

Data File : BN004398.D  
Acq On : 13 Feb 2019 18:22  
Operator : JU/SJ  
Sample : MDL-S-03  
Misc : 1PPM/4PPM  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

Quant Time: Feb 14 06:47:54 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Feb 14 06:43:40 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 21515    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 105342   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.39 | 164  | 70331    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.13 | 188  | 176640   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 239053   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.60 | 264  | 284615   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 2413   | 6.74  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 48612  | 25.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 26854  | 27.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 42838  | 27.55 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.44  | 113 | 42643  | 25.87 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.91  | 128 | 20301  | 29.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 21412  | 29.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 44495  | 26.96 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 62569  | 34.28 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.80 | 166 | 173185 | 29.04 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.08 | 160 | 204407 | 28.93 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.58 | 143 | 27714  | 24.27 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.38 | 176 | 152650 | 29.07 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 22895  | 22.23 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.23 | 188 | 249278 | 29.45 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.53 | 212 | 309502 | 28.89 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.46 | 264 | 389564 | 26.08 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 555   | 1.260 ng/uL# | 24     |
| 4) Benzaldehyde                | 6.90  | 77  | 2795  | 2.539 ng/ul  | 96     |
| 6) Phenol                      | 6.93  | 94  | 6704  | 3.502 ng/ul  | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.18  | 93  | 5266  | 3.845 ng/ul  | 95     |
| 10) 2-Chlorophenol             | 7.31  | 128 | 5886  | 3.802 ng/ul  | 95     |
| 11) 2-Methylphenol             | 8.18  | 108 | 4784  | 3.124 ng/ul  | 86     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.27  | 45  | 6324  | 3.896 ng/ul  | 98     |
| 14) Acetophenone               | 8.57  | 105 | 8689  | 3.538 ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 3342  | 3.172 ng/ul# | 94     |
| 16) 4-Methylphenol             | 8.50  | 108 | 5875  | 3.466 ng/ul  | 97     |
| 17) Hexachloroethane           | 8.82  | 117 | 1982  | 3.657 ng/ul  | 97     |
| 20) Nitrobenzene               | 8.95  | 77  | 6230  | 4.083 ng/ul  | 93     |
| 21) Isophorone                 | 9.46  | 82  | 10351 | 3.312 ng/ul  | 97     |
| 23) 2-Nitrophenol              | 9.65  | 139 | 3057  | 3.744 ng/ul  | 95     |
| 24) 2,4-Dimethylphenol         | 9.70  | 107 | 6690  | 3.632 ng/ul  | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.95  | 93  | 7188  | 3.544 ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.18 | 162 | 6190  | 3.799 ng/ul  | 93     |
| 28) Naphthalene                | 10.58 | 128 | 22578 | 4.157 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.70 | 127 | 6771  | 3.706 ng/ul  | 93     |
| 31) Hexachlorobutadiene        | 10.85 | 225 | 4279  | 4.062 ng/ul  | 95     |
| 32) Caprolactam                | 11.48 | 113 | 971   | 1.765 ng/ul  | 90     |
| 33) 4-Chloro-3-methylphenol    | 11.81 | 107 | 5616  | 3.196 ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 17047 | 4.092 ng/ul  | 99     |

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ClientSampleId :  
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Quant Time: Feb 14 06:47:54 2019  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Feb 14 06:43:40 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.42 | 142  | 16890    | 4.111 | ng/ul  | 96       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216  | 9531     | 4.071 | ng/ul  | 96       |
| 38) Hexachlorocyclopentadiene  | 12.53 | 237  | 4666     | 3.205 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.80 | 196  | 4336     | 3.134 | ng/ul  | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.87 | 196  | 4967     | 3.196 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 13.22 | 154  | 22923    | 4.034 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 13.26 | 162  | 17638    | 3.990 | ng/ul  | 97       |
| 43) 2-Nitroaniline             | 13.47 | 65   | 2343     | 2.597 | ng/ul  | 99       |
| 45) Dimethylphthalate          | 13.84 | 163  | 23230    | 3.940 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 13.97 | 165  | 3049     | 2.933 | ng/ul  | 98       |
| 48) Acenaphthylene             | 14.11 | 152  | 26880    | 4.006 | ng/ul  | 100      |
| 49) 3-Nitroaniline             | 14.30 | 138  | 2397     | 2.259 | ng/ul# | 92       |
| 50) Acenaphthene               | 14.45 | 153  | 19897    | 4.117 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.50 | 184  | 1440     | 2.226 | ng/ul  | 89       |
| 53) 4-Nitrophenol              | 14.59 | 109  | 3055     | 3.598 | ng/ul  | 94       |
| 54) Dibenzofuran               | 14.79 | 168  | 28859    | 4.128 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.75 | 165  | 5182     | 3.178 | ng/ul# | 94       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 4567     | 3.221 | ng/ul# | 96       |
| 57) Diethylphthalate           | 15.21 | 149  | 20764    | 3.568 | ng/ul  | 99       |
| 59) Fluorene                   | 15.43 | 166  | 23191    | 4.093 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.43 | 204  | 12601    | 4.203 | ng/ul  | 100      |
| 61) 4-Nitroaniline             | 15.46 | 138  | 2967     | 2.149 | ng/ul  | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 3657     | 3.377 | ng/ul# | 84       |
| 65) N-Nitrosodiphenylamine     | 15.65 | 169  | 19476    | 3.850 | ng/ul  | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.33 | 248  | 7694     | 3.898 | ng/ul  | 97       |
| 67) Hexachlorobenzene          | 16.43 | 284  | 9072     | 3.924 | ng/ul  | 98       |
| 68) Atrazine                   | 16.60 | 200  | 5661     | 2.906 | ng/ul  | 99       |
| 69) Pentachlorophenol          | 16.77 | 266  | 3340     | 2.478 | ng/ul  | 97       |
| 70) Phenanthrene               | 17.17 | 178  | 40574    | 4.140 | ng/ul  | 99       |
| 72) Anthracene                 | 17.27 | 178  | 40383    | 4.093 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.17 | 216  | 9779     | 4.036 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.70 | 250  | 10521    | 4.063 | ng/uL  | 98       |
| 75) Carbazole                  | 17.54 | 167  | 32922    | 3.734 | ng/ul  | 97       |
| 76) Di-n-butylphthalate        | 18.10 | 149  | 27662    | 2.858 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.20 | 202  | 47021    | 3.897 | ng/ul  | 98       |
| 80) Pyrene                     | 19.56 | 202  | 53276    | 4.030 | ng/ul  | 100      |
| 81) Butylbenzylphthalate       | 20.47 | 149  | 11152    | 2.455 | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.25 | 252  | 10551    | 2.104 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.32 | 228  | 57709    | 3.917 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 16557    | 2.432 | ng/ul  | 98       |
| 85) Chrysene                   | 21.37 | 228  | 57589    | 4.117 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.13 | 149  | 31126    | 2.284 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.92 | 252  | 64805    | 3.845 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.96 | 252  | 62270    | 3.800 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.50 | 252  | 65393    | 3.976 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.90 | 276  | 82439    | 3.948 | ng/ul  | 100      |
| 93) Dibenzo(a,h)anthracene     | 25.91 | 278  | 69581    | 4.005 | ng/ul  | 98       |
| 94) Benzo(g,h,i)perylene       | 26.60 | 276  | 70230    | 4.012 | ng/ul  | 97       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN021319\  
Quantitation Report (Not Reviewed)

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

Quant Time: Feb 14 06:47:54 2019  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Feb 14 06:43:40 2019  
Response via : Initial Calibration

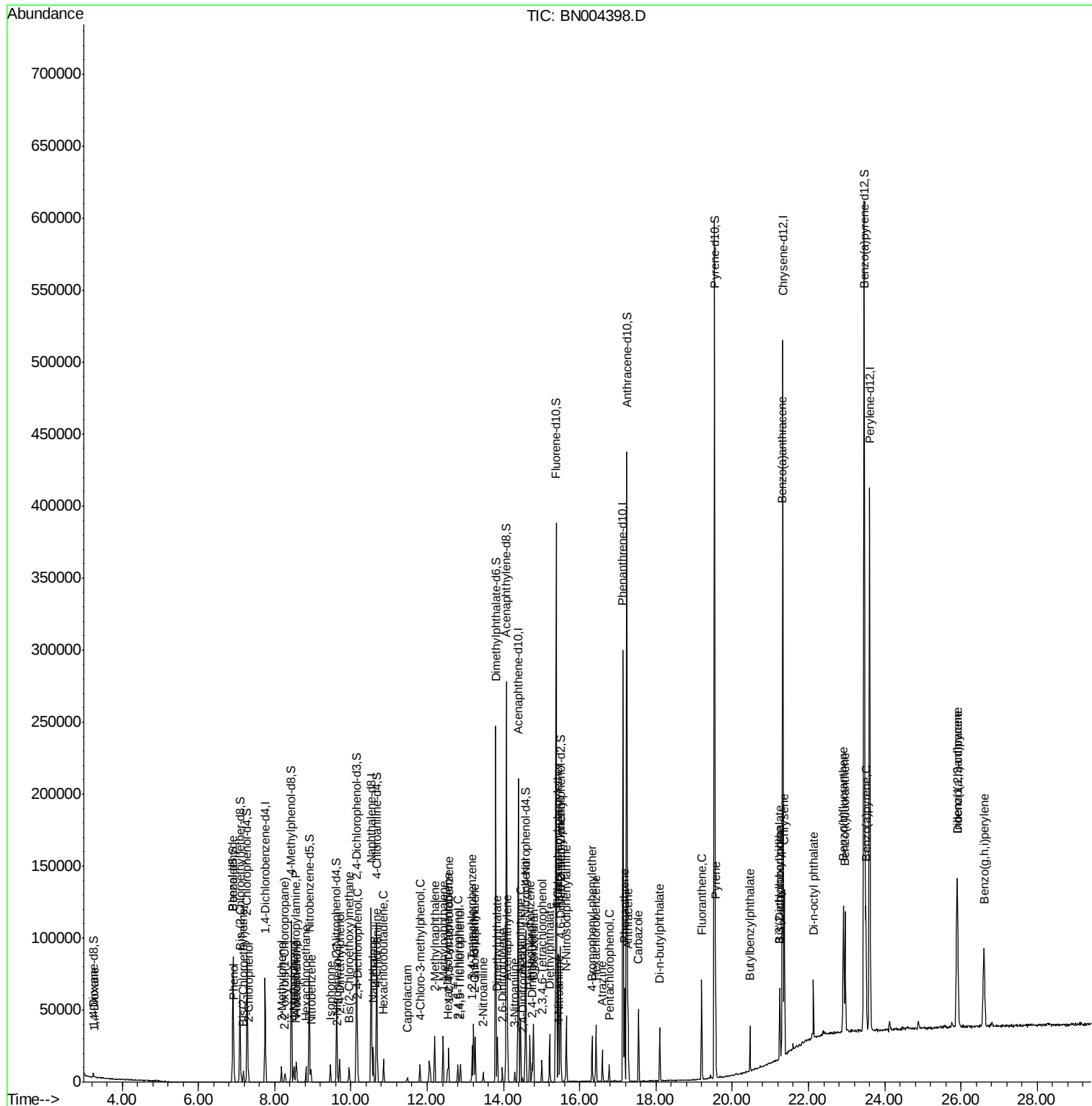
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

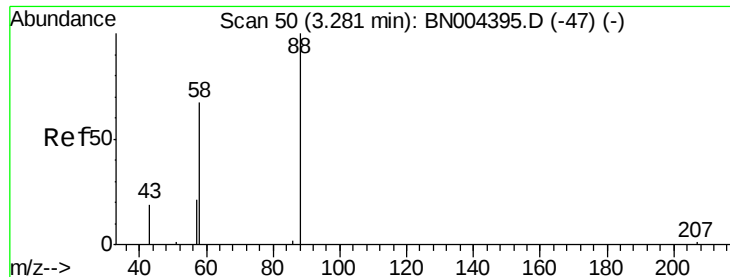
Data File : BN004398.D

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ALS Vial    : 15   Sample Multip
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**Instrument :**  
BNA\_N  
**ClientSampleId :**  
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#2

1,4-Dioxane

Concen: 1.260 ng/uL

RT: 3.28 min Scan# 50

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

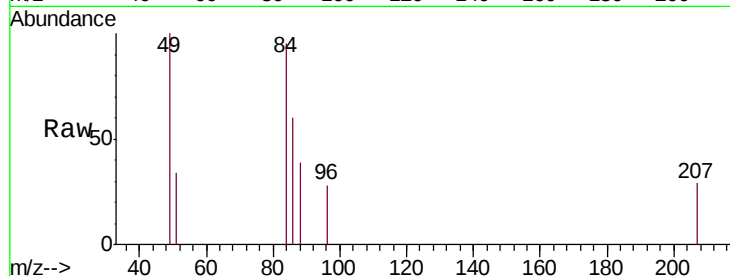
Tgt Ion: 88 Resp: 555

Ion Ratio Lower Upper

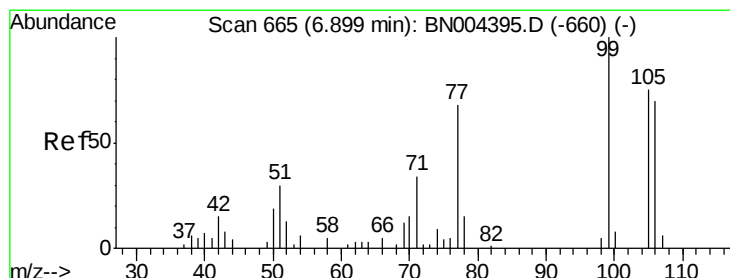
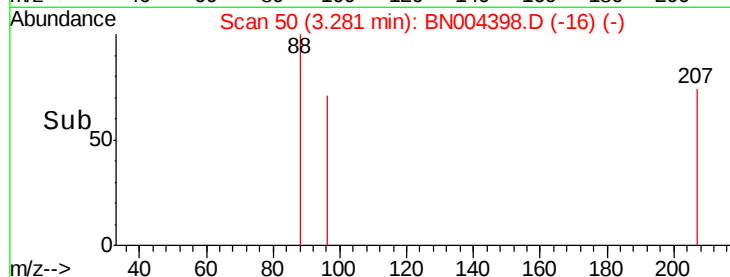
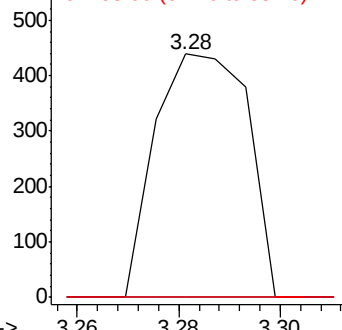
88 100

43 0.0 25.6 38.4#

58 0.0 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



#4

Benzaldehyde

Concen: 2.539 ng/uL

RT: 6.90 min Scan# 666

Delta R.T. 0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

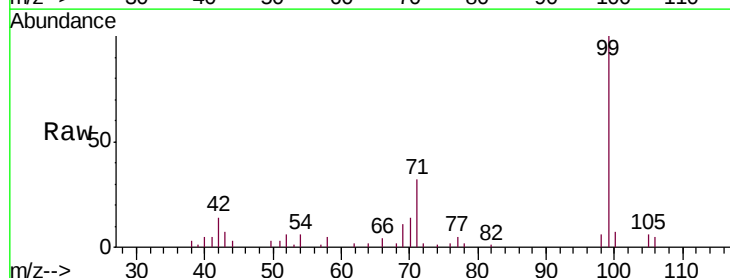
Tgt Ion: 77 Resp: 2795

Ion Ratio Lower Upper

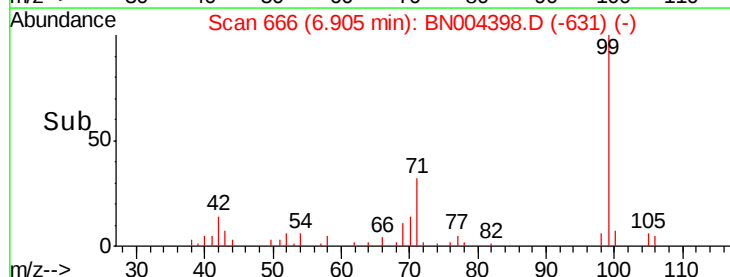
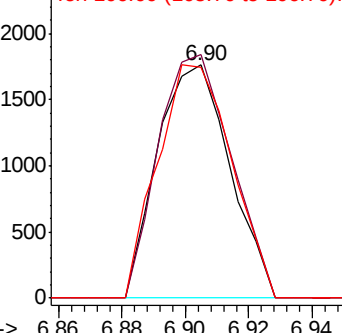
77 100

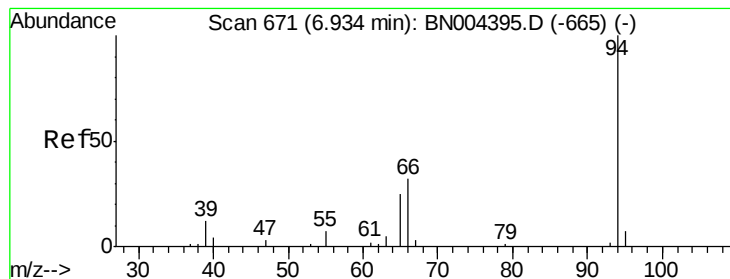
105 104.5 85.4 128.0

106 99.4 84.8 127.2



Abundance Ion 77.00 (76.70 to 77.70): BN0  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E





#6

Phenol

Concen: 3.502 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

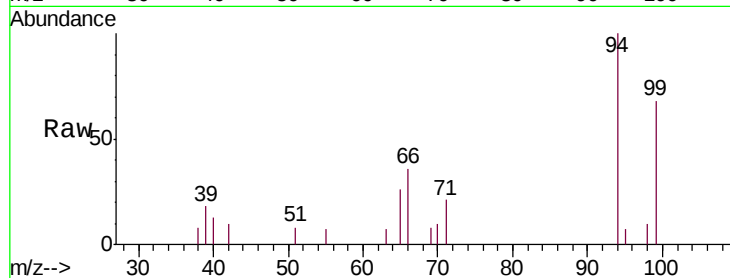
Tgt Ion: 94 Resp: 6704

Ion Ratio Lower Upper

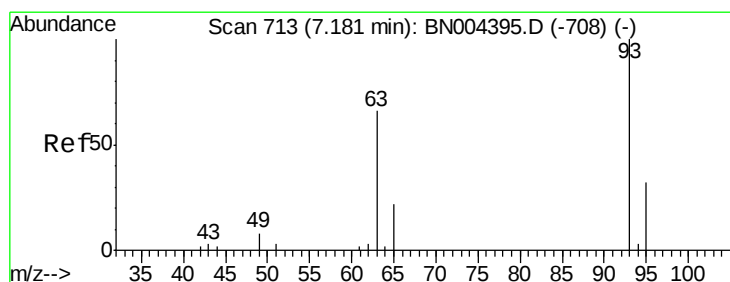
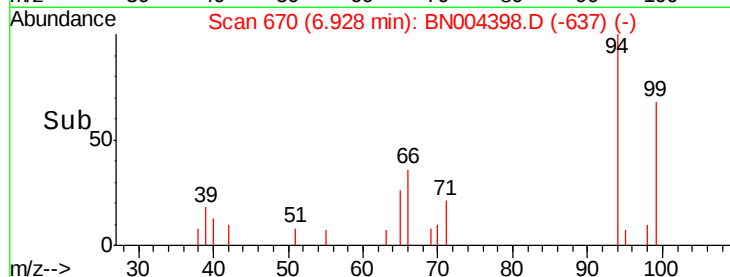
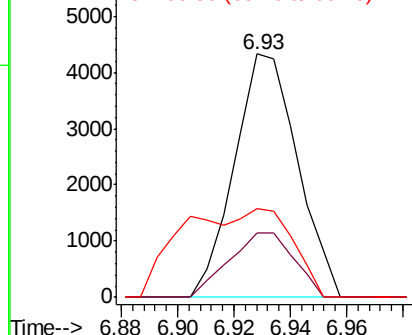
94 100

65 26.4 20.2 30.4

66 36.5 28.2 42.2



Abundance Ion 94.00 (93.70 to 94.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0  
Ion 66.00 (65.70 to 66.70): BN0



#8

Bis(2-Chloroethyl)ether

Concen: 3.845 ng/ul

RT: 7.18 min Scan# 713

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

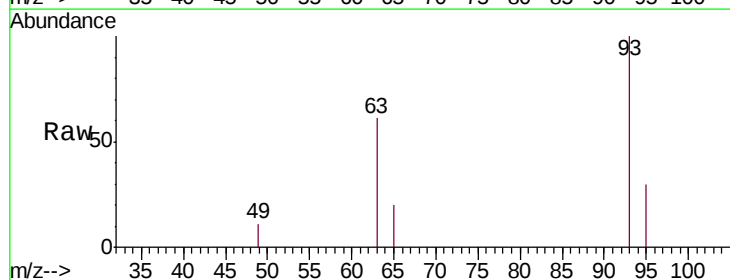
Tgt Ion: 93 Resp: 5266

Ion Ratio Lower Upper

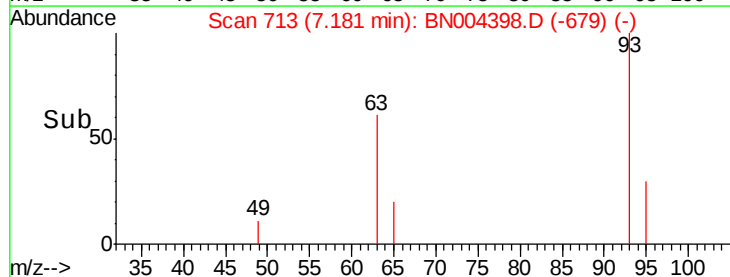
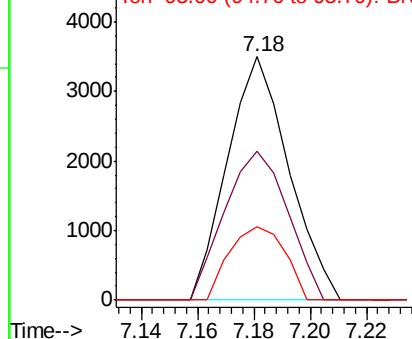
93 100

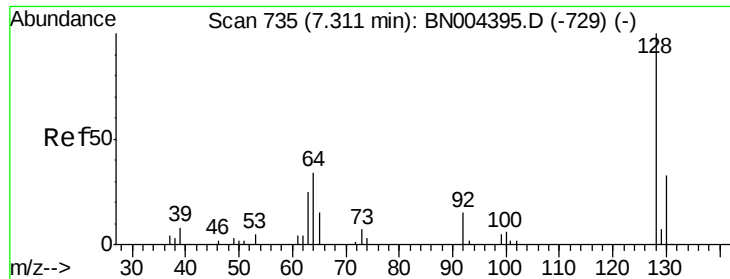
63 61.3 52.8 79.2

95 30.4 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

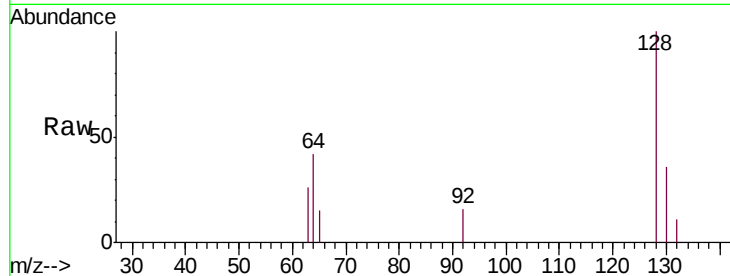




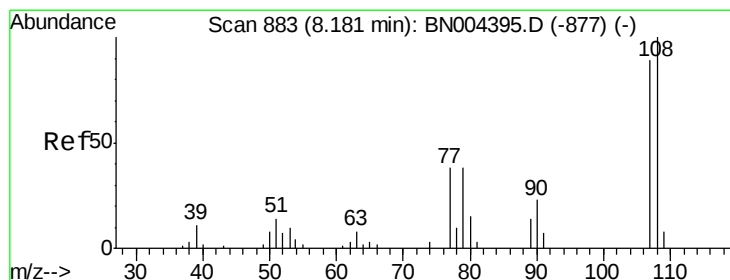
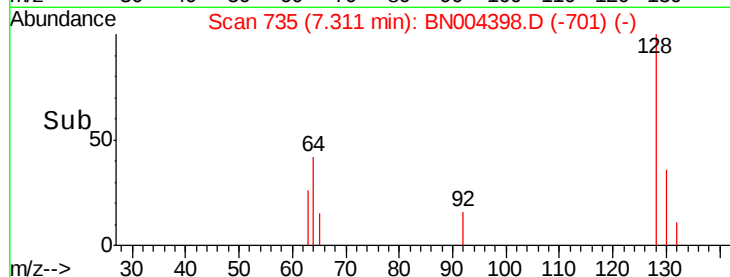
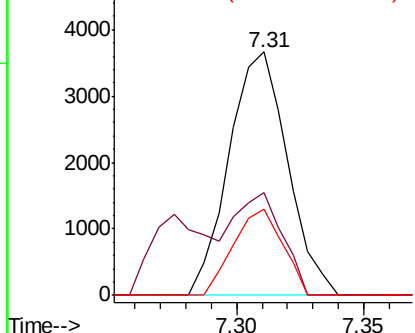
#10  
2-Chlorophenol  
Concen: 3.802 ng/ul  
RT: 7.31 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
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MDL-S-03

Tgt Ion:128 Resp: 5886  
Ion Ratio Lower Upper  
128 100  
64 42.1 31.0 46.6  
130 35.6 26.1 39.1

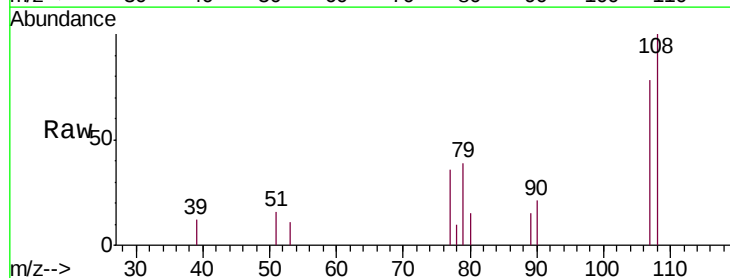


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BNO  
Ion 130.00 (129.70 to 130.70): E

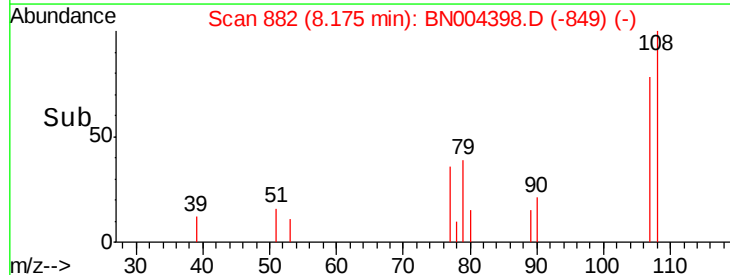
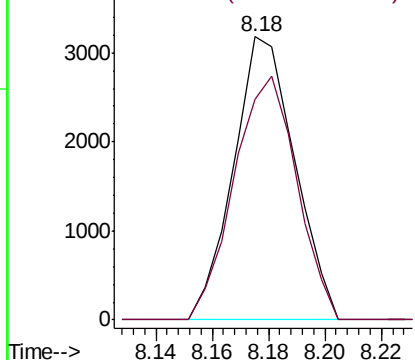


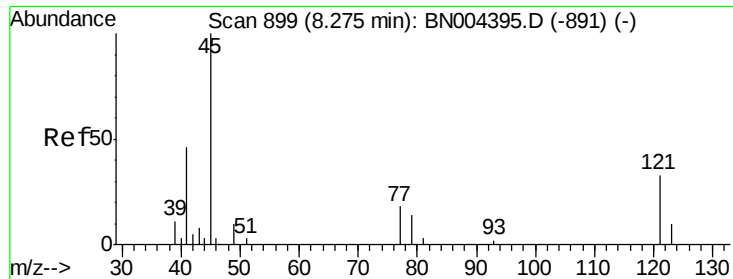
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2-Methylphenol  
Concen: 3.124 ng/ul  
RT: 8.18 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BN004398.D  
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Tgt Ion:108 Resp: 4784  
Ion Ratio Lower Upper  
108 100  
107 78.0 72.7 109.1



Abundance Ion 108.00 (107.70 to 108.70): E  
Ion 107.00 (106.70 to 107.70): E

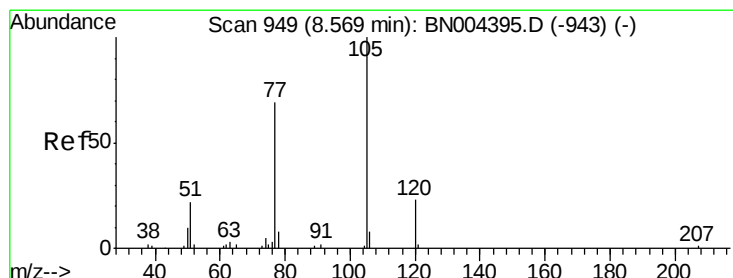
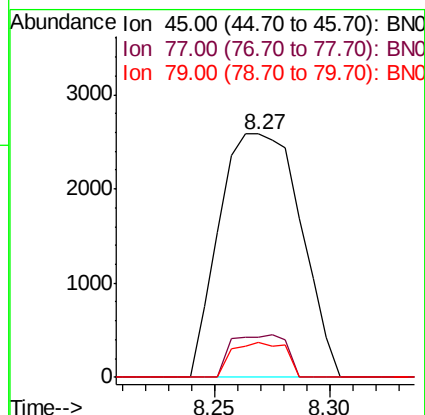
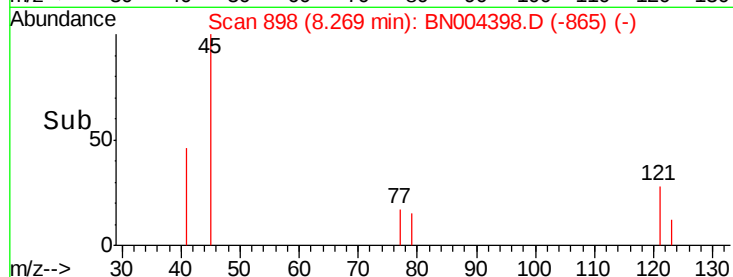
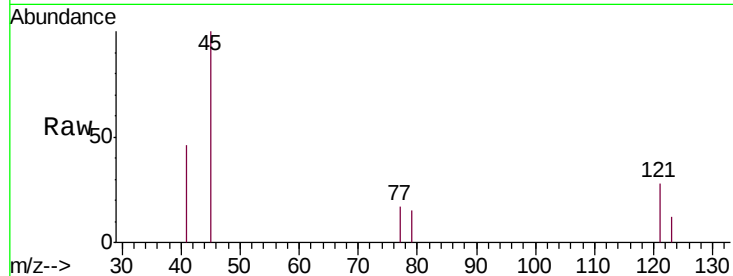




#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.896 ng/ul  
RT: 8.27 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

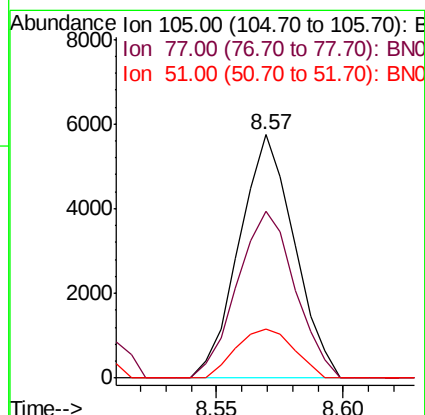
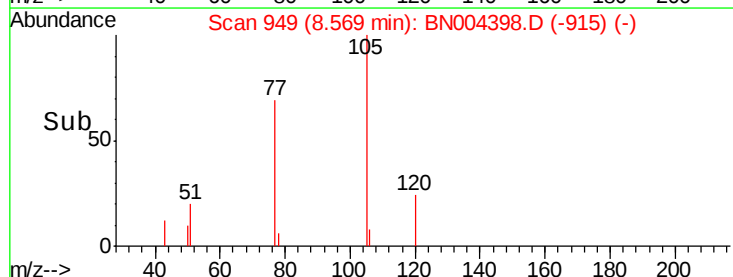
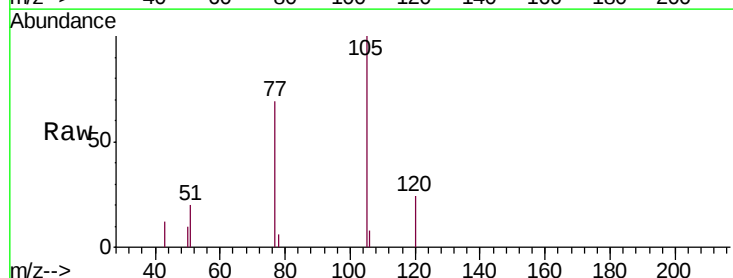
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

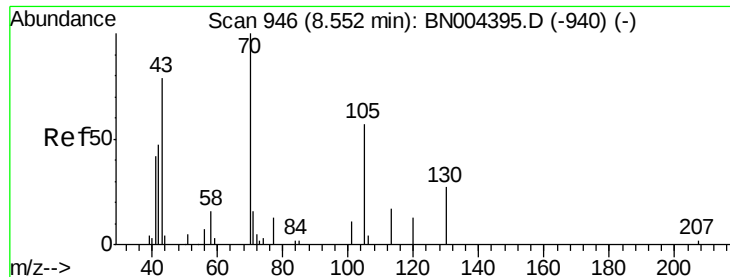
Tgt Ion: 45 Resp: 6324  
Ion Ratio Lower Upper  
45 100  
77 16.6 14.1 21.1  
79 14.6 10.8 16.2



#14  
Acetophenone  
Concen: 3.538 ng/ul  
RT: 8.57 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Tgt Ion: 105 Resp: 8689  
Ion Ratio Lower Upper  
105 100  
77 68.6 56.1 84.1  
51 20.4 17.2 25.8





#15

N-Nitroso-di-n-propylamine

Concen: 3.172 ng/ul

RT: 8.55 min Scan# 945

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

Tgt Ion: 70 Resp: 3342

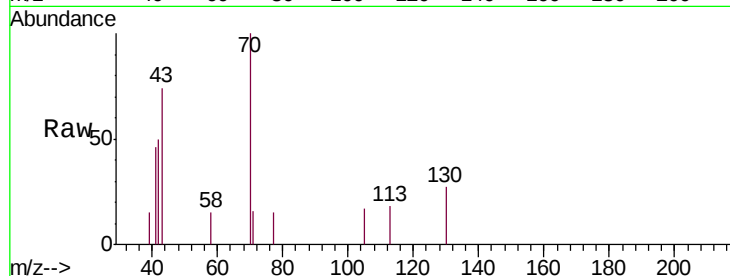
Ion Ratio Lower Upper

70 100

42 49.5 38.6 58.0

101 0.0 8.4 12.6#

130 26.7 19.9 29.9

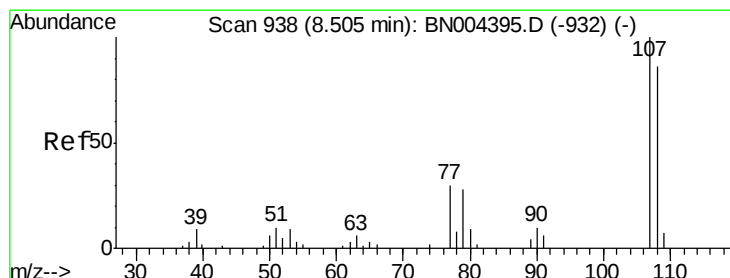
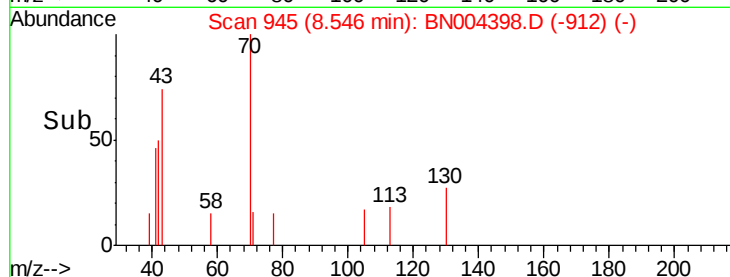
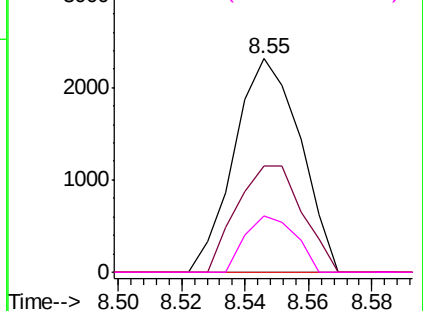


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#16

4-Methylphenol

Concen: 3.466 ng/ul

RT: 8.50 min Scan# 938

Delta R.T. 0.00 min

Lab File: BN004398.D

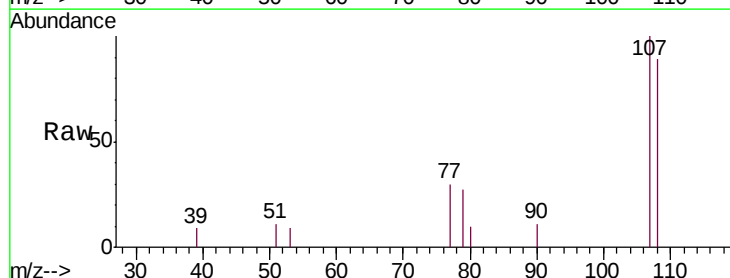
Acq: 13 Feb 2019 18:22

Tgt Ion:108 Resp: 5875

Ion Ratio Lower Upper

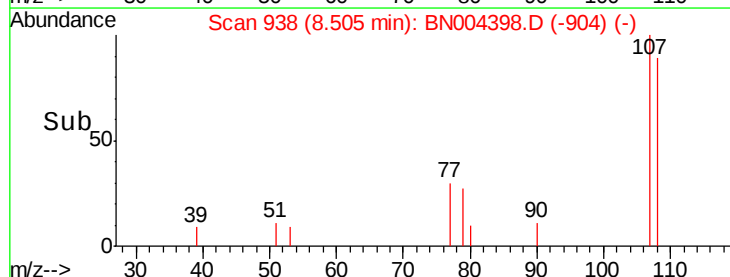
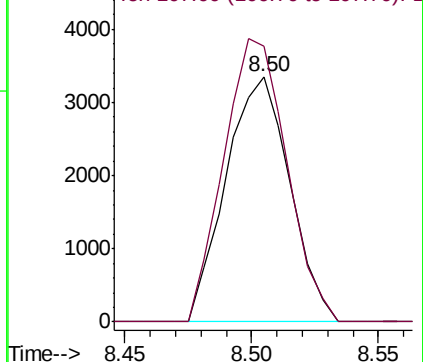
108 100

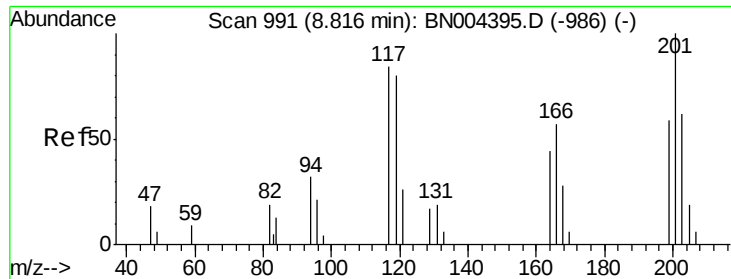
107 112.6 87.8 131.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

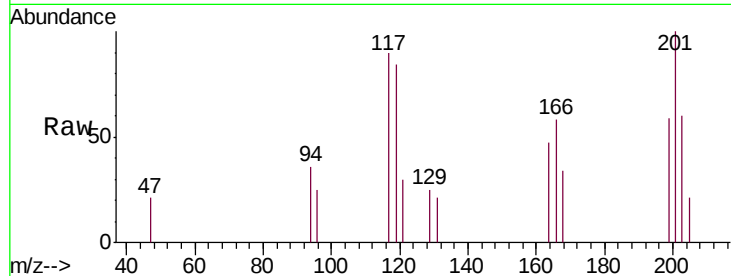




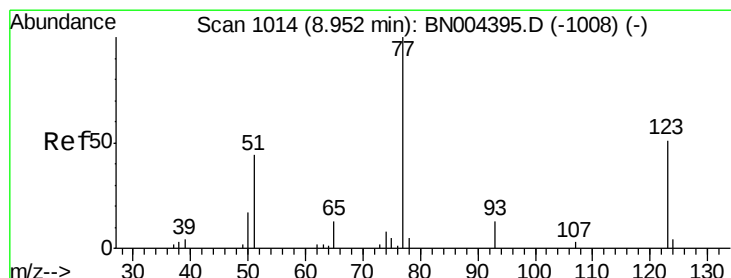
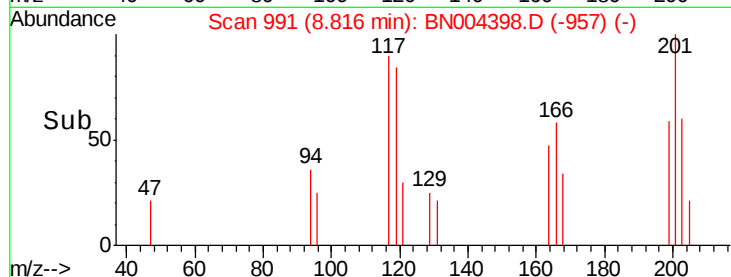
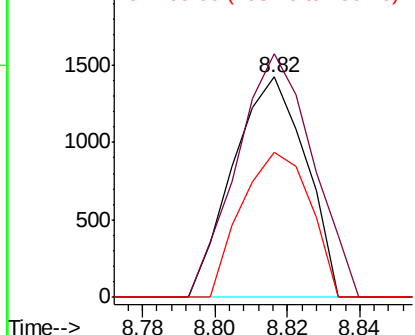
#17  
Hexachloroethane  
Concen: 3.657 ng/ul  
RT: 8.82 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

Tgt Ion: 117 Resp: 1982  
Ion Ratio Lower Upper  
117 100  
201 110.6 85.0 127.6  
199 65.7 53.8 80.8

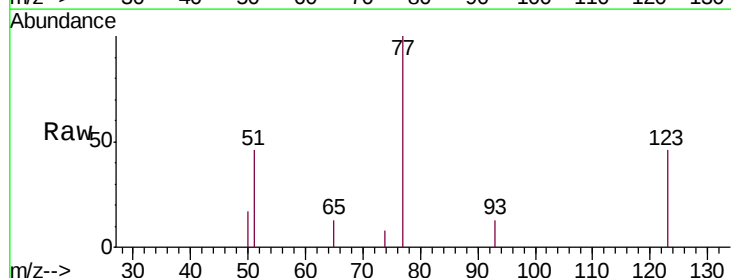


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

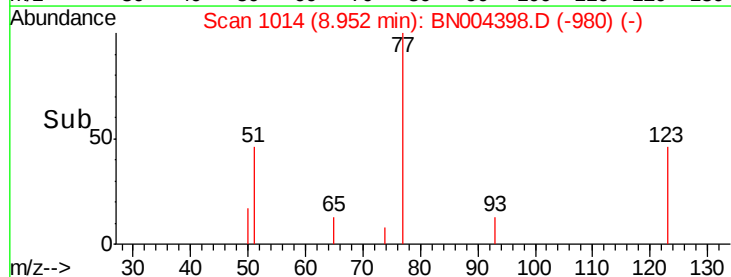
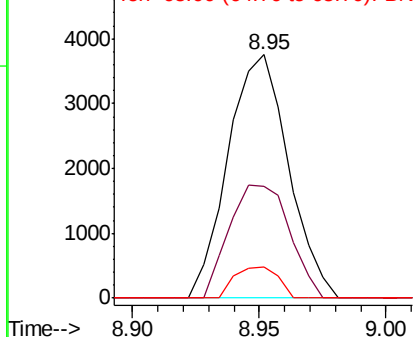


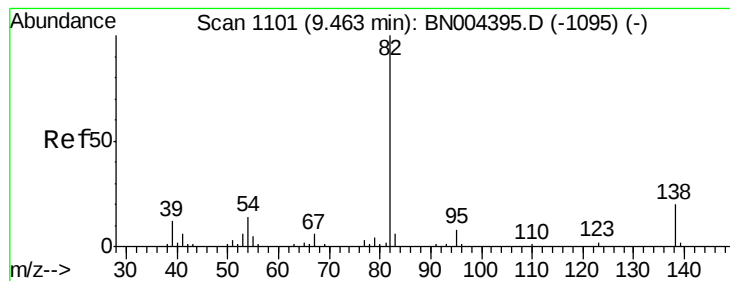
#20  
Nitrobenzene  
Concen: 4.083 ng/ul  
RT: 8.95 min Scan# 1014  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Tgt Ion: 77 Resp: 6230  
Ion Ratio Lower Upper  
77 100  
123 46.1 41.6 62.4  
65 12.5 10.2 15.4



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





#21

Isophorone

Concen: 3.312 ng/ul

RT: 9.46 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

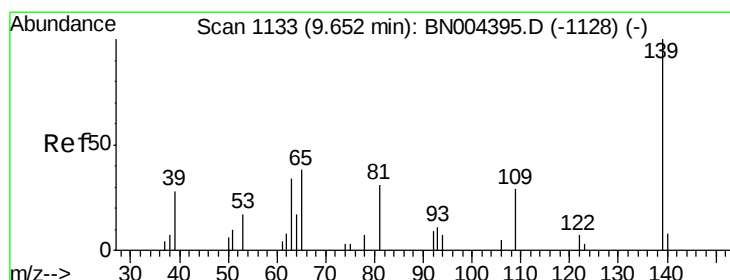
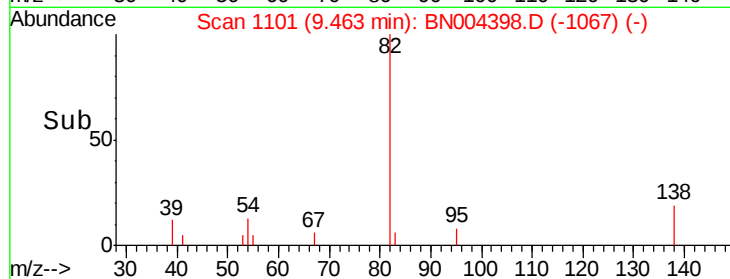
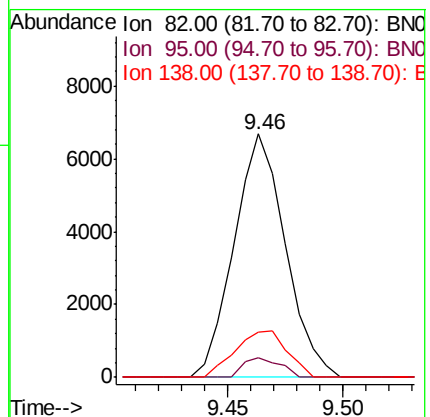
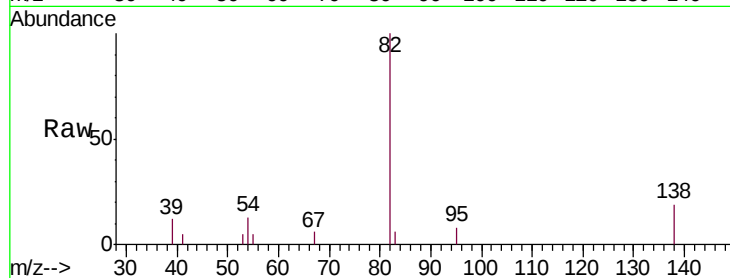
Tgt Ion: 82 Resp: 10351

Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.4

138 18.6 16.5 24.7



#23

2-Nitrophenol

Concen: 3.744 ng/ul

RT: 9.65 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

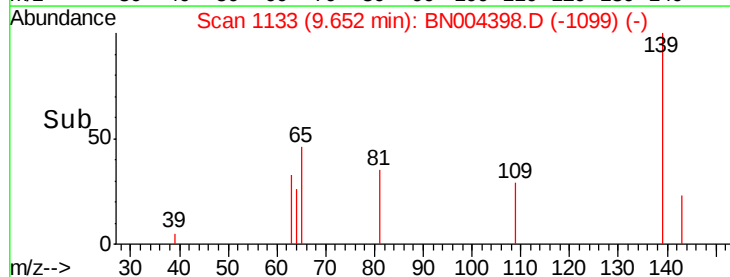
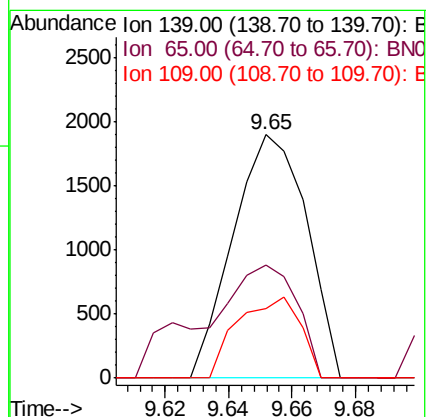
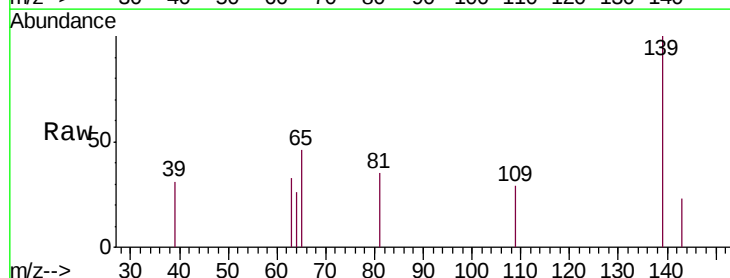
Tgt Ion: 139 Resp: 3057

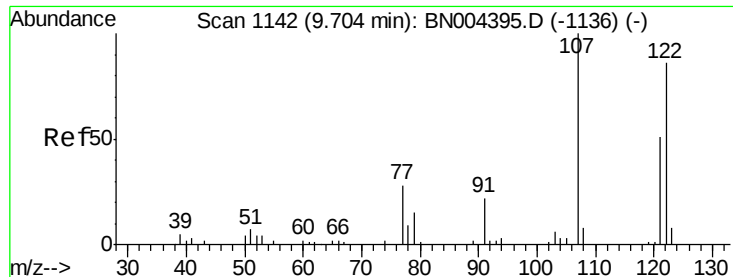
Ion Ratio Lower Upper

139 100

65 46.4 32.7 49.1

109 28.7 22.8 34.2

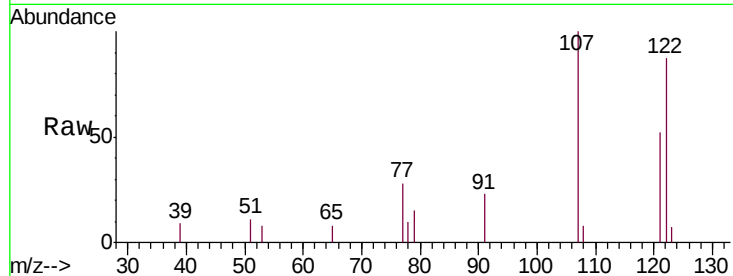




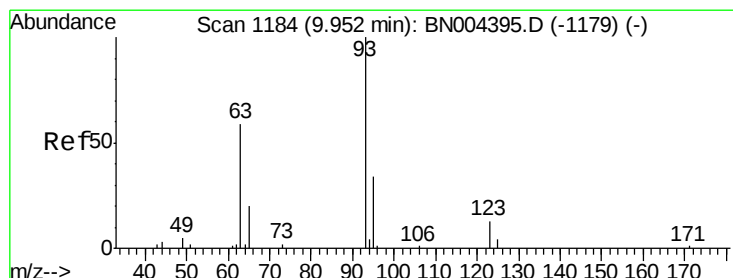
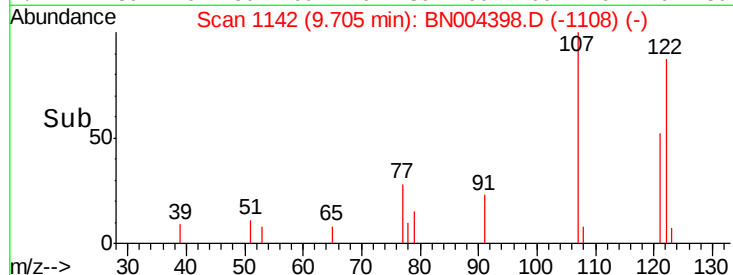
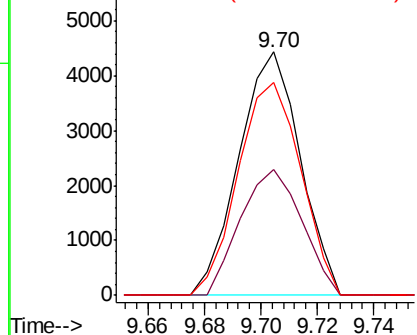
#24  
 2,4-Dimethylphenol  
 Concen: 3.632 ng/ul  
 RT: 9.70 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion: 107 Resp: 6690  
 Ion Ratio Lower Upper  
 107 100  
 121 51.5 41.5 62.3  
 122 87.2 69.0 103.4

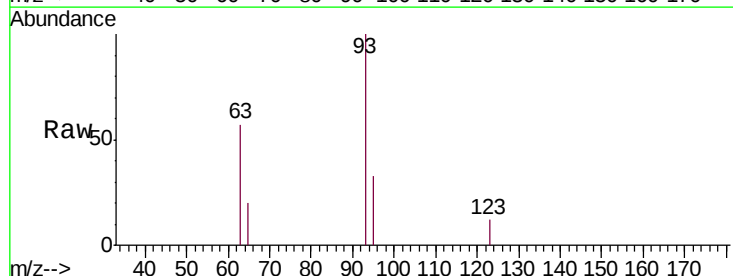


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E  
 Ion 122.00 (121.70 to 122.70): E

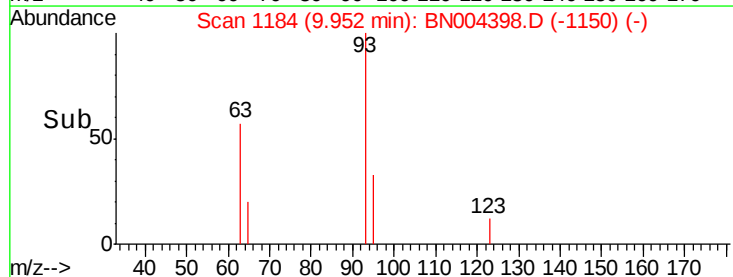
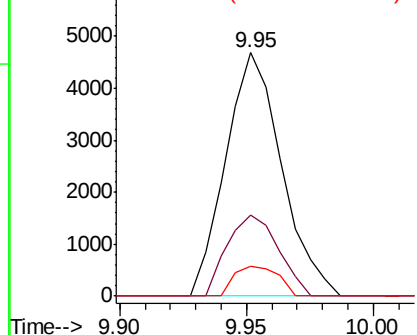


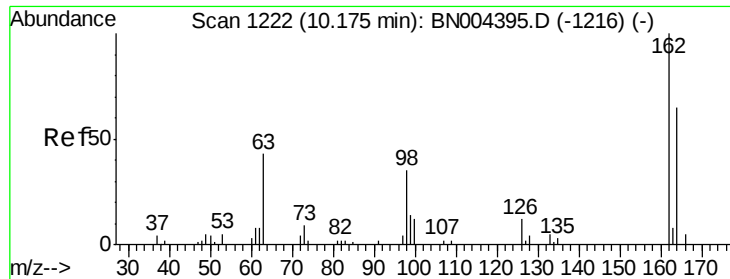
#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 3.544 ng/ul  
 RT: 9.95 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion: 93 Resp: 7188  
 Ion Ratio Lower Upper  
 93 100  
 95 33.3 26.2 39.4  
 123 12.1 10.0 15.0



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

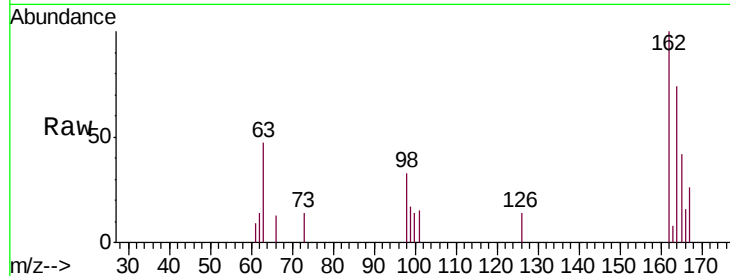




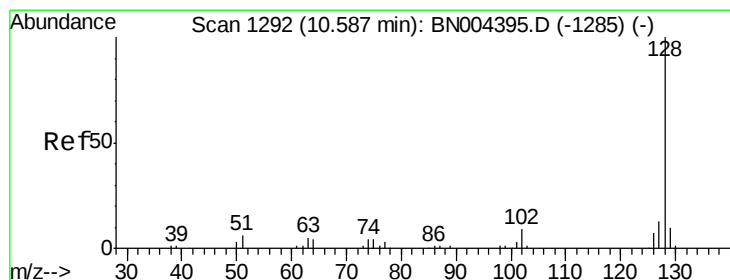
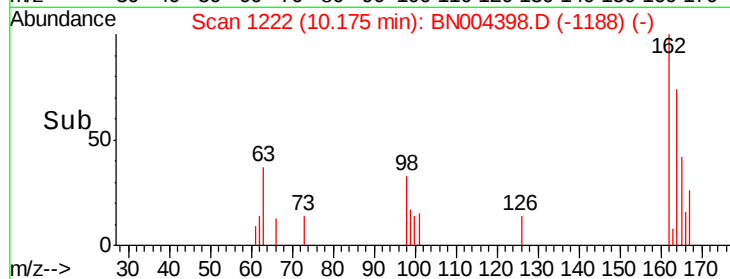
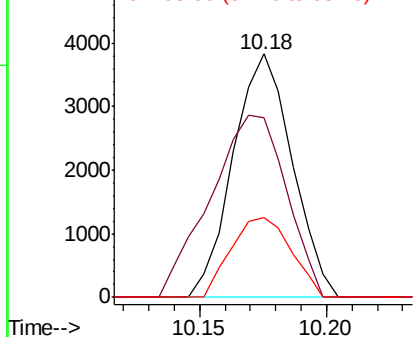
#27  
 2,4-Dichlorophenol  
 Concen: 3.799 ng/ul  
 RT: 10.18 min Scan# 1222  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion:162 Resp: 6190  
 Ion Ratio Lower Upper  
 162 100  
 164 73.6 53.0 79.4  
 98 32.8 27.0 40.4

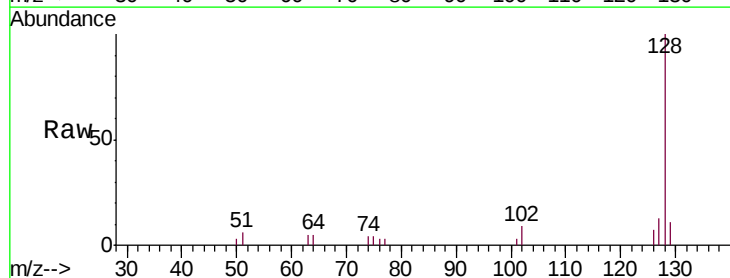


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BNC

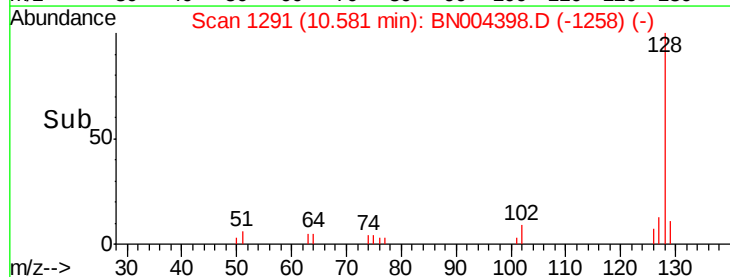
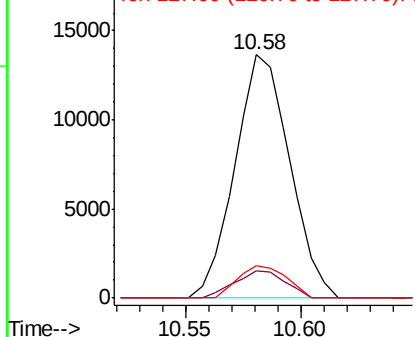


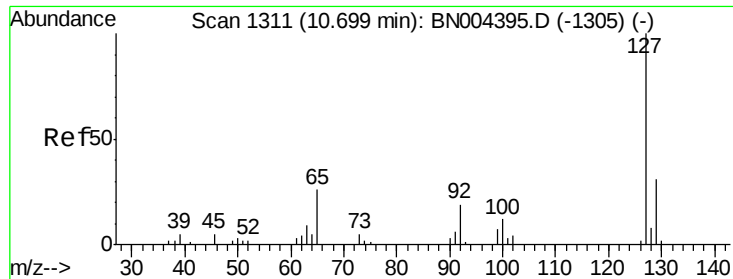
#28  
 Naphthalene  
 Concen: 4.157 ng/ul  
 RT: 10.58 min Scan# 1291  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:128 Resp: 22578  
 Ion Ratio Lower Upper  
 128 100  
 129 11.0 8.7 13.1  
 127 13.3 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

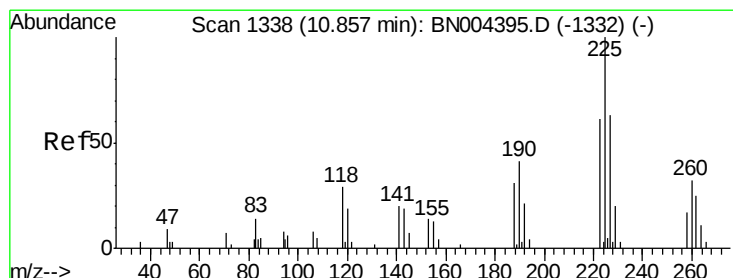
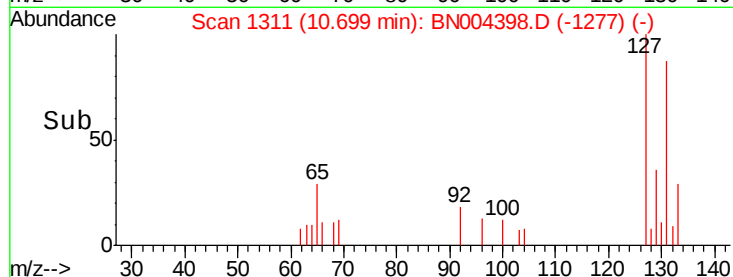
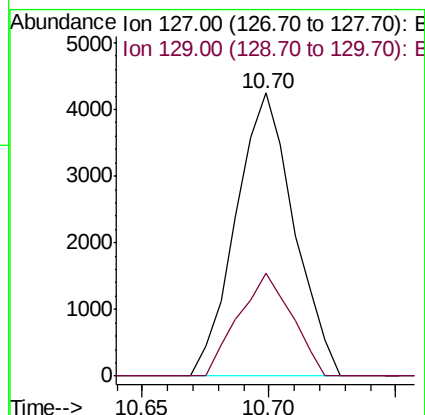
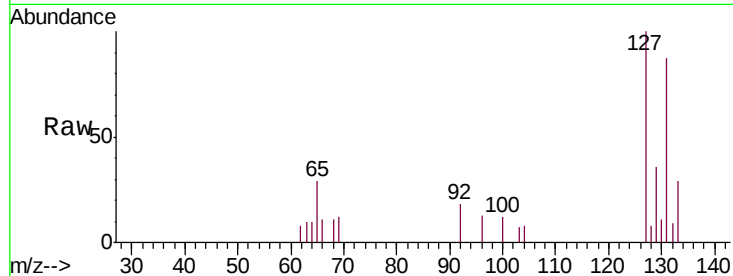




#30  
4-Chloroaniline  
Concen: 3.706 ng/ul  
RT: 10.70 min Scan# 1311  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

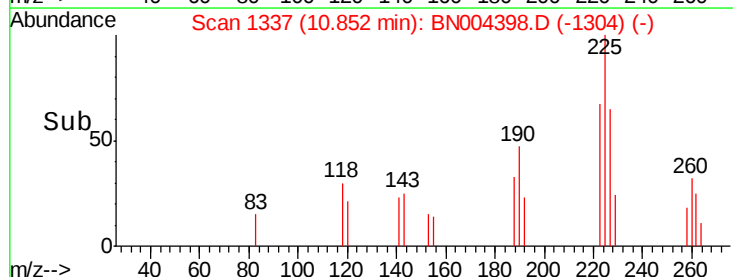
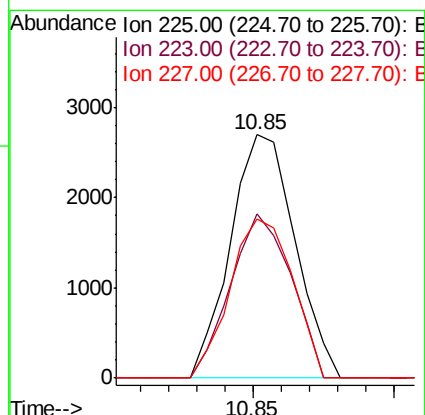
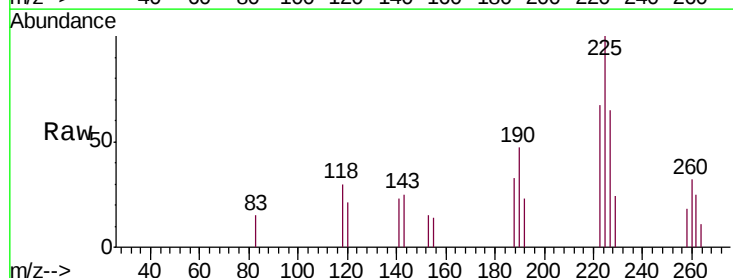
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

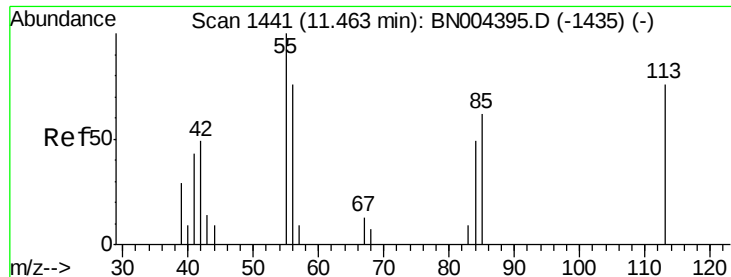
Tgt Ion:127 Resp: 6771  
Ion Ratio Lower Upper  
127 100  
129 36.3 26.1 39.1



#31  
Hexachlorobutadiene  
Concen: 4.062 ng/ul  
RT: 10.85 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Tgt Ion:225 Resp: 4279  
Ion Ratio Lower Upper  
225 100  
223 67.4 49.8 74.6  
227 65.2 50.2 75.2





#32

Caprolactam

Concen: 1.765 ng/ul

RT: 11.48 min Scan# 1444

Delta R.T. 0.02 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

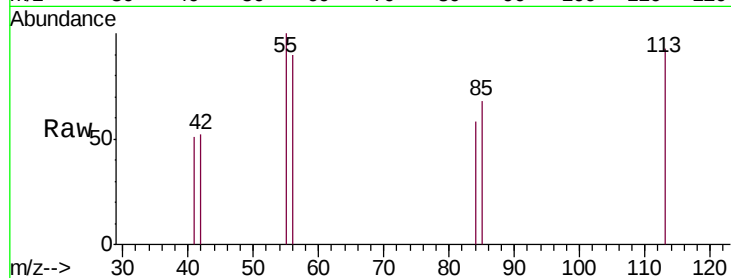
Tgt Ion:113 Resp: 971

Ion Ratio Lower Upper

113 100

55 107.3 100.7 151.1

56 96.1 76.1 114.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC

800

600

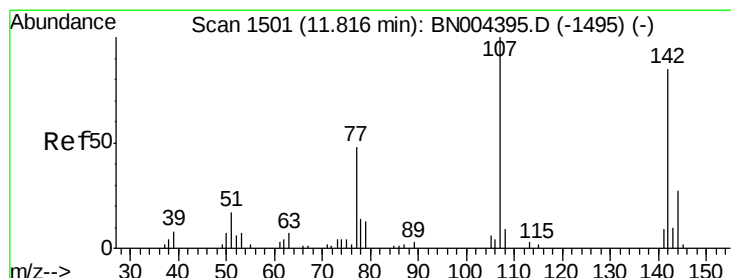
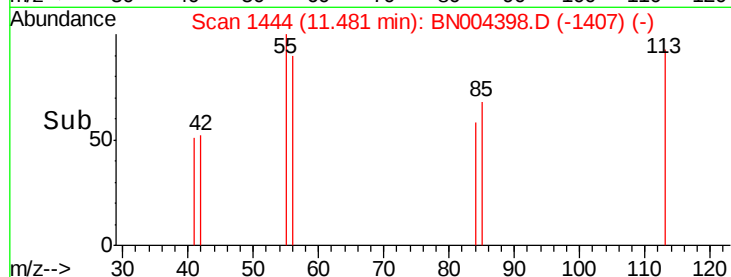
400

200

0

11.46 11.48 11.50

Time-->



#33

4-Chloro-3-methylphenol

Concen: 3.196 ng/ul

RT: 11.81 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

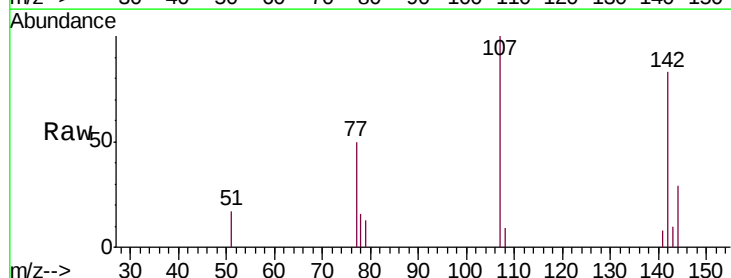
Tgt Ion:107 Resp: 5616

Ion Ratio Lower Upper

107 100

144 29.0 22.2 33.4

142 83.3 67.4 101.0



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

5000

4000

3000

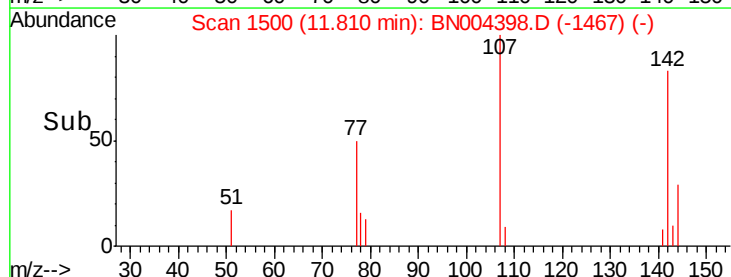
2000

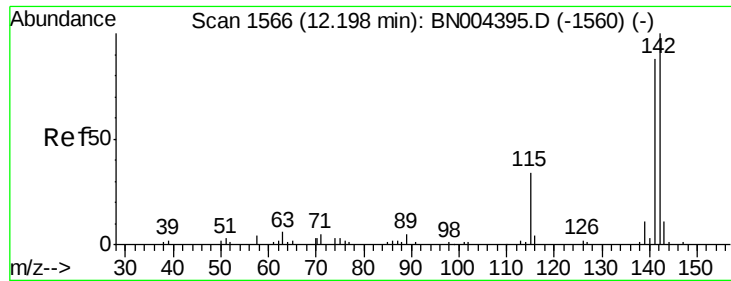
1000

0

11.80

Time-->

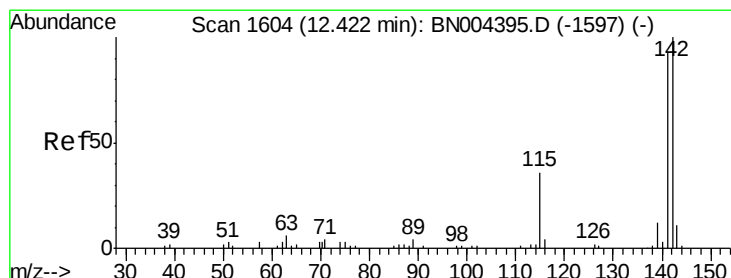
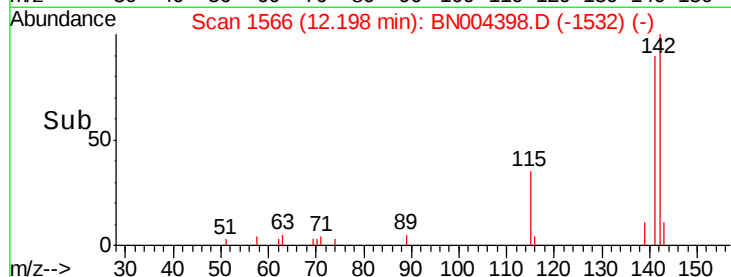
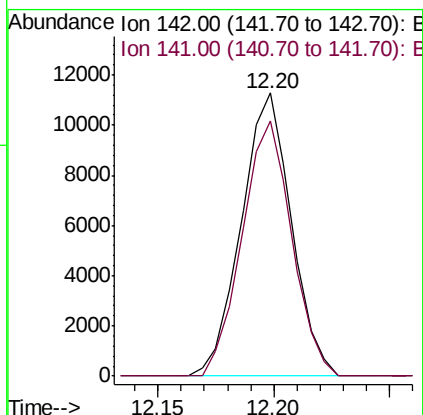
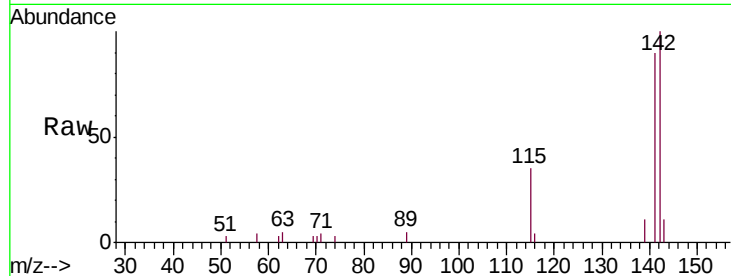




#34  
 2-Methylnaphthalene  
 Concen: 4.092 ng/ul  
 RT: 12.20 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

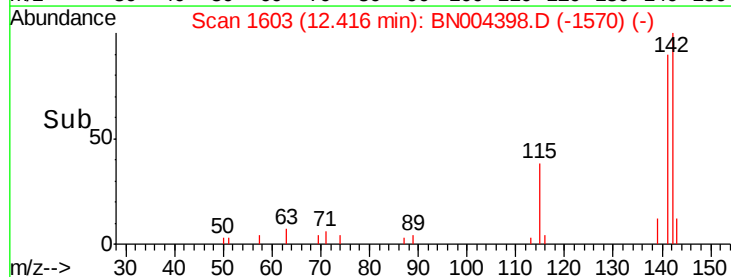
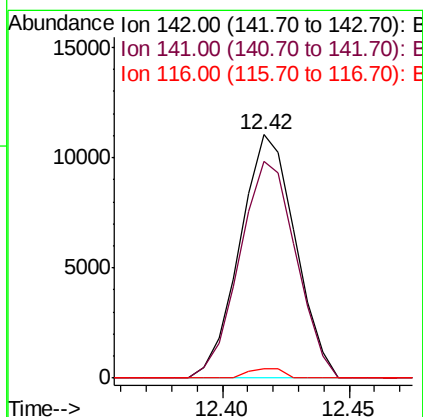
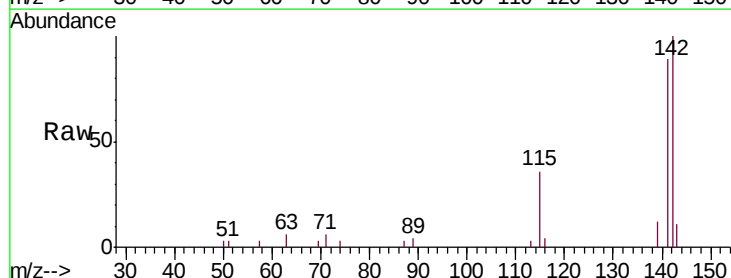
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

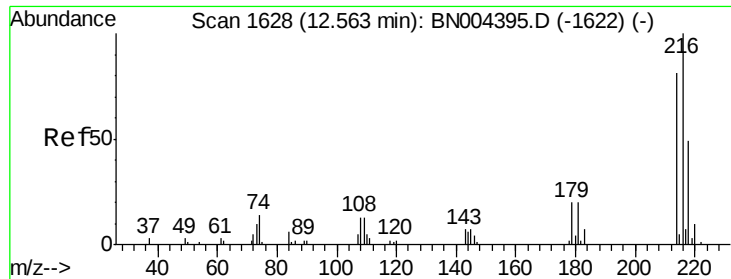
Tgt Ion:142 Resp: 17047  
 Ion Ratio Lower Upper  
 142 100  
 141 90.0 71.0 106.6



#35  
 1-Methylnaphthalene  
 Concen: 4.111 ng/ul  
 RT: 12.42 min Scan# 1603  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:142 Resp: 16890  
 Ion Ratio Lower Upper  
 142 100  
 141 89.2 74.9 112.3  
 116 3.7 3.1 4.7

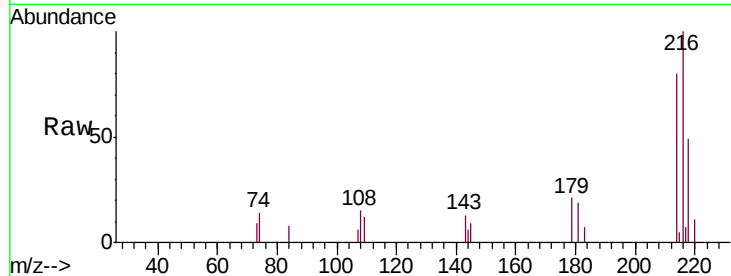




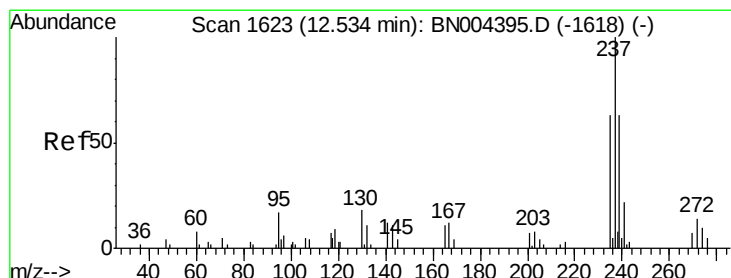
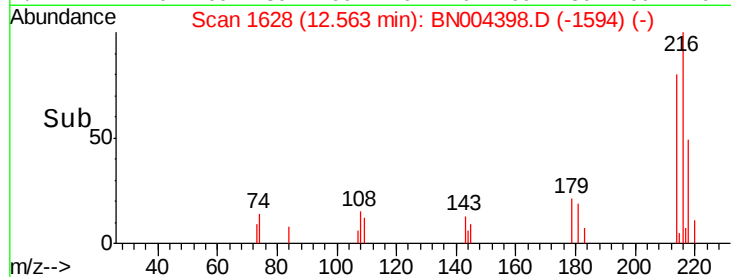
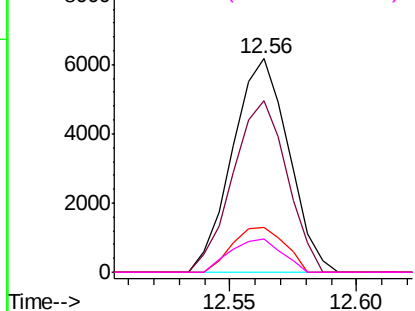
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 4.071 ng/ul  
 RT: 12.56 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 9531  |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 80.4  | 60.9  | 91.3  |
| 179      | 20.8  | 16.2  | 24.4  |
| 108      | 15.5  | 11.5  | 17.3  |

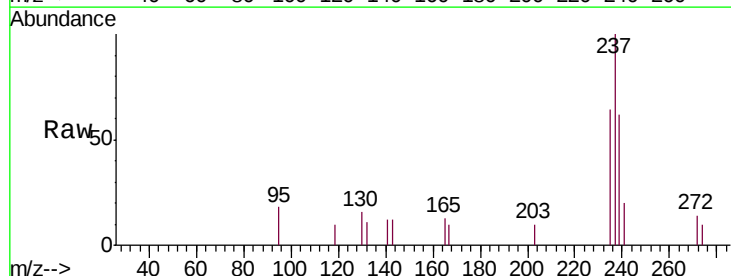


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

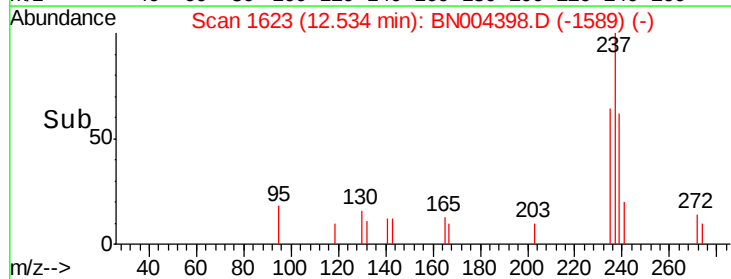
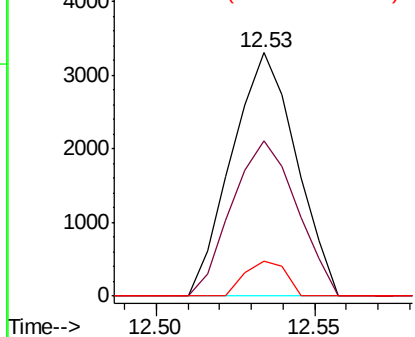


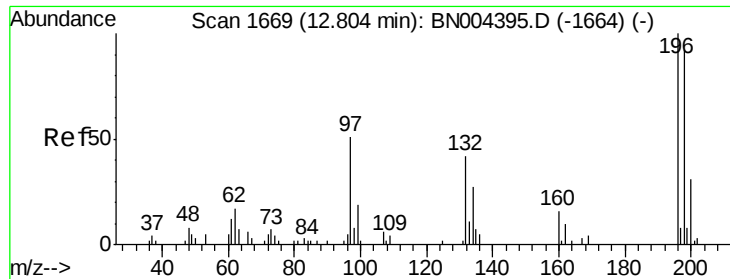
#38  
 Hexachlorocyclopentadiene  
 Concen: 3.205 ng/ul  
 RT: 12.53 min Scan# 1623  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 4666  |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 64.0  | 50.8  | 76.2  |
| 272      | 14.3  | 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

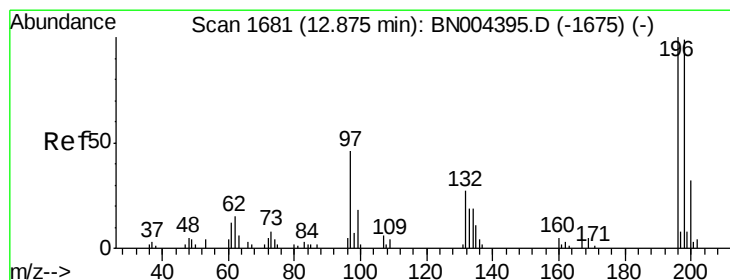
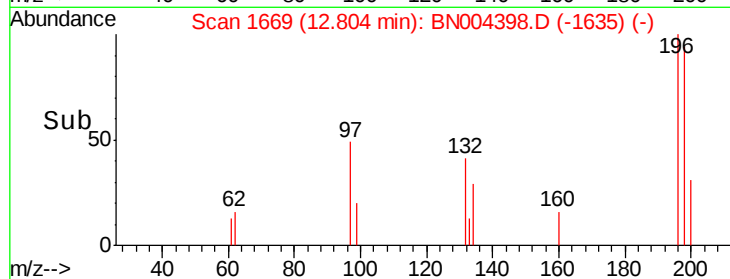
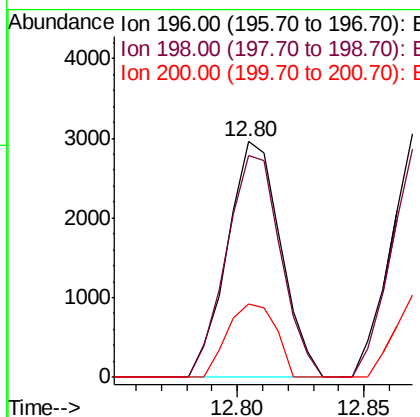
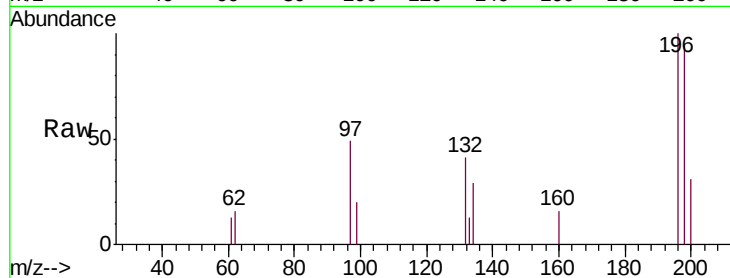




#39  
 2,4,6-Trichlorophenol  
 Concen: 3.134 ng/uL  
 RT: 12.80 min Scan# 1669  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

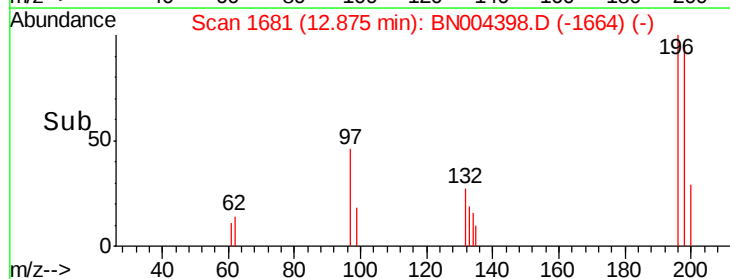
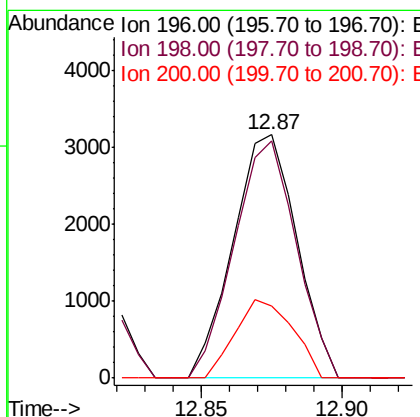
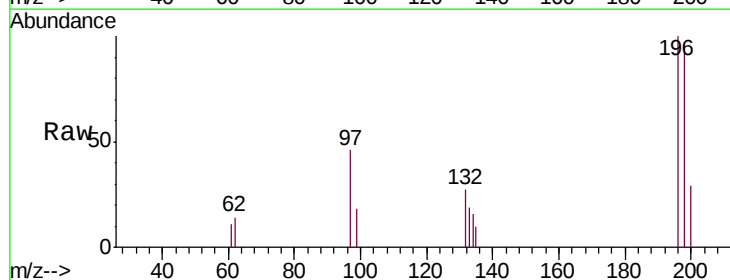
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

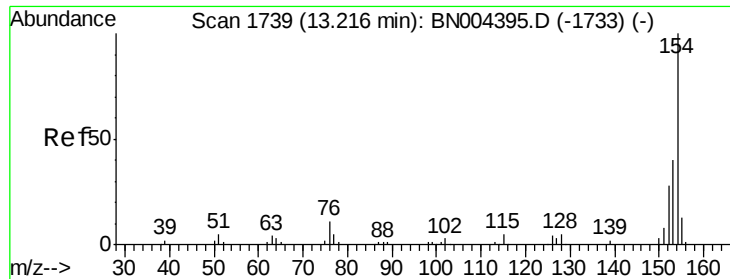
Tgt Ion:196 Resp: 4336  
 Ion Ratio Lower Upper  
 196 100  
 198 94.4 76.6 115.0  
 200 31.1 24.5 36.7



#40  
 2,4,5-Trichlorophenol  
 Concen: 3.196 ng/uL  
 RT: 12.87 min Scan# 1681  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:196 Resp: 4967  
 Ion Ratio Lower Upper  
 196 100  
 198 97.3 79.9 119.9  
 200 29.4 25.9 38.9

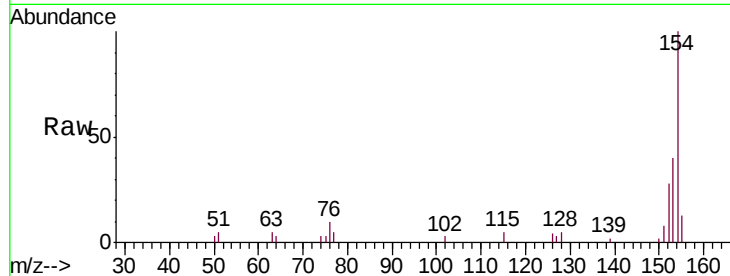




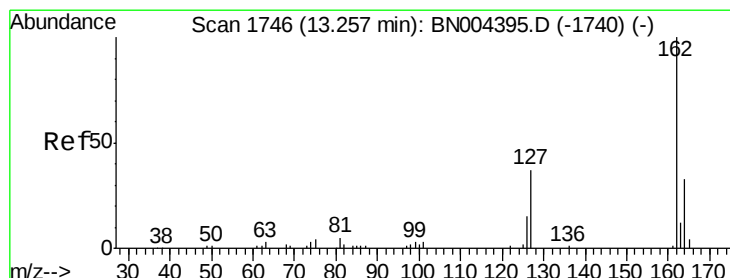
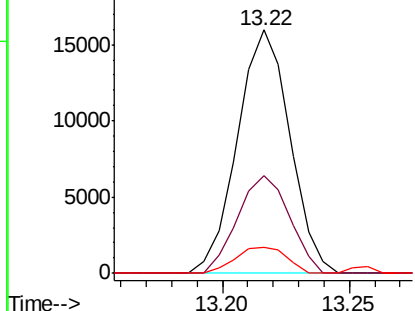
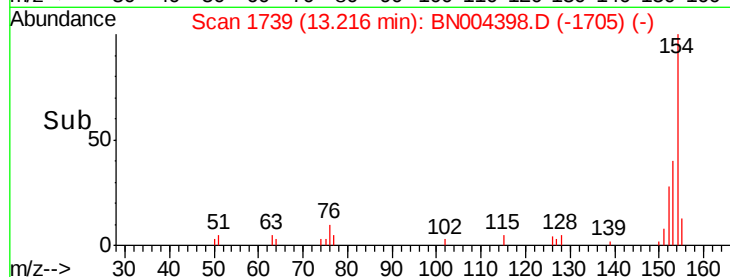
#41  
 1,1'-Biphenyl  
 Concen: 4.034 ng/ul  
 RT: 13.22 min Scan# 1739  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion:154 Resp: 22923  
 Ion Ratio Lower Upper  
 154 100  
 153 39.9 32.6 48.8  
 76 10.4 9.2 13.8

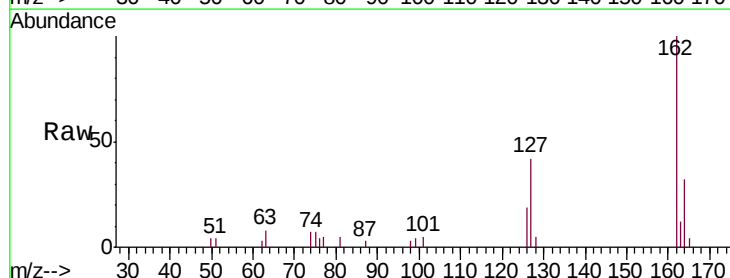


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BNC

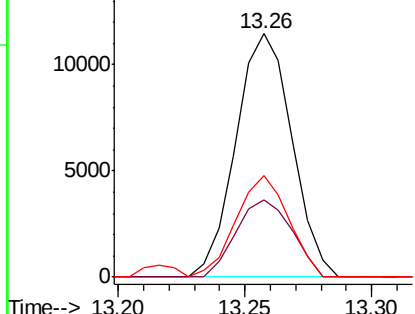
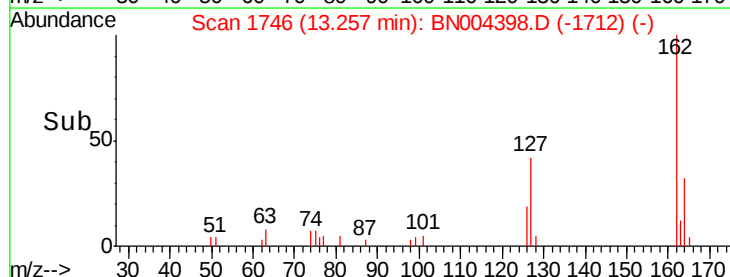


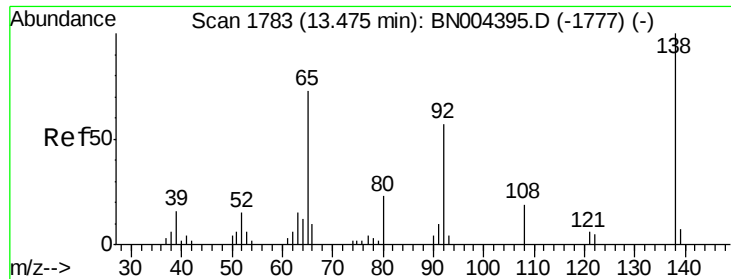
#42  
 2-Chloronaphthalene  
 Concen: 3.990 ng/ul  
 RT: 13.26 min Scan# 1746  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:162 Resp: 17638  
 Ion Ratio Lower Upper  
 162 100  
 164 31.6 26.4 39.6  
 127 41.6 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

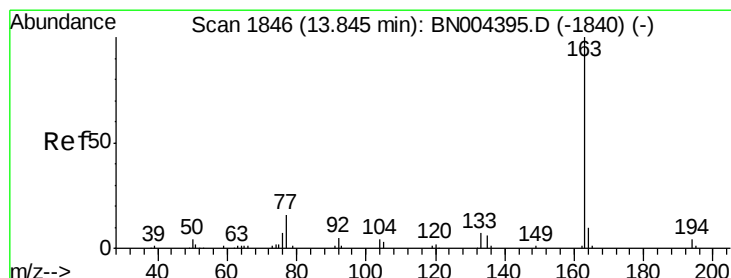
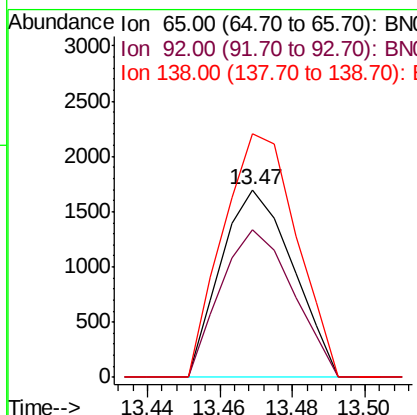
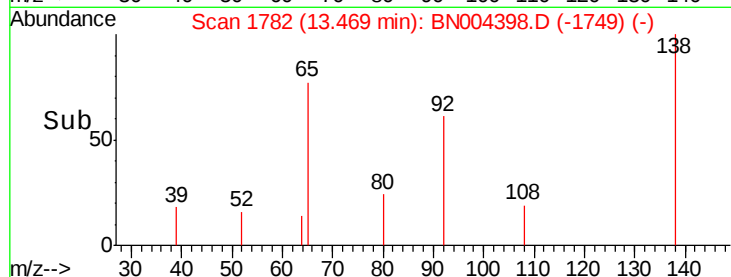
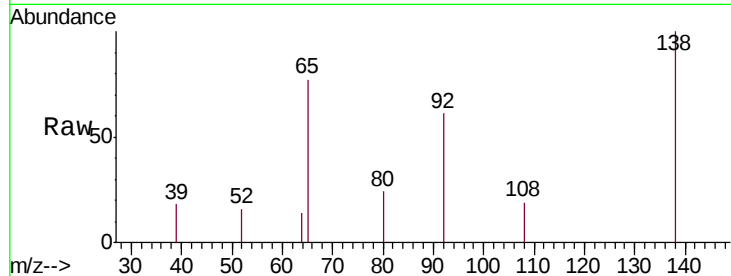




#43  
 2-Nitroaniline  
 Concen: 2.597 ng/ul  
 RT: 13.47 min Scan# 1782  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

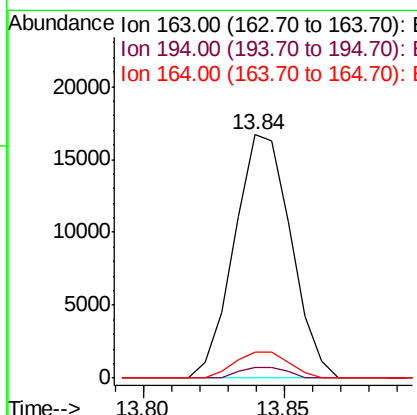
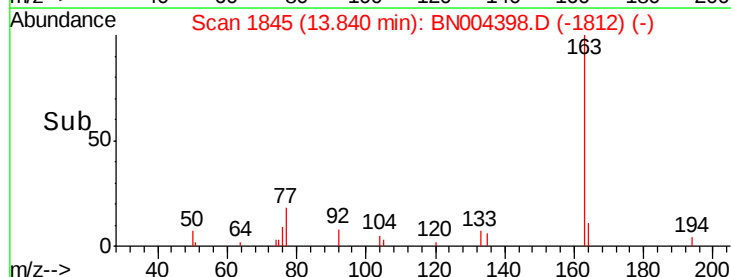
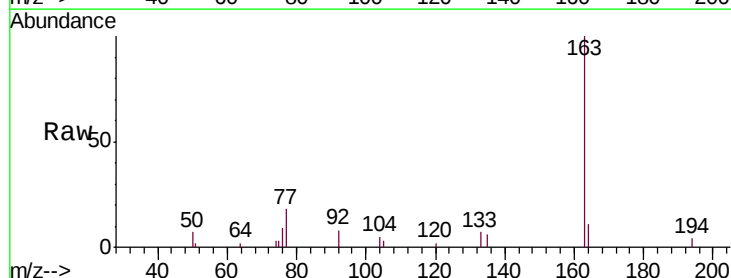
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

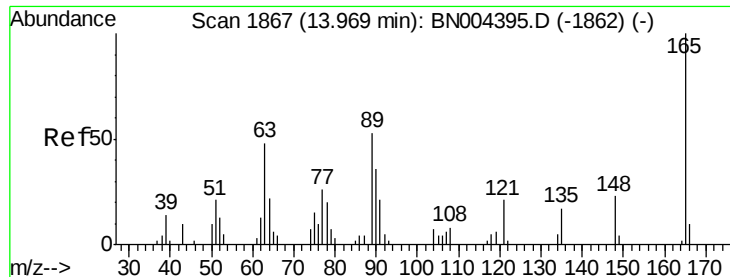
Tgt Ion: 65 Resp: 2343  
 Ion Ratio Lower Upper  
 65 100  
 92 78.6 62.1 93.1  
 138 129.6 105.0 157.6



#45  
 Dimethylphthalate  
 Concen: 3.940 ng/ul  
 RT: 13.84 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion: 163 Resp: 23230  
 Ion Ratio Lower Upper  
 163 100  
 194 4.2 3.4 5.2  
 164 10.7 7.9 11.9

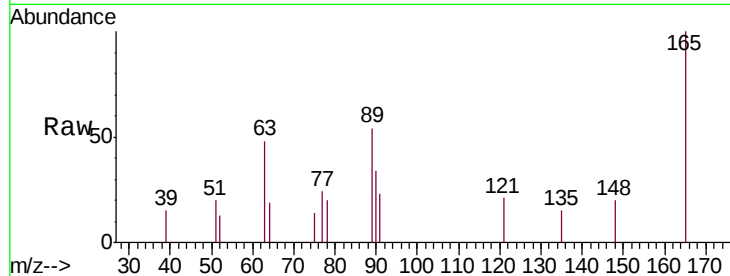




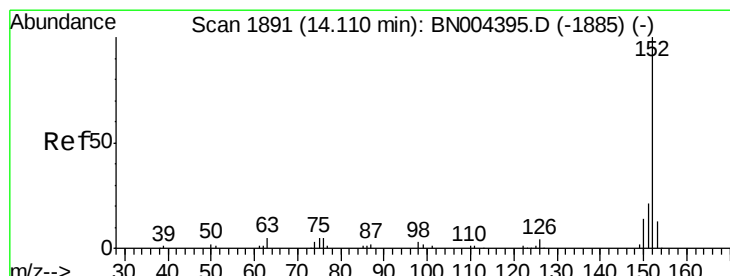
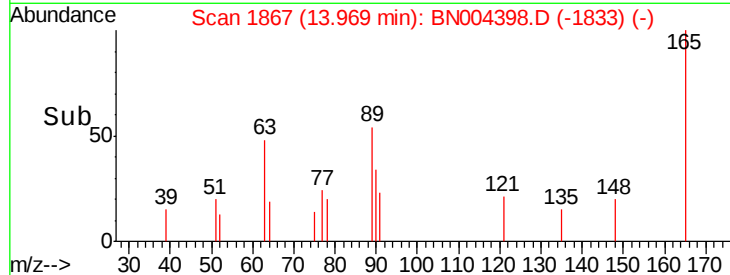
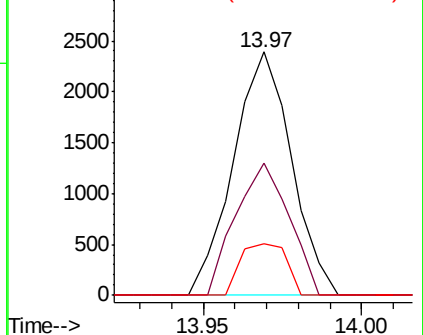
#46  
2,6-Dinitrotoluene  
Concen: 2.933 ng/ul  
RT: 13.97 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

Tgt Ion:165 Resp: 3049  
Ion Ratio Lower Upper  
165 100  
89 54.5 42.0 63.0  
121 21.4 17.0 25.6

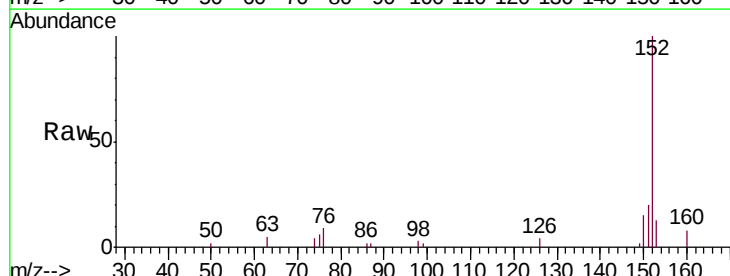


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 89.00 (88.70 to 89.70): BNO  
Ion 121.00 (120.70 to 121.70): E

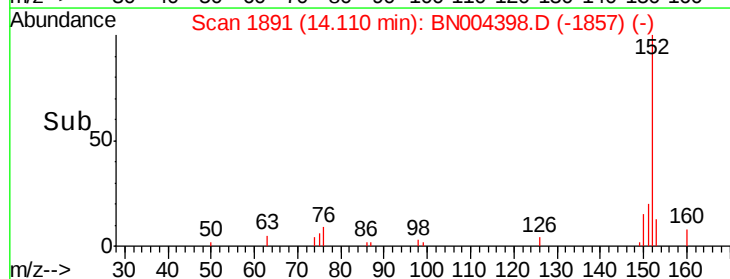
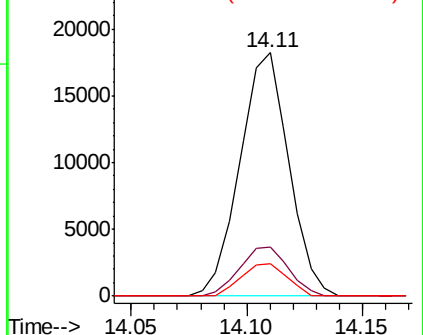


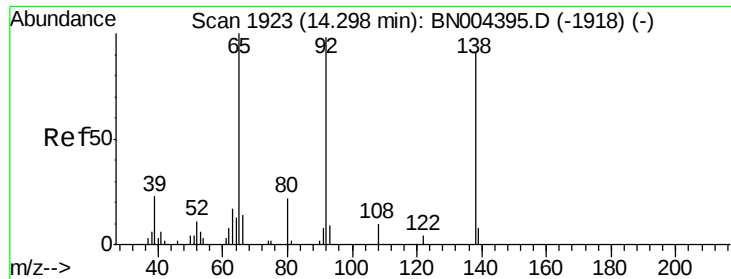
#48  
Acenaphthylene  
Concen: 4.006 ng/ul  
RT: 14.11 min Scan# 1891  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Tgt Ion:152 Resp: 26880  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 13.2 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

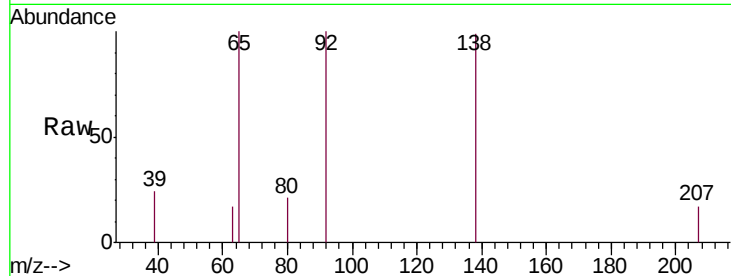




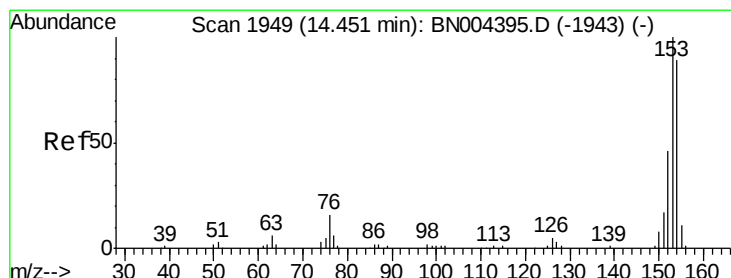
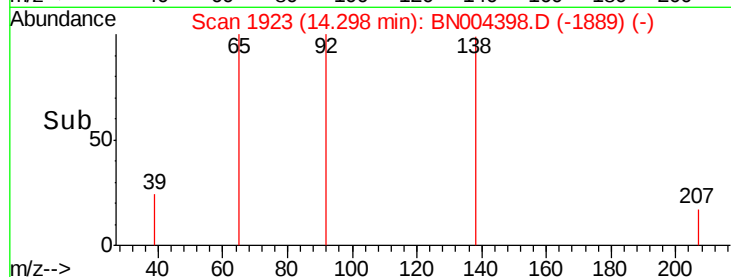
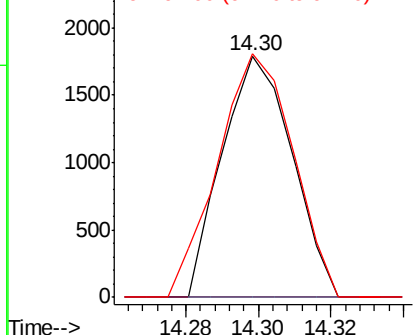
#49  
3-Nitroaniline  
Concen: 2.259 ng/ul  
RT: 14.30 min Scan# 1923  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

Tgt Ion:138 Resp: 2397  
Ion Ratio Lower Upper  
138 100  
108 0.0 9.0 13.4#  
92 100.9 85.8 128.6

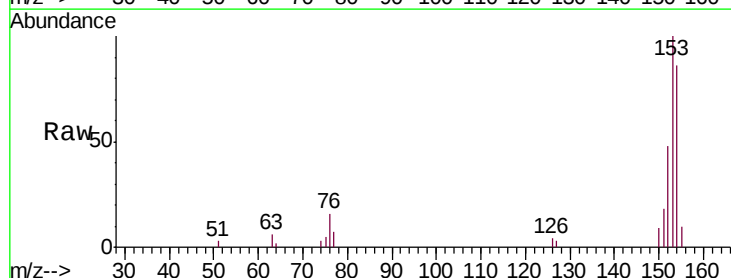


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BNC

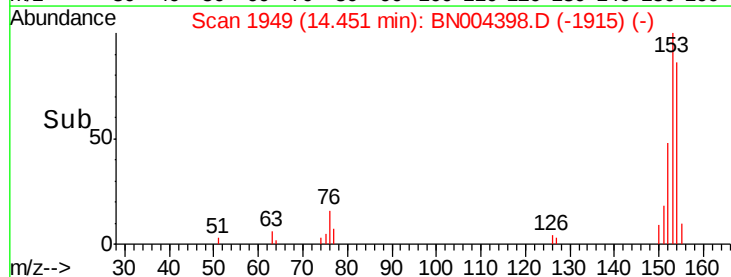
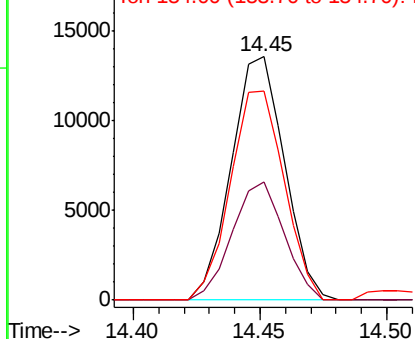


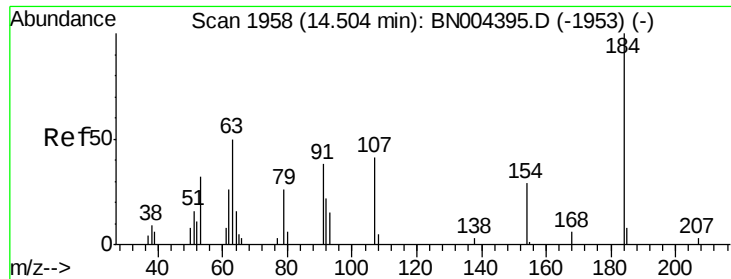
#50  
Acenaphthene  
Concen: 4.117 ng/ul  
RT: 14.45 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Tgt Ion:153 Resp: 19897  
Ion Ratio Lower Upper  
153 100  
152 48.3 37.8 56.6  
154 85.8 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

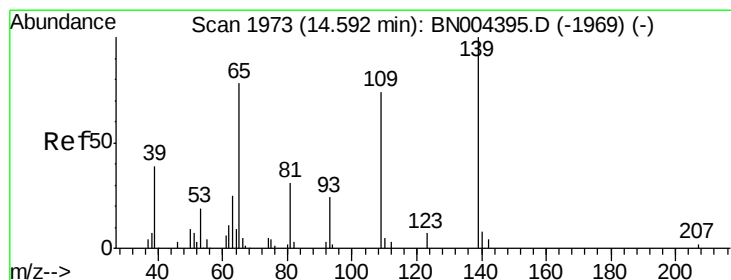
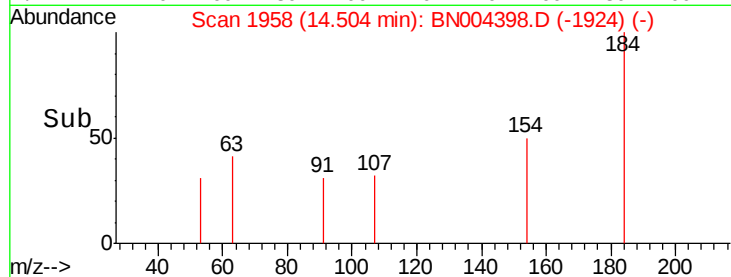
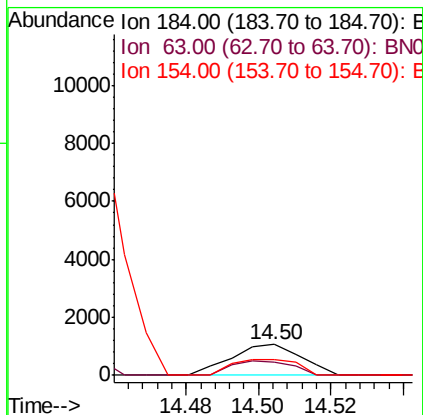
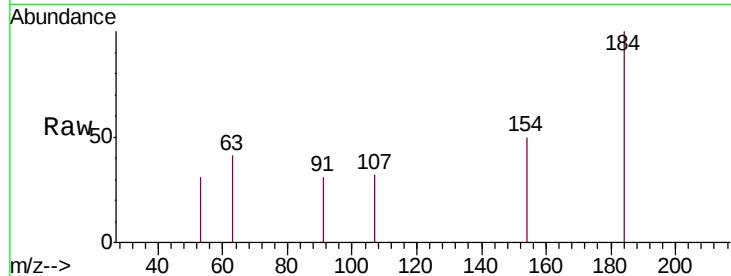




#51  
 2,4-Dinitrophenol  
 Concen: 2.226 ng/ul  
 RT: 14.50 min Scan# 1958  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

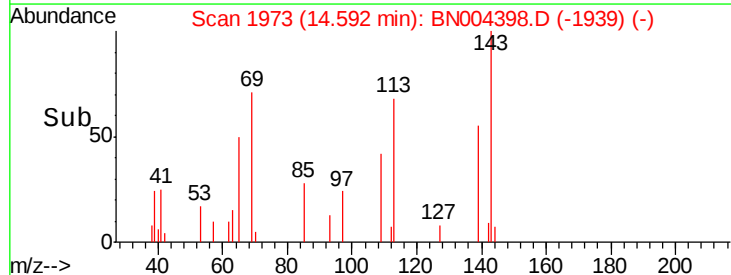
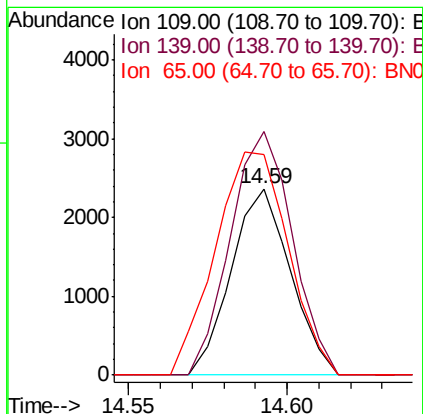
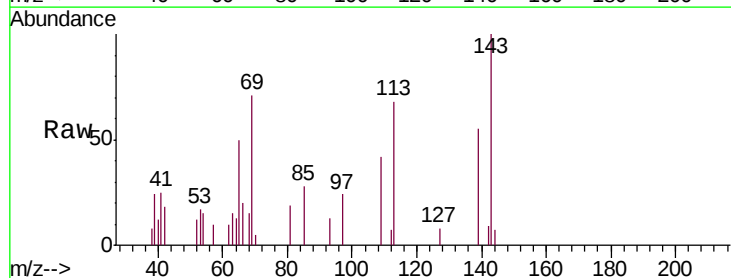
Instrument :  
 BNA\_N  
 ClientSampled :  
 MDL-S-03

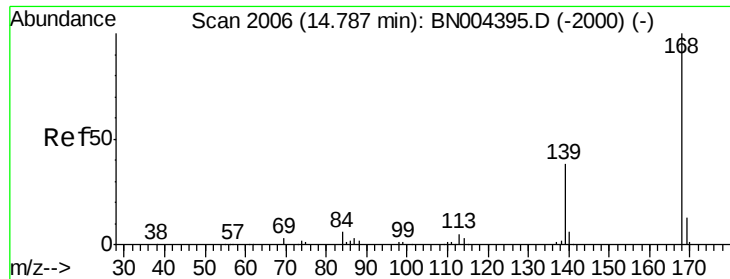
Tgt Ion:184 Resp: 1440  
 Ion Ratio Lower Upper  
 184 100  
 63 41.4 39.1 58.7  
 154 50.1 46.2 69.4



#53  
 4-Nitrophenol  
 Concen: 3.598 ng/ul  
 RT: 14.59 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:109 Resp: 3055  
 Ion Ratio Lower Upper  
 109 100  
 139 130.8 112.1 168.1  
 65 118.3 90.3 135.5





#54

Dibenzenofuran

Concen: 4.128 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

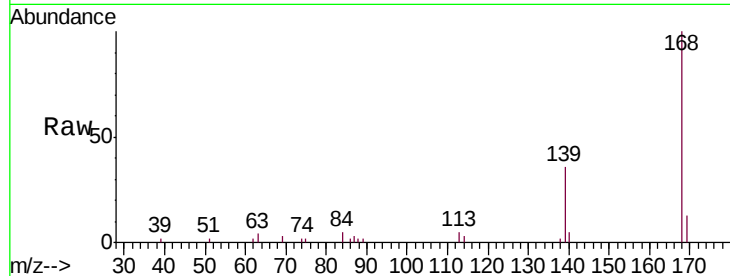
MDL-S-03

Tgt Ion:168 Resp: 28859

Ion Ratio Lower Upper

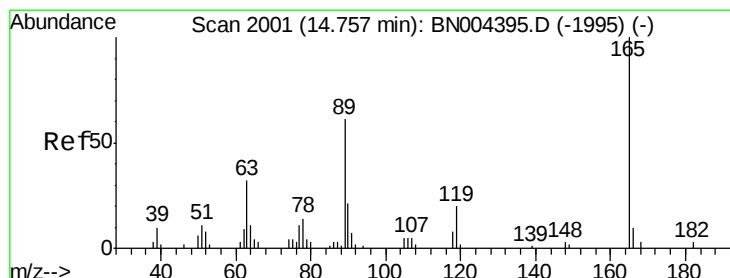
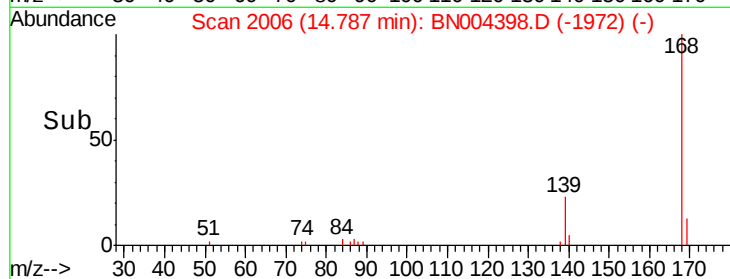
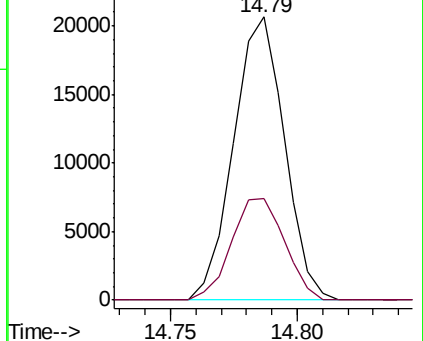
168 100

139 35.9 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: 3.178 ng/ul

RT: 14.75 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

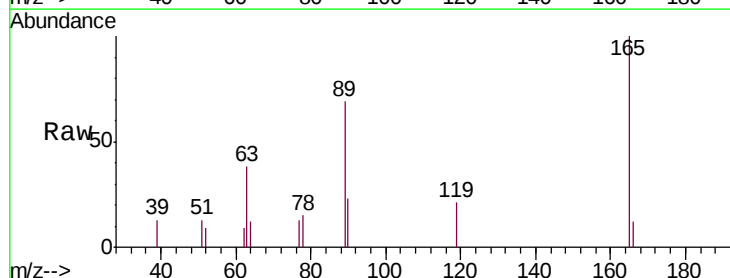
Tgt Ion:165 Resp: 5182

Ion Ratio Lower Upper

165 100

63 37.7 27.6 41.4

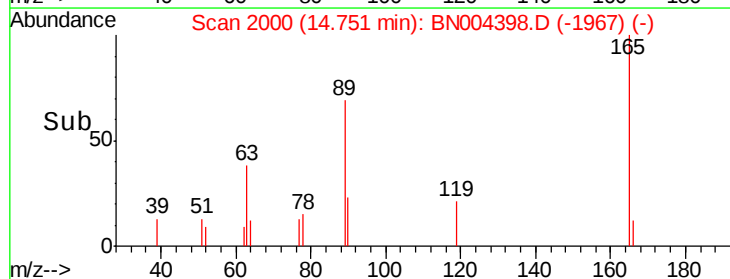
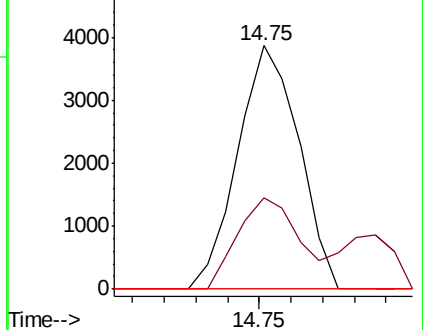
182 0.0 2.3 3.5#

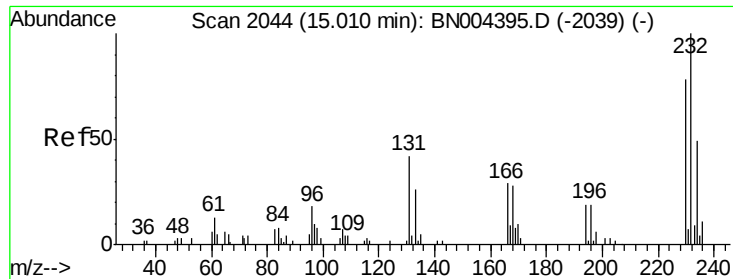


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

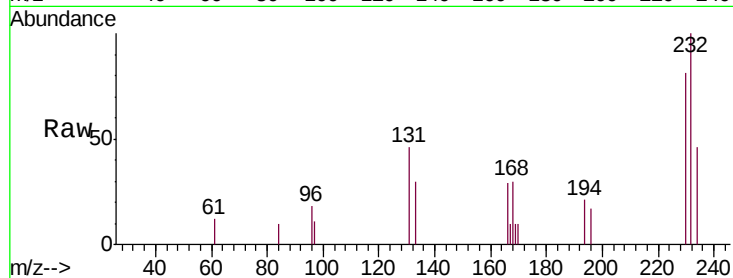




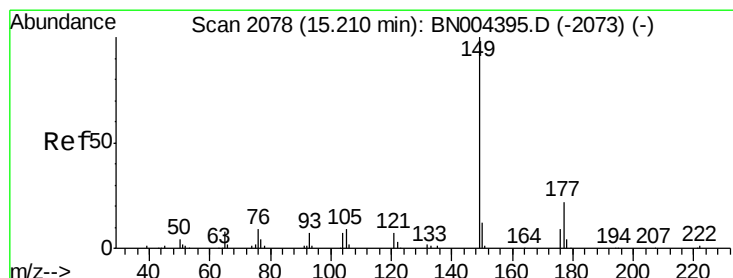
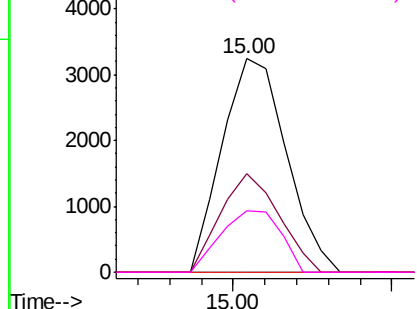
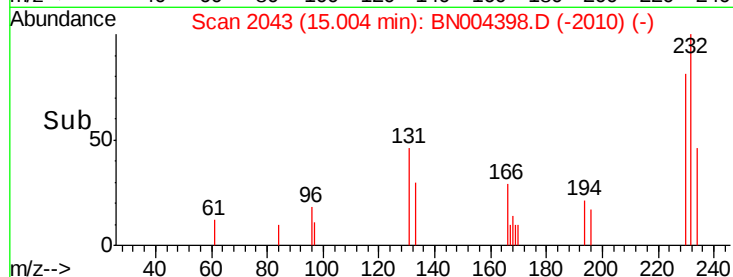
#56  
 2,3,4,6-Tetrachlorophenol  
 Concen: 3.221 ng/ul  
 RT: 15.00 min Scan# 2043  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion: 232 Resp: 4567  
 Ion Ratio Lower Upper  
 232 100  
 131 46.0 33.4 50.0  
 130 0.0 1.8 2.8#  
 166 29.0 23.4 35.0

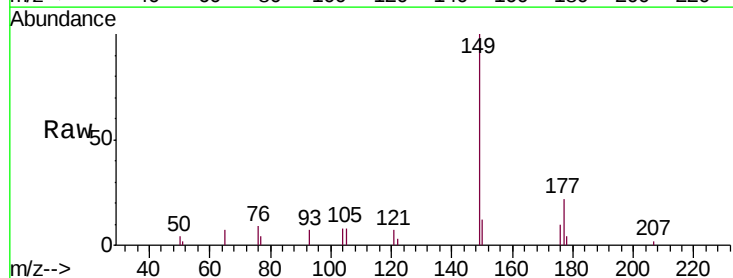


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

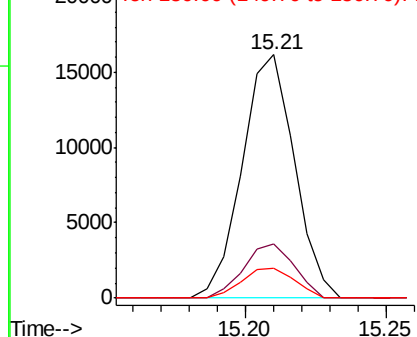
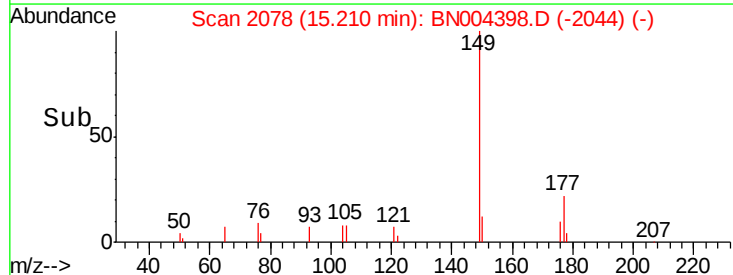


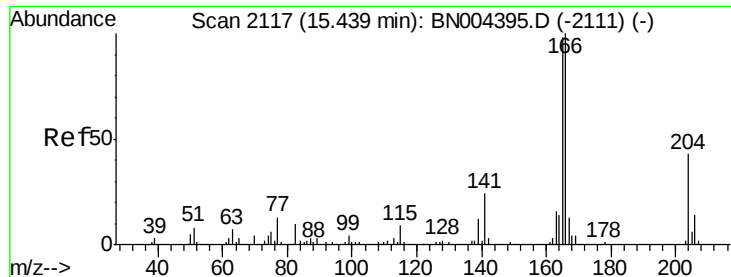
#57  
 Diethylphthalate  
 Concen: 3.568 ng/ul  
 RT: 15.21 min Scan# 2078  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion: 149 Resp: 20764  
 Ion Ratio Lower Upper  
 149 100  
 177 22.1 18.0 27.0  
 150 12.4 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





#59

Fluorene

Concen: 4.093 ng/ul

RT: 15.43 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

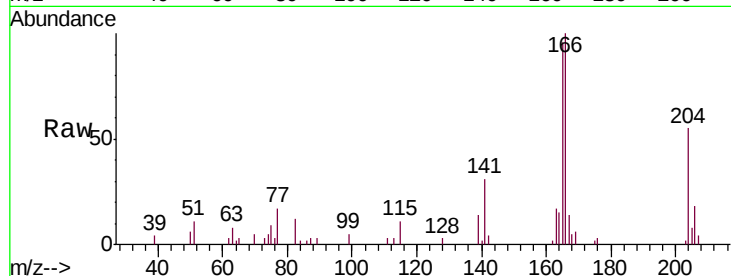
Tgt Ion:166 Resp: 23191

Ion Ratio Lower Upper

166 100

165 96.4 78.0 117.0

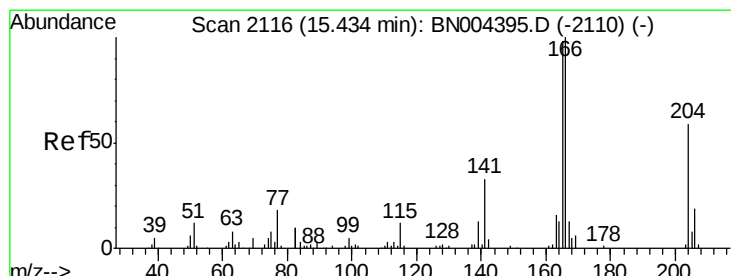
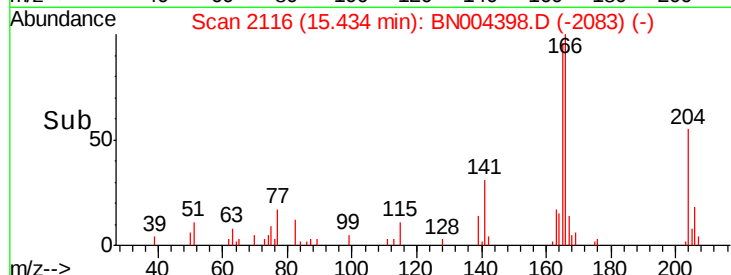
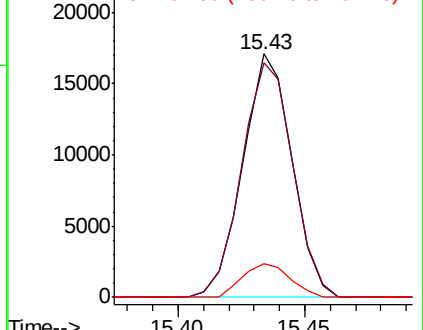
167 13.9 10.8 16.2



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



#60

4-Chlorophenyl-phenylether

Concen: 4.203 ng/ul

RT: 15.43 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

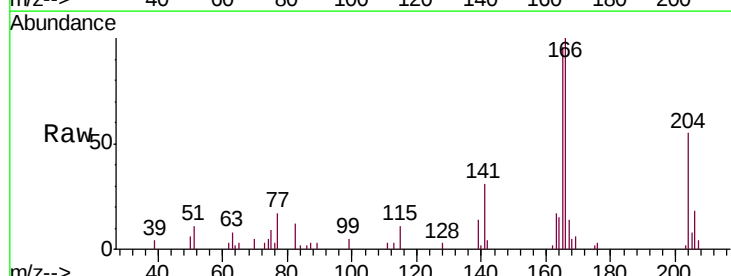
Tgt Ion:204 Resp: 12601

Ion Ratio Lower Upper

204 100

206 33.4 26.5 39.7

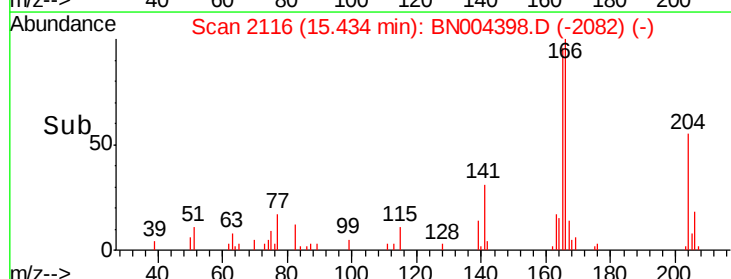
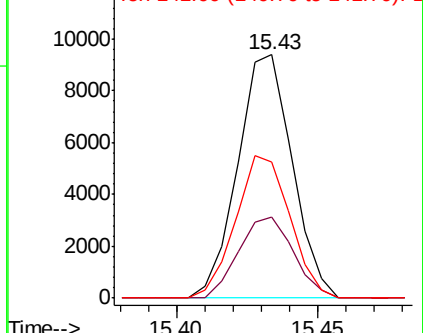
141 55.7 44.8 67.2

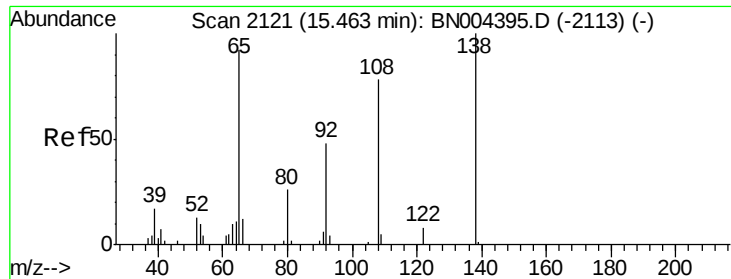


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

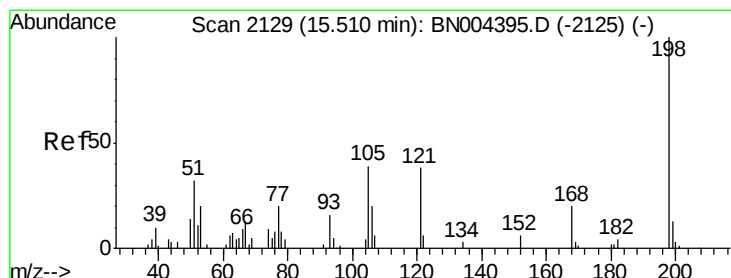
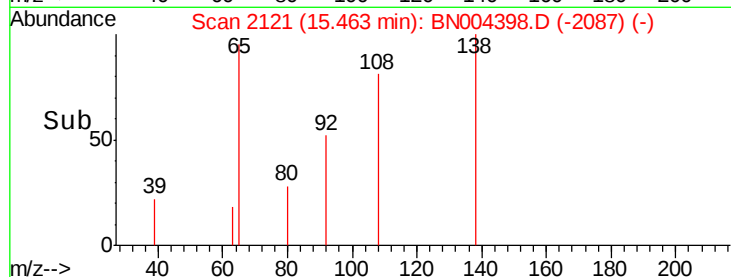
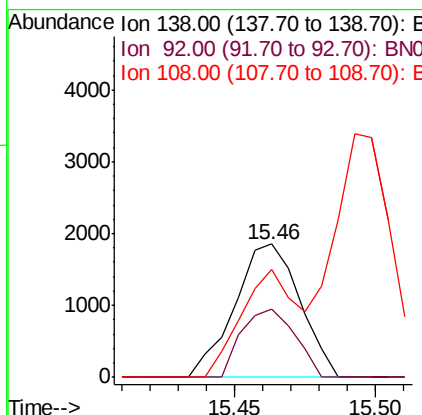
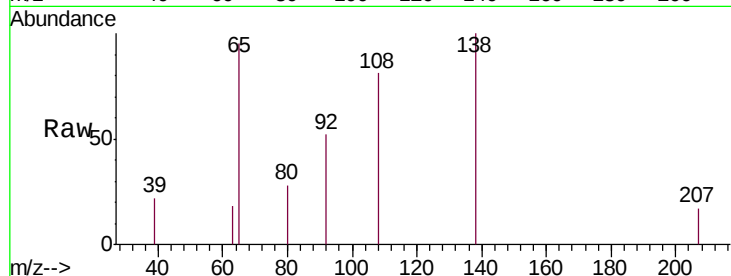




#61  
4-Nitroaniline  
Concen: 2.149 ng/ul  
RT: 15.46 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

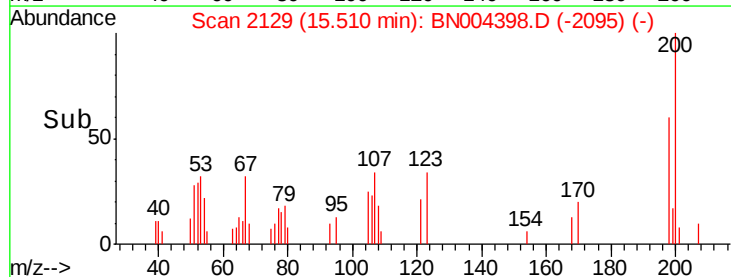
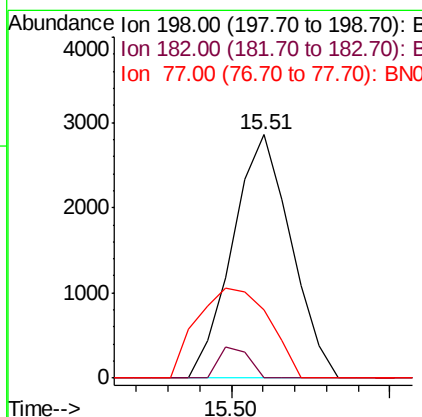
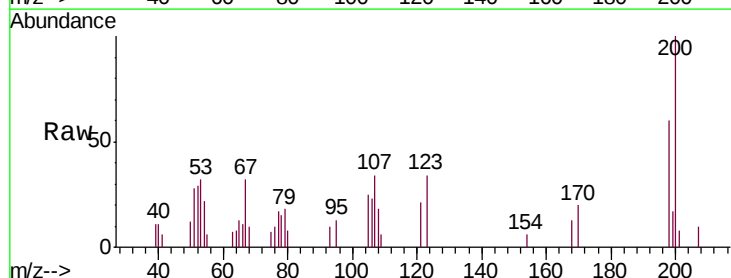
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

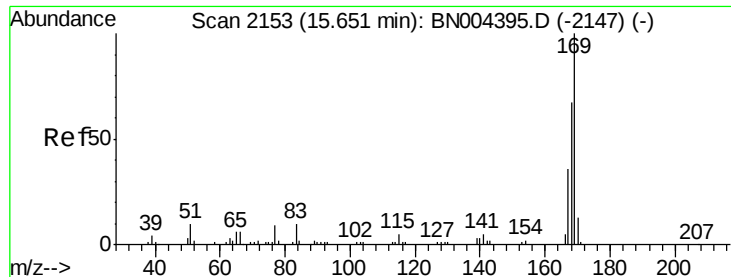
Tgt Ion:138 Resp: 2967  
Ion Ratio Lower Upper  
138 100  
92 51.5 37.8 56.8  
108 80.9 61.7 92.5



#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.377 ng/ul  
RT: 15.51 min Scan# 2129  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Tgt Ion:198 Resp: 3657  
Ion Ratio Lower Upper  
198 100  
182 0.0 3.3 4.9#  
77 28.1 16.2 24.4#





#65

N-Nitrosodiphenylamine

Concen: 3.850 ng/ul

RT: 15.65 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

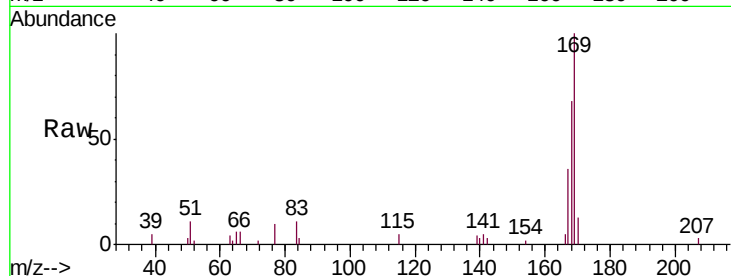
Tgt Ion:169 Resp: 19476

Ion Ratio Lower Upper

169 100

168 67.7 53.8 80.6

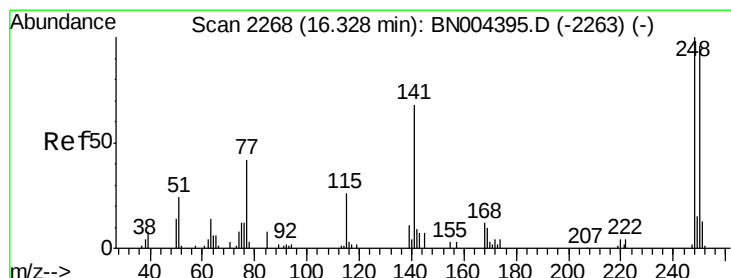
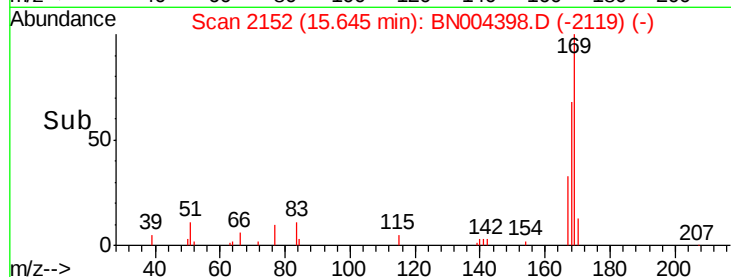
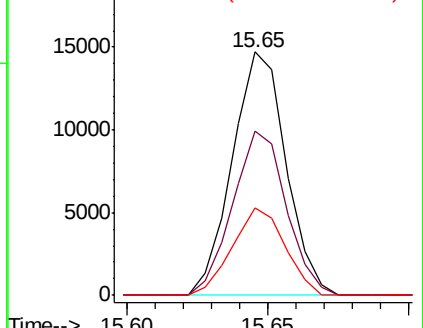
167 36.2 29.0 43.4



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



#66

4-Bromophenyl-phenylether

Concen: 3.898 ng/ul

RT: 16.33 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

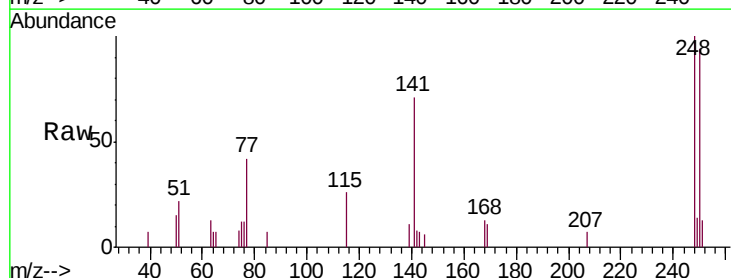
Tgt Ion:248 Resp: 7694

Ion Ratio Lower Upper

248 100

250 93.7 77.9 116.9

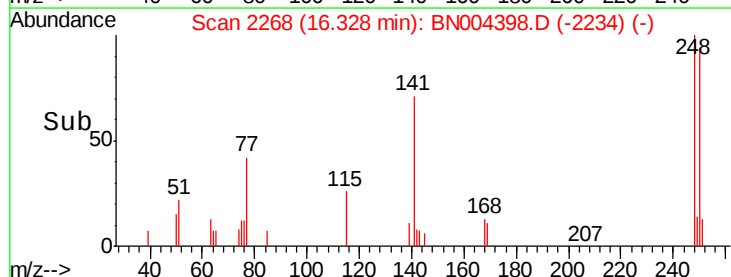
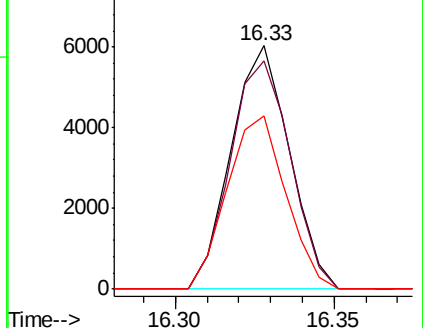
141 71.4 55.1 82.7

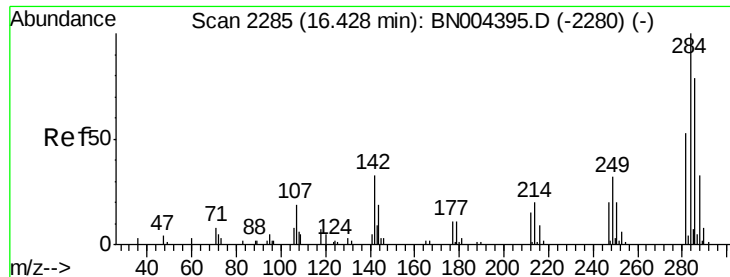


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 3.924 ng/ul

RT: 16.43 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

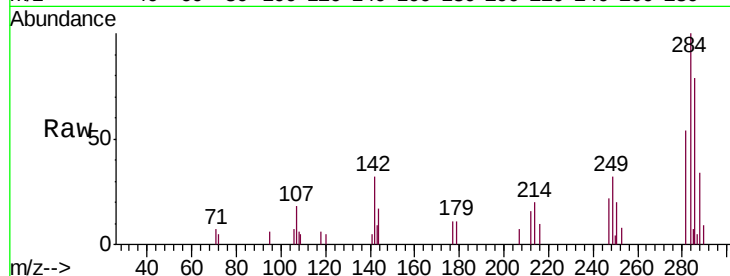
Tgt Ion:284 Resp: 9072

Ion Ratio Lower Upper

284 100

142 32.2 24.5 36.7

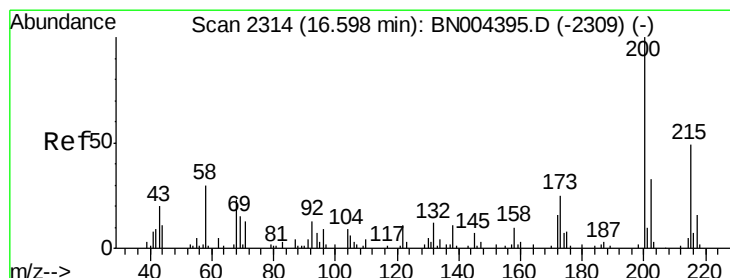
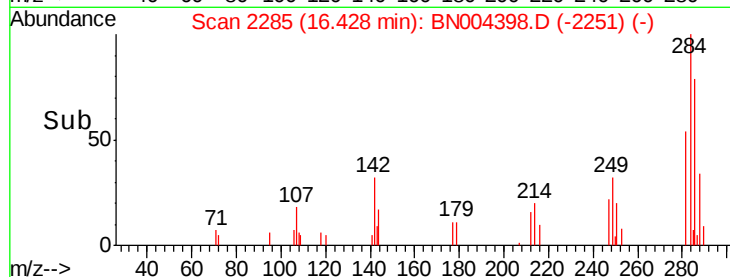
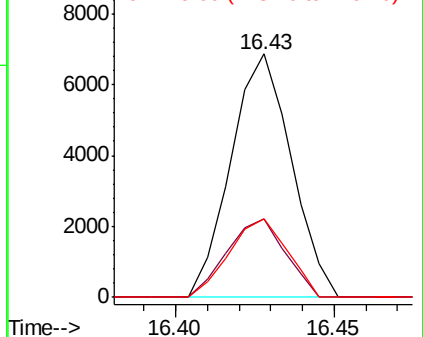
249 32.1 25.0 37.6



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



#68

Atrazine

Concen: 2.906 ng/ul

RT: 16.60 min Scan# 2314

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

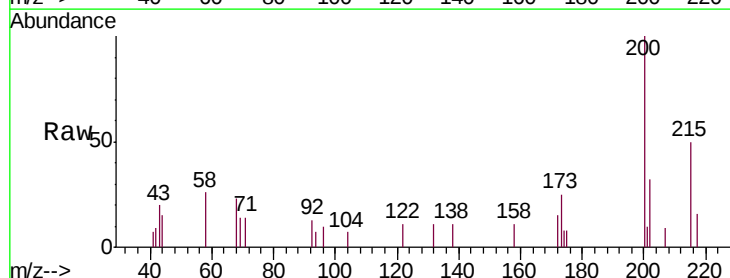
Tgt Ion:200 Resp: 5661

Ion Ratio Lower Upper

200 100

173 25.2 20.1 30.1

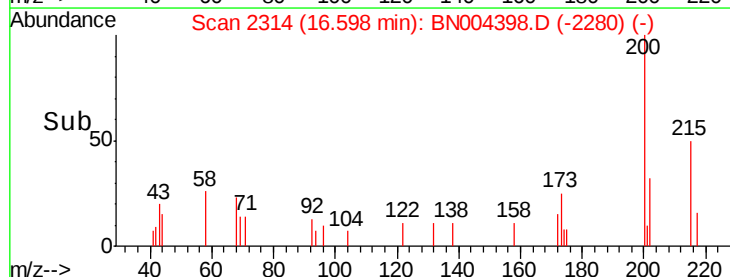
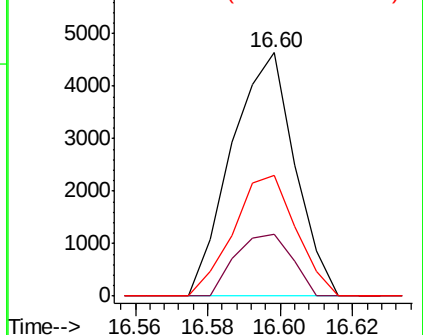
215 49.7 39.1 58.7

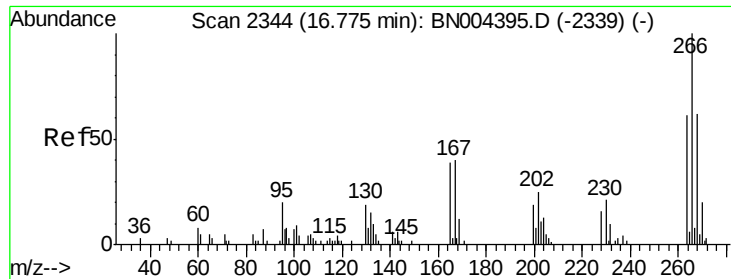


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

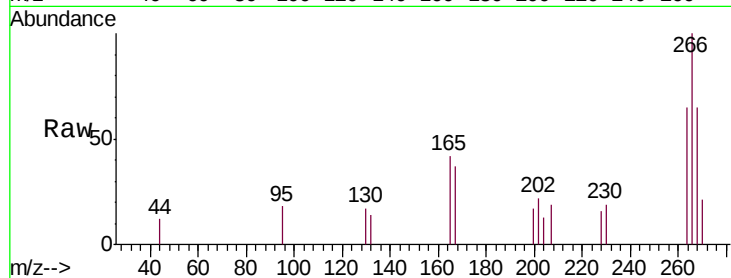




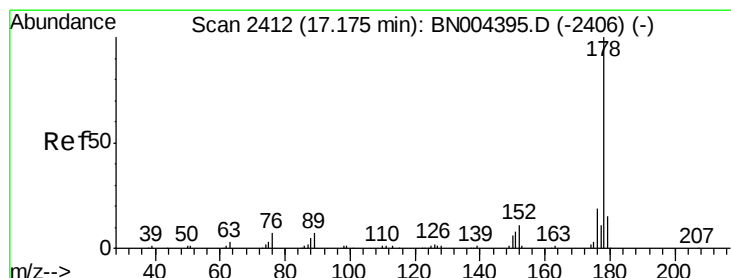
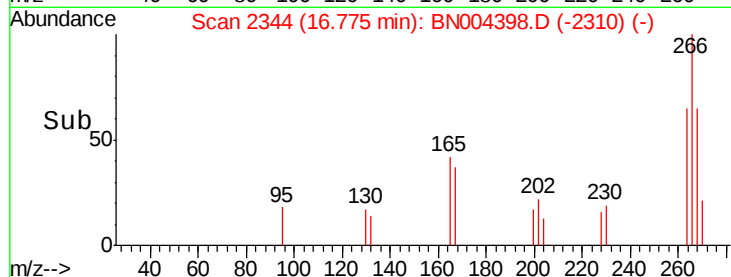
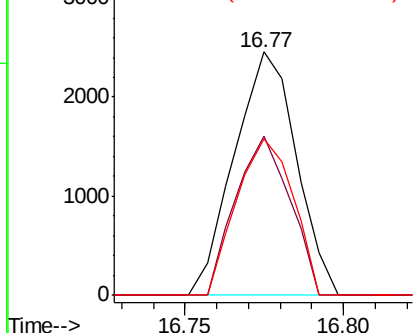
#69  
 Pentachlorophenol  
 Concen: 2.478 ng/ul  
 RT: 16.77 min Scan# 2344  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion:266 Resp: 3340  
 Ion Ratio Lower Upper  
 266 100  
 264 65.2 50.3 75.5  
 268 64.6 49.6 74.4

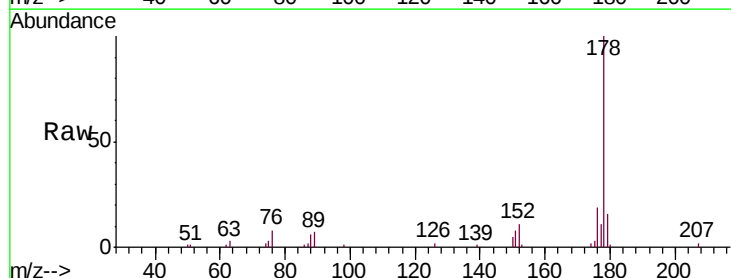


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

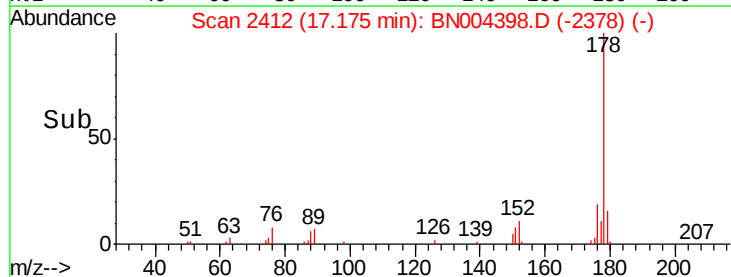
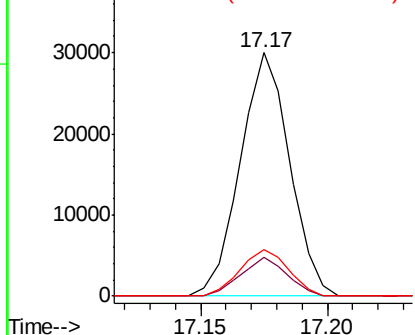


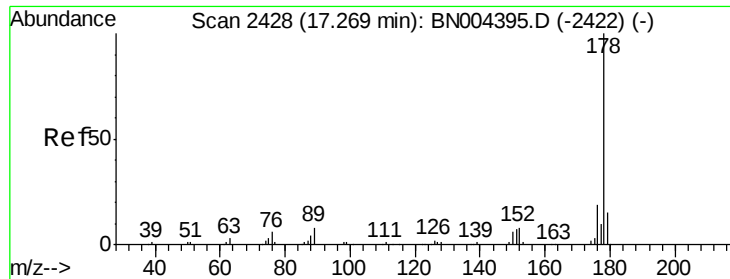
#70  
 Phenanthrene  
 Concen: 4.140 ng/ul  
 RT: 17.17 min Scan# 2412  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:178 Resp: 40574  
 Ion Ratio Lower Upper  
 178 100  
 179 15.9 12.3 18.5  
 176 19.3 15.4 23.0



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

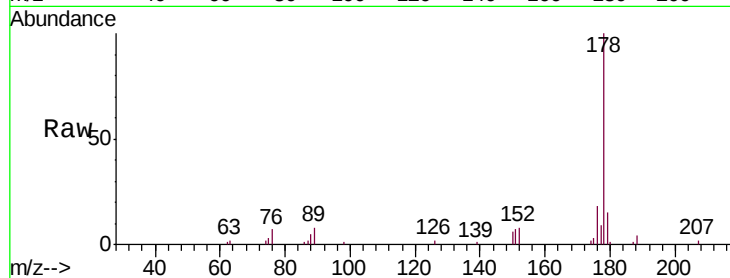




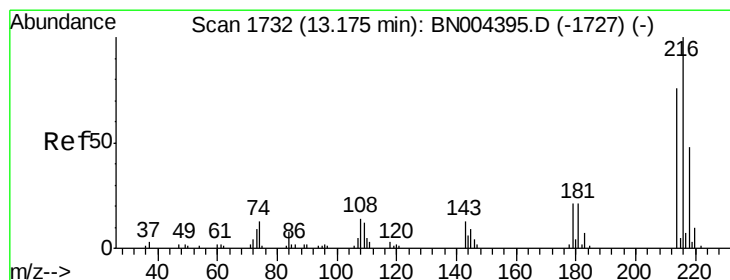
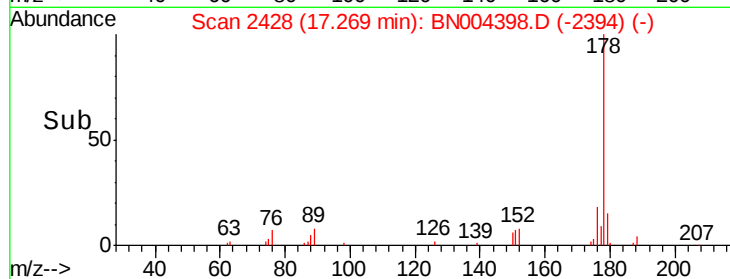
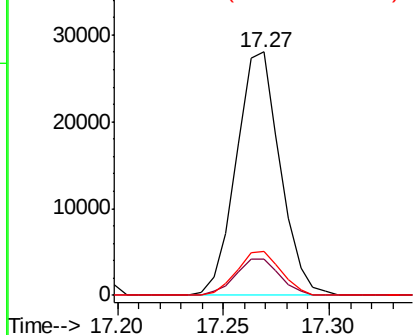
#72  
 Anthracene  
 Concen: 4.093 ng/uL  
 RT: 17.27 min Scan# 2428  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion:178 Resp: 40383  
 Ion Ratio Lower Upper  
 178 100  
 179 14.9 12.2 18.4  
 176 18.3 14.9 22.3

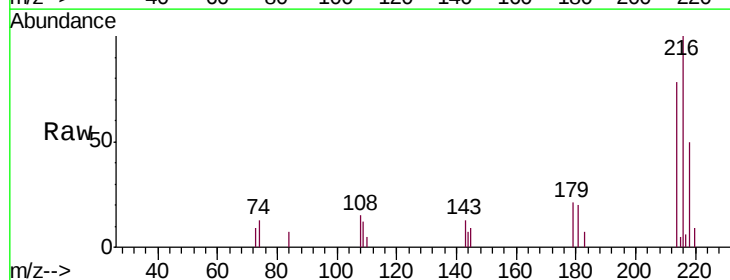


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E

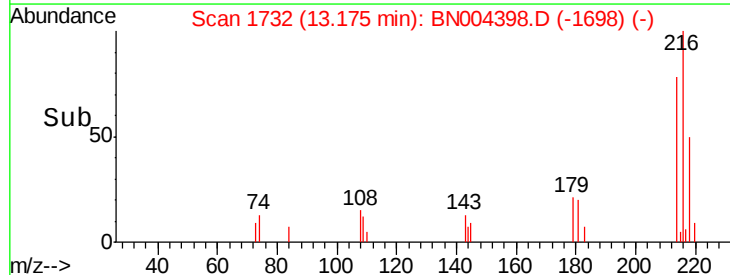
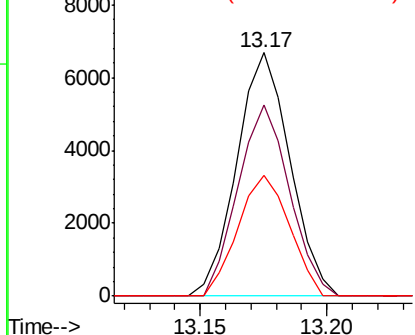


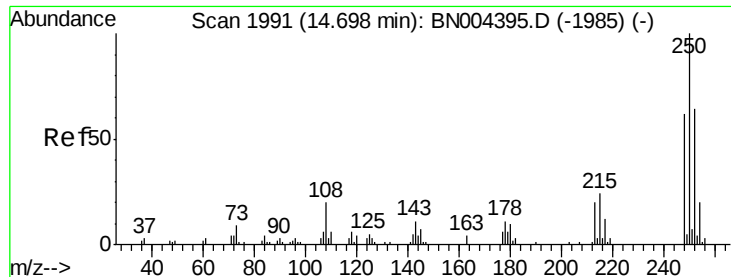
#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 4.036 ng/uL  
 RT: 13.17 min Scan# 1732  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:216 Resp: 9779  
 Ion Ratio Lower Upper  
 216 100  
 214 78.4 61.9 92.9  
 218 49.7 38.7 58.1



Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 218.00 (217.70 to 218.70): E





#74

Pentachlorobenzene

Concen: 4.063 ng/uL

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

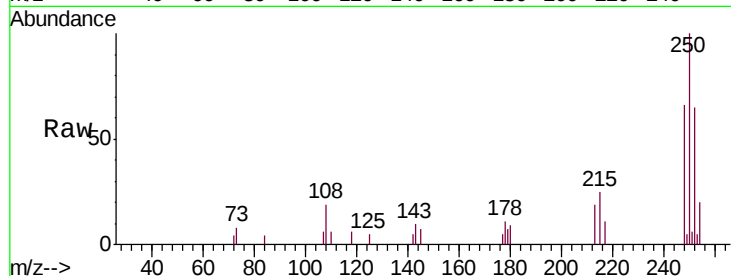
Tgt Ion:250 Resp: 10521

Ion Ratio Lower Upper

250 100

248 65.8 51.5 77.3

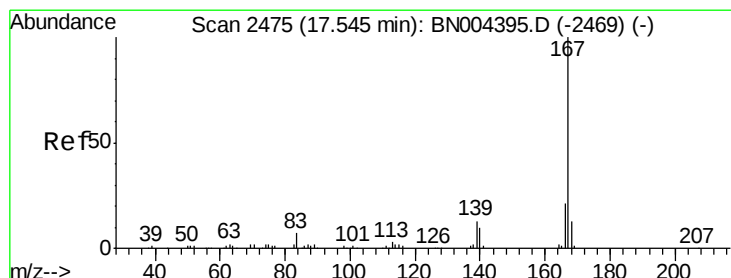
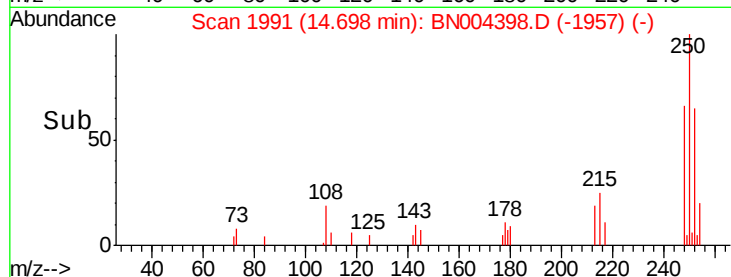
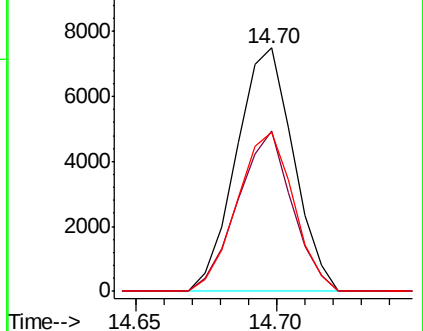
252 65.4 50.4 75.6



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E



#75

Carbazole

Concen: 3.734 ng/uL

RT: 17.54 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

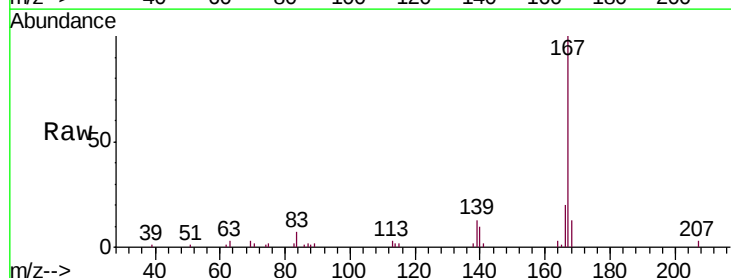
Tgt Ion:167 Resp: 32922

Ion Ratio Lower Upper

167 100

166 20.0 17.5 26.3

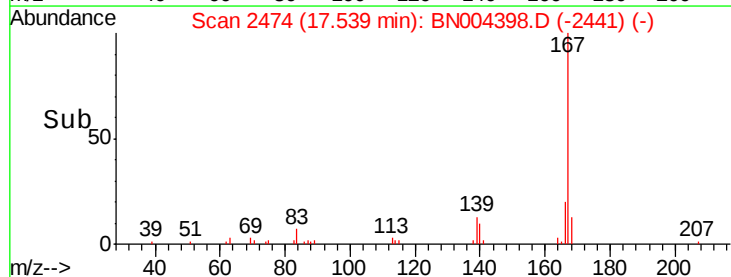
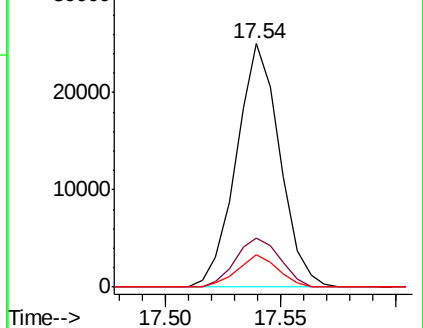
139 13.1 10.4 15.6

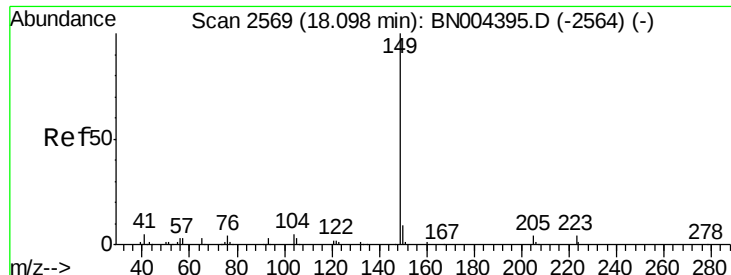


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

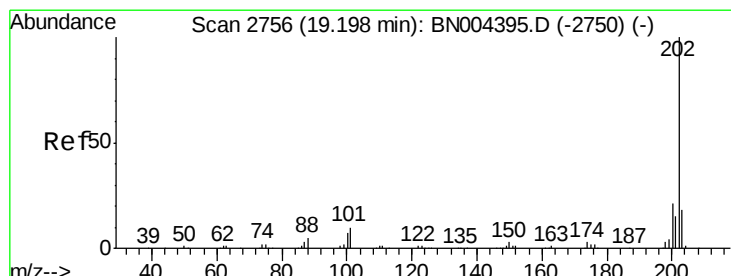
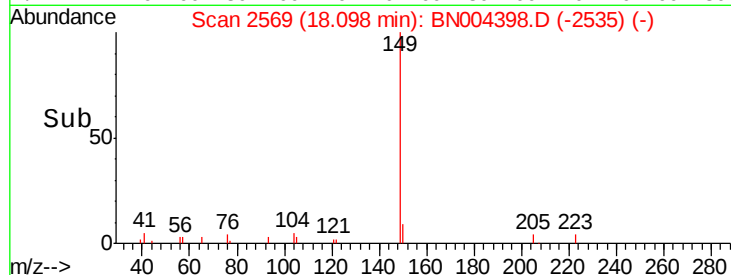
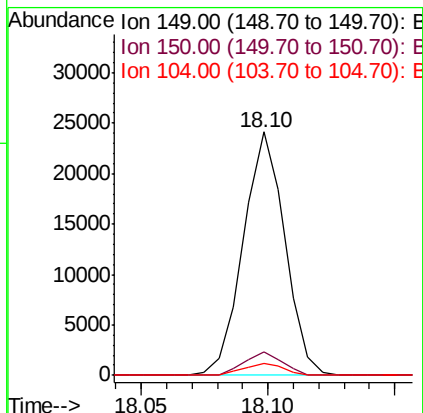
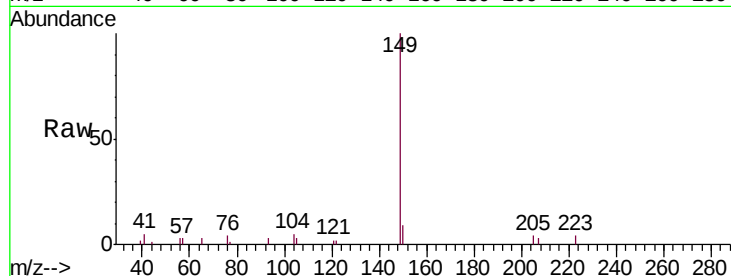




#76  
 Di-n-butylphthalate  
 Concen: 2.858 ng/ul  
 RT: 18.10 min Scan# 2569  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

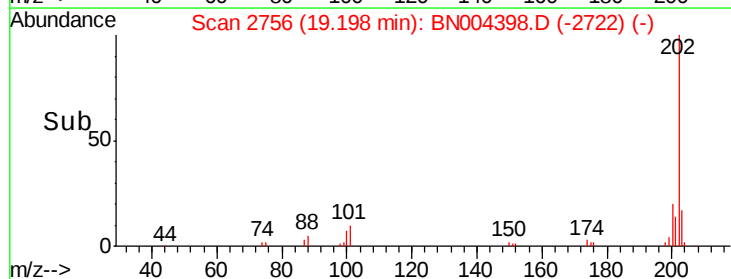
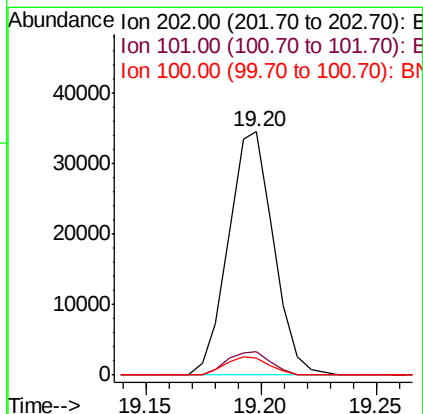
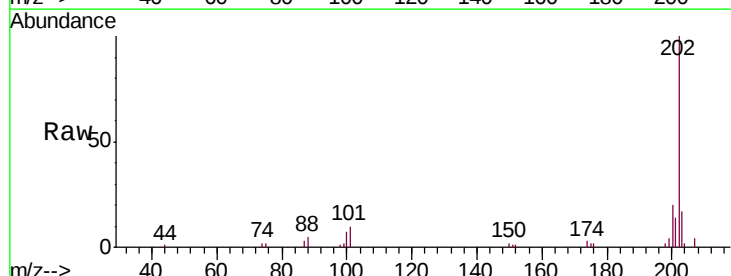
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

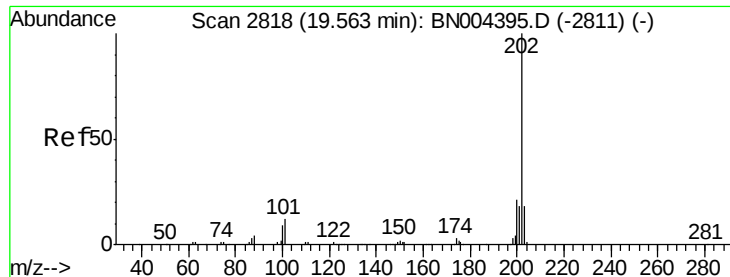
Tgt Ion:149 Resp: 27662  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.0  
 104 4.9 3.7 5.5



#77  
 Fluoranthene  
 Concen: 3.897 ng/ul  
 RT: 19.20 min Scan# 2756  
 Delta R.T. 0.00 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:202 Resp: 47021  
 Ion Ratio Lower Upper  
 202 100  
 101 9.7 8.2 12.4  
 100 7.0 6.6 9.8

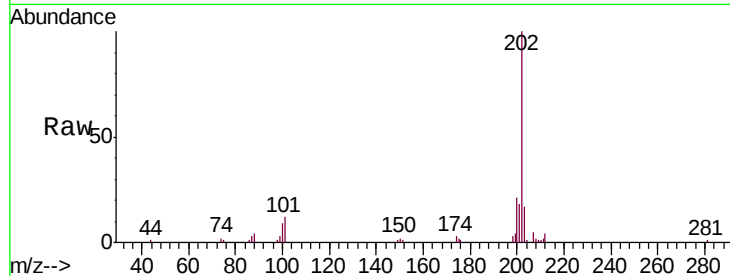




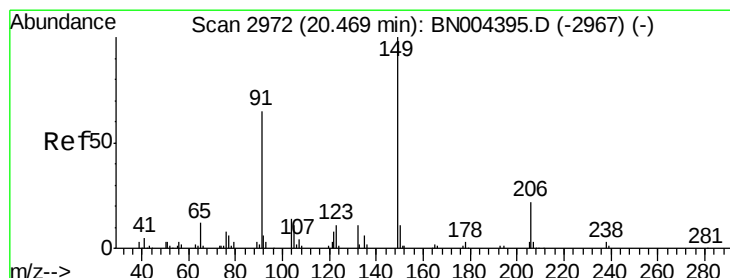
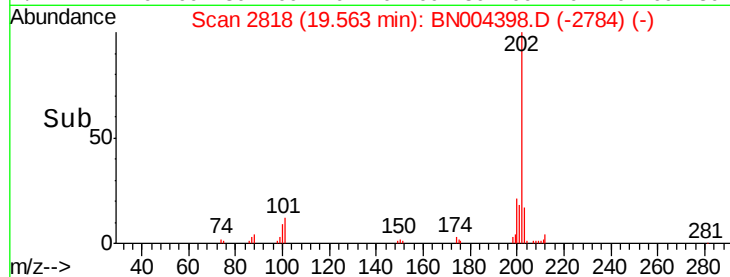
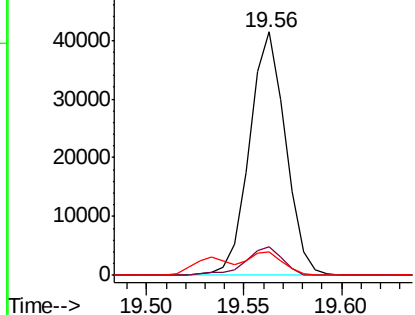
#80  
Pyrene  
Concen: 4.030 ng/ul  
RT: 19.56 min Scan# 2818  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Instrument :  
BNA\_N  
ClientSampled :  
MDL-S-03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.7  | 9.2   | 13.8  |
| 100     | 9.4   | 7.5   | 11.3  |

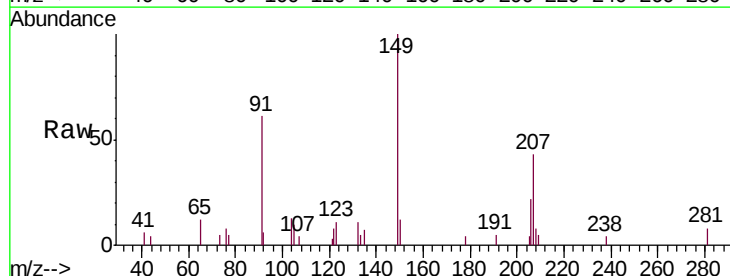


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

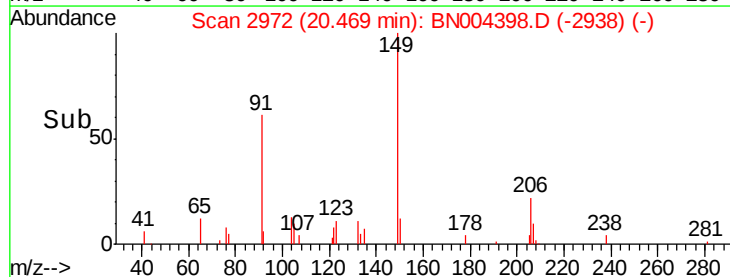
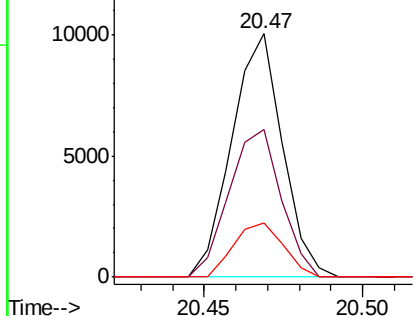


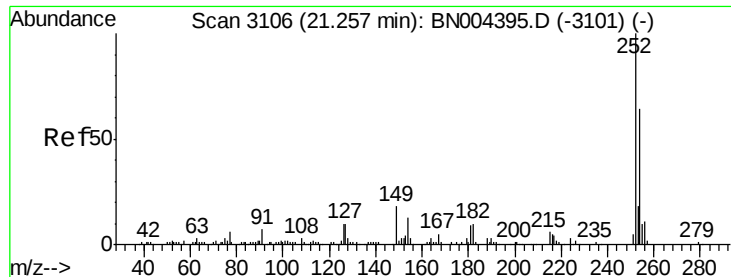
#81  
Butylbenzylphthalate  
Concen: 2.455 ng/ul  
RT: 20.47 min Scan# 2972  
Delta R.T. 0.00 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 60.6  | 49.8  | 74.6  |
| 206     | 22.5  | 18.2  | 27.2  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): B  
Ion 206.00 (205.70 to 206.70): E





#82

3,3'-Dichlorobenzidine

Concen: 2.104 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampled :

MDL-S-03

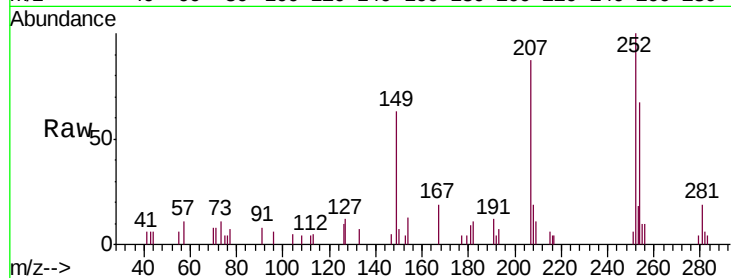
Tgt Ion:252 Resp: 10551

Ion Ratio Lower Upper

252 100

254 67.1 51.8 77.6

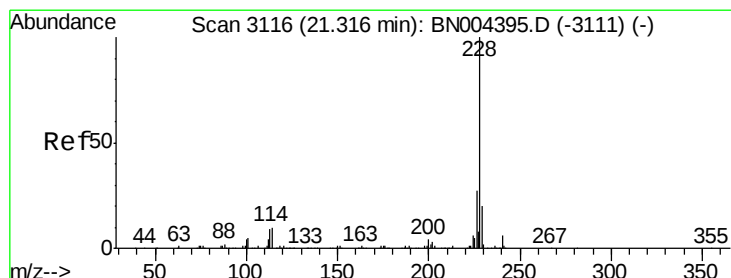
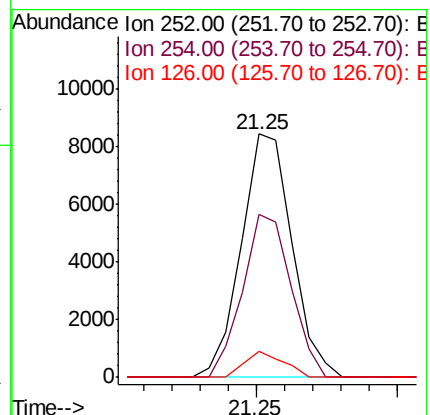
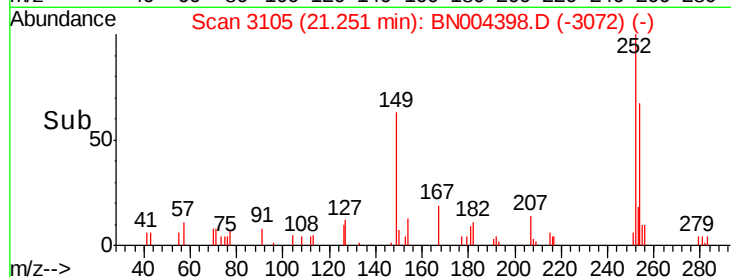
126 10.5 8.3 12.5



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

Benzo(a)anthracene

Concen: 3.917 ng/ul

RT: 21.32 min Scan# 3116

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

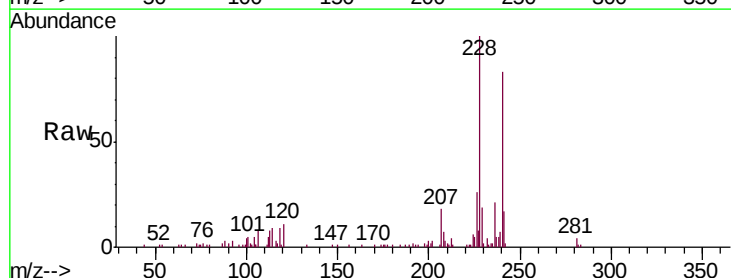
Tgt Ion:228 Resp: 57709

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.2

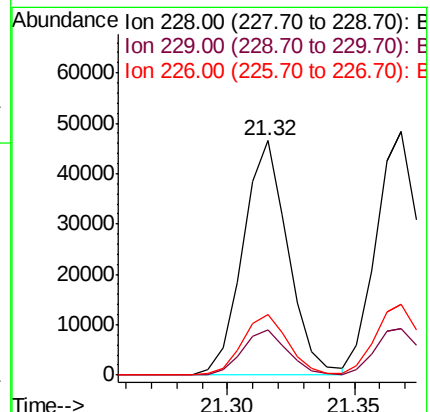
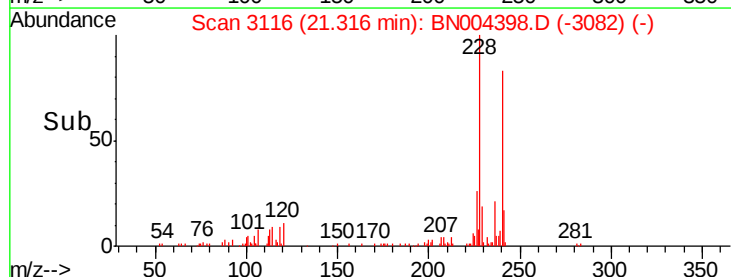
226 25.6 21.4 32.2

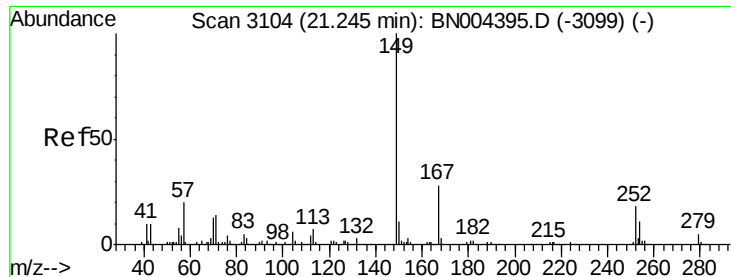


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

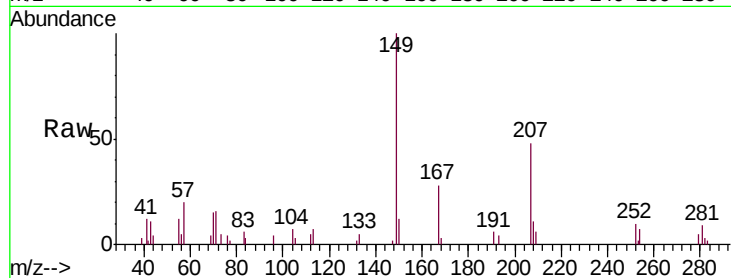




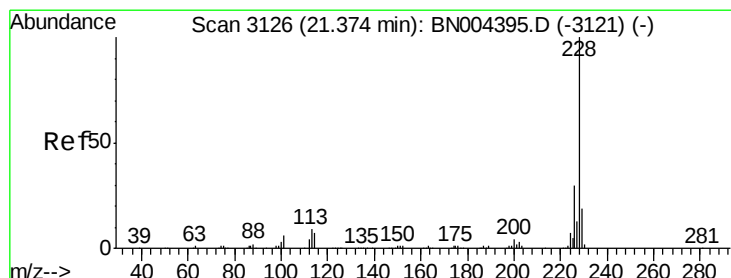
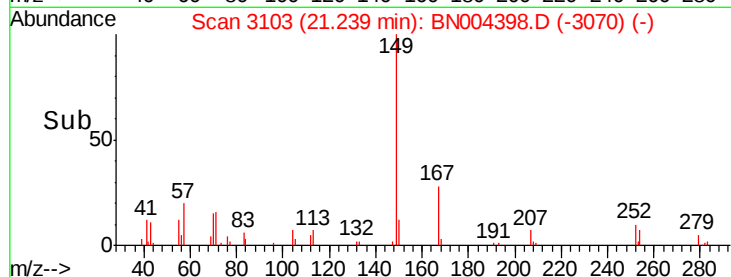
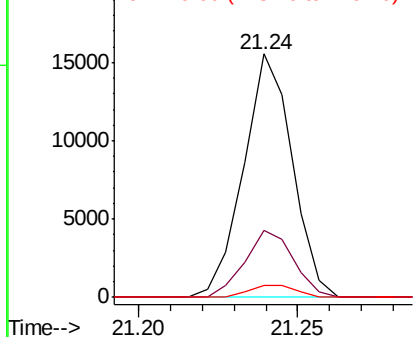
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.432 ng/ul  
 RT: 21.24 min Scan# 3103  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-03

Tgt Ion:149 Resp: 16557  
 Ion Ratio Lower Upper  
 149 100  
 167 27.5 22.7 34.1  
 279 4.9 4.3 6.5

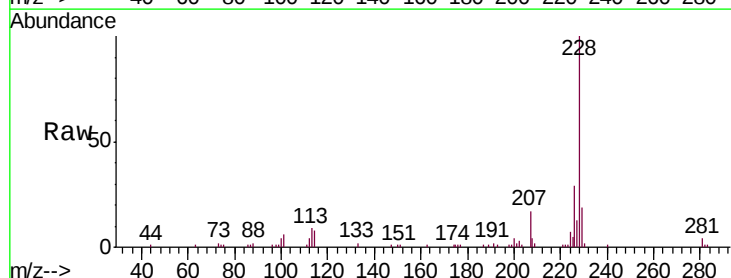


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

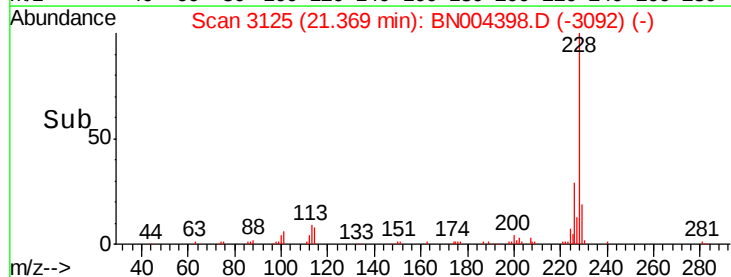
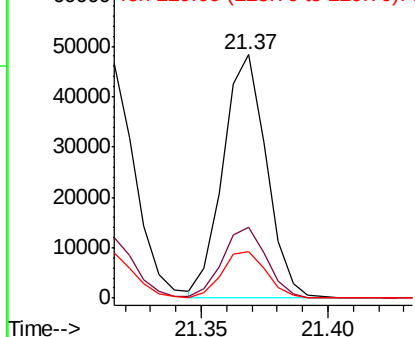


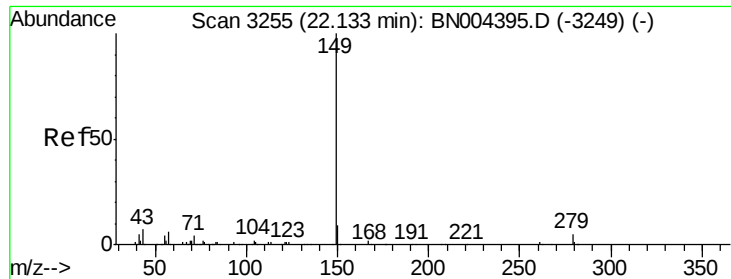
#85  
 Chrysene  
 Concen: 4.117 ng/ul  
 RT: 21.37 min Scan# 3125  
 Delta R.T. -0.01 min  
 Lab File: BN004398.D  
 Acq: 13 Feb 2019 18:22

Tgt Ion:228 Resp: 57589  
 Ion Ratio Lower Upper  
 228 100  
 226 28.9 24.0 36.0  
 229 19.3 15.7 23.5



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





#87

Di-n-octyl phthalate

Concen: 2.284 ng/ul

RT: 22.13 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

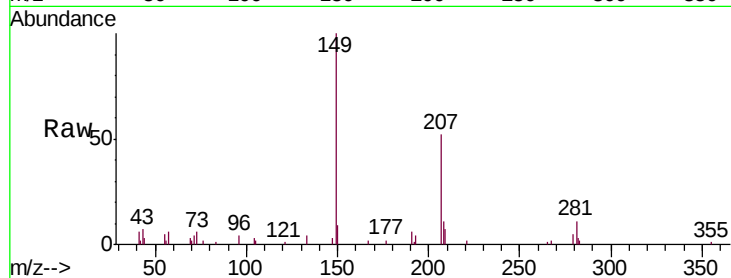
Instrument :

BNA\_N

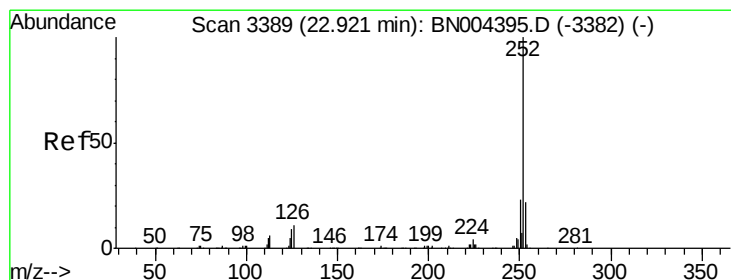
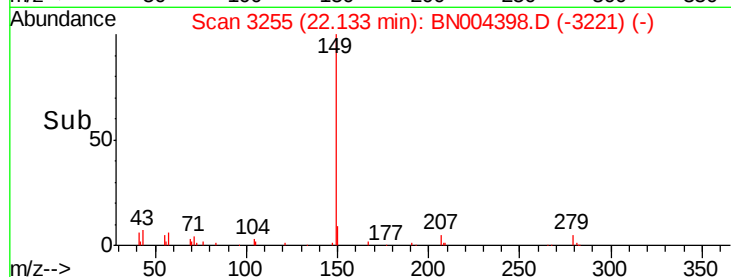
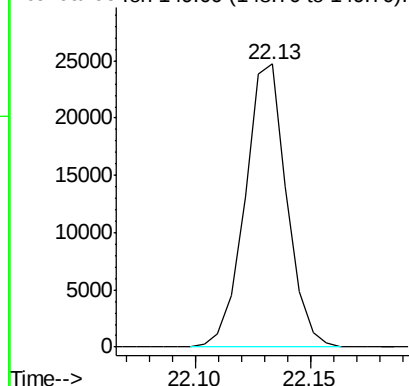
ClientSampleId :

MDL-S-03

Tgt Ion:149 Resp: 31126



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 3.845 ng/ul

RT: 22.92 min Scan# 3388

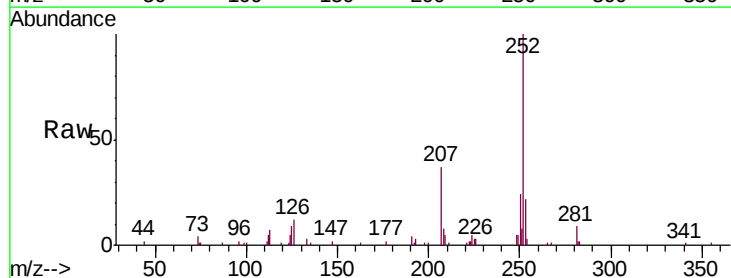
Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Tgt Ion:252 Resp: 64805

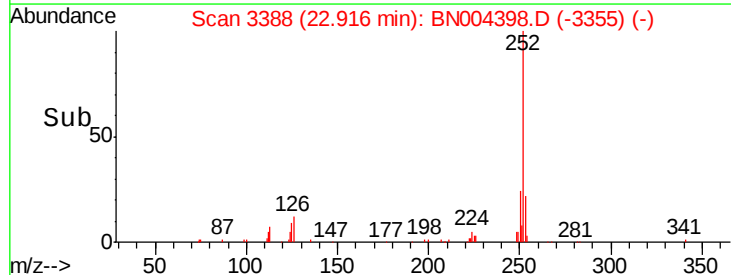
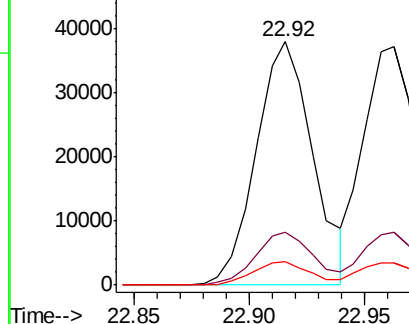
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.6  | 17.7  | 26.5  |
| 125 | 9.5   | 7.4   | 11.2  |

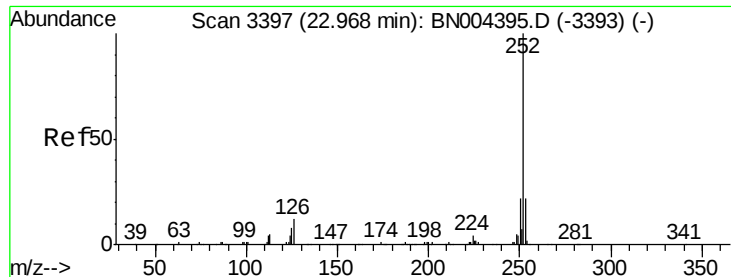


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.800 ng/ul

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

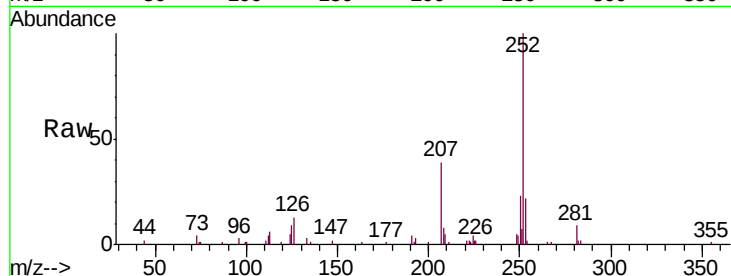
Tgt Ion:252 Resp: 62270

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

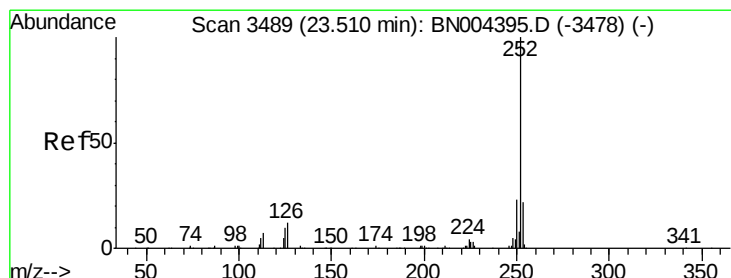
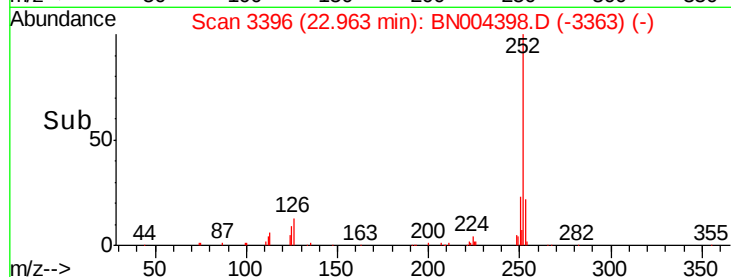
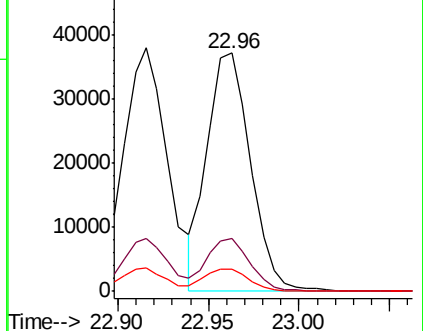
125 9.3 7.4 11.0



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

Benzo(a)pyrene

Concen: 3.976 ng/ul

RT: 23.50 min Scan# 3488

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

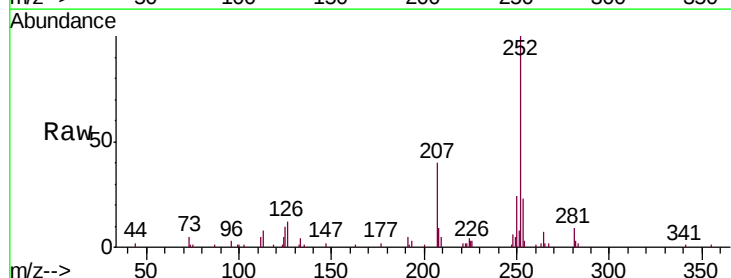
Tgt Ion:252 Resp: 65393

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

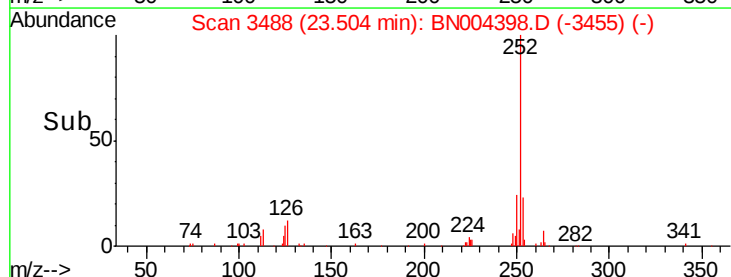
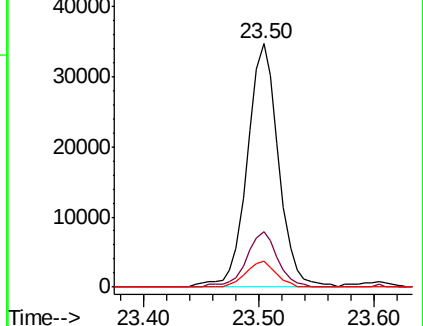
125 10.5 8.4 12.6

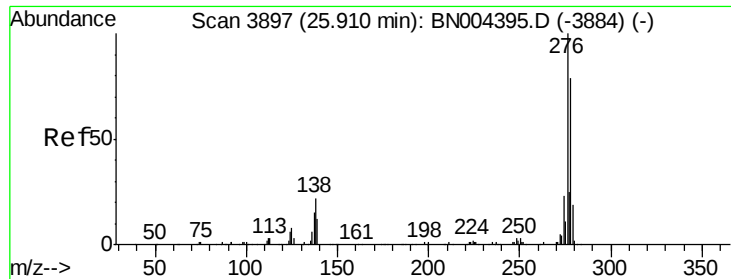


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



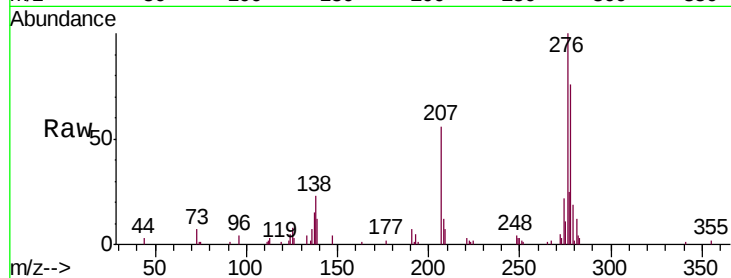


#92

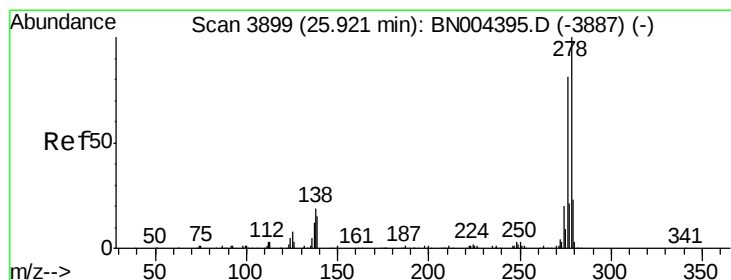
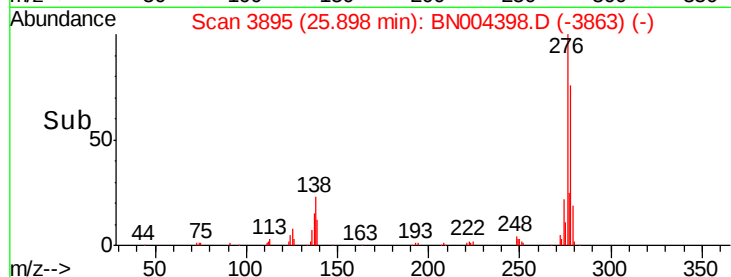
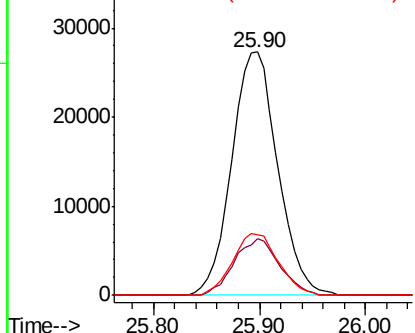
Indeno(1,2,3-cd)pyrene  
Concen: 3.948 ng/ul  
RT: 25.90 min Scan# 3895  
Delta R.T. -0.01 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.4  | 18.7  | 28.1  |
| 277     | 24.8  | 19.8  | 29.8  |



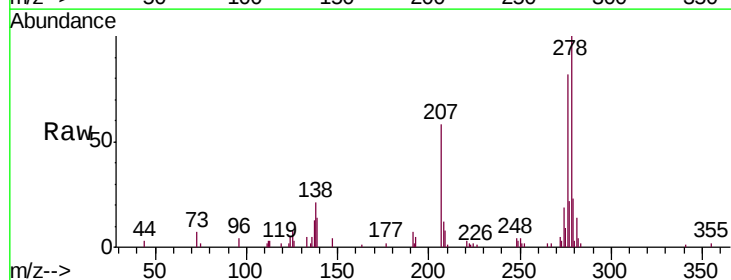
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



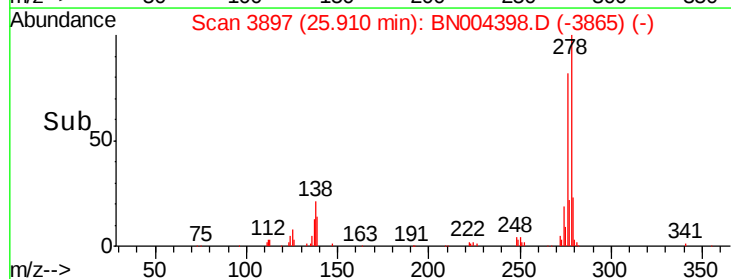
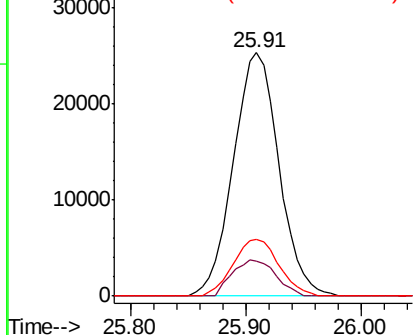
#93

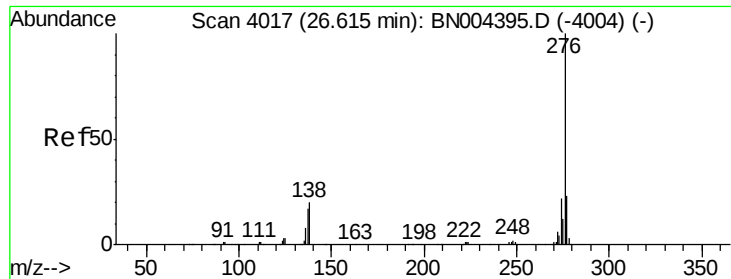
Dibenzo(a,h)anthracene  
Concen: 4.005 ng/ul  
RT: 25.91 min Scan# 3897  
Delta R.T. -0.01 min  
Lab File: BN004398.D  
Acq: 13 Feb 2019 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.3  | 12.4  | 18.6  |
| 279     | 23.1  | 19.3  | 28.9  |



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





#94

Benzo(g,h,i)perylene

Concen: 4.012 ng/ul

RT: 26.60 min Scan# 4015

Delta R.T. -0.01 min

Lab File: BN004398.D

Acq: 13 Feb 2019 18:22

Instrument :

BNA\_N

ClientSampleId :

MDL-S-03

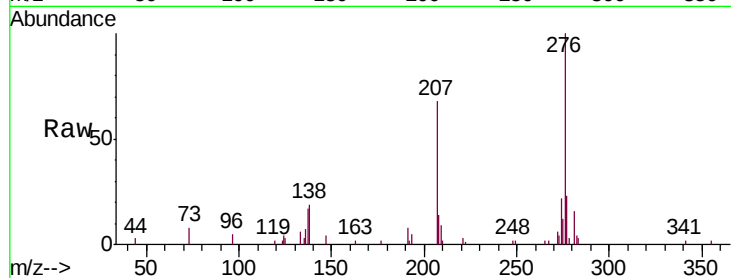
Tgt Ion: 276 Resp: 70230

Ion Ratio Lower Upper

276 100

138 18.8 16.7 25.1

277 23.1 19.0 28.6



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

