

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020819\  
 Data File : BN004363.D  
 Acq On : 08 Feb 2019 14:48  
 Operator : JU/SJ  
 Sample : K1410-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 09 05:31:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Feb 09 04:41:24 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 26816    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 132109   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.39 | 164  | 86629    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.14 | 188  | 217148   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.34 | 240  | 283465   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.61 | 264  | 327812   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 1533   | 3.44  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 56610  | 23.69 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 28425  | 23.70 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 47251  | 24.38 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.44  | 113 | 46712  | 22.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.91  | 128 | 23718  | 27.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 23991  | 26.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 55506  | 26.82 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 60028  | 26.22 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.80 | 166 | 222901 | 30.34 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.08 | 160 | 251389 | 28.89 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.58 | 143 | 40123  | 28.53 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.38 | 176 | 196713 | 30.42 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 30846  | 24.36 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.24 | 188 | 345939 | 33.24 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.54 | 212 | 438323 | 34.50 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.47 | 264 | 597238 | 34.71 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 9113   | 16.604 | ng/uL 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.18  | 93  | 58254  | 34.128 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.31  | 128 | 62876  | 32.586 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.27  | 45  | 50444  | 24.934 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 24123  | 18.369 | ng/ul 99  |
| 17) Hexachloroethane           | 8.82  | 117 | 15757  | 23.324 | ng/ul 93  |
| 20) Nitrobenzene               | 8.95  | 77  | 56140  | 29.340 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.95  | 93  | 60031  | 23.603 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.17 | 162 | 60929  | 29.815 | ng/ul 99  |
| 28) Naphthalene                | 10.59 | 128 | 148096 | 21.742 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.86 | 225 | 23545  | 17.821 | ng/ul 98  |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216 | 33734  | 11.697 | ng/ul 98  |
| 38) Hexachlorocyclopentadiene  | 12.54 | 237 | 35212  | 19.638 | ng/ul 99  |
| 39) 2,4,6-Trichlorophenol      | 12.81 | 196 | 82686  | 48.525 | ng/ul 98  |
| 40) 2,4,5-Trichlorophenol      | 12.87 | 196 | 53446  | 27.920 | ng/ul 97  |
| 42) 2-Chloronaphthalene        | 13.26 | 162 | 130995 | 24.059 | ng/ul 99  |
| 45) Dimethylphthalate          | 13.85 | 163 | 251056 | 34.567 | ng/ul 99  |
| 46) 2,6-Dinitrotoluene         | 13.97 | 165 | 22558  | 17.617 | ng/ul 98  |
| 48) Acenaphthylene             | 14.11 | 152 | 188004 | 22.748 | ng/ul 100 |
| 50) Acenaphthene               | 14.45 | 153 | 110715 | 18.597 | ng/ul 99  |
| 54) Dibenzofuran               | 14.79 | 168 | 183765 | 21.339 | ng/ul 99  |
| 55) 2,4-Dinitrotoluene         | 14.76 | 165 | 30612  | 15.239 | ng/ul 99  |
| 57) Diethylphthalate           | 15.21 | 149 | 187072 | 26.101 | ng/ul 99  |

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 Sample : K1410-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

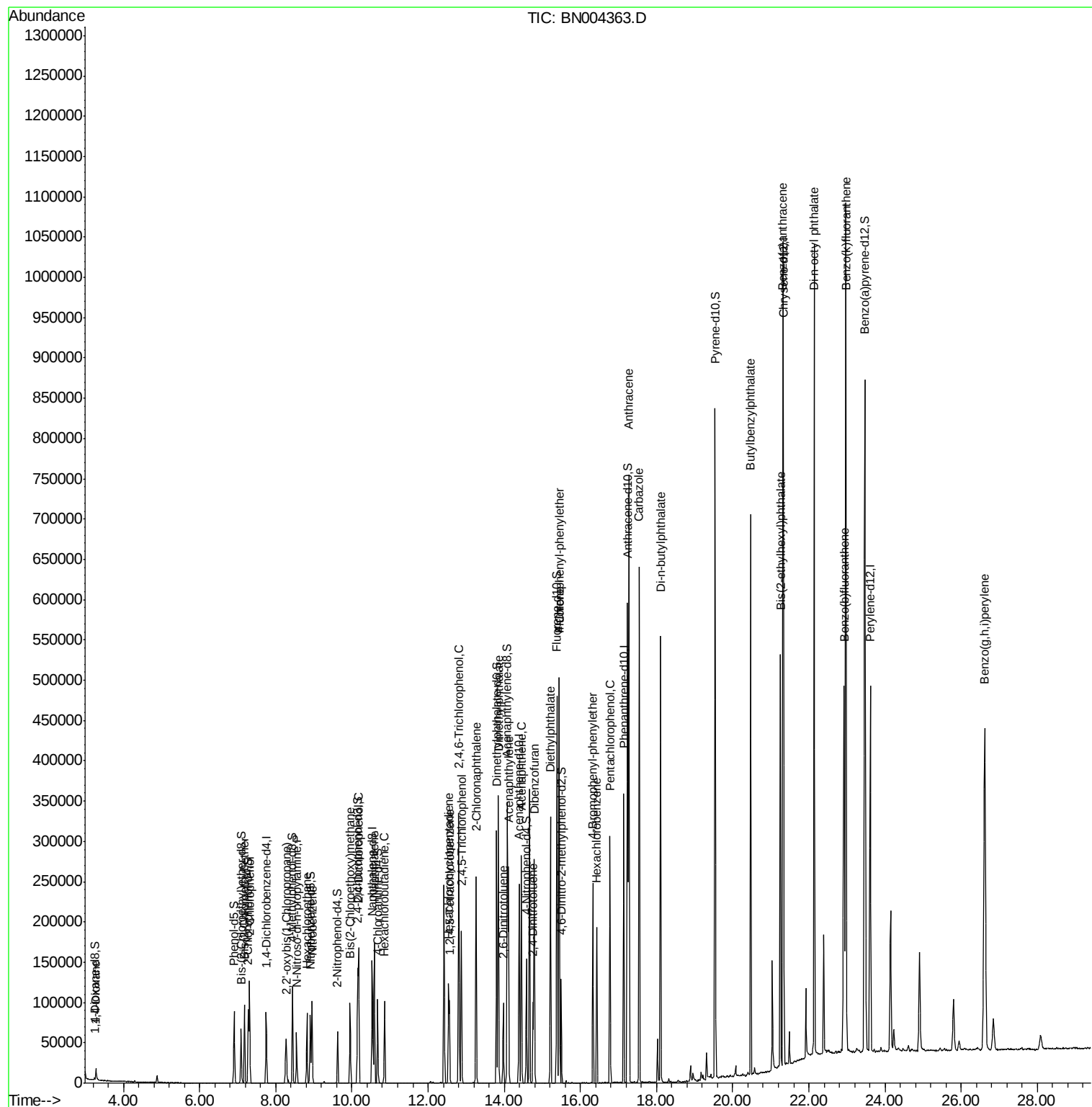
Quant Time: Feb 09 05:31:44 2019  
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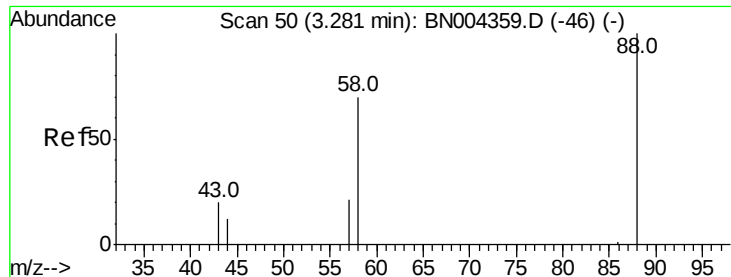
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 59) Fluorene                   | 15.44 | 166  | 161143   | 23.091 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.43 | 204  | 49922    | 13.519 | ng/ul | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.33 | 248  | 52918    | 21.810 | ng/ul | 99       |
| 67) Hexachlorobenzene          | 16.43 | 284  | 43875    | 15.438 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.77 | 266  | 57695    | 34.826 | ng/ul | 99       |
| 72) Anthracene                 | 17.27 | 178  | 468839   | 38.652 | ng/ul | 100      |
| 75) Carbazole                  | 17.55 | 167  | 400595   | 36.964 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.10 | 149  | 400904   | 33.696 | ng/ul | 100      |
| 81) Butylbenzylphthalate       | 20.47 | 149  | 216869   | 40.260 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.32 | 228  | 491284   | 28.121 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 199289   | 24.683 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.14 | 149  | 691683   | 44.070 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.92 | 252  | 290269   | 14.952 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.97 | 252  | 745875   | 39.520 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.62 | 276  | 512700   | 25.432 | ng/ul | 99       |
| -----                          |       |      |          |        |       |          |

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

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#2

1,4-Dioxane

Concen: 16.604 ng/uL

RT: 3.28 min Scan# 50

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

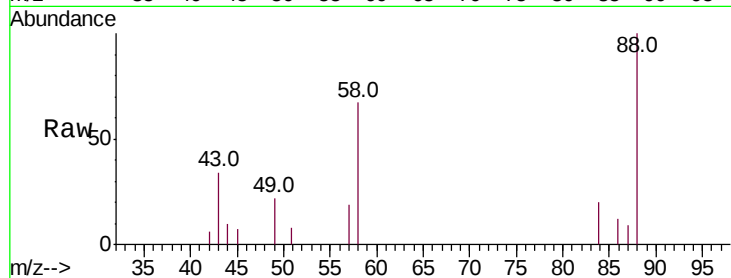
Tot Ion: 88 Resp: 9113

Ion Ratio Lower Upper

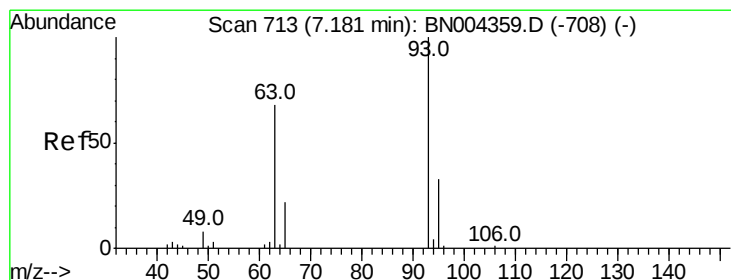
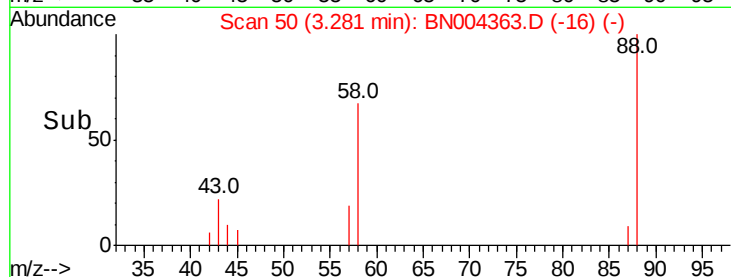
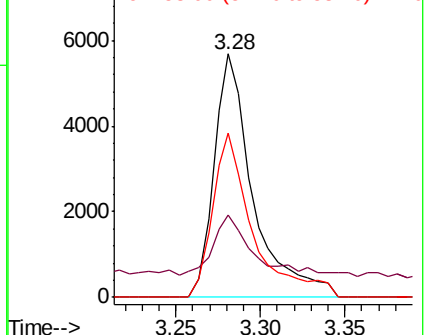
88 100

43 33.9 25.6 38.4

58 67.3 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0



#8

Bis(2-Chloroethyl)ether

Concen: 34.128 ng/uL

RT: 7.18 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

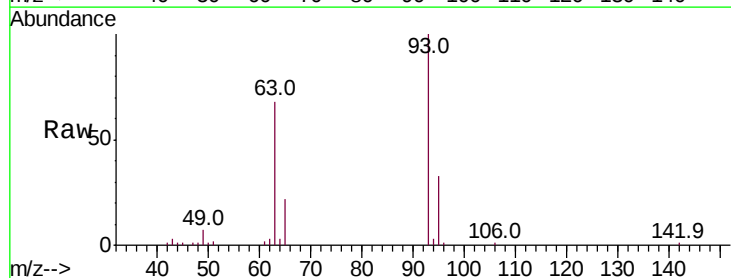
Tgt Ion: 93 Resp: 58254

Ion Ratio Lower Upper

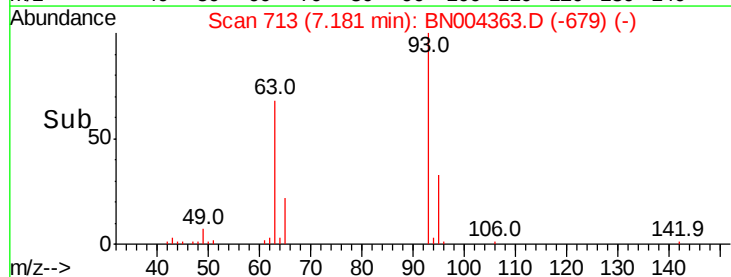
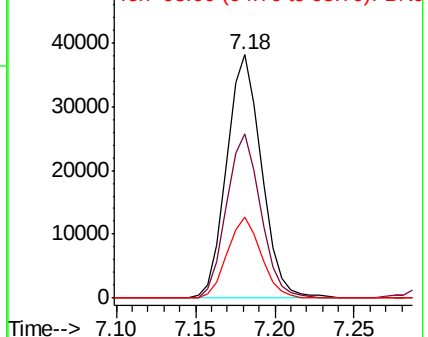
93 100

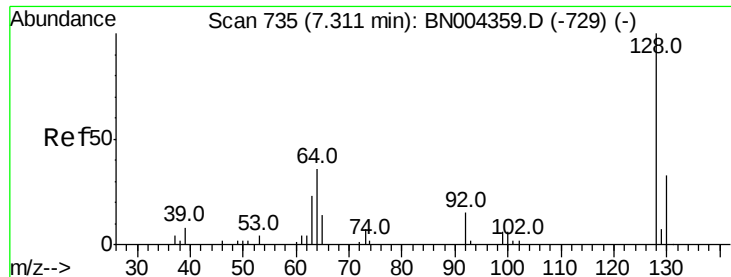
63 67.6 52.8 79.2

95 33.1 25.9 38.9



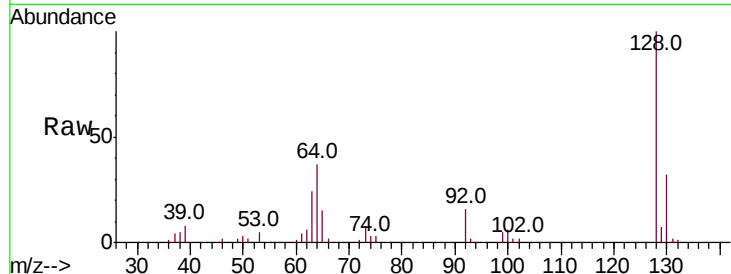
Abundance Ion 93.00 (92.70 to 93.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0  
Ion 95.00 (94.70 to 95.70): BN0



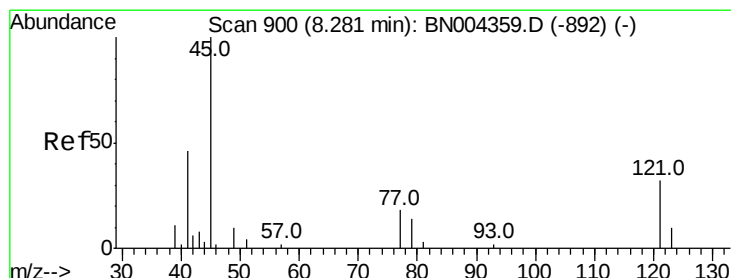
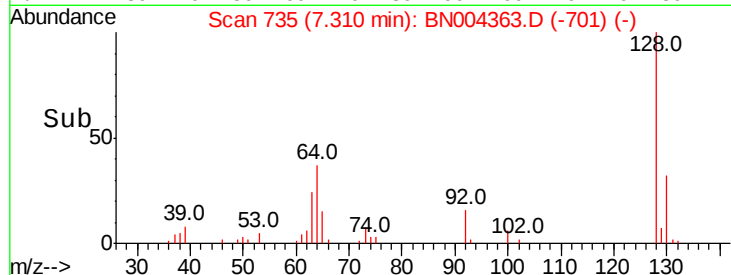
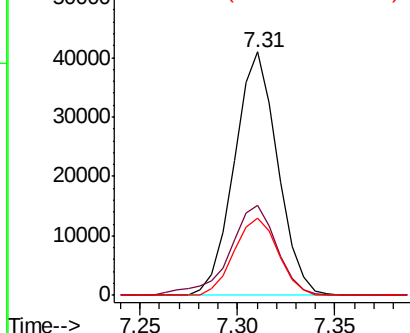


#10  
2-Chlorophenol  
Concen: 32.586 ng/ul  
RT: 7.31 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tot Ion:128 Resp: 62876  
Ion Ratio Lower Upper  
128 100  
64 37.1 31.0 46.6  
130 31.9 26.1 39.1

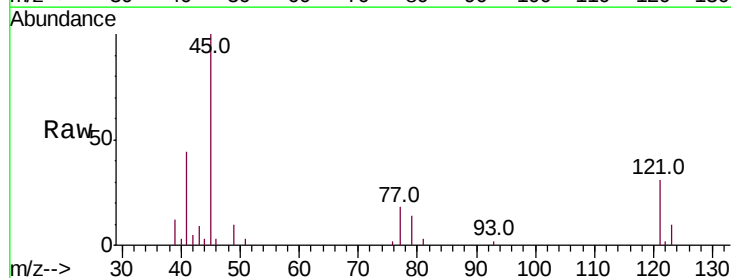


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 130.00 (129.70 to 130.70): E

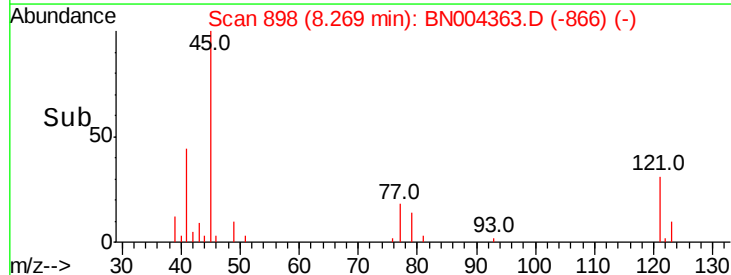
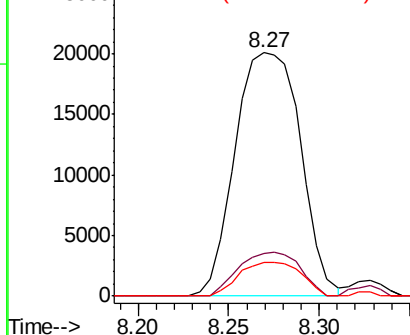


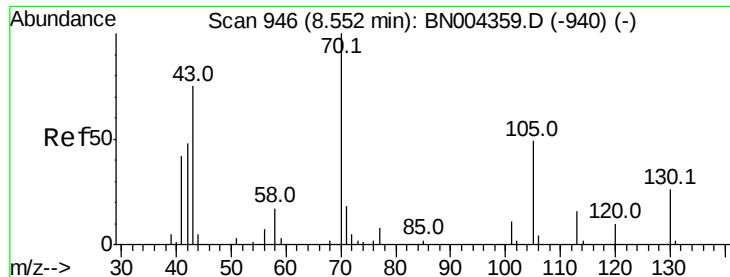
#12  
2,2'-oxybis(1-chloropropane)  
Concen: 24.934 ng/ul  
RT: 8.27 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tgt Ion: 45 Resp: 50444  
Ion Ratio Lower Upper  
45 100  
77 17.7 14.1 21.1  
79 13.8 10.8 16.2



Abundance Ion 45.00 (44.70 to 45.70): BNC  
Ion 77.00 (76.70 to 77.70): BNC  
Ion 79.00 (78.70 to 79.70): BNC

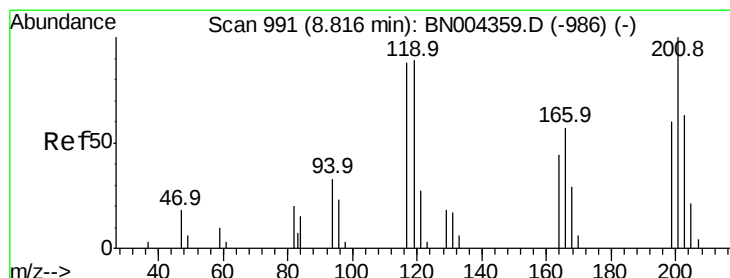
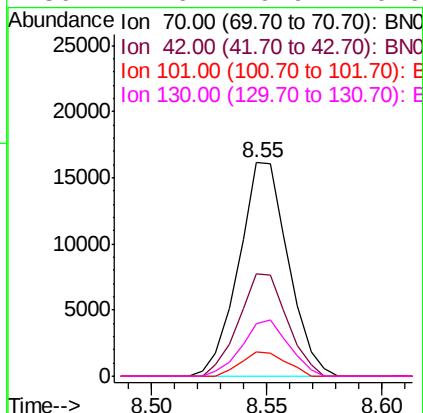
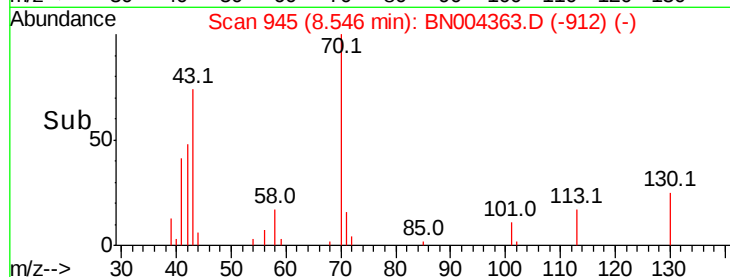
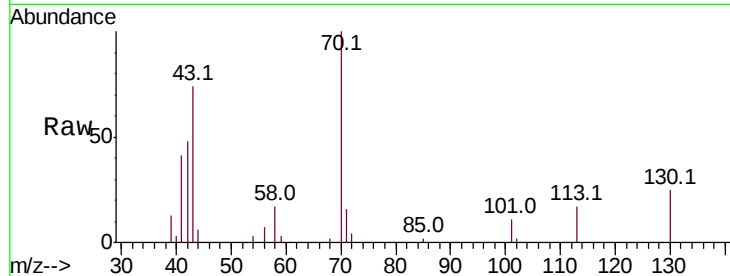




#15  
N-Nitroso-di-n-propylamine  
Concen: 18.369 ng/ul  
RT: 8.55 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tot Ion: 70 Resp: 24123

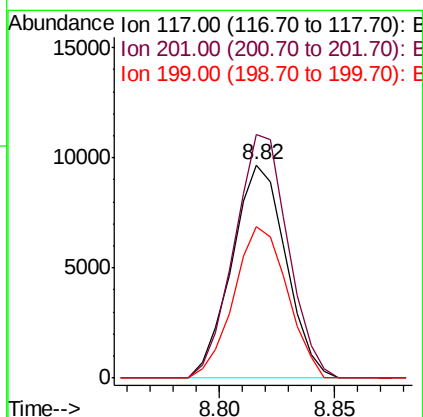
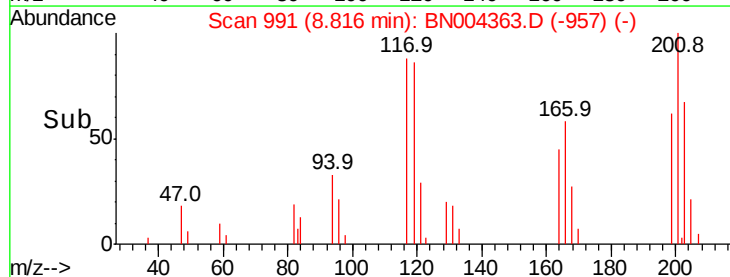
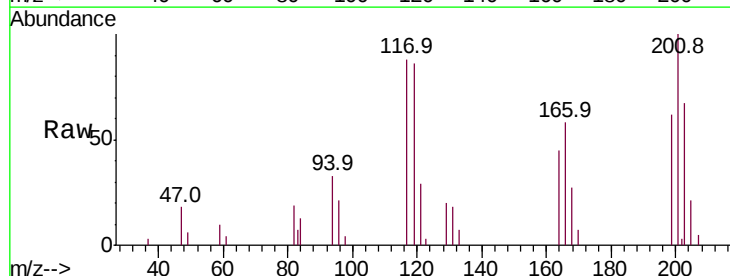
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 47.8  | 38.6  | 58.0  |
| 101 | 11.2  | 8.4   | 12.6  |
| 130 | 24.6  | 19.9  | 29.9  |

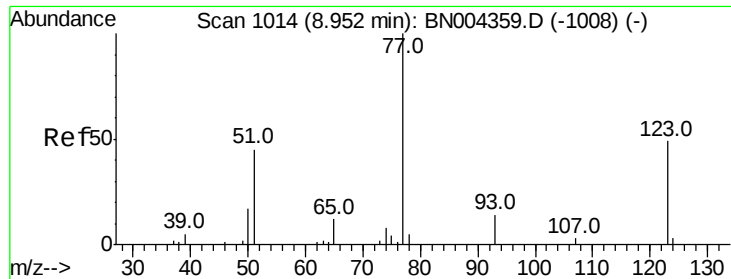


#17  
Hexachloroethane  
Concen: 23.324 ng/ul  
RT: 8.82 min Scan# 991  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tgt Ion: 117 Resp: 15757

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 114.3 | 85.0  | 127.6 |
| 199 | 71.2  | 53.8  | 80.8  |





#20

Nitrobenzene

Concen: 29.340 ng/ul

RT: 8.95 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

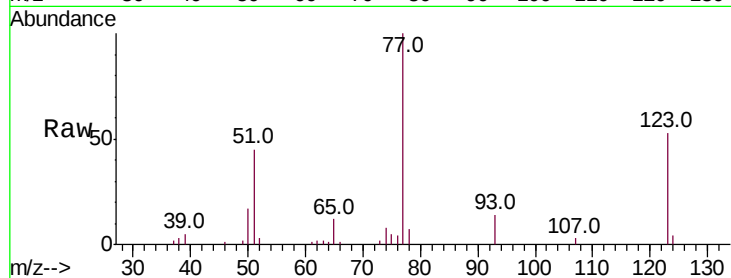
Tot Ion: 77 Resp: 56140

Ion Ratio Lower Upper

77 100

123 52.5 41.6 62.4

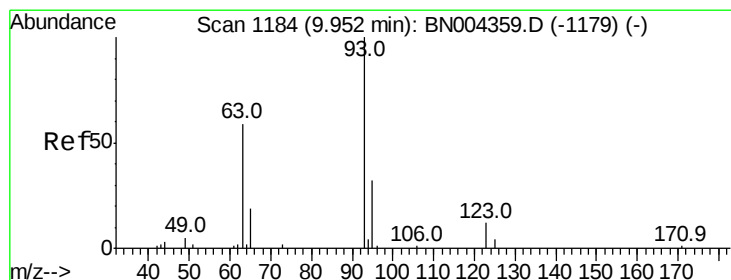
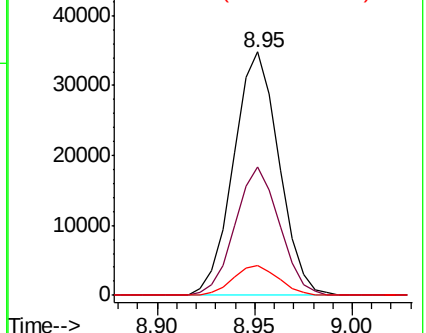
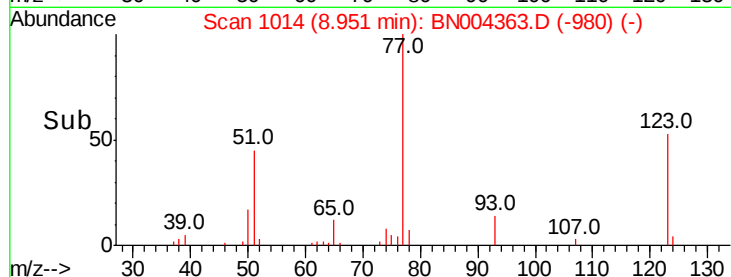
65 12.3 10.2 15.4



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 123.00 (122.70 to 123.70): BN0

Ion 65.00 (64.70 to 65.70): BN0



#25

Bis(2-Chloroethoxy)methane

Concen: 23.603 ng/ul

RT: 9.95 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

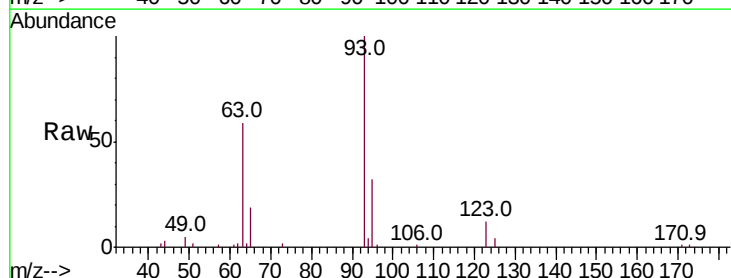
Tgt Ion: 93 Resp: 60031

Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.4

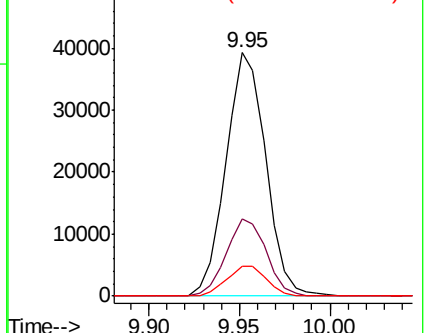
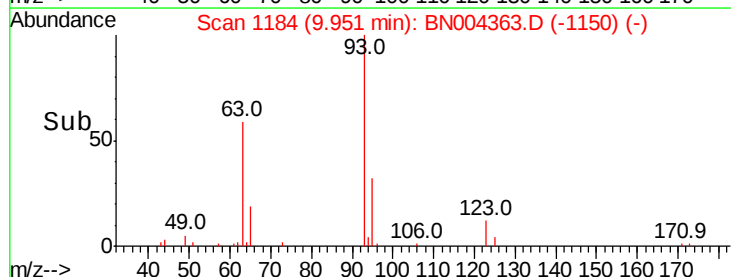
123 12.2 10.0 15.0

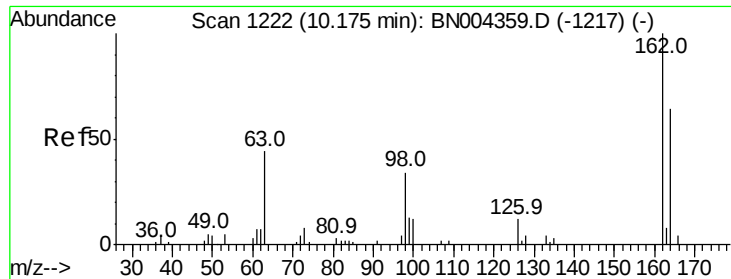


Abundance Ion 93.00 (92.70 to 93.70): BN0

Ion 95.00 (94.70 to 95.70): BN0

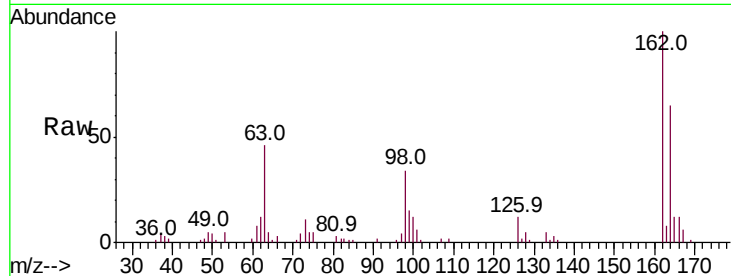
Ion 123.00 (122.70 to 123.70): BN0



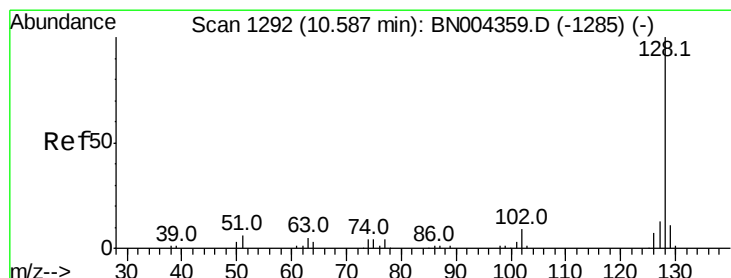
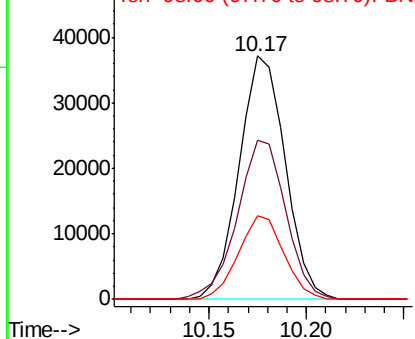
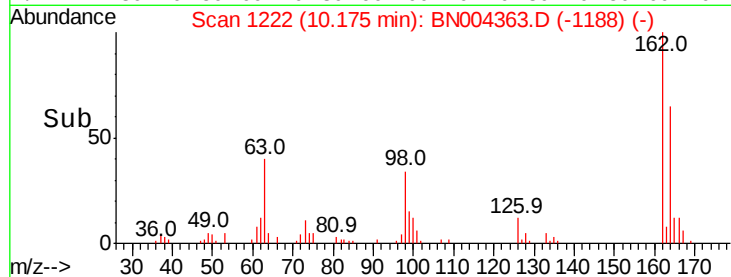


#27  
 2,4-Dichlorophenol  
 Concen: 29.815 ng/ul  
 RT: 10.17 min Scan# 1222  
 Delta R.T. -0.00 min  
 Lab File: BN004363.D  
 Acq: 08 Feb 2019 14:48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.4  | 53.0  | 79.4  |
| 98      | 34.3  | 27.0  | 40.4  |

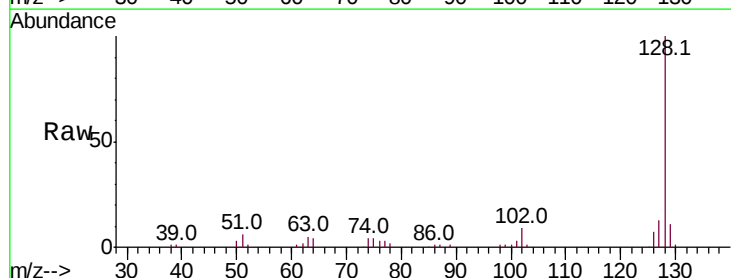


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

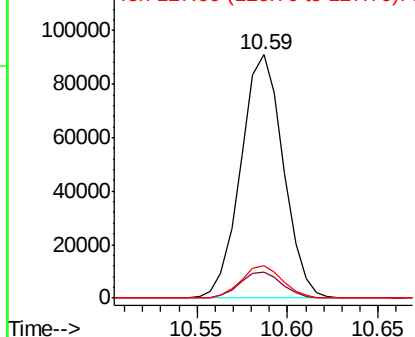
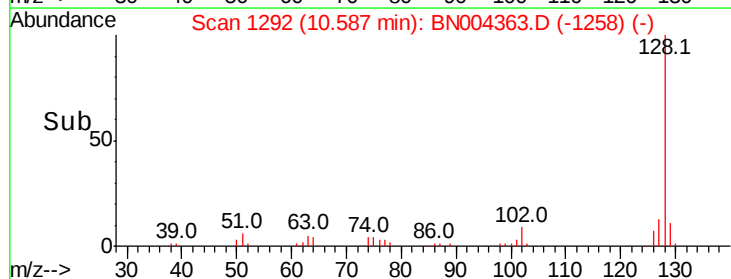


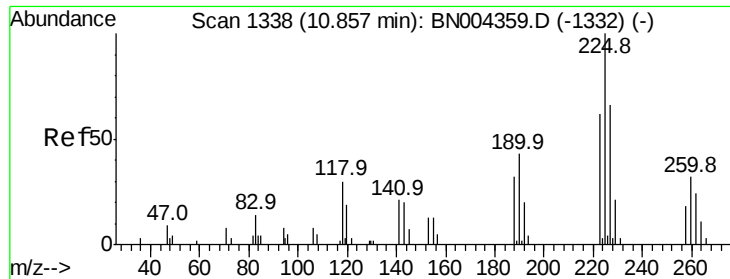
#28  
 Naphthalene  
 Concen: 21.742 ng/ul  
 RT: 10.59 min Scan# 1292  
 Delta R.T. -0.00 min  
 Lab File: BN004363.D  
 Acq: 08 Feb 2019 14:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 8.7   | 13.1  |
| 127     | 13.2  | 10.2  | 15.4  |



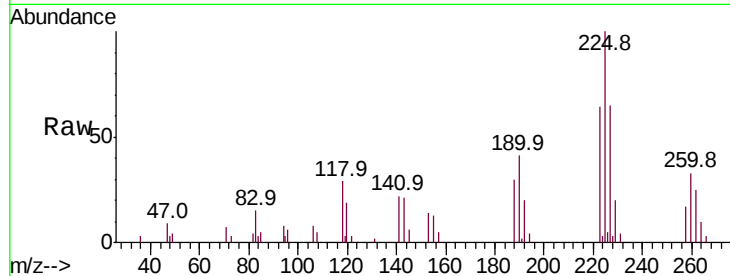
Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E



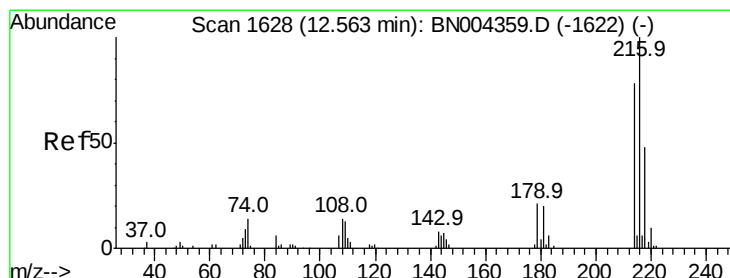
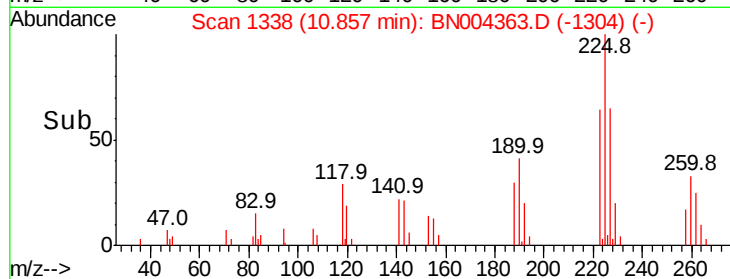
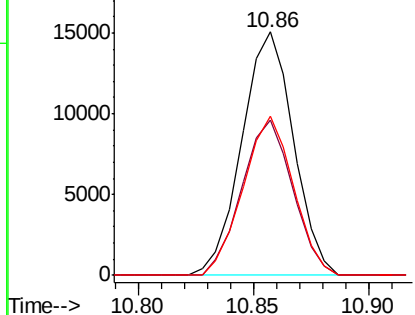


#31  
Hexachlorobutadiene  
Concen: 17.821 ng/ul  
RT: 10.86 min Scan# 1338  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 49.8  | 74.6  |
| 227     | 65.2  | 50.2  | 75.2  |



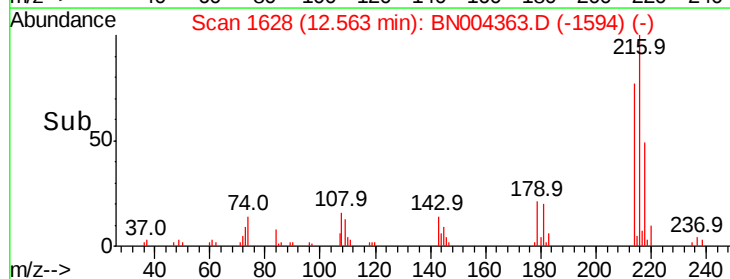
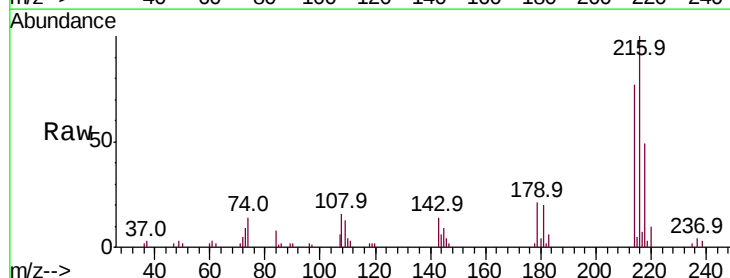
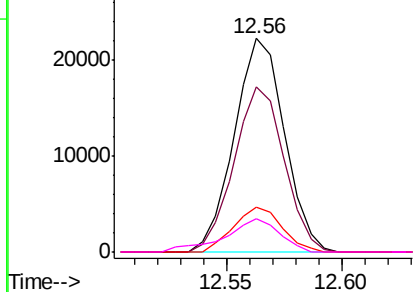
Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

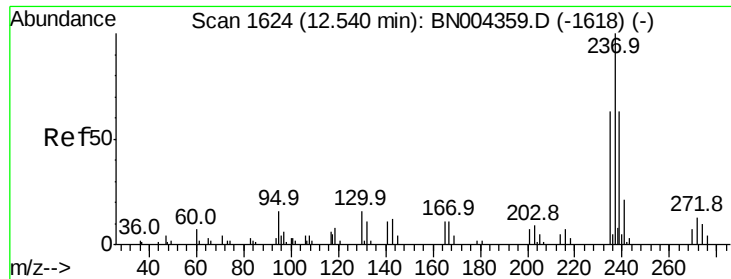


#37  
1,2,4,5-Tetrachlorobenzene  
Concen: 11.697 ng/ul  
RT: 12.56 min Scan# 1628  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.2  | 60.9  | 91.3  |
| 179     | 21.2  | 16.2  | 24.4  |
| 108     | 15.6  | 11.5  | 17.3  |

Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E





#38

Hexachlorocyclopentadiene

Concen: 19.638 ng/ul

RT: 12.54 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

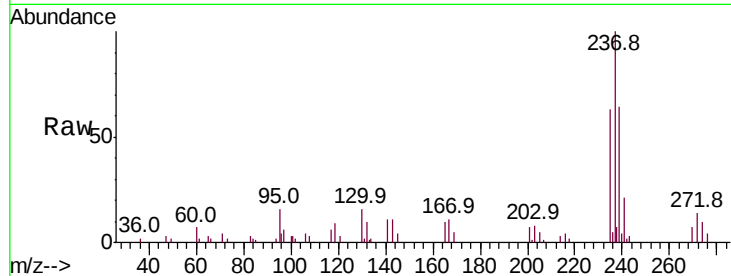
Tot Ion:237 Resp: 35212

Ion Ratio Lower Upper

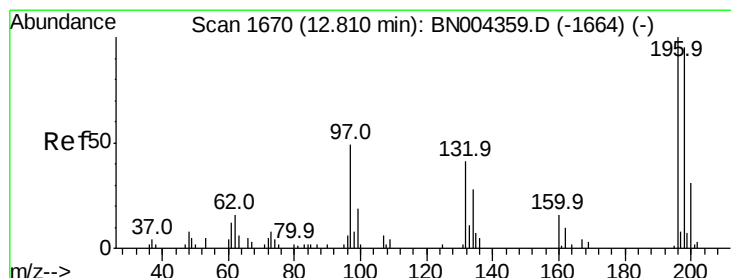
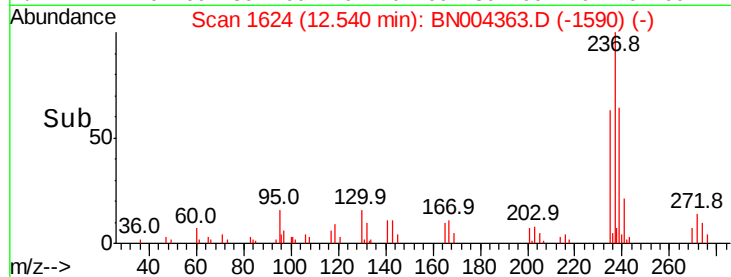
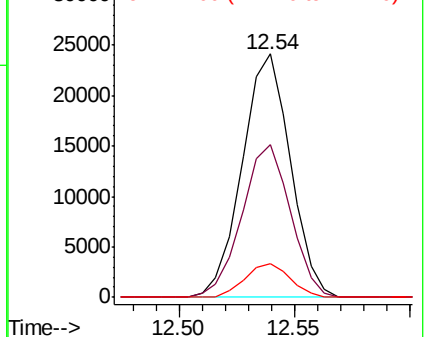
237 100

235 62.6 50.8 76.2

272 13.6 10.4 15.6



Abundance Ion 237.00 (236.70 to 237.70): E  
Ion 235.00 (234.70 to 235.70): E  
Ion 272.00 (271.70 to 272.70): E



#39

2,4,6-Trichlorophenol

Concen: 48.525 ng/ul

RT: 12.81 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

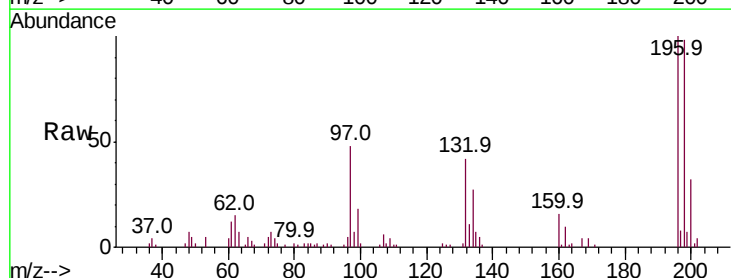
Tgt Ion:196 Resp: 82686

Ion Ratio Lower Upper

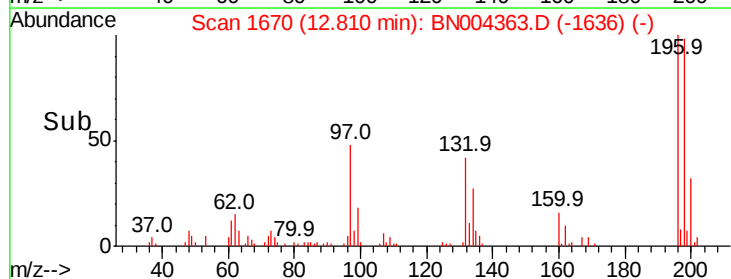
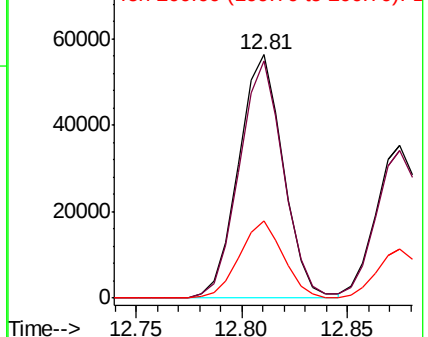
196 100

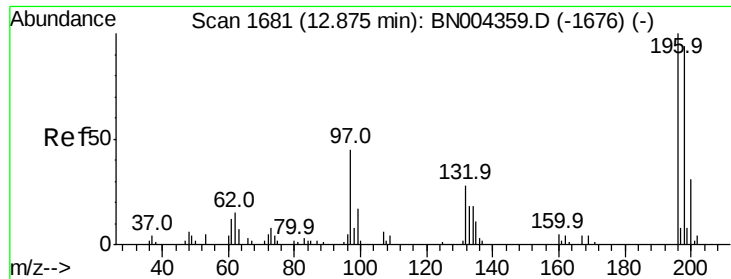
198 97.6 76.6 115.0

200 31.8 24.5 36.7



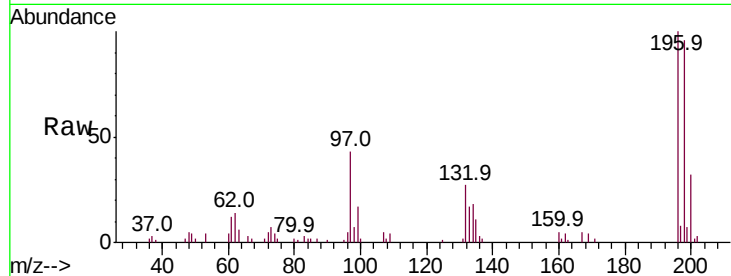
Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E



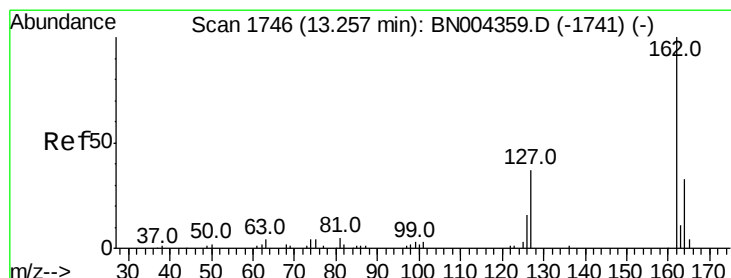
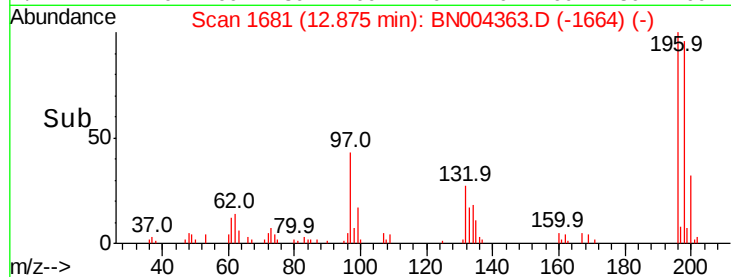
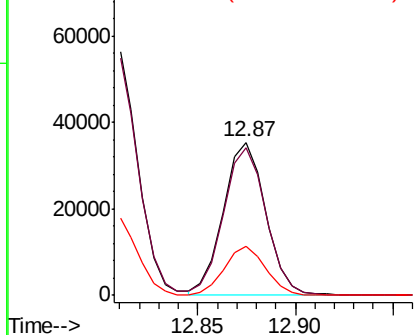


#40  
2,4,5-Trichlorophenol  
Concen: 27.920 ng/ul  
RT: 12.87 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.0  | 79.9  | 119.9 |
| 200     | 31.9  | 25.9  | 38.9  |

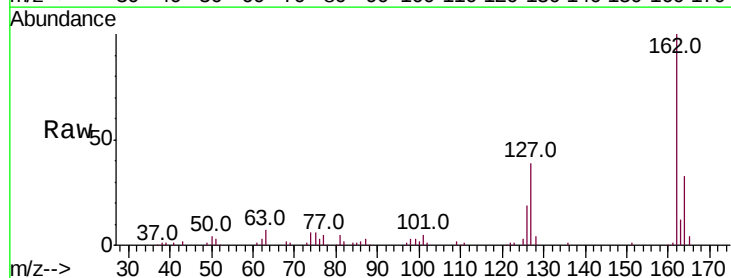


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E

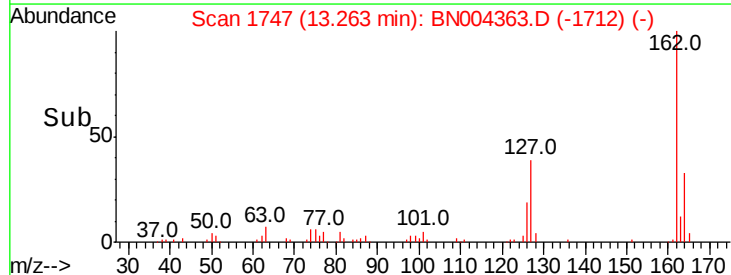
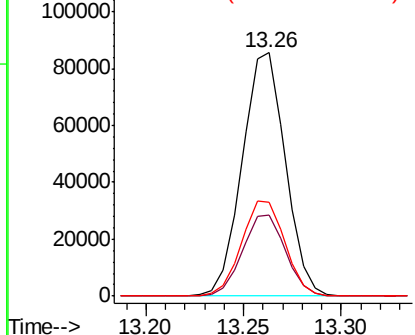


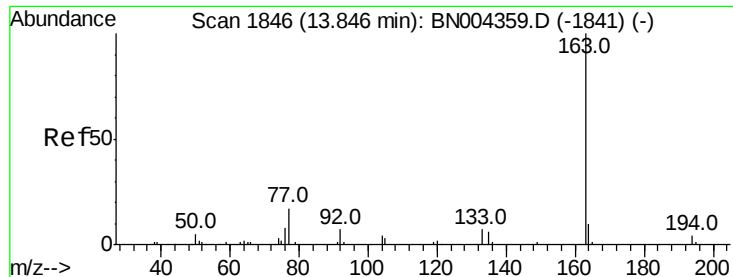
#42  
2-Chloronaphthalene  
Concen: 24.059 ng/ul  
RT: 13.26 min Scan# 1747  
Delta R.T. 0.01 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 33.2  | 26.4  | 39.6  |
| 127     | 38.7  | 31.8  | 47.6  |



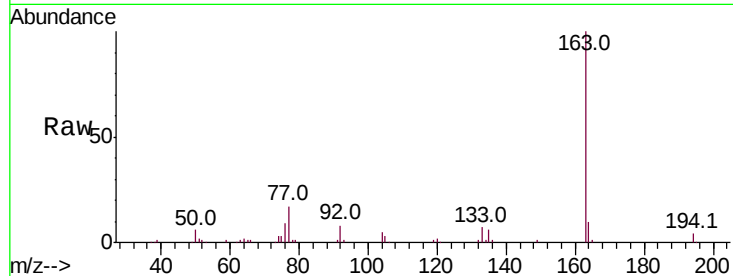
Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 127.00 (126.70 to 127.70): E



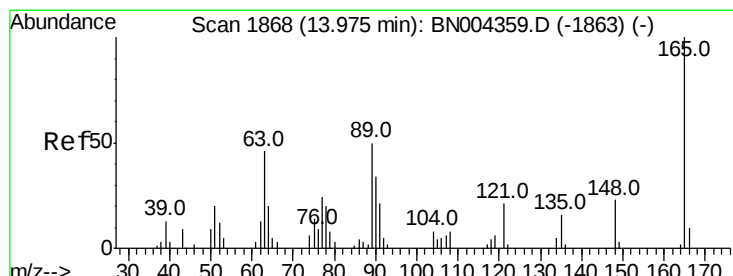
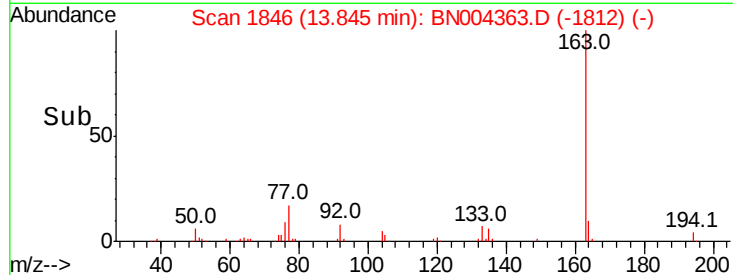
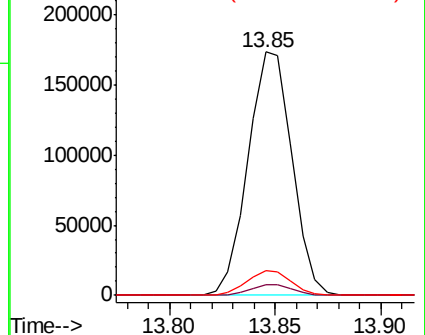


#45  
Dimethylphthalate  
Concen: 34.567 ng/ul  
RT: 13.85 min Scan# 1846  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tot Ion:163 Resp: 251056  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.4 5.2  
164 10.3 7.9 11.9

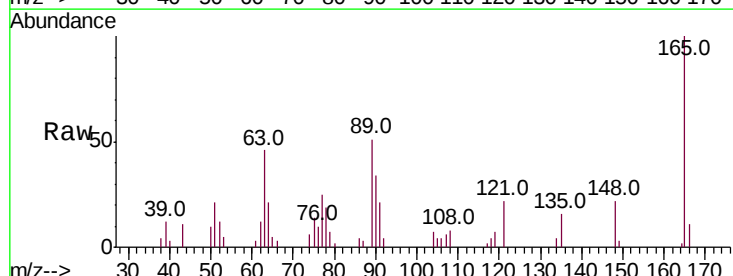


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

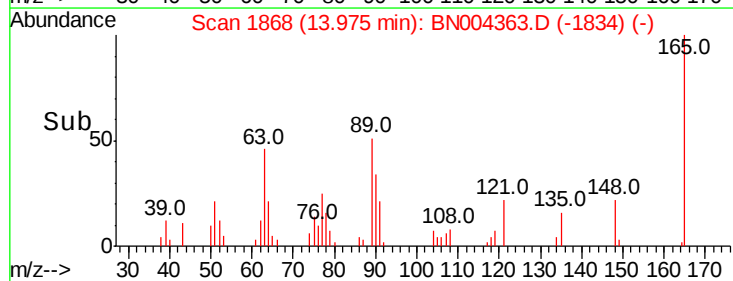
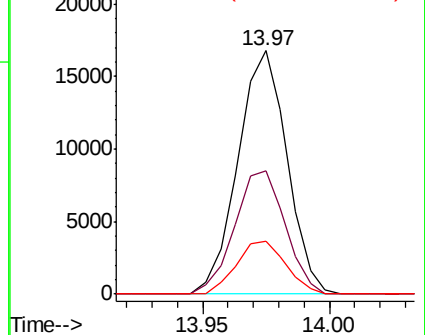


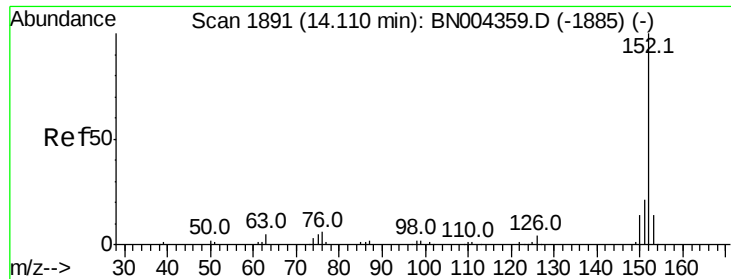
#46  
2,6-Dinitrotoluene  
Concen: 17.617 ng/ul  
RT: 13.97 min Scan# 1868  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tgt Ion:165 Resp: 22558  
Ion Ratio Lower Upper  
165 100  
89 50.6 42.0 63.0  
121 22.0 17.0 25.6



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 89.00 (88.70 to 89.70): BNC  
Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 22.748 ng/ul

RT: 14.11 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

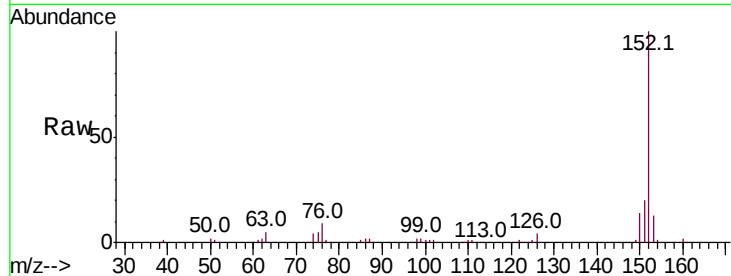
Tot Ion:152 Resp: 188004

Ion Ratio Lower Upper

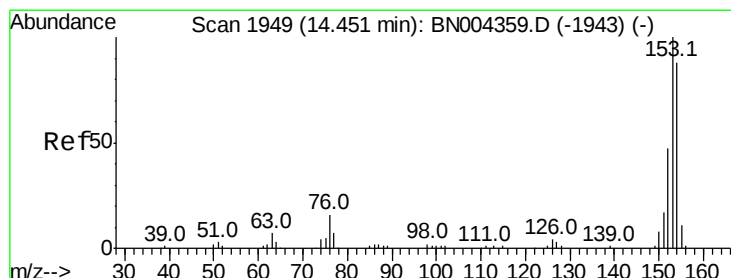
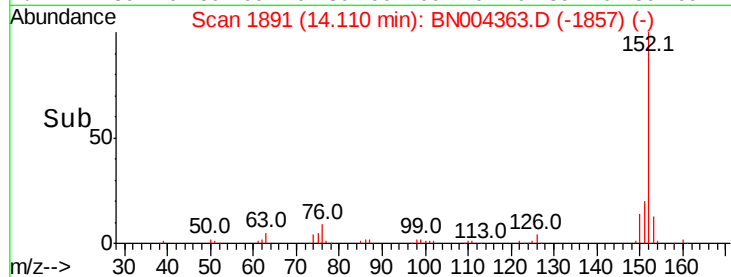
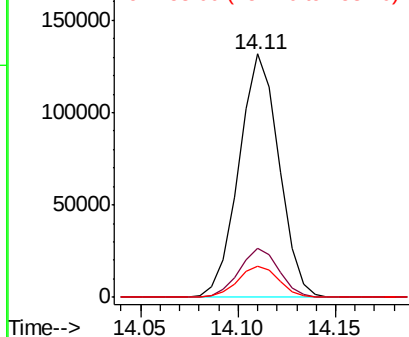
152 100

151 20.2 16.1 24.1

153 13.0 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

Acenaphthene

Concen: 18.597 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

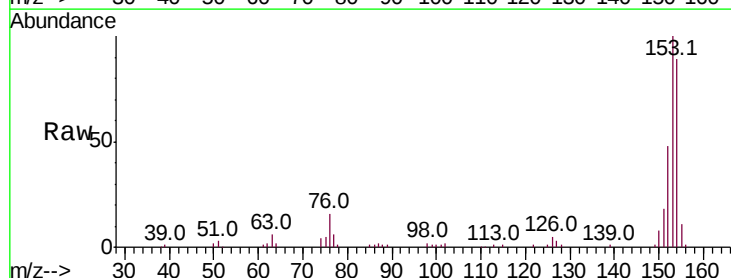
Tgt Ion:153 Resp: 110715

Ion Ratio Lower Upper

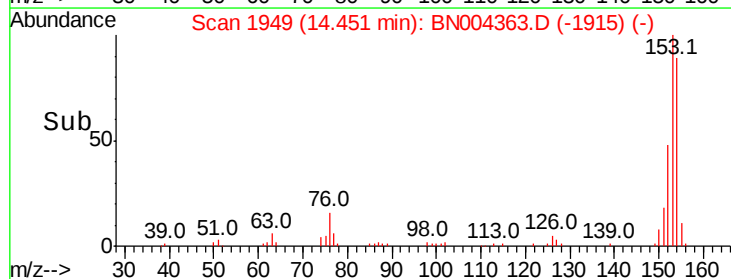
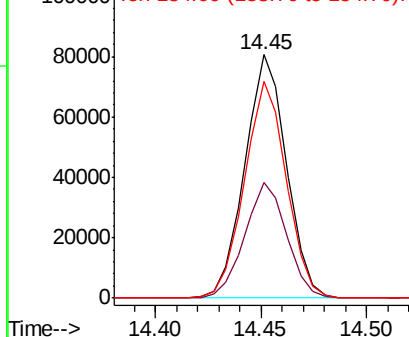
153 100

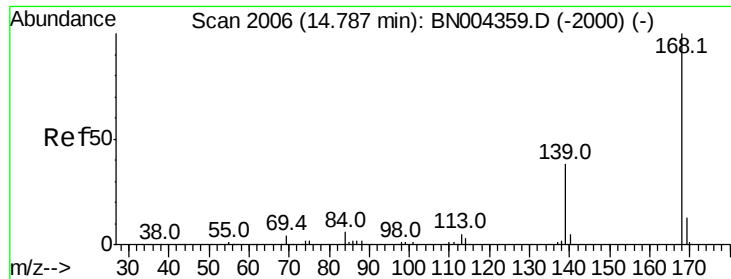
152 47.7 37.8 56.6

154 88.9 70.0 105.0



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





#54

Dibenzenofuran

Concen: 21.339 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BN004363.D

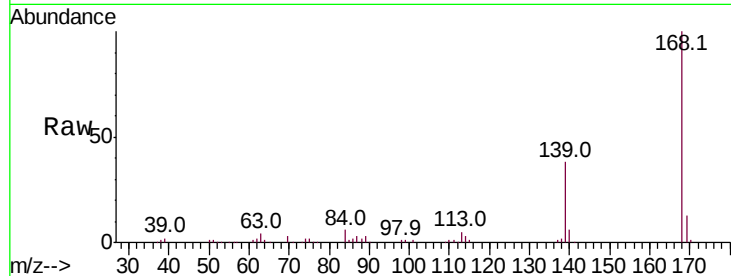
Acq: 08 Feb 2019 14:48

Tot Ion:168 Resp: 183765

Ion Ratio Lower Upper

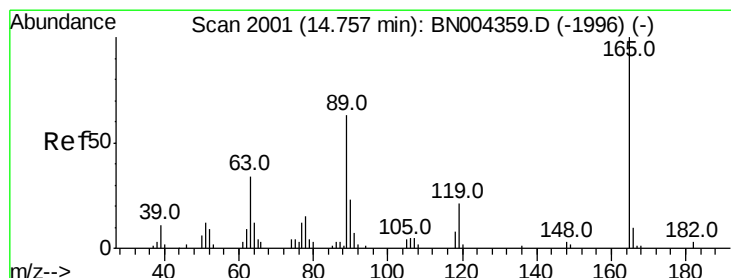
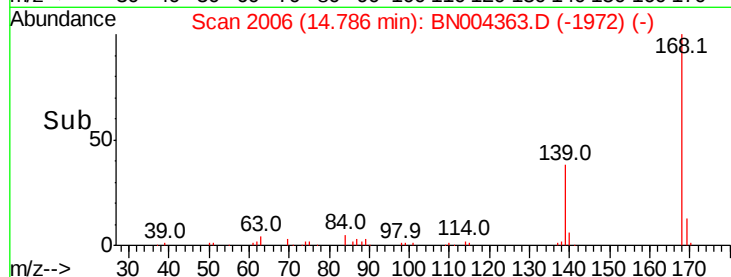
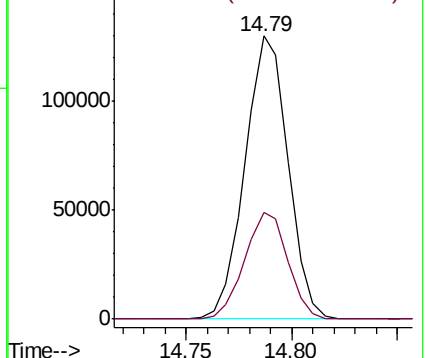
168 100

139 37.9 29.8 44.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 15.239 ng/ul

RT: 14.76 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

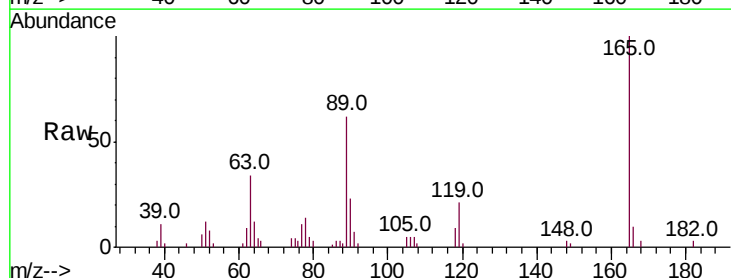
Tgt Ion:165 Resp: 30612

Ion Ratio Lower Upper

165 100

63 33.7 27.6 41.4

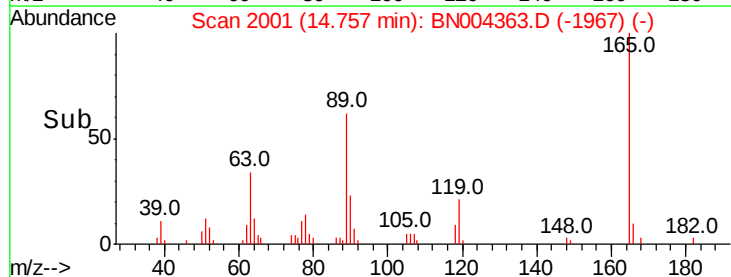
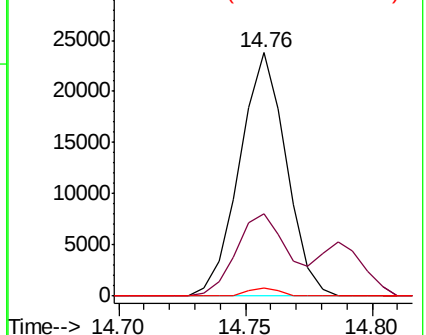
182 3.1 2.3 3.5

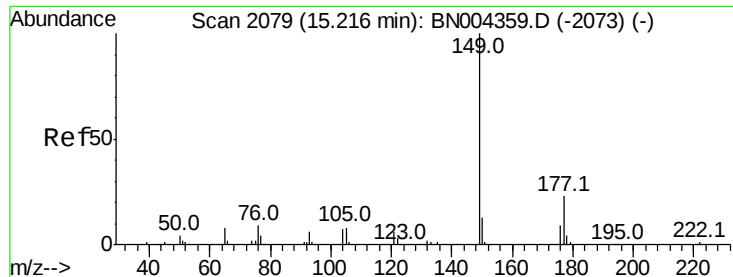


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E





#57

Diethylphthalate

Concen: 26.101 ng/ul

RT: 15.21 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

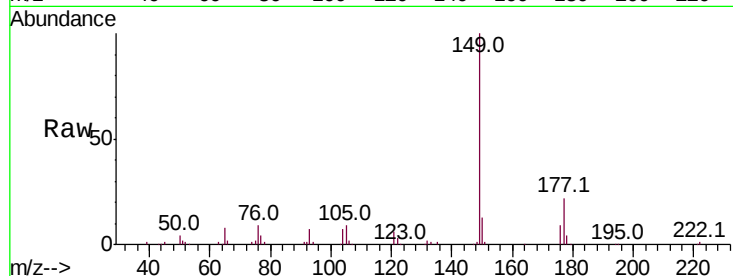
Tot Ion:149 Resp: 187072

Ion Ratio Lower Upper

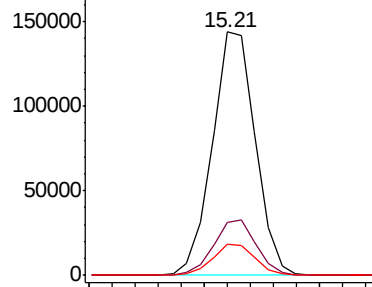
149 100

177 21.9 18.0 27.0

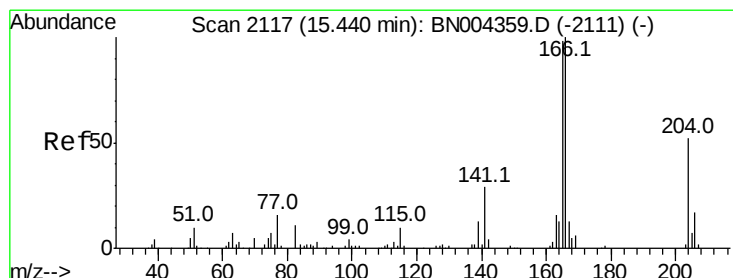
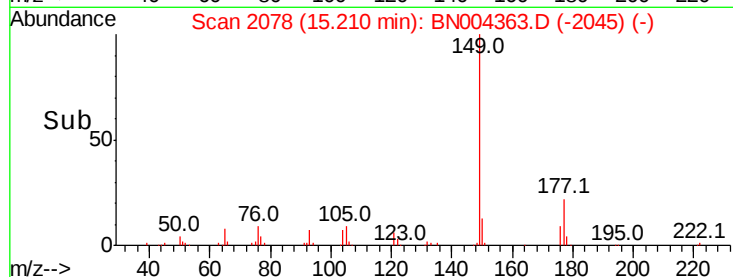
150 12.8 10.2 15.2



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



Time--> 15.15 15.20 15.25



#59

Fluorene

Concen: 23.091 ng/ul

RT: 15.44 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

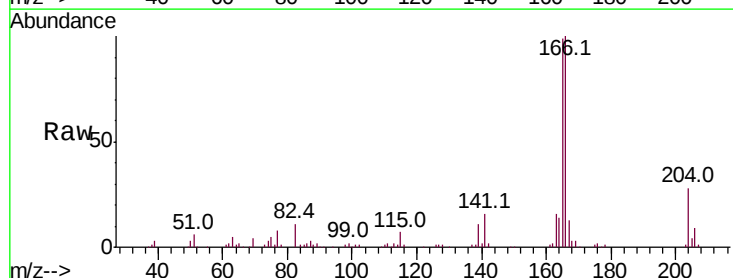
Tgt Ion:166 Resp: 161143

Ion Ratio Lower Upper

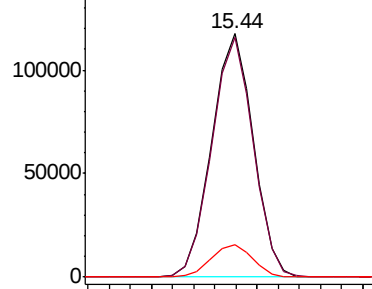
166 100

165 98.5 78.0 117.0

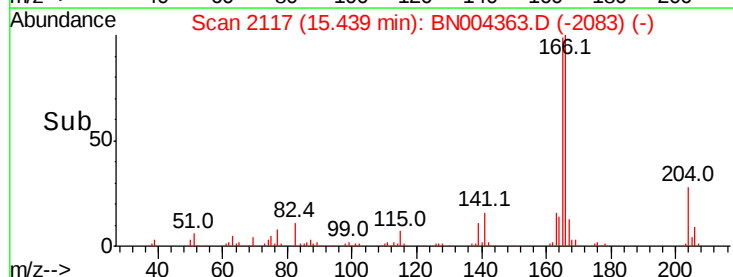
167 13.5 10.8 16.2

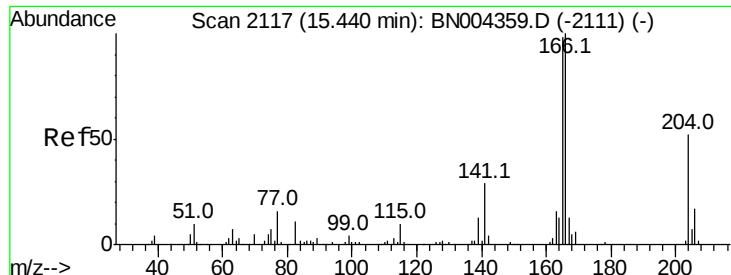


Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



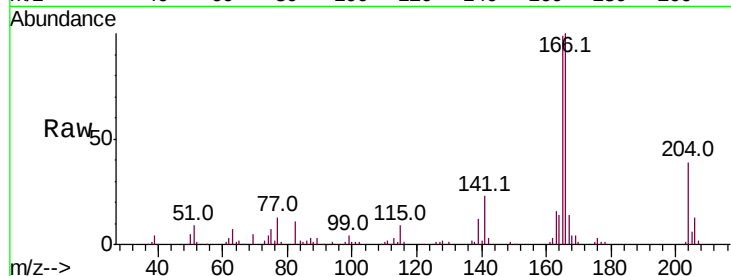
Time--> 15.40 15.45



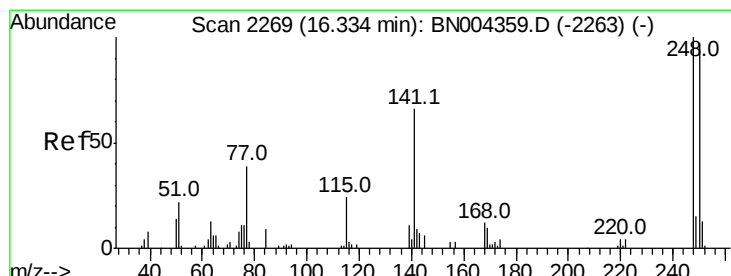
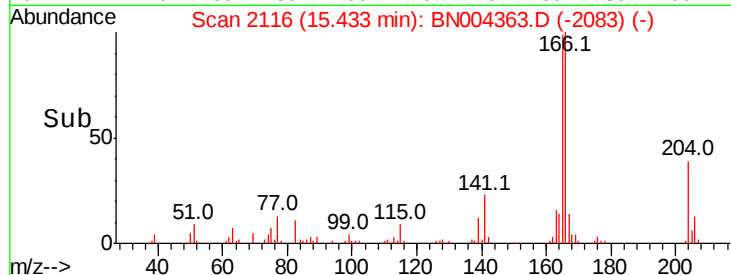
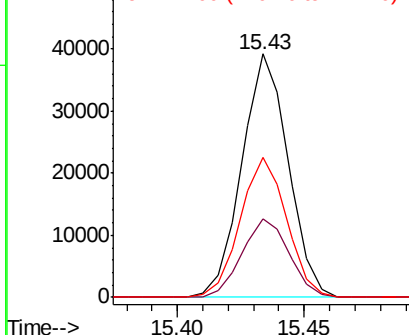


#60  
 4-Chlorophenyl-phenylether  
 Concen: 13.519 ng/ul  
 RT: 15.43 min Scan# 2116  
 Delta R.T. -0.01 min  
 Lab File: BN004363.D  
 Acq: 08 Feb 2019 14:48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.3  | 26.5  | 39.7  |
| 141     | 57.6  | 44.8  | 67.2  |

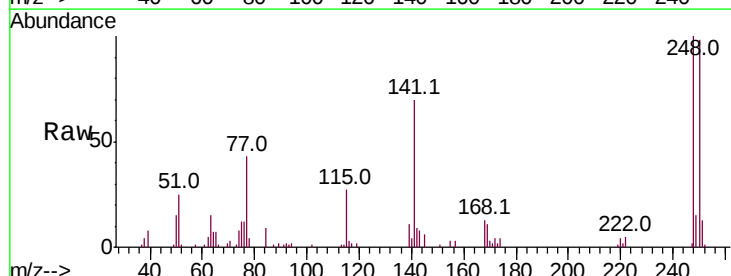


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

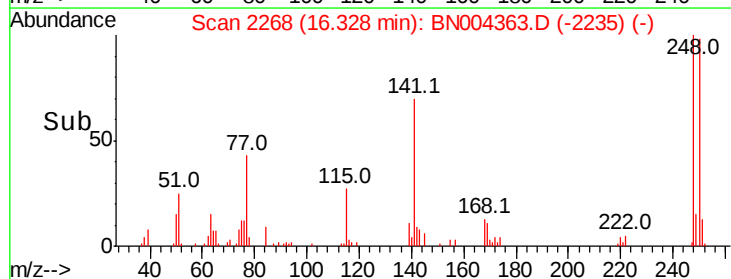
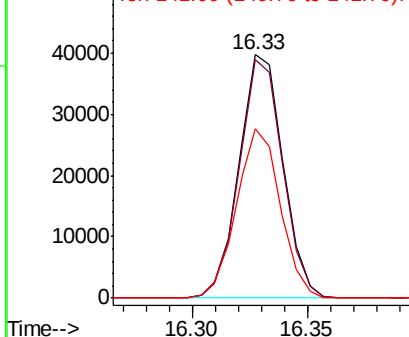


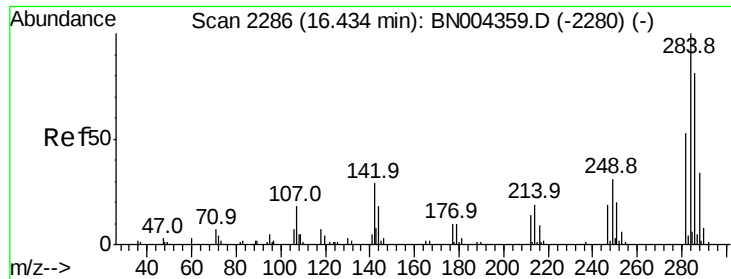
#66  
 4-Bromophenyl-phenylether  
 Concen: 21.810 ng/ul  
 RT: 16.33 min Scan# 2268  
 Delta R.T. -0.01 min  
 Lab File: BN004363.D  
 Acq: 08 Feb 2019 14:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.0  | 77.9  | 116.9 |
| 141     | 69.6  | 55.1  | 82.7  |



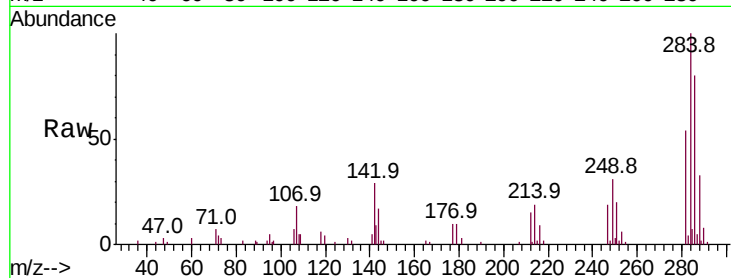
Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E



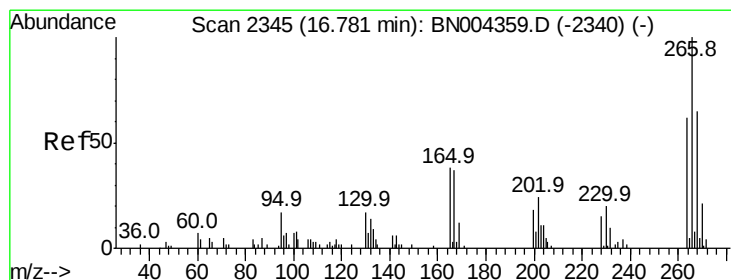
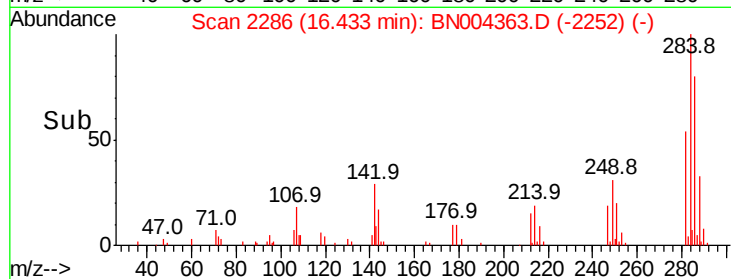
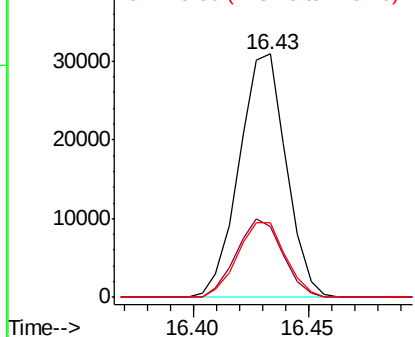


#67  
Hexachlorobenzene  
Concen: 15.438 ng/ul  
RT: 16.43 min Scan# 2286  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tot Ion:284 Resp: 43875  
Ion Ratio Lower Upper  
284 100  
142 29.0 24.5 36.7  
249 30.9 25.0 37.6

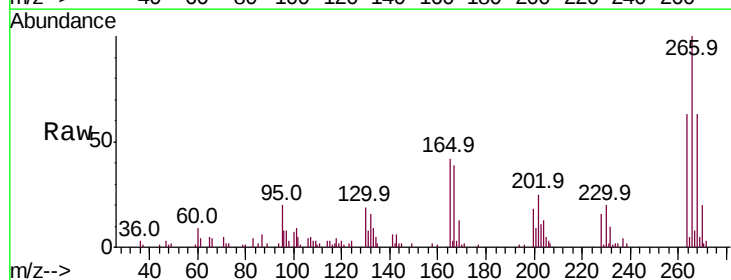


Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

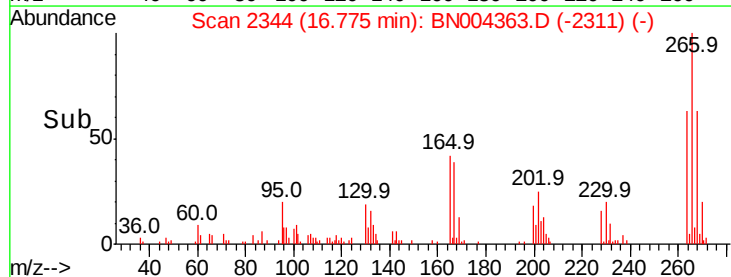
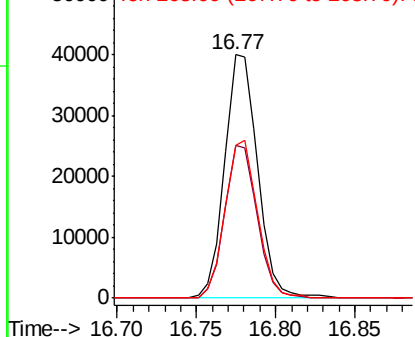


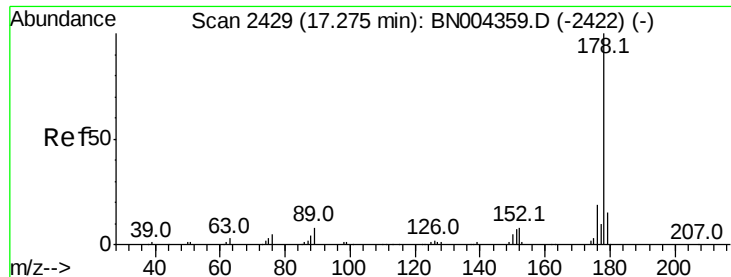
#69  
Pentachlorophenol  
Concen: 34.826 ng/ul  
RT: 16.77 min Scan# 2344  
Delta R.T. -0.01 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tgt Ion:266 Resp: 57695  
Ion Ratio Lower Upper  
266 100  
264 62.7 50.3 75.5  
268 62.6 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#72

Anthracene

Concen: 38.652 ng/ul

RT: 17.27 min Scan# 2428

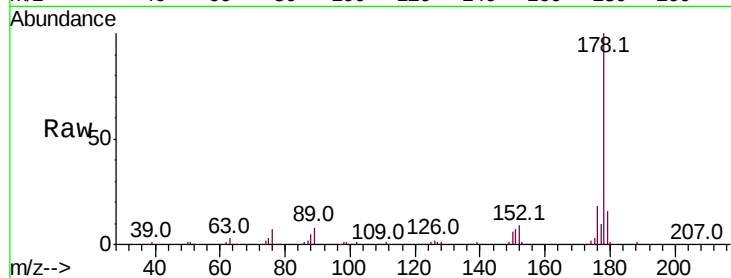
Delta R.T. -0.01 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

Tot Ion:178 Resp: 468839

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.6  | 12.2  | 18.4  |
| 176 | 18.5  | 14.9  | 22.3  |

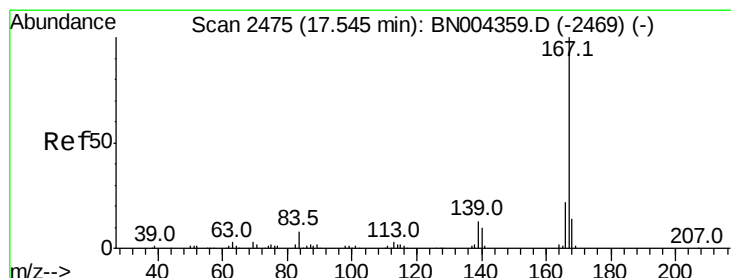
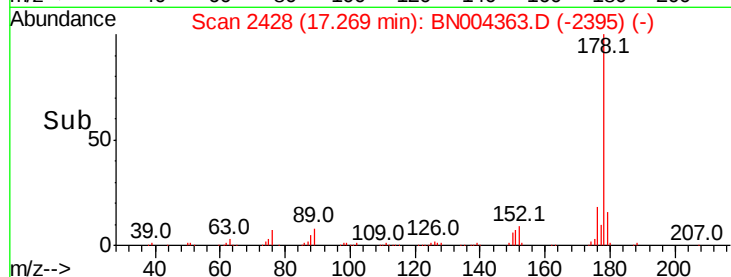
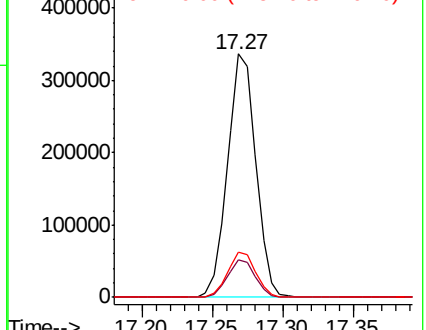


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 36.964 ng/ul

RT: 17.55 min Scan# 2475

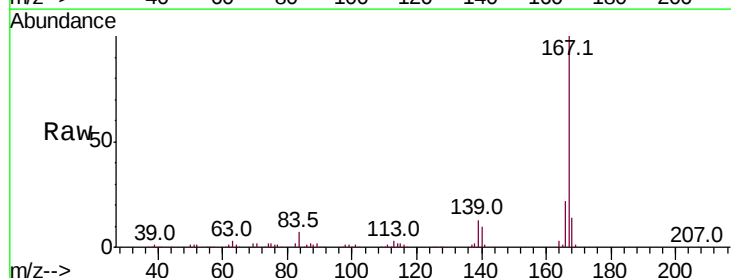
Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

Tgt Ion:167 Resp: 400595

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.7  | 17.5  | 26.3  |
| 139 | 13.0  | 10.4  | 15.6  |

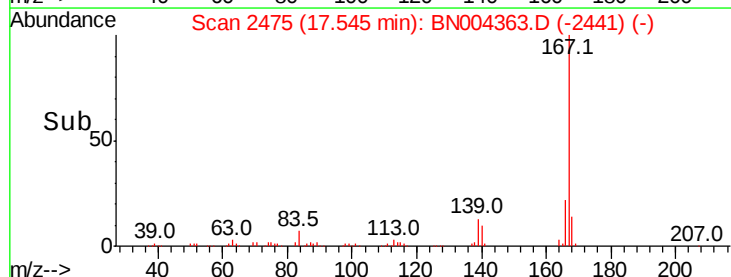
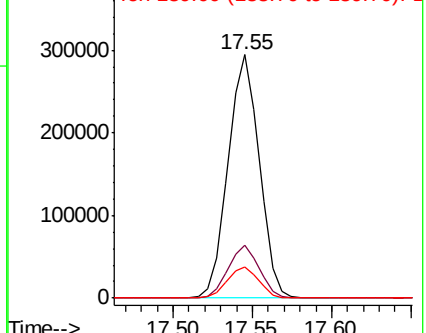


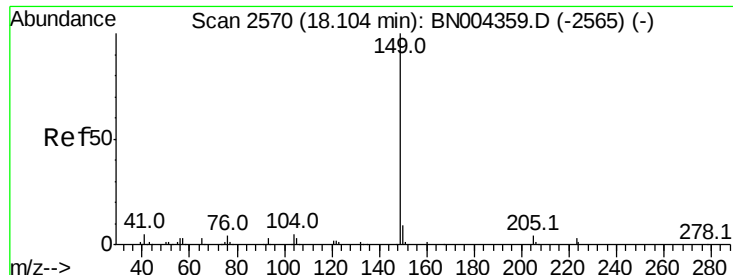
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

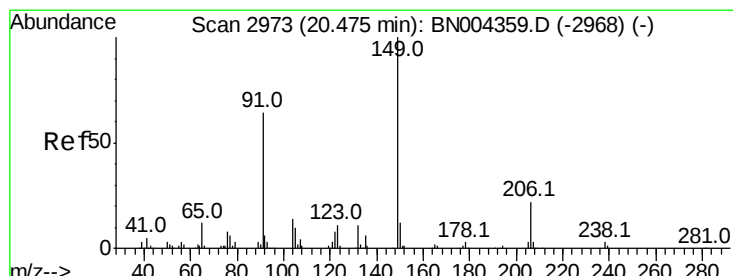
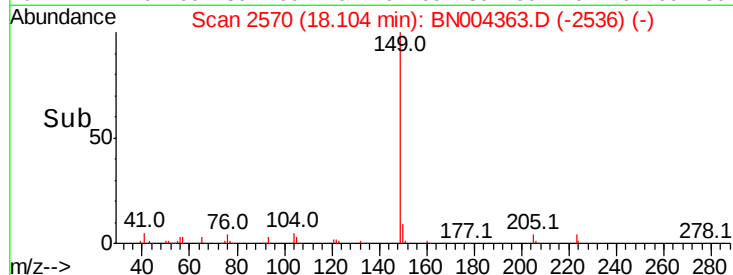
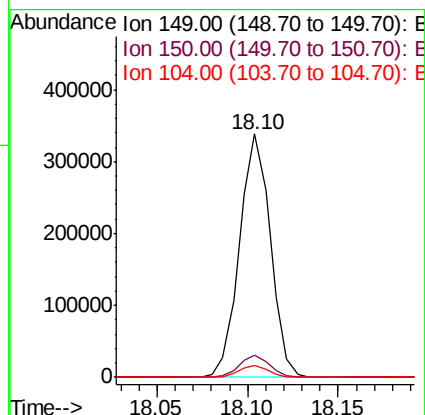
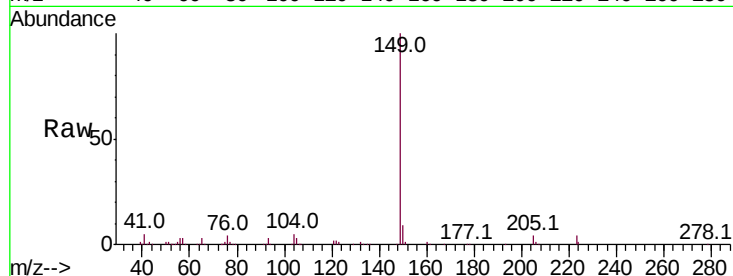
Ion 139.00 (138.70 to 139.70): E





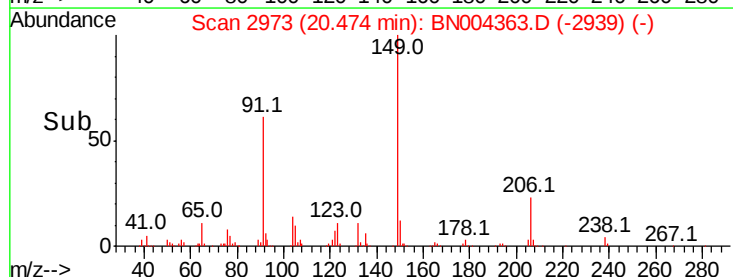
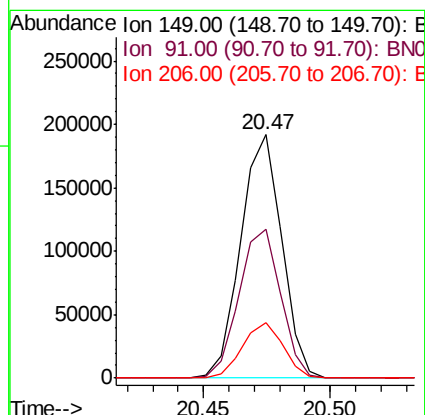
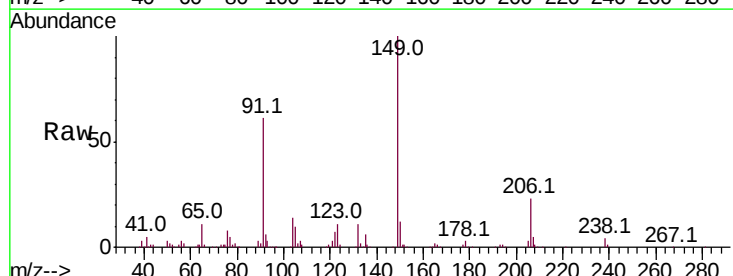
#76  
Di-n-butylphthalate  
Concen: 33.696 ng/ul  
RT: 18.10 min Scan# 2570  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

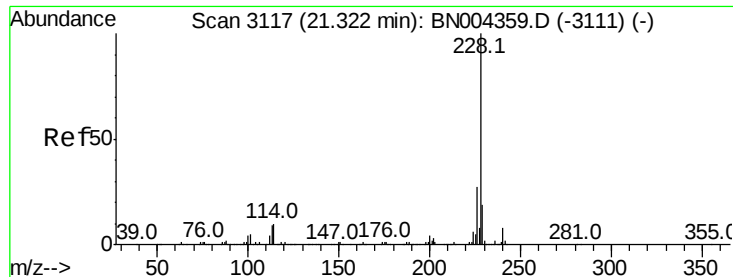
Tot Ion:149 Resp: 400904  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.4 11.0  
104 4.7 3.7 5.5



#81  
Butylbenzylphthalate  
Concen: 40.260 ng/ul  
RT: 20.47 min Scan# 2973  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tgt Ion:149 Resp: 216869  
Ion Ratio Lower Upper  
149 100  
91 61.2 49.8 74.6  
206 23.0 18.2 27.2





#83

Benzo(a)anthracene

Concen: 28.121 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

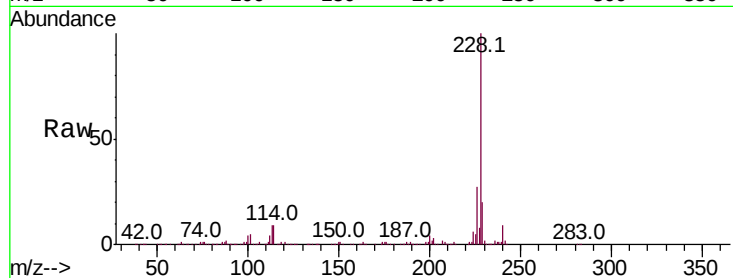
Tot Ion:228 Resp: 491284

Ion Ratio Lower Upper

228 100

229 19.5 15.4 23.2

226 27.2 21.4 32.2

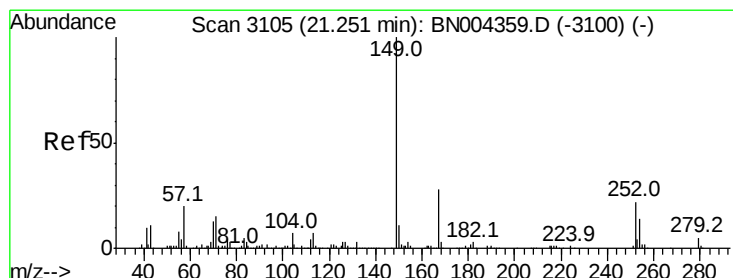
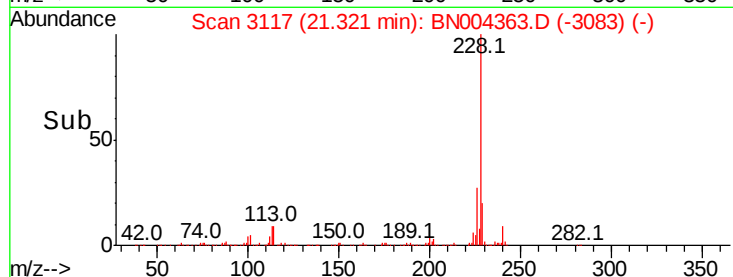
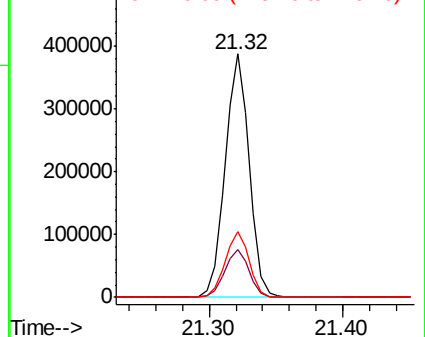


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 24.683 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

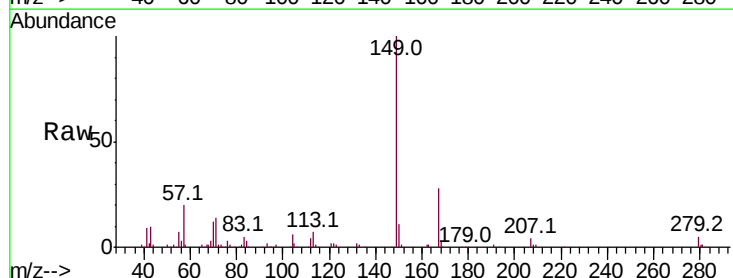
Tgt Ion:149 Resp: 199289

Ion Ratio Lower Upper

149 100

167 28.1 22.7 34.1

279 5.4 4.3 6.5

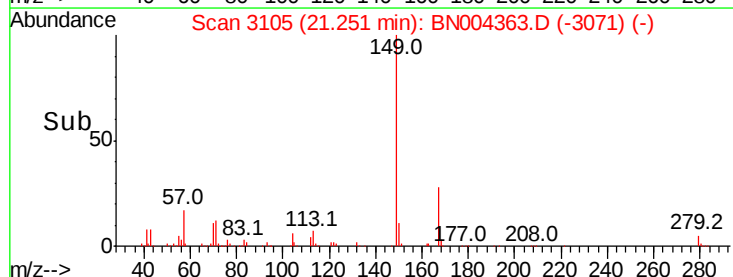
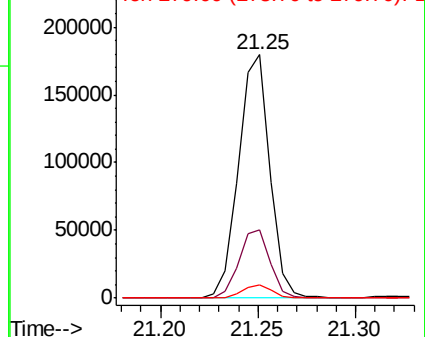


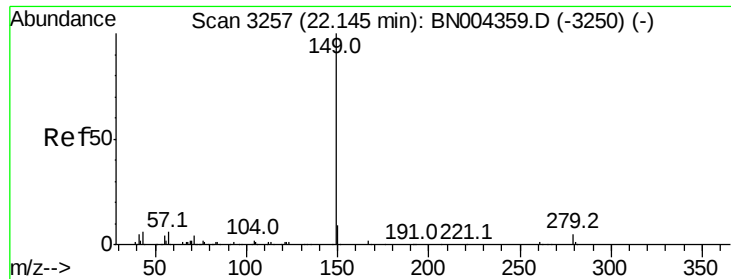
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Di-n-octyl phthalate

Concen: 44.070 ng/ul

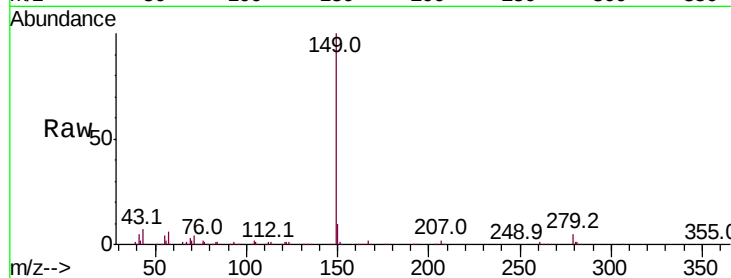
RT: 22.14 min Scan# 3256

Delta R.T. -0.01 min

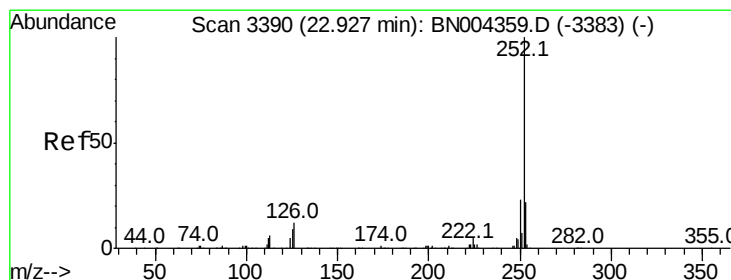
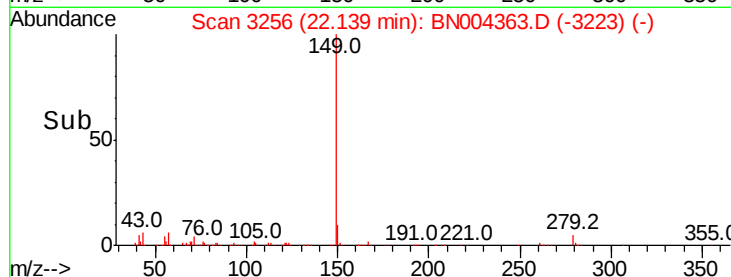
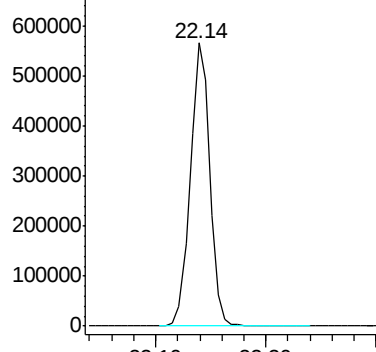
Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

Tgt Ion:149 Resp: 691683



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 14.952 ng/ul

RT: 22.92 min Scan# 3389

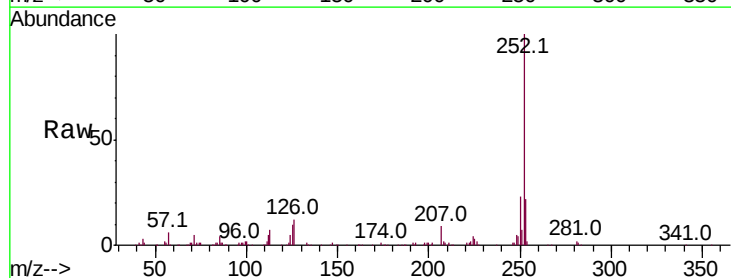
Delta R.T. -0.01 min

Lab File: BN004363.D

Acq: 08 Feb 2019 14:48

Tgt Ion:252 Resp: 290269

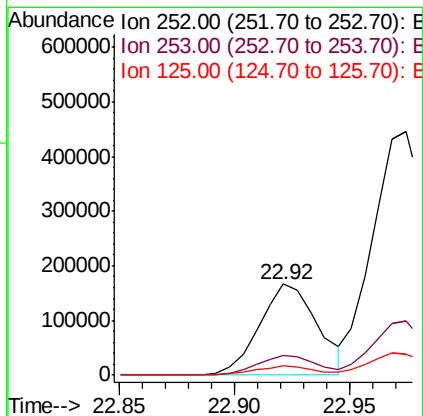
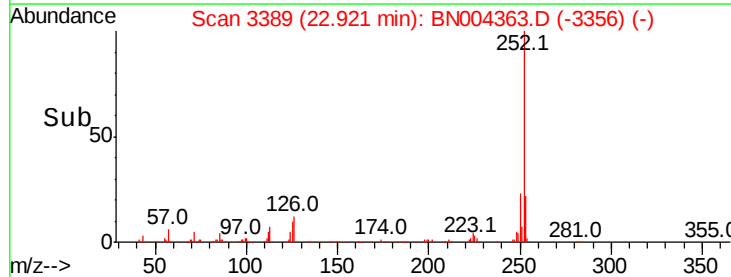
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.7  | 26.5  |
| 125 | 9.6   | 7.4   | 11.2  |

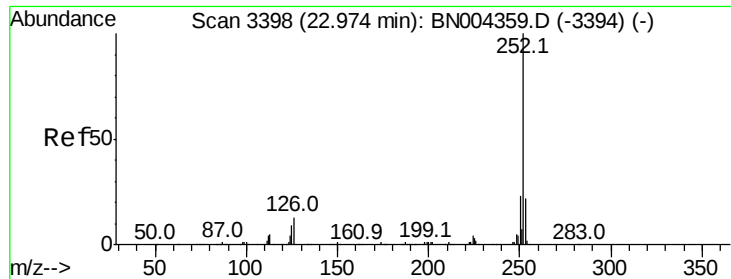


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

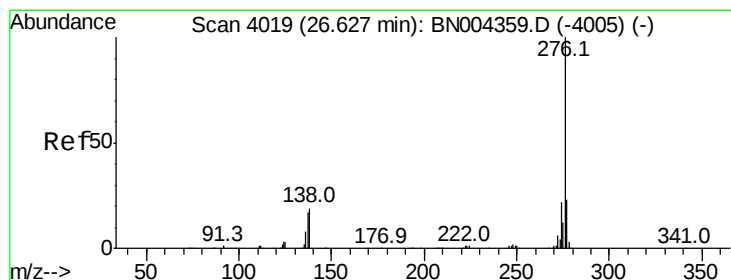
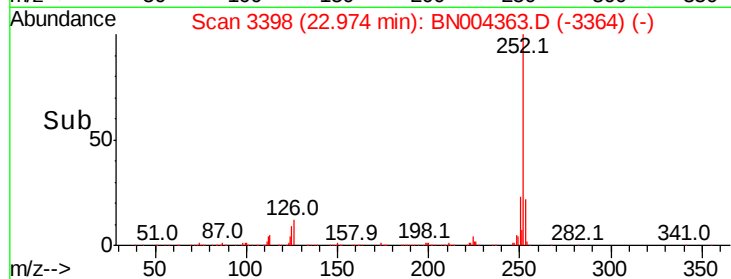
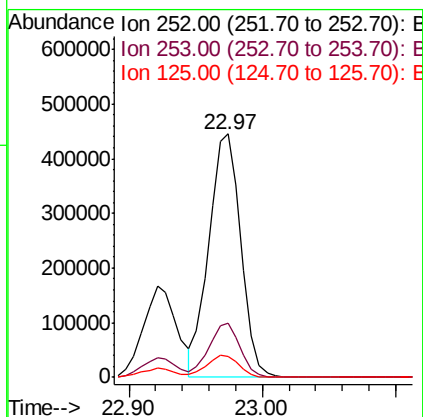
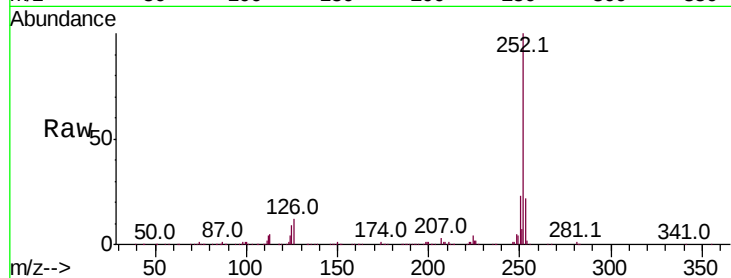
Ion 125.00 (124.70 to 125.70): E





#89  
Benzo(k)fluoranthene  
Concen: 39.520 ng/ul  
RT: 22.97 min Scan# 3398  
Delta R.T. -0.00 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tot Ion:252 Resp: 745875  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.4 26.2  
125 8.8 7.4 11.0



#94  
Benzo(g,h,i)perylene  
Concen: 25.432 ng/ul  
RT: 26.62 min Scan# 4017  
Delta R.T. -0.01 min  
Lab File: BN004363.D  
Acq: 08 Feb 2019 14:48

Tgt Ion:276 Resp: 512700  
Ion Ratio Lower Upper  
276 100  
138 20.0 16.7 25.1  
277 24.2 19.0 28.6

