

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032719\  
 Data File : BM019518.D  
 Acq On : 27 Mar 2019 23:11  
 Operator : JU/SJ  
 Sample : K2063-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DB6R8

Quant Time: Mar 28 05:14:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 28 05:07:19 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 100141   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.37 | 136  | 423924   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.24 | 164  | 238057   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.00 | 188  | 520824   | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.21 | 240  | 619099   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.42 | 264  | 792403   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 9707    | 3.80  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 6.78  | 99  | 103105  | 11.56 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 215098  | 36.03 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 214442  | 31.73 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.31  | 113 | 155298  | 23.20 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 1871    | 0.62  | ng/ul | 0.15  |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 139410  | 41.42 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 232331  | 36.59 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 3551    | 0.47  | ng/ul | 0.04  |
| 44) Dimethylphthalate-d6       | 13.67 | 166 | 762321  | 39.69 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.94 | 160 | 928902  | 38.67 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.46 | 143 | 242     | 0.08  | ng/ul | -0.04 |
| 58) Fluorene-d10               | 15.24 | 176 | 619109  | 37.41 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 127286  | 36.96 | ng/ul | -0.01 |
| 71) Anthracene-d10             | 17.10 | 188 | 985085  | 39.41 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.41 | 212 | 1086191 | 37.98 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 23.28 | 264 | 1497050 | 35.64 | ng/ul | -0.01 |

## Target Compounds

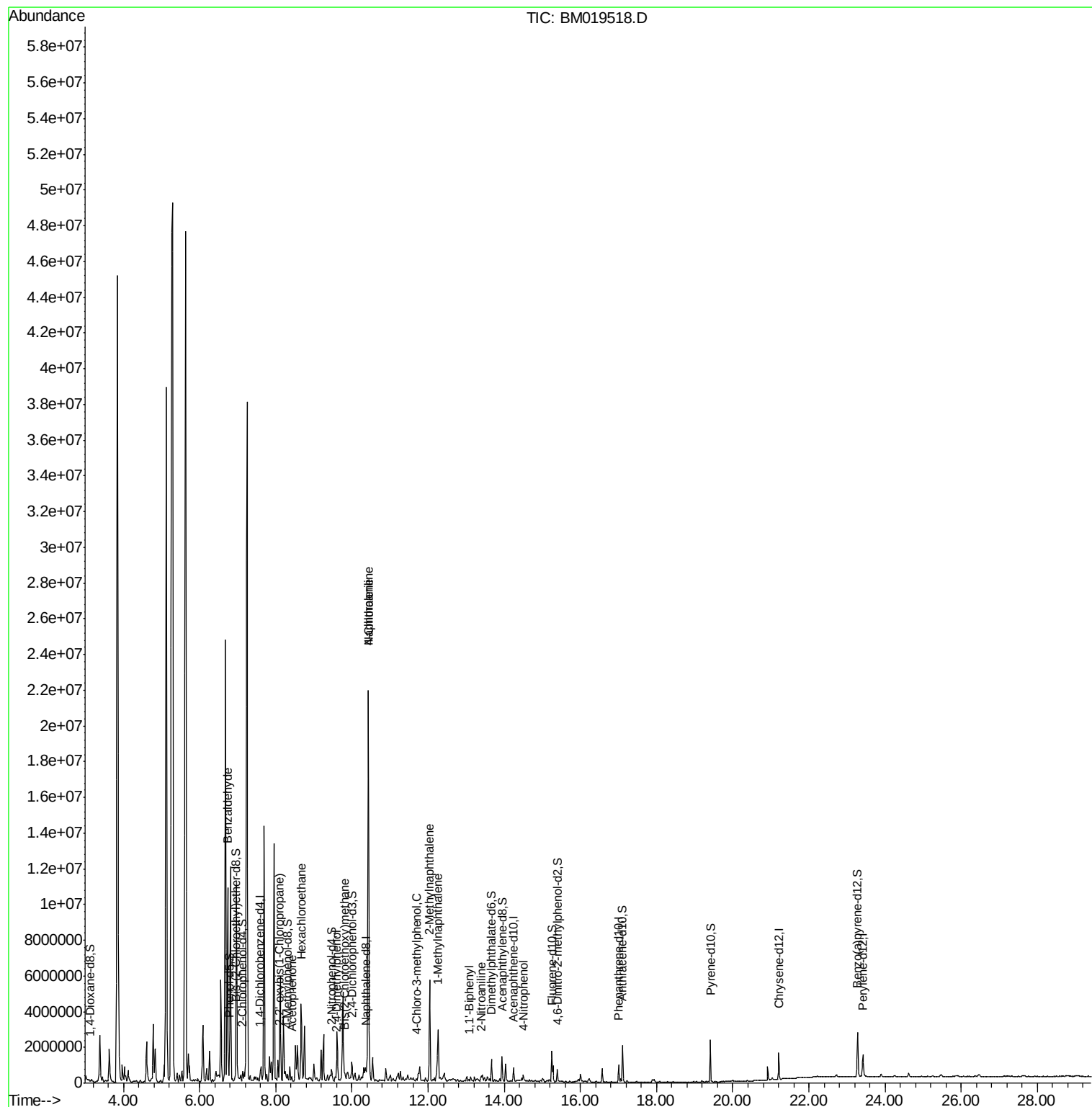
|                                |       |     |          |         | Qvalue |    |
|--------------------------------|-------|-----|----------|---------|--------|----|
| 4) Benzaldehyde                | 6.73  | 77  | 815371   | 127.645 | ng/ul# | 1  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 87934    | 13.031  | ng/ul# | 80 |
| 14) Acetophenone               | 8.42  | 105 | 147934   | 13.570  | ng/ul  | 91 |
| 17) Hexachloroethane           | 8.67  | 117 | 513343   | 177.777 | ng/ul# | 1  |
| 24) 2,4-Dimethylphenol         | 9.58  | 107 | 11601    | 1.438   | ng/ul# | 72 |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 36131    | 3.877   | ng/ul# | 61 |
| 28) Naphthalene                | 10.43 | 128 | 16093766 | 732.832 | ng/ul# | 94 |
| 30) 4-Chloroaniline            | 10.43 | 127 | 2291606  | 285.415 | ng/ul# | 4  |
| 33) 4-Chloro-3-methylphenol    | 11.69 | 107 | 20445    | 3.022   | ng/ul# | 24 |
| 34) 2-Methylnaphthalene        | 12.05 | 142 | 2521266  | 163.844 | ng/ul  | 99 |
| 35) 1-Methylnaphthalene        | 12.26 | 142 | 1200829  | 82.647  | ng/ul  | 97 |
| 41) 1,1'-Biphenyl              | 13.07 | 154 | 39034    | 1.925   | ng/ul# | 95 |
| 43) 2-Nitroaniline             | 13.39 | 65  | 8938     | 2.096   | ng/ul# | 21 |
| 53) 4-Nitrophenol              | 14.50 | 109 | 3162     | 1.342   | ng/ul# | 1  |

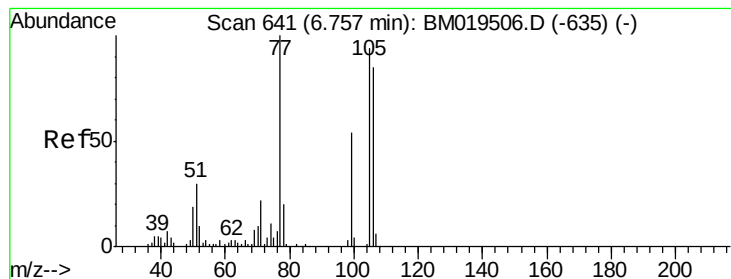
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DB6R8

Quant Time: Mar 28 05:14:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Mar 28 05:07:19 2019  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 127.645 ng/ul

RT: 6.73 min Scan# 637

Delta R.T. -0.04 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Instrument :

BNA\_M

ClientSampled :

DB6R8

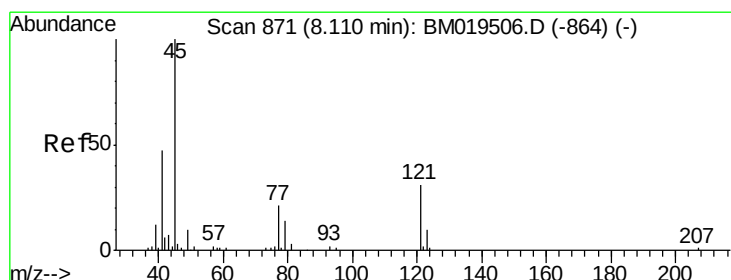
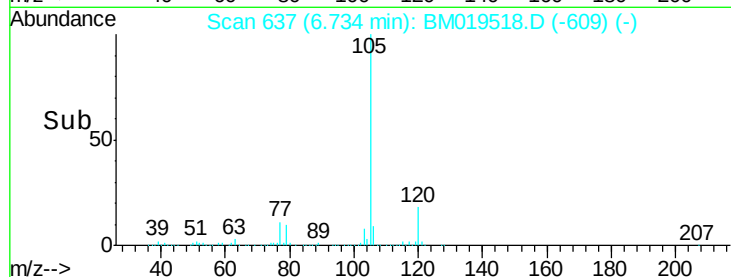
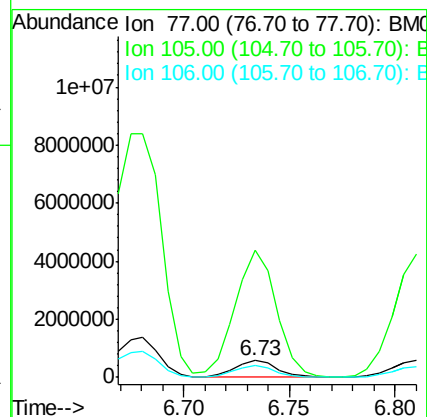
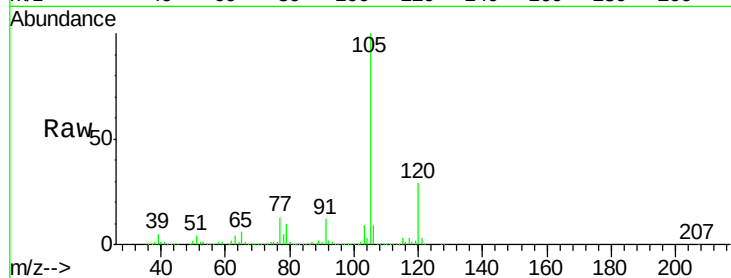
Tgt Ion: 77 Resp: 815371

Ion Ratio Lower Upper

77 100

105 745.5 71.0 106.6#

106 67.1 69.5 104.3#



#12

2,2'-oxybis(1-Chloropropane)

Concen: 13.031 ng/ul

RT: 8.09 min Scan# 867

Delta R.T. -0.05 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

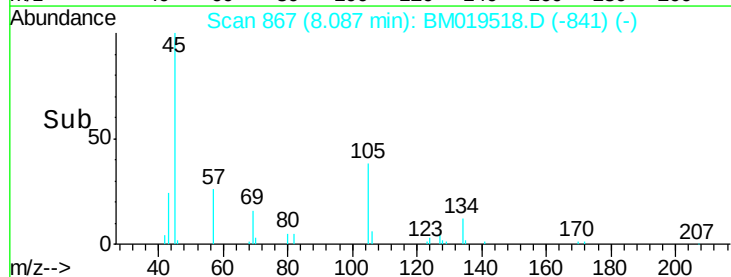
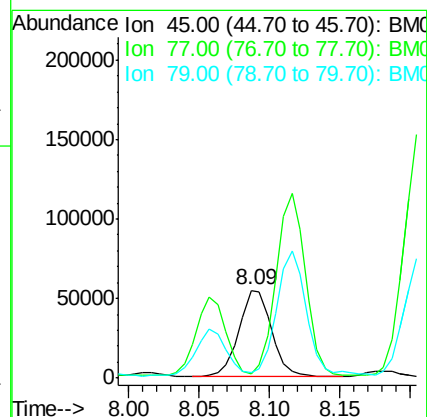
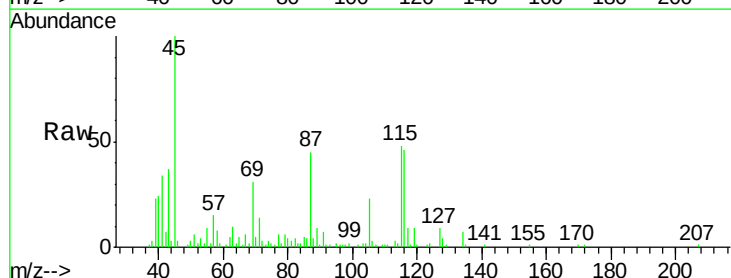
Tgt Ion: 45 Resp: 87934

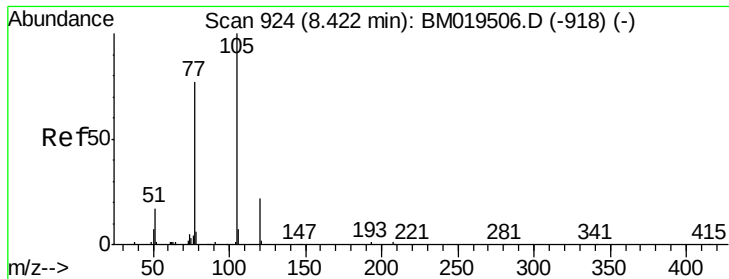
Ion Ratio Lower Upper

45 100

77 5.5 12.5 18.7#

79 5.8 9.4 14.2#





#14

Acetophenone

Concen: 13.570 ng/ul

RT: 8.42 min Scan# 924

Delta R.T. -0.01 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Instrument :

BNA\_M

ClientSampleId :

DB6R8

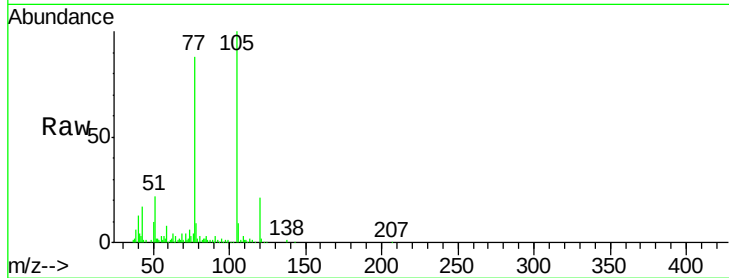
Tgt Ion:105 Resp: 147934

Ion Ratio Lower Upper

105 100

77 87.7 63.2 94.8

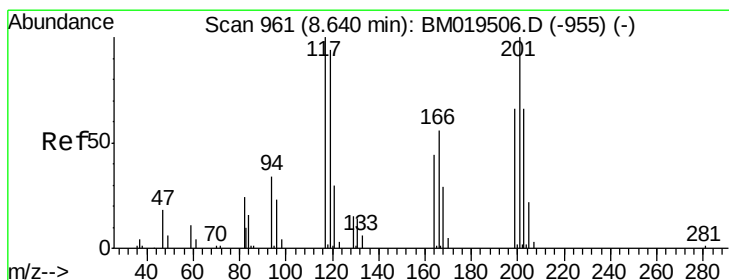
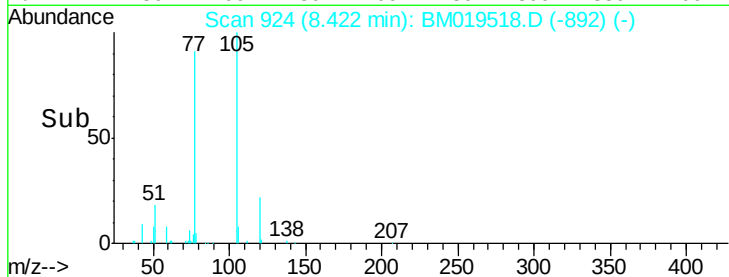
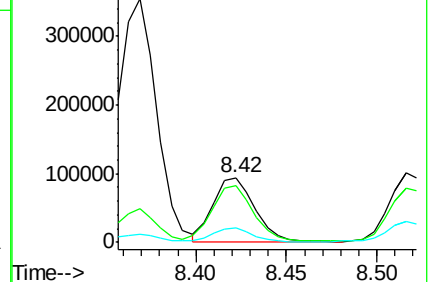
51 21.9 19.8 29.8



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 177.777 ng/ul

RT: 8.67 min Scan# 967

Delta R.T. 0.02 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

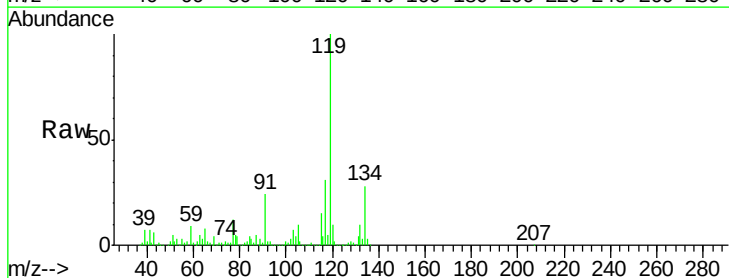
Tgt Ion:117 Resp: 513343

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

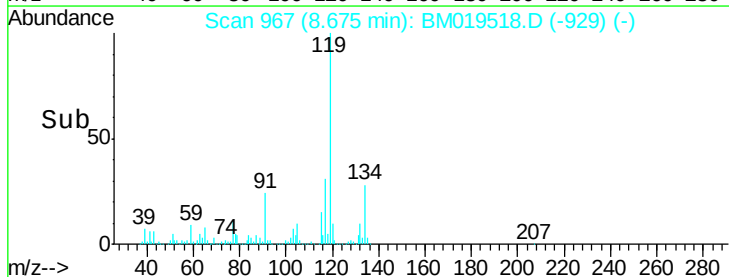
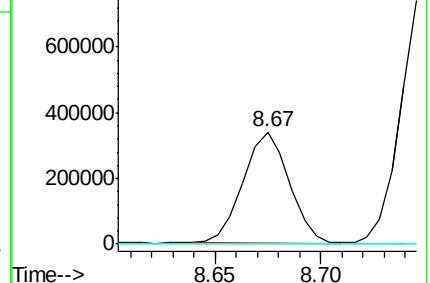
199 0.0 59.7 89.5#

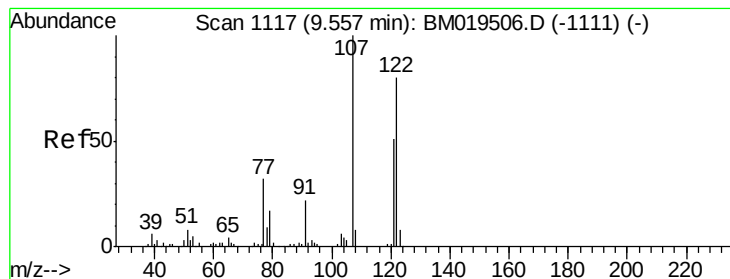


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#24

2,4-Dimethylphenol

Concen: 1.438 ng/ul

RT: 9.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Instrument :

BNA\_M

ClientSampled :

DB6R8

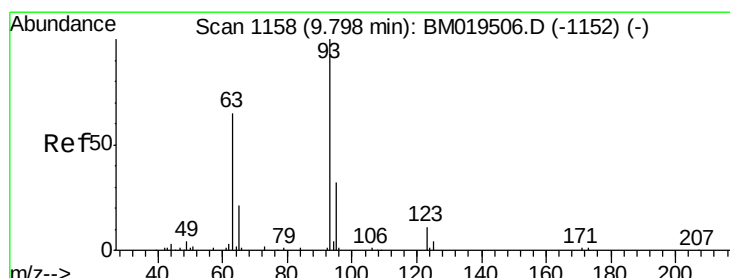
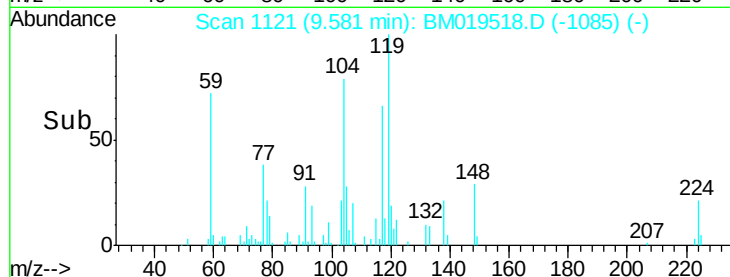
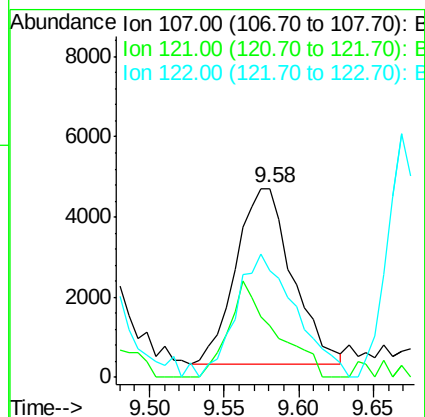
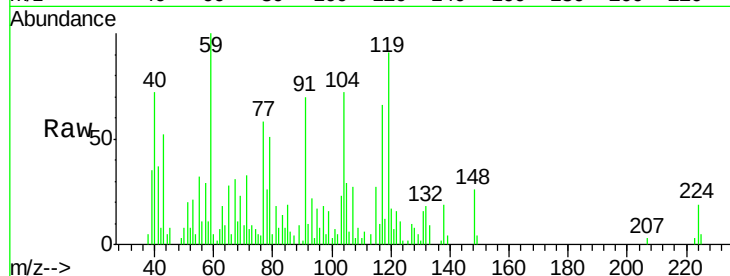
Tgt Ion:107 Resp: 11601

Ion Ratio Lower Upper

107 100

121 27.0 38.1 57.1#

122 56.6 63.8 95.8#



#25

Bis(2-Chloroethoxy)methane

Concen: 3.877 ng/ul

RT: 9.82 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

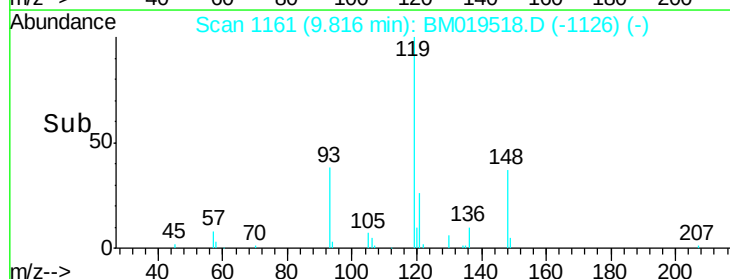
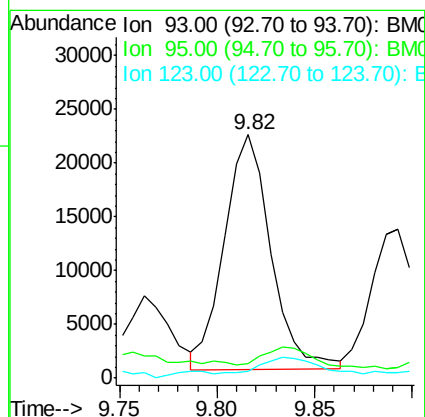
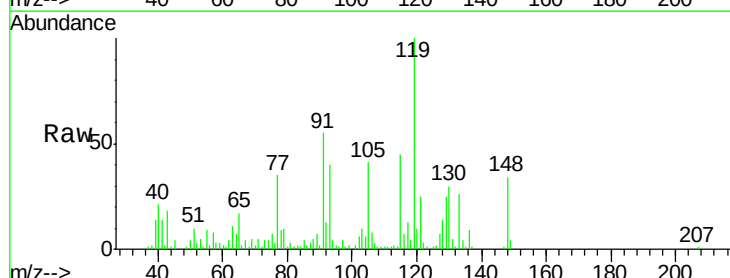
Tgt Ion: 93 Resp: 36131

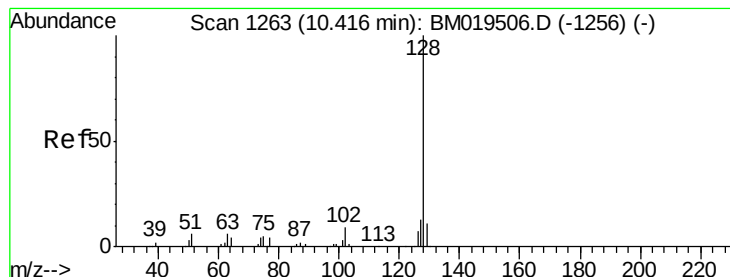
Ion Ratio Lower Upper

93 100

95 6.0 24.7 37.1#

123 2.8 8.2 12.2#





#28

Naphthalene

Concen: 732.832 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Instrument :

BNA\_M

ClientSampled :

DB6R8

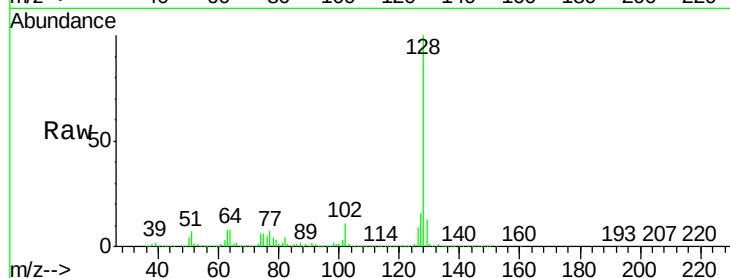
Tgt Ion:128 Resp:16093766

Ion Ratio Lower Upper

128 100

129 13.1 8.3 12.5#

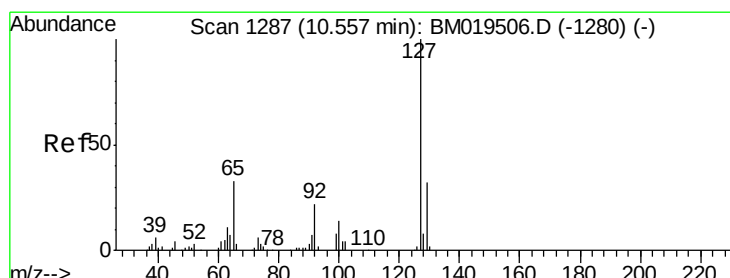
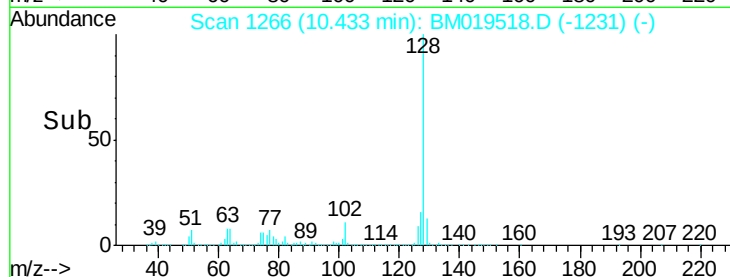
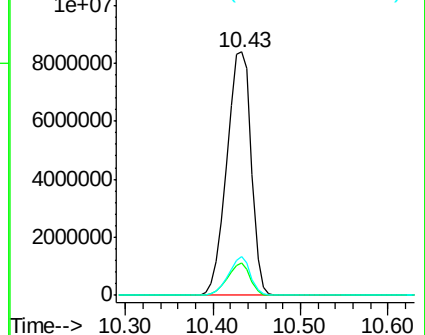
127 15.7 10.8 16.2



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: 285.415 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.14 min

Lab File: BM019518.D

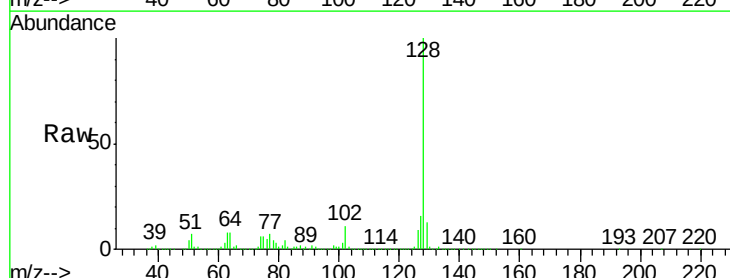
Acq: 27 Mar 2019 23:11

Tgt Ion:127 Resp: 2291606

Ion Ratio Lower Upper

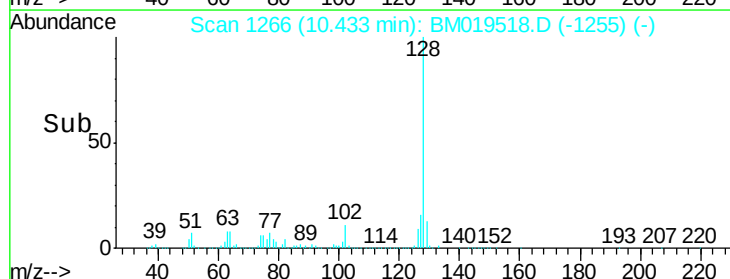
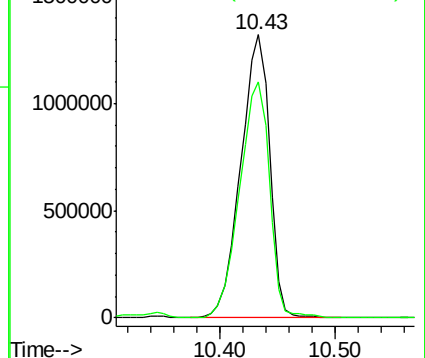
127 100

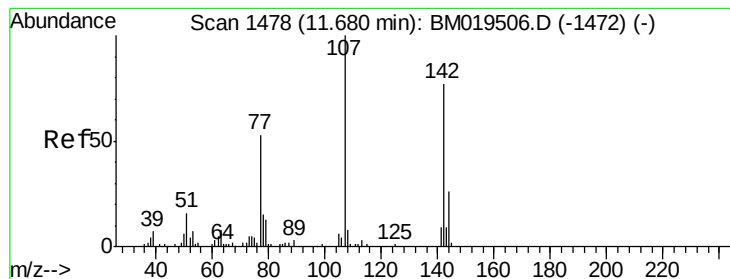
129 83.3 24.6 37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#33

4-Chloro-3-methylphenol

Concen: 3.022 ng/ul

RT: 11.69 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Instrument :

BNA\_M

ClientSampleId :

DB6R8

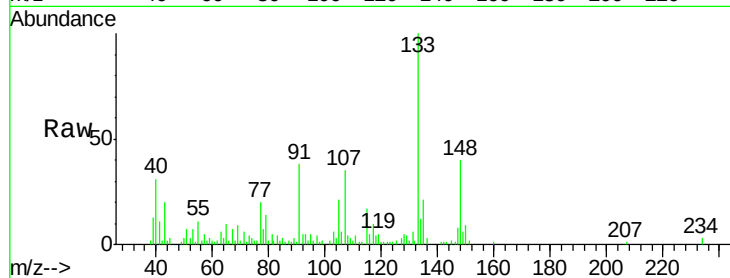
Tgt Ion:107 Resp: 20445

Ion Ratio Lower Upper

107 100

144 0.0 21.1 31.7#

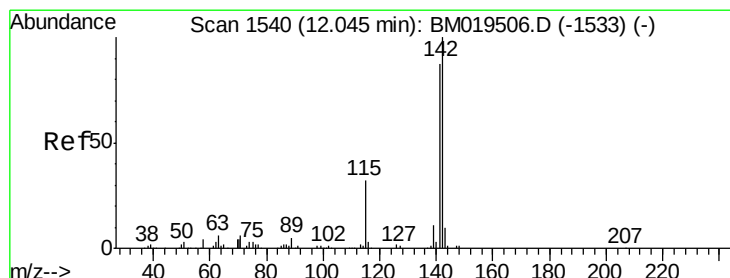
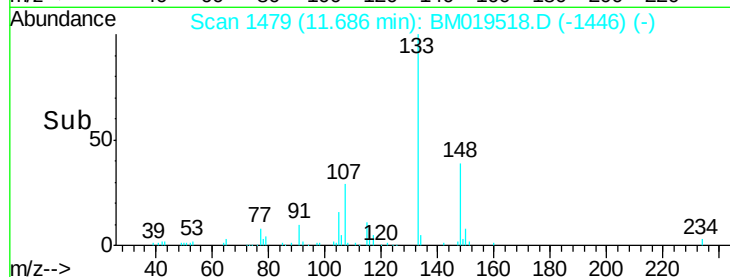
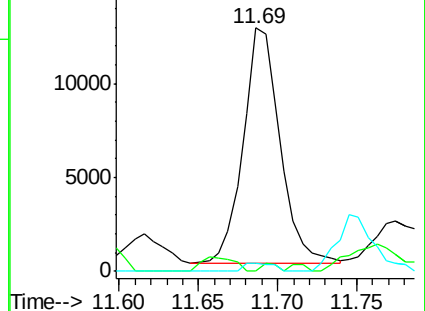
142 3.1 60.1 90.1#



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: 163.844 ng/ul

RT: 12.05 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM019518.D

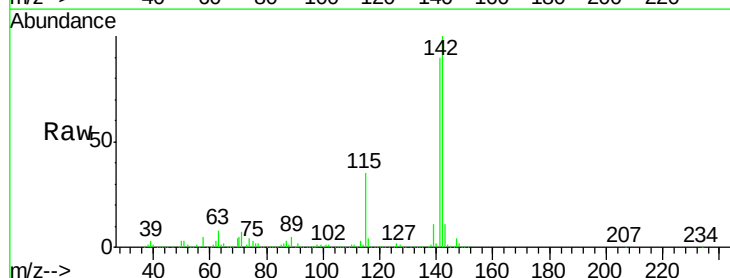
Acq: 27 Mar 2019 23:11

Tgt Ion:142 Resp: 2521266

Ion Ratio Lower Upper

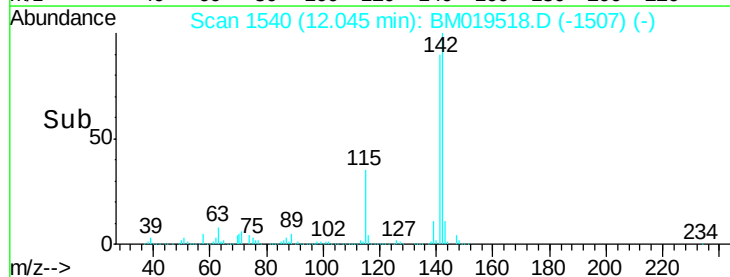
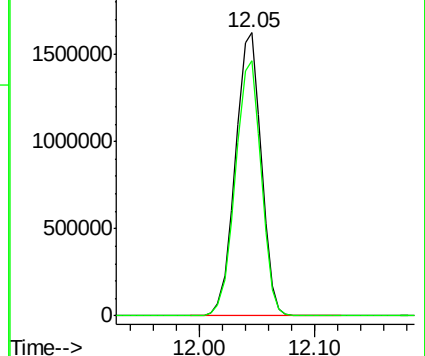
142 100

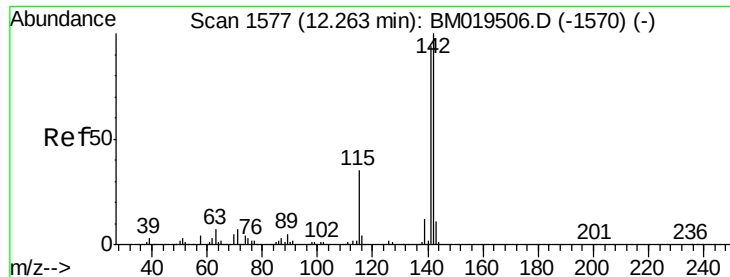
141 90.0 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

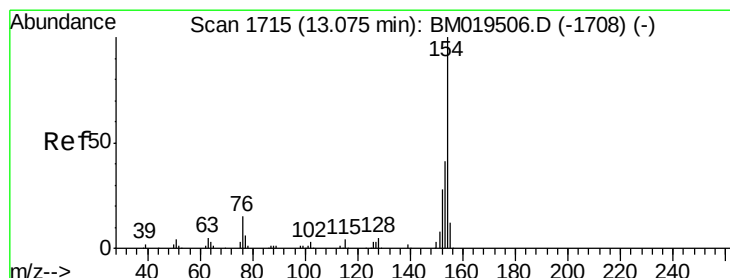
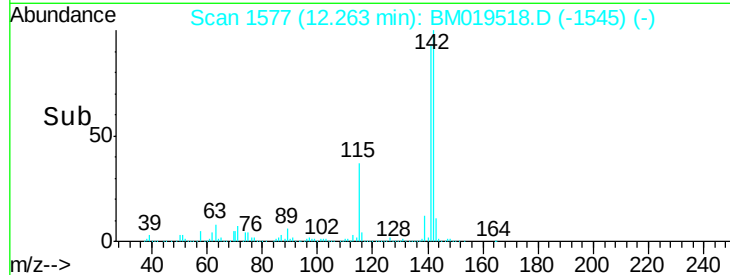
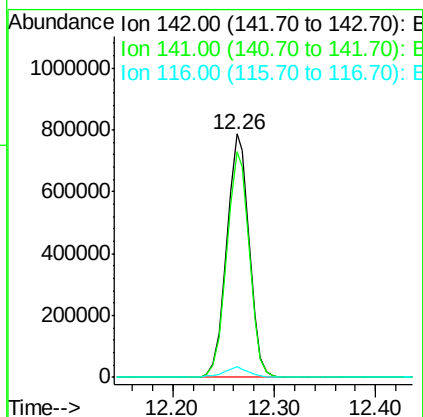
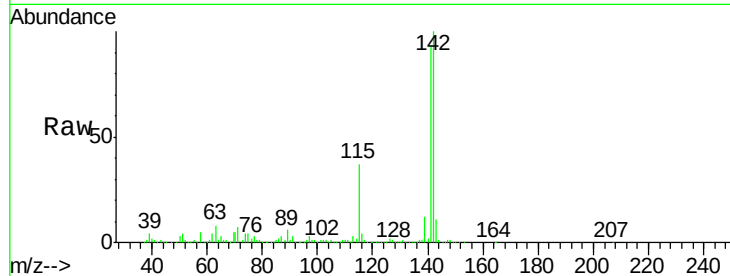




#35  
 1-Methylnaphthalene  
 Concen: 82.647 ng/ul  
 RT: 12.26 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BM019518.D  
 Acq: 27 Mar 2019 23:11

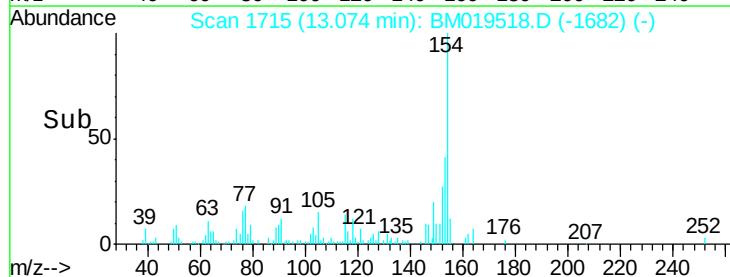
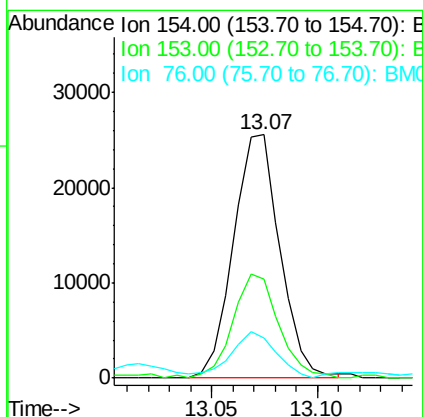
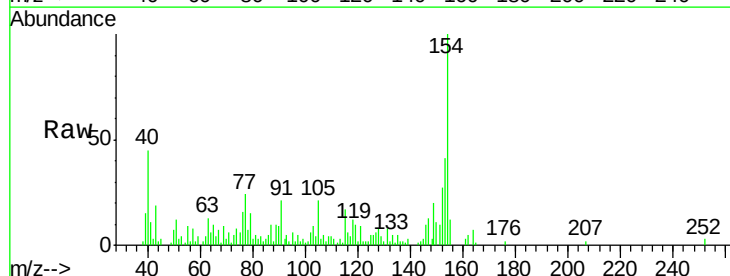
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DB6R8

Tgt Ion:142 Resp: 1200829  
 Ion Ratio Lower Upper  
 142 100  
 141 92.8 76.6 115.0  
 116 4.2 3.6 5.4

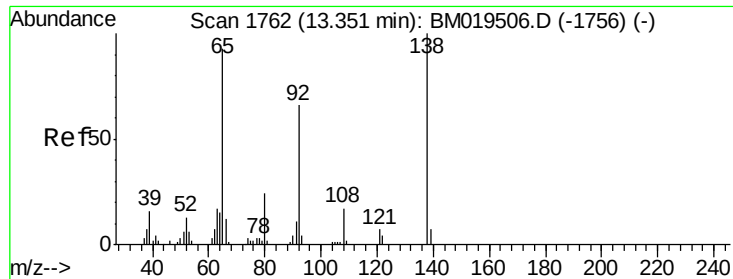


#41  
 1,1'-Biphenyl  
 Concen: 1.925 ng/ul  
 RT: 13.07 min Scan# 1715  
 Delta R.T. -0.01 min  
 Lab File: BM019518.D  
 Acq: 27 Mar 2019 23:11

Tgt Ion:154 Resp: 39034  
 Ion Ratio Lower Upper  
 154 100  
 153 40.6 34.0 51.0  
 76 16.2 8.4 12.6#







#43

2-Nitroaniline

Concen: 2.096 ng/ul

RT: 13.39 min Scan# 1768

Delta R.T. 0.02 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Instrument :

BNA\_M

ClientSampleId :

DB6R8

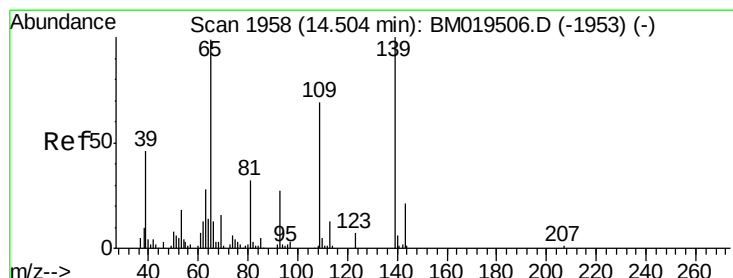
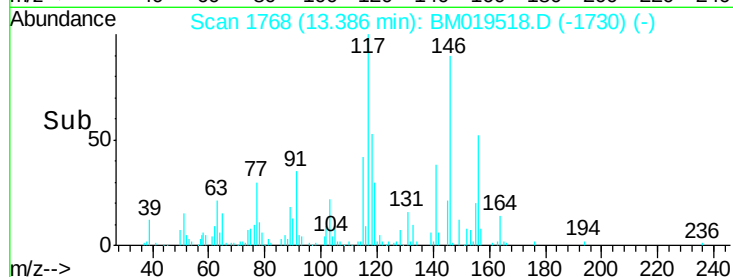
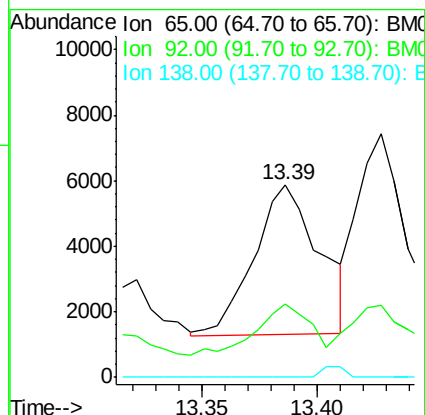
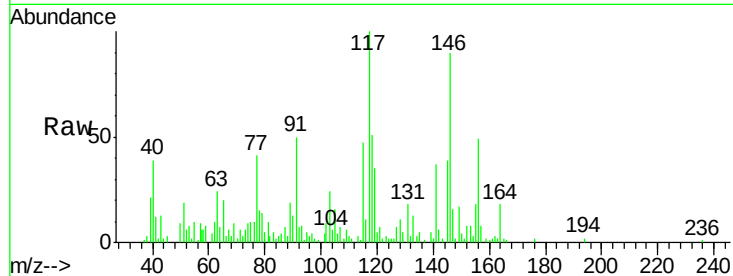
Tgt Ion: 65 Resp: 8938

Ion Ratio Lower Upper

65 100

92 37.7 57.0 85.4#

138 0.0 87.2 130.8#



#53

4-Nitrophenol

Concen: 1.342 ng/ul

RT: 14.50 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BM019518.D

Acq: 27 Mar 2019 23:11

Tgt Ion: 109 Resp: 3162

Ion Ratio Lower Upper

109 100

139 0.0 91.2 136.8#

65 248.1 92.6 139.0#

