

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071416\  
 Data File : BM006420.D  
 Acq On : 14 Jul 2016 20:31  
 Operator : UM/SJ  
 Sample : H3990-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJ62

Quant Time: Jul 15 04:35:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 15 04:34:07 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 108790   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 451481   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.27 | 164  | 275420   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 672522   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.22 | 240  | 835669   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.42 | 264  | 888211   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 5326    | 2.06  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 236371  | 26.51 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 145198  | 26.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 190686  | 26.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 176603  | 24.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 88629   | 25.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 99986   | 25.84 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 180704  | 24.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 208755  | 27.36 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.69 | 166 | 629395  | 27.92 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 760061  | 27.27 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 87431   | 22.33 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.27 | 176 | 548171  | 27.36 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 70511   | 18.12 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 871512  | 27.42 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 1048788 | 27.68 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.29 | 264 | 1161704 | 28.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 6) Phenol                      | 6.83  | 94  | 7520   | 0.80  | ng/ul# | 78  |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 674    | 0.10  | ng/ul# | 68  |
| 14) Acetophenone               | 8.45  | 105 | 1189   | 0.11  | ng/ul# | 78  |
| 15) N-Nitroso-di-n-propylamine | 8.33  | 70  | 5024   | 0.85  | ng/ul# | 1   |
| 20) Nitrobenzene               | 8.77  | 77  | 852    | 0.09  | ng/ul# | 42  |
| 21) Isophorone                 | 9.49  | 82  | 10463  | 0.64  | ng/ul# | 73  |
| 28) Naphthalene                | 10.45 | 128 | 5570   | 0.24  | ng/ul# | 82  |
| 30) 4-Chloroaniline            | 10.45 | 127 | 560    | 0.07  | ng/ul# | 33  |
| 32) Caprolactam                | 11.35 | 113 | 130    | 0.06  | ng/ul# | 65  |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 1199   | 0.07  | ng/ul  | 96  |
| 40) 1,1'-Biphenyl              | 13.10 | 154 | 236    | 0.01  | ng/ul# | 44  |
| 44) Dimethylphthalate          | 13.73 | 163 | 257225 | 11.25 | ng/ul  | 100 |
| 45) 2,6-Dinitrotoluene         | 13.73 | 165 | 2731   | 0.60  | ng/ul# | 28  |
| 47) Acenaphthylene             | 13.99 | 152 | 11209  | 0.39  | ng/ul# | 91  |
| 49) Acenaphthene               | 14.33 | 153 | 4590   | 0.25  | ng/ul  | 88  |
| 53) Dibenzofuran               | 14.68 | 168 | 2356   | 0.09  | ng/ul# | 78  |
| 56) Diethylphthalate           | 15.10 | 149 | 1101   | 0.05  | ng/ul# | 59  |
| 58) Fluorene                   | 15.32 | 166 | 4323   | 0.20  | ng/ul# | 86  |
| 64) N-Nitrosodiphenylamine     | 15.41 | 169 | 573    | 0.03  | ng/ul# | 20  |
| 69) Phenanthrene               | 17.06 | 178 | 60608  | 1.64  | ng/ul  | 98  |
| 71) Anthracene                 | 17.16 | 178 | 38174  | 1.00  | ng/ul  | 96  |
| 72) Carbazole                  | 17.43 | 167 | 7029   | 0.22  | ng/ul# | 94  |
| 73) Di-n-butylphthalate        | 18.00 | 149 | 6806   | 0.15  | ng/ul# | 87  |

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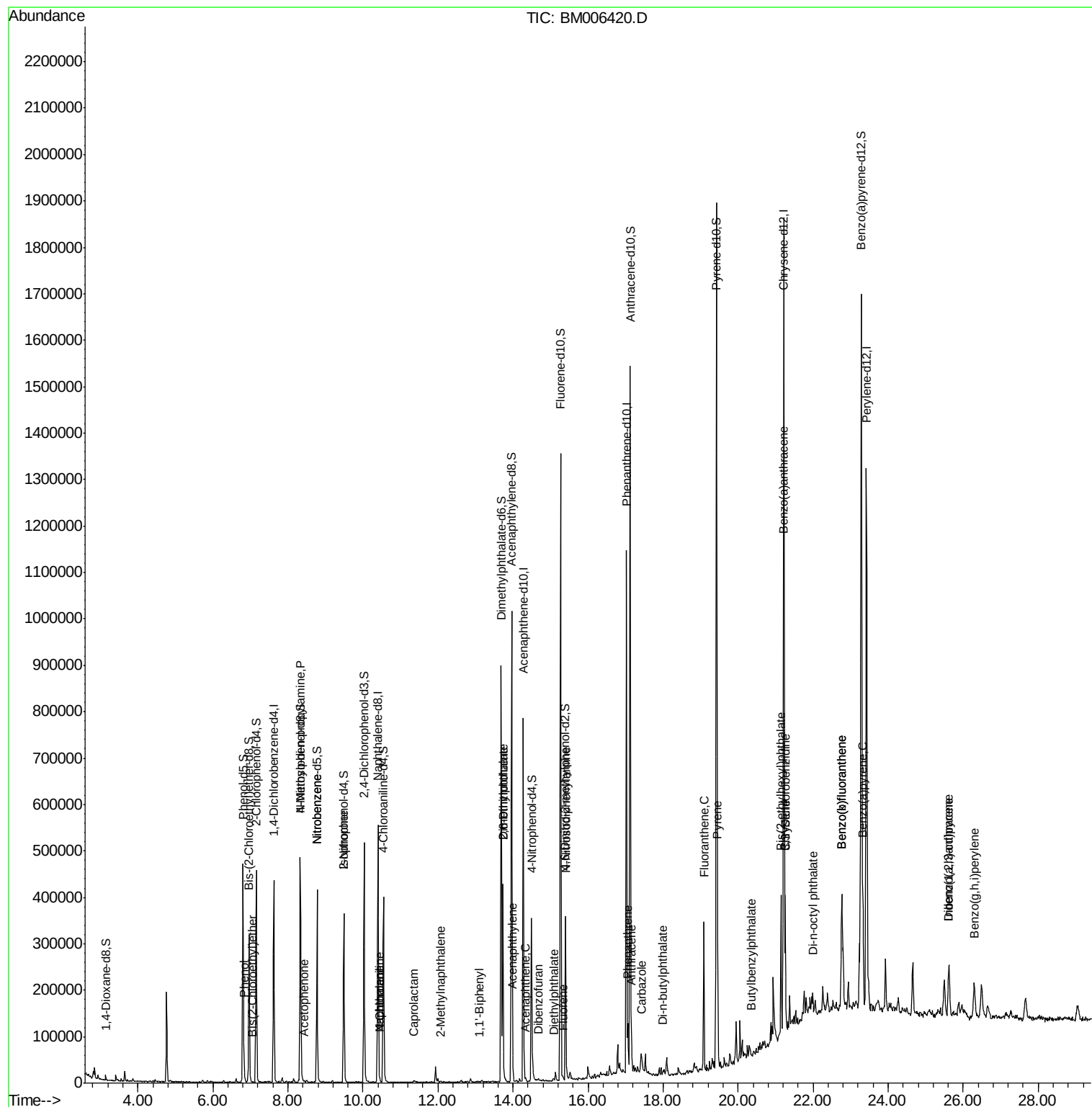
| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| -----                          |       |      |          |      |        |          |
| 74) Fluoranthene               | 19.09 | 202  | 195902   | 4.56 | ng/ul  | 99       |
| 77) Pyrene                     | 19.45 | 202  | 185502   | 3.72 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.36 | 149  | 1512     | 0.07 | ng/ul# | 83       |
| 79) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 1500     | 0.09 | ng/ul# | 15       |
| 80) Benzo(a)anthracene         | 21.20 | 228  | 145469   | 2.85 | ng/ul  | 97       |
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 102435   | 3.36 | ng/ul  | 97       |
| 82) Chrysene                   | 21.26 | 228  | 151464   | 3.15 | ng/ul  | 97       |
| 84) Di-n-octyl phthalate       | 22.01 | 149  | 1618     | 0.03 | ng/ul# | 1        |
| 85) Benzo(b)fluoranthene       | 22.77 | 252  | 193945   | 3.65 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.77 | 252  | 193945   | 3.88 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.33 | 252  | 165525   | 3.26 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 101920   | 1.72 | ng/ul  | 96       |
| 90) Dibenzo(a,h)anthracene     | 25.62 | 278  | 29722    | 0.60 | ng/ul# | 89       |
| 91) Benzo(g,h,i)perylene       | 26.29 | 276  | 90410    | 1.73 | ng/ul# | 96       |
| -----                          |       |      |          |      |        |          |

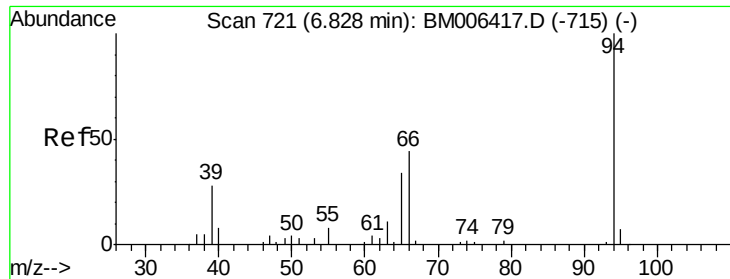
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 0.80 ng/ul

RT: 6.83 min Scan# 721

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

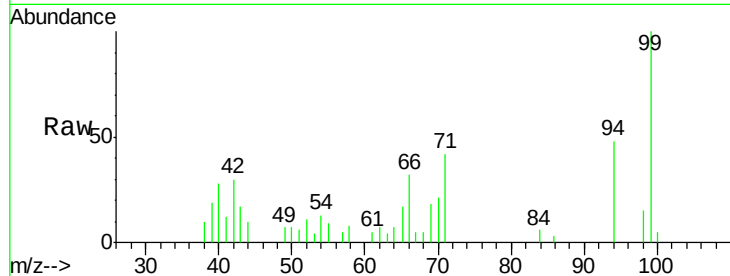
Tgt Ion: 94 Resp: 7520

Ion Ratio Lower Upper

94 100

65 35.7 25.8 38.8

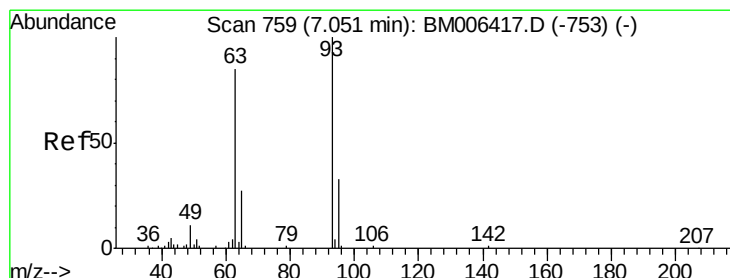
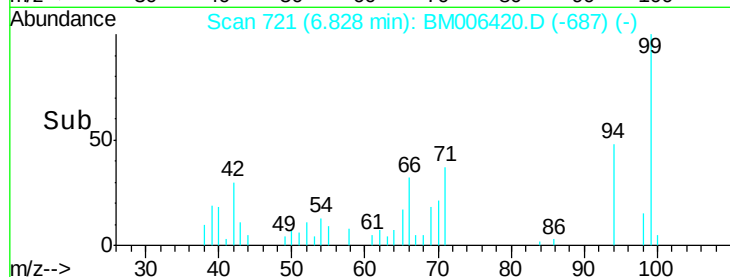
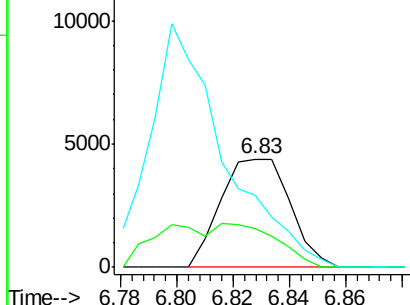
66 66.2 35.7 53.5#



Abundance Ion 94.00 (93.70 to 94.70): BM006417.D (-715) (-)

Ion 65.00 (64.70 to 65.70): BM006417.D (-715) (-)

Ion 66.00 (65.70 to 66.70): BM006417.D (-715) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.10 ng/ul

RT: 7.05 min Scan# 759

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

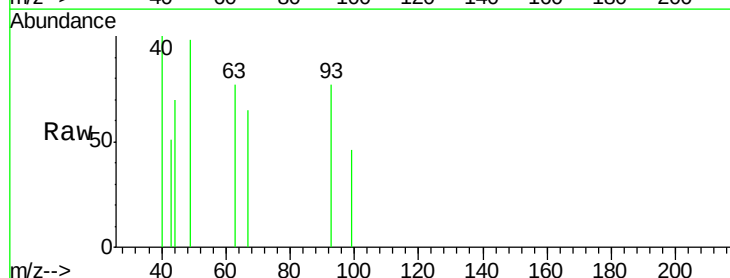
Tgt Ion: 93 Resp: 674

Ion Ratio Lower Upper

93 100

63 99.3 64.2 96.4#

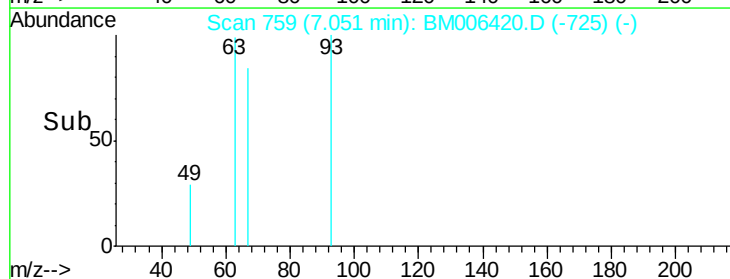
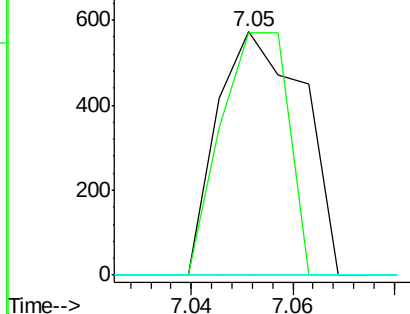
95 0.0 26.0 39.0#

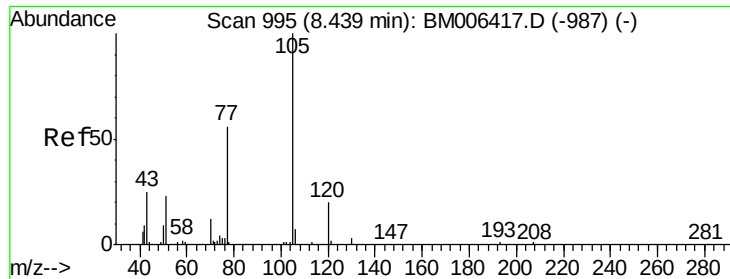


Abundance Ion 93.00 (92.70 to 93.70): BM006417.D (-753) (-)

Ion 63.00 (62.70 to 63.70): BM006417.D (-753) (-)

Ion 95.00 (94.70 to 95.70): BM006417.D (-753) (-)

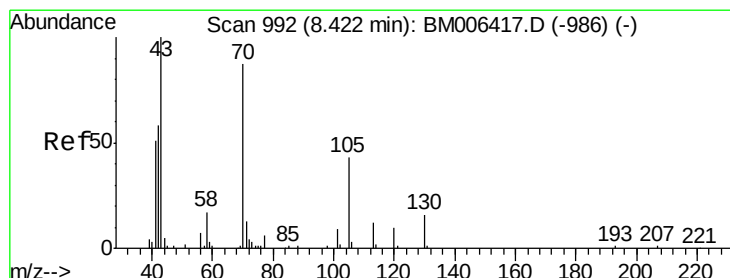
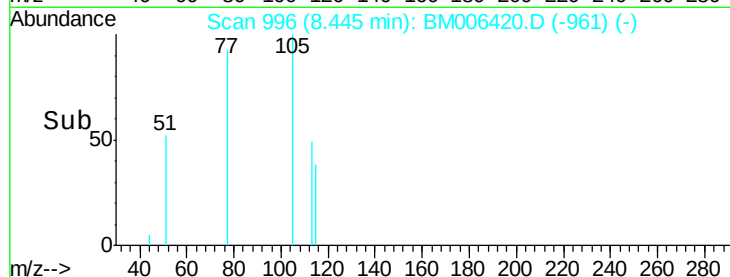
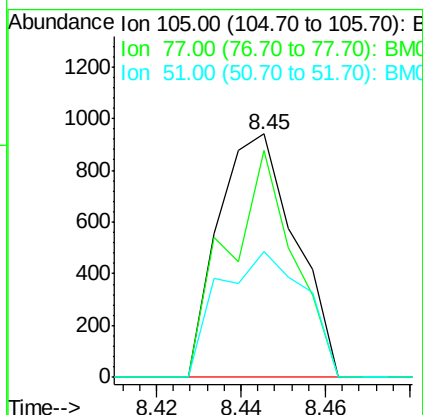
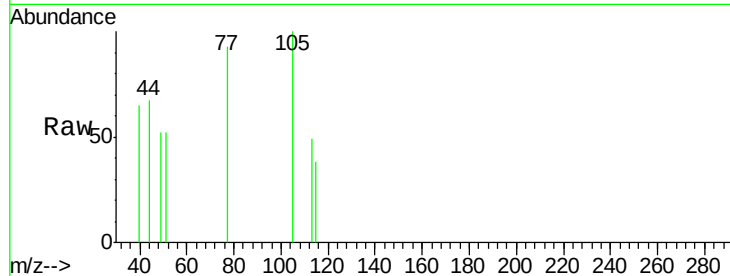




#14  
Acetophenone  
Concen: 0.11 ng/ul  
RT: 8.45 min Scan# 996  
Delta R.T. 0.01 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

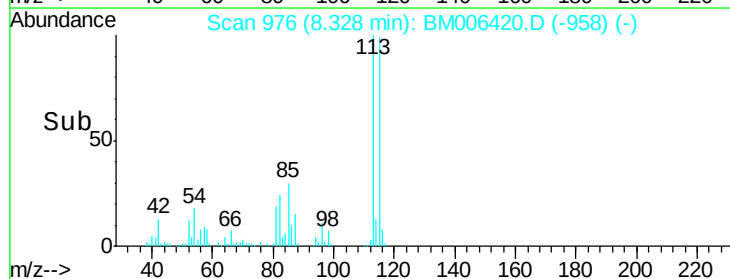
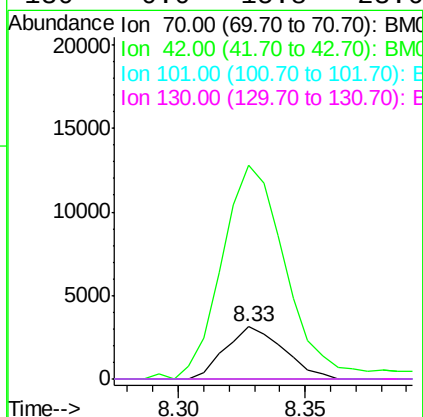
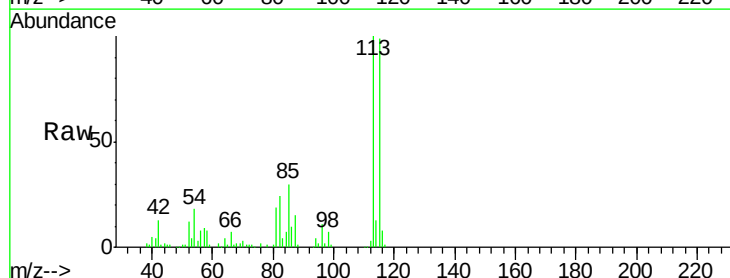
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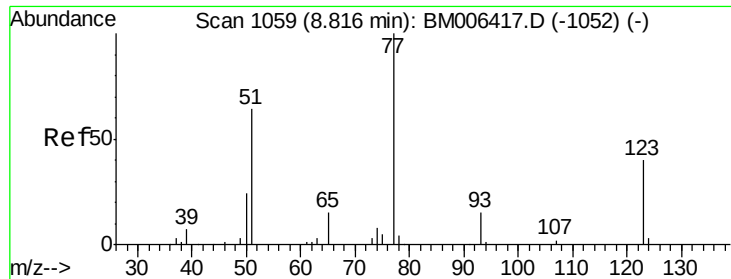
Tgt Ion: 105 Resp: 1189  
Ion Ratio Lower Upper  
105 100  
77 93.2 62.8 94.2  
51 51.9 26.5 39.7#



#15  
N-Nitroso-di-n-propylamine  
Concen: 0.85 ng/ul  
RT: 8.33 min Scan# 976  
Delta R.T. -0.09 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

Tgt Ion: 70 Resp: 5024  
Ion Ratio Lower Upper  
70 100  
42 407.8 50.6 75.8#  
101 0.0 7.9 11.9#  
130 0.0 15.8 23.6#

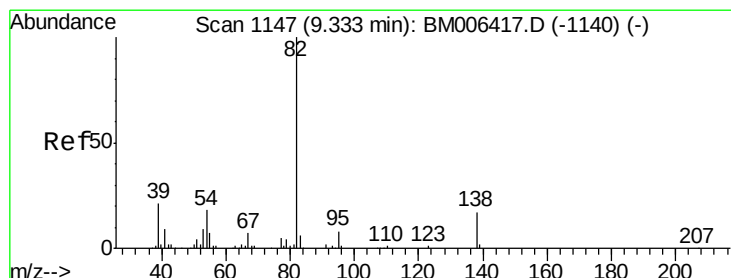
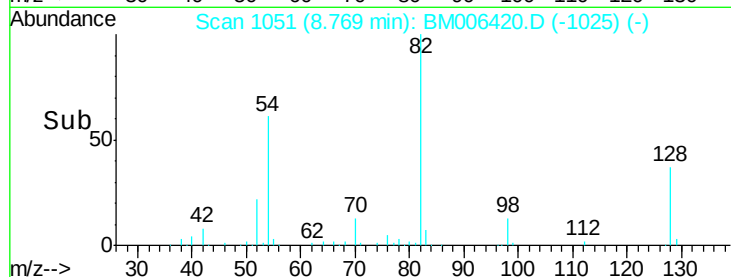
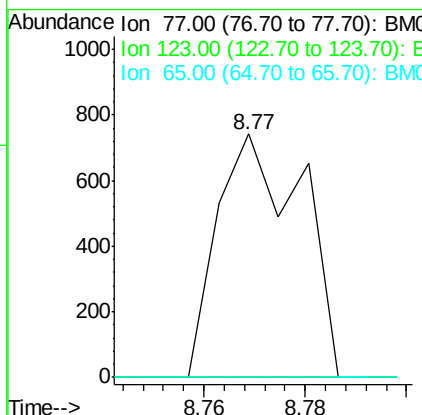
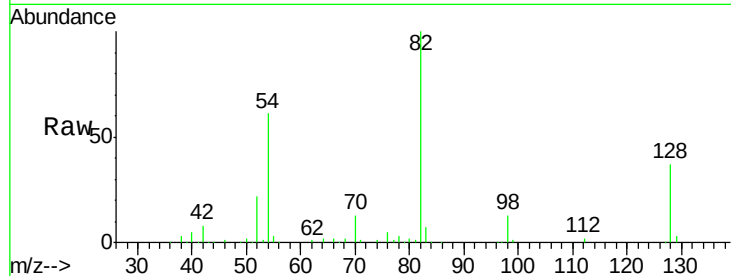




#20  
 Nitrobenzene  
 Concen: 0.09 ng/ul  
 RT: 8.77 min Scan# 1051  
 Delta R.T. -0.05 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

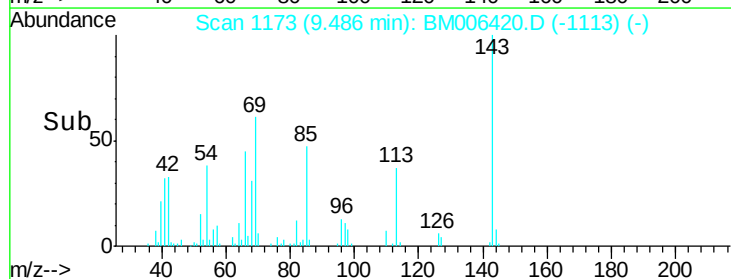
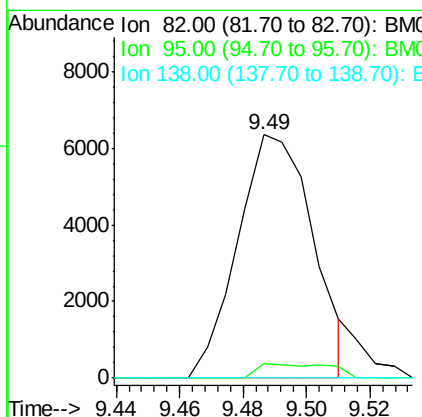
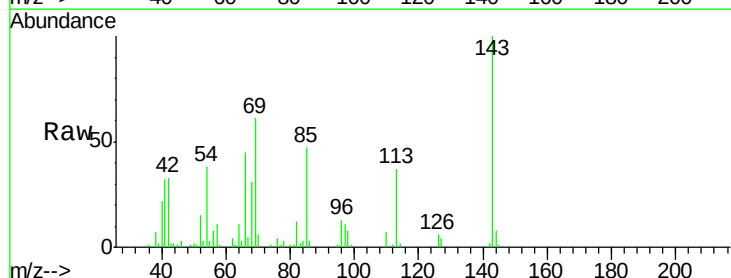
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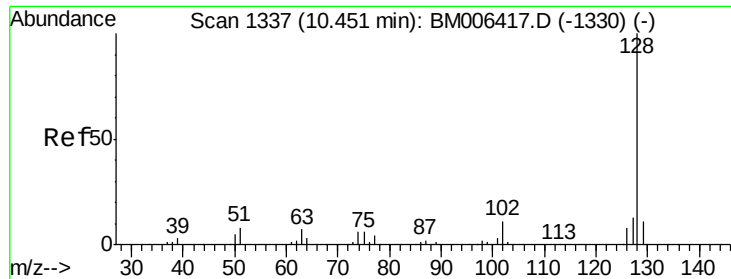
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 33.0  | 49.4# |
| 65      | 0.0   | 11.5  | 17.3# |



#21  
 Isophorone  
 Concen: 0.64 ng/ul  
 RT: 9.49 min Scan# 1173  
 Delta R.T. 0.15 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 6.1   | 6.0   | 9.0   |
| 138     | 0.0   | 13.0  | 19.4# |





#28

Naphthalene

Concen: 0.24 ng/ul

RT: 10.45 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

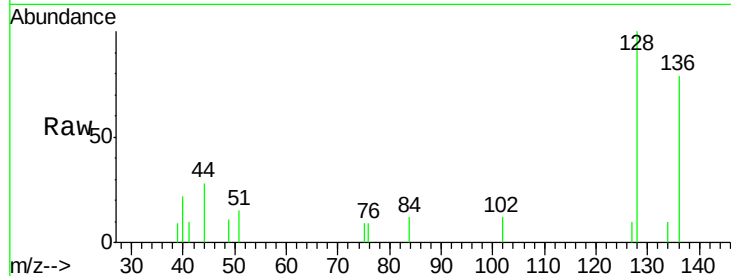
Tgt Ion:128 Resp: 5570

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

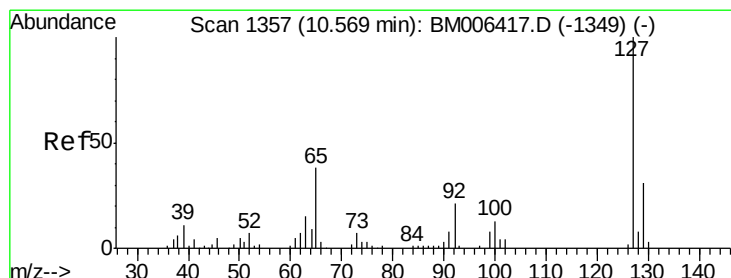
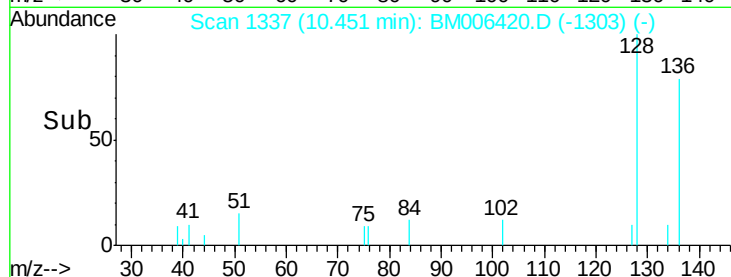
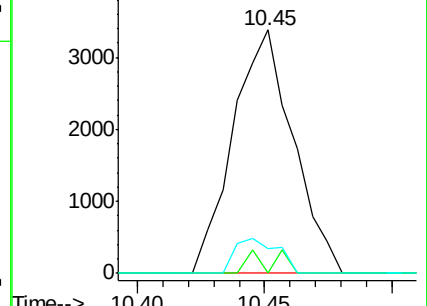
127 10.0 10.9 16.3#



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: 0.07 ng/ul

RT: 10.45 min Scan# 1336

Delta R.T. -0.12 min

Lab File: BM006420.D

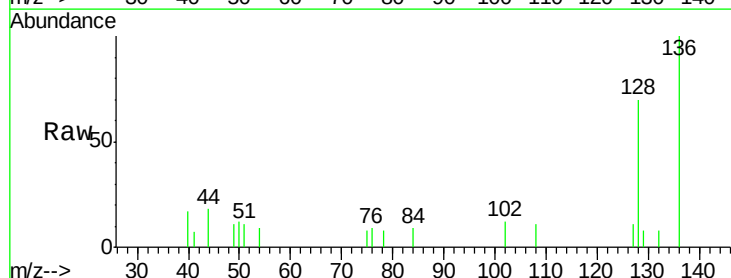
Acq: 14 Jul 2016 20:31

Tgt Ion:127 Resp: 560

Ion Ratio Lower Upper

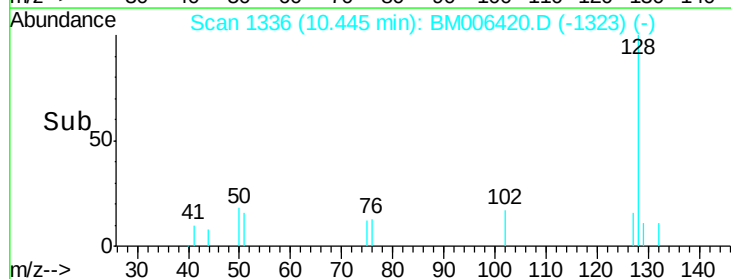
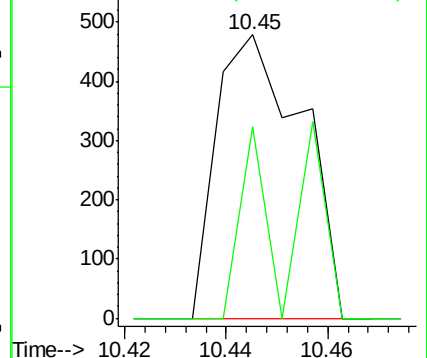
127 100

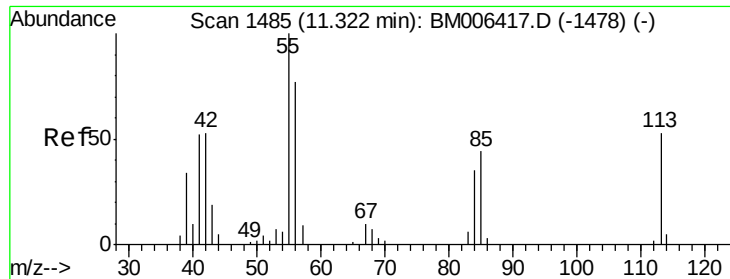
129 67.8 24.6 37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 0.06 ng/ul

RT: 11.35 min Scan# 1489

Delta R.T. 0.02 min

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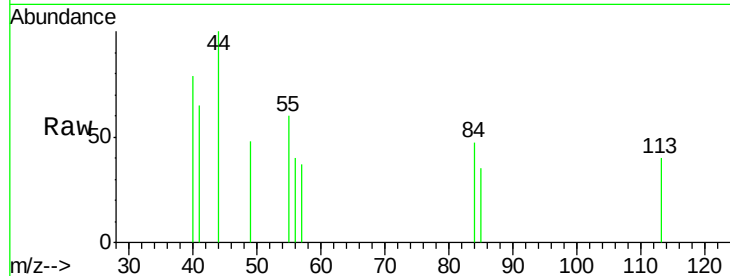
Tgt Ion:113 Resp: 130

Ion Ratio Lower Upper

113 100

55 148.6 155.8 233.8#

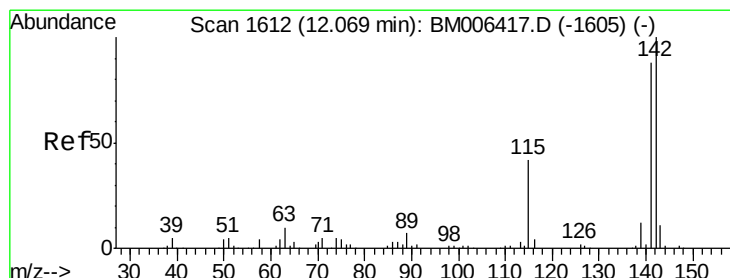
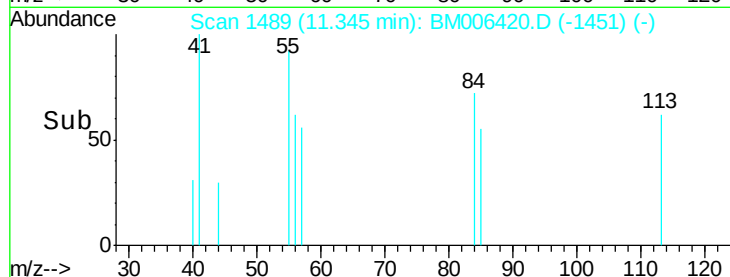
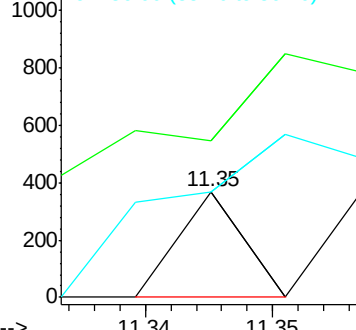
56 99.5 120.5 180.7#



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



#34

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 12.07 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BM006420.D

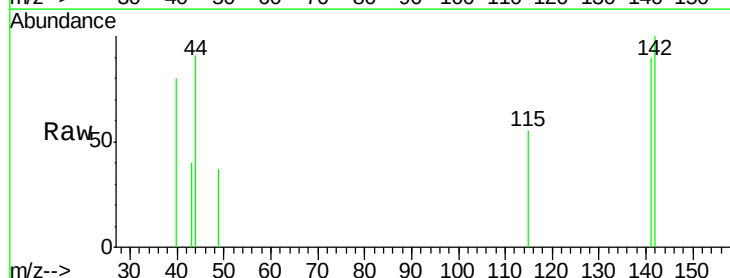
Acq: 14 Jul 2016 20:31

Tgt Ion:142 Resp: 1199

Ion Ratio Lower Upper

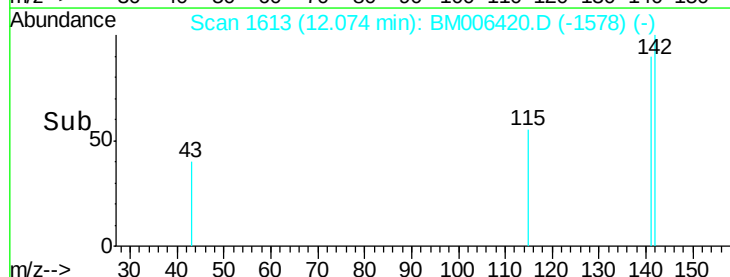
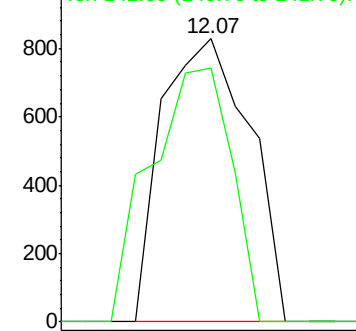
142 100

141 89.9 69.0 103.4

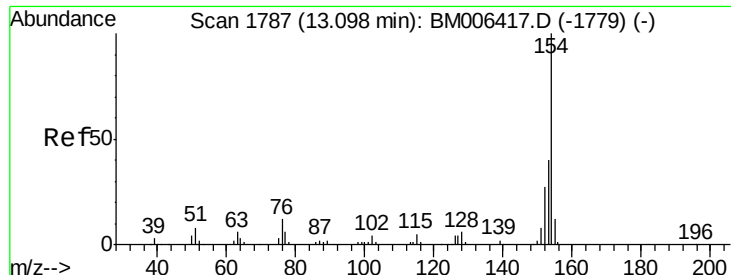


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



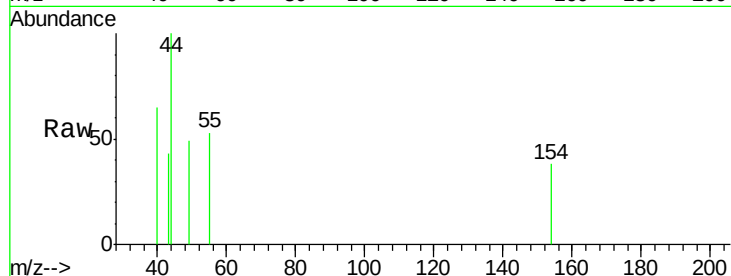




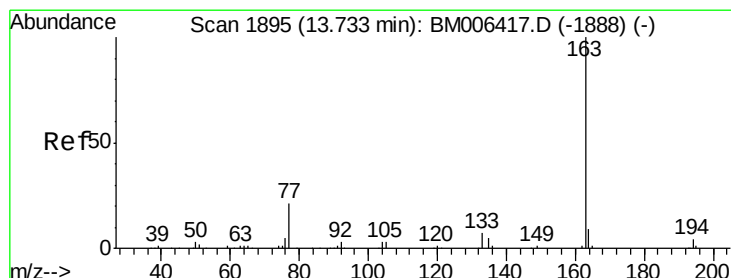
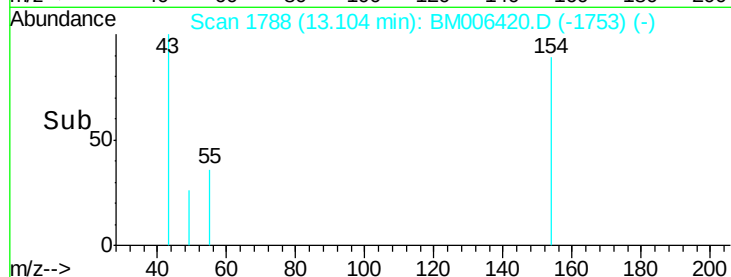
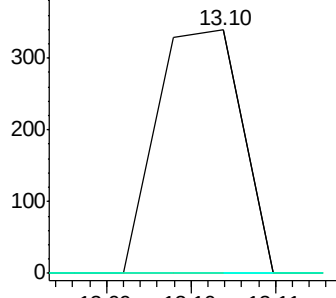
#40  
 1,1'-Biphenyl  
 Concen: 0.01 ng/ul  
 RT: 13.10 min Scan# 1788  
 Delta R.T. 0.01 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJ62

Tgt Ion:154 Resp: 236  
 Ion Ratio Lower Upper  
 154 100  
 153 0.0 31.4 47.2#  
 76 0.0 10.4 15.6#

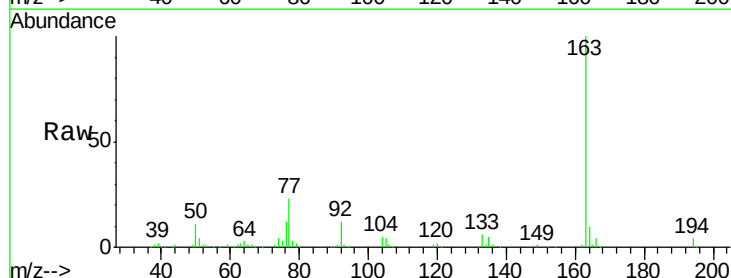


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BM

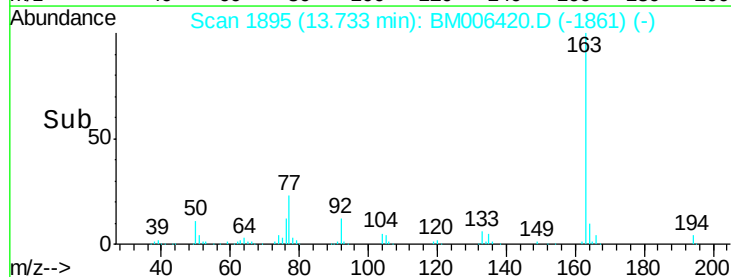
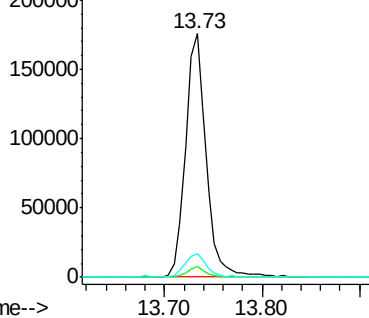


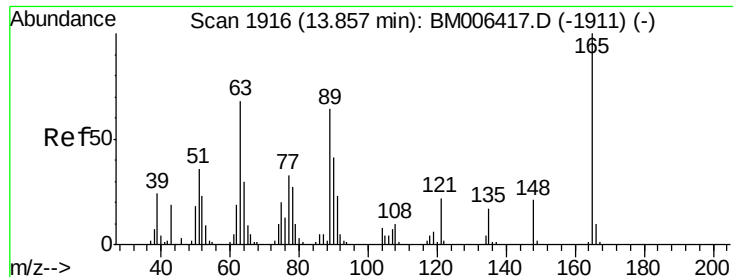
#44  
 Dimethylphthalate  
 Concen: 11.25 ng/ul  
 RT: 13.73 min Scan# 1895  
 Delta R.T. 0.00 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

Tgt Ion:163 Resp: 257225  
 Ion Ratio Lower Upper  
 163 100  
 194 4.1 3.4 5.0  
 164 9.9 7.8 11.8



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

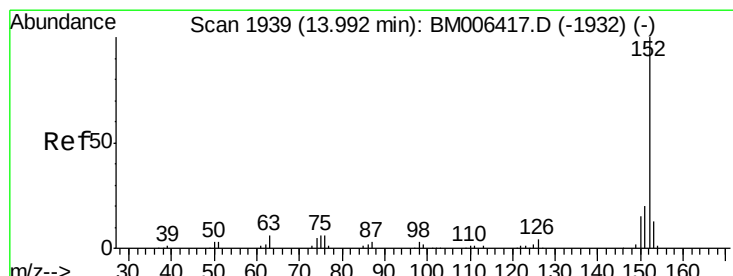
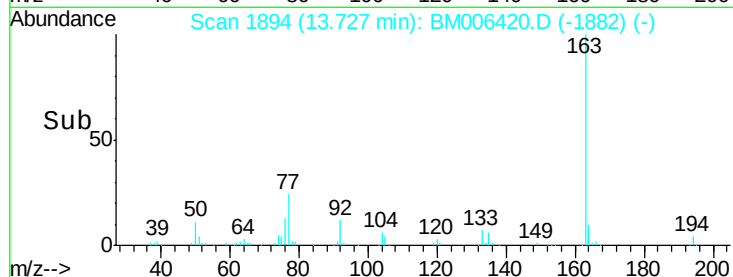
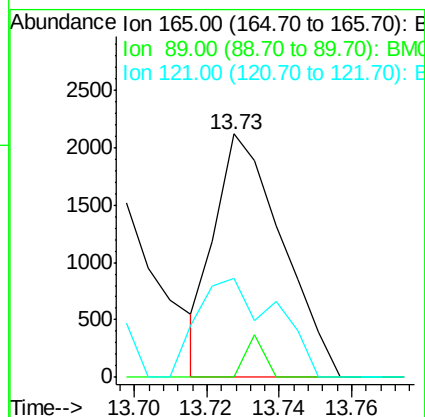
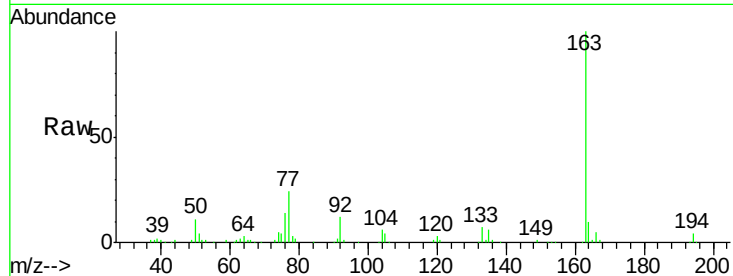




#45  
2,6-Dinitrotoluene  
Concen: 0.60 ng/ul  
RT: 13.73 min Scan# 1894  
Delta R.T. -0.13 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

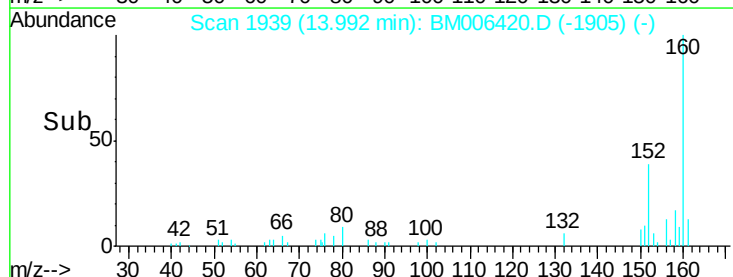
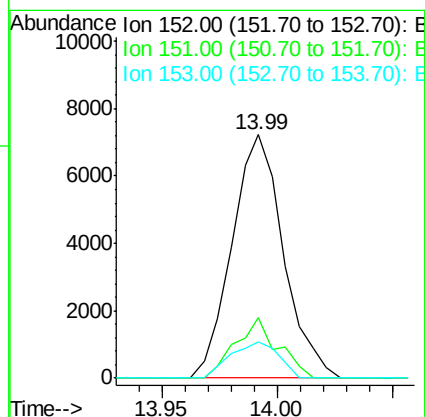
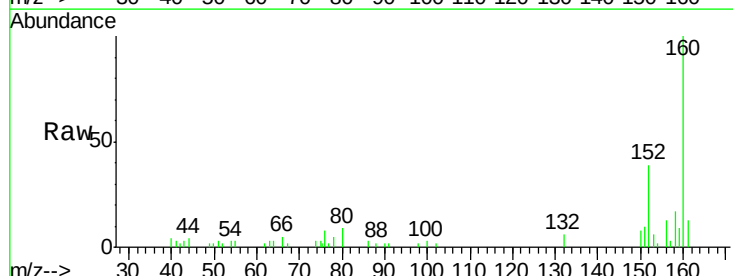
Instrument :  
BNA\_M  
ClientSampleId :  
BDJ62

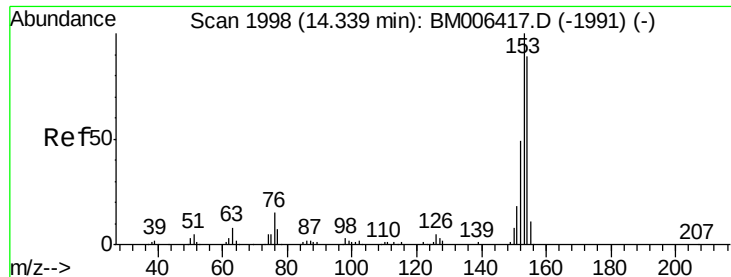
Tgt Ion:165 Resp: 2731  
Ion Ratio Lower Upper  
165 100  
89 0.0 52.1 78.1#  
121 40.8 17.3 25.9#



#47  
Acenaphthylene  
Concen: 0.39 ng/ul  
RT: 13.99 min Scan# 1939  
Delta R.T. 0.00 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

Tgt Ion:152 Resp: 11209  
Ion Ratio Lower Upper  
152 100  
151 24.8 15.6 23.4#  
153 14.8 10.3 15.5





#49

Acenaphthene

Concen: 0.25 ng/ul

RT: 14.33 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

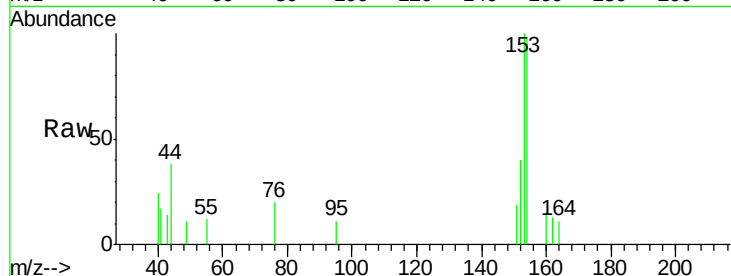
Tgt Ion:153 Resp: 4590

Ion Ratio Lower Upper

153 100

152 39.7 37.7 56.5

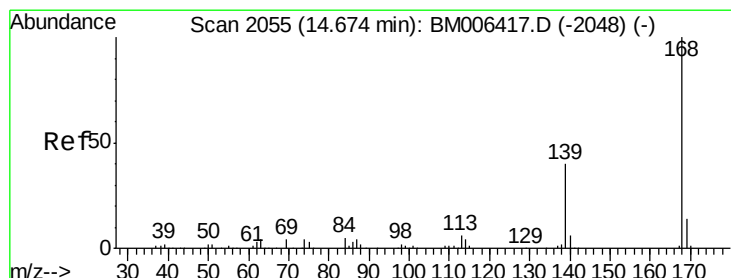
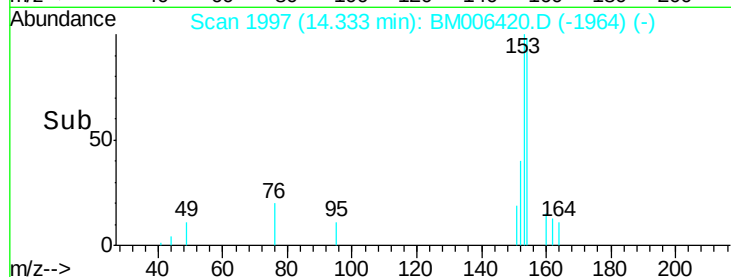
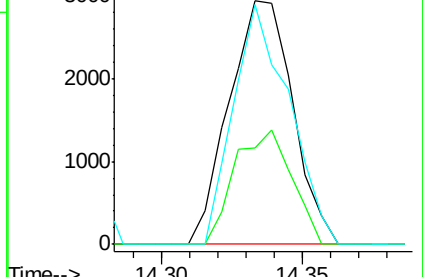
154 98.4 70.0 105.0



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



#53

Dibenzofuran

Concen: 0.09 ng/ul

RT: 14.68 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BM006420.D

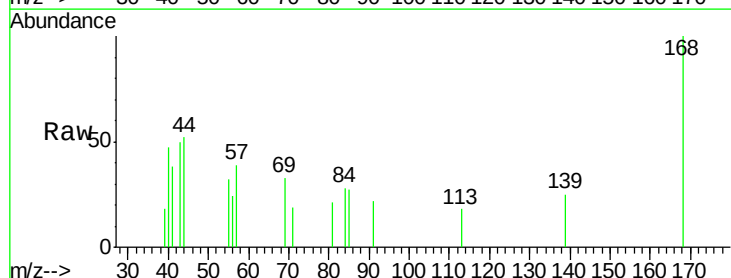
Acq: 14 Jul 2016 20:31

Tgt Ion:168 Resp: 2356

Ion Ratio Lower Upper

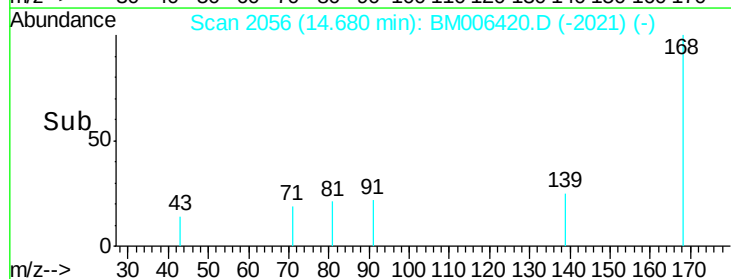
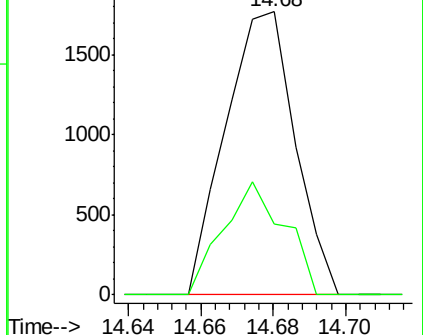
168 100

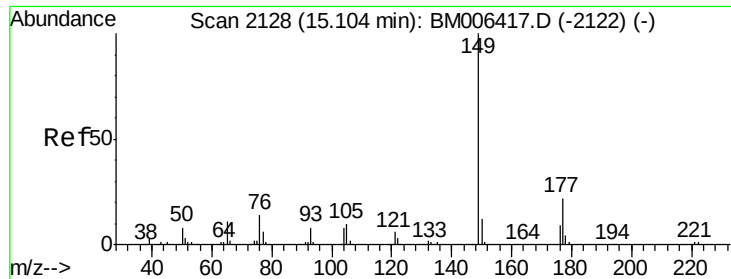
139 25.0 30.6 46.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

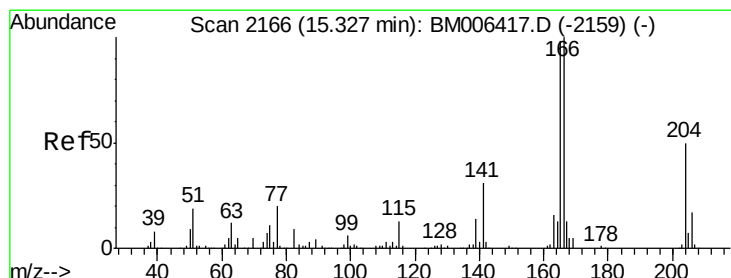
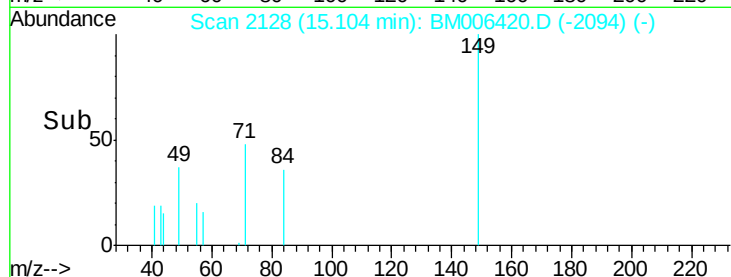
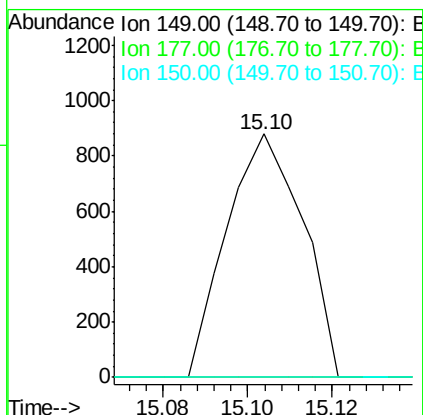
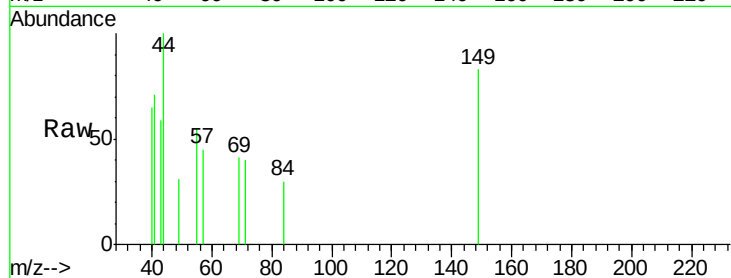




#56  
Diethylphthalate  
Concen: 0.05 ng/ul  
RT: 15.10 min Scan# 2128  
Delta R.T. 0.00 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

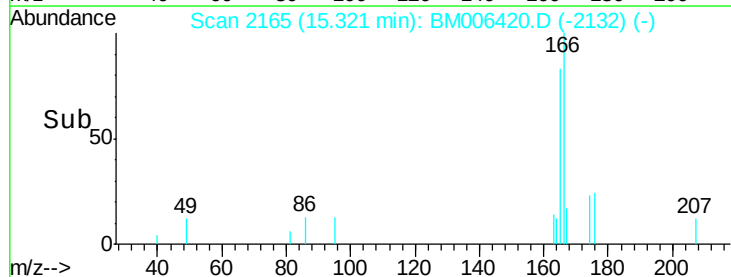
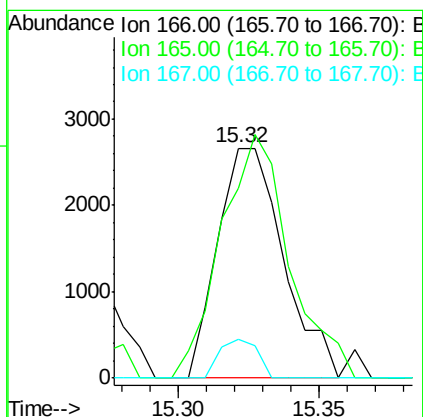
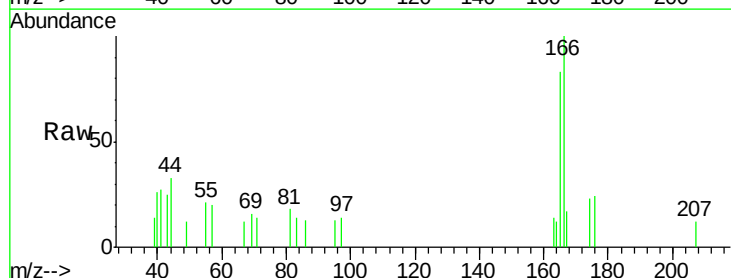
Instrument :  
BNA\_M  
ClientSampleId :  
BDJ62

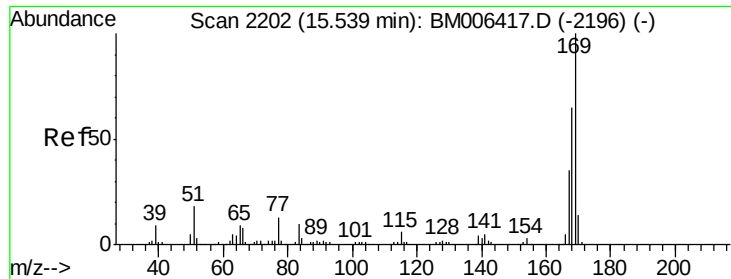
Tgt Ion:149 Resp: 1101  
Ion Ratio Lower Upper  
149 100  
177 0.0 17.7 26.5#  
150 0.0 9.8 14.8#



#58  
Fluorene  
Concen: 0.20 ng/ul  
RT: 15.32 min Scan# 2165  
Delta R.T. -0.01 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

Tgt Ion:166 Resp: 4323  
Ion Ratio Lower Upper  
166 100  
165 82.6 77.5 116.3  
167 16.9 10.8 16.2#





#64

N-Nitrosodiphenylamine

Concen: 0.03 ng/ul

RT: 15.41 min Scan# 2180

Delta R.T. -0.13 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

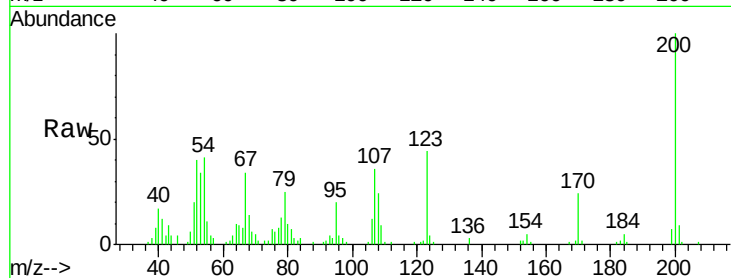
Tgt Ion:169 Resp: 573

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

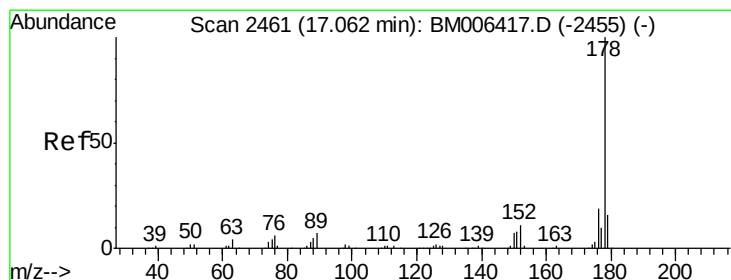
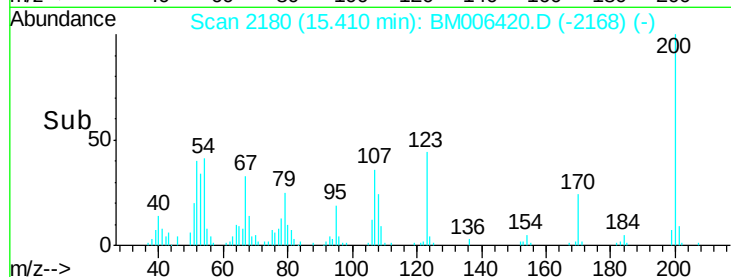
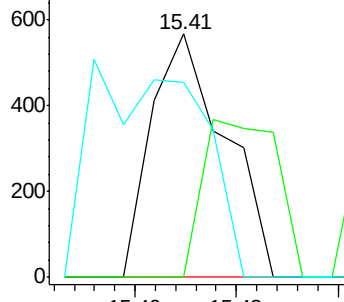
167 79.9 28.7 43.1#



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



#69

Phenanthrene

Concen: 1.64 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

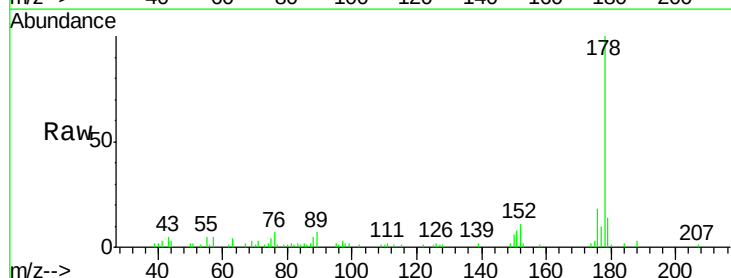
Tgt Ion:178 Resp: 60608

Ion Ratio Lower Upper

178 100

179 14.4 11.9 17.9

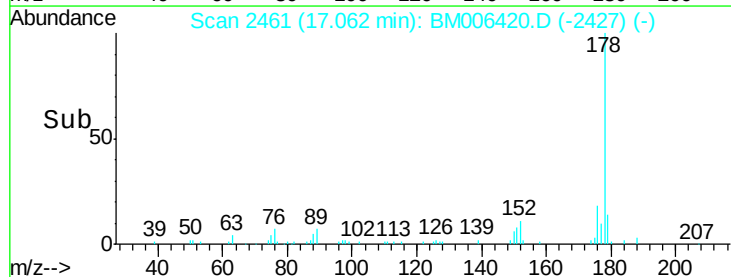
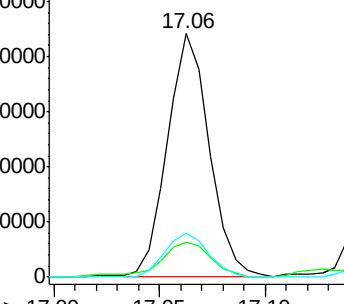
176 18.0 15.2 22.8

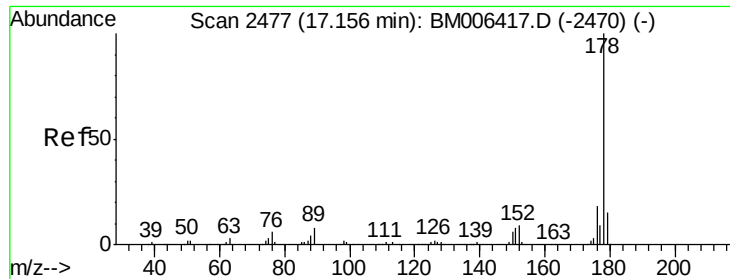


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

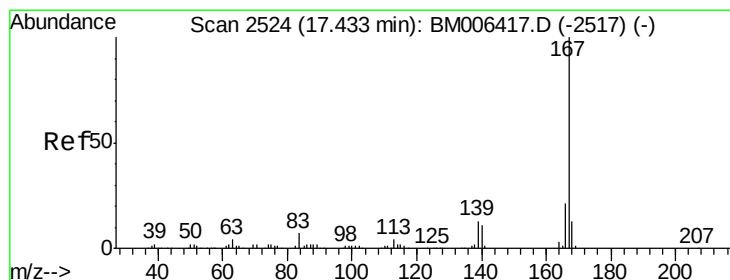
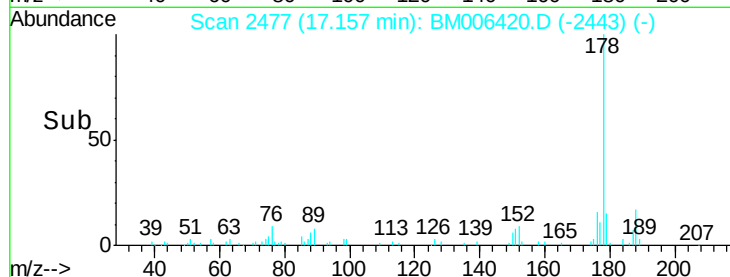
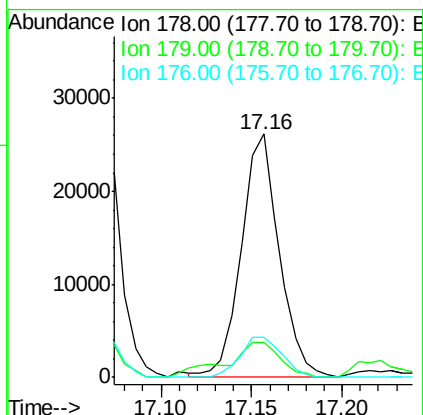
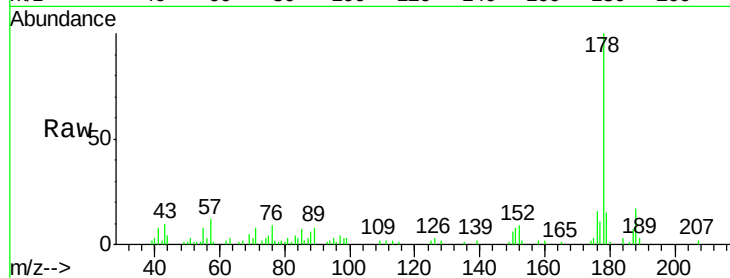




#71  
 Anthracene  
 Concen: 1.00 ng/ul  
 RT: 17.16 min Scan# 2477  
 Delta R.T. 0.00 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

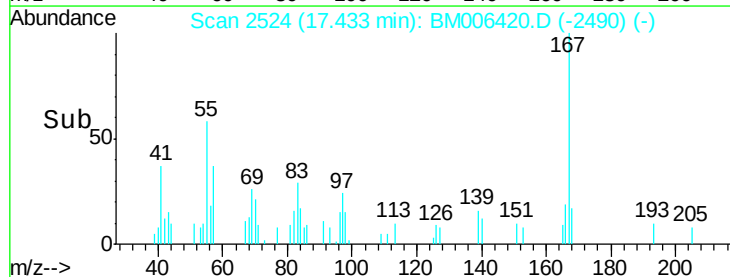
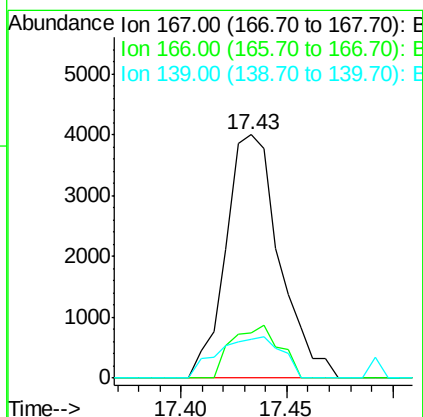
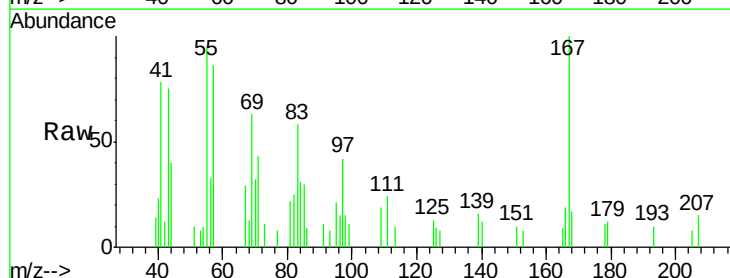
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJ62

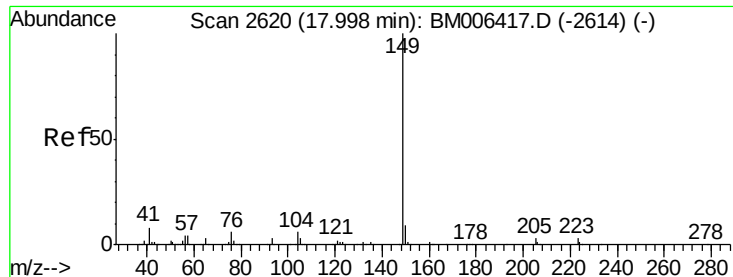
Tgt Ion:178 Resp: 38174  
 Ion Ratio Lower Upper  
 178 100  
 179 14.6 12.0 18.0  
 176 16.3 15.0 22.6



#72  
 Carbazole  
 Concen: 0.22 ng/ul  
 RT: 17.43 min Scan# 2524  
 Delta R.T. 0.00 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

Tgt Ion:167 Resp: 7029  
 Ion Ratio Lower Upper  
 167 100  
 166 18.8 17.0 25.6  
 139 15.9 10.2 15.4#

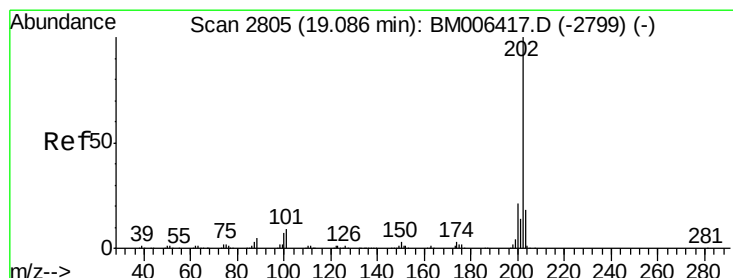
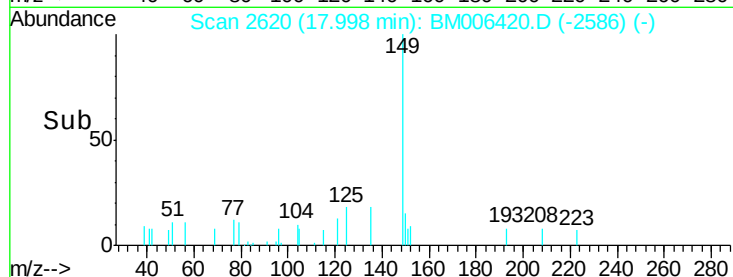
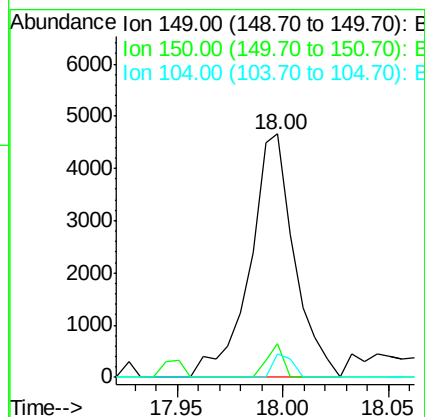
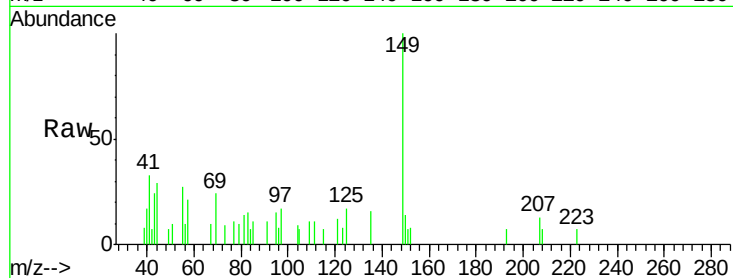




#73  
Di-n-butylphthalate  
Concen: 0.15 ng/ul  
RT: 18.00 min Scan# 2620  
Delta R.T. 0.00 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

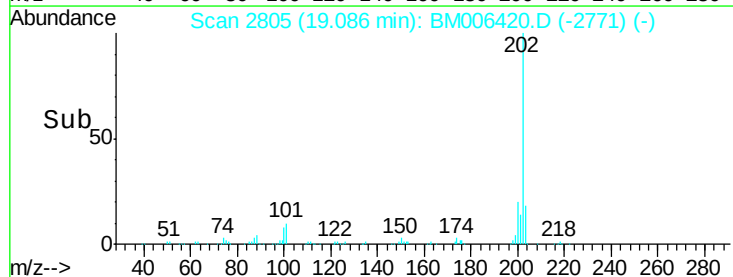
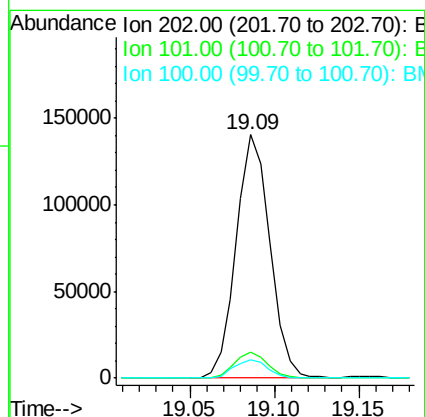
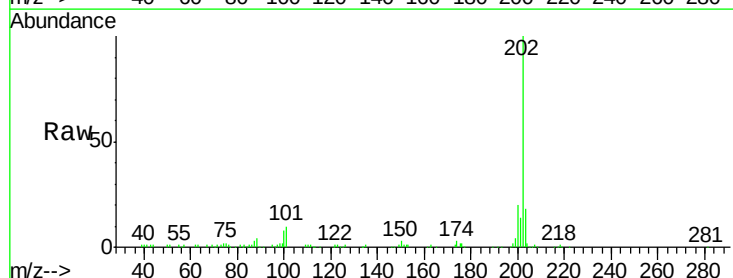
Instrument :  
BNA\_M  
ClientSampleId :  
BDJ62

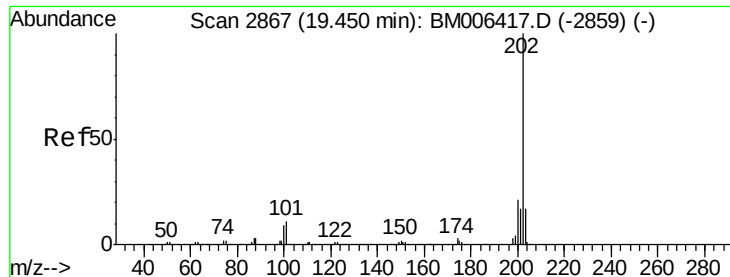
Tgt Ion:149 Resp: 6806  
Ion Ratio Lower Upper  
149 100  
150 13.8 7.1 10.7#  
104 9.4 4.4 6.6#



#74  
Fluoranthene  
Concen: 4.56 ng/ul  
RT: 19.09 min Scan# 2805  
Delta R.T. 0.00 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

Tgt Ion:202 Resp: 195902  
Ion Ratio Lower Upper  
202 100  
101 10.5 8.6 12.8  
100 7.6 6.4 9.6





#77

Pyrene

Concen: 3.72 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

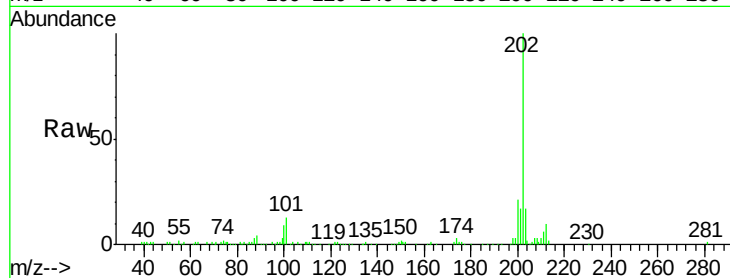
Tgt Ion:202 Resp: 185502

Ion Ratio Lower Upper

202 100

101 12.7 10.0 15.0

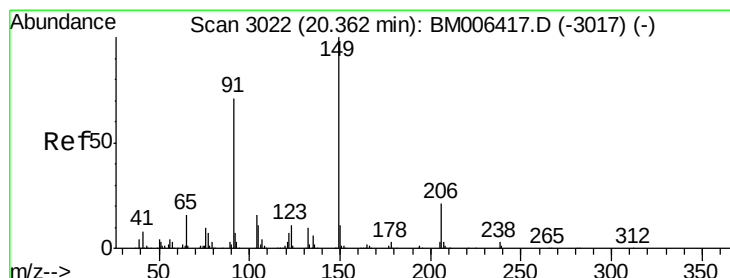
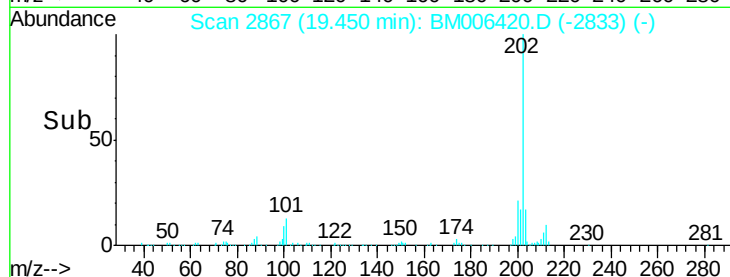
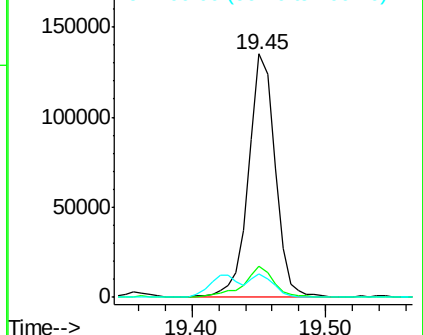
100 9.5 7.9 11.9



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



#78

Butylbenzylphthalate

Concen: 0.07 ng/ul

RT: 20.36 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

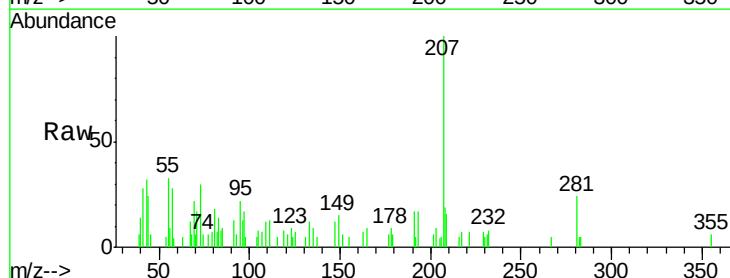
Tgt Ion:149 Resp: 1512

Ion Ratio Lower Upper

149 100

91 87.4 60.9 91.3

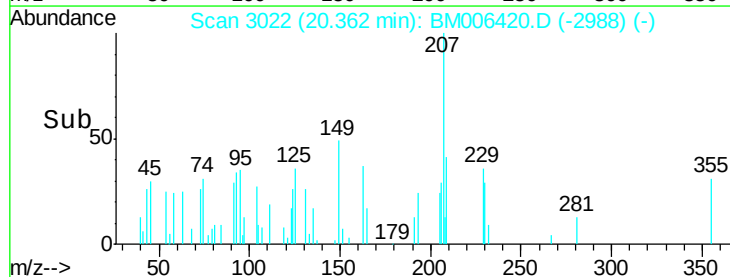
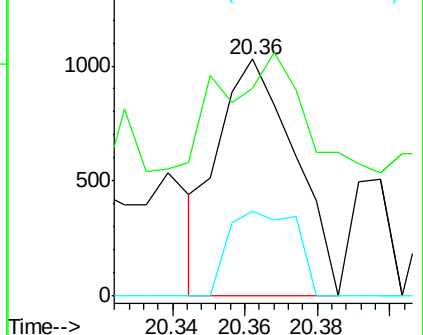
206 35.7 17.2 25.8#



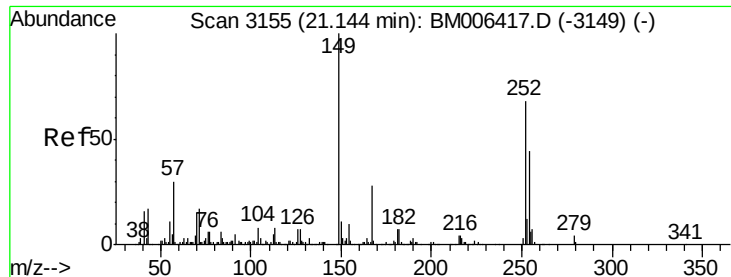
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E



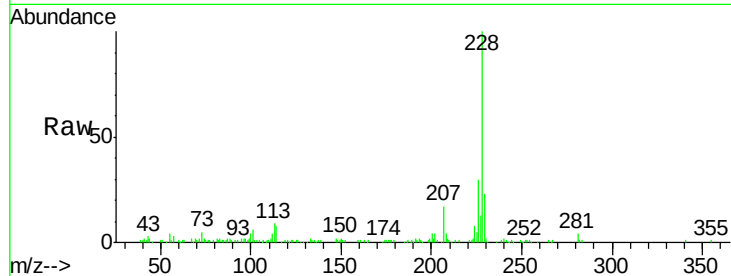




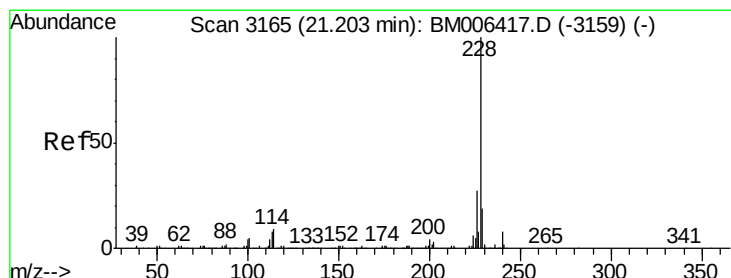
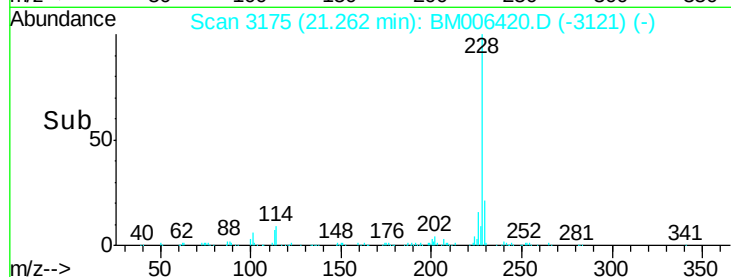
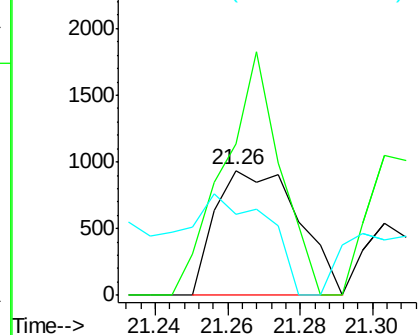
#79  
 3,3'-Dichlorobenzidine  
 Concen: 0.09 ng/ul  
 RT: 21.26 min Scan# 3175  
 Delta R.T. 0.12 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

Instrument :  
 BNA\_M  
 ClientSampled :  
 BDJ62

Tgt Ion:252 Resp: 1500  
 Ion Ratio Lower Upper  
 252 100  
 254 121.4 50.8 76.2#  
 126 65.5 9.0 13.4#

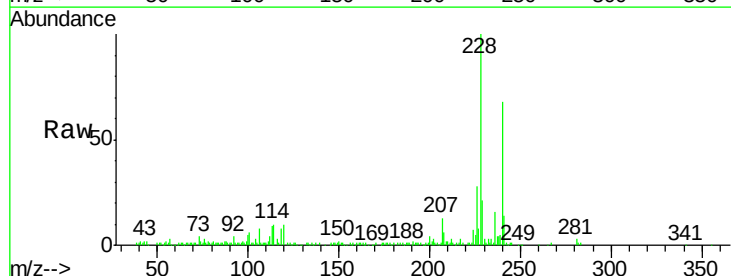


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

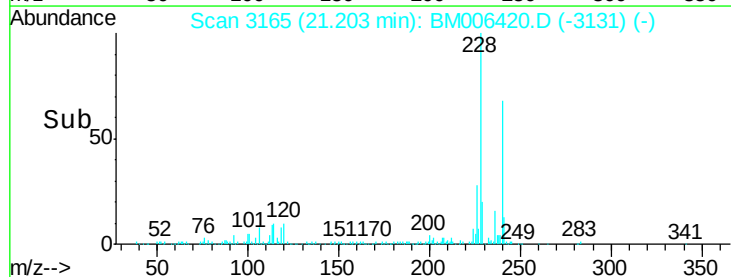
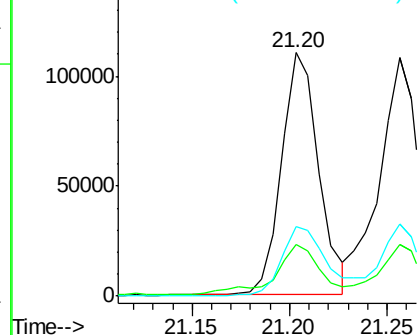


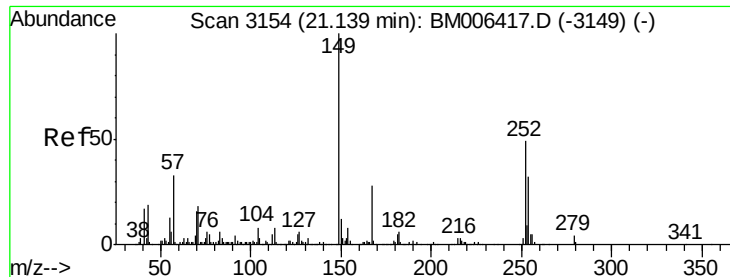
#80  
 Benzo(a)anthracene  
 Concen: 2.85 ng/ul  
 RT: 21.20 min Scan# 3165  
 Delta R.T. 0.00 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

Tgt Ion:228 Resp: 145469  
 Ion Ratio Lower Upper  
 228 100  
 229 21.1 15.6 23.4  
 226 28.4 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





#81

Bis(2-ethylhexyl)phthalate

Concen: 3.36 ng/ul

RT: 21.14 min Scan# 3155

Delta R.T. 0.01 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

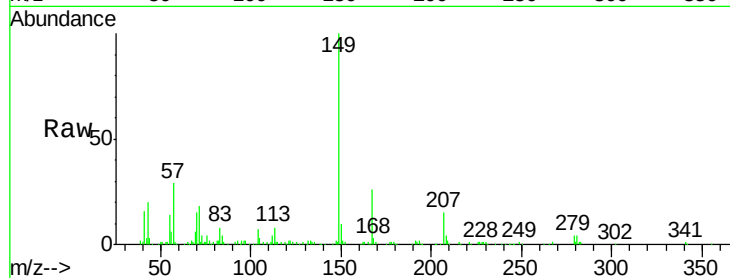
Tgt Ion:149 Resp: 102435

Ion Ratio Lower Upper

149 100

167 26.2 22.2 33.2

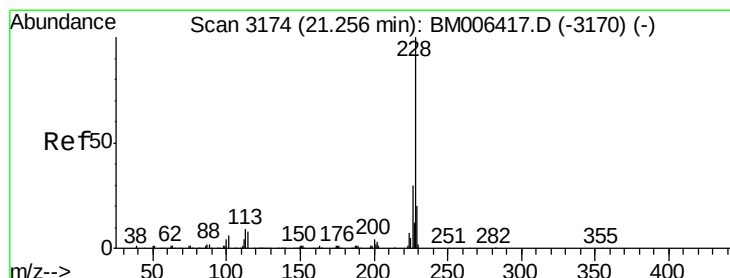
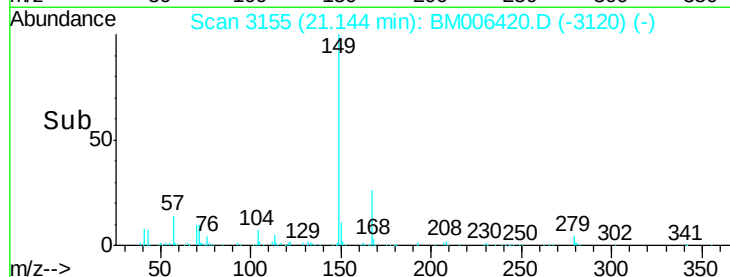
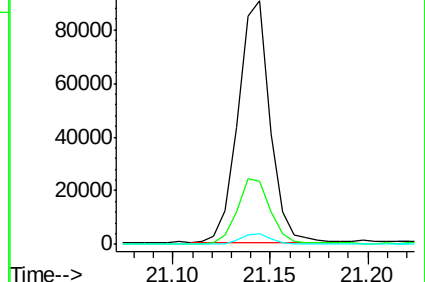
279 4.1 3.1 4.7



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



#82

Chrysene

Concen: 3.15 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

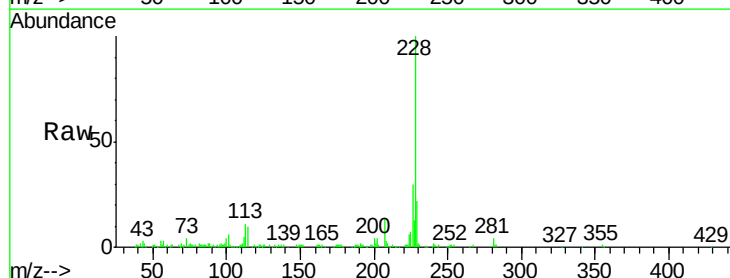
Tgt Ion:228 Resp: 151464

Ion Ratio Lower Upper

228 100

226 30.1 23.3 34.9

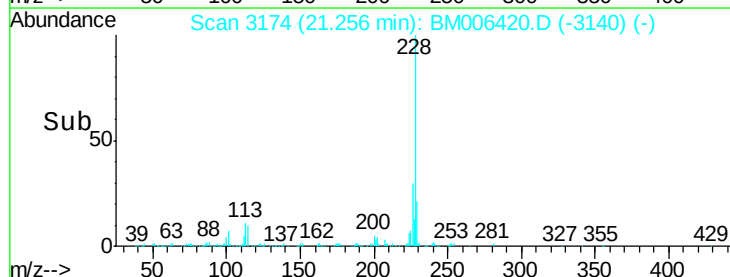
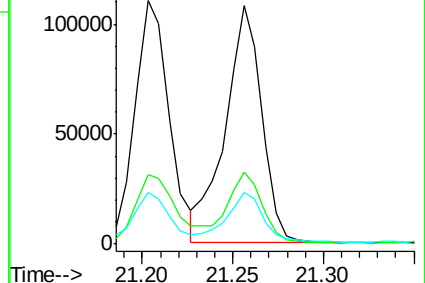
229 21.8 15.8 23.8

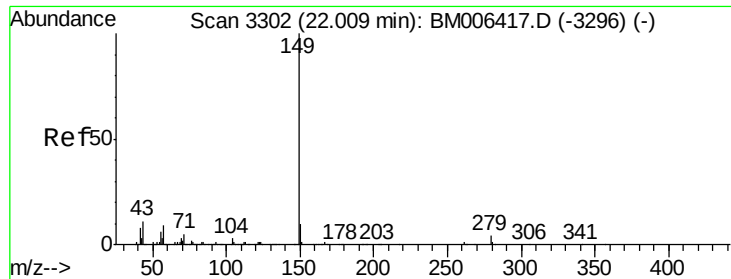


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 0.03 ng/ul

RT: 22.01 min Scan# 3302

Delta R.T. 0.00 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

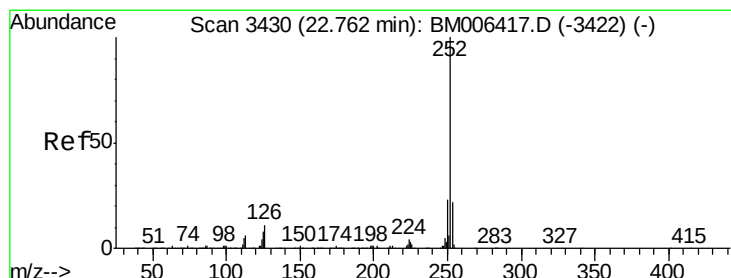
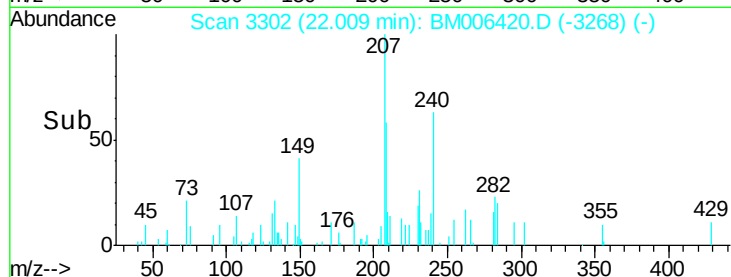
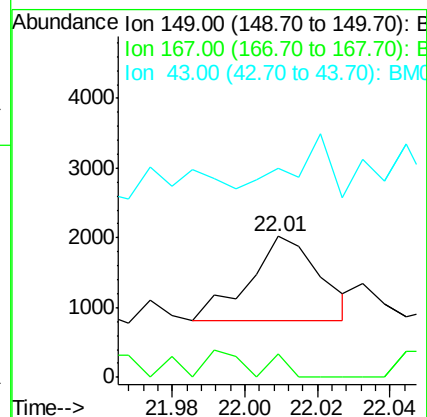
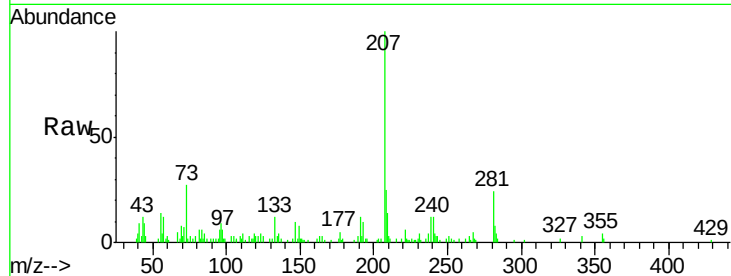
Tgt Ion:149 Resp: 1618

Ion Ratio Lower Upper

149 100

167 17.0 1.4 2.0#

43 148.9 9.1 13.7#



#85

Benzo(b)fluoranthene

Concen: 3.65 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

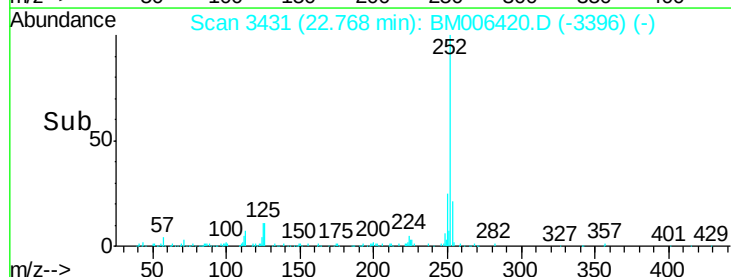
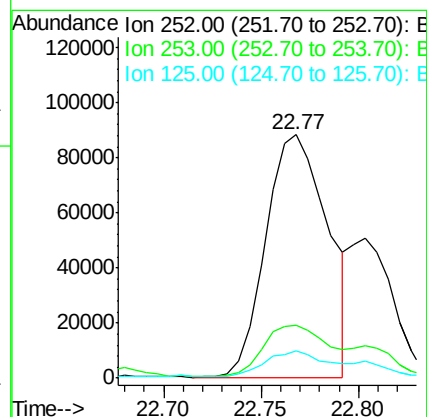
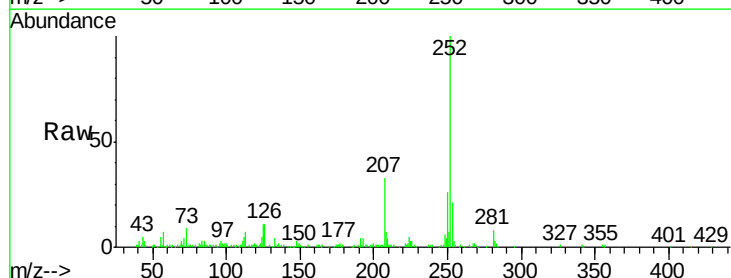
Tgt Ion:252 Resp: 193945

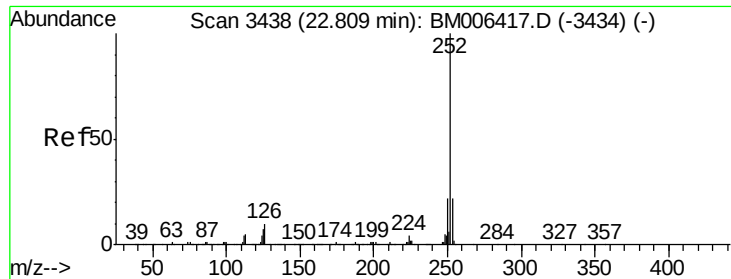
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 11.2 6.7 10.1#

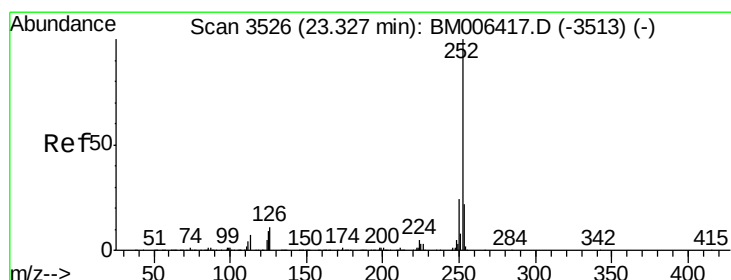
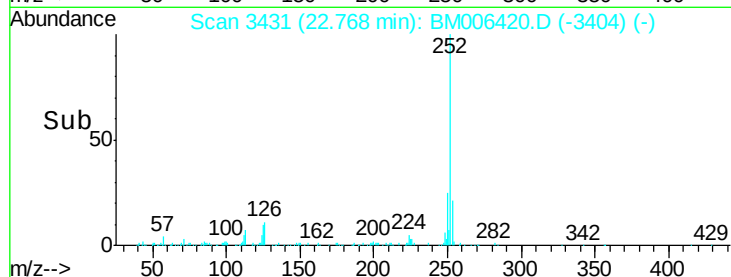
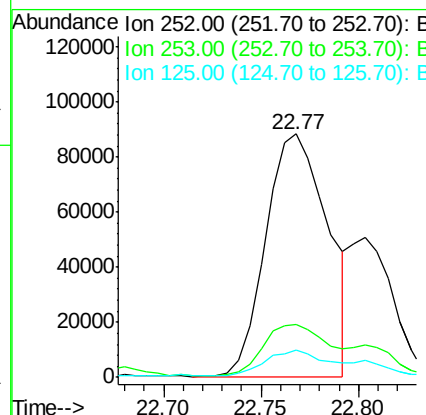
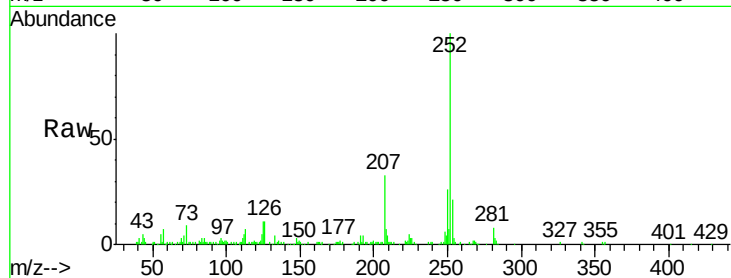




#86  
Benzo(k)fluoranthene  
Concen: 3.88 ng/ul  
RT: 22.77 min Scan# 3431  
Delta R.T. -0.04 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

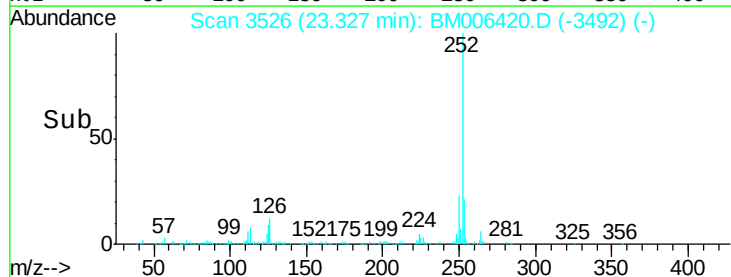
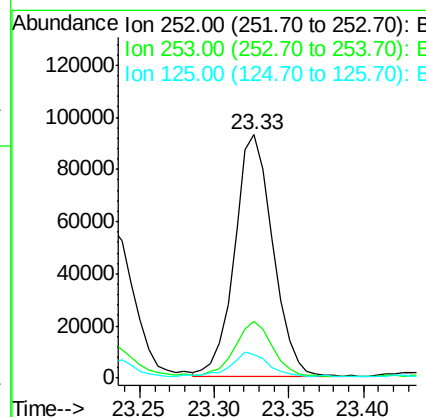
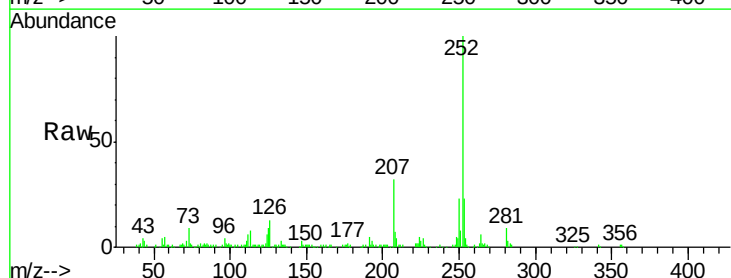
Instrument :  
BNA\_M  
ClientSampleId :  
BDJ62

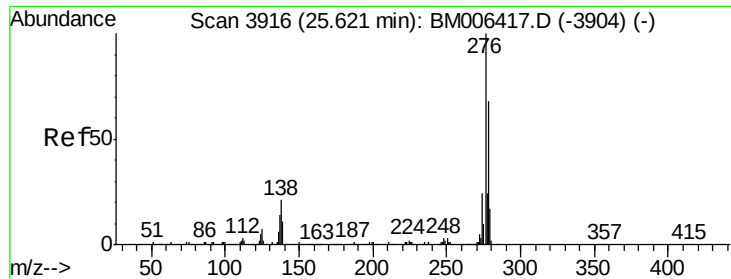
Tgt Ion:252 Resp: 193945  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.3 25.9  
125 11.2 7.0 10.4#



#88  
Benzo(a)pyrene  
Concen: 3.26 ng/ul  
RT: 23.33 min Scan# 3526  
Delta R.T. 0.00 min  
Lab File: BM006420.D  
Acq: 14 Jul 2016 20:31

Tgt Ion:252 Resp: 165525  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.4 26.2  
125 9.5 7.6 11.4

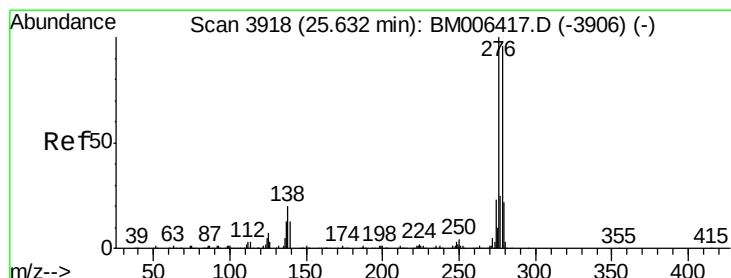
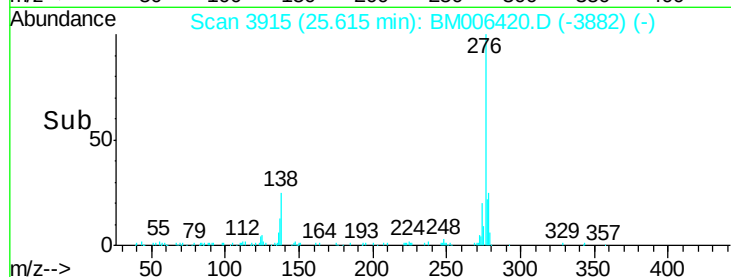
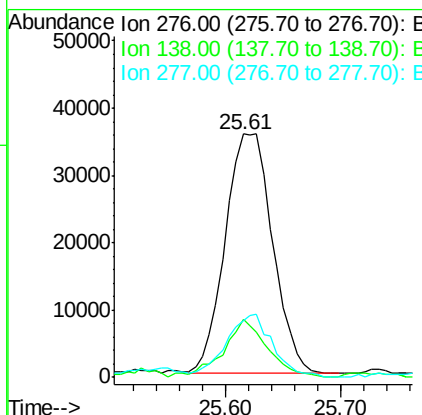
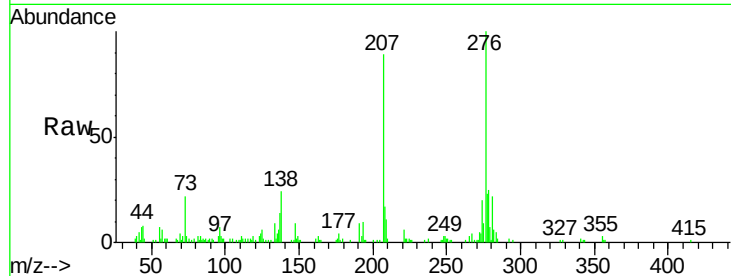




#89  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.72 ng/ul  
 RT: 25.61 min Scan# 3915  
 Delta R.T. -0.01 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

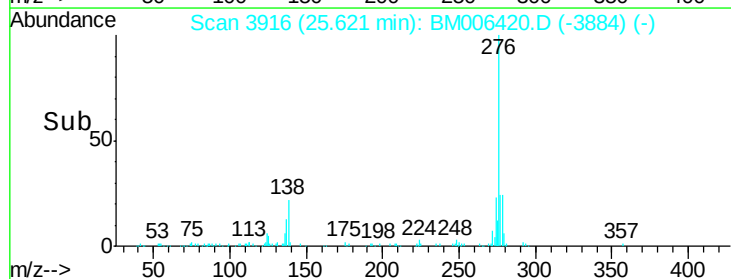
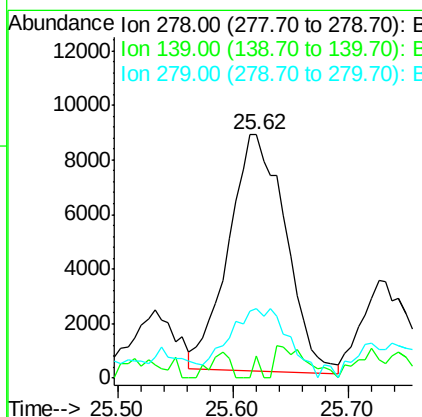
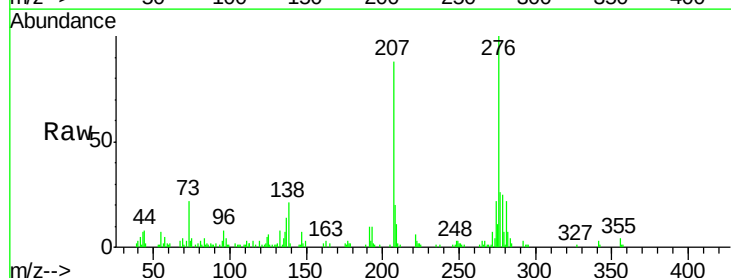
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJ62

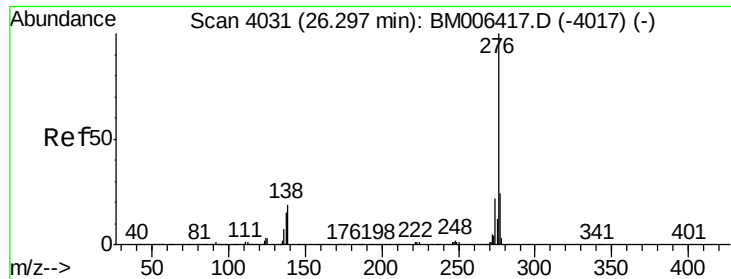
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.8  | 17.8  | 26.6  |
| 277     | 23.2  | 20.1  | 30.1  |



#90  
 Dibenzo(a,h)anthracene  
 Concen: 0.60 ng/ul  
 RT: 25.62 min Scan# 3916  
 Delta R.T. -0.01 min  
 Lab File: BM006420.D  
 Acq: 14 Jul 2016 20:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.0   | 11.7  | 17.5# |
| 279     | 28.3  | 19.2  | 28.8  |





#91

Benzo(g,h,i)perylene

Concen: 1.73 ng/ul

RT: 26.29 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM006420.D

Acq: 14 Jul 2016 20:31

Instrument :

BNA\_M

ClientSampleId :

BDJ62

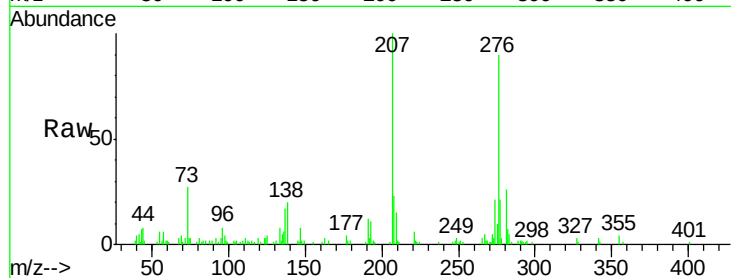
Tgt Ion: 276 Resp: 90410

Ion Ratio Lower Upper

276 100

138 22.8 15.0 22.4#

277 23.6 19.0 28.4



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

