

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM111219\  
 Data File : BM023681.D  
 Acq On : 13 Nov 2019 01:38  
 Operator : JU  
 Sample : K5579-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEJP0

Quant Time: Nov 13 07:57:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 13 07:53:58 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 539823   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 2354351  | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.20 | 164  | 1547005  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.95 | 188  | 3000240  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.15 | 240  | 2017091  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.31 | 264  | 2212587  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 88085   | 6.73  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 481794  | 9.79  | ng/ul | 0.08 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.89  | 67  | 875063  | 30.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.11  | 132 | 1126938 | 31.61 | ng/ul | 0.03 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 817692  | 20.83 | ng/ul | 0.03 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 646462  | 38.36 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 778058  | 43.93 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 1412538 | 34.97 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 9457    | 0.21  | ng/ul | 0.02 |
| 44) Dimethylphthalate-d6       | 13.63 | 166 | 4288704 | 35.55 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 4688068 | 34.05 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.42 | 143 | 816     | 0.04  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.20 | 176 | 3580378 | 33.61 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 693040  | 39.93 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.05 | 188 | 5043361 | 35.44 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.35 | 212 | 4518067 | 42.96 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.17 | 264 | 4216965 | 36.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 136175  | 9.705  | ng/uL 95  |
| 4) Benzaldehyde                | 6.70  | 77  | 132912  | 4.604  | ng/ul# 1  |
| 6) Phenol                      | 6.83  | 94  | 787053  | 15.526 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.99  | 93  | 225707  | 5.814  | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.15  | 128 | 51637   | 1.405  | ng/ul 99  |
| 11) 2-Methylphenol             | 8.06  | 108 | 121194  | 3.203  | ng/ul 92  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 46990   | 1.241  | ng/ul# 47 |
| 14) Acetophenone               | 8.36  | 105 | 555486  | 9.074  | ng/ul# 47 |
| 15) N-Nitroso-di-n-propylamine | 8.41  | 70  | 229192  | 7.126  | ng/ul# 73 |
| 16) 4-Methylphenol             | 8.35  | 108 | 189638  | 4.527  | ng/ul 94  |
| 20) Nitrobenzene               | 8.72  | 77  | 84808   | 1.903  | ng/ul# 37 |
| 21) Isophorone                 | 9.27  | 82  | 332884  | 3.830  | ng/ul# 79 |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 1769894 | 39.311 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.76  | 93  | 1605962 | 29.442 | ng/ul# 1  |
| 28) Naphthalene                | 10.37 | 128 | 1215492 | 9.823  | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.45 | 127 | 239421  | 5.252  | ng/ul 94  |
| 32) Caprolactam                | 11.29 | 113 | 19646   | 1.560  | ng/ul# 1  |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 1931004 | 44.782 | ng/ul# 20 |
| 35) 1-Methylnaphthalene        | 12.22 | 142 | 115561  | 1.238  | ng/ul# 20 |
| 45) Dimethylphthalate          | 13.67 | 163 | 172579  | 1.460  | ng/ul# 91 |
| 57) Diethylphthalate           | 15.05 | 149 | 5256439 | 45.310 | ng/ul 99  |
| 68) Atrazine                   | 16.45 | 200 | 72291   | 2.192  | ng/ul# 44 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM111219\  
Data File : BM023681.D  
Acq On : 13 Nov 2019 01:38  
Operator : JU  
Sample : K5579-03  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEJP0

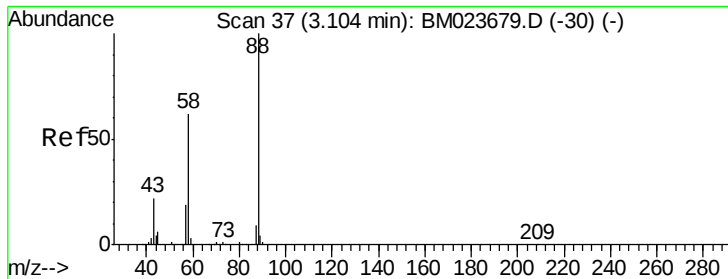
Quant Time: Nov 13 07:57:33 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 13 07:53:58 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

-----

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





#2

1,4-Dioxane

Concen: 9.705 ng/uL

RT: 3.10 min Scan# 37

Delta R.T. 0.00 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

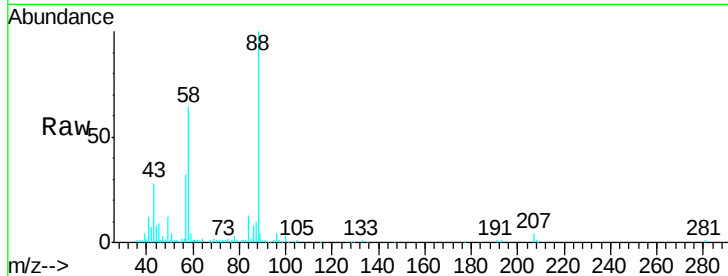
Tgt Ion: 88 Resp: 136175

Ion Ratio Lower Upper

88 100

43 27.8 18.9 28.3

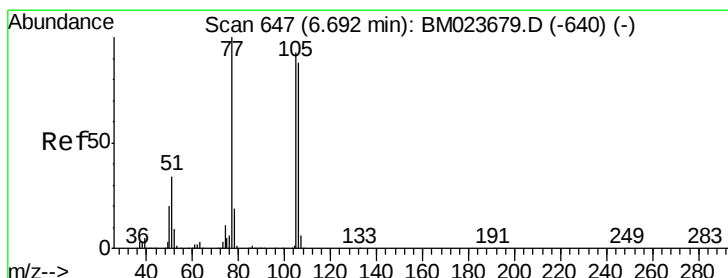
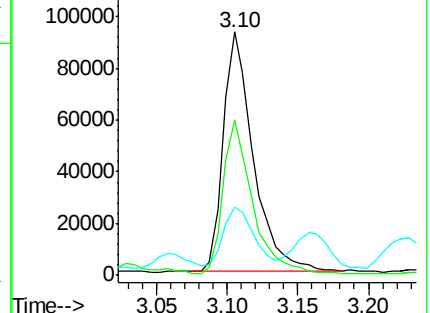
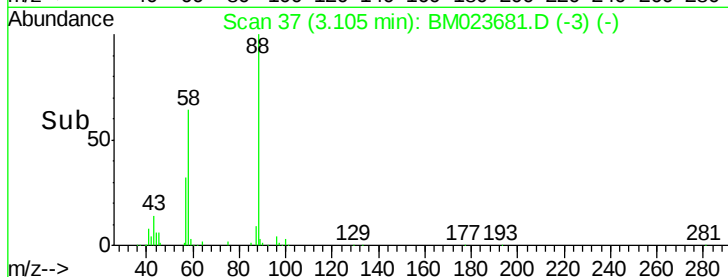
58 63.9 49.1 73.7



Abundance Ion 88.00 (87.70 to 88.70): BM023679.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM023679.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM023679.D (-30) (-)



#4

Benzaldehyde

Concen: 4.604 ng/uL

RT: 6.70 min Scan# 649

Delta R.T. 0.01 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

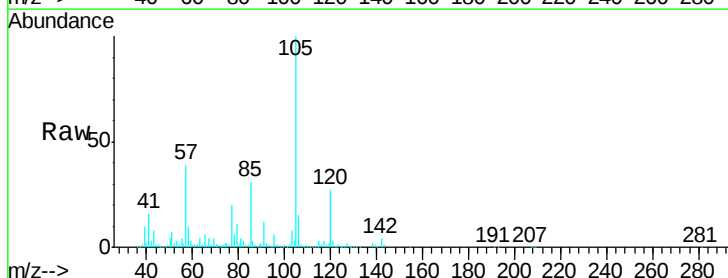
Tgt Ion: 77 Resp: 132912

Ion Ratio Lower Upper

77 100

105 506.6 75.9 113.9#

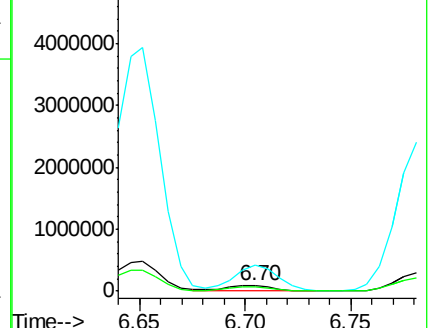
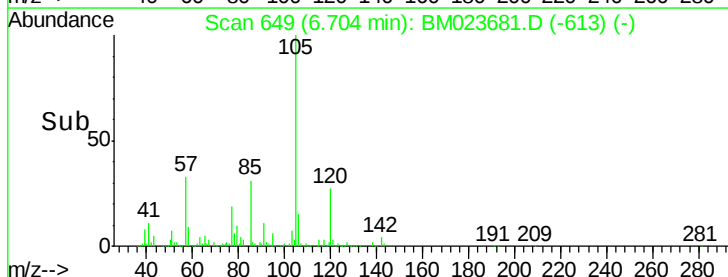
106 78.5 70.2 105.4

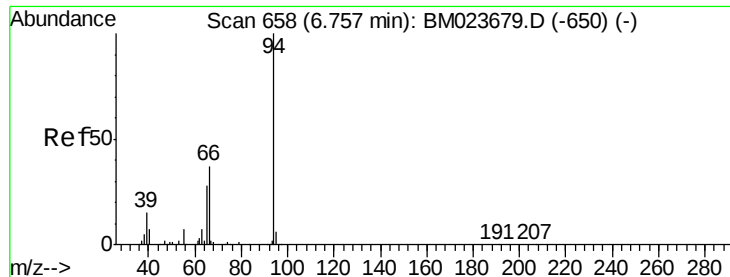


Abundance Ion 77.00 (76.70 to 77.70): BM023679.D (-640) (-)

Ion 105.00 (104.70 to 105.70): BM023679.D (-640) (-)

Ion 106.00 (105.70 to 106.70): BM023679.D (-640) (-)





#6

Phenol

Concen: 15.526 ng/ul

RT: 6.83 min Scan# 671

Delta R.T. 0.08 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

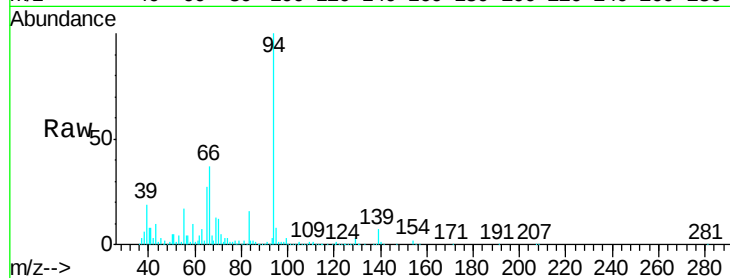
Tgt Ion: 94 Resp: 787053

Ion Ratio Lower Upper

94 100

65 27.0 21.4 32.2

66 37.3 30.7 46.1



Abundance Ion 94.00 (93.70 to 94.70): BM023679.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM023679.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM023679.D (-650) (-)

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

6.83

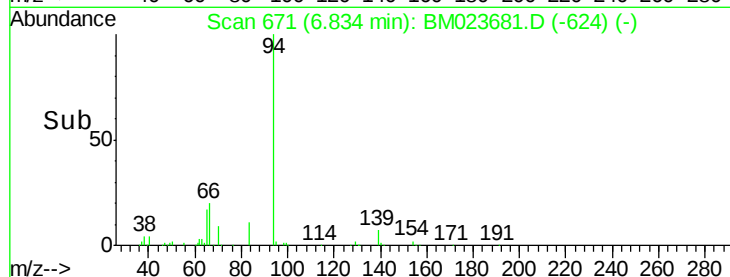
6.83

6.83

6.83

6.83

6.83



#8

Bis(2-Chloroethyl)ether

Concen: 5.814 ng/ul

RT: 6.99 min Scan# 697

Delta R.T. 0.01 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

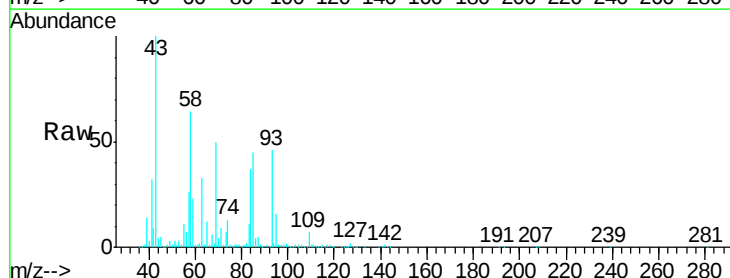
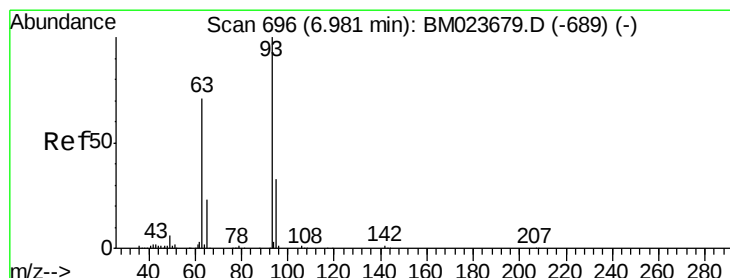
Tgt Ion: 93 Resp: 225707

Ion Ratio Lower Upper

93 100

63 70.9 55.4 83.0

95 35.5 26.2 39.4



Abundance Ion 93.00 (92.70 to 93.70): BM023679.D (-689) (-)

Ion 63.00 (62.70 to 63.70): BM023679.D (-689) (-)

Ion 95.00 (94.70 to 95.70): BM023679.D (-689) (-)

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

6.99

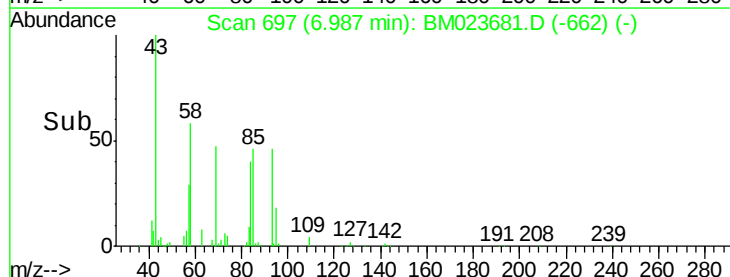
6.99

6.99

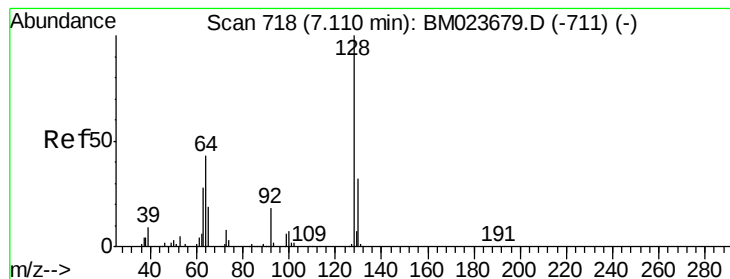
6.99

6.99

6.99



Time-->



#10

2-Chlorophenol

Concen: 1.405 ng/ul

RT: 7.15 min Scan# 724

Delta R.T. 0.04 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

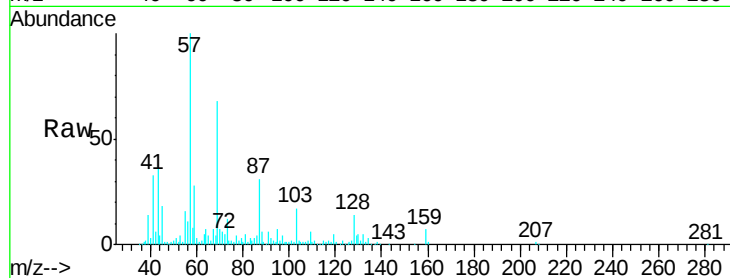
Tgt Ion:128 Resp: 51637

Ion Ratio Lower Upper

128 100

64 46.1 38.1 57.1

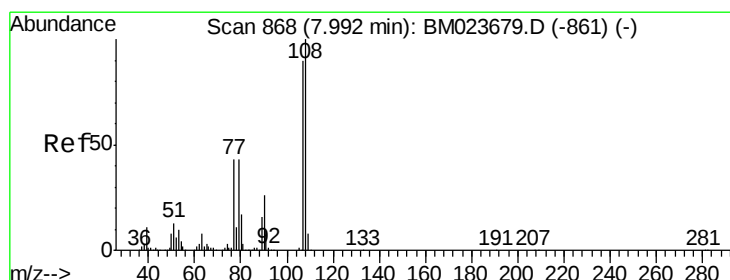
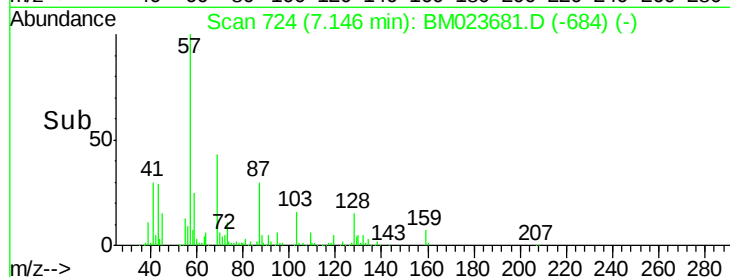
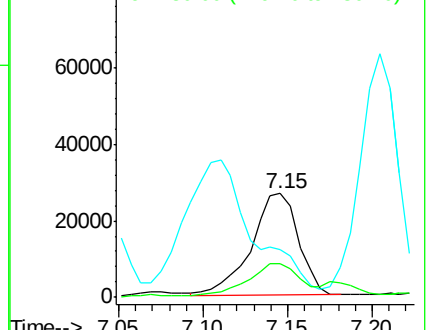
130 32.9 26.4 39.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 3.203 ng/ul

RT: 8.06 min Scan# 880

Delta R.T. 0.07 min

Lab File: BM023681.D

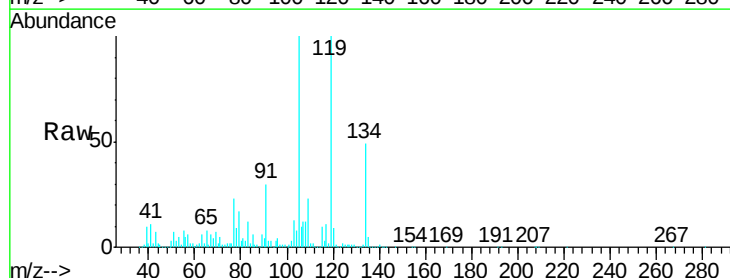
Acq: 13 Nov 2019 01:38

Tgt Ion:108 Resp: 121194

Ion Ratio Lower Upper

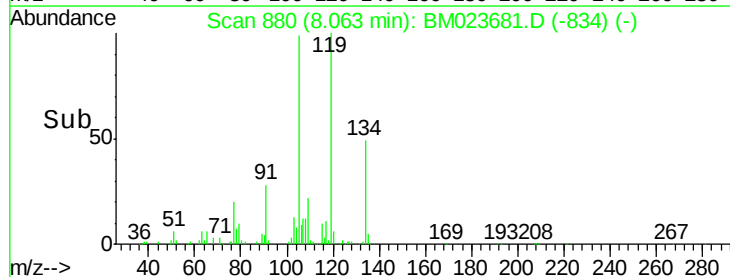
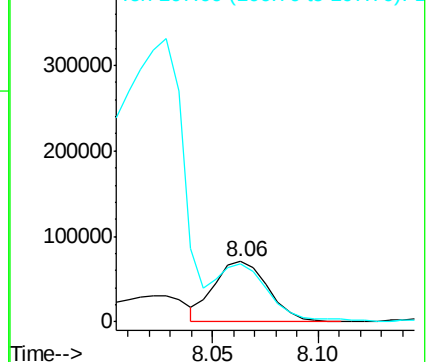
108 100

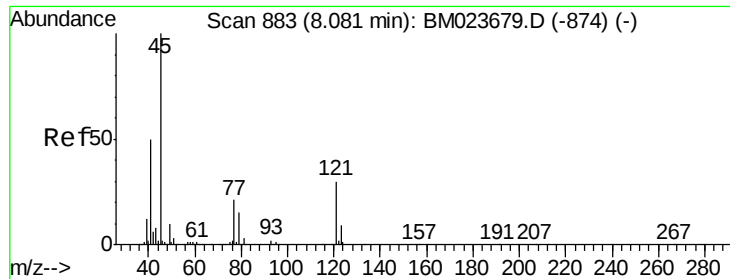
107 97.2 71.4 107.2



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

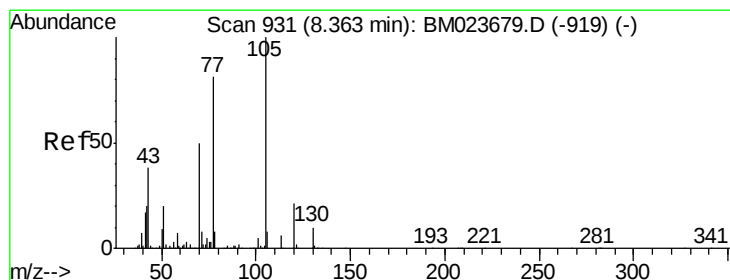
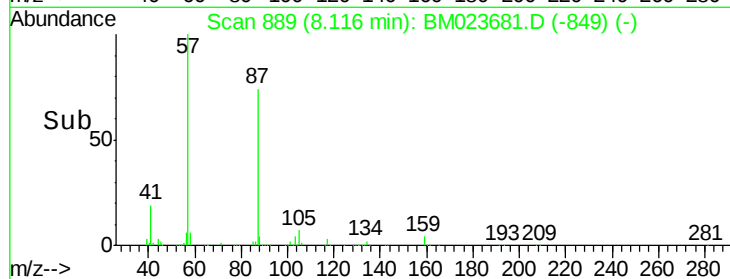
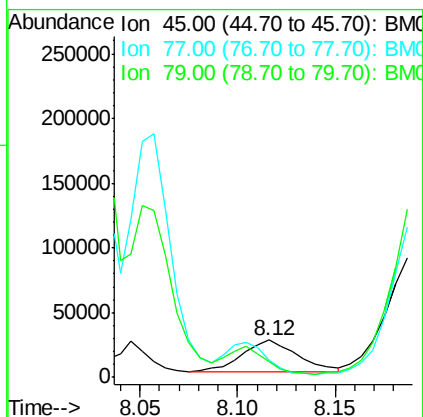
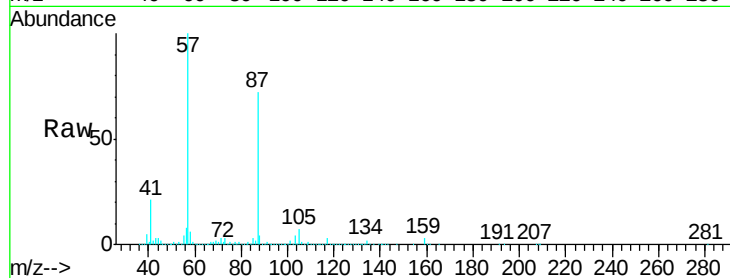




#12  
 2,2'-oxybis(1-chloropropane)  
 Concen: 1.241 ng/ul  
 RT: 8.12 min Scan# 889  
 Delta R.T. 0.04 min  
 Lab File: BM023681.D  
 Acq: 13 Nov 2019 01:38

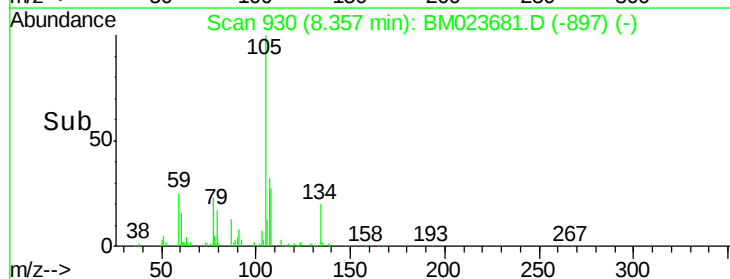
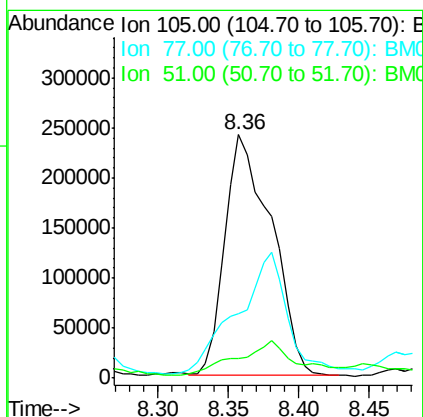
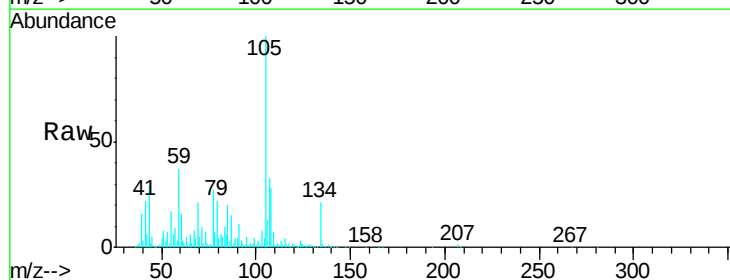
Instrument :  
 BNA\_M  
 ClientSampleID :  
 BEJP0

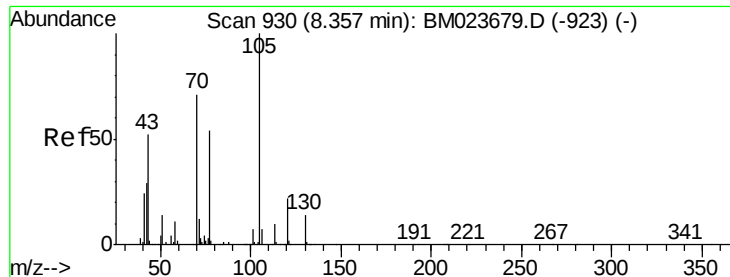
Tgt Ion: 45 Resp: 46990  
 Ion Ratio Lower Upper  
 45 100  
 77 46.1 17.4 26.0#  
 79 41.3 13.9 20.9#



#14  
 Acetophenone  
 Concen: 9.074 ng/ul  
 RT: 8.36 min Scan# 930  
 Delta R.T. -0.01 min  
 Lab File: BM023681.D  
 Acq: 13 Nov 2019 01:38

Tgt Ion: 105 Resp: 555486  
 Ion Ratio Lower Upper  
 105 100  
 77 26.7 63.8 95.6#  
 51 8.0 16.3 24.5#

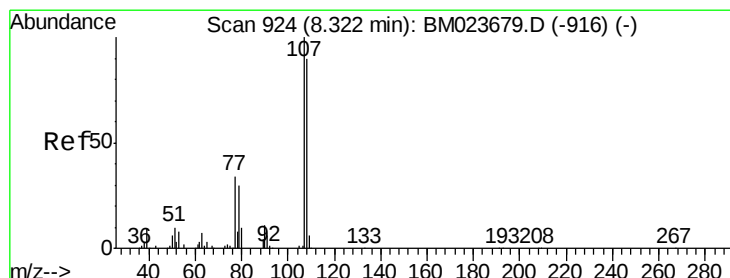
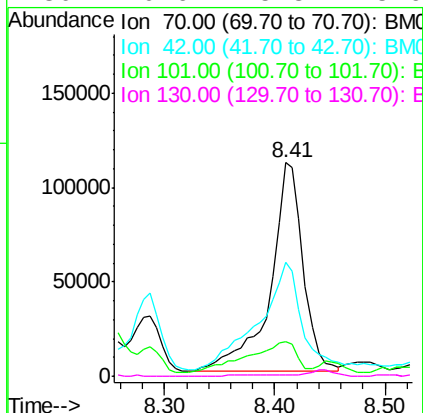
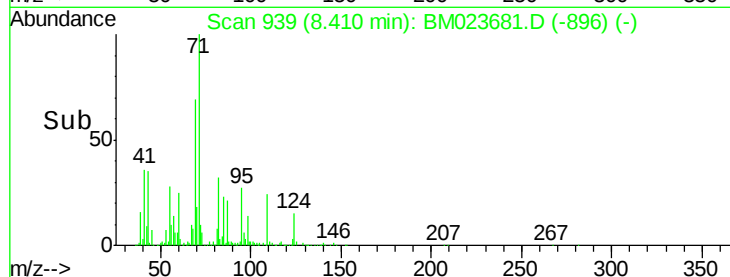
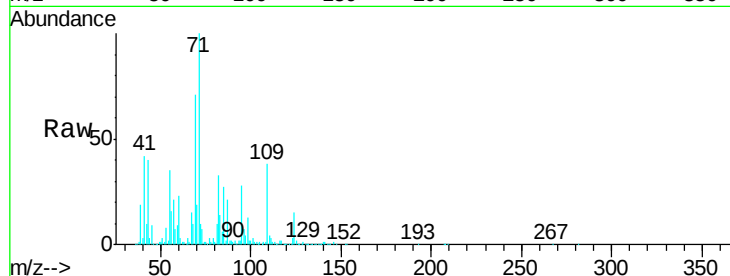




#15  
N-Nitroso-di-n-propylamine  
Concen: 7.126 ng/ul  
RT: 8.41 min Scan# 939  
Delta R.T. 0.05 min  
Lab File: BM023681.D  
Acq: 13 Nov 2019 01:38

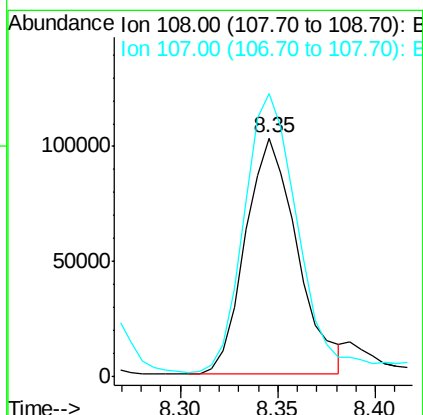
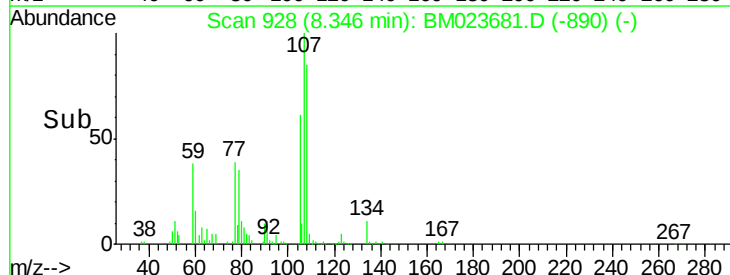
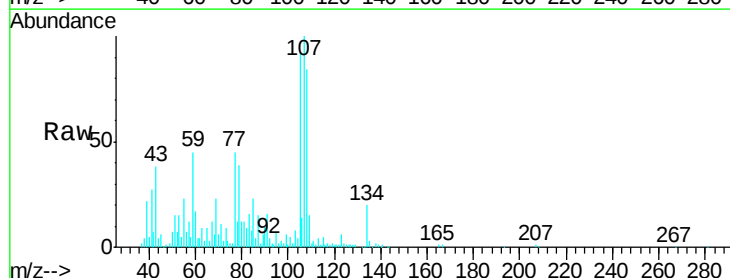
Instrument :  
BNA\_M  
ClientSampleId :  
BEJP0

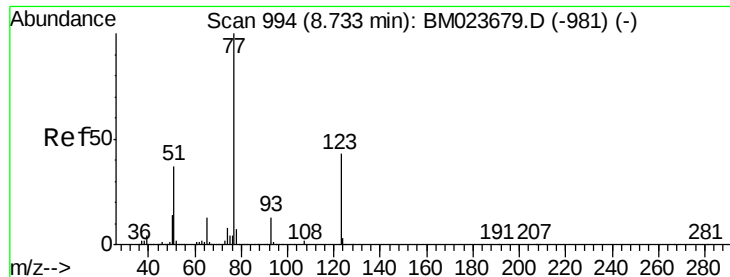
Tgt Ion: 70 Resp: 229192  
Ion Ratio Lower Upper  
70 100  
42 53.4 32.1 48.1#  
101 16.1 7.4 11.2#  
130 0.6 15.8 23.6#



#16  
4-Methylphenol  
Concen: 4.527 ng/ul  
RT: 8.35 min Scan# 928  
Delta R.T. 0.02 min  
Lab File: BM023681.D  
Acq: 13 Nov 2019 01:38

Tgt Ion: 108 Resp: 189638  
Ion Ratio Lower Upper  
108 100  
107 118.6 89.8 134.6





#20

Nitrobenzene

Concen: 1.903 ng/ul

RT: 8.72 min Scan# 992

Delta R.T. -0.01 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

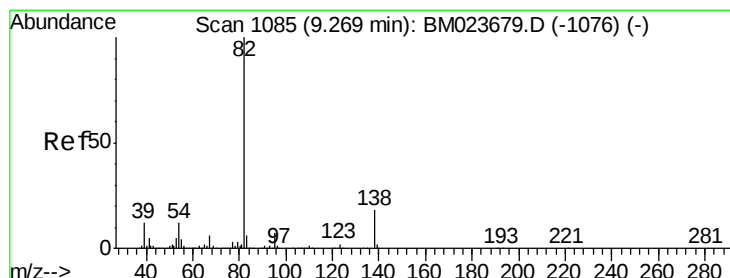
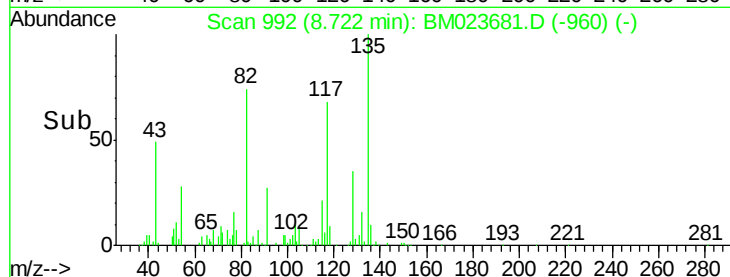
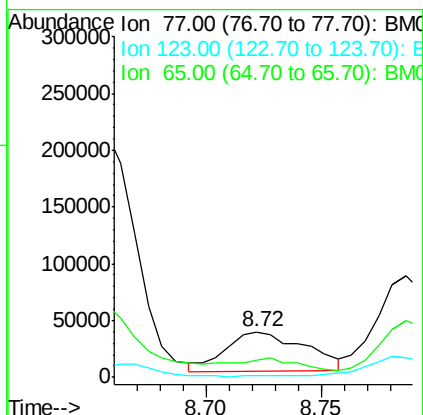
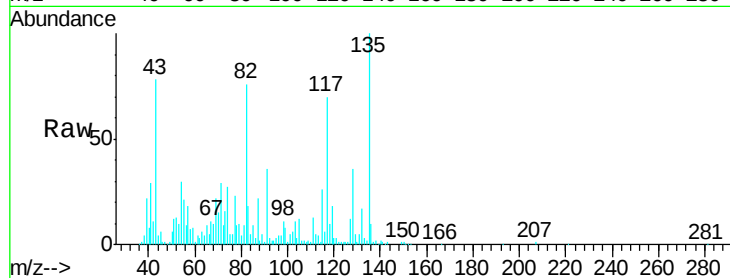
Tgt Ion: 77 Resp: 84808

Ion Ratio Lower Upper

77 100

123 2.7 33.1 49.7#

65 38.4 9.8 14.8#



#21

Isophorone

Concen: 3.830 ng/ul

RT: 9.27 min Scan# 1086

Delta R.T. 0.01 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

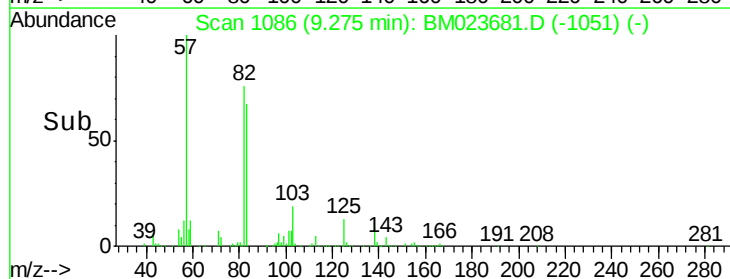
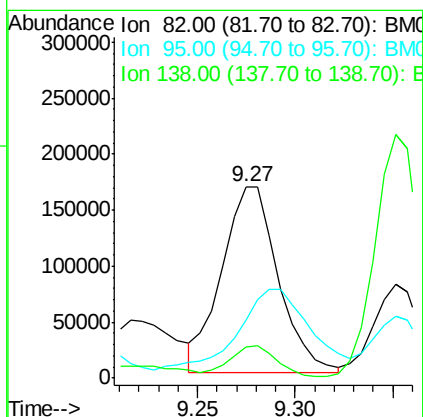
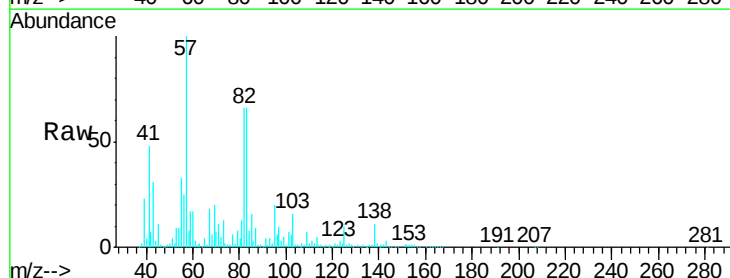
Tgt Ion: 82 Resp: 332884

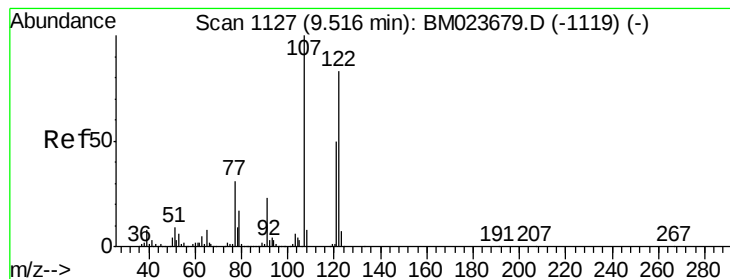
Ion Ratio Lower Upper

82 100

95 30.3 5.8 8.8#

138 16.2 13.4 20.2





#24

2,4-Dimethylphenol

Concen: 39.311 ng/ul

RT: 9.54 min Scan# 1131

Delta R.T. 0.02 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

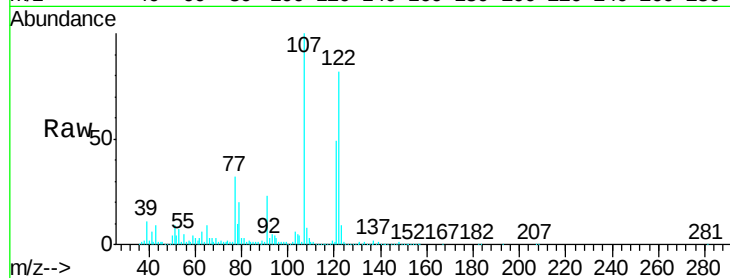
Tgt Ion:107 Resp: 1769894

Ion Ratio Lower Upper

107 100

121 49.1 38.6 57.8

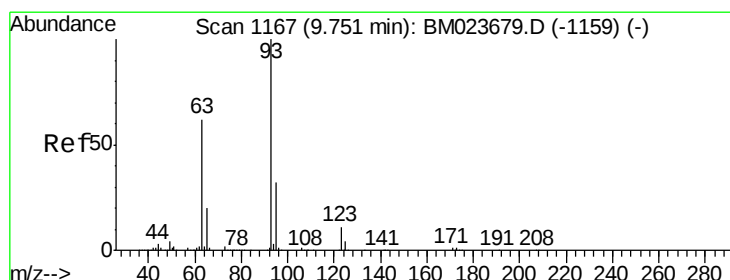
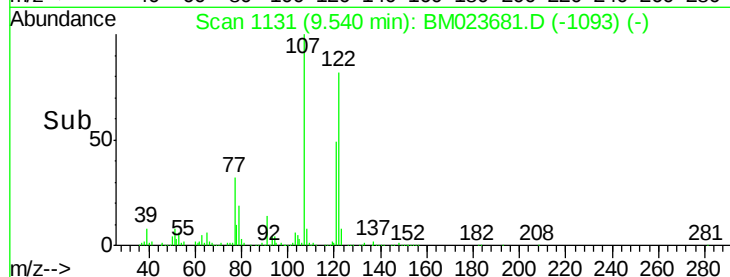
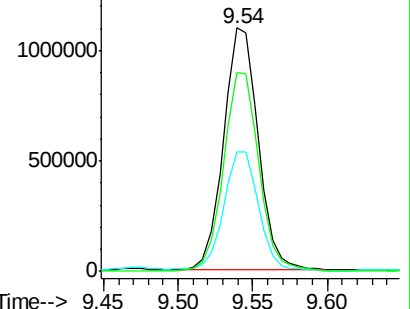
122 81.8 65.9 98.9



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: 29.442 ng/ul

RT: 9.76 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

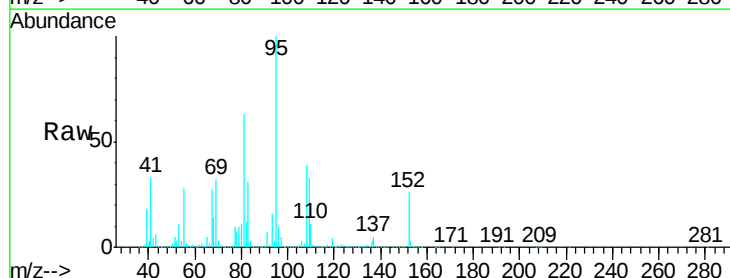
Tgt Ion: 93 Resp: 1605962

Ion Ratio Lower Upper

93 100

95 625.3 25.7 38.5#

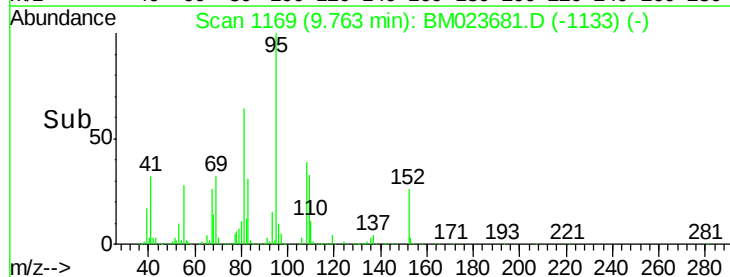
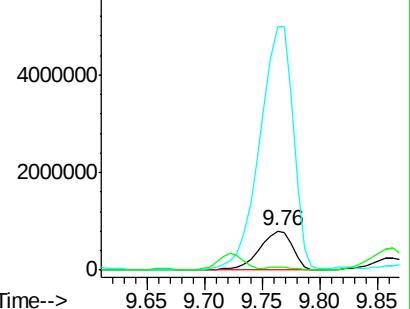
123 7.7 8.3 12.5#

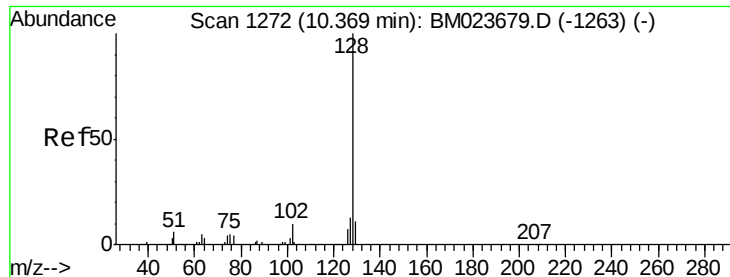


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#28

Naphthalene

Concen: 9.823 ng/ul

RT: 10.37 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

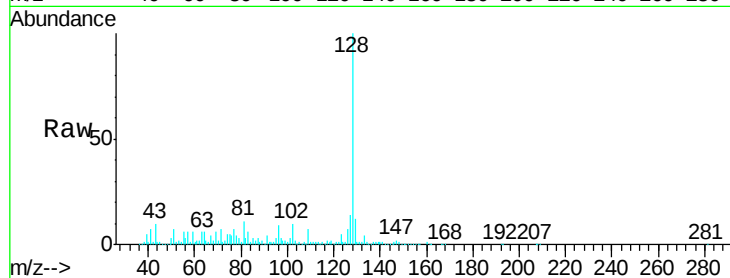
Tgt Ion:128 Resp: 1215492

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

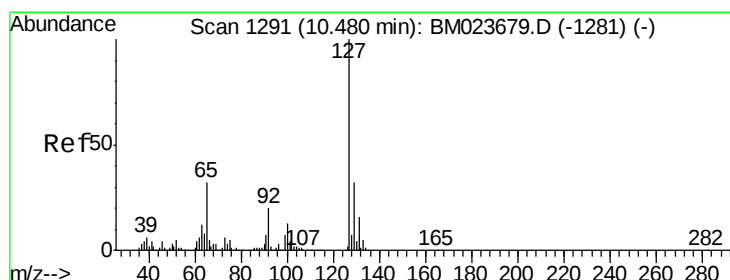
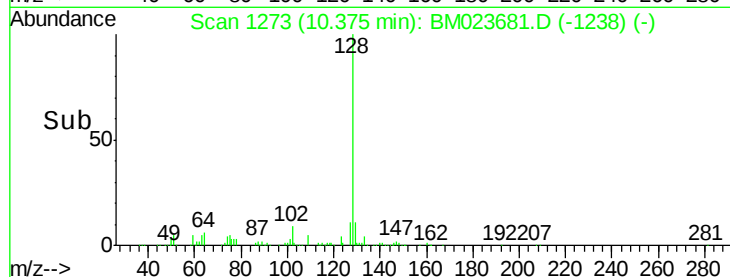
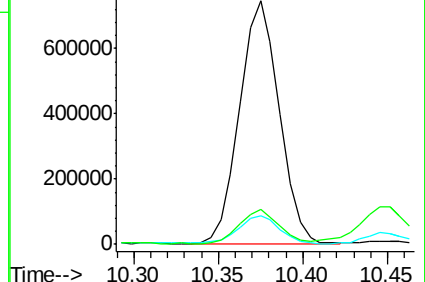
127 14.1 10.6 16.0



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: 5.252 ng/ul

RT: 10.45 min Scan# 1286

Delta R.T. -0.03 min

Lab File: BM023681.D

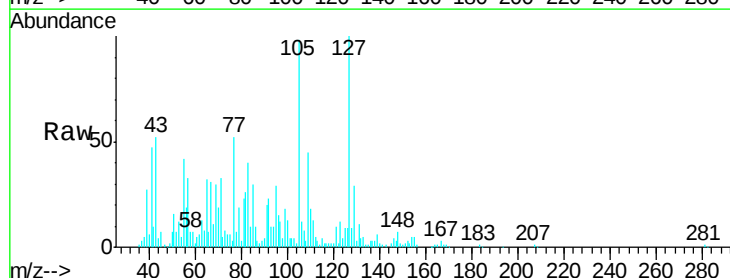
Acq: 13 Nov 2019 01:38

Tgt Ion:127 Resp: 239421

Ion Ratio Lower Upper

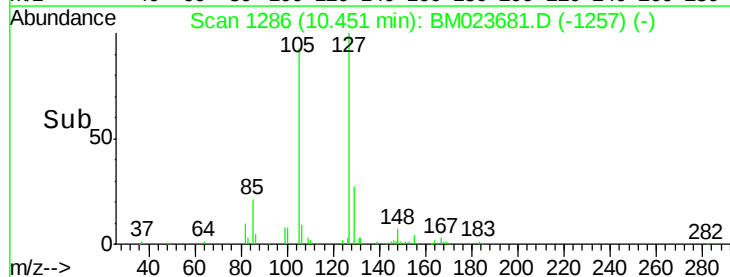
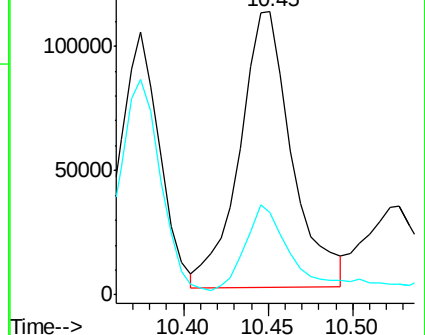
127 100

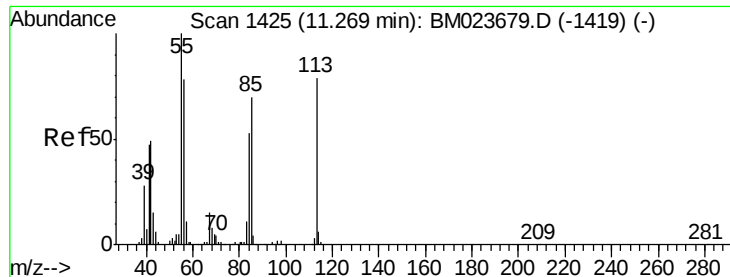
129 29.3 26.1 39.1



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 1.560 ng/ul

RT: 11.29 min Scan# 1428

Delta R.T. 0.02 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

Instrument :

BNA\_M

ClientSampleId :

BEJP0

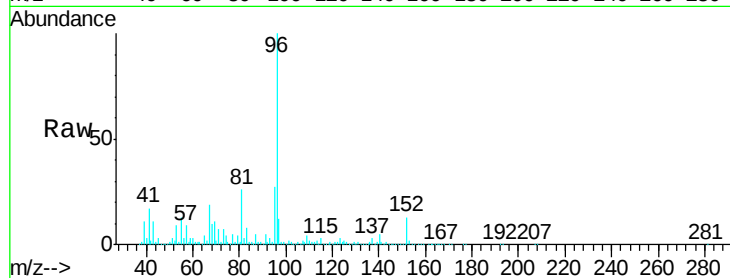
Tgt Ion:113 Resp: 19646

Ion Ratio Lower Upper

113 100

55 635.4 105.8 158.6#

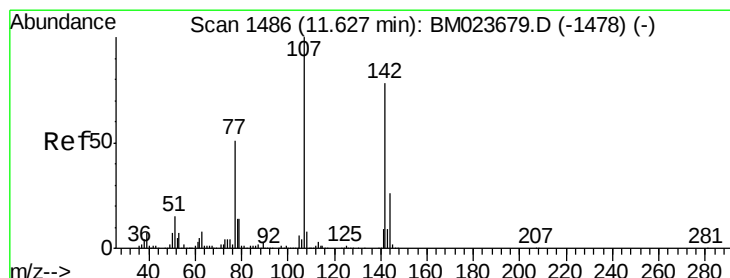
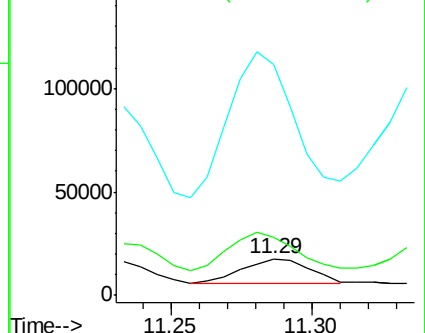
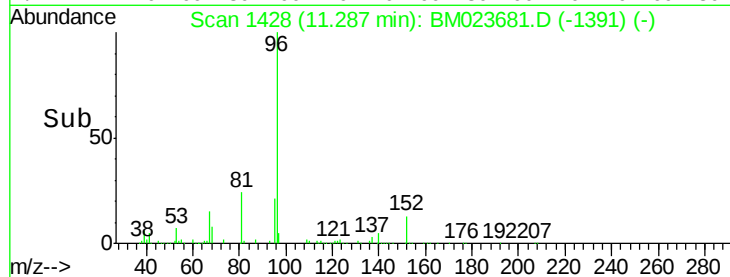
56 160.7 83.0 124.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#33

4-Chloro-3-methylphenol

Concen: 44.782 ng/ul

RT: 11.70 min Scan# 1499

Delta R.T. 0.08 min

Lab File: BM023681.D

Acq: 13 Nov 2019 01:38

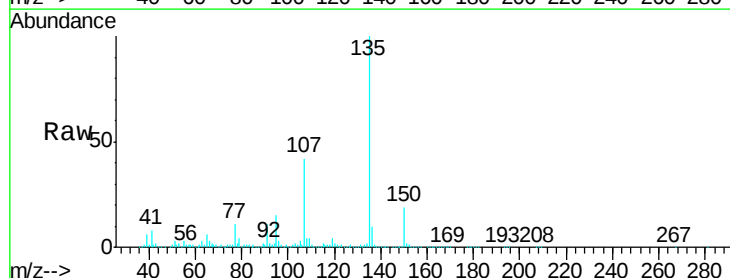
Tgt Ion:107 Resp: 1931004

Ion Ratio Lower Upper

107 100

144 0.0 20.6 30.8#

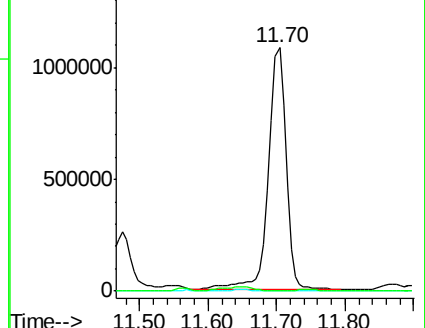
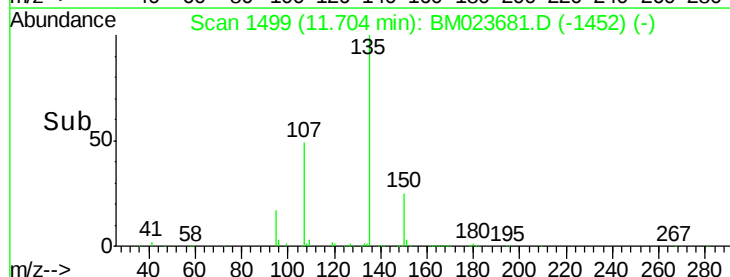
142 0.1 62.9 94.3#

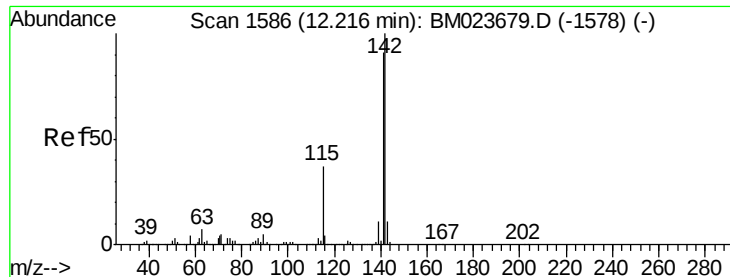


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

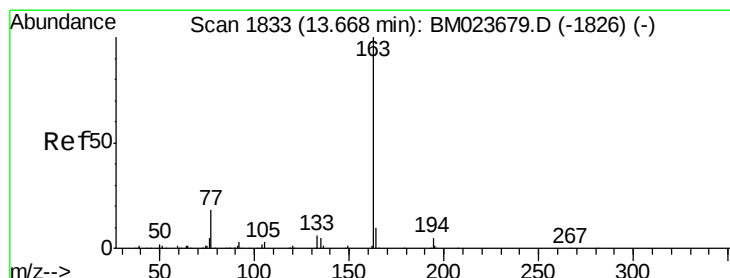
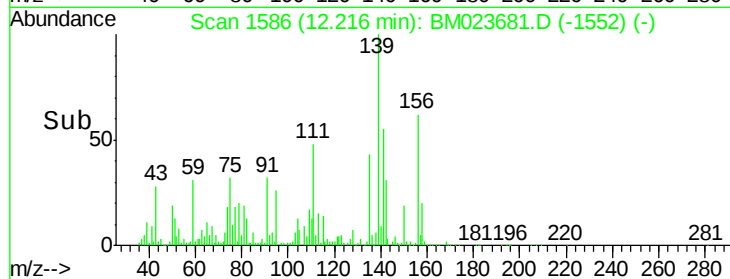
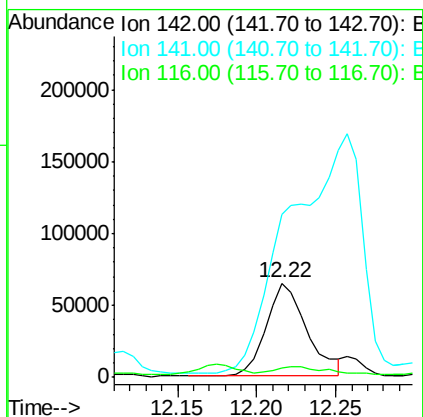
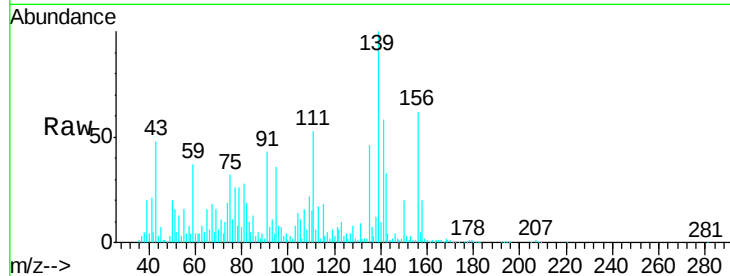




#35  
 1-Methylnaphthalene  
 Concen: 1.238 ng/ul  
 RT: 12.22 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: BM023681.D  
 Acq: 13 Nov 2019 01:38

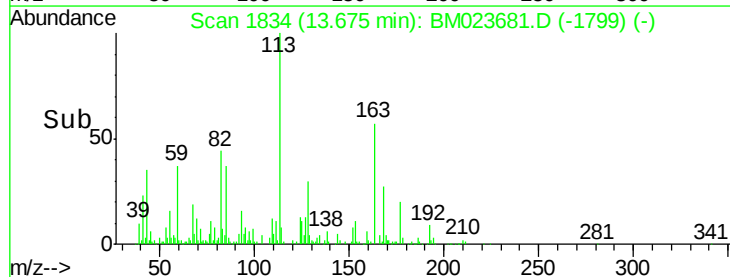
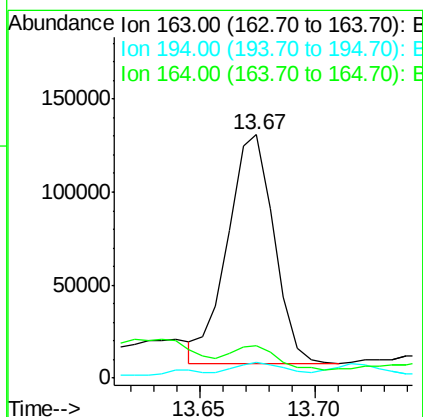
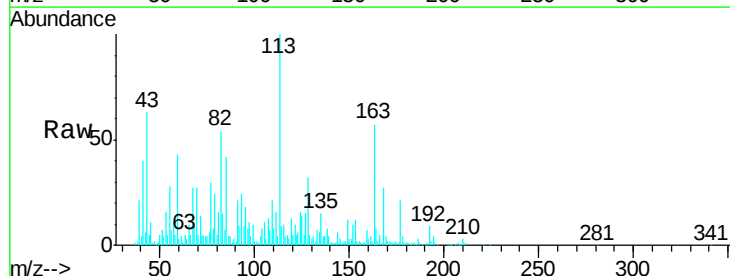
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEJP0

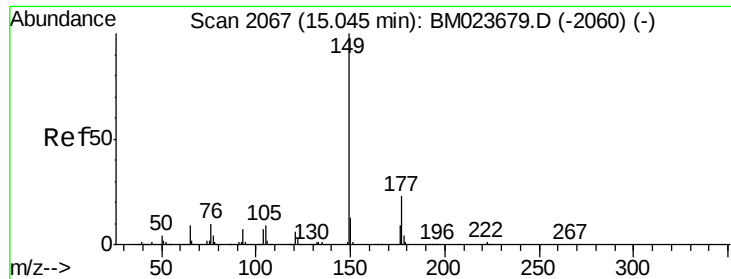
Tgt Ion:142 Resp: 115561  
 Ion Ratio Lower Upper  
 142 100  
 141 172.7 74.6 112.0#  
 116 9.9 3.2 4.8#



#45  
 Dimethylphthalate  
 Concen: 1.460 ng/ul  
 RT: 13.67 min Scan# 1834  
 Delta R.T. 0.01 min  
 Lab File: BM023681.D  
 Acq: 13 Nov 2019 01:38

Tgt Ion:163 Resp: 172579  
 Ion Ratio Lower Upper  
 163 100  
 194 6.6 3.4 5.2#  
 164 13.6 8.0 12.0#

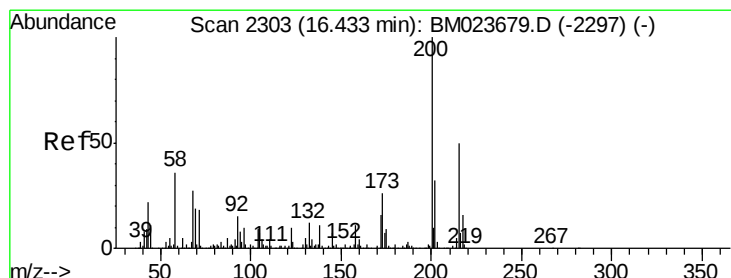
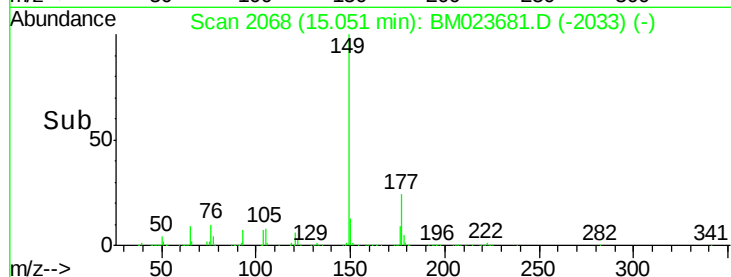
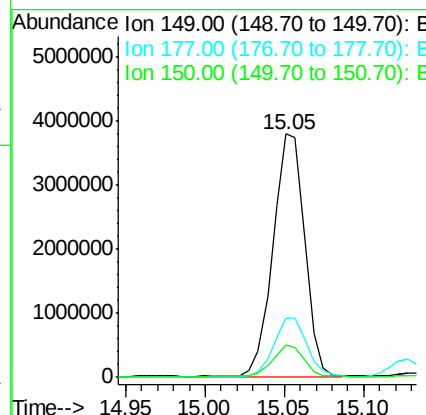
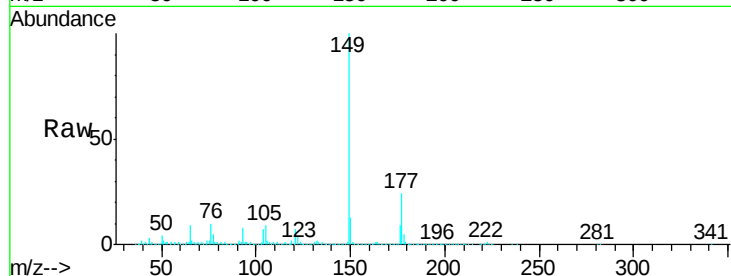




#57  
Diethylphthalate  
Concen: 45.310 ng/ul  
RT: 15.05 min Scan# 2068  
Delta R.T. 0.01 min  
Lab File: BM023681.D  
Acq: 13 Nov 2019 01:38

Instrument :  
BNA\_M  
ClientSampleId :  
BEJP0

Tgt Ion:149 Resp: 5256439  
Ion Ratio Lower Upper  
149 100  
177 24.2 18.9 28.3  
150 13.1 9.9 14.9



#68  
Atrazine  
Concen: 2.192 ng/ul  
RT: 16.45 min Scan# 2305  
Delta R.T. 0.01 min  
Lab File: BM023681.D  
Acq: 13 Nov 2019 01:38

Tgt Ion:200 Resp: 72291  
Ion Ratio Lower Upper  
200 100  
173 10.4 20.6 30.8#  
215 1.9 39.7 59.5#

