

Data File : BM022308.D  
Acq On : 25 Aug 2019 01:05  
Operator : HP/JU  
Sample : K4373-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AB2

Quant Time: Aug 26 01:35:13 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 26 01:32:10 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 40367    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 5631     | 20.00 | ng/ul | -0.04    |
| 35) Acenaphthene-d10      | 14.22 | 164  | 152736   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 419263   | 20.00 | ng/ul | 0.01     |
| 77) Chrysene-d12          | 21.19 | 240  | 295119   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.38 | 264  | 257115   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |         |       |       |
|--------------------------------|-------|-----|--------|---------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 3677   | 4.08    | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.75  | 99  | 19466  | 5.59    | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 56101  | 27.68   | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 63905  | 22.72   | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 40375  | 13.37   | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 45523  | 1084.25 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 50954  | 1042.67 | ng/ul | 0.01  |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 92801  | 932.89  | ng/ul | 0.02  |
| 29) 4-Chloroaniline-d4         | 10.44 | 131 | 19465  | 160.88  | ng/ul | -0.05 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 358673 | 26.67   | ng/ul | 0.04  |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 396828 | 27.39   | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 32207  | 16.16   | ng/ul | -0.02 |
| 57) Fluorene-d10               | 15.22 | 176 | 331259 | 29.70   | ng/ul | 0.01  |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 28945  | 8.95    | ng/ul | 0.03  |
| 70) Anthracene-d10             | 17.09 | 188 | 928483 | 41.82   | ng/ul | 0.01  |
| 78) Pyrene-d10                 | 19.39 | 212 | 664560 | 43.33   | ng/ul | 0.01  |
| 89) Benzo(a)pyrene-d12         | 23.24 | 264 | 433545 | 30.69   | ng/ul | 0.01  |

#### Target Compounds

|                                |       |     |          |           | Qvalue |    |
|--------------------------------|-------|-----|----------|-----------|--------|----|
| 4) Benzaldehyde                | 6.77  | 77  | 14533    | 7.247     | ng/ul# | 1  |
| 6) Phenol                      | 6.78  | 94  | 15348    | 4.114     | ng/ul# | 64 |
| 8) Bis(2-Chloroethyl)ether     | 6.92  | 93  | 2925     | 1.077     | ng/ul# | 31 |
| 10) 2-Chlorophenol             | 7.13  | 128 | 14926    | 5.112     | ng/ul  | 94 |
| 11) 2-Methylphenol             | 8.01  | 108 | 242077   | 82.402    | ng/ul  | 96 |
| 14) Acetophenone               | 8.42  | 105 | 14267    | 2.733     | ng/ul# | 92 |
| 16) 4-Methylphenol             | 8.34  | 108 | 81055    | 25.094    | ng/ul  | 95 |
| 20) Nitrobenzene               | 8.70  | 77  | 6382     | 51.617    | ng/ul# | 11 |
| 21) Isophorone                 | 9.40  | 82  | 987      | 4.380     | ng/ul# | 42 |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 1128834  | 8967.814  | ng/ul  | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.73  | 93  | 1881     | 15.461    | ng/ul# | 1  |
| 27) 2,4-Dichlorophenol         | 10.05 | 162 | 41838    | 415.094   | ng/ul# | 92 |
| 28) Naphthalene                | 10.26 | 128 | 450020   | 1448.155  | ng/ul# | 79 |
| 30) 4-Chloroaniline            | 10.47 | 127 | 9703636  | 77053.940 | ng/ul# | 13 |
| 32) Caprolactam                | 11.21 | 113 | 135      | 4.316     | ng/ul# | 1  |
| 33) 4-Chloro-3-methylphenol    | 11.62 | 107 | 331      | 2.975     | ng/ul# | 1  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 2072781  | 8657.175  | ng/ul  | 96 |
| 40) 1,1'-Biphenyl              | 13.04 | 154 | 1150729  | 92.577    | ng/ul  | 99 |
| 47) Acenaphthylene             | 13.93 | 152 | 57066    | 3.799     | ng/ul# | 71 |
| 49) Acenaphthene               | 14.32 | 153 | 12636785 | 1184.774  | ng/ul  | 97 |
| 52) 4-Nitrophenol              | 14.52 | 109 | 4223     | 1.275     | ng/ul# | 1  |
| 53) Dibenzofuran               | 14.65 | 168 | 8329326  | 524.318   | ng/ul  | 87 |
| 54) 2,4-Dinitrotoluene         | 14.63 | 165 | 5287     | 1.301     | ng/ul# | 1  |

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 26 01:32:10 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 18221    | 4.632   | ng/ul# | 74       |
| 58) Fluorene                   | 15.30 | 166  | 6403945  | 478.612 | ng/ul  | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 3659     | 1.054   | ng/ul# | 1        |
| 68) Pentachlorophenol          | 16.65 | 266  | 80757    | 19.991  | ng/ul  | 96       |
| 69) Phenanthrene               | 17.04 | 178  | 10006101 | 398.931 | ng/ul  | 96       |
| 71) Anthracene                 | 17.12 | 178  | 504872   | 19.343  | ng/ul  | 98       |
| 74) Carbazole                  | 17.43 | 167  | 8656206  | 367.177 | ng/ul  | 97       |
| 76) Fluoranthene               | 19.06 | 202  | 753035   | 19.923  | ng/ul  | 98       |
| 79) Pyrene                     | 19.42 | 202  | 426129   | 22.308  | ng/ul  | 97       |
| 82) Benzo(a)anthracene         | 21.17 | 228  | 30156    | 1.358   | ng/ul# | 90       |
| 84) Chrysene                   | 21.17 | 228  | 30382    | 1.463   | ng/ul  | 94       |

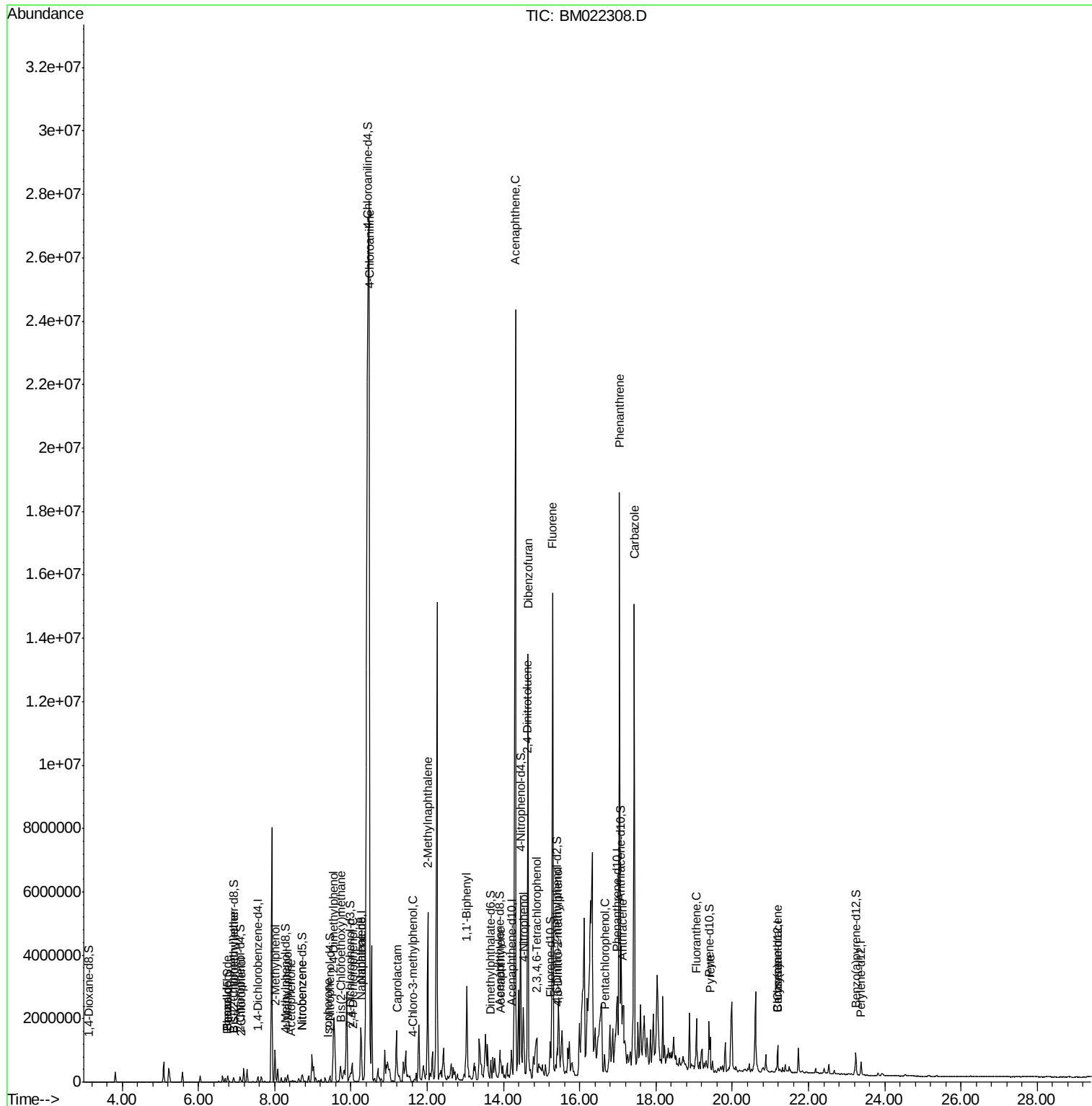
(#) = qualifier out of range (m) = manual integration (+) = signals summed

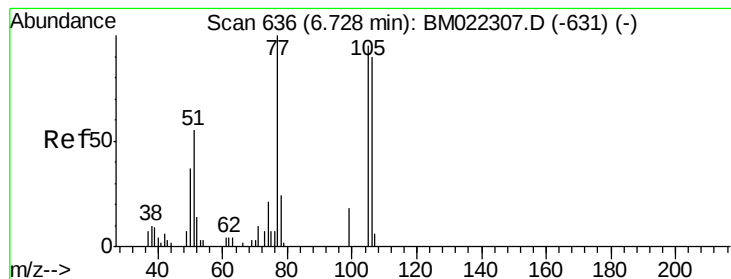
Data File : BM022308.D

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Sample      : K4373-11
Misc       :
ALS Vial    : 17      Sample Multip
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 7.247 ng/ul

RT: 6.77 min Scan# 643

Delta R.T. 0.04 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

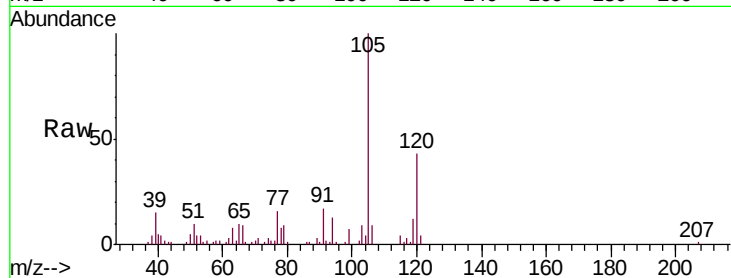
Tgt Ion: 77 Resp: 14533

Ion Ratio Lower Upper

77 100

105 608.2 71.7 107.5#

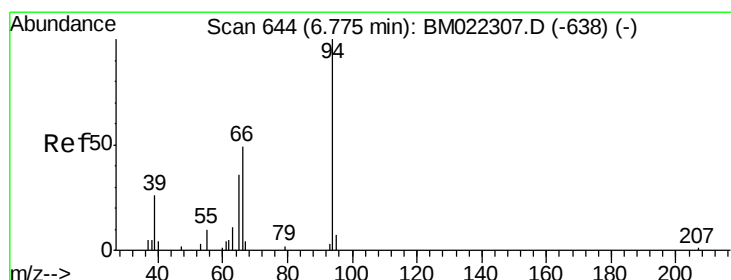
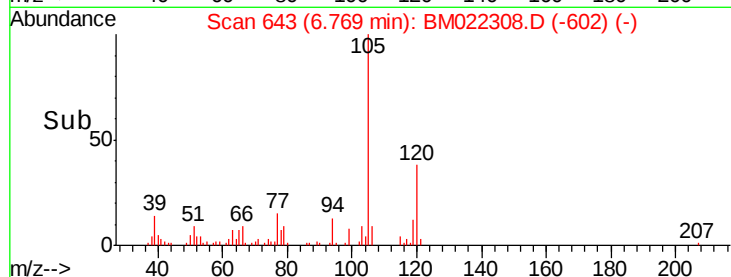
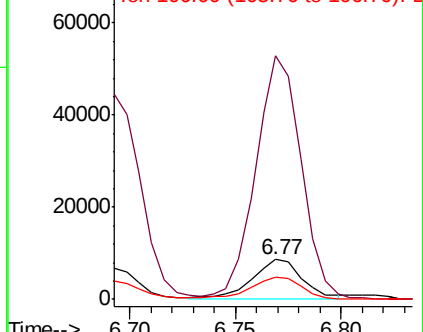
106 55.8 71.7 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BM022308.D (-602) (-)

Ion 105.00 (104.70 to 105.70): BM022308.D (-602) (-)

Ion 106.00 (105.70 to 106.70): BM022308.D (-602) (-)



#6

Phenol

Concen: 4.114 ng/ul

RT: 6.78 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

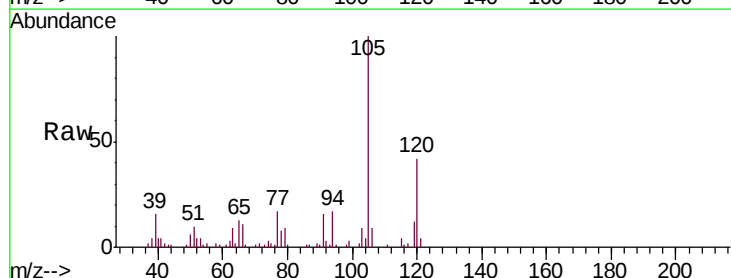
Tgt Ion: 94 Resp: 15348

Ion Ratio Lower Upper

94 100

65 75.5 29.2 43.8#

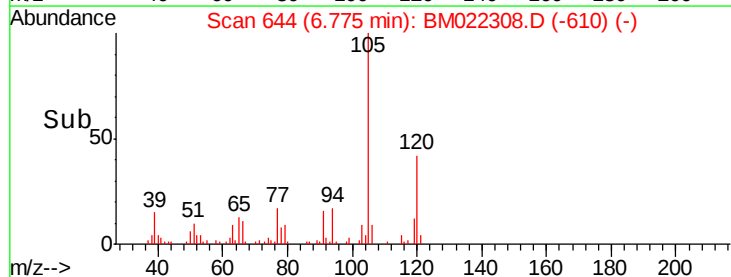
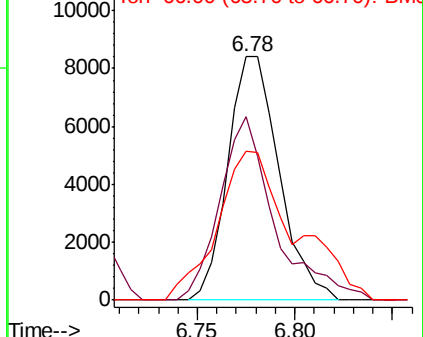
66 61.1 40.6 60.8#

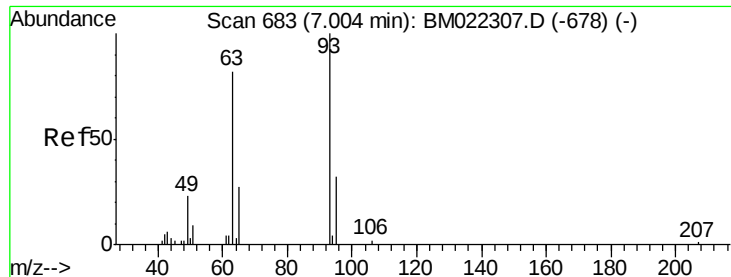


Abundance Ion 94.00 (93.70 to 94.70): BM022308.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM022308.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM022308.D (-610) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 1.077 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. -0.08 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

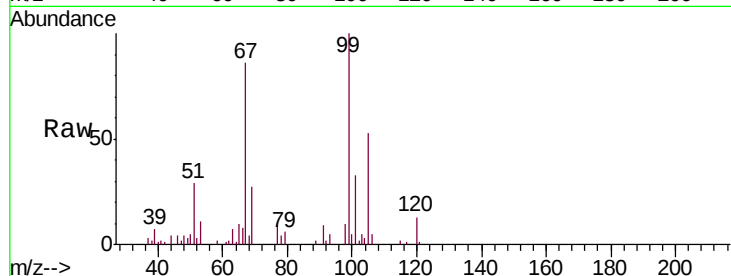
Tgt Ion: 93 Resp: 2925

Ion Ratio Lower Upper

93 100

63 135.9 58.9 88.3#

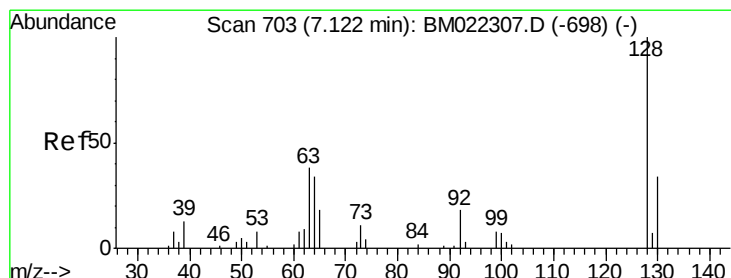
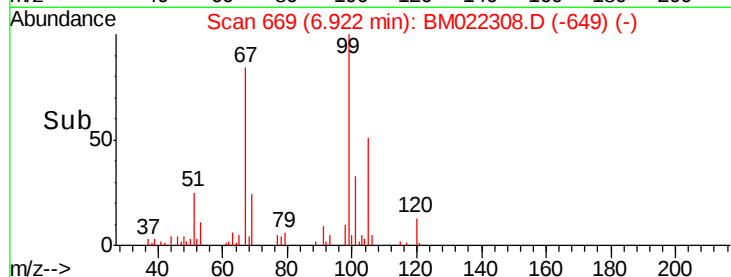
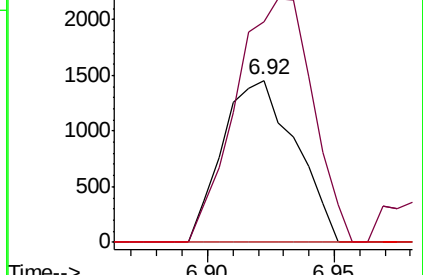
95 0.0 25.8 38.6#



Abundance Ion 93.00 (92.70 to 93.70): BM022307.D (-678) (-)

Ion 63.00 (62.70 to 63.70): BM022307.D (-678) (-)

Ion 95.00 (94.70 to 95.70): BM022307.D (-678) (-)



#10

2-Chlorophenol

Concen: 5.112 ng/ul

RT: 7.13 min Scan# 704

Delta R.T. 0.01 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

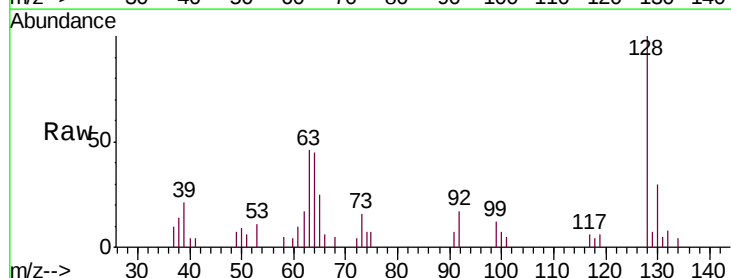
Tgt Ion: 128 Resp: 14926

Ion Ratio Lower Upper

128 100

64 45.1 38.6 57.8

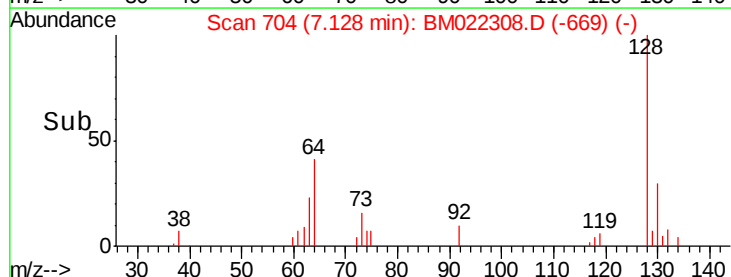
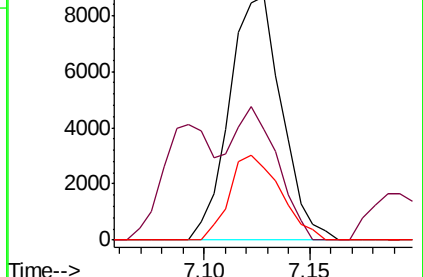
130 29.7 27.0 40.6

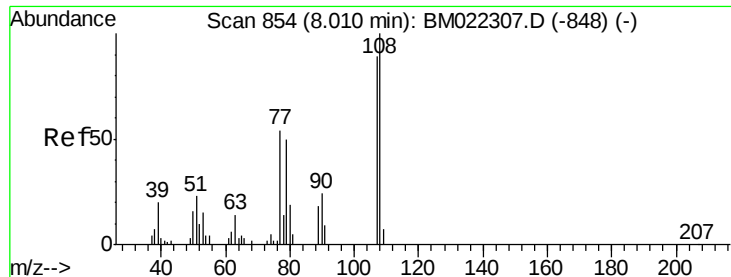


Abundance Ion 128.00 (127.70 to 128.70): BM022307.D (-698) (-)

Ion 64.00 (63.70 to 64.70): BM022307.D (-698) (-)

Ion 130.00 (129.70 to 130.70): BM022307.D (-698) (-)

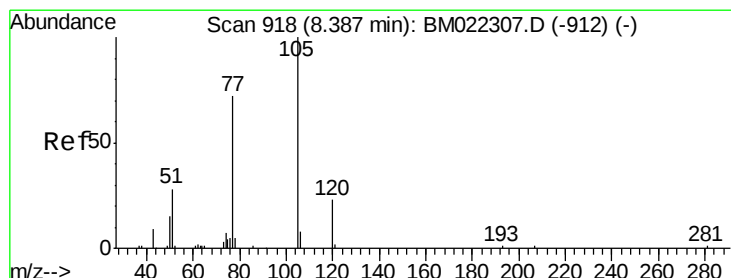
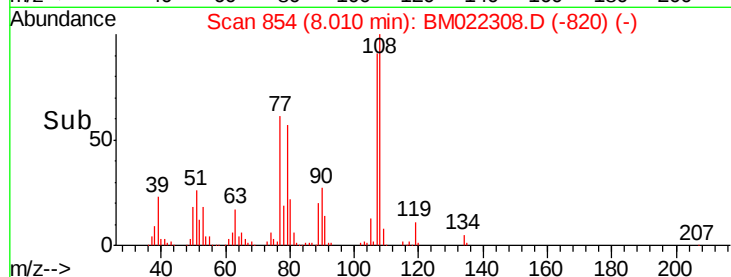
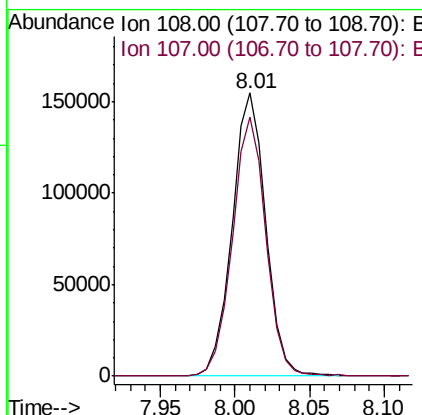
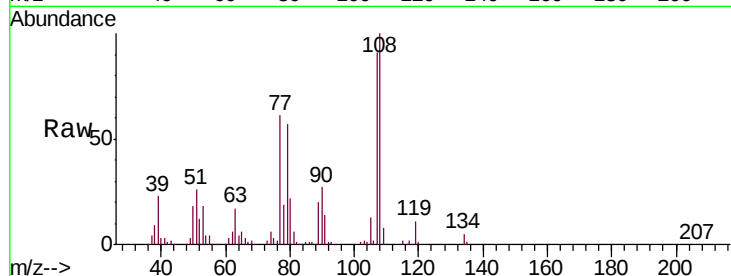




#11  
2-Methylphenol  
Concen: 82.402 ng/ul  
RT: 8.01 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: BM022308.D  
Acq: 25 Aug 2019 01:05

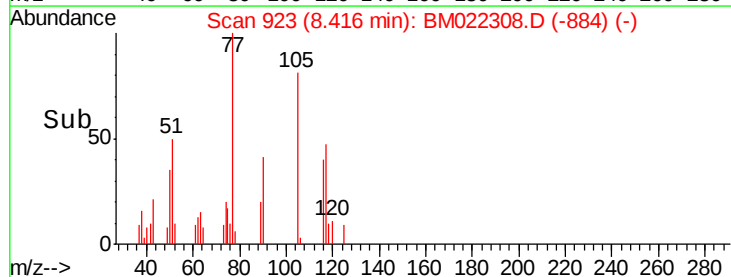
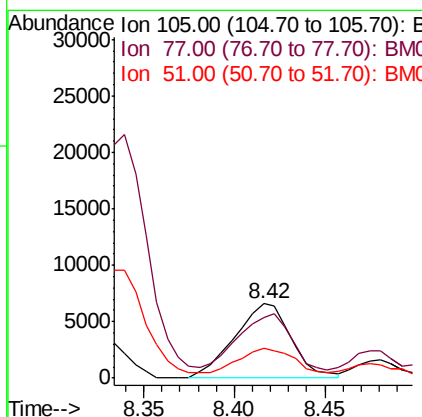
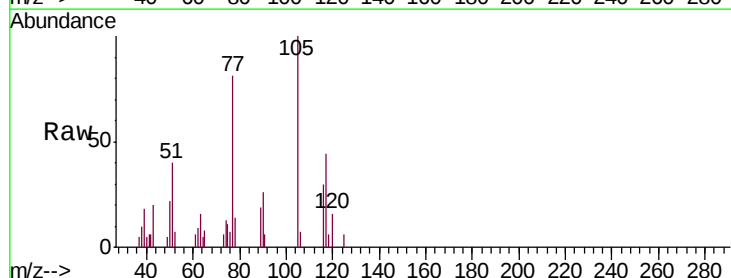
Instrument :  
BNA\_M  
ClientSampleId :  
C0AB2

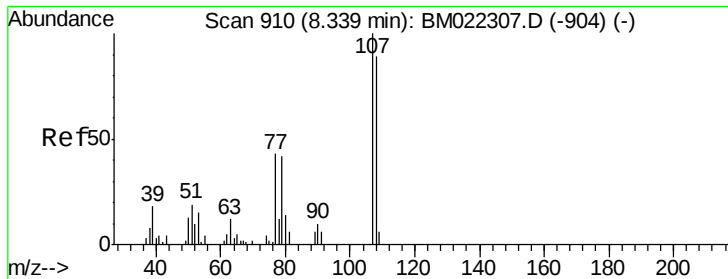
Tgt Ion:108 Resp: 242077  
Ion Ratio Lower Upper  
108 100  
107 91.4 70.1 105.1



#14  
Acetophenone  
Concen: 2.733 ng/ul  
RT: 8.42 min Scan# 923  
Delta R.T. 0.03 min  
Lab File: BM022308.D  
Acq: 25 Aug 2019 01:05

Tgt Ion:105 Resp: 14267  
Ion Ratio Lower Upper  
105 100  
77 80.6 68.4 102.6  
51 39.9 25.0 37.4#

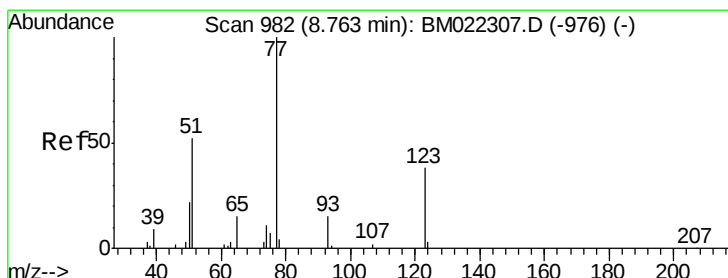
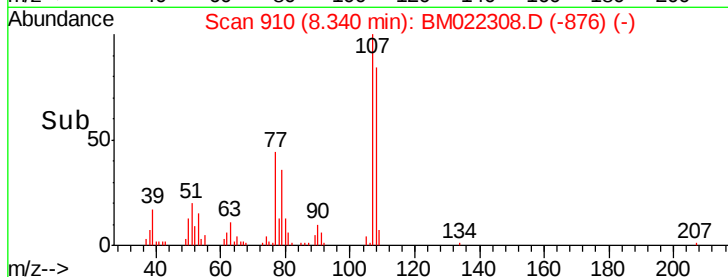
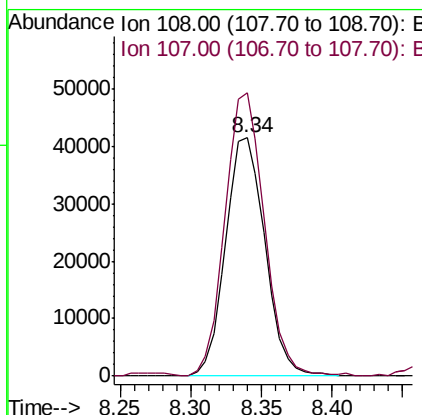
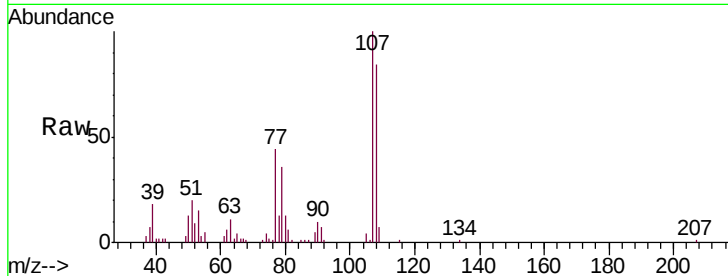




#16  
 4-Methylphenol  
 Concen: 25.094 ng/ul  
 RT: 8.34 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

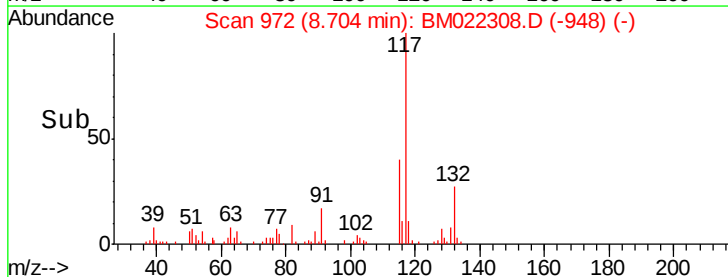
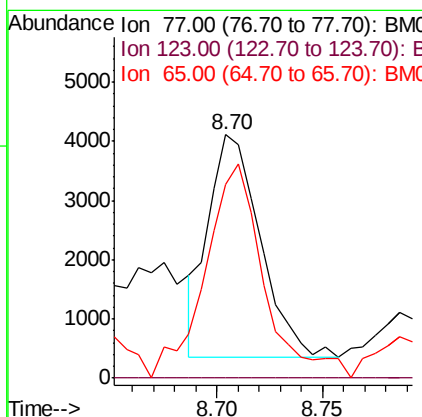
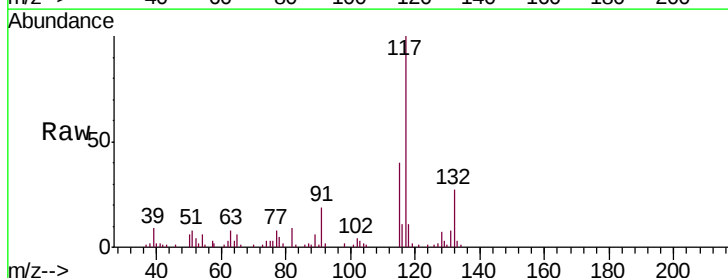
Instrument :  
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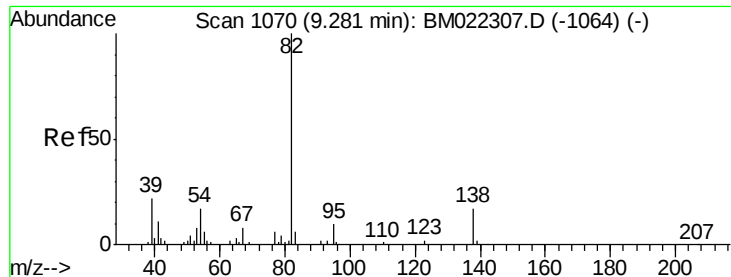
Tgt Ion: 108 Resp: 81055  
 Ion Ratio Lower Upper  
 108 100  
 107 118.7 90.8 136.2



#20  
 Nitrobenzene  
 Concen: 51.617 ng/ul  
 RT: 8.70 min Scan# 972  
 Delta R.T. -0.06 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

Tgt Ion: 77 Resp: 6382  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 31.0 46.4#  
 65 79.7 12.2 18.2#





#21

Isophorone

Concen: 4.380 ng/ul

RT: 9.40 min Scan# 1090

Delta R.T. 0.12 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

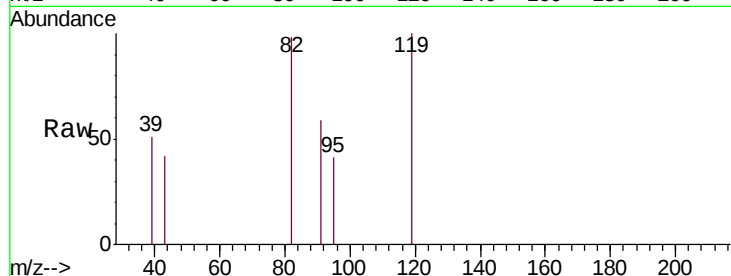
Tgt Ion: 82 Resp: 987

Ion Ratio Lower Upper

82 100

95 42.3 7.2 10.8#

138 0.0 13.8 20.6#

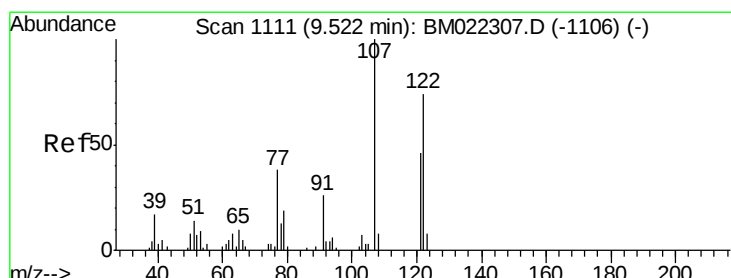
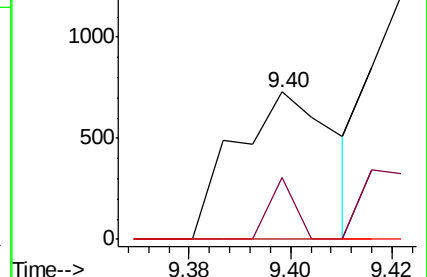
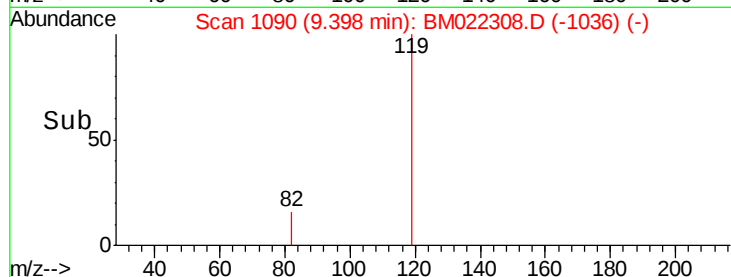


Abundance Ion 82.00 (81.70 to 82.70): BM022307.D (-1064) (-)

Ion 95.00 (94.70 to 95.70): BM022308.D (-1036) (-)

Ion 138.00 (137.70 to 138.70): BM022308.D (-1036) (-)

Time-->



#24

2,4-Dimethylphenol

Concen: 8967.814 ng/ul

RT: 9.55 min Scan# 1116

Delta R.T. 0.03 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

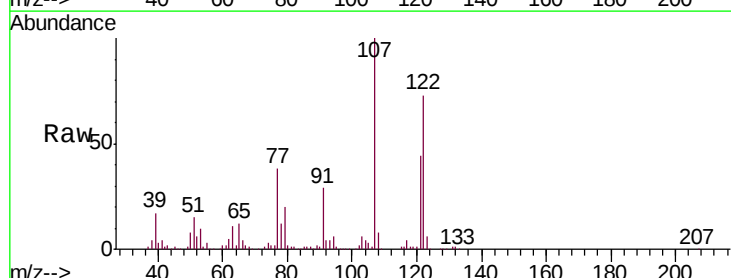
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Ion Ratio Lower Upper

107 100

121 43.8 33.6 50.4

122 72.8 58.0 87.0

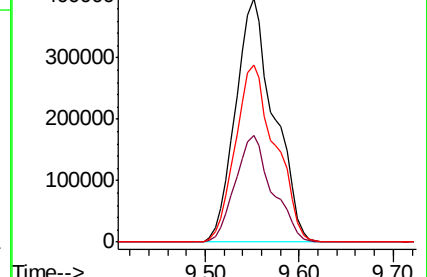
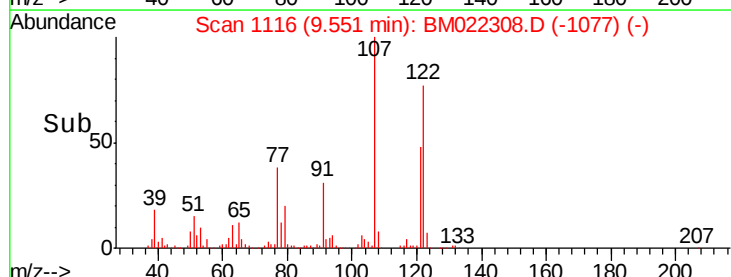


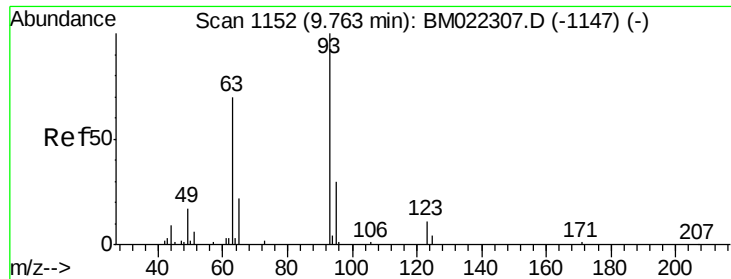
Abundance Ion 107.00 (106.70 to 107.70): BM022307.D (-1106) (-)

Ion 121.00 (120.70 to 121.70): BM022308.D (-1077) (-)

Ion 122.00 (121.70 to 122.70): BM022308.D (-1077) (-)

Time-->





#25

Bis(2-Chloroethoxy)methane

Concen: 15.461 ng/ul

RT: 9.73 min Scan# 1146

Delta R.T. -0.04 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

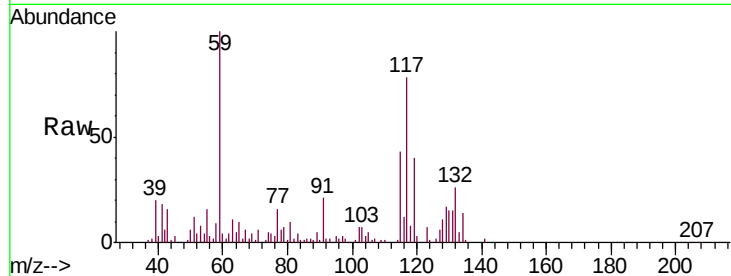
Tgt Ion: 93 Resp: 1881

Ion Ratio Lower Upper

93 100

95 196.2 26.5 39.7#

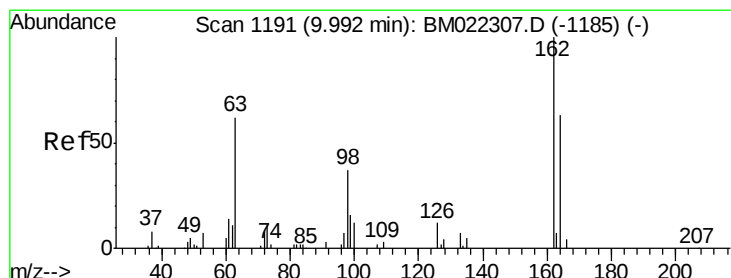
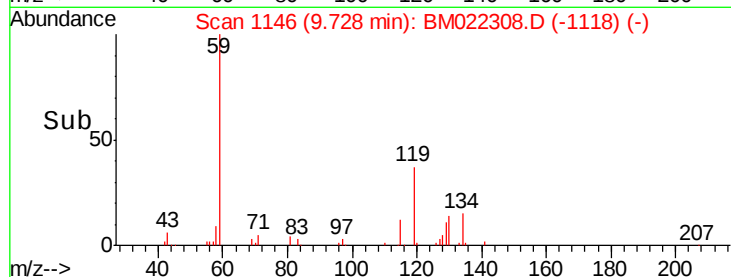
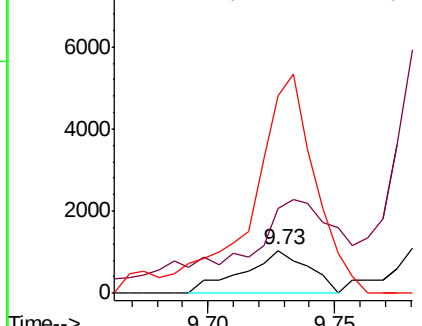
123 458.3 8.4 12.6#



Abundance Ion 93.00 (92.70 to 93.70): BM022307.D (-1147) (-)

Ion 95.00 (94.70 to 95.70): BM022308.D (-1118) (-)

Ion 123.00 (122.70 to 123.70): BM022307.D (-1147) (-)



#27

2,4-Dichlorophenol

Concen: 415.094 ng/ul

RT: 10.05 min Scan# 1201

Delta R.T. 0.06 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

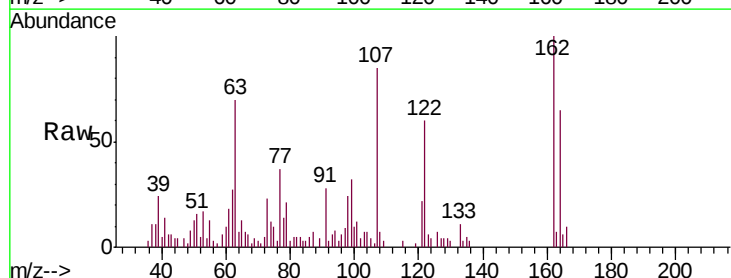
Tgt Ion: 162 Resp: 41838

Ion Ratio Lower Upper

162 100

164 65.3 52.1 78.1

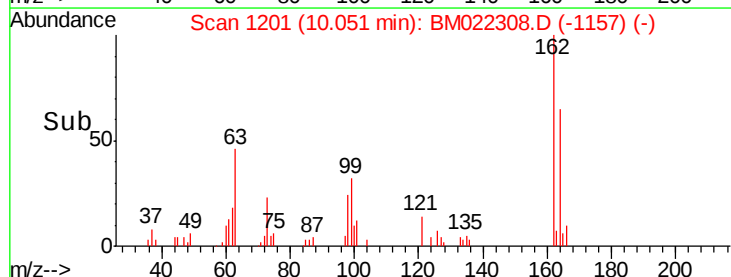
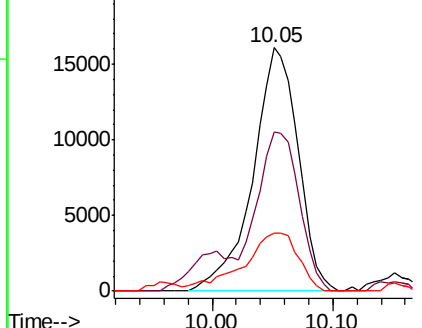
98 23.8 29.2 43.8#

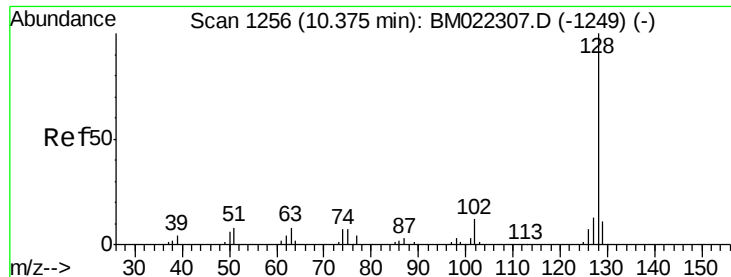


Abundance Ion 162.00 (161.70 to 162.70): BM022307.D (-1185) (-)

Ion 164.00 (163.70 to 164.70): BM022308.D (-1118) (-)

Ion 98.00 (97.70 to 98.70): BM022307.D (-1147) (-)

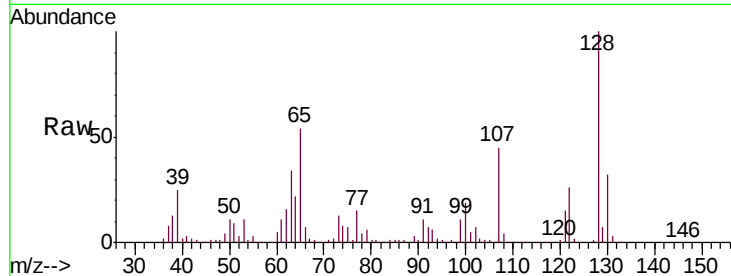




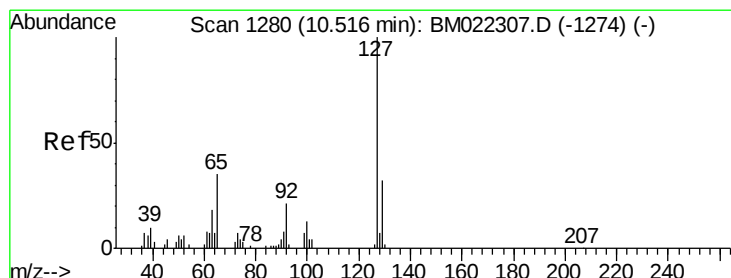
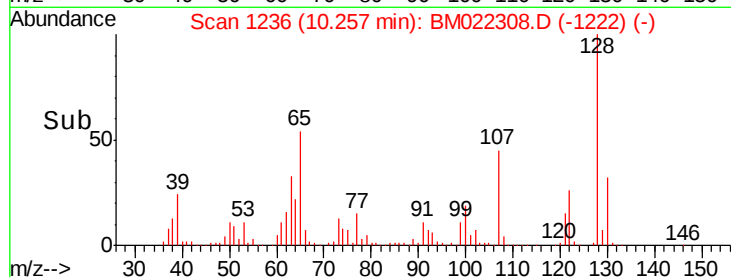
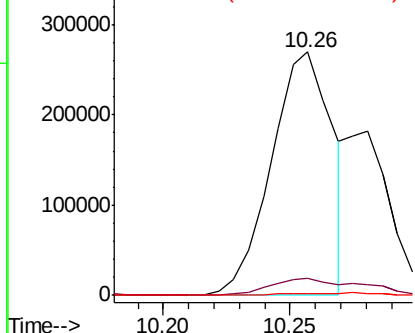
#28  
Naphthalene  
Concen: 1448.155 ng/ul  
RT: 10.26 min Scan# 1236  
Delta R.T. -0.12 min  
Lab File: BM022308.D  
Acq: 25 Aug 2019 01:05

Instrument :  
BNA\_M  
ClientSampleId :  
C0AB2

Tgt Ion:128 Resp: 450020  
Ion Ratio Lower Upper  
128 100  
129 6.8 8.6 13.0#  
127 0.9 10.4 15.6#

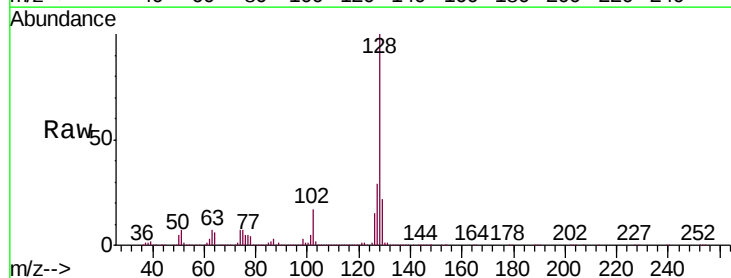


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

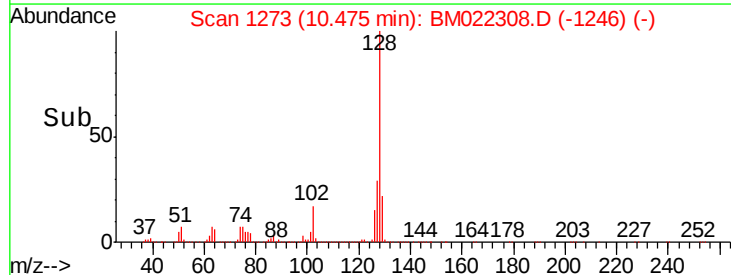
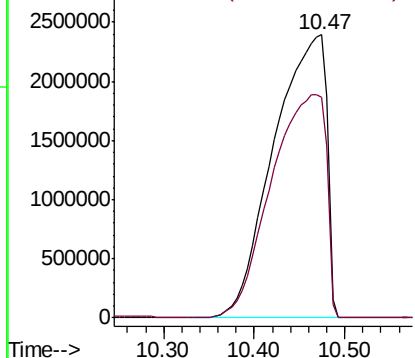


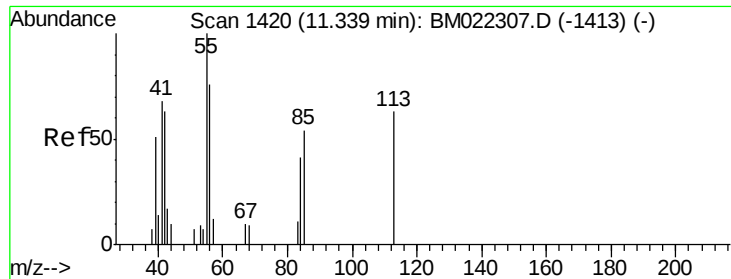
#30  
4-Chloroaniline  
Concen: 77053.940 ng/ul  
RT: 10.47 min Scan# 1273  
Delta R.T. -0.04 min  
Lab File: BM022308.D  
Acq: 25 Aug 2019 01:05

Tgt Ion:127 Resp: 9703636  
Ion Ratio Lower Upper  
127 100  
129 77.8 24.2 36.4#



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





#32

Caprolactam

Concen: 4.316 ng/ul

RT: 11.21 min Scan# 1398

Delta R.T. -0.13 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

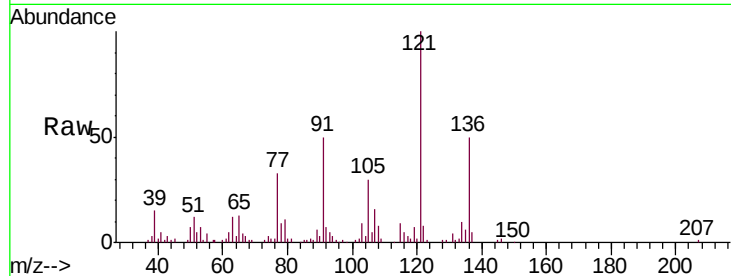
Tgt Ion:113 Resp: 135

Ion Ratio Lower Upper

113 100

55 870.4 111.6 167.4#

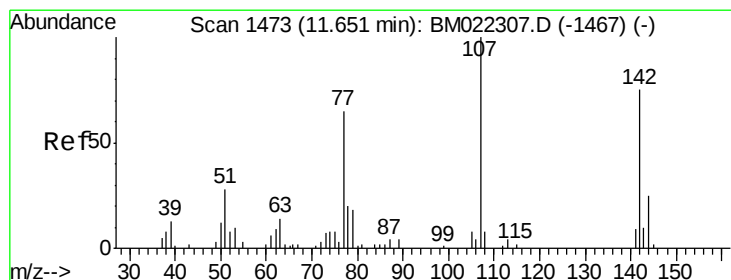
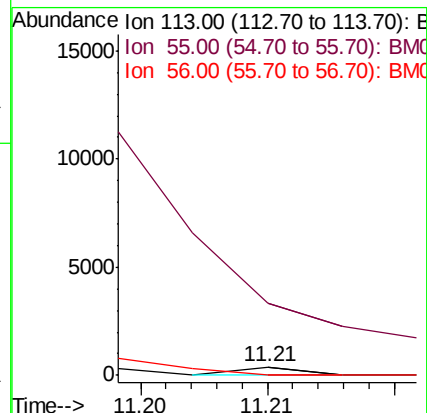
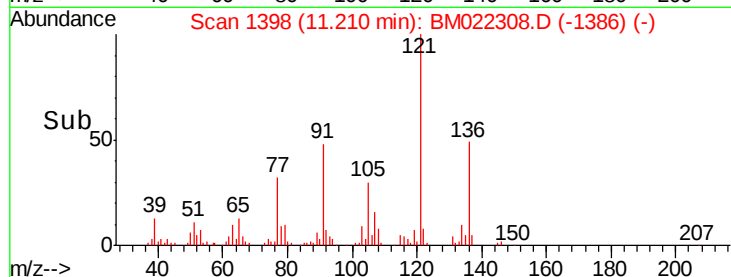
56 0.0 104.6 157.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#33

4-Chloro-3-methylphenol

Concen: 2.975 ng/ul

RT: 11.62 min Scan# 1468

Delta R.T. -0.03 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

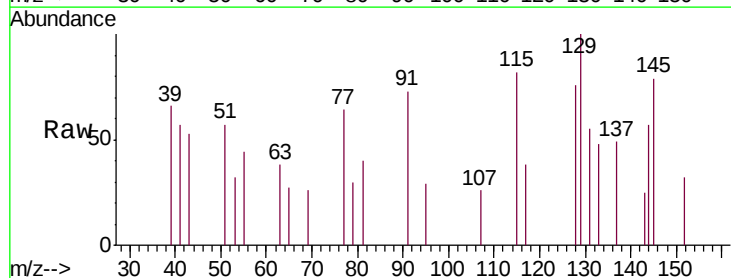
Tgt Ion:107 Resp: 331

Ion Ratio Lower Upper

107 100

144 220.1 19.8 29.8#

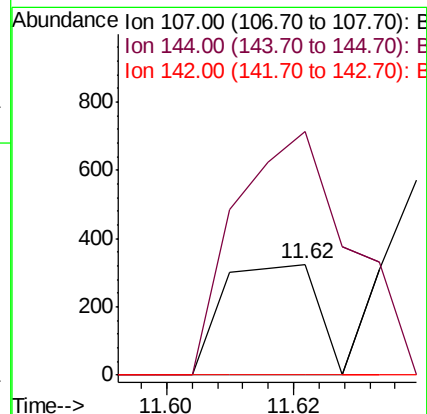
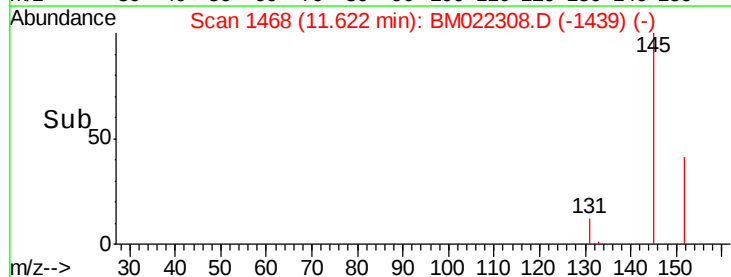
142 0.0 61.5 92.3#

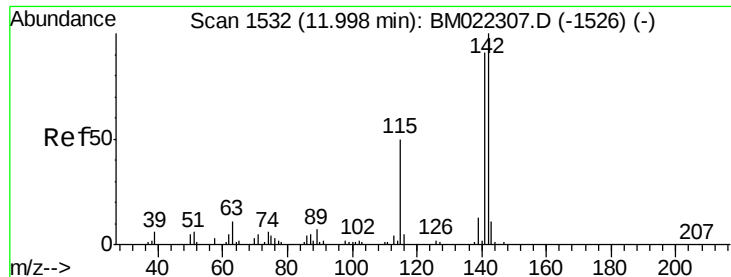


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

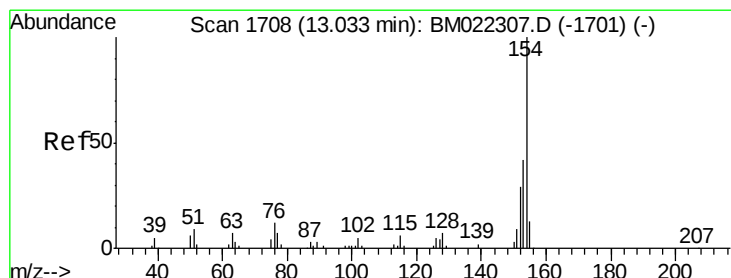
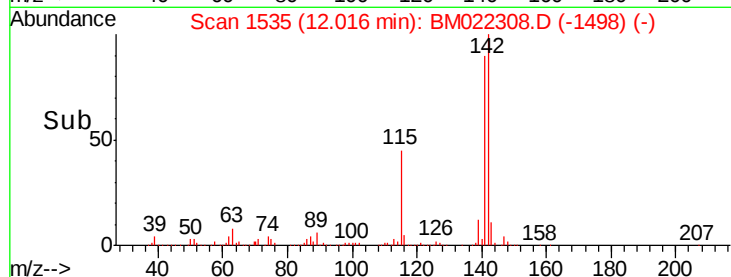
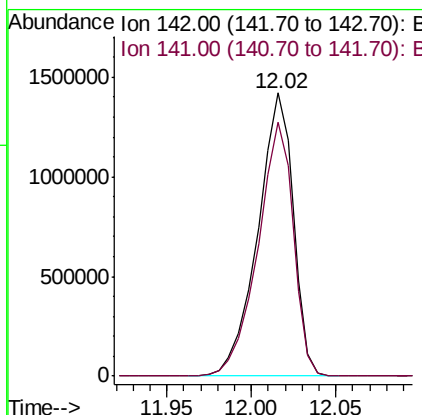
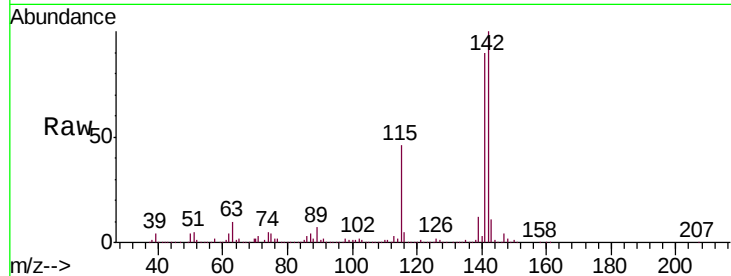




#34  
 2-Methylnaphthalene  
 Concen: 8657.175 ng/ul  
 RT: 12.02 min Scan# 1535  
 Delta R.T. 0.02 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

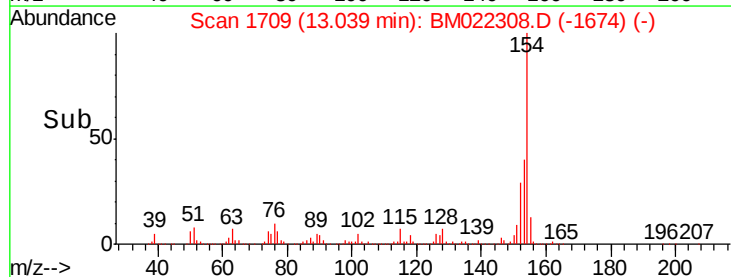
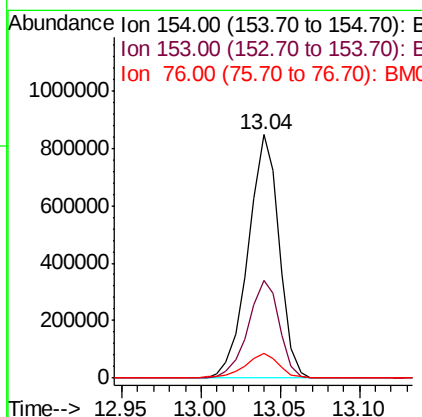
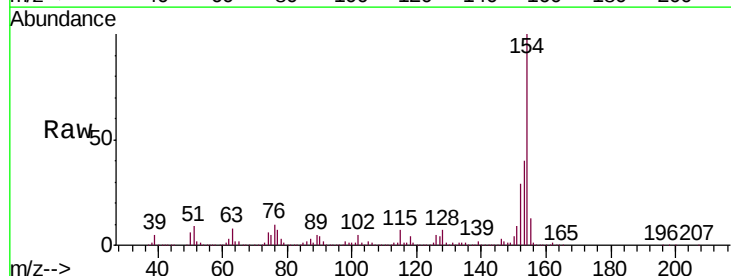
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB2

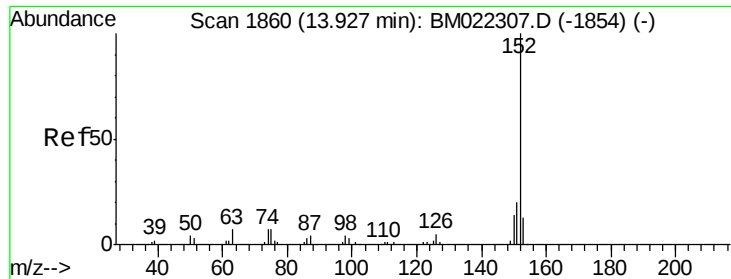
Tgt Ion:142 Resp: 2072781  
 Ion Ratio Lower Upper  
 142 100  
 141 89.6 75.1 112.7



#40  
 1,1'-Biphenyl  
 Concen: 92.577 ng/ul  
 RT: 13.04 min Scan# 1709  
 Delta R.T. 0.01 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

Tgt Ion:154 Resp: 1150729  
 Ion Ratio Lower Upper  
 154 100  
 153 40.4 32.5 48.7  
 76 10.1 9.2 13.8





#47

Acenaphthylene

Concen: 3.799 ng/ul

RT: 13.93 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

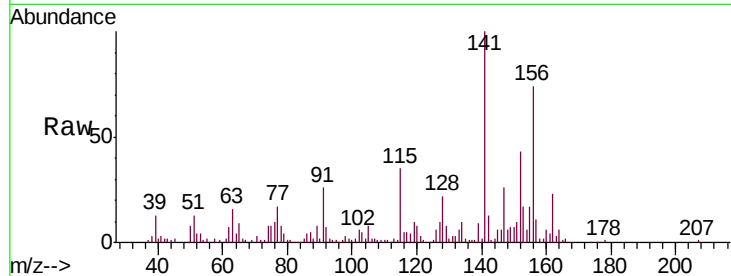
Tgt Ion:152 Resp: 57066

Ion Ratio Lower Upper

152 100

151 23.2 16.0 24.0

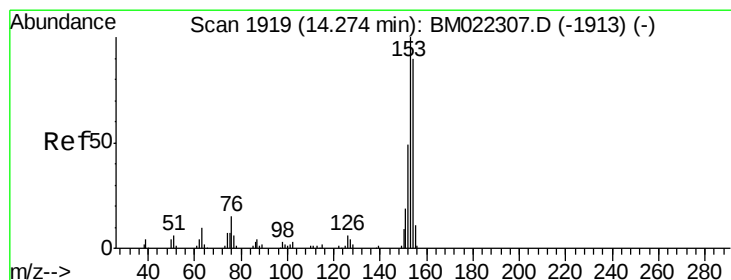
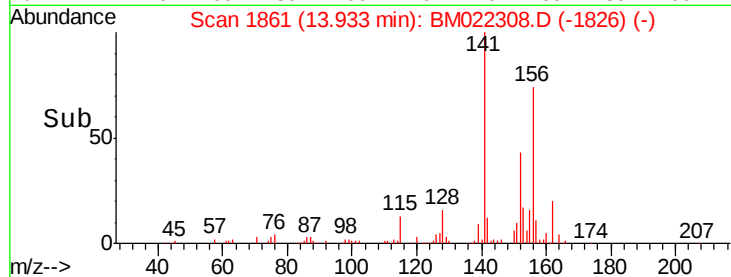
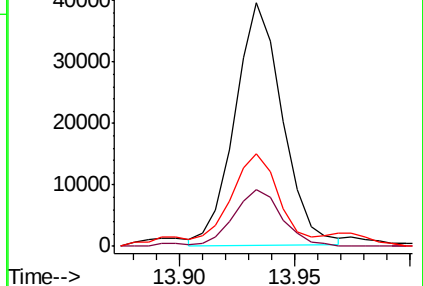
153 38.1 10.4 15.6#



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

Acenaphthene

Concen: 1184.774 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.04 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

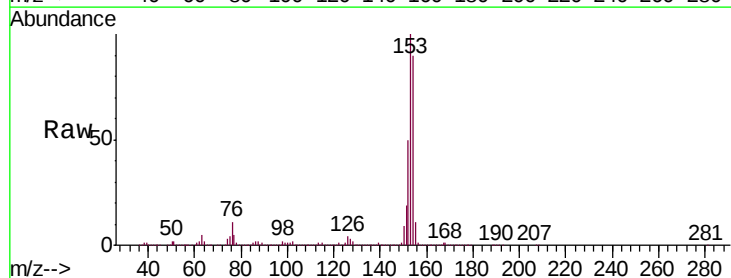
Tgt Ion:153 Resp:12636785

Ion Ratio Lower Upper

153 100

152 49.7 38.6 58.0

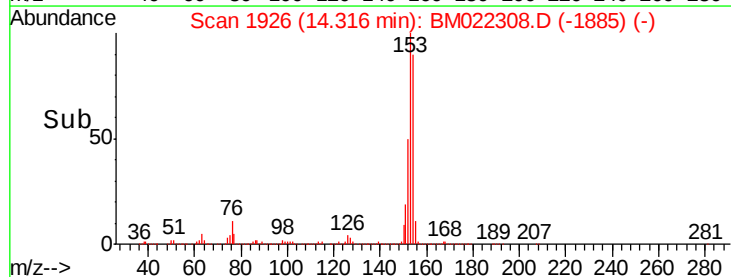
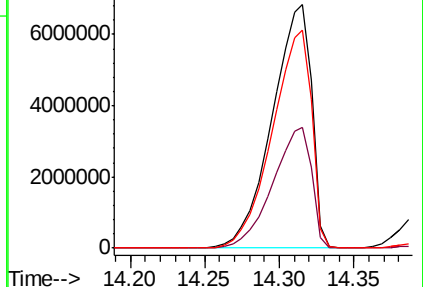
154 89.8 68.9 103.3

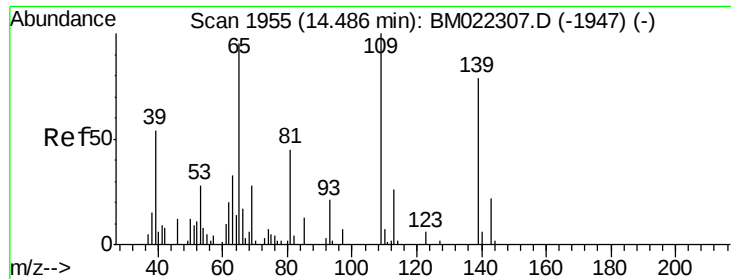


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

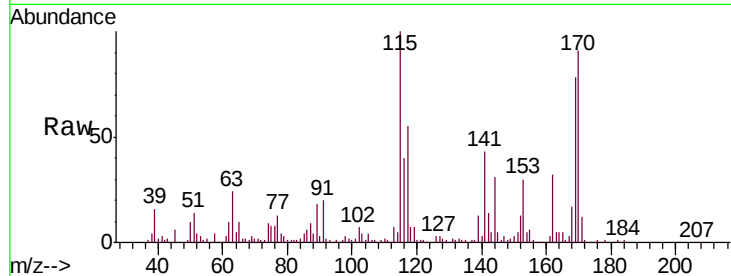




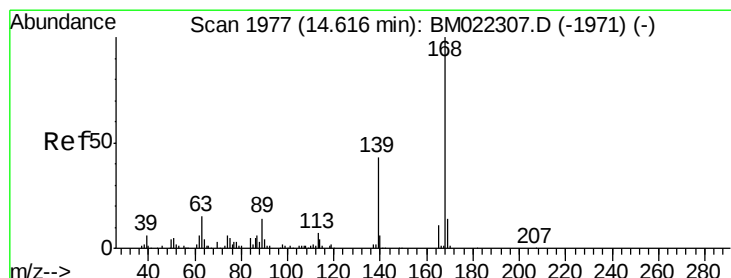
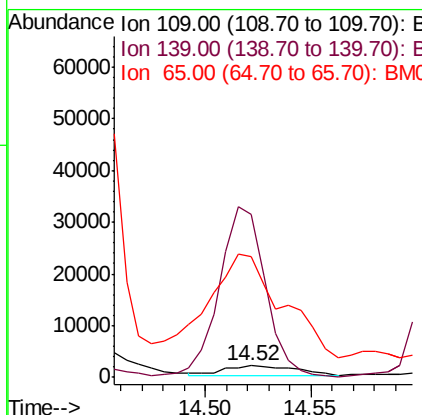
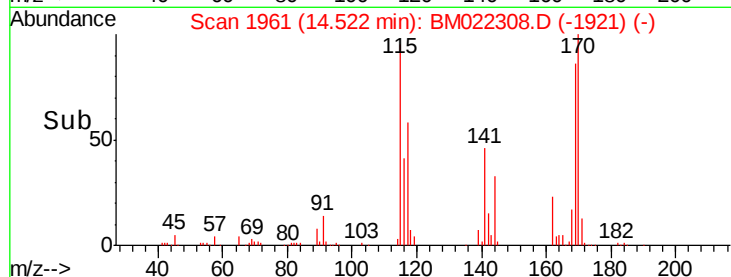
#52  
4-Nitrophenol  
Concen: 1.275 ng/ul  
RT: 14.52 min Scan# 1961  
Delta R.T. 0.04 min  
Lab File: BM022308.D  
Acq: 25 Aug 2019 01:05

Instrument :  
BNA\_M  
ClientSampleId :  
C0AB2

Tgt Ion:109 Resp: 4223  
Ion Ratio Lower Upper  
109 100  
139 1427.5 61.0 91.4#  
65 1059.3 73.4 110.2#

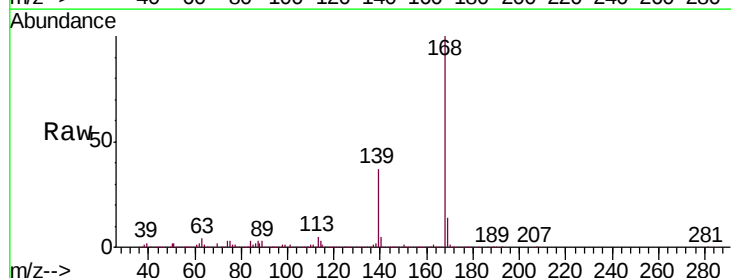


Abundance Ion 109.00 (108.70 to 109.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BM

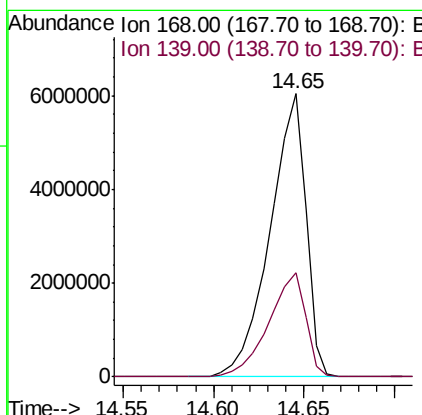
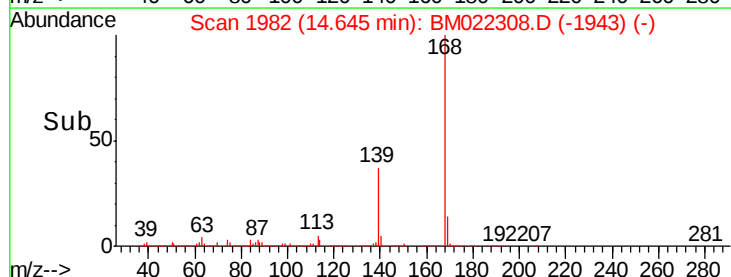


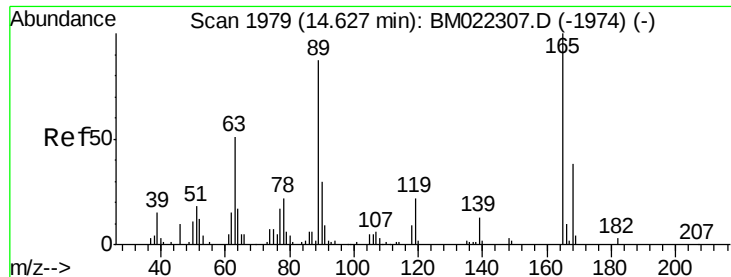
#53  
Dibenzofuran  
Concen: 524.318 ng/ul  
RT: 14.65 min Scan# 1982  
Delta R.T. 0.03 min  
Lab File: BM022308.D  
Acq: 25 Aug 2019 01:05

Tgt Ion:168 Resp: 8329326  
Ion Ratio Lower Upper  
168 100  
139 36.7 36.2 54.4



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

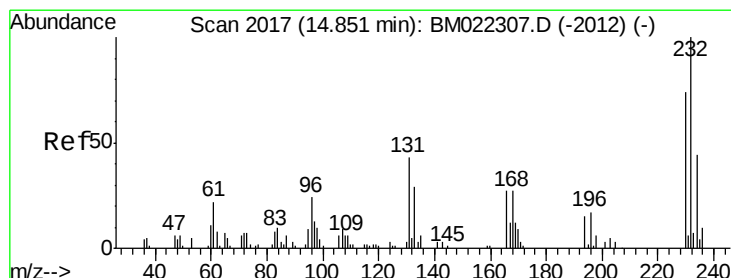
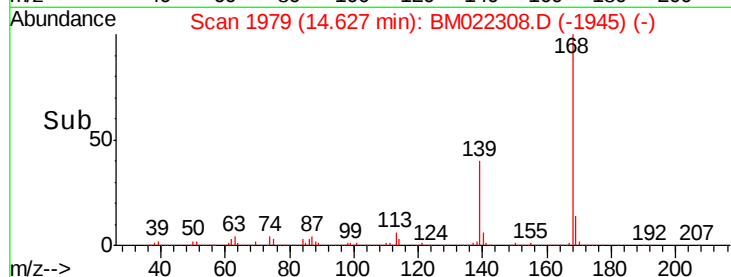
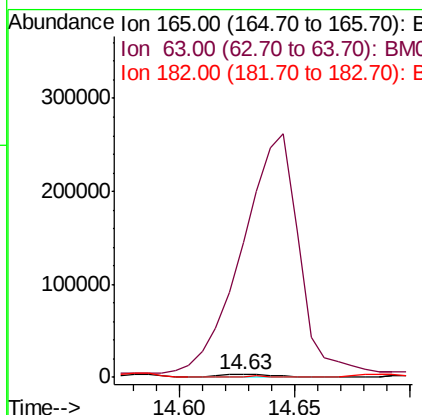
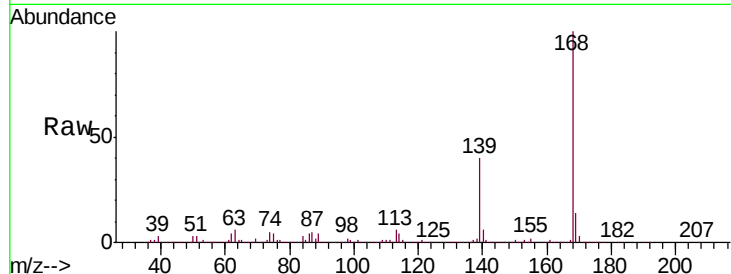




#54  
 2,4-Dinitrotoluene  
 Concen: 1.301 ng/ul  
 RT: 14.63 min Scan# 1979  
 Delta R.T. 0.00 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

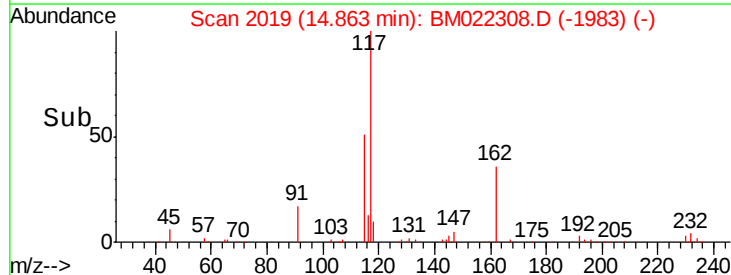
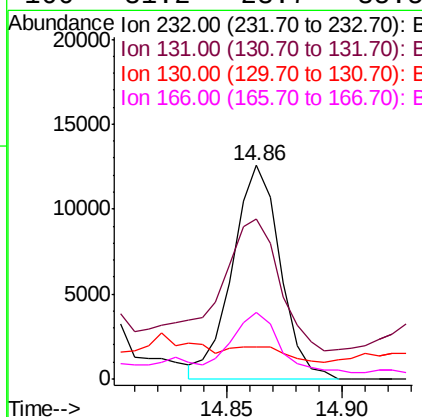
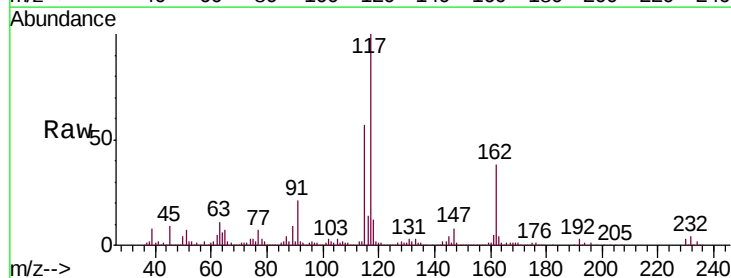
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB2

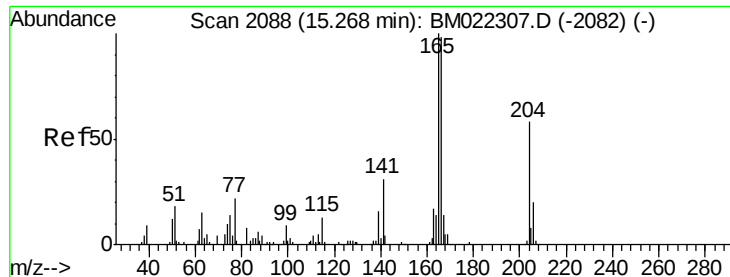
Tgt Ion:165 Resp: 5287  
 Ion Ratio Lower Upper  
 165 100  
 63 4891.8 52.4 78.6#  
 182 27.1 2.2 3.4#



#55  
 2,3,4,6-Tetrachlorophenol  
 Concen: 4.632 ng/ul  
 RT: 14.86 min Scan# 2019  
 Delta R.T. 0.01 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

Tgt Ion:232 Resp: 18221  
 Ion Ratio Lower Upper  
 232 100  
 131 74.7 38.4 57.6#  
 130 15.0 2.6 3.8#  
 166 31.2 23.7 35.5





#58

Fluorene

Concen: 478.612 ng/ul

RT: 15.30 min Scan# 2093

Delta R.T. 0.03 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

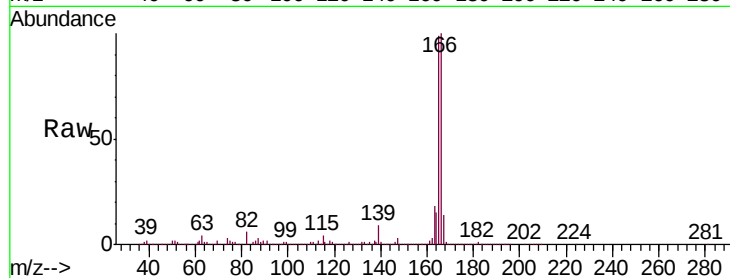
Tgt Ion:166 Resp: 6403945

Ion Ratio Lower Upper

166 100

165 98.7 80.2 120.2

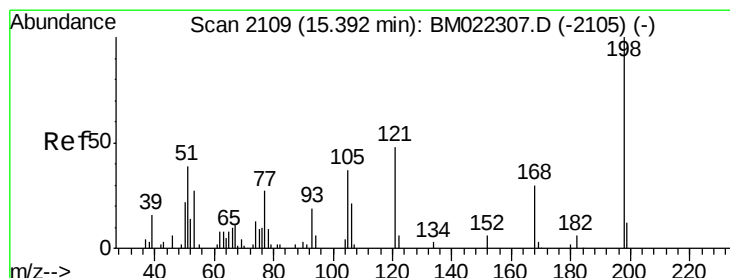
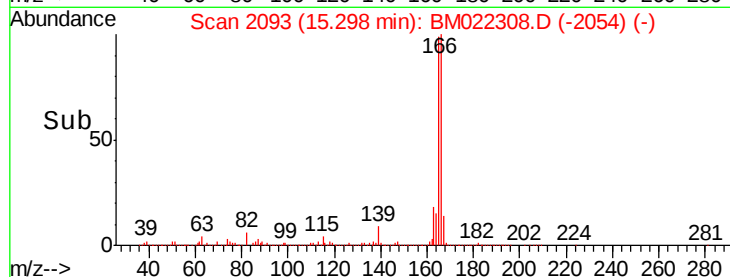
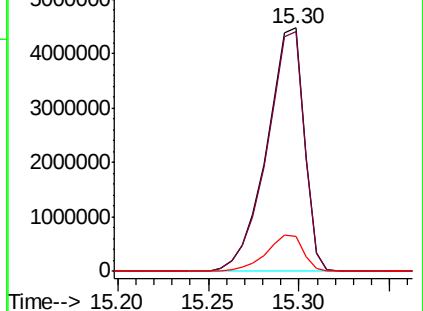
167 14.2 11.4 17.0



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



#63

4,6-Dinitro-2-methylphenol

Concen: 1.054 ng/ul

RT: 15.42 min Scan# 2113

Delta R.T. 0.02 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

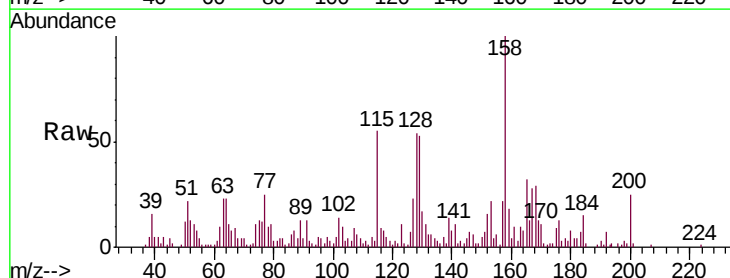
Tgt Ion:198 Resp: 3659

Ion Ratio Lower Upper

198 100

182 102.2 3.8 5.8#

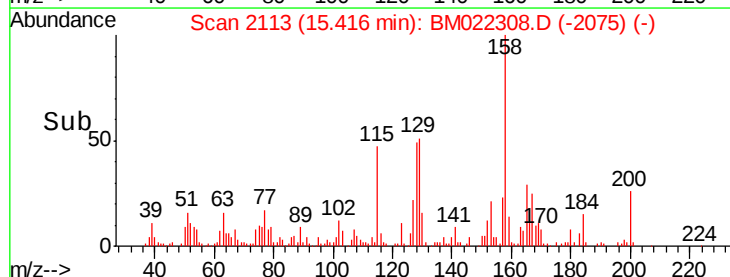
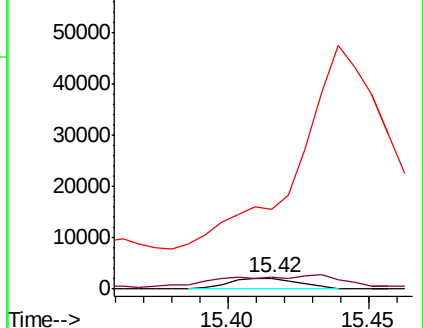
77 716.1 25.3 37.9#

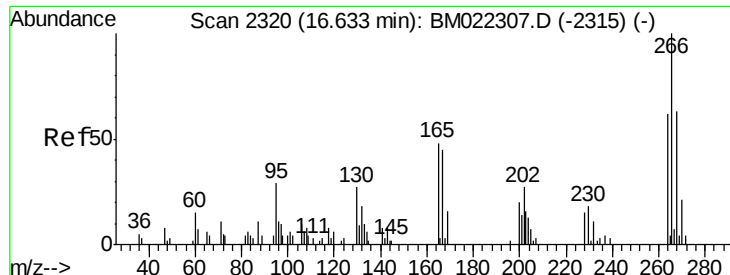


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM

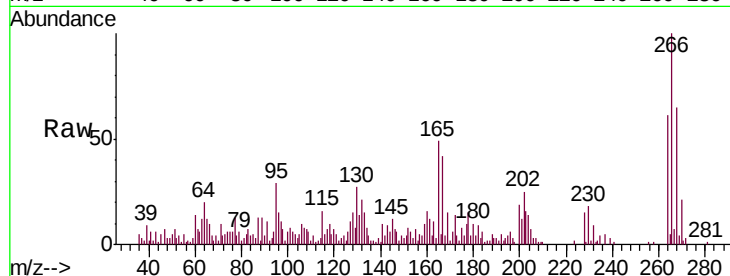




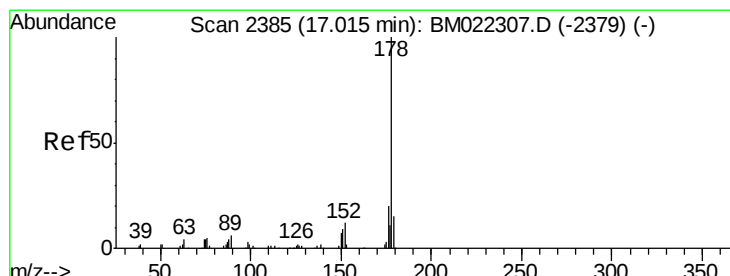
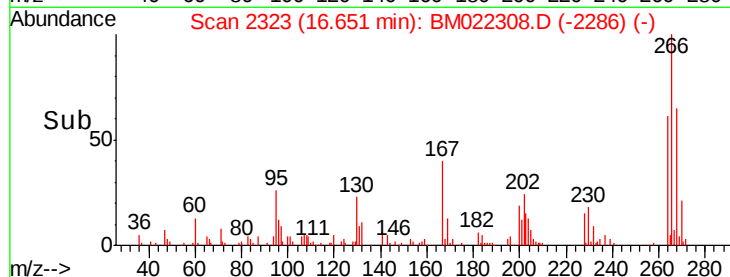
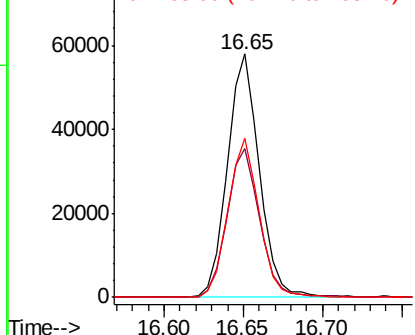
#68  
 Pentachlorophenol  
 Concen: 19.991 ng/ul  
 RT: 16.65 min Scan# 2323  
 Delta R.T. 0.02 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB2

Tgt Ion:266 Resp: 80757  
 Ion Ratio Lower Upper  
 266 100  
 264 60.9 51.3 76.9  
 268 65.2 49.4 74.2

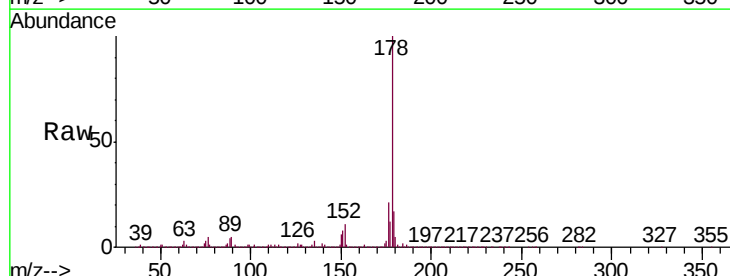


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

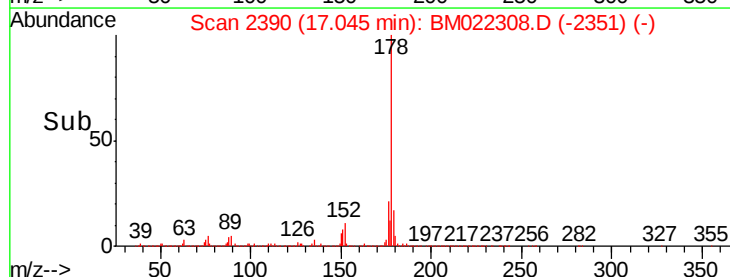
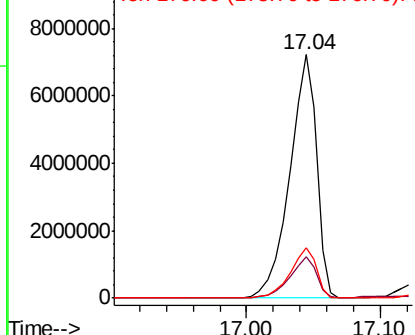


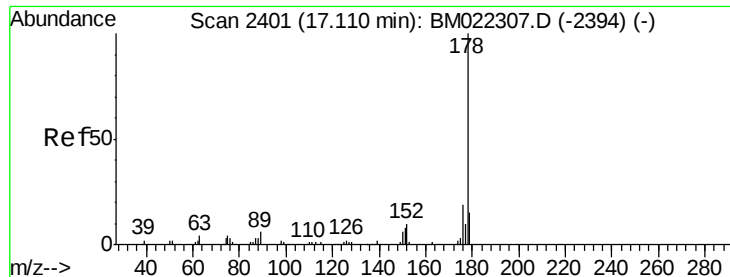
#69  
 Phenanthrene  
 Concen: 398.931 ng/ul  
 RT: 17.04 min Scan# 2390  
 Delta R.T. 0.03 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

Tgt Ion:178 Resp:10006101  
 Ion Ratio Lower Upper  
 178 100  
 179 16.9 12.4 18.6  
 176 20.9 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

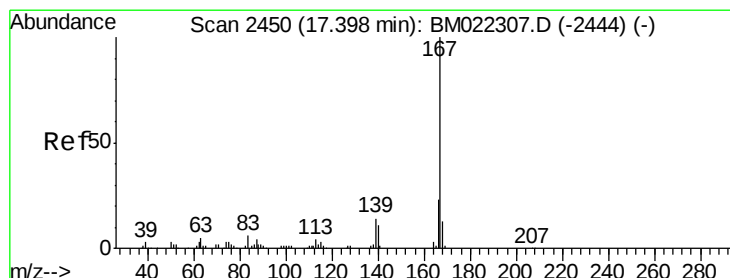
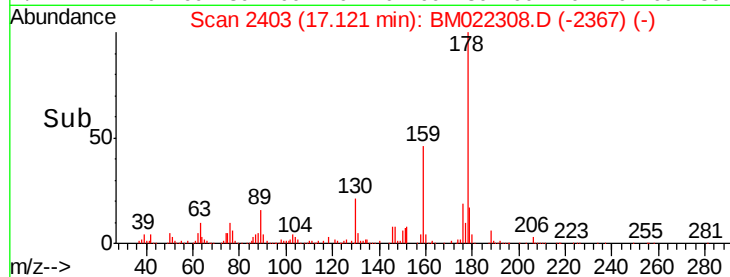
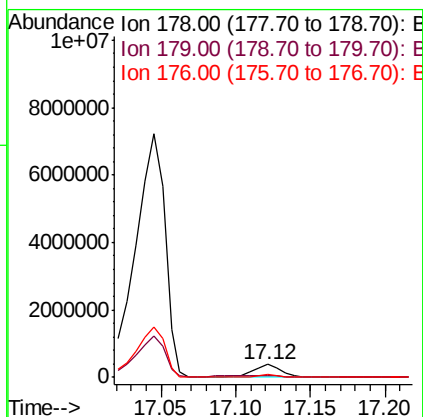
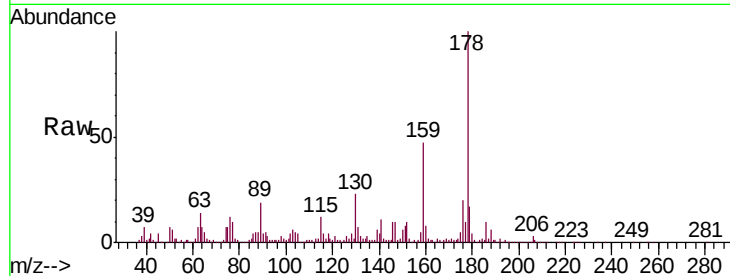




#71  
 Anthracene  
 Concen: 19.343 ng/ul  
 RT: 17.12 min Scan# 2403  
 Delta R.T. 0.01 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

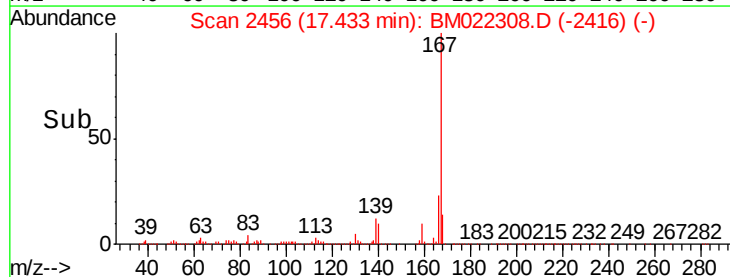
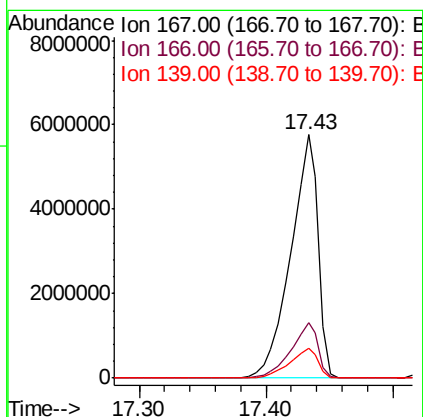
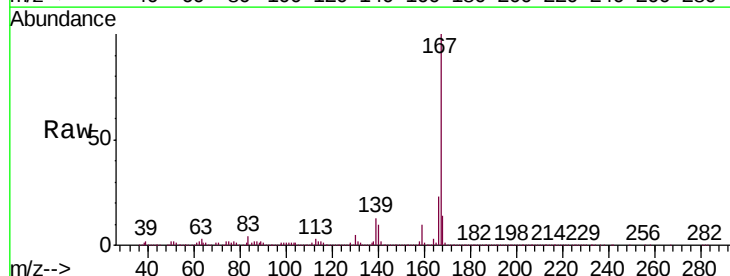
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB2

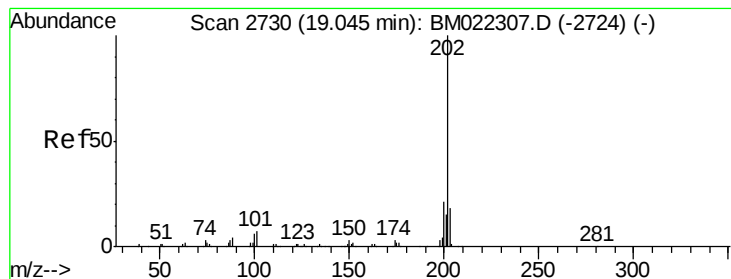
Tgt Ion:178 Resp: 504872  
 Ion Ratio Lower Upper  
 178 100  
 179 16.8 12.3 18.5  
 176 19.9 15.5 23.3



#74  
 Carbazole  
 Concen: 367.177 ng/ul  
 RT: 17.43 min Scan# 2456  
 Delta R.T. 0.04 min  
 Lab File: BM022308.D  
 Acq: 25 Aug 2019 01:05

Tgt Ion:167 Resp: 8656206  
 Ion Ratio Lower Upper  
 167 100  
 166 22.9 17.8 26.8  
 139 12.5 11.8 17.8





#76

Fluoranthene

Concen: 19.923 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

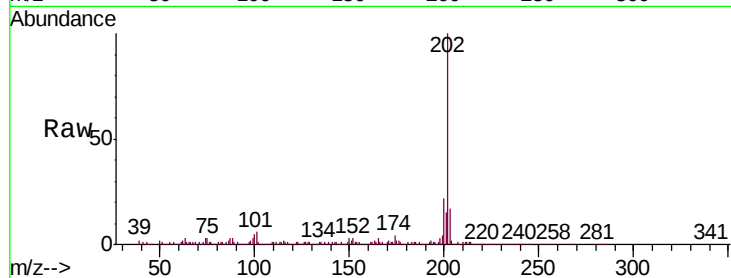
Tgt Ion:202 Resp: 753035

Ion Ratio Lower Upper

202 100

101 6.0 5.3 7.9

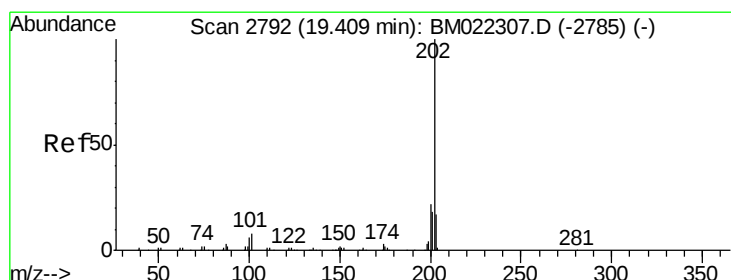
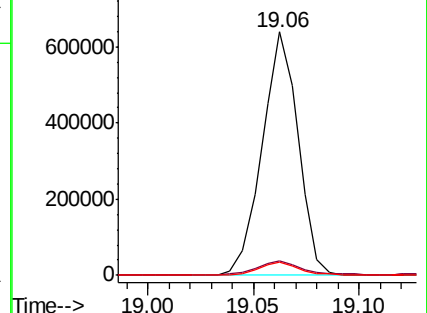
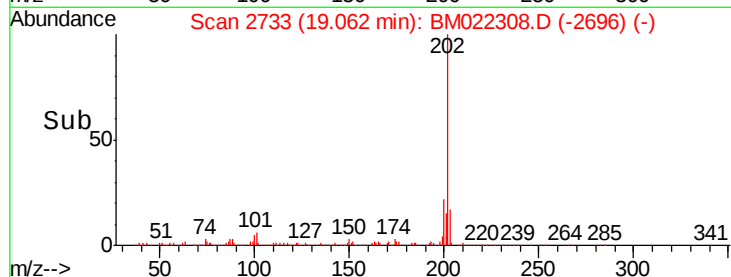
100 5.2 4.6 6.8



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



#79

Pyrene

Concen: 22.308 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

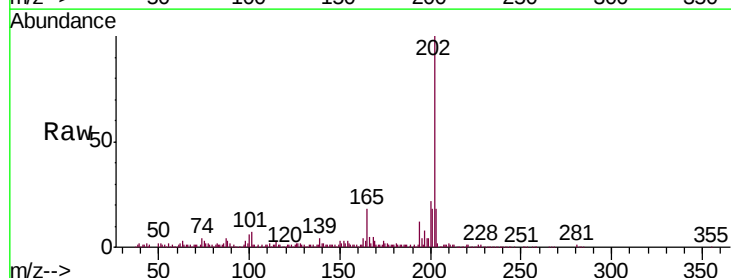
Tgt Ion:202 Resp: 426129

Ion Ratio Lower Upper

202 100

101 7.4 7.0 10.4

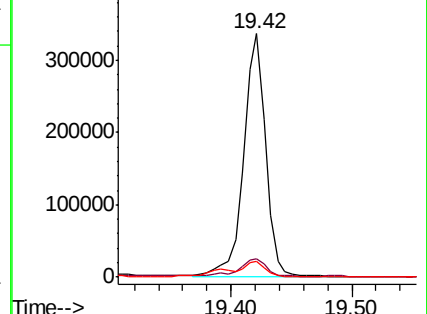
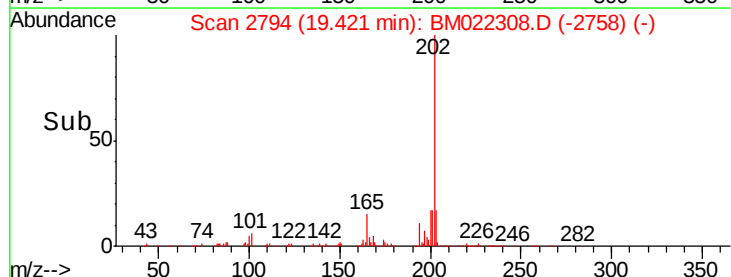
100 6.3 5.8 8.8

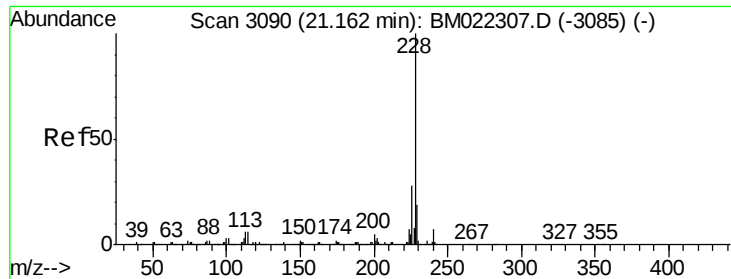


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.358 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA\_M

ClientSampleId :

C0AB2

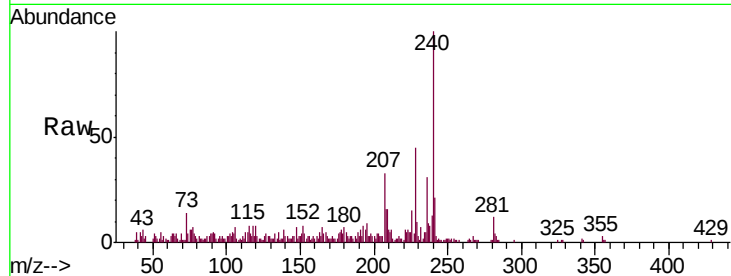
Tgt Ion:228 Resp: 30156

Ion Ratio Lower Upper

228 100

229 23.0 15.2 22.8#

226 33.6 22.3 33.5#

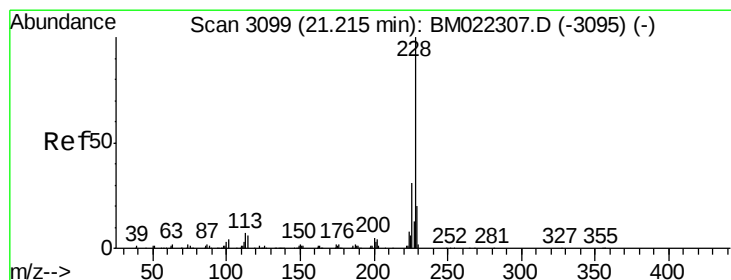
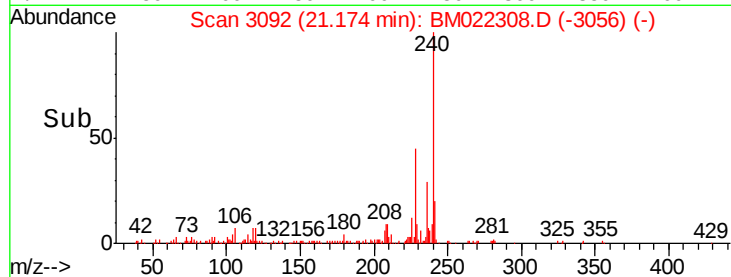
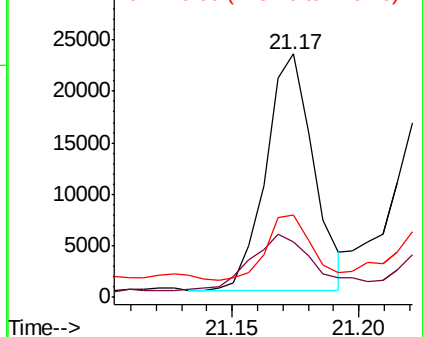


Abundance

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

Chrysene

Concen: 1.463 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.04 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

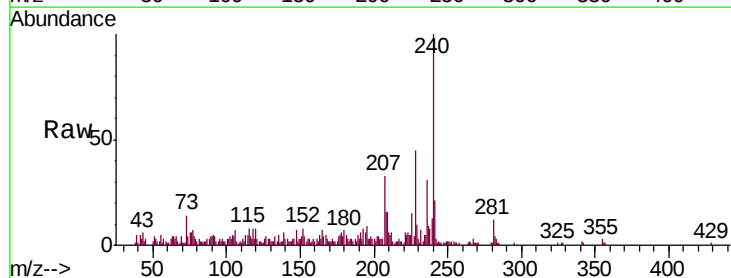
Tgt Ion:228 Resp: 30382

Ion Ratio Lower Upper

228 100

226 33.6 24.7 37.1

229 23.0 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

