
279 6.3 5.4 8.0

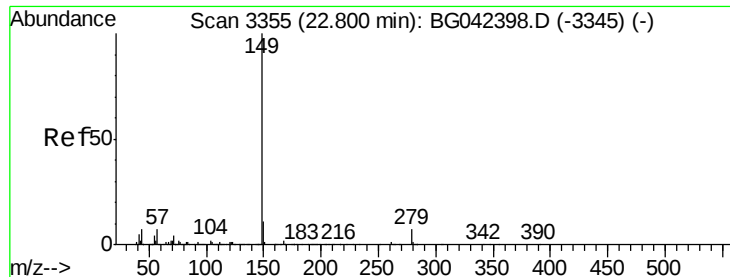


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 34.063 ng

RT: 22.80 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

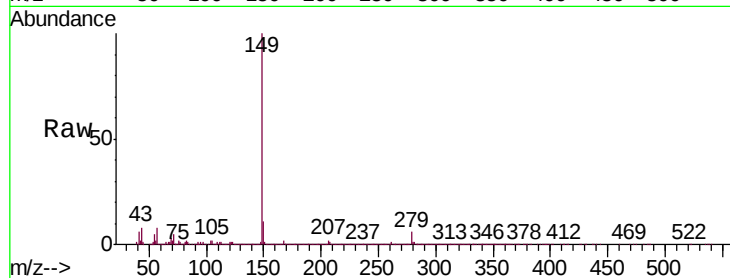
Tot Ion:149 Resp: 865458

Ion Ratio Lower Upper

149 100

167 1.8 1.6 2.4

43 6.8 5.3 7.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

600000

500000

400000

300000

200000

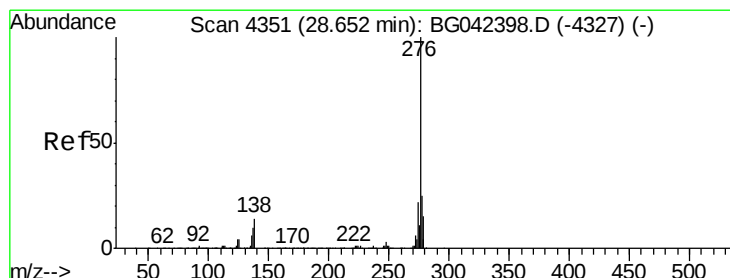
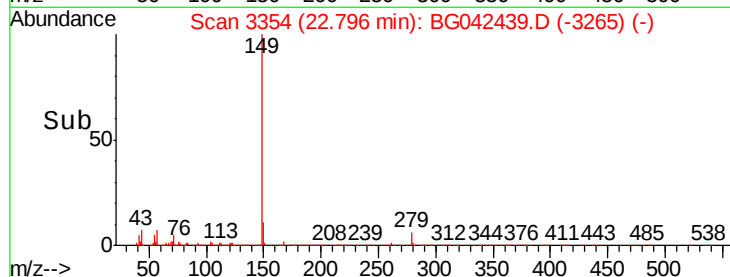
100000

0

22.70

22.80

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.566 ng

RT: 28.65 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

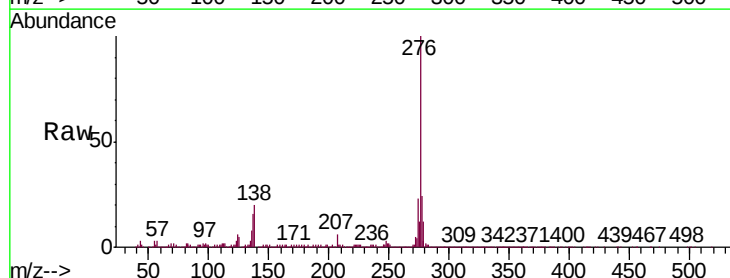
Tgt Ion:276 Resp: 1251092

Ion Ratio Lower Upper

276 100

138 11.7 9.2 13.8

277 26.0 21.0 31.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

250000

200000

150000

100000

50000

0

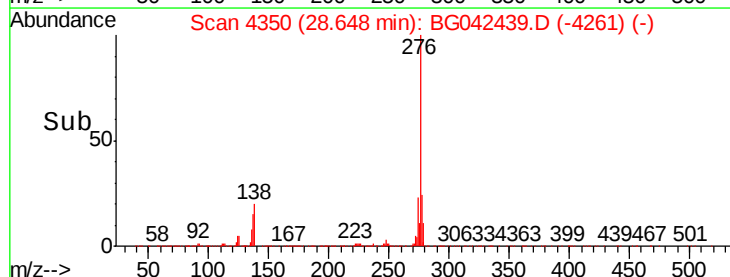
28.40

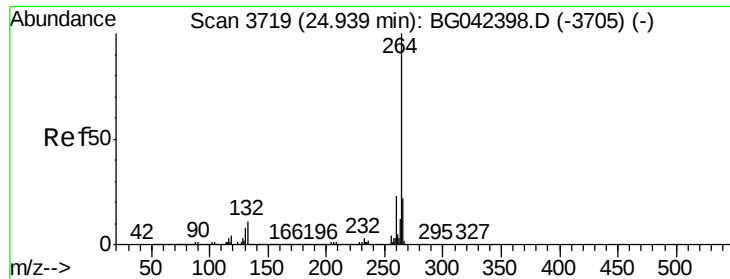
28.60

28.80

29.00

Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

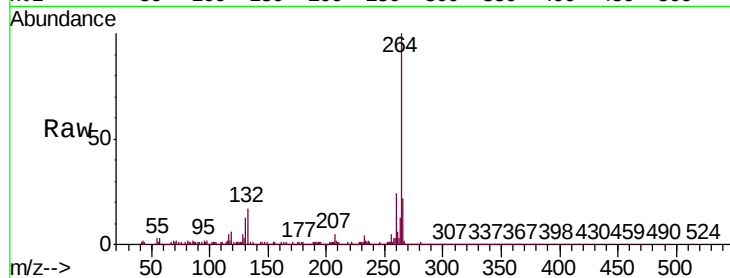
Tot Ion:264 Resp: 664772

Ion Ratio Lower Upper

264 100

260 24.3 18.5 27.7

265 21.8 17.6 26.4

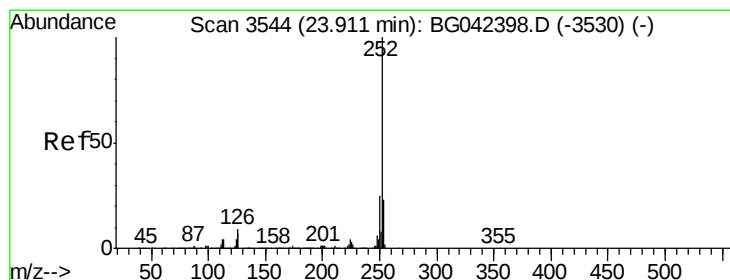
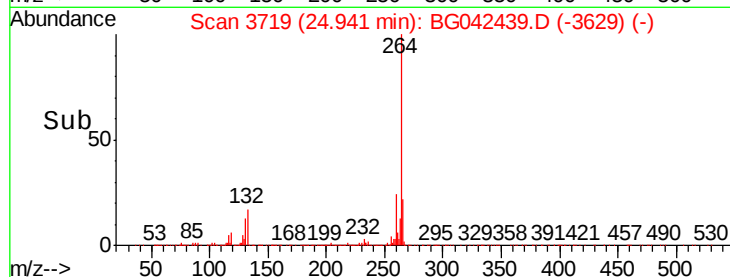
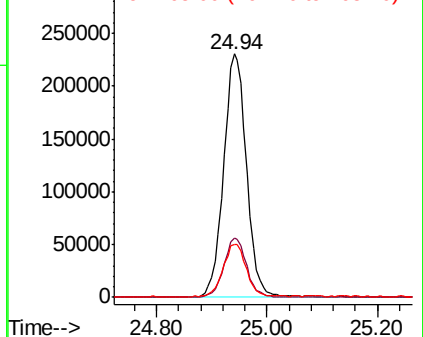


Abundance

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: 31.098 ng

RT: 23.91 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

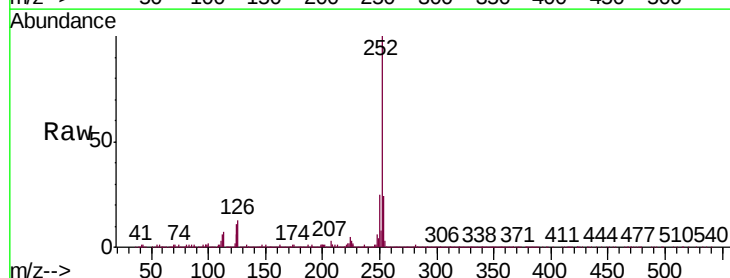
Tgt Ion:252 Resp: 1136536

Ion Ratio Lower Upper

252 100

253 23.7 18.6 27.8

125 11.2 5.6 8.4#

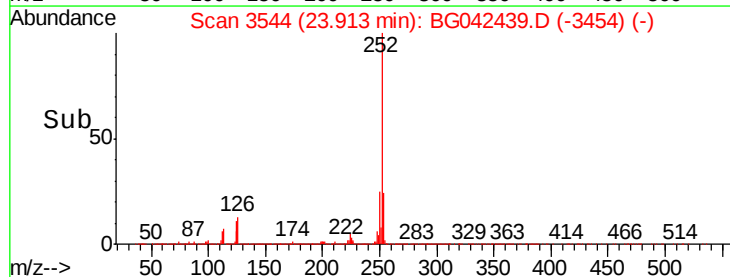
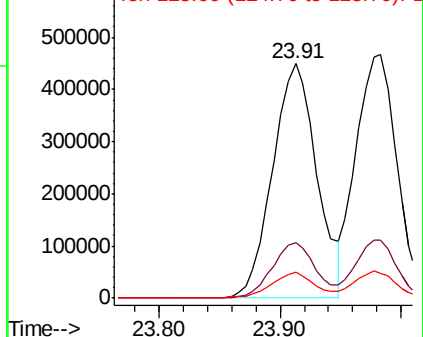


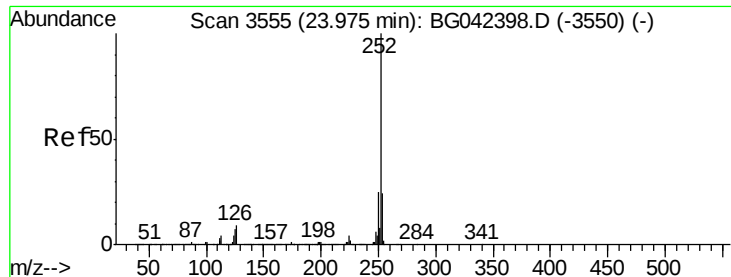
Abundance

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: 31.197 ng

RT: 23.98 min Scan# 3556

Delta R.T. 0.01 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

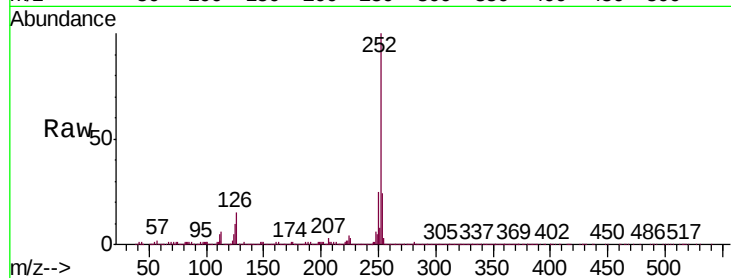
Tot Ion:252 Resp: 1095926

Ion Ratio Lower Upper

252 100

253 23.7 18.6 27.8

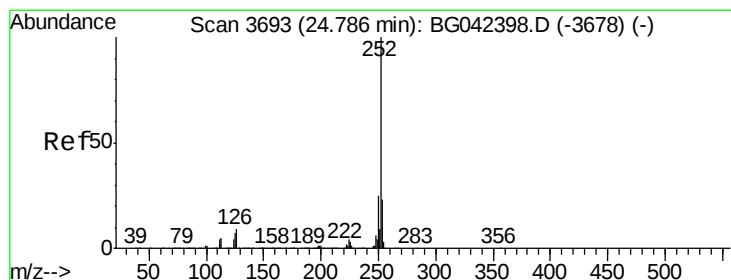
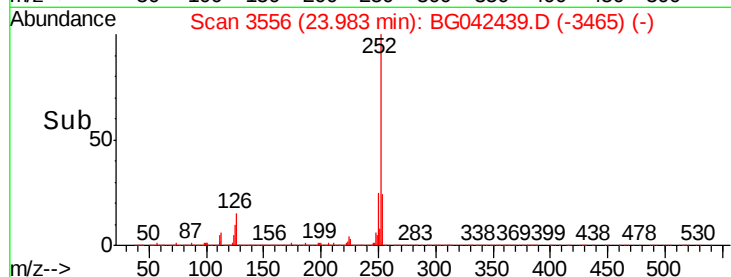
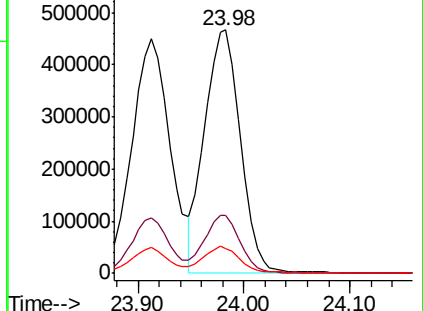
125 10.3 5.8 8.6#



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: 32.163 ng

RT: 24.79 min Scan# 3694

Delta R.T. 0.01 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

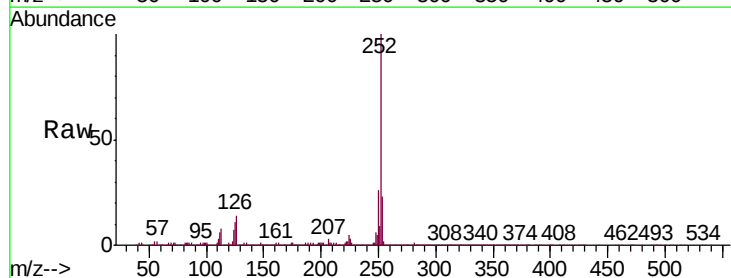
Tgt Ion:252 Resp: 1115419

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

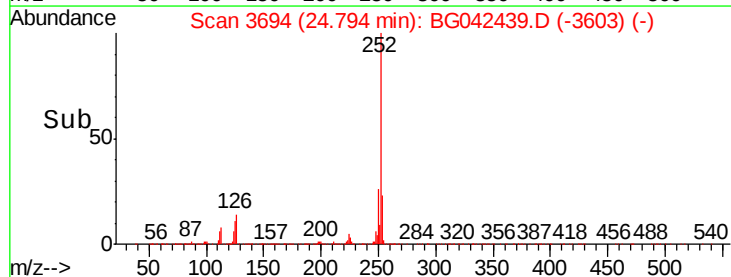
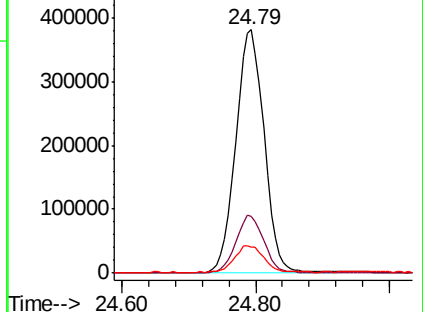
125 10.9 6.0 9.0#

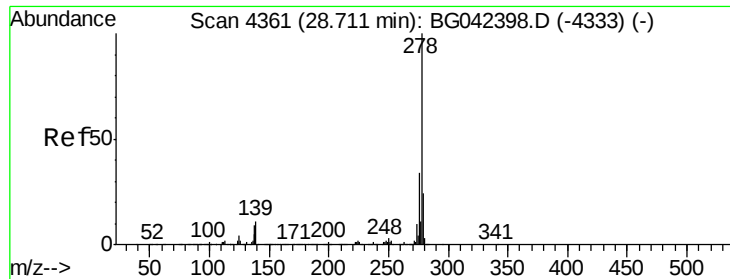


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 30.014 ng

RT: 28.71 min Scan# 4361

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-082019MSD

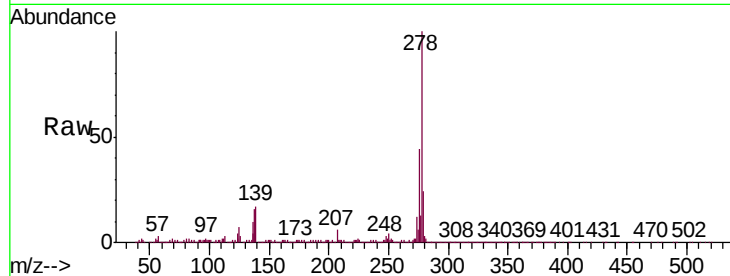
Tot Ion:278 Resp: 1053902

Ion Ratio Lower Upper

278 100

139 16.8 8.8 13.2#

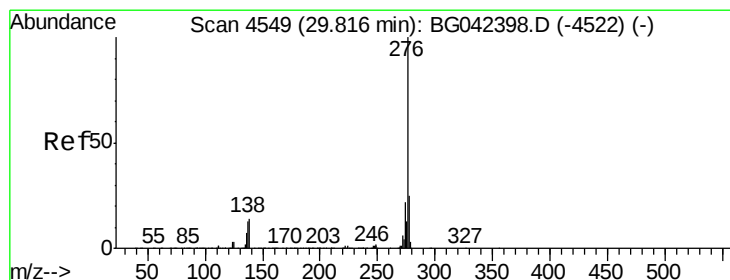
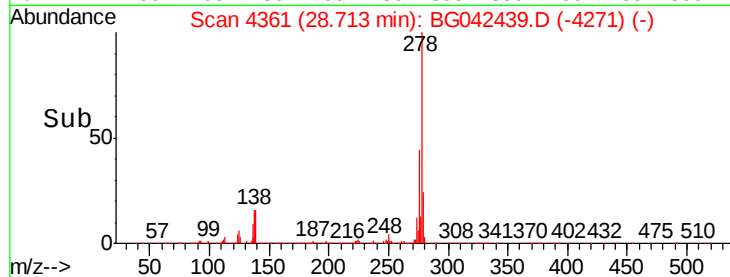
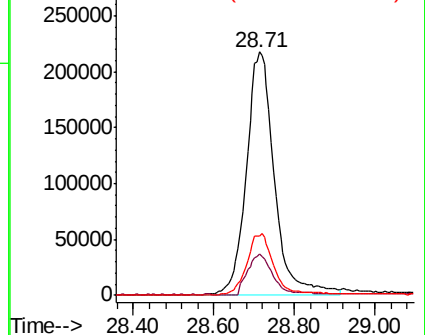
279 24.2 19.1 28.7



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: 27.119 ng

RT: 29.82 min Scan# 4549

Delta R.T. 0.00 min

Lab File: BG042439.D

Acq: 23 Aug 2019 18:47

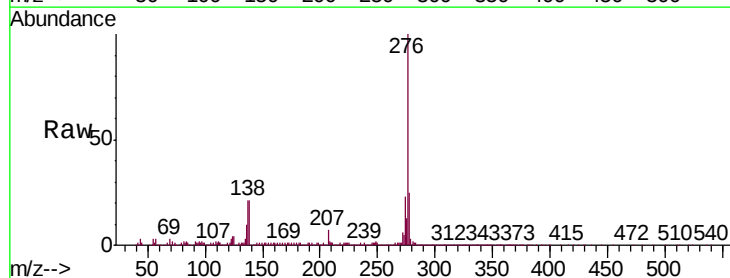
Tgt Ion:276 Resp: 952378

Ion Ratio Lower Upper

276 100

277 25.0 19.8 29.8

138 21.5 11.4 17.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

