

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\  
 Data File : BP000125.D  
 Acq On : 09 Sep 2019 06:01  
 Operator : HP/JU  
 Sample : K4636-016 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Sep 09 08:34:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 17:47:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 425912   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 1601460  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.94  | 164  | 848644   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.45 | 188  | 1124978  | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 14.15 | 240  | 587464   | 20.00 | ng    | 0.03     |
| 87) Perylene-d12          | 15.68 | 264  | 932561   | 20.00 | ng    | 0.05     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 1233842 | 46.20 | ng | 0.00 |
| 7) Phenol-d6             | 6.51  | 99  | 1650614 | 48.95 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 850889  | 32.60 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 335329  | 46.88 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.25  | 172 | 1681888 | 33.10 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.05 | 244 | 1287642 | 47.77 | ng | 0.00 |

## Target Compounds

|                                |       |     |          |           |    | Qvalue |
|--------------------------------|-------|-----|----------|-----------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70  | 106024   | 5.525     | ng | # 77   |
| 25) Isophorone                 | 7.45  | 82  | 849976   | 15.413    | ng | # 66   |
| 31) Naphthalene                | 8.20  | 128 | 4527142  | 61.614    | ng | # 97   |
| 32) Benzoic acid               | 7.95  | 122 | 14354    | 8.865     | ng | # 28   |
| 33) 4-Chloroaniline            | 8.20  | 127 | 649104   | 18.731    | ng | # 32   |
| 37) 2-Methylnaphthalene        | 8.89  | 142 | 2271116  | 44.230    | ng | # 97   |
| 38) 1-Methylnaphthalene        | 8.99  | 142 | 1827074  | 37.764    | ng | # 100  |
| 46) 1,1'-Biphenyl              | 9.35  | 154 | 1097110  | 18.312    | ng | # 98   |
| 49) Acenaphthylene             | 9.80  | 152 | 314100   | 4.256     | ng | # 89   |
| 50) Dimethylphthalate          | 9.65  | 163 | 231949   | 4.011     | ng | # 99   |
| 52) Acenaphthene               | 9.98  | 154 | 4757604  | 102.746   | ng | # 95   |
| 54) 2,4-Dinitrophenol          | 9.99  | 184 | 255      | 8.698     | ng | # 1    |
| 55) Dibenzofuran               | 10.15 | 168 | 5926984  | 90.141    | ng | # 87   |
| 56) 4-Nitrophenol              | 10.15 | 139 | 2531130  | 241.487   | ng | # 9    |
| 57) 2,4-Dinitrotoluene         | 10.10 | 165 | 88028    | 5.617     | ng | # 43   |
| 58) Fluorene                   | 10.50 | 166 | 6421604  | 129.767   | ng | # 99   |
| 62) 4-Nitroaniline             | 10.50 | 138 | 87732    | 6.272     | ng | # 21   |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 343      | 7.791     | ng | # 1    |
| 66) n-Nitrosodiphenylamine     | 10.60 | 169 | 124629   | 3.729     | ng | # 1    |
| 67) 4-Bromophenyl-phenylether  | 10.73 | 248 | 24015    | 2.101     | ng | # 1    |
| 69) Atrazine                   | 11.12 | 200 | 2503     | Below Cal |    | # 33   |
| 71) Phenanthrene               | 11.51 | 178 | 26360664 | 470.129   | ng | # 87   |
| 72) Anthracene                 | 11.51 | 178 | 26360664 | 475.915   | ng | # 85   |
| 73) Carbazole                  | 11.67 | 167 | 4483233  | 85.751    | ng | # 96   |
| 75) Fluoranthene               | 12.72 | 202 | 25589550 | 419.972   | ng | # 90   |
| 78) Pyrene                     | 12.95 | 202 | 22472193 | 519.975   | ng | # 82   |
| 81) Benzo(a)anthracene         | 14.13 | 228 | 15147618 | 397.914   | ng | # 91   |
| 83) Chrysene                   | 14.13 | 228 | 15147618 | 420.685   | ng | # 95   |
| 84) Bis(2-ethylhexyl)phthalate | 14.10 | 149 | 90838    | 3.625     | ng | # 91   |
| 86) Indeno(1,2,3-cd)pyrene     | 17.28 | 276 | 10091197 | 223.657   | ng | # 89   |
| 88) Benzo(b)fluoranthene       | 15.24 | 252 | 23022271 | 404.165   | ng | # 93   |
| 89) Benzo(k)fluoranthene       | 15.24 | 252 | 23022271 | 441.657   | ng | # 93   |
| 90) Benzo(a)pyrene             | 15.56 | 252 | 9282386  | 180.520   | ng | # 97   |
| 91) Dibenzo(a,h)anthracene     | 17.43 | 278 | 2173126  | 42.261    | ng | # 97   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\  
Data File : BP000125.D  
Acq On : 09 Sep 2019 06:01  
Operator : HP/JU  
Sample : K4636-016 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

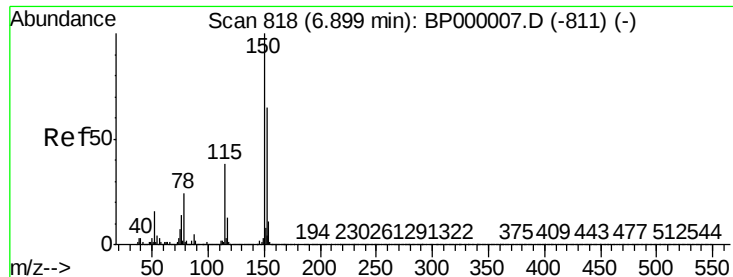
Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Sep 09 08:34:12 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 30 17:47:17 2019  
Response via : Initial Calibration

| Internal Standards       | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------|-------|------|----------|---------|-------|----------|
| 92) Benzo(q,h,i)perylene | 17.76 | 276  | 9284021  | 182.410 | ng    | 96       |

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



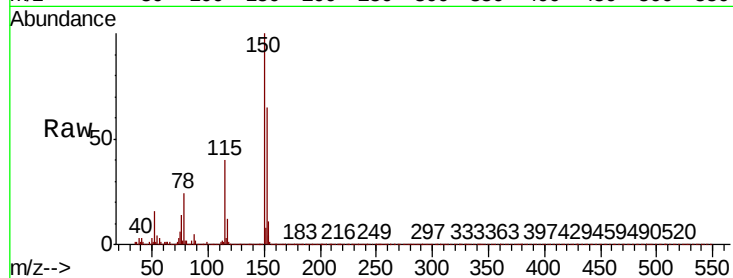


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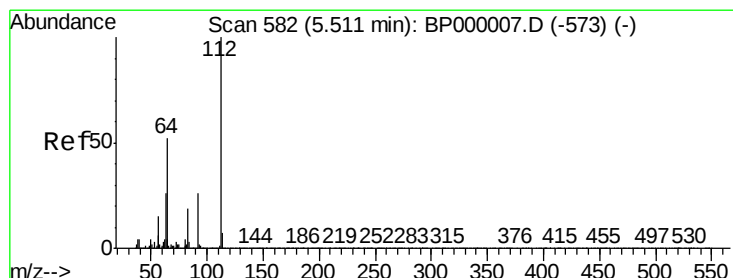
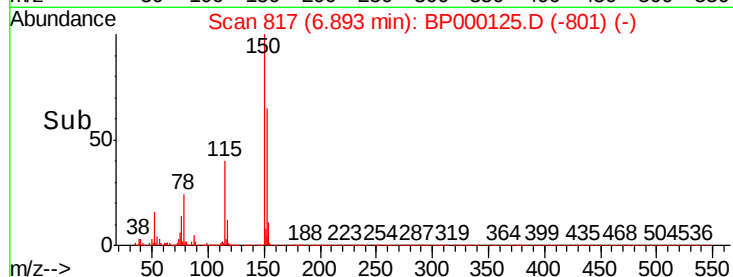
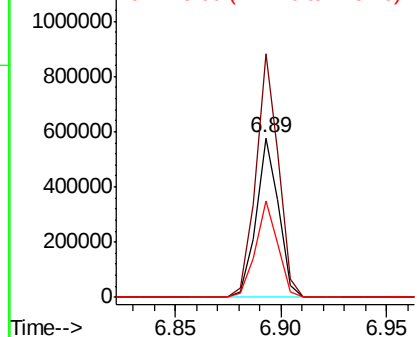
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Instrument :  
BNA\_P  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.7 | 123.0 | 184.6 |
| 115     | 60.4  | 46.7  | 70.1  |



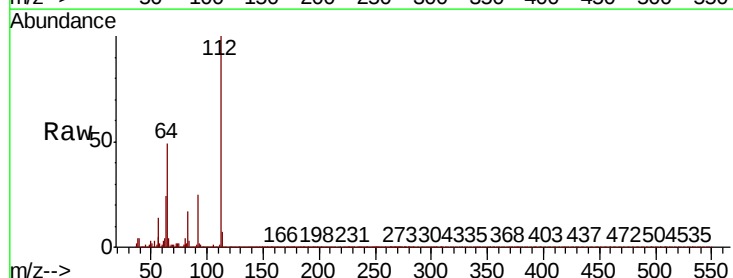
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



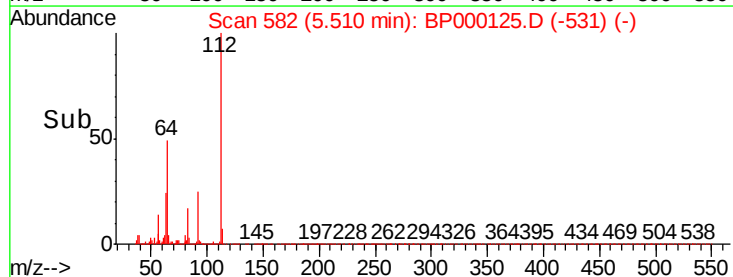
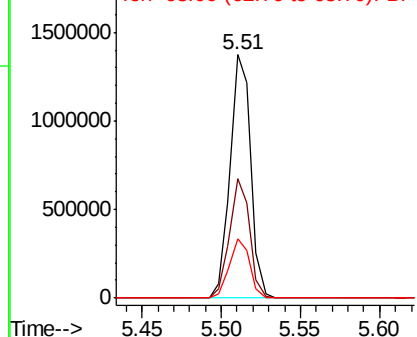
#5

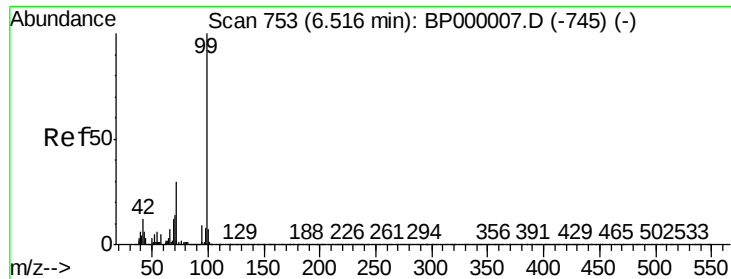
2-Fluorophenol  
Concen: 46.195 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.0  | 41.8  | 62.8  |
| 63      | 24.5  | 21.0  | 31.4  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BP0  
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 48.953 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

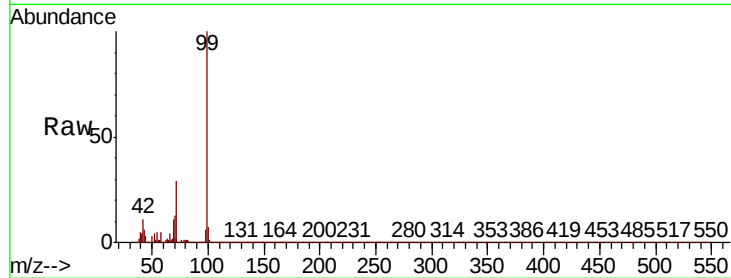
Instrument :

BNA\_P

ClientSampled :

Tot Ion: 99 Resp: 1650614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.5  | 9.8   | 14.8  |
| 71  | 29.1  | 23.8  | 35.8  |

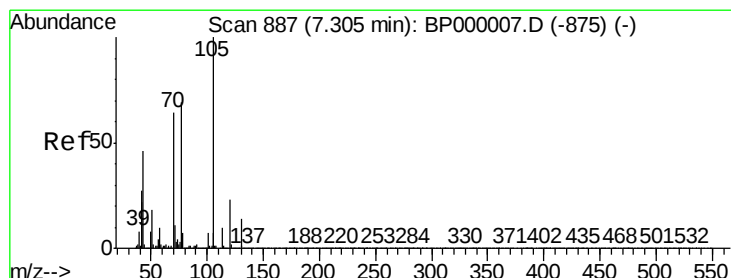
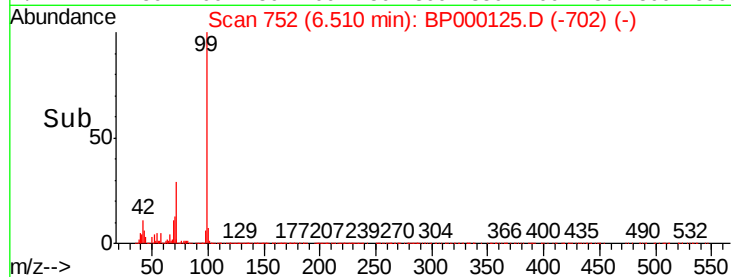
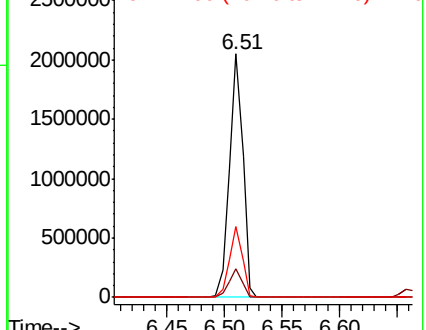


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#19

n-Nitroso-di-n-propylamine

Concen: 5.525 ng

RT: 7.45 min Scan# 911

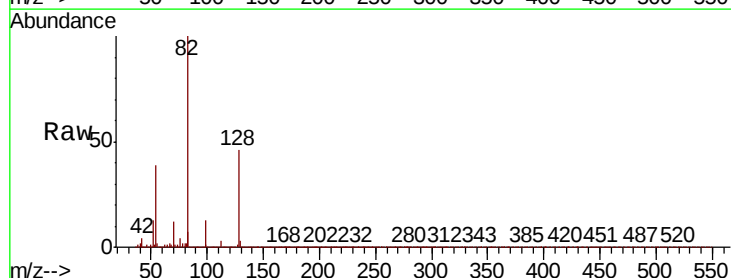
Delta R.T. 0.14 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Tgt Ion: 70 Resp: 106024

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 35.0  | 33.8  | 50.6  |
| 101 | 0.1   | 8.7   | 13.1# |
| 130 | 2.2   | 18.1  | 27.1# |



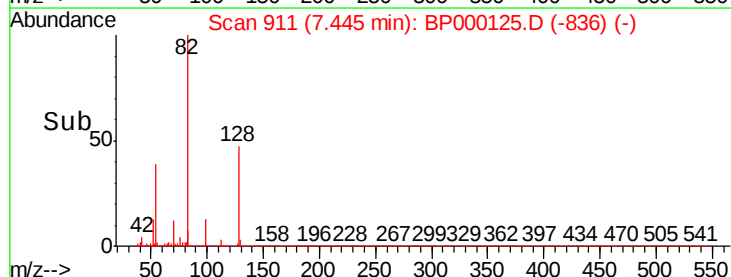
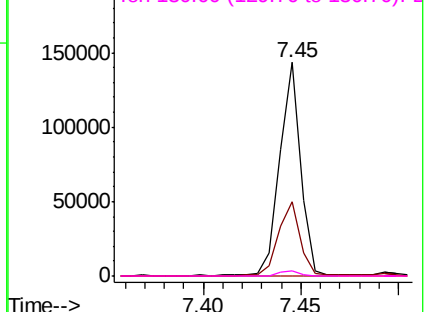
Abundance

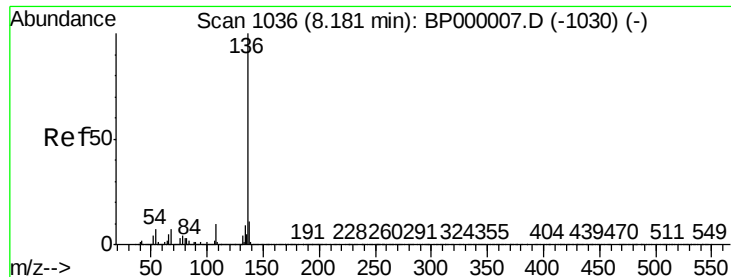
Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

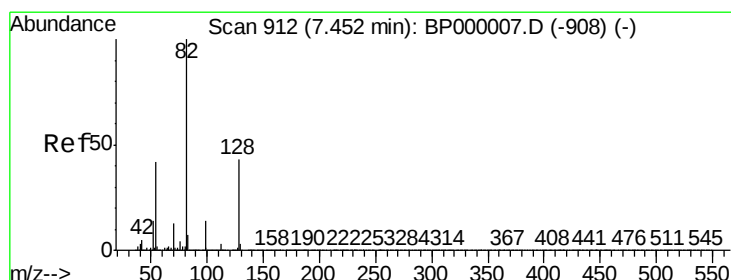
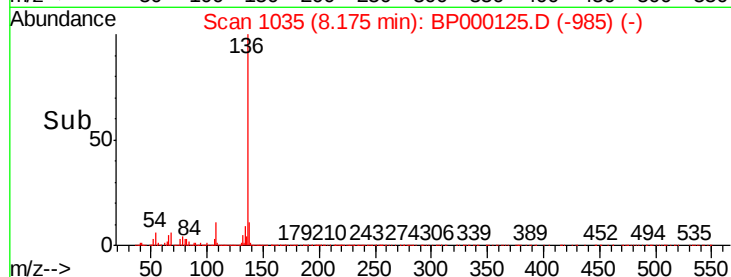
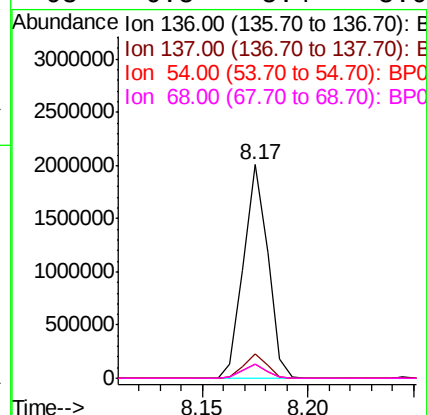
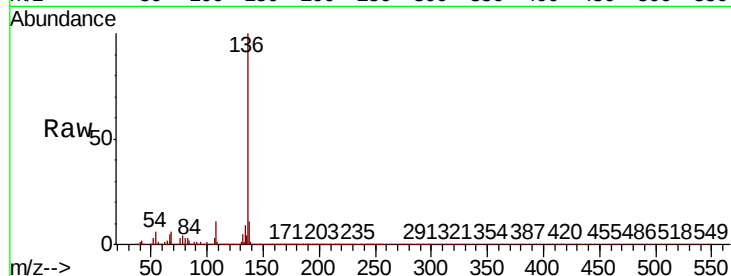




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

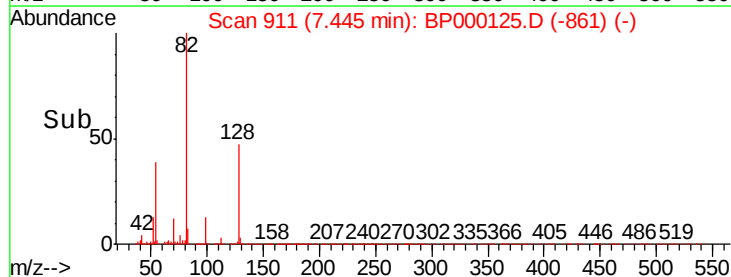
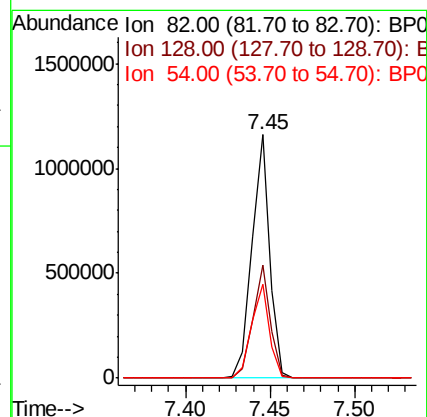
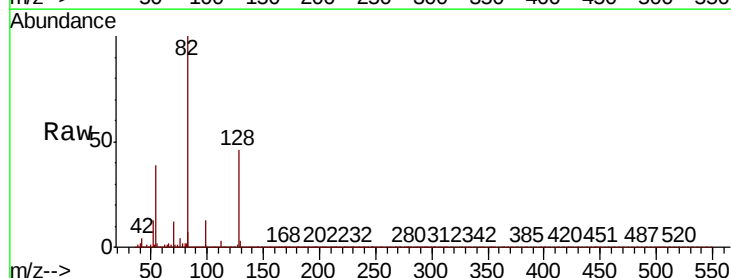
Instrument :  
BNA\_P  
ClientSampleId :

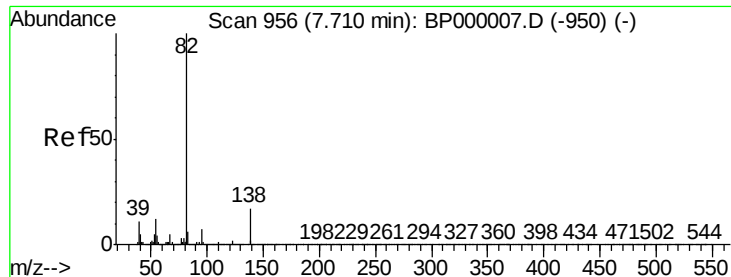
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1601460 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.4    | 8.6 13.0      |
| 54 6.3      | 5.4 8.2       |
| 68 6.5      | 5.4 8.0       |



#23  
Nitrobenzene-d5  
Concen: 32.602 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 850889 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 46.5    | 34.5 51.7    |
| 54 38.6     | 33.2 49.8    |





#25

Isophorone

Concen: 15.413 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampleId :

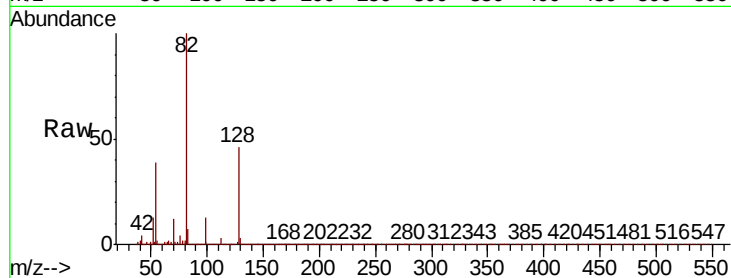
Tot Ion: 82 Resp: 849976

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

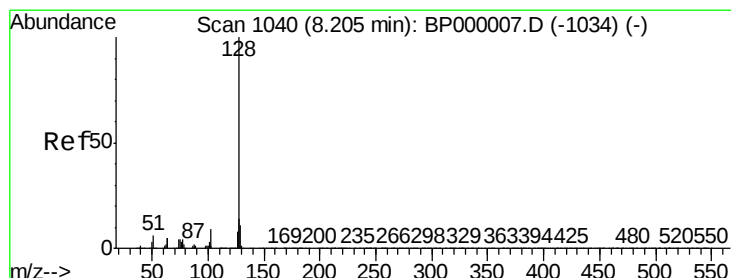
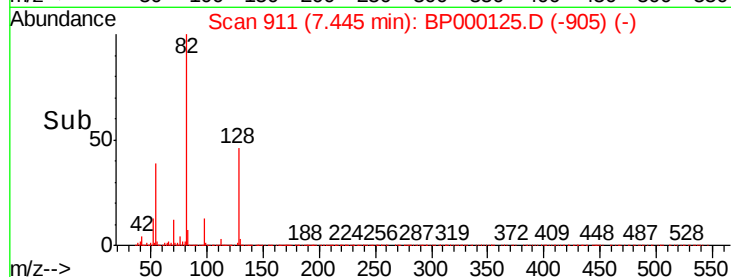
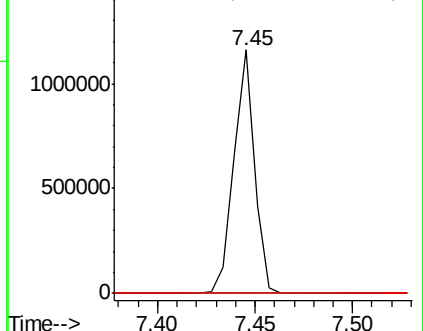
138 0.0 13.8 20.6#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 61.614 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

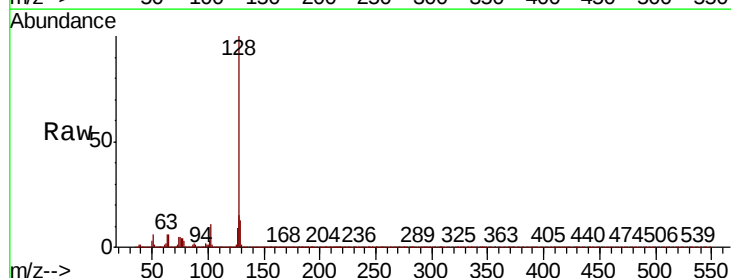
Tgt Ion: 128 Resp: 4527142

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

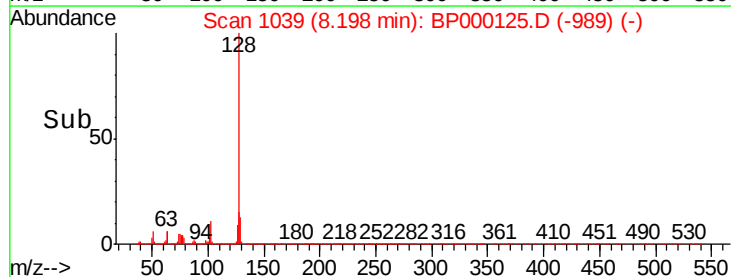
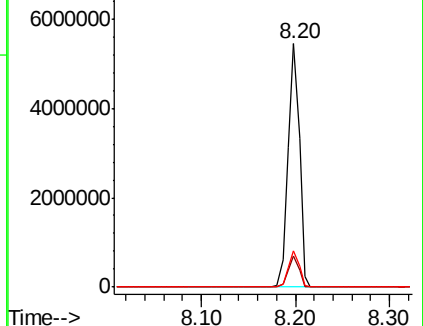
127 14.8 11.0 16.6

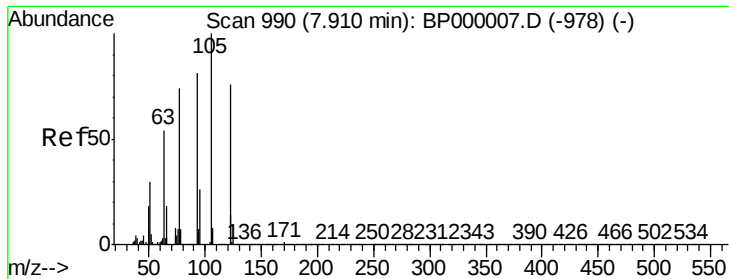


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

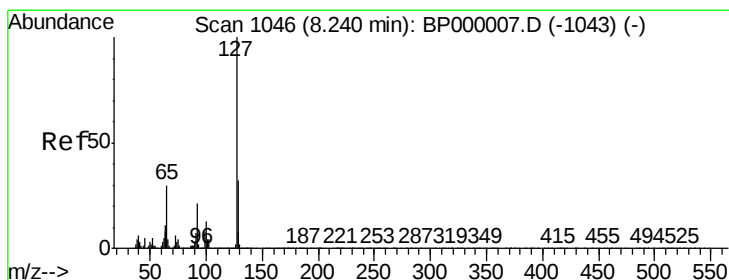
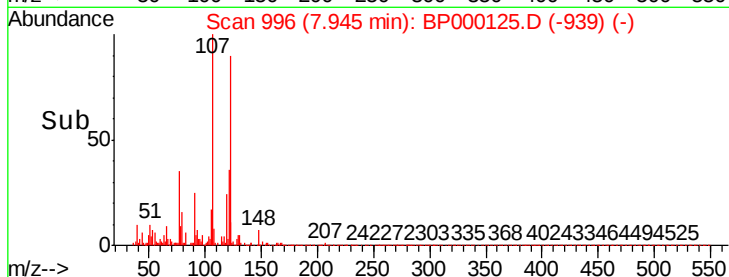
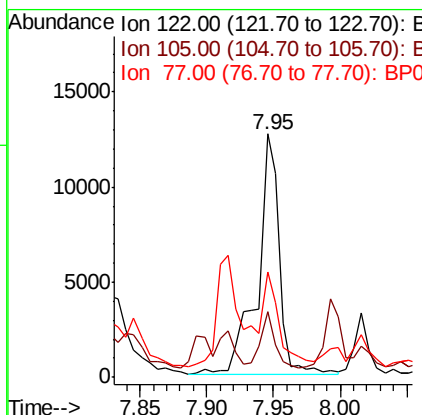
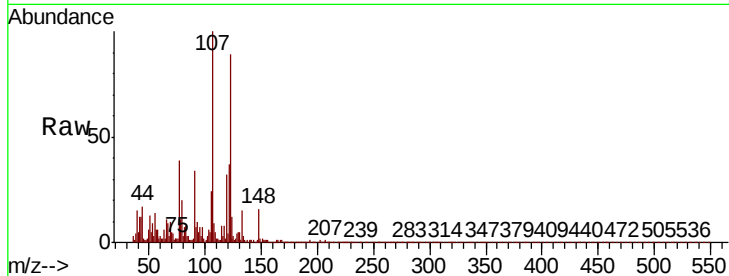




#32  
Benzoic acid  
Concen: 8.865 ng  
RT: 7.95 min Scan# 996  
Delta R.T. 0.04 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

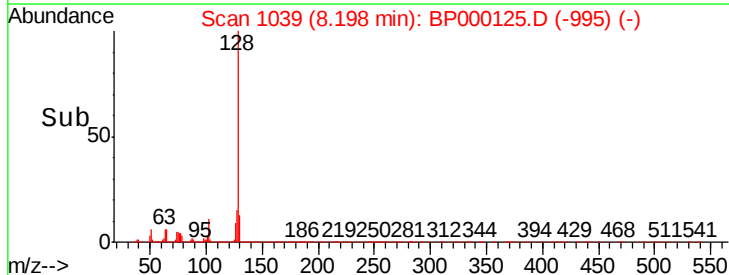
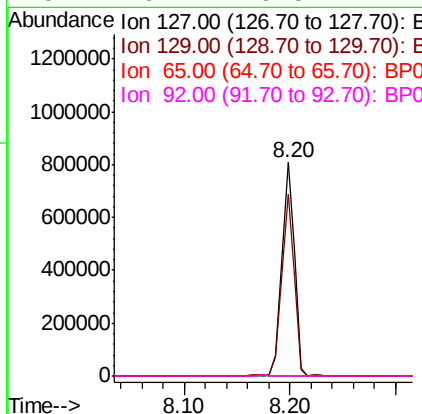
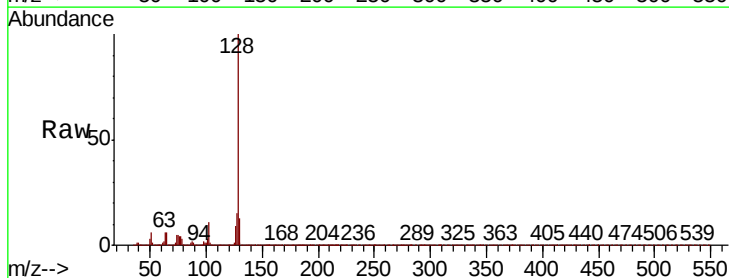
Instrument :  
BNA\_P  
ClientSampleId :

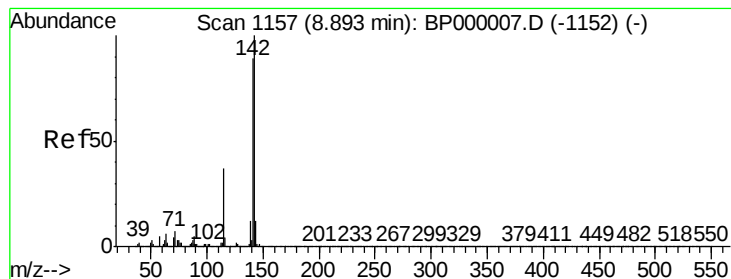
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 26.8  | 104.6 | 144.6# |
| 77      | 43.5  | 74.1  | 114.1# |



#33  
4-Chloroaniline  
Concen: 18.731 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.04 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 85.0  | 25.8  | 38.6# |
| 65      | 0.0   | 24.2  | 36.2# |
| 92      | 0.1   | 16.5  | 24.7# |





#37

2-Methylnaphthalene

Concen: 44.230 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampleId :

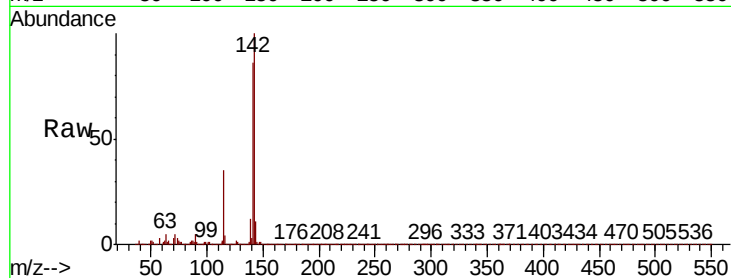
Tot Ion:142 Resp: 2271116

Ion Ratio Lower Upper

142 100

141 85.5 71.0 106.4

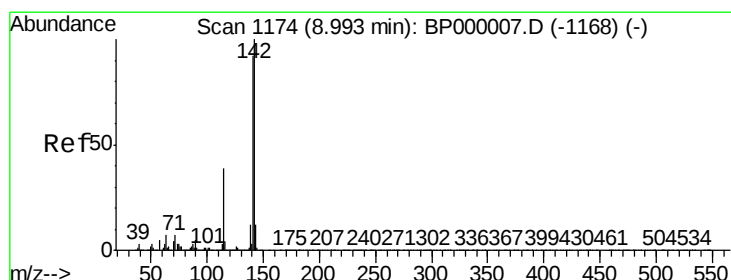
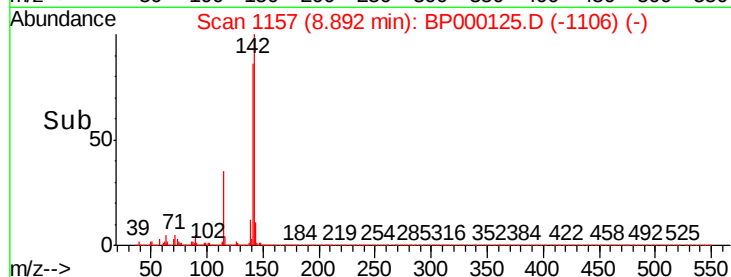
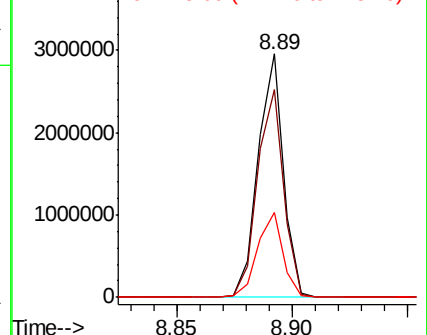
115 35.0 29.4 44.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 37.764 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

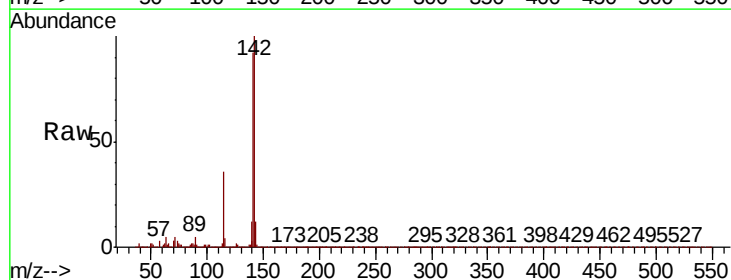
Tgt Ion:142 Resp: 1827074

Ion Ratio Lower Upper

142 100

141 92.3 73.6 110.4

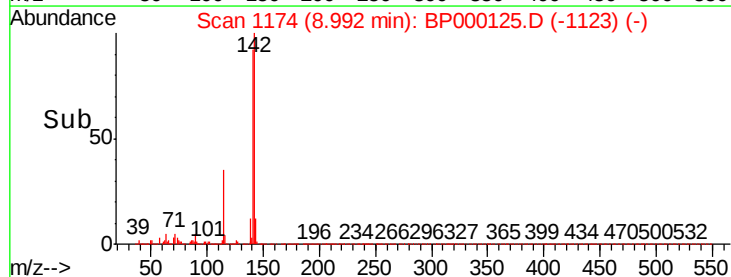
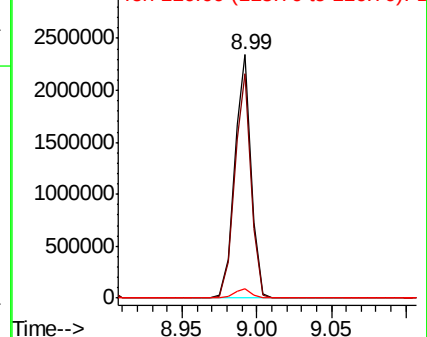
116 3.8 3.4 5.0

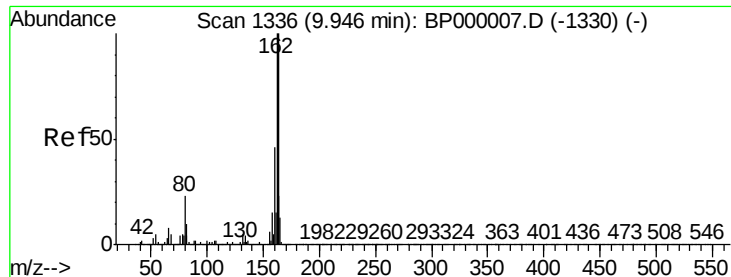


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

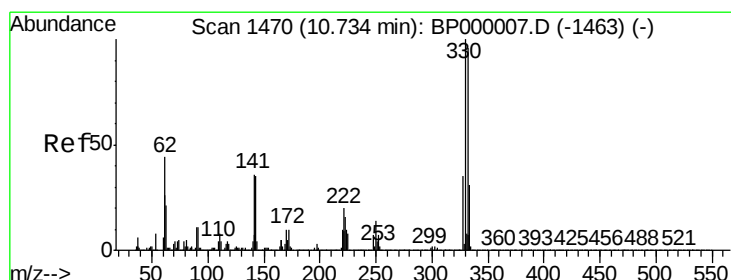
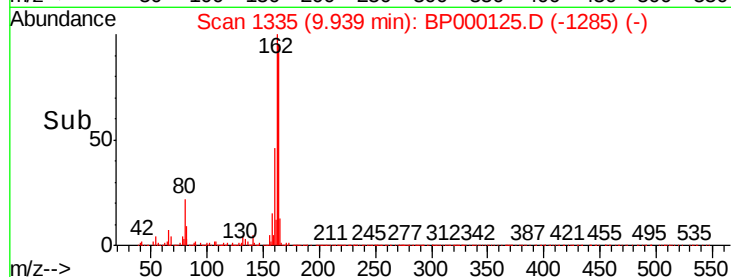
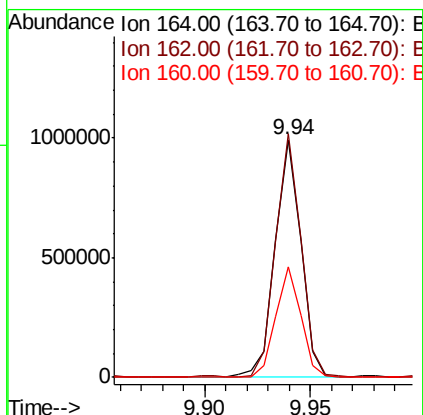
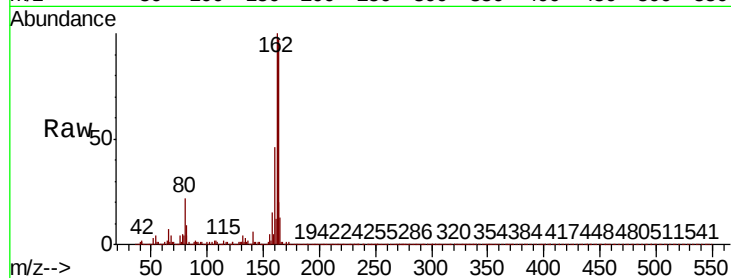




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

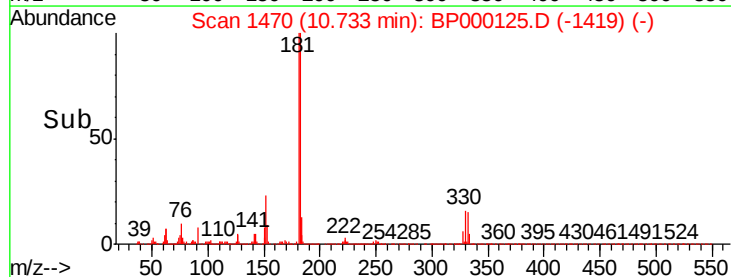
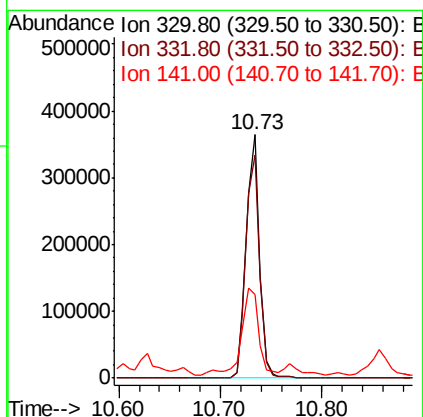
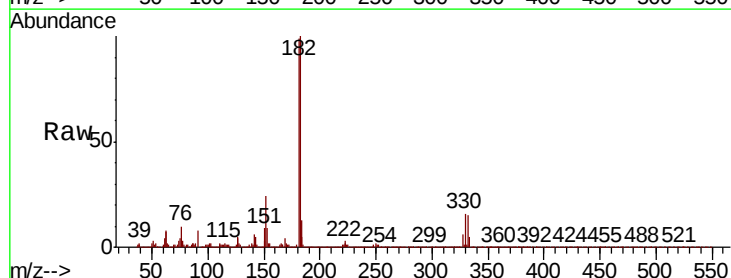
Instrument :  
BNA\_P  
ClientSampleId :

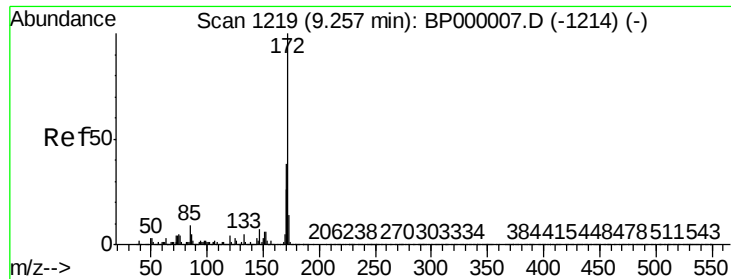
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 80.2  | 120.4 |
| 160     | 46.8  | 36.6  | 55.0  |



#42  
2,4,6-Tribromophenol  
Concen: 46.878 ng  
RT: 10.73 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 76.8  | 115.2 |
| 141     | 45.9  | 33.6  | 50.4  |

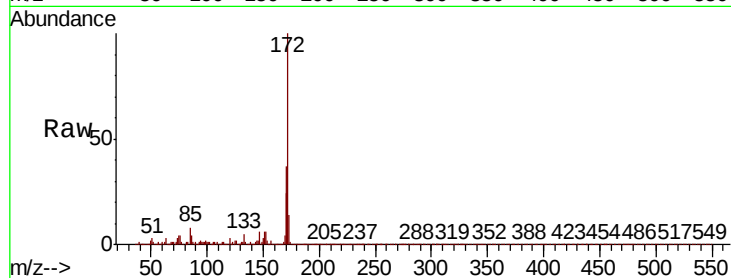




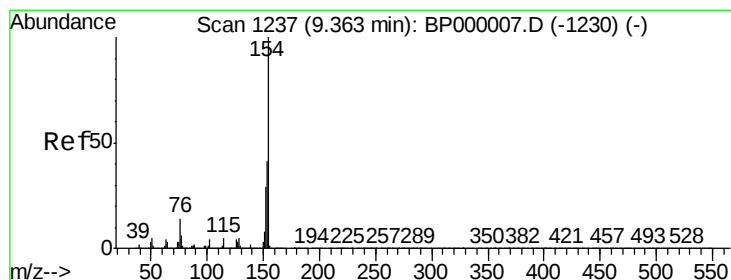
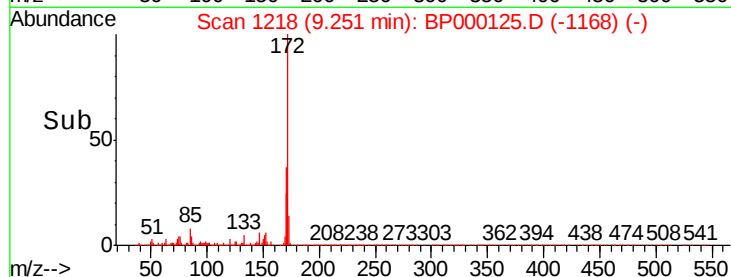
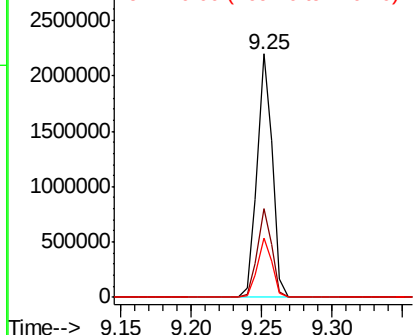
#45  
2-Fluorobiphenyl  
Concen: 33.097 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Instrument :  
BNA\_P  
ClientSampled :

Tot Ion:172 Resp: 1681888  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.7 46.1  
170 24.2 20.7 31.1

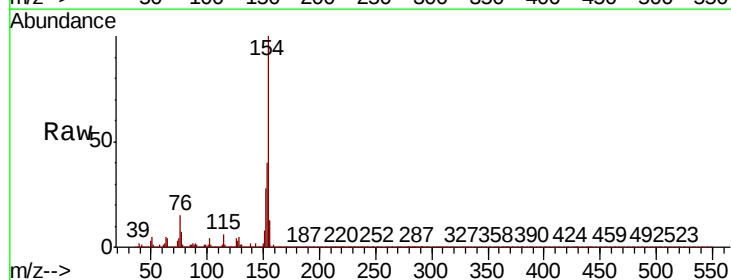


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

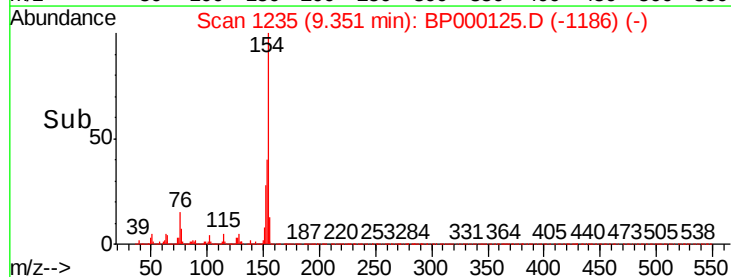
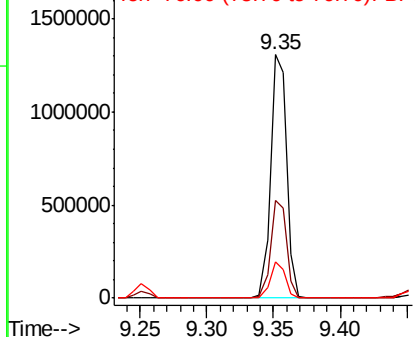


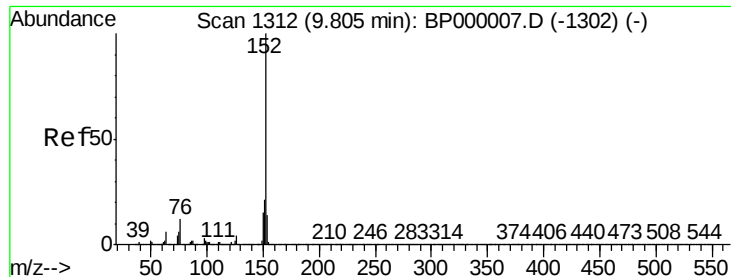
#46  
1,1'-Biphenyl  
Concen: 18.312 ng  
RT: 9.35 min Scan# 1235  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Tgt Ion:154 Resp: 1097110  
Ion Ratio Lower Upper  
154 100  
153 40.0 21.1 61.1  
76 14.7 0.0 33.7



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): BPO





#49

Acenaphthylene

Concen: 4.256 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampled :

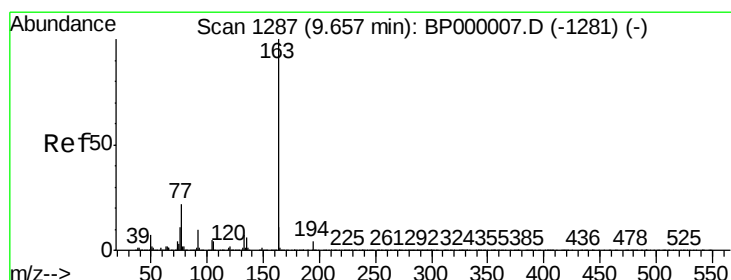
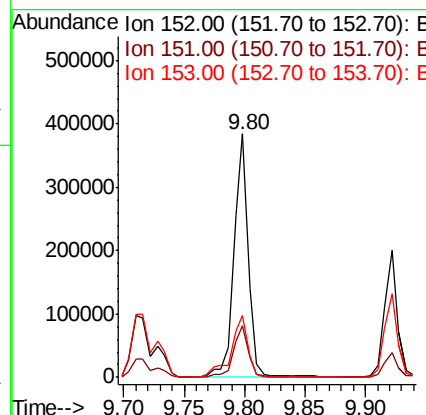
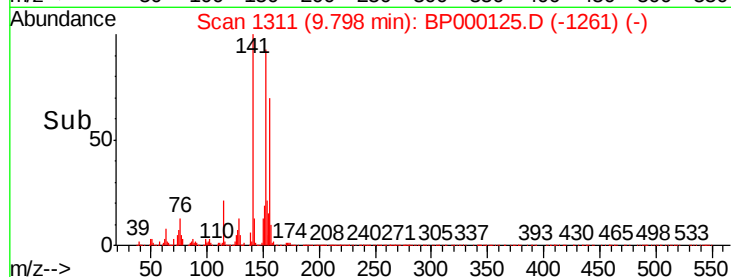
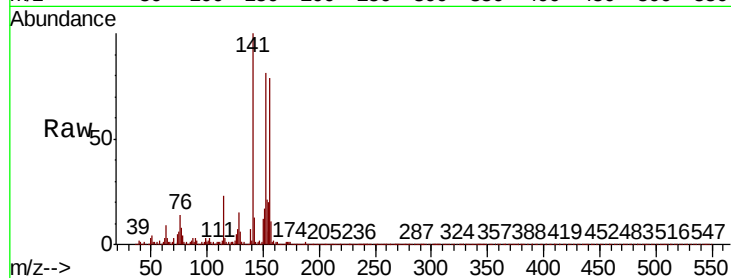
Tot Ion:152 Resp: 314100

Ion Ratio Lower Upper

152 100

151 21.1 17.0 25.6

153 25.2 11.0 16.6#



#50

Dimethylphthalate

Concen: 4.011 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

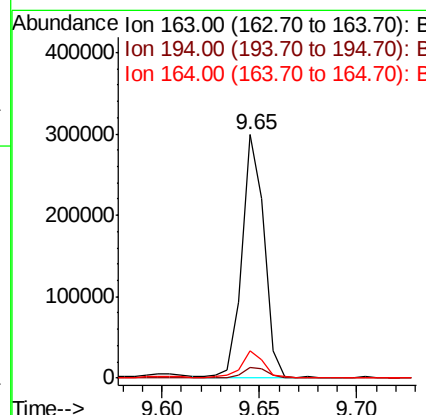
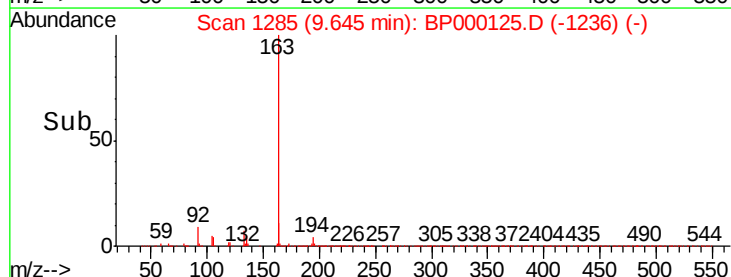
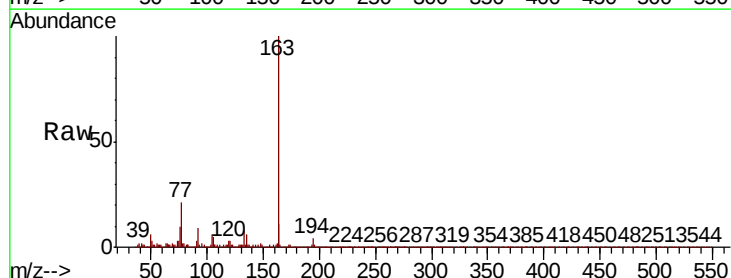
Tgt Ion:163 Resp: 231949

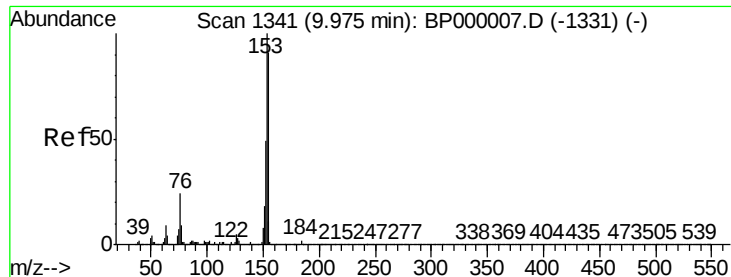
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 11.2 8.4 12.6





#52

Acenaphthene

Concen: 102.746 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampleId :

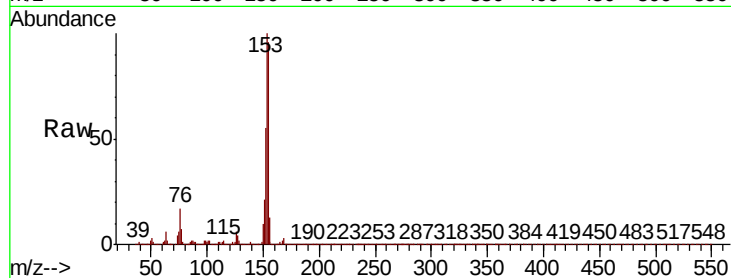
Tot Ion:154 Resp: 4757604

Ion Ratio Lower Upper

154 100

153 104.6 88.2 132.2

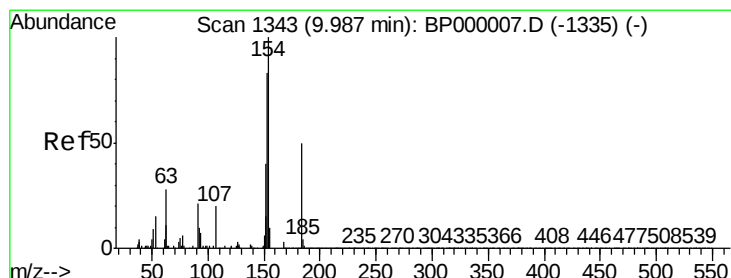
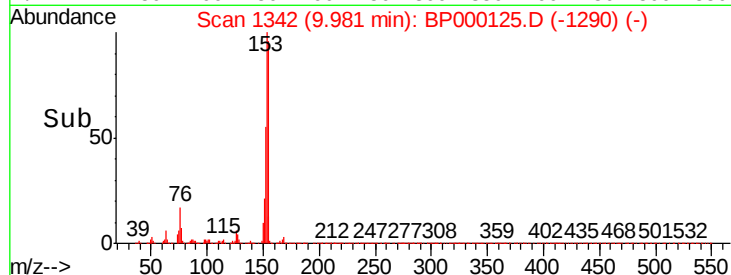
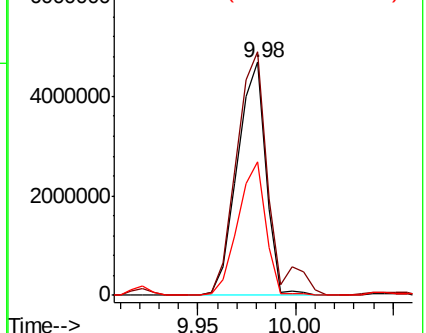
152 57.2 42.9 64.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 8.698 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

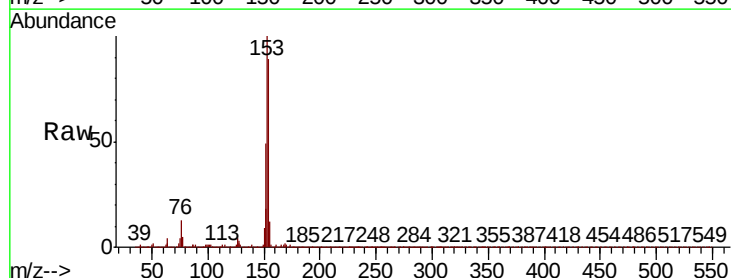
Tgt Ion:184 Resp: 255

Ion Ratio Lower Upper

184 100

63 24960.5 46.0 69.0#

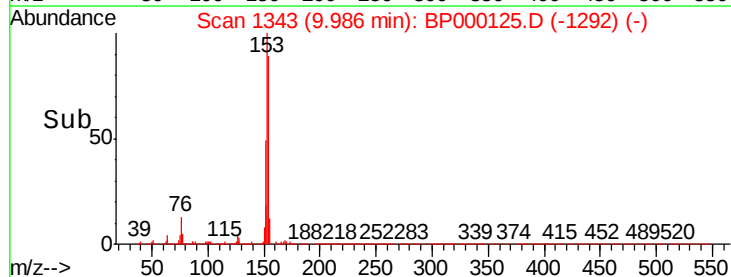
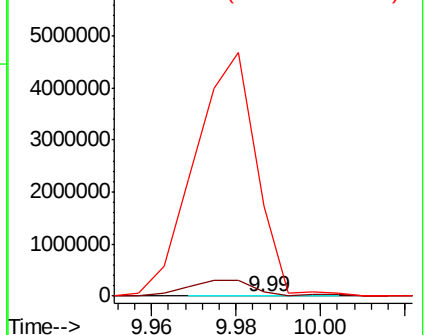
154 544742.3 161.9 242.9#

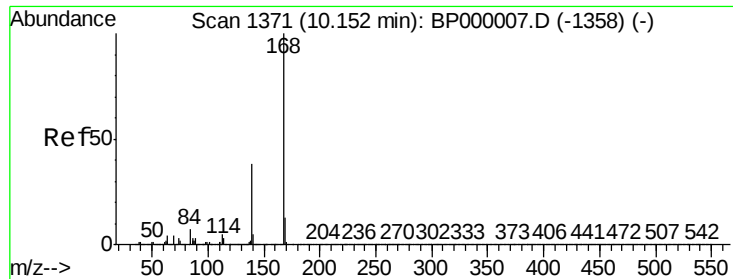


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 90.141 ng

RT: 10.15 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampleId :

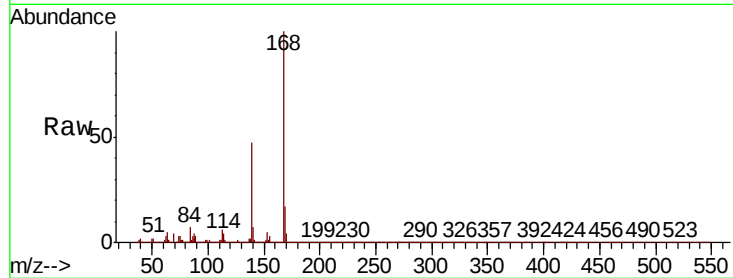
Tot Ion:168 Resp: 5926984

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 46.6  | 30.2  | 45.2# |
| 169 | 16.5  | 10.7  | 16.1# |

168 100

139 46.6 30.2 45.2#

169 16.5 10.7 16.1#

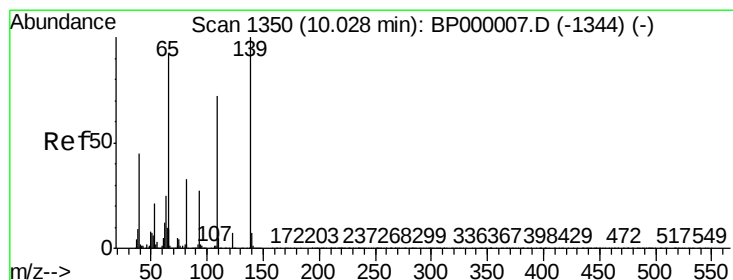
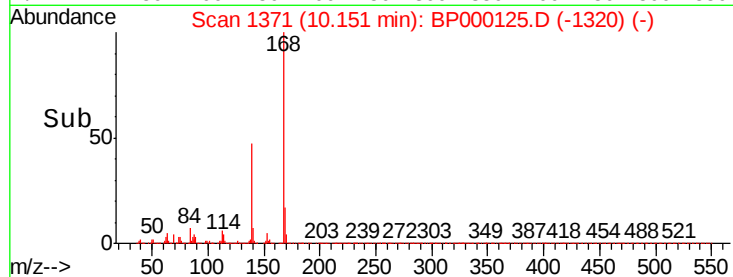
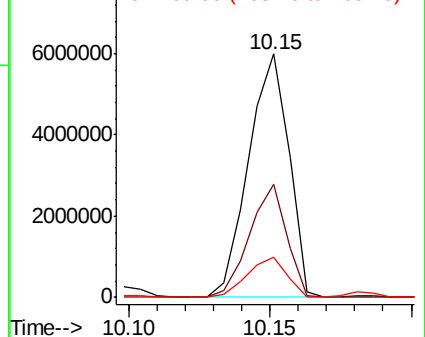


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 241.487 ng

RT: 10.15 min Scan# 1371

Delta R.T. 0.12 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

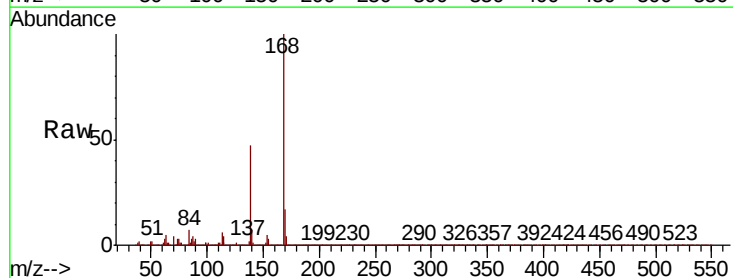
Tgt Ion:139 Resp: 2531130

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 139 | 100   |       |        |
| 109 | 0.9   | 52.4  | 92.4#  |
| 65  | 1.2   | 72.2  | 112.2# |

139 100

109 0.9 52.4 92.4#

65 1.2 72.2 112.2#

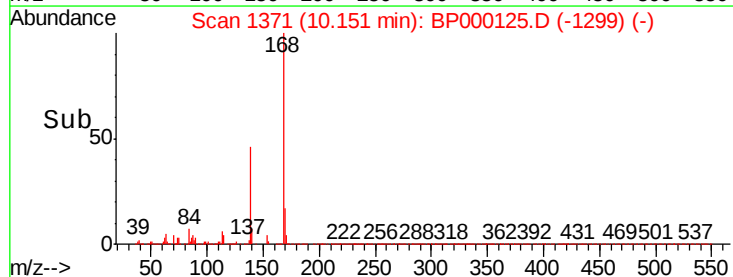
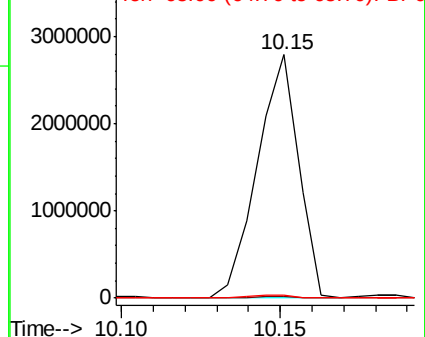


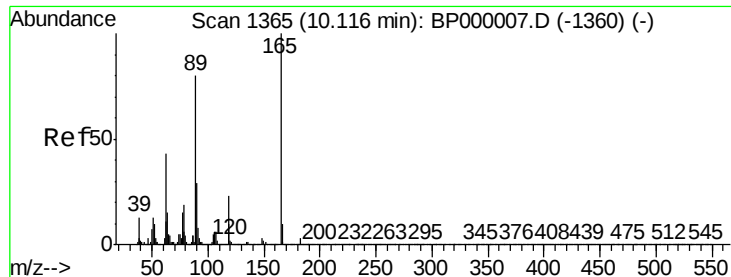
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

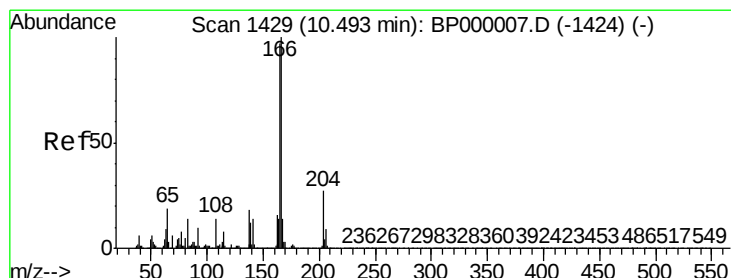
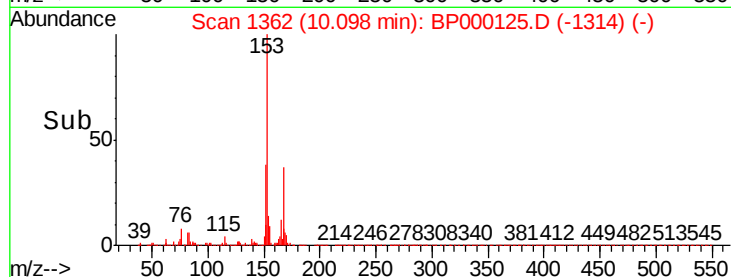
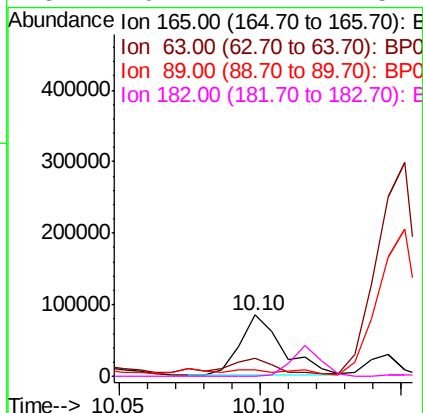
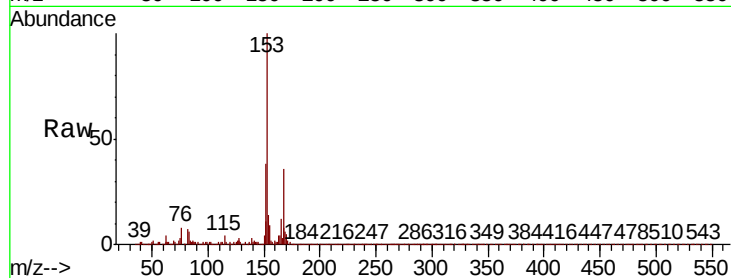




#57  
2,4-Dinitrotoluene  
Concen: 5.617 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.02 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

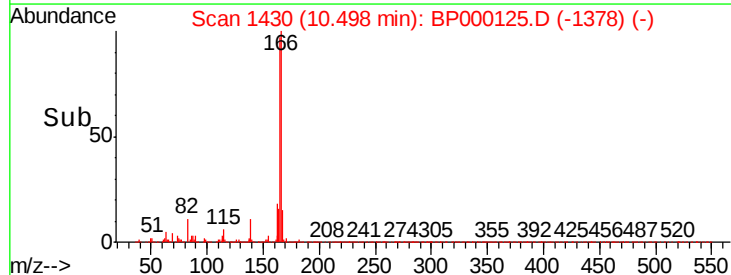
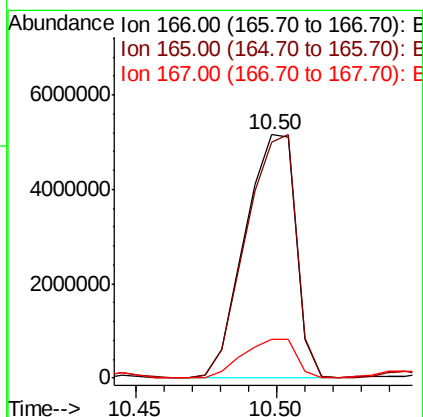
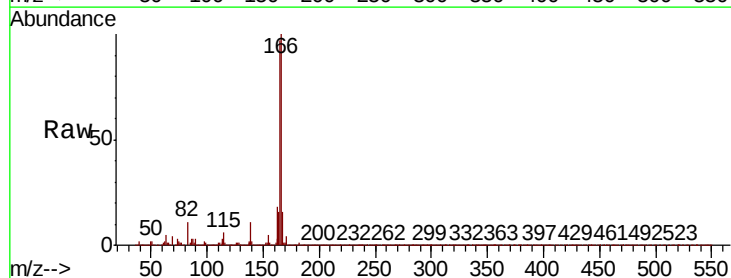
Instrument :  
BNA\_P  
ClientSampleId :

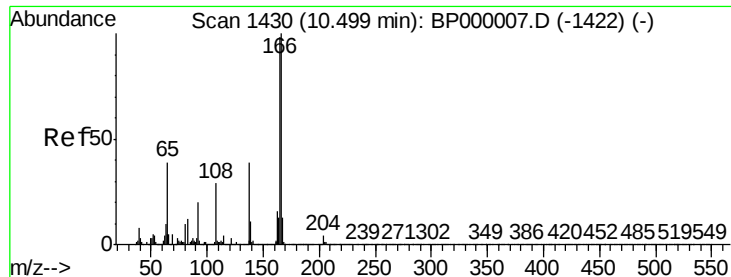
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 30.3  | 34.4  | 51.6# |
| 89      | 11.3  | 64.3  | 96.5# |
| 182     | 0.2   | 2.2   | 3.4#  |



#58  
Fluorene  
Concen: 129.767 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. 0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.7  | 77.3  | 115.9 |
| 167     | 15.9  | 11.0  | 16.6  |





#62

4-Nitroaniline

Concen: 6.272 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampled :

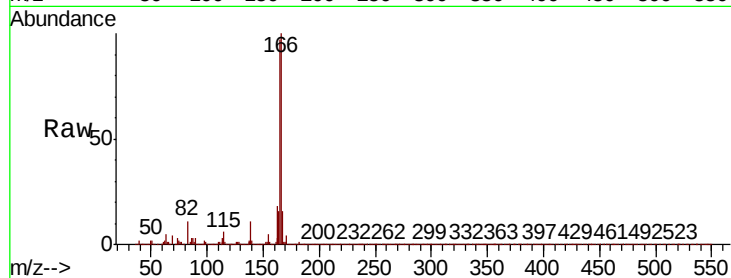
Tot Ion:138 Resp: 87732

Ion Ratio Lower Upper

138 100

92 2.4 32.8 72.8#

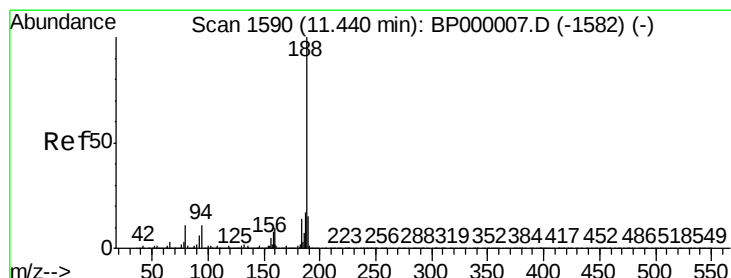
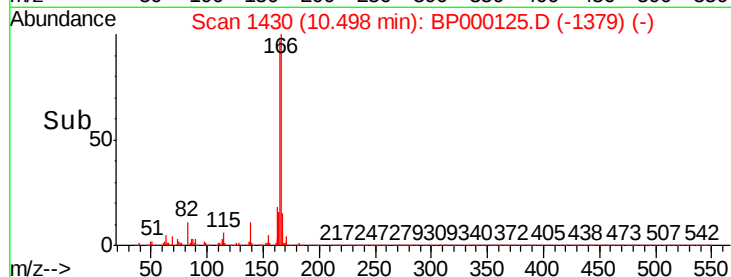
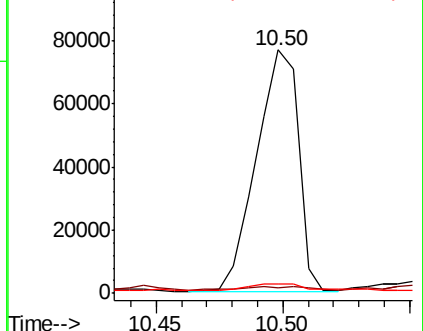
108 4.0 55.7 95.7#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

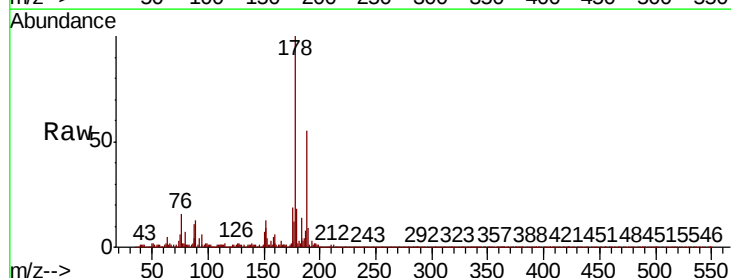
Tgt Ion:188 Resp: 1124978

Ion Ratio Lower Upper

188 100

94 11.6 8.8 13.2

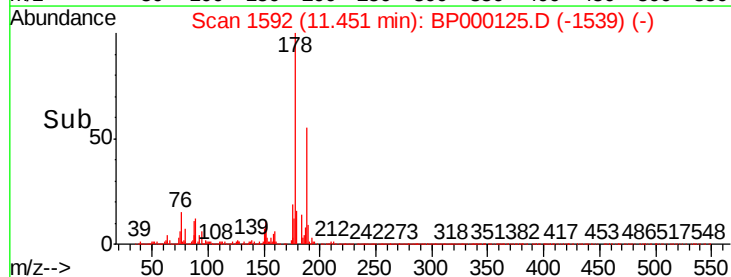
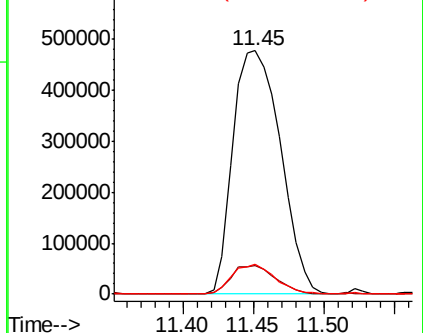
80 12.3 9.0 13.6

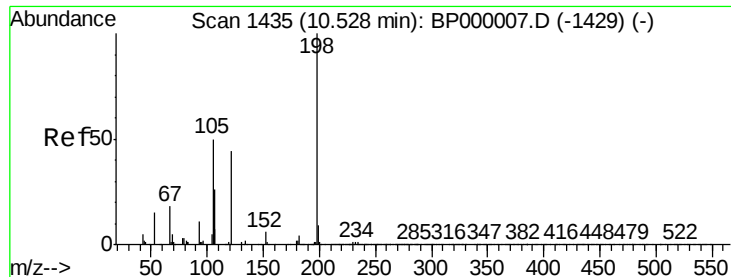


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

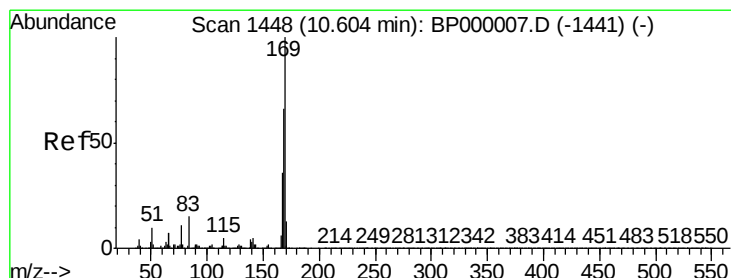
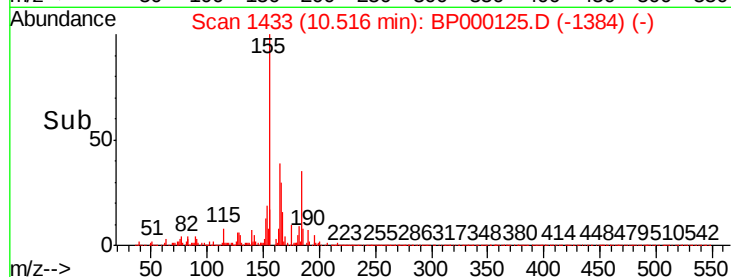
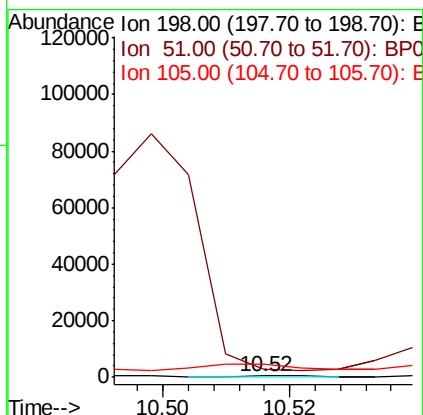
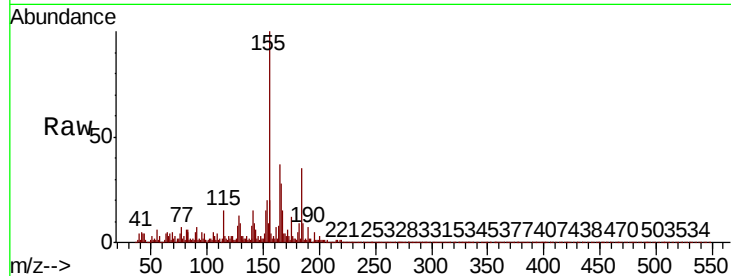




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.791 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

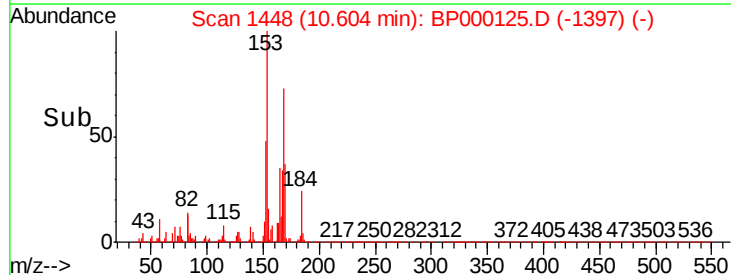
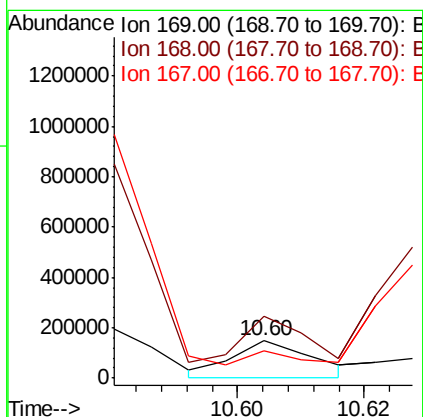
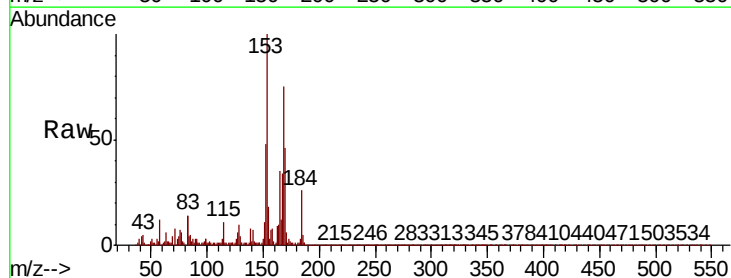
Instrument :  
BNA\_P  
ClientSampleId :

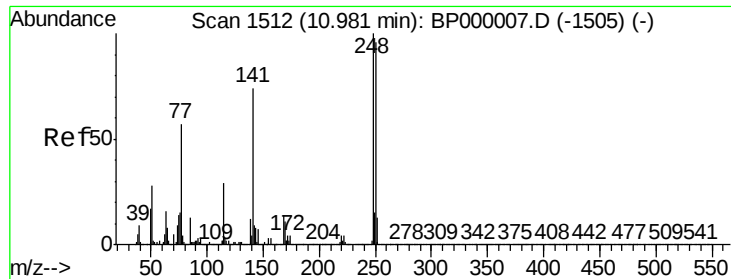
Tot Ion:198 Resp: 343  
Ion Ratio Lower Upper  
198 100  
51 480.2 22.1 62.1#  
105 845.0 32.0 72.0#



#66  
n-Nitrosodiphenylamine  
Concen: 3.729 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Tgt Ion:169 Resp: 124629  
Ion Ratio Lower Upper  
169 100  
168 164.1 52.9 79.3#  
167 74.7 29.2 43.8#

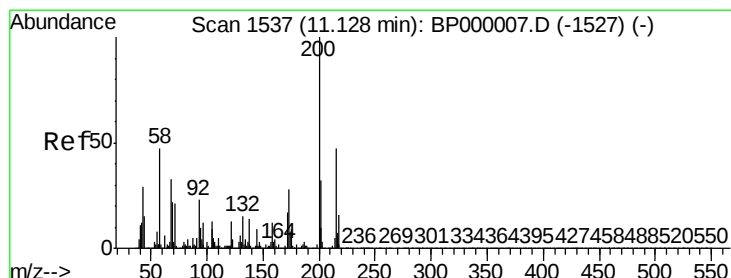
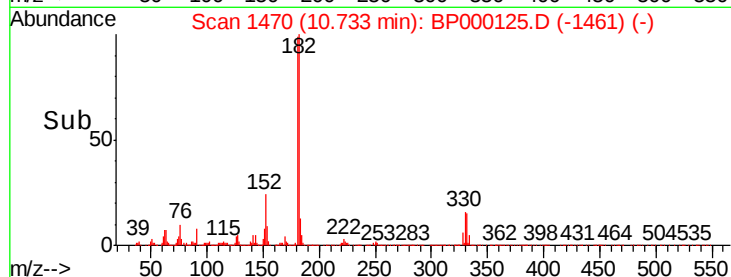
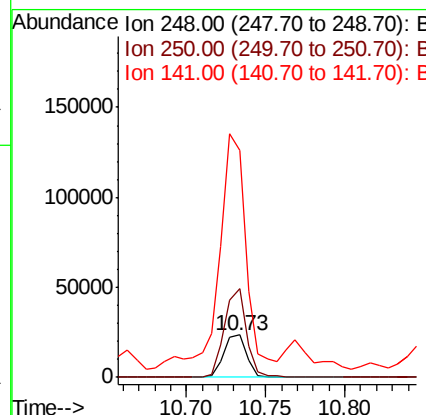
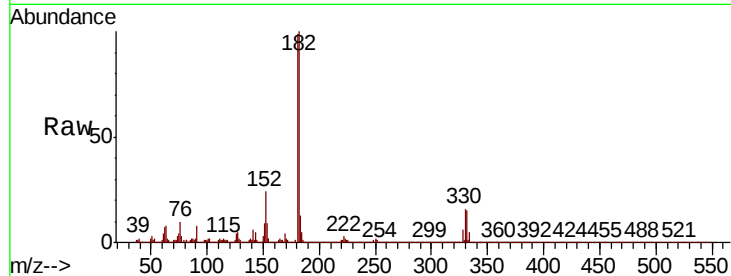




#67  
4-Bromophenyl-phenylether  
Concen: 2.101 ng  
RT: 10.73 min Scan# 1470  
Delta R.T. -0.25 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

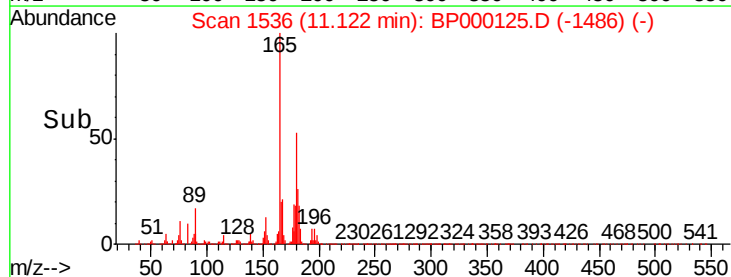
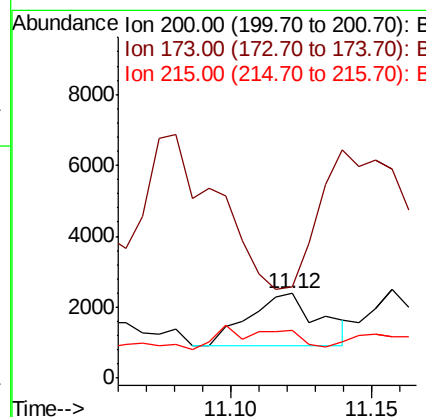
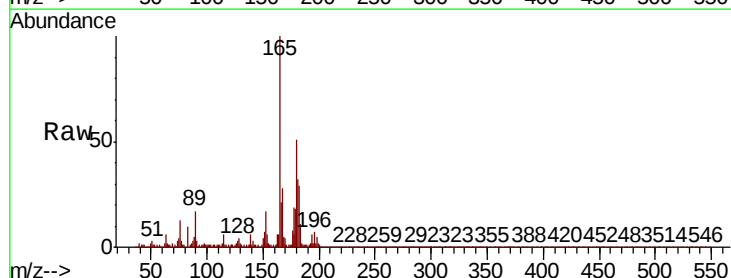
Instrument :  
BNA\_P  
ClientSampleId :

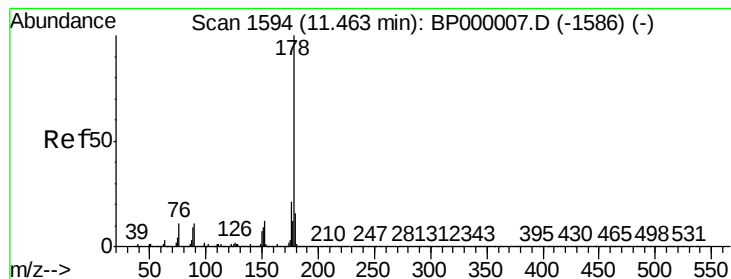
Tot Ion:248 Resp: 24015  
Ion Ratio Lower Upper  
248 100  
250 207.6 77.1 115.7#  
141 534.0 59.5 89.3#



#69  
Atrazine  
Concen: Below Cal  
RT: 11.12 min Scan# 1536  
Delta R.T. -0.01 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Tgt Ion:200 Resp: 2503  
Ion Ratio Lower Upper  
200 100  
173 108.1 8.1 48.1#  
215 57.3 26.7 66.7





#71

Phenanthrene

Concen: 470.129 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.05 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampled :

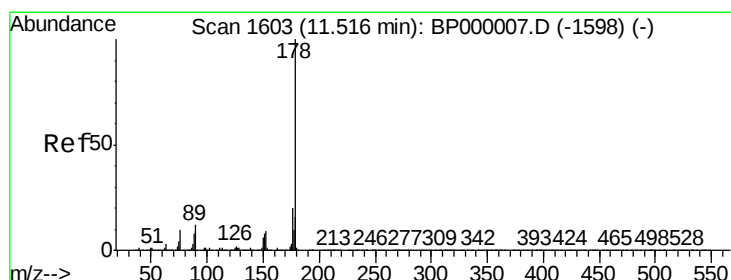
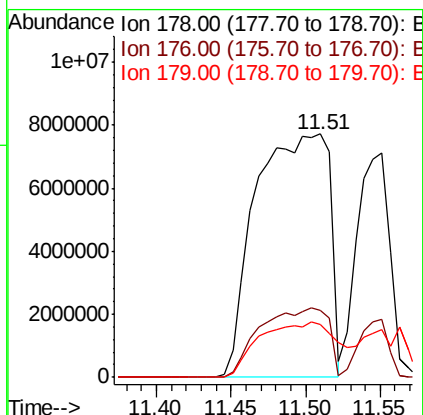
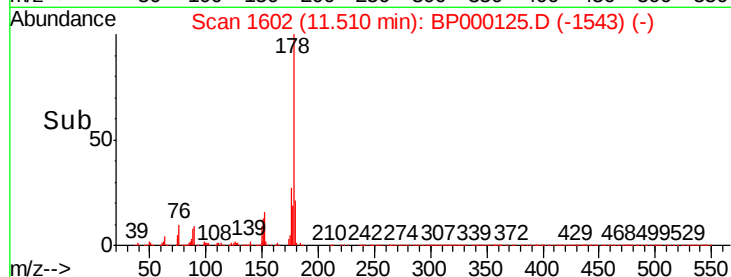
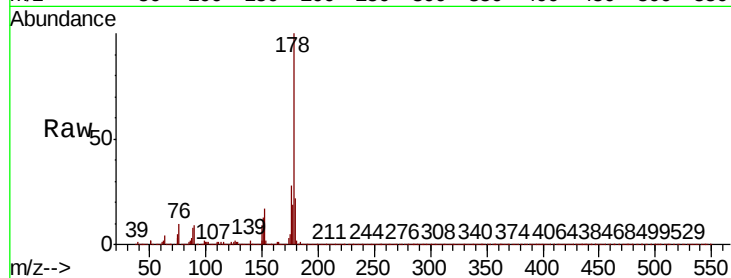
Tot Ion:178 Resp:26360664

Ion Ratio Lower Upper

178 100

176 27.5 16.7 25.1#

179 21.8 13.1 19.7#



#72

Anthracene

Concen: 475.915 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

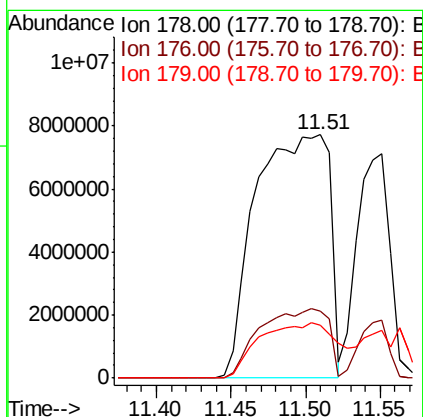
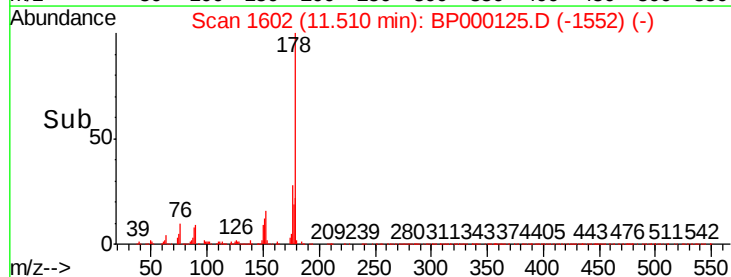
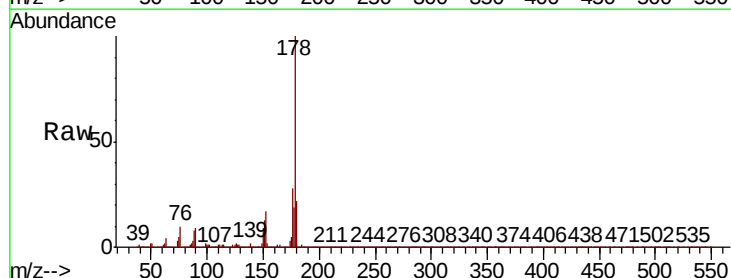
Tgt Ion:178 Resp:26360664

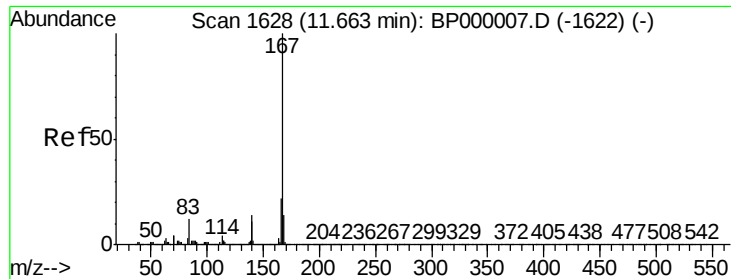
Ion Ratio Lower Upper

178 100

176 27.5 15.9 23.9#

179 21.8 13.0 19.6#

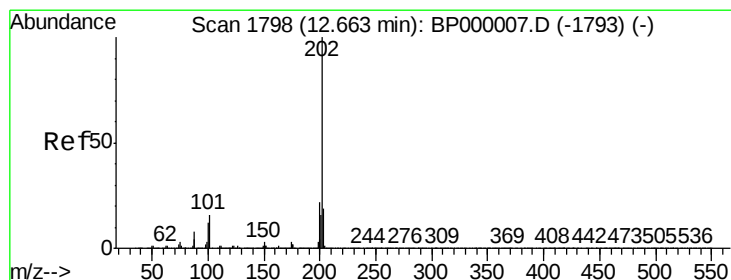
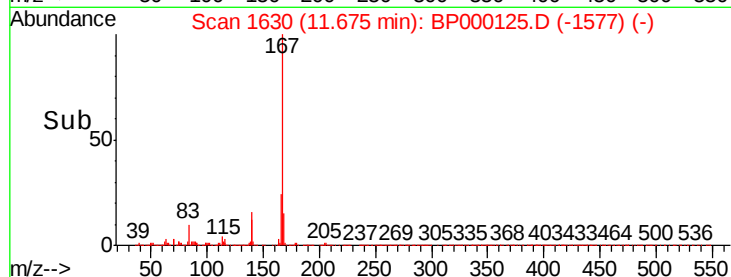
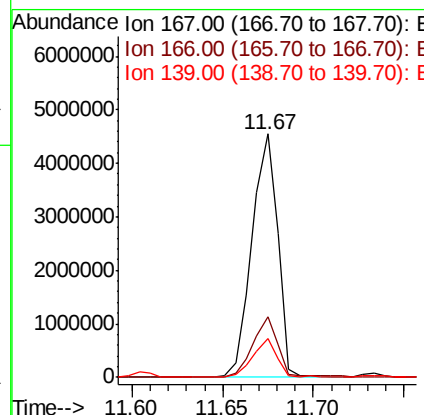
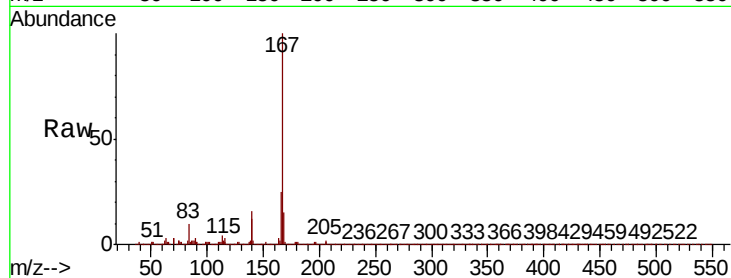




#73  
 Carbazole  
 Concen: 85.751 ng  
 RT: 11.67 min Scan# 1630  
 Delta R.T. 0.01 min  
 Lab File: BP000125.D  
 Acq: 09 Sep 2019 06:01

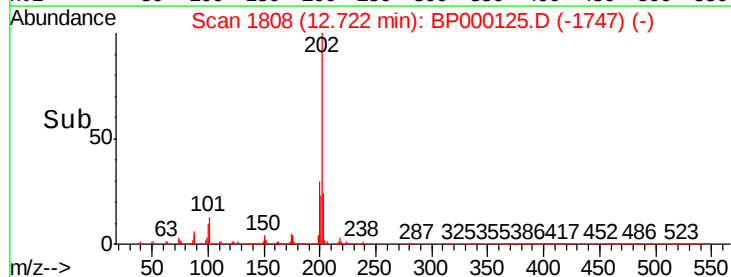
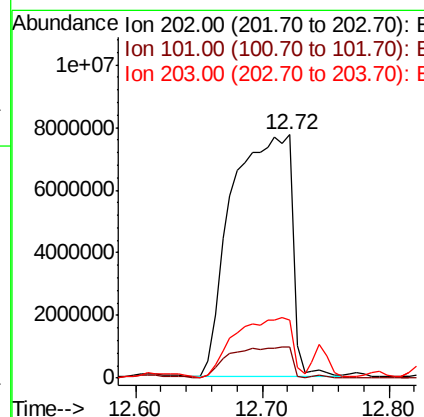
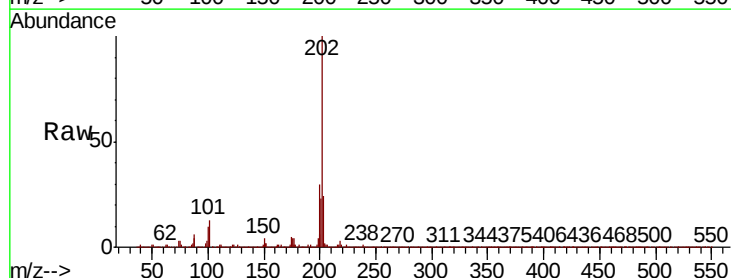
Instrument :  
 BNA\_P  
 ClientSampleId :

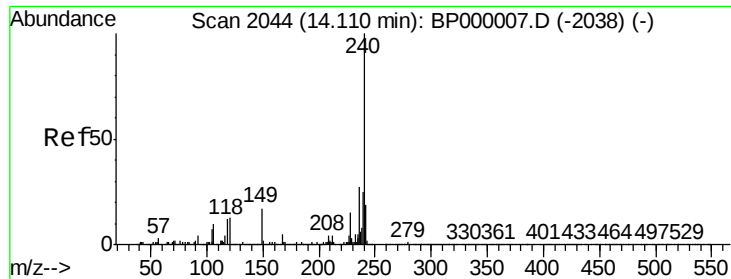
Tot Ion:167 Resp: 4483233  
 Ion Ratio Lower Upper  
 167 100  
 166 24.6 17.9 26.9  
 139 15.8 11.4 17.2



#75  
 Fluoranthene  
 Concen: 419.972 ng  
 RT: 12.72 min Scan# 1808  
 Delta R.T. 0.06 min  
 Lab File: BP000125.D  
 Acq: 09 Sep 2019 06:01

Tgt Ion:202 Resp:25589550  
 Ion Ratio Lower Upper  
 202 100  
 101 12.6 0.0 36.4  
 203 23.8 0.0 38.7

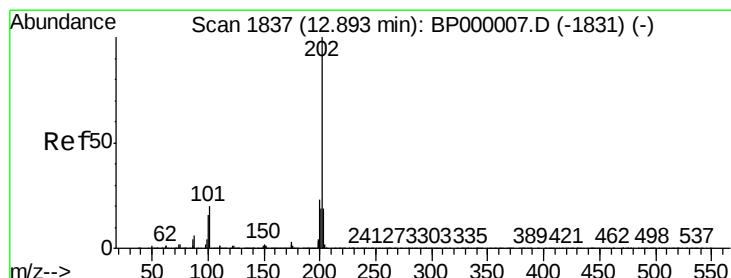
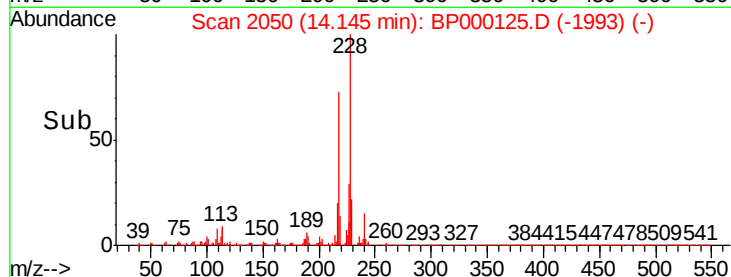
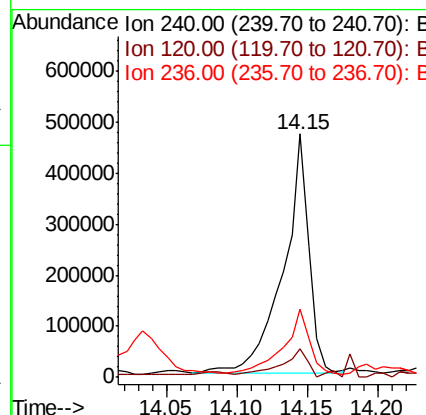
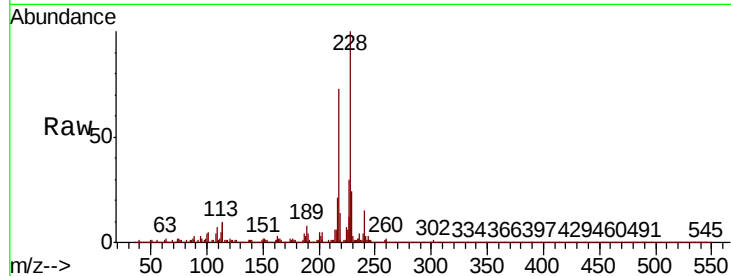




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2050  
Delta R.T. 0.03 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

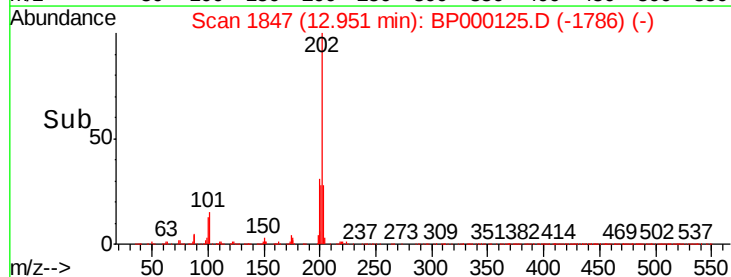
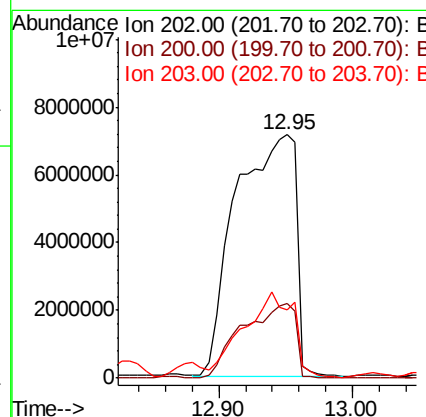
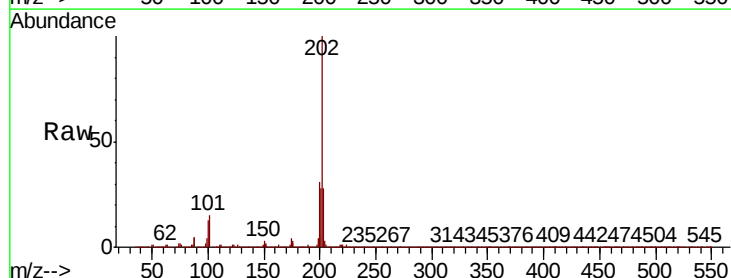
Instrument :  
BNA\_P  
ClientSampleId :

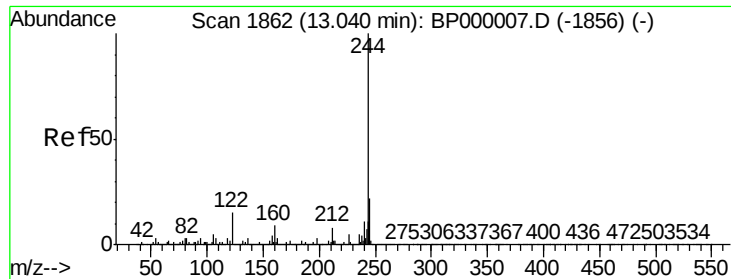
Tot Ion:240 Resp: 587464  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.5 15.7  
236 27.8 21.5 32.3



#78  
Pyrene  
Concen: 519.975 ng  
RT: 12.95 min Scan# 1847  
Delta R.T. 0.06 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Tgt Ion:202 Resp:22472193  
Ion Ratio Lower Upper  
202 100  
200 30.6 18.5 27.7#  
203 27.9 15.1 22.7#

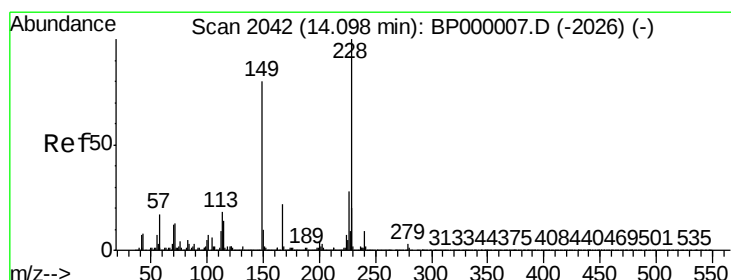
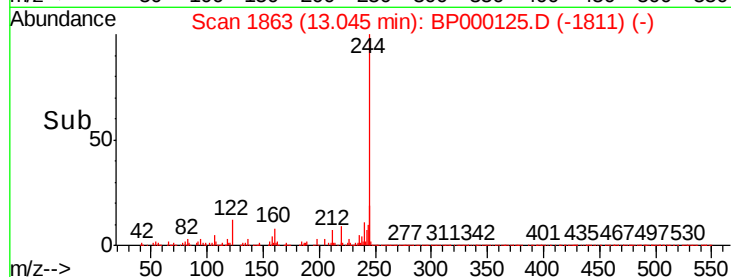
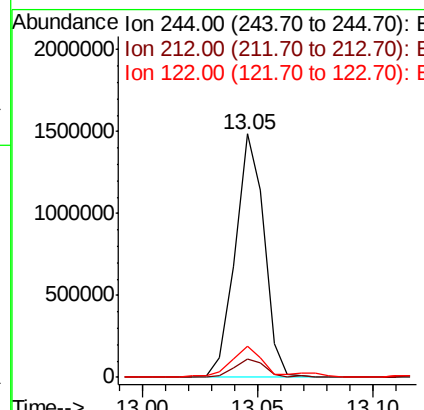
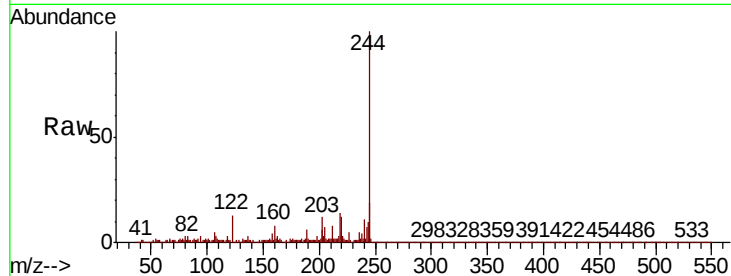




#79  
 Terphenyl-d14  
 Concen: 47.774 ng  
 RT: 13.05 min Scan# 1863  
 Delta R.T. 0.01 min  
 Lab File: BP000125.D  
 Acq: 09 Sep 2019 06:01

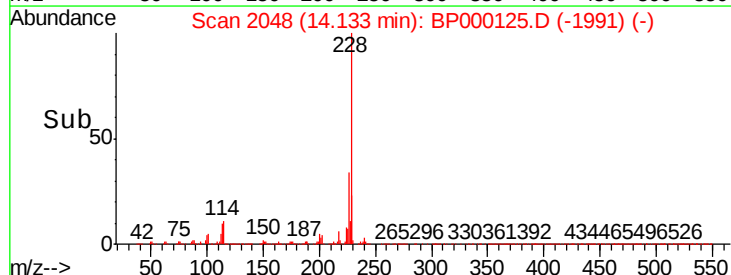
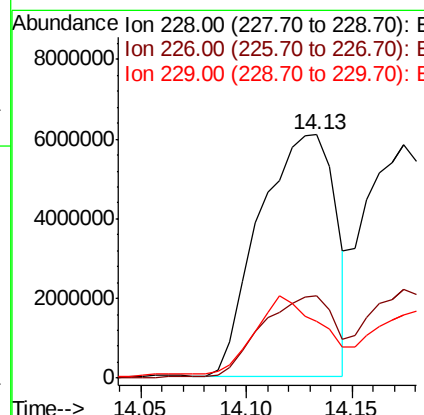
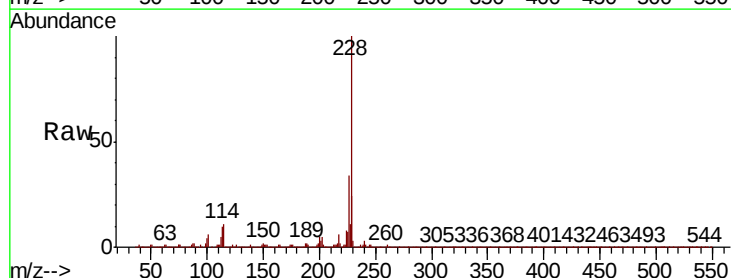
Instrument :  
 BNA\_P  
 ClientSampleId :

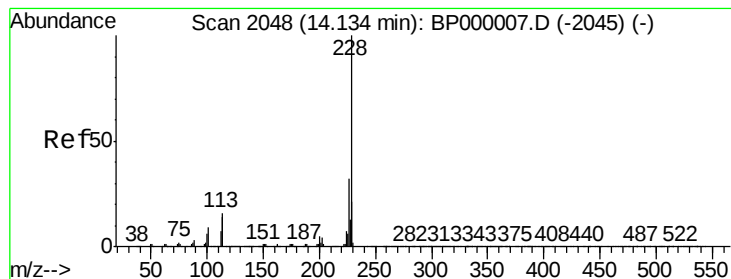
Tot Ion:244 Resp: 1287642  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.6 10.0  
 122 12.8 12.3 18.5



#81  
 Benzo(a)anthracene  
 Concen: 397.914 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. 0.03 min  
 Lab File: BP000125.D  
 Acq: 09 Sep 2019 06:01

Tgt Ion:228 Resp:15147618  
 Ion Ratio Lower Upper  
 228 100  
 226 34.0 22.5 33.7#  
 229 23.5 16.2 24.2





#83

Chrysene

Concen: 420.685 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampleId :

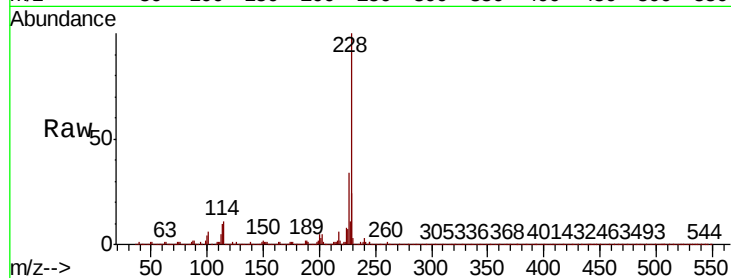
Tot Ion:228 Resp:15147618

Ion Ratio Lower Upper

228 100

226 34.0 25.5 38.3

229 23.5 16.5 24.7

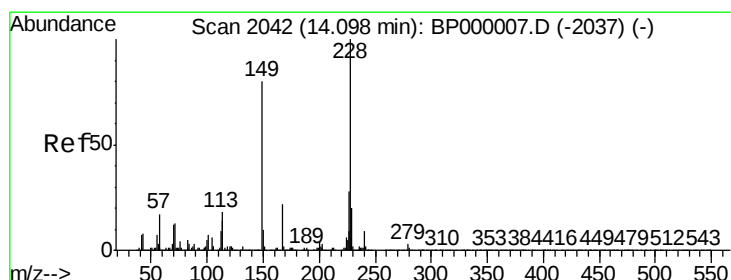
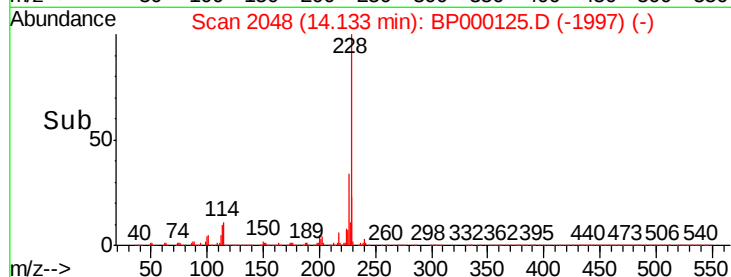
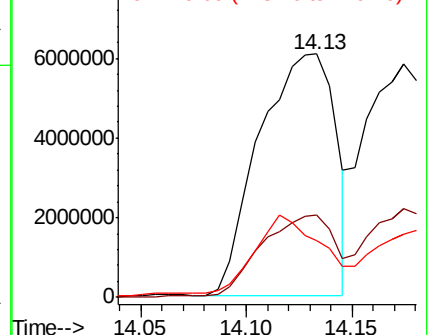


Abundance

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

Bis(2-ethylhexyl)phthalate

Concen: 3.625 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.00 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

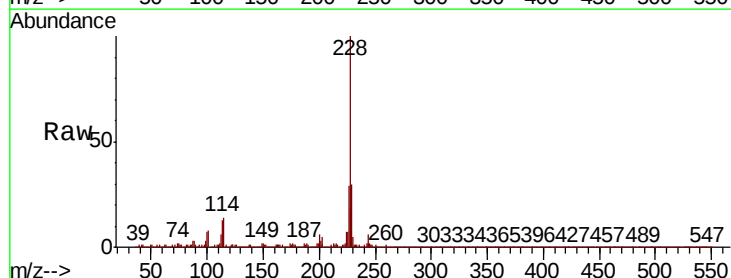
Tgt Ion:149 Resp: 90838

Ion Ratio Lower Upper

149 100

167 32.9 22.4 33.6

279 6.4 3.1 4.7#

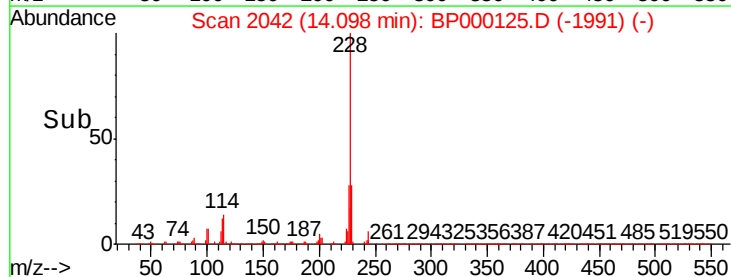
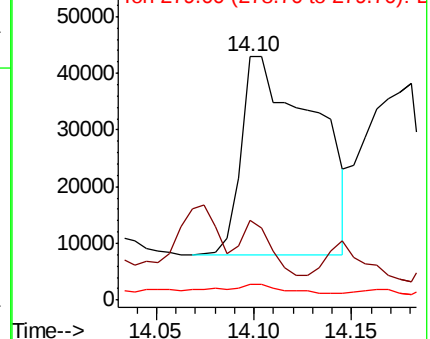


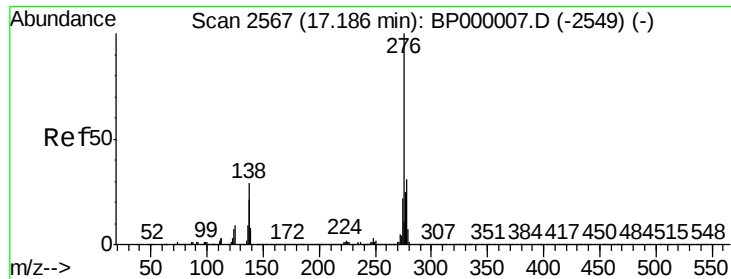
Abundance

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

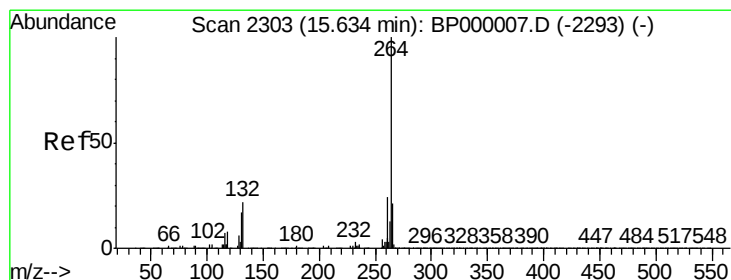
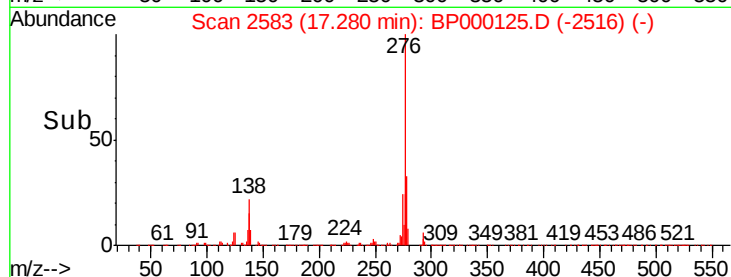
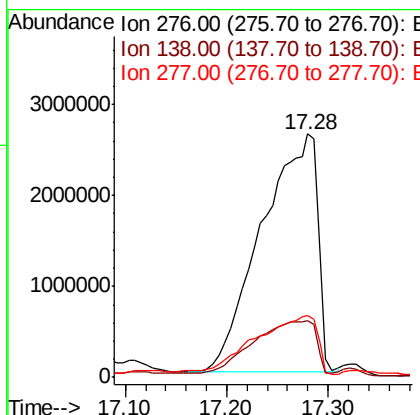
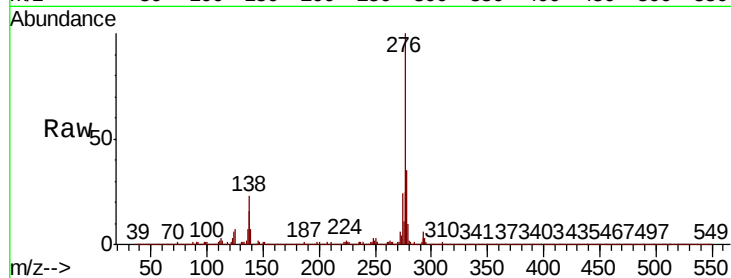




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 223.657 ng  
 RT: 17.28 min Scan# 2583  
 Delta R.T. 0.09 min  
 Lab File: BP000125.D  
 Acq: 09 Sep 2019 06:01

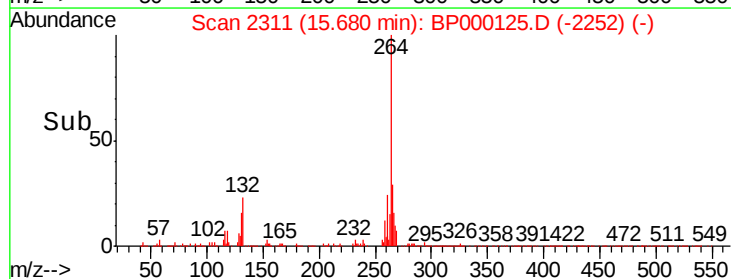
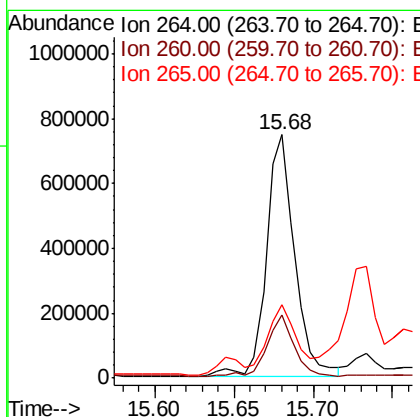
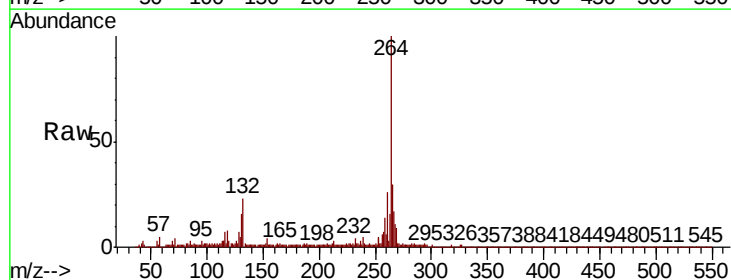
Instrument :  
 BNA\_P  
 ClientSampleId :

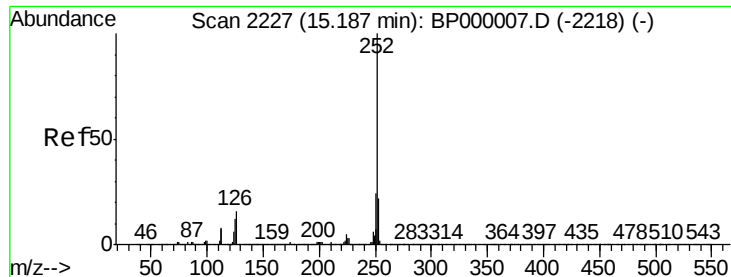
Tot Ion:276 Resp:10091197  
 Ion Ratio Lower Upper  
 276 100  
 138 24.1 26.5 39.7#  
 277 27.5 20.3 30.5



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2311  
 Delta R.T. 0.05 min  
 Lab File: BP000125.D  
 Acq: 09 Sep 2019 06:01

Tgt Ion:264 Resp: 932561  
 Ion Ratio Lower Upper  
 264 100  
 260 25.8 19.1 28.7  
 265 30.3 17.1 25.7#

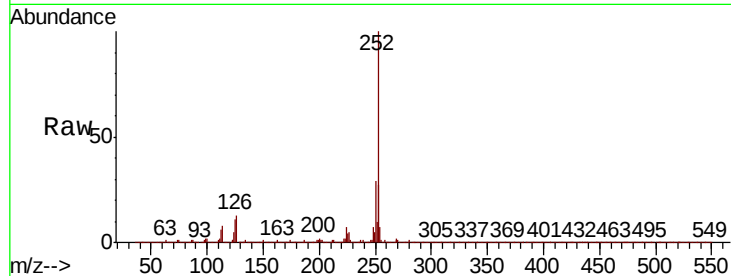




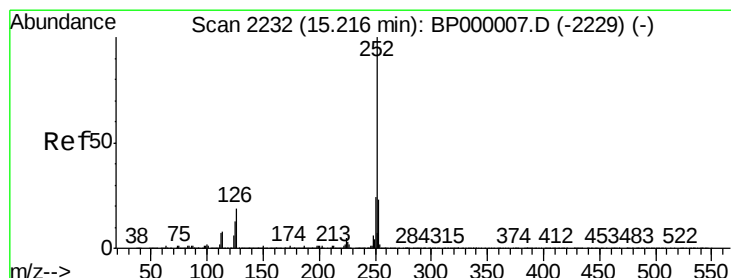
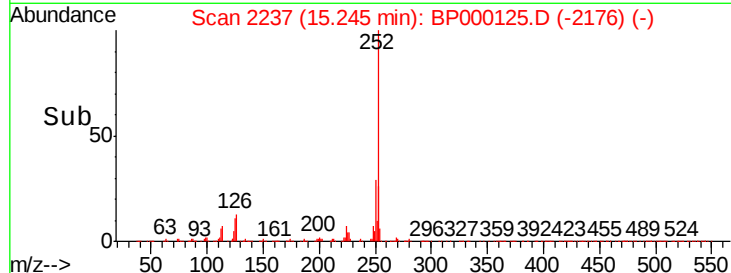
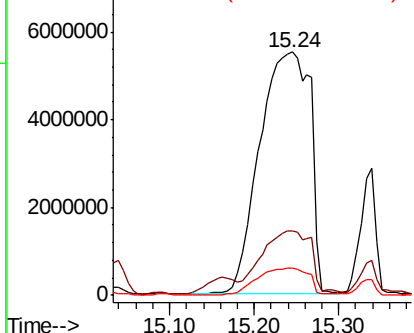
#88  
Benzo(b)fluoranthene  
Concen: 404.165 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. 0.06 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:252 Resp:23022271  
Ion Ratio Lower Upper  
252 100  
253 26.5 17.8 26.6  
125 11.0 9.4 14.2

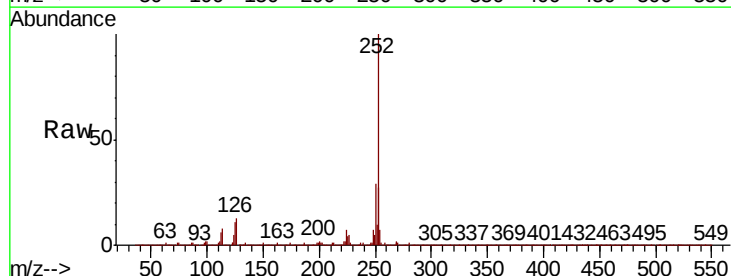


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

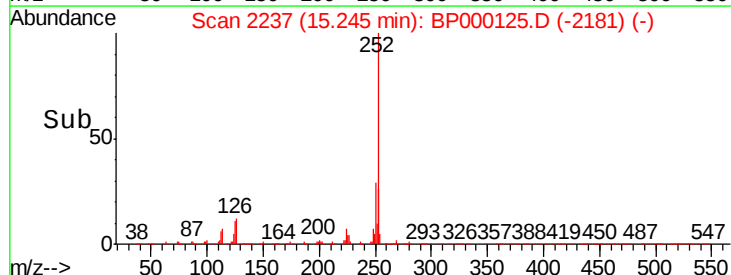
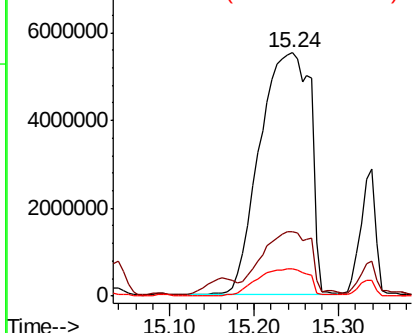


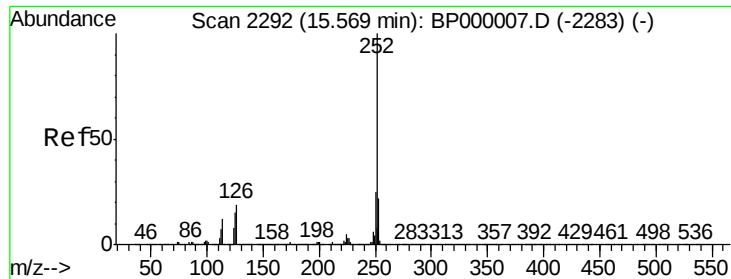
#89  
Benzo(k)fluoranthene  
Concen: 441.657 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. 0.03 min  
Lab File: BP000125.D  
Acq: 09 Sep 2019 06:01

Tgt Ion:252 Resp:23022271  
Ion Ratio Lower Upper  
252 100  
253 26.5 18.0 27.0  
125 11.0 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 180.520 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

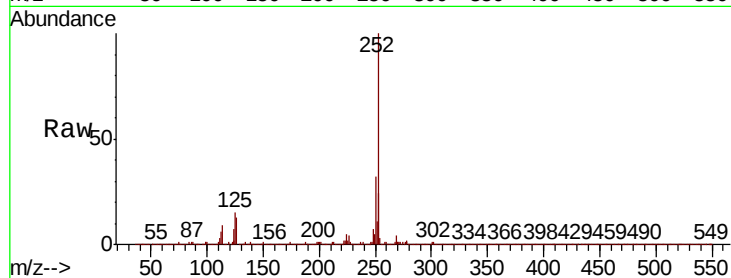
Instrument :

BNA\_P

ClientSampled :

Tot Ion:252 Resp: 9282386

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.9  | 17.5  | 26.3  |
| 125 | 14.9  | 11.7  | 17.5  |

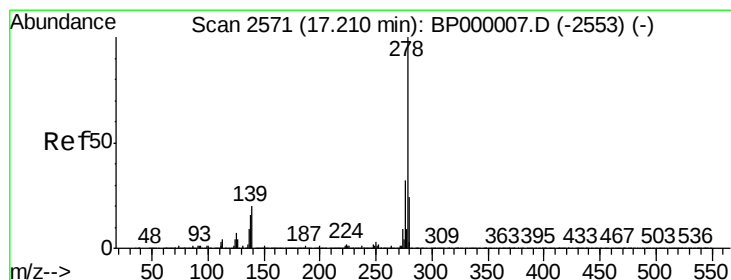
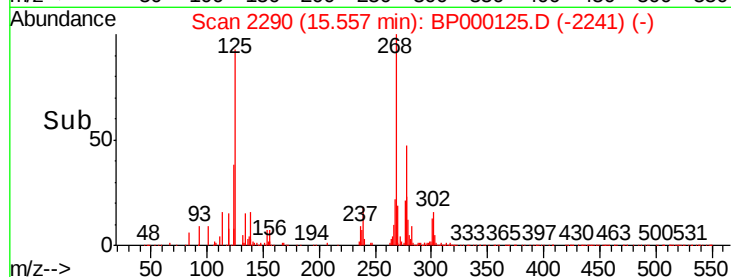
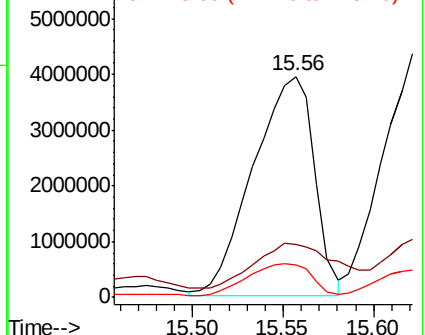


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 42.261 ng

RT: 17.43 min Scan# 2608

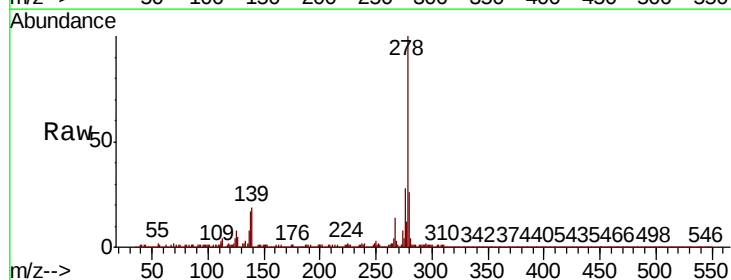
Delta R.T. 0.22 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Tgt Ion:278 Resp: 2173126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 19.3  | 16.4  | 24.6  |
| 279 | 25.5  | 19.2  | 28.8  |

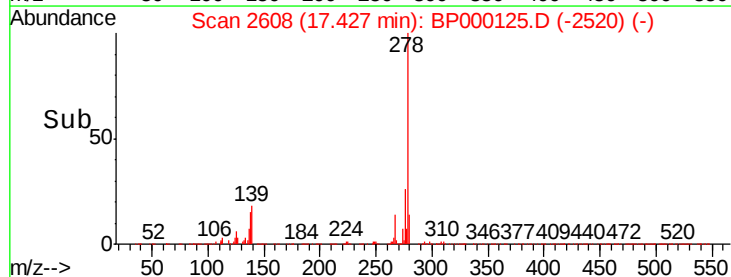
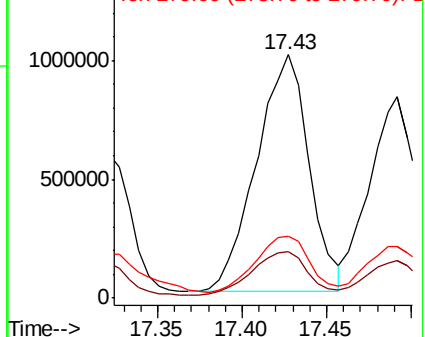


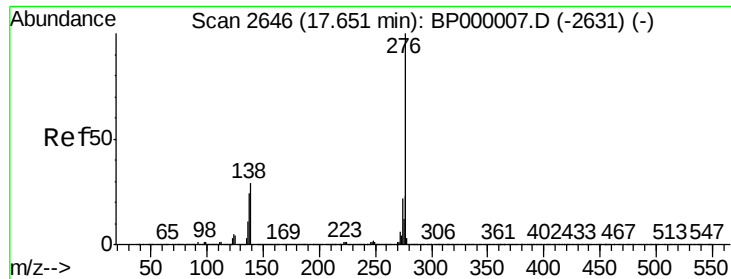
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 182.410 ng

RT: 17.76 min Scan# 2664

Delta R.T. 0.11 min

Lab File: BP000125.D

Acq: 09 Sep 2019 06:01

Instrument :

BNA\_P

ClientSampleId :

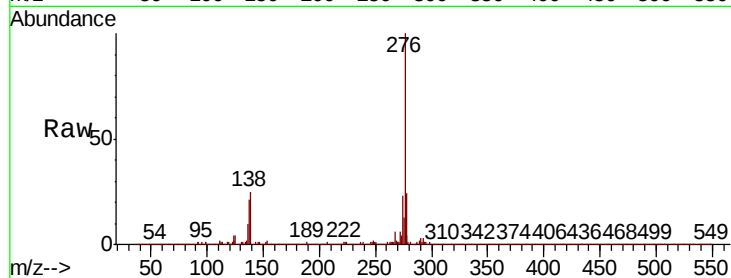
Tot Ion:276 Resp: 9284021

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 25.2 23.0 34.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

