

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\  
 Data File : BP000900.D  
 Acq On : 19 Oct 2019 01:05  
 Operator : JU  
 Sample : K5420-13  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-1

Quant Time: Oct 19 02:24:07 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 16:40:44 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 165827   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 599806   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.79  | 164  | 323850   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.29 | 188  | 590135   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.96 | 240  | 497273   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.44 | 264  | 574682   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

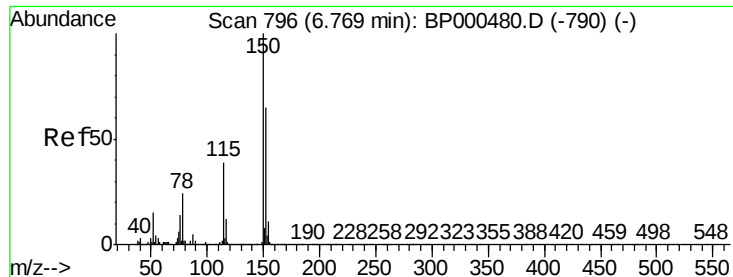
|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 954894  | 92.56  | ng | 0.02 |
| 7) Phenol-d6             | 6.40  | 99  | 1222341 | 98.33  | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.30  | 82  | 637656  | 64.93  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.59 | 330 | 373592  | 108.26 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.10  | 172 | 1379279 | 68.91  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.89 | 244 | 1479774 | 60.25  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 10) Phenol                     | 6.41  | 94  | 29879   | 2.347  | ng | # 56   |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70  | 80395   | 14.030 | ng | # 74   |
| 25) Isophorone                 | 7.30  | 82  | 637175  | 36.557 | ng | # 61   |
| 41) Hexachlorocyclopentadiene  | 9.10  | 237 | 19      | 7.301  | ng | 75     |
| 49) Acenaphthylene             | 9.65  | 152 | 67975   | 2.384  | ng | 99     |
| 50) Dimethylphthalate          | 9.50  | 163 | 346819  | 15.412 | ng | 100    |
| 52) Acenaphthene               | 9.82  | 154 | 37636   | 2.176  | ng | 100    |
| 56) 4-Nitrophenol              | 9.99  | 139 | 14784   | 4.118  | ng | # 16   |
| 57) 2,4-Dinitrotoluene         | 9.79  | 165 | 43583   | 6.698  | ng | # 31   |
| 58) Fluorene                   | 10.34 | 166 | 42147   | 2.287  | ng | 98     |
| 67) 4-Bromophenyl-phenylether  | 10.58 | 248 | 25771   | 3.879  | ng | # 1    |
| 71) Phenanthrene               | 11.31 | 178 | 773076  | 26.084 | ng | 99     |
| 72) Anthracene                 | 11.36 | 178 | 195379  | 6.648  | ng | 99     |
| 73) Carbazole                  | 11.52 | 167 | 85551   | 3.140  | ng | 99     |
| 75) Fluoranthene               | 12.52 | 202 | 1471158 | 44.196 | ng | 99     |
| 78) Pyrene                     | 12.75 | 202 | 1300748 | 37.926 | ng | 99     |
| 80) Butylbenzylphthalate       | 13.37 | 149 | 653896  | 43.753 | ng | 98     |
| 81) Benzo(a)anthracene         | 13.95 | 228 | 813620  | 26.816 | ng | 97     |
| 83) Chrysene                   | 13.99 | 228 | 761145  | 25.560 | ng | 98     |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 639613  | 34.029 | ng | # 98   |
| 86) Indeno(1,2,3-cd)pyrene     | 16.91 | 276 | 435121  | 11.697 | ng | 95     |
| 88) Benzo(b)fluoranthene       | 15.02 | 252 | 1491671 | 45.752 | ng | 97     |
| 89) Benzo(k)fluoranthene       | 15.02 | 252 | 1491671 | 48.057 | ng | 97     |
| 90) Benzo(a)pyrene             | 15.38 | 252 | 748405  | 24.625 | ng | 98     |
| 91) Dibenzo(a,h)anthracene     | 17.08 | 278 | 95422   | 3.237  | ng | 95     |
| 92) Benzo(g,h,i)perylene       | 17.35 | 276 | 381788  | 12.746 | ng | 99     |

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



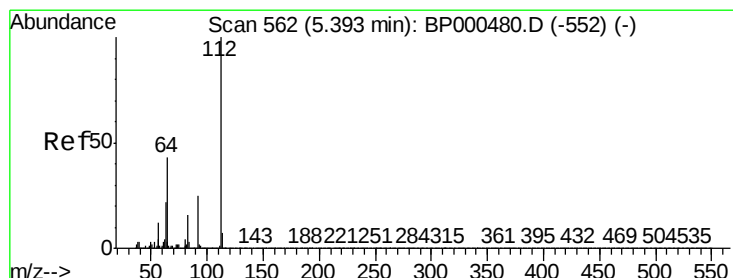
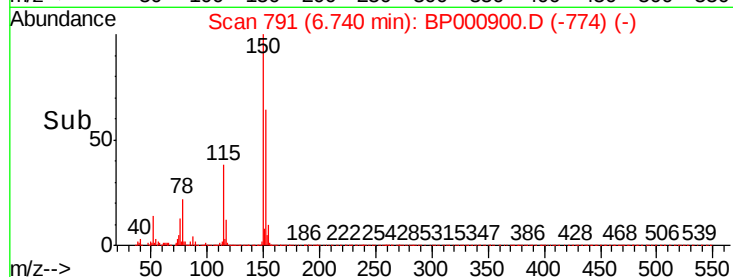
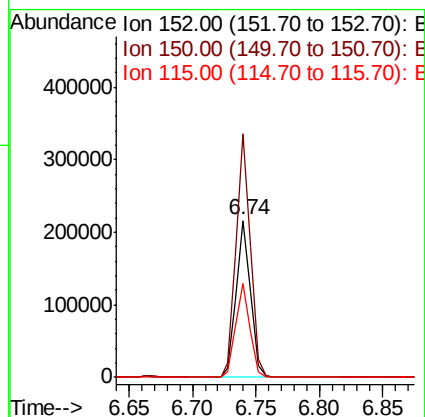
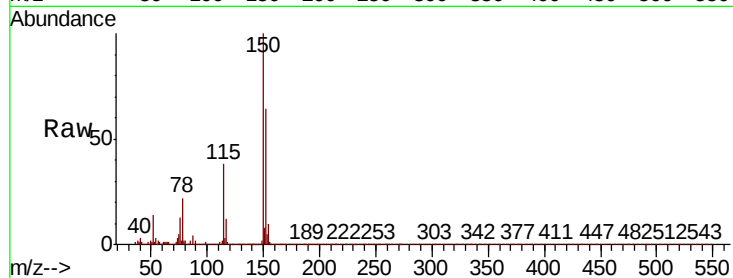


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

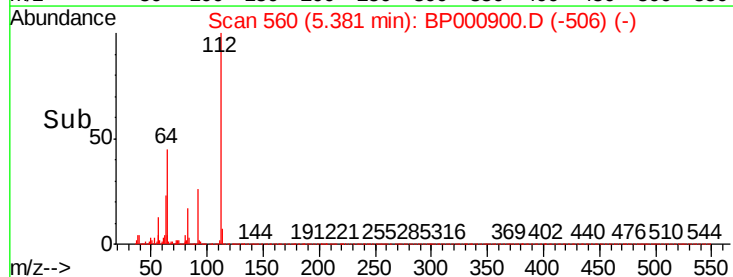
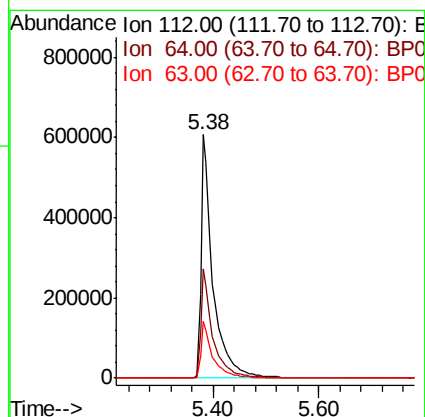
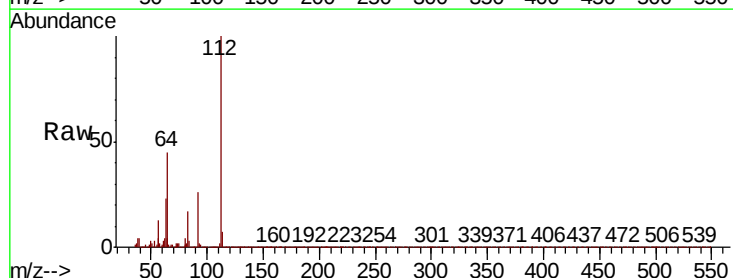
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 123.8 | 185.8 |
| 115     | 59.5  | 46.8  | 70.2  |

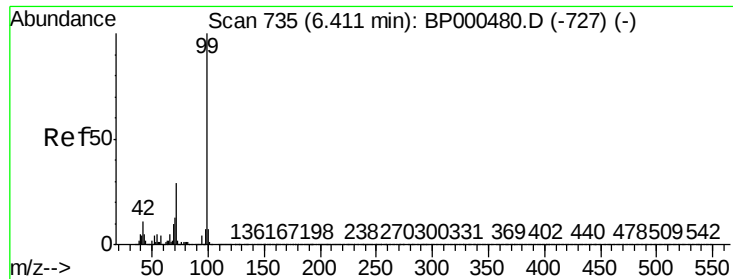


#5

2-Fluorophenol  
Concen: 92.563 ng  
RT: 5.38 min Scan# 560  
Delta R.T. 0.02 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 45.0  | 33.9  | 50.9  |
| 63      | 23.5  | 17.4  | 26.0  |





#7

Phenol-d6

Concen: 98.326 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampleId :

SP-1

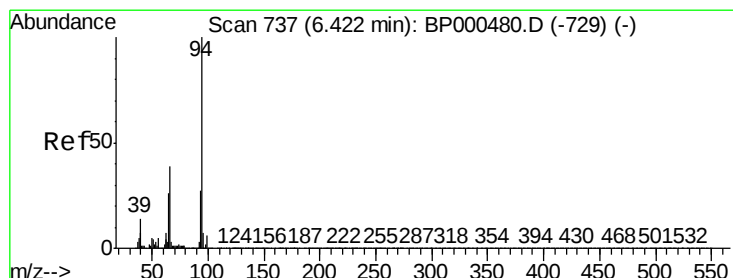
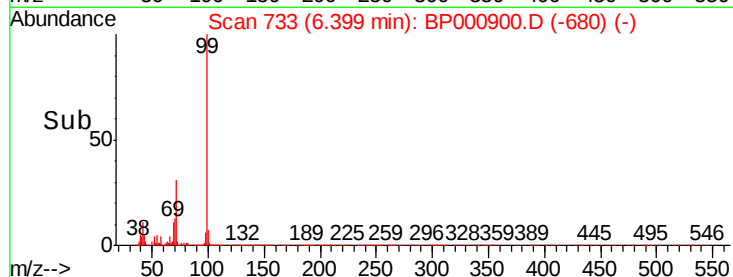
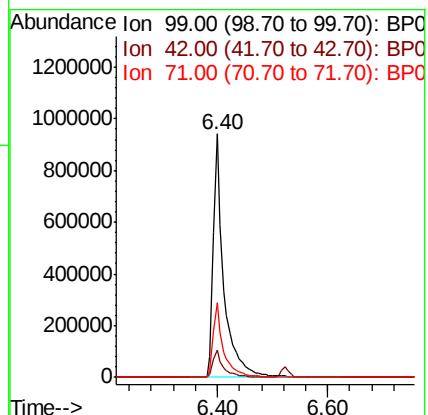
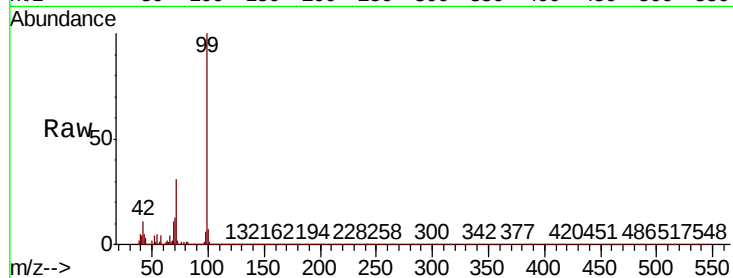
Tot Ion: 99 Resp: 1222341

Ion Ratio Lower Upper

99 100

42 11.1 8.7 13.1

71 30.8 24.1 36.1



#10

Phenol

Concen: 2.347 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

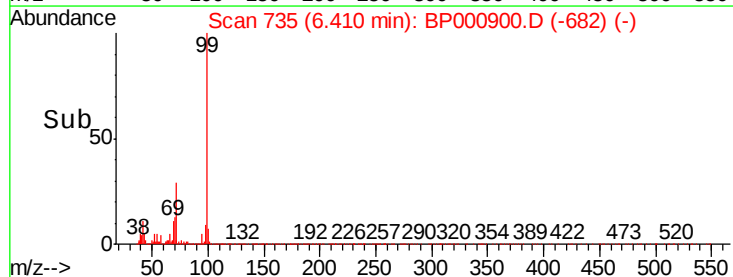
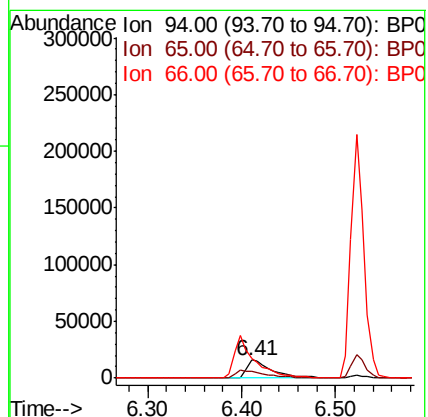
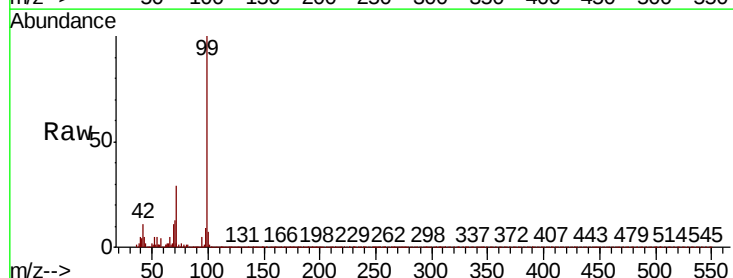
Tgt Ion: 94 Resp: 29879

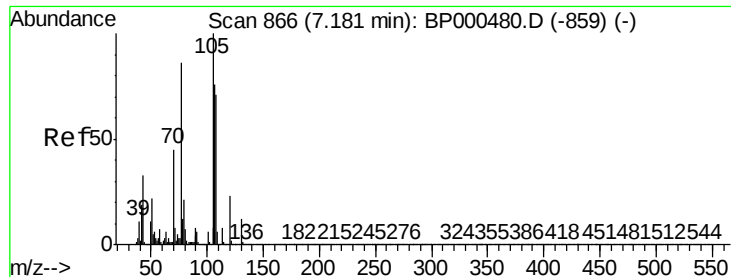
Ion Ratio Lower Upper

94 100

65 37.7 14.6 54.6

66 109.2 39.2 79.2#

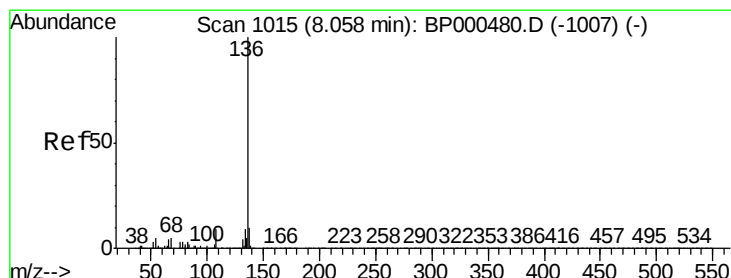
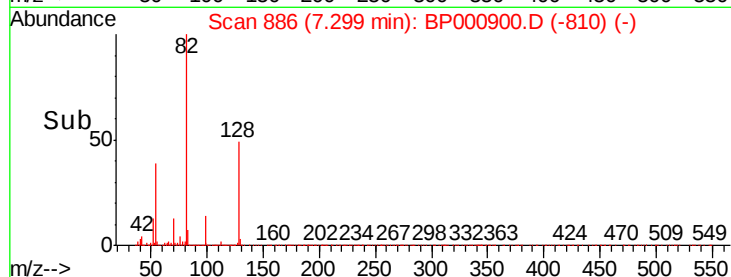
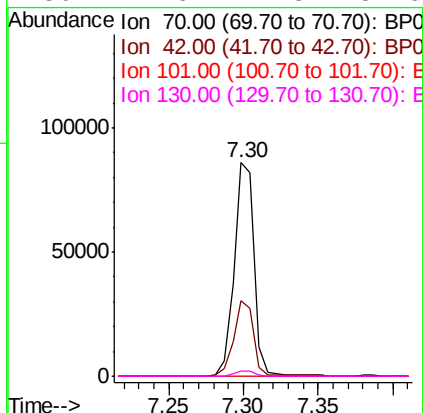
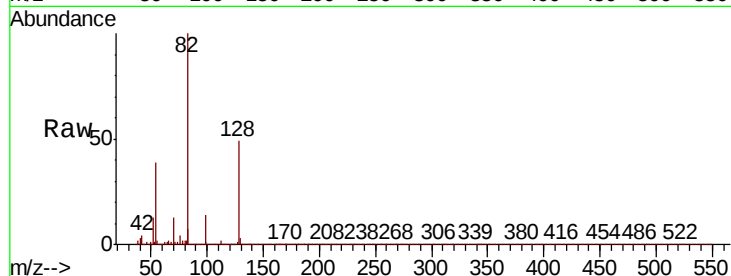




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.030 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.15 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

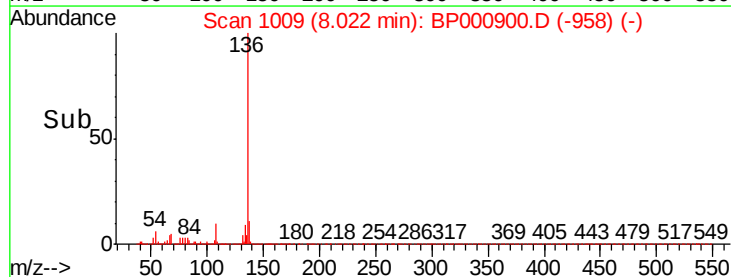
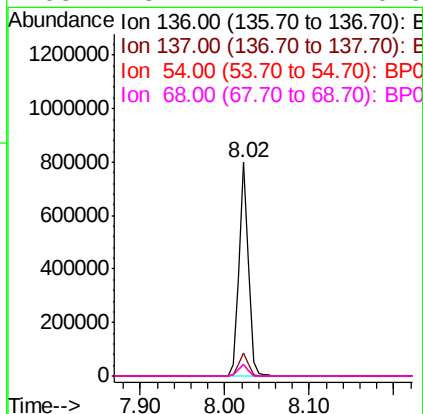
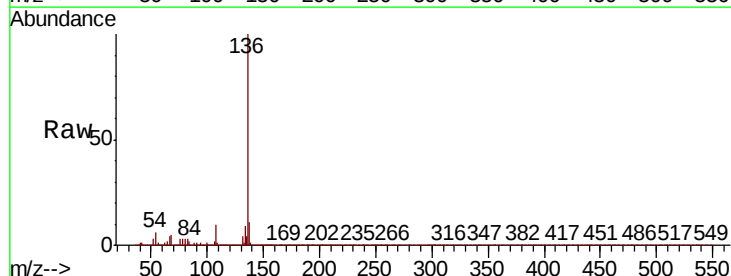
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

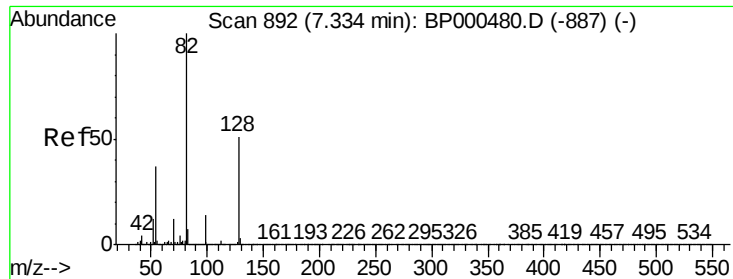
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 80395 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 35.1  | 34.0  | 51.0  |
| 101      | 0.0   | 9.5   | 14.3# |
| 130      | 2.6   | 21.3  | 31.9# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 599806 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 5.6   | 4.6   | 6.8    |
| 68       | 5.2   | 4.4   | 6.6    |

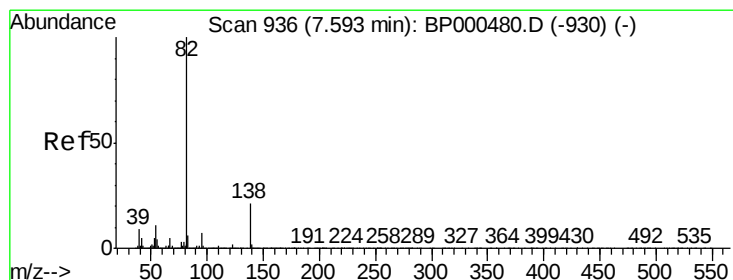
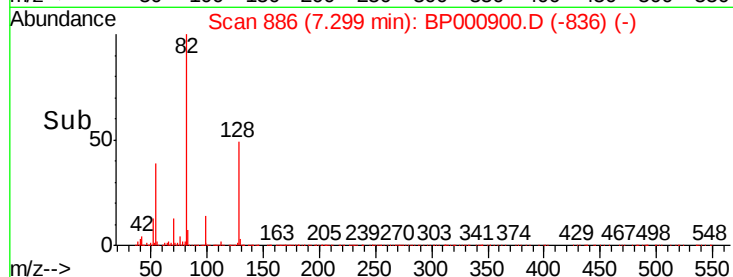
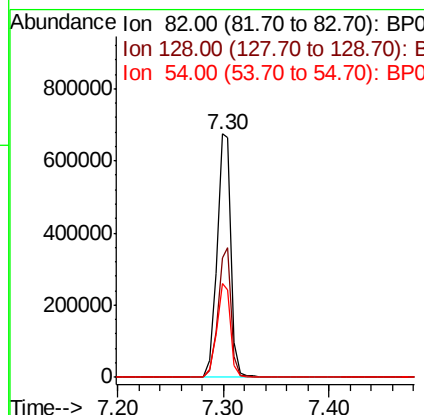
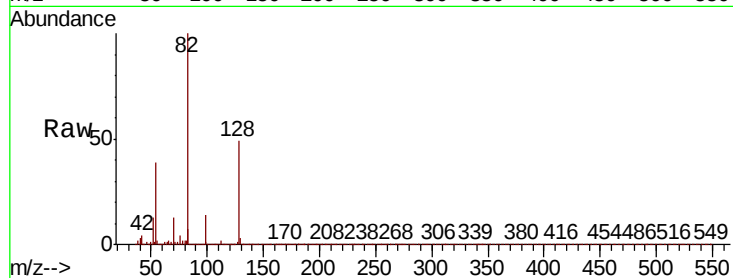




#23  
Nitrobenzene-d5  
Concen: 64.929 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

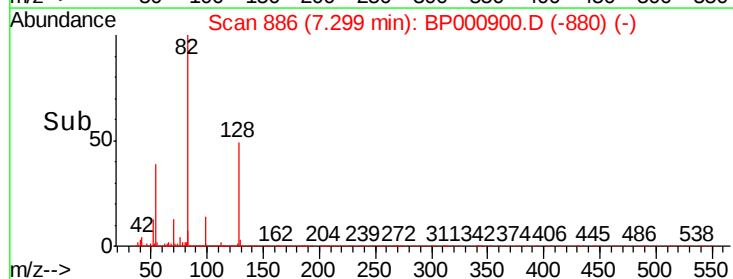
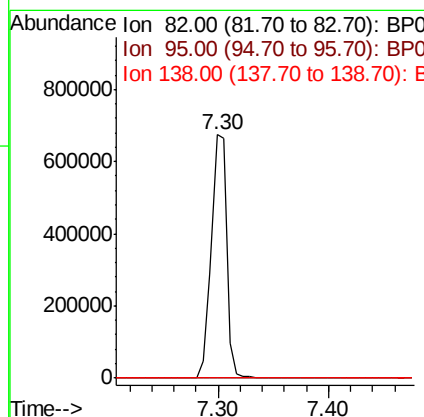
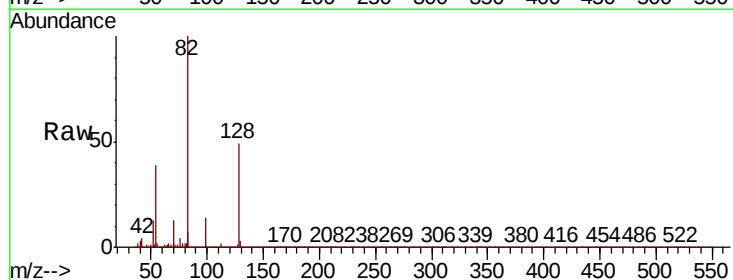
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

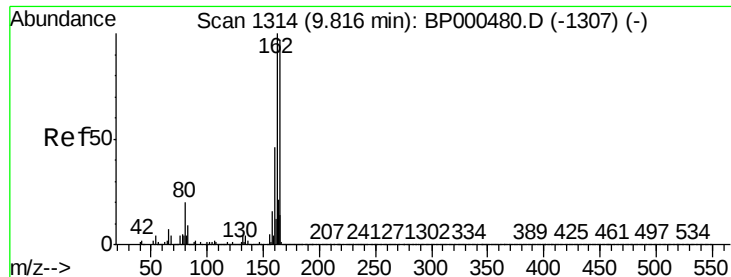
| Tot Ion   | 82    | Resp  | 637656 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.9  | 41.2  | 61.8   |
| 54        | 38.8  | 30.6  | 45.8   |



#25  
Isophorone  
Concen: 36.557 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.26 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

| Tgt Ion   | 82    | Resp  | 637175 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 6.2   | 9.4#   |
| 138       | 0.0   | 17.0  | 25.4#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampleId :

SP-1

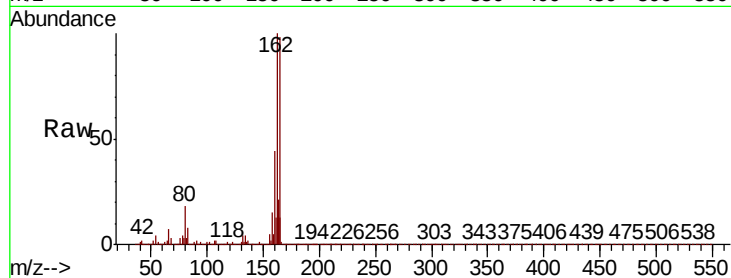
Tot Ion:164 Resp: 323850

Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

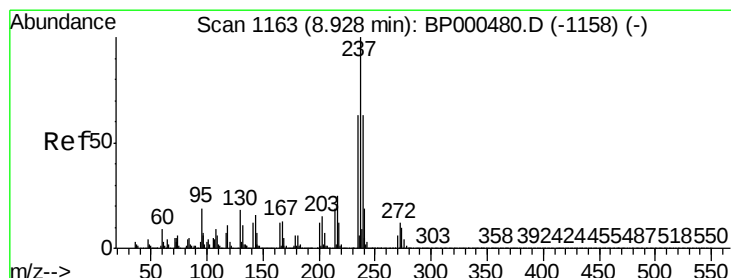
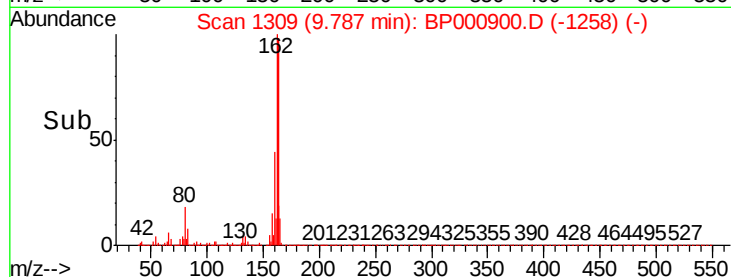
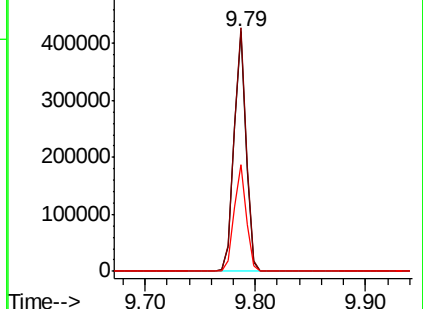
160 44.6 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 7.301 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.21 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

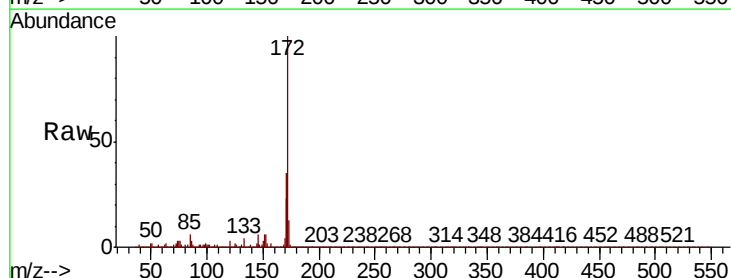
Tgt Ion:237 Resp: 19

Ion Ratio Lower Upper

237 100

235 80.0 42.3 82.3

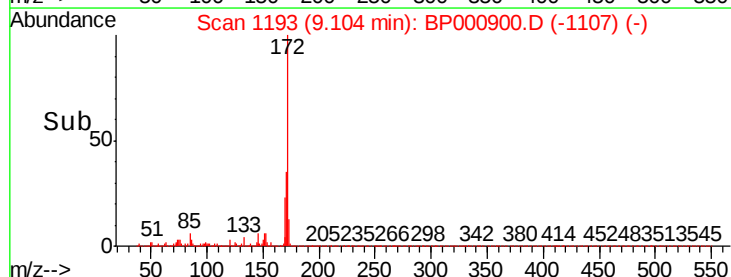
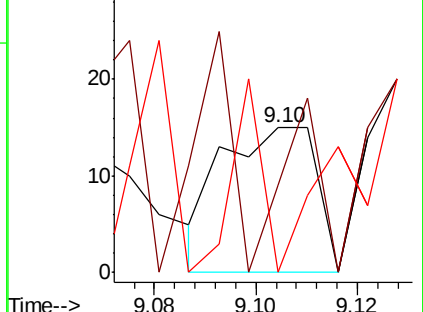
272 0.0 0.0 33.6

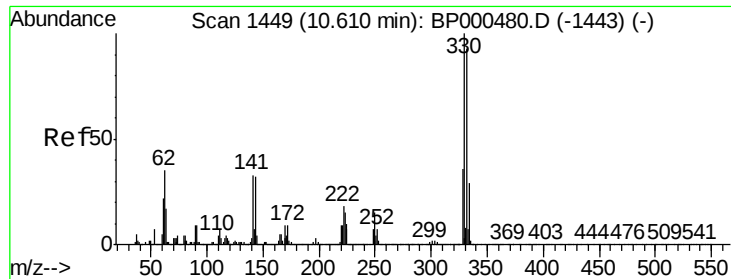


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

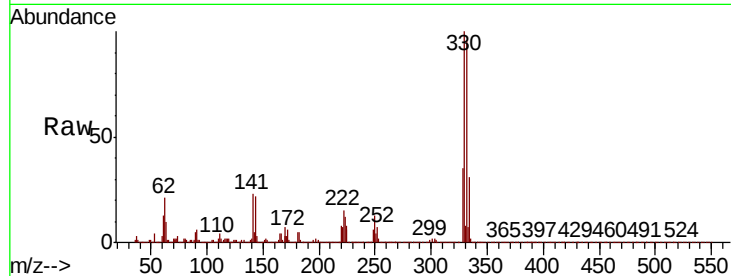




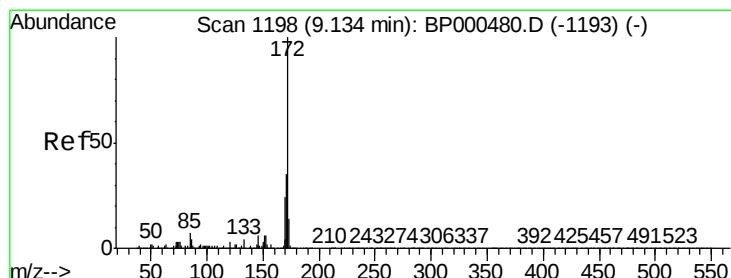
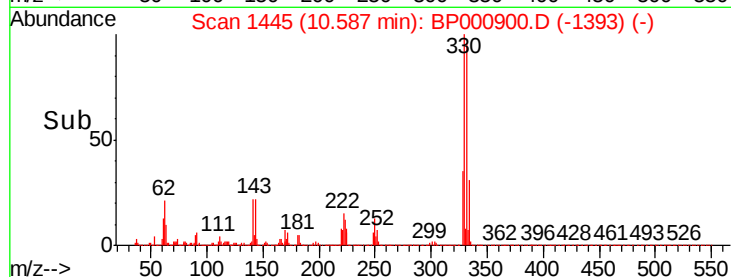
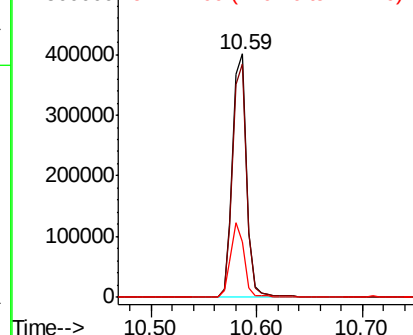
#42  
2,4,6-Tribromophenol  
Concen: 108.256 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. 0.01 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

Tot Ion:330 Resp: 373592  
Ion Ratio Lower Upper  
330 100  
332 96.5 78.2 117.4  
141 29.6 23.7 35.5

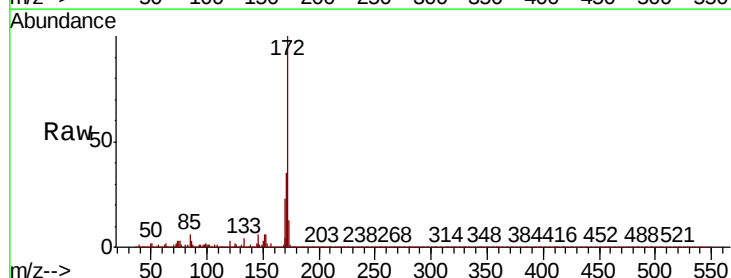


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

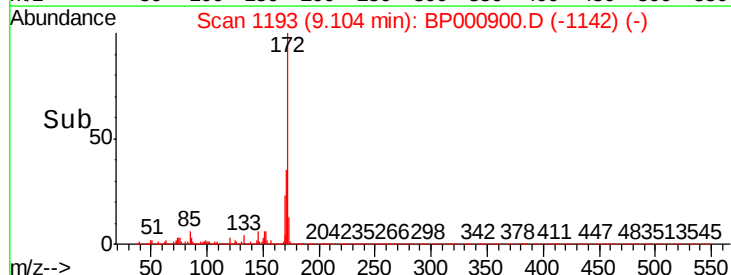
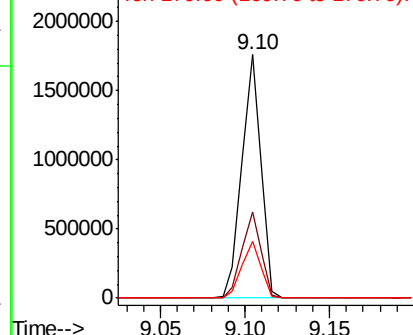


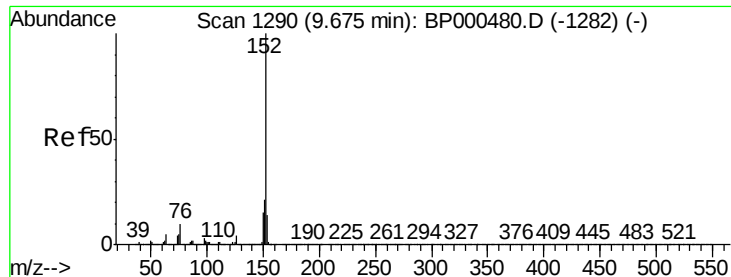
#45  
2-Fluorobiphenyl  
Concen: 68.911 ng  
RT: 9.10 min Scan# 1193  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Tgt Ion:172 Resp: 1379279  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.0 43.4  
170 23.5 19.3 28.9



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





#49

Acenaphthylene

Concen: 2.384 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

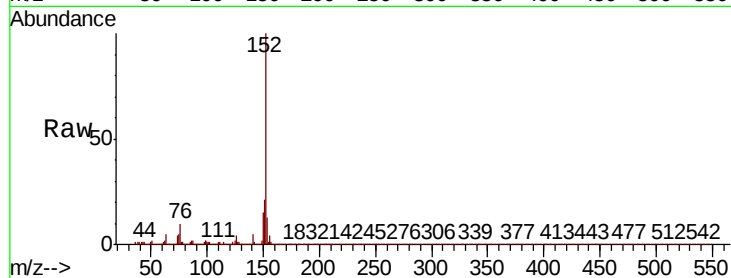
BNA\_P

ClientSampleId :

SP-1

Tot Ion:152 Resp: 67975

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.5  | 16.2  | 24.2  |
| 153 | 13.2  | 10.7  | 16.1  |

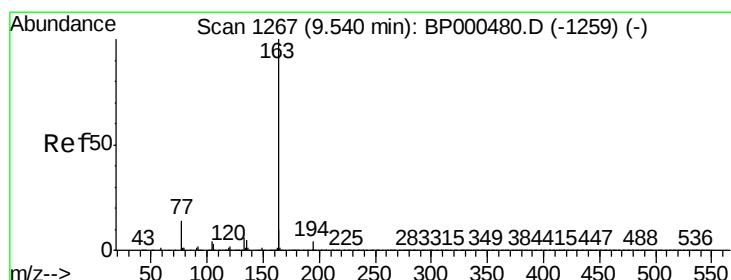
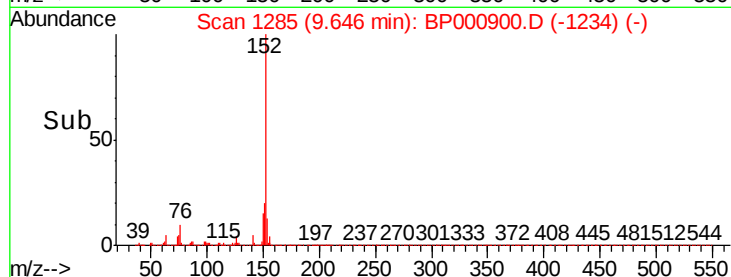
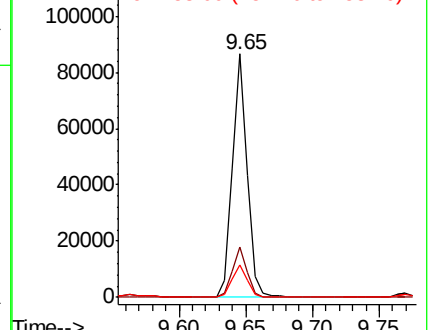


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 15.412 ng

RT: 9.50 min Scan# 1260

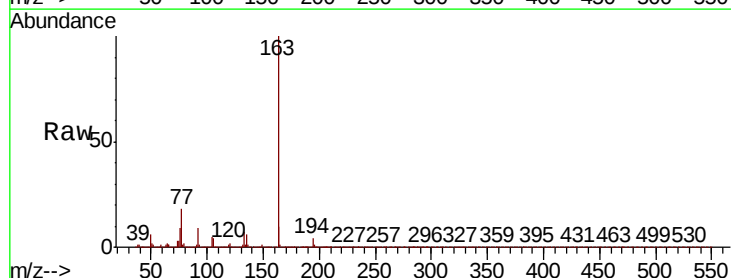
Delta R.T. -0.01 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Tgt Ion:163 Resp: 346819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.1   | 3.5   | 5.3   |
| 164 | 10.4  | 8.3   | 12.5  |

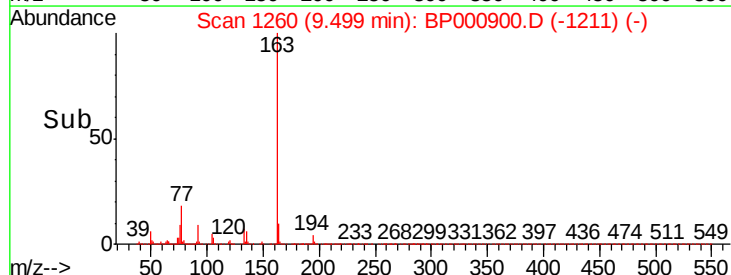
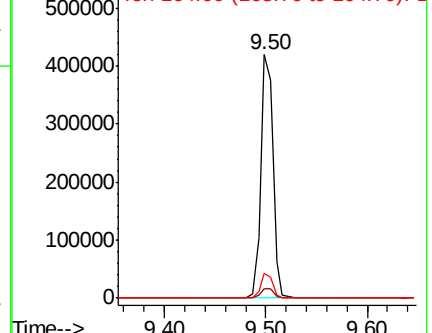


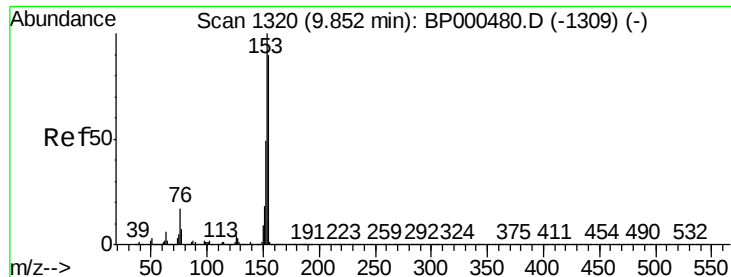
Abundance

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





#52

Acenaphthene

Concen: 2.176 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampleId :

SP-1

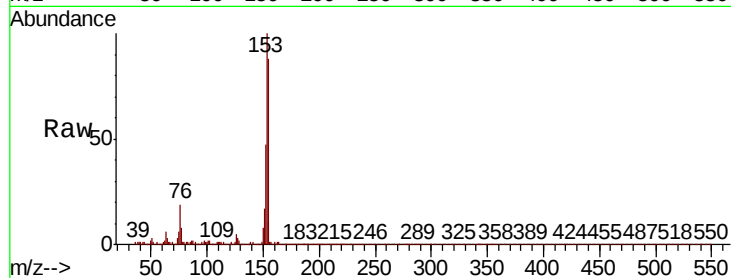
Tot Ion:154 Resp: 37636

Ion Ratio Lower Upper

154 100

153 113.1 90.4 135.6

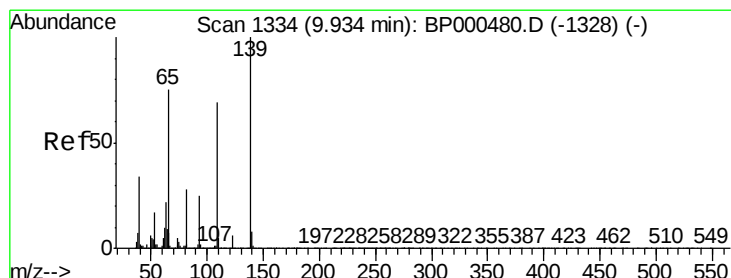
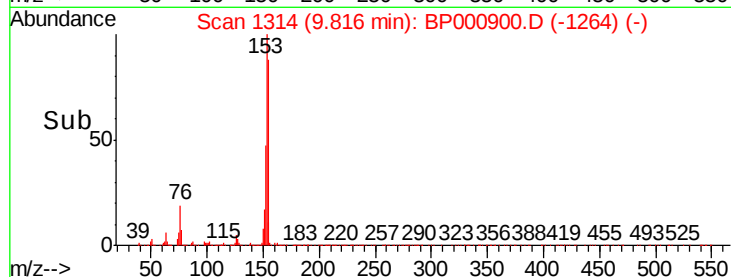
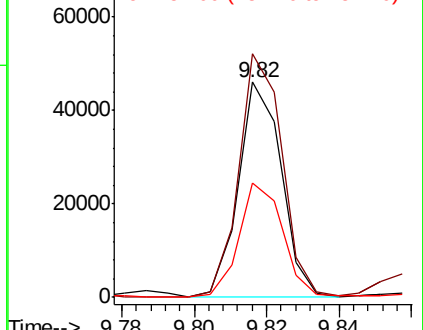
152 53.3 42.5 63.7



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



#56

4-Nitrophenol

Concen: 4.118 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.08 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

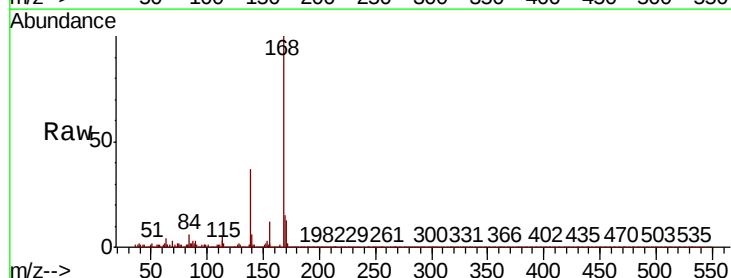
Tgt Ion:139 Resp: 14784

Ion Ratio Lower Upper

139 100

109 1.4 48.4 88.4#

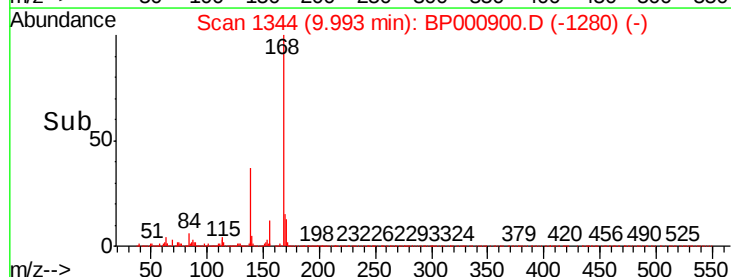
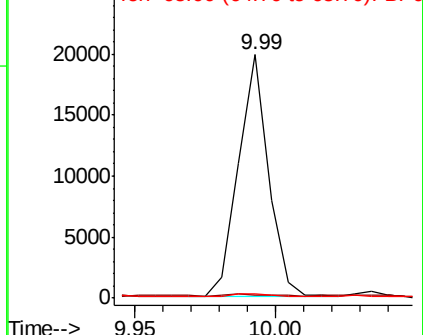
65 1.8 52.6 92.6#

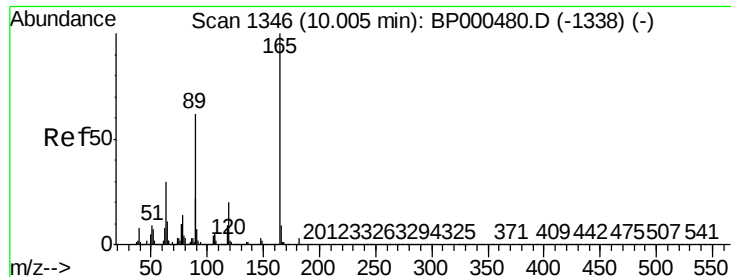


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

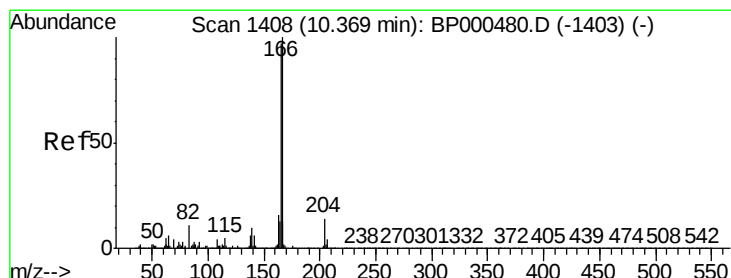
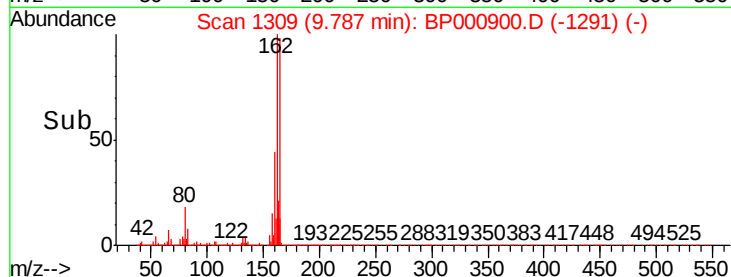
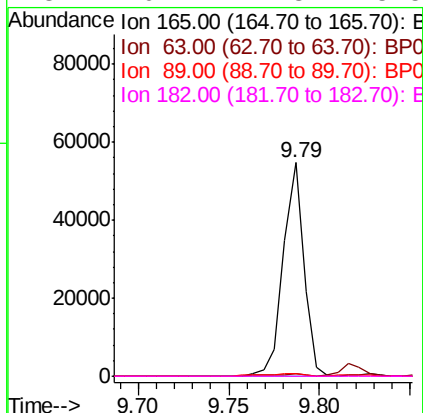
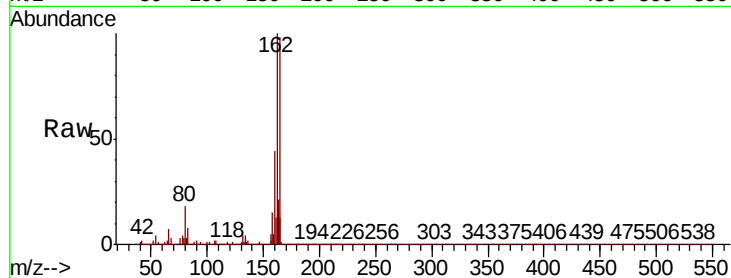




#57  
2,4-Dinitrotoluene  
Concen: 6.698 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. -0.19 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

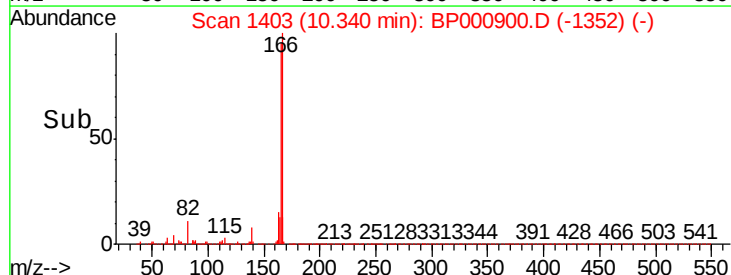
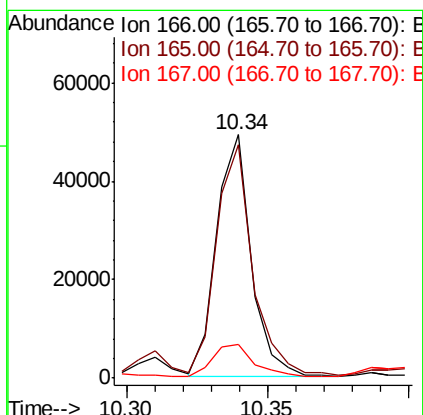
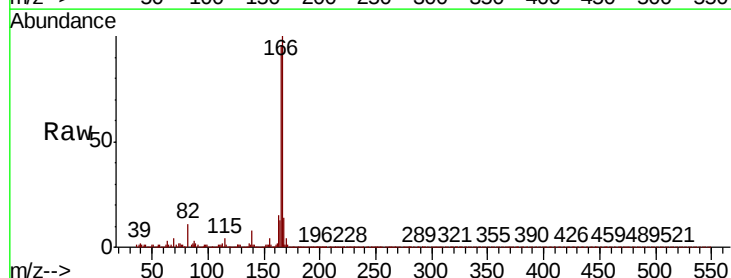
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

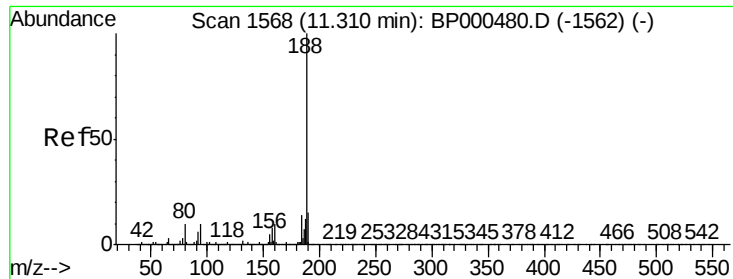
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.9   | 25.4  | 38.2# |
| 89      | 1.1   | 49.2  | 73.8# |
| 182     | 0.1   | 2.3   | 3.5#  |



#58  
Fluorene  
Concen: 2.287 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 95.7  | 78.4  | 117.6 |
| 167     | 13.9  | 10.6  | 15.8  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampled :

SP-1

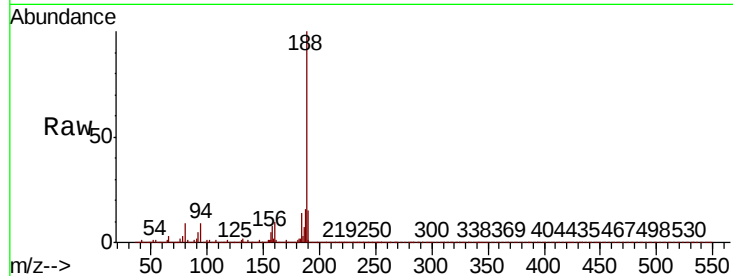
Tot Ion:188 Resp: 590135

Ion Ratio Lower Upper

188 100

94 8.5 8.0 12.0

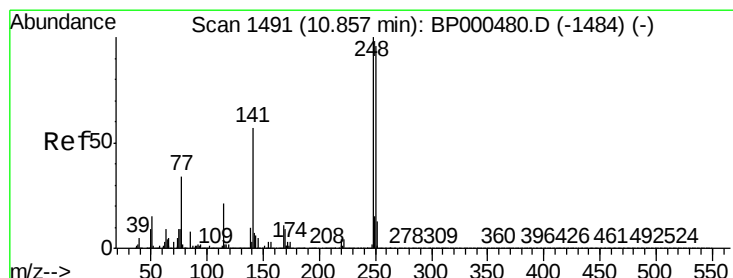
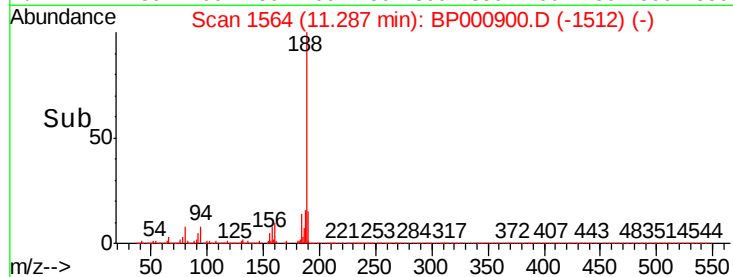
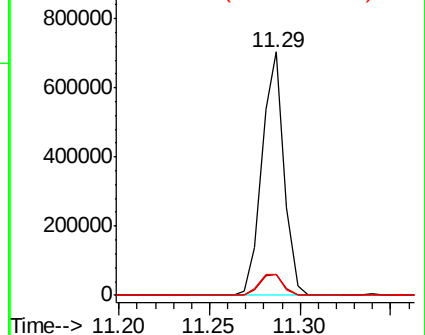
80 8.5 8.2 12.4



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



#67

4-Bromophenyl-phenylether

Concen: 3.879 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.24 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

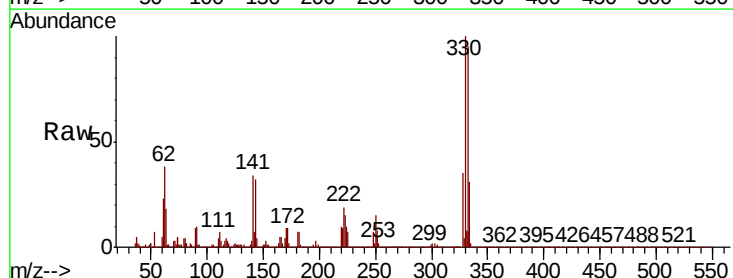
Tgt Ion:248 Resp: 25771

Ion Ratio Lower Upper

248 100

250 199.4 77.7 116.5#

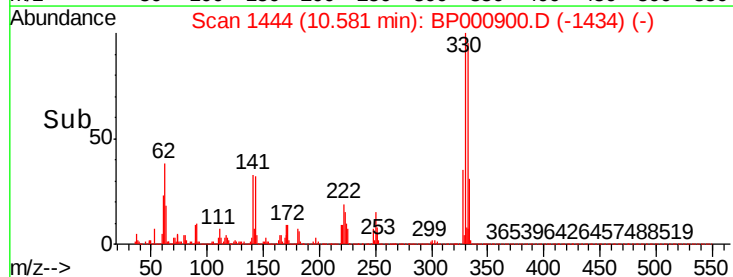
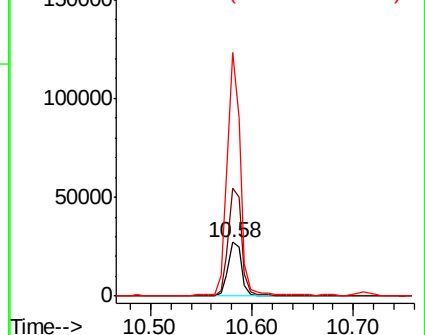
141 450.5 57.4 86.0#

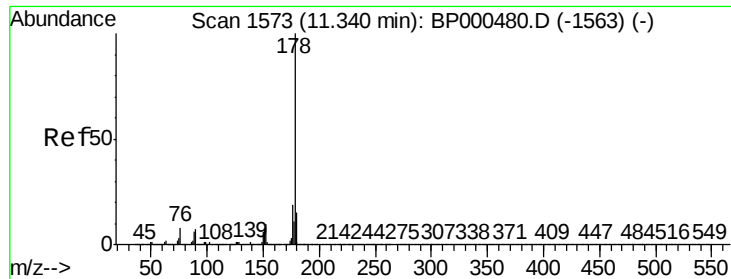


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

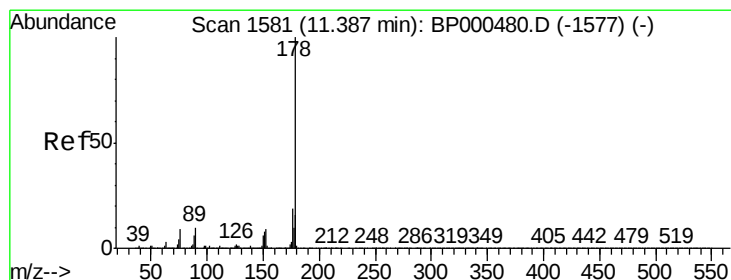
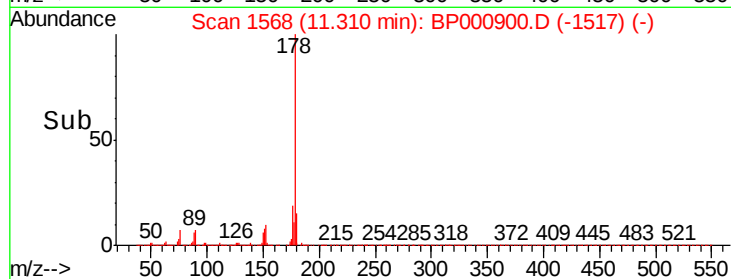
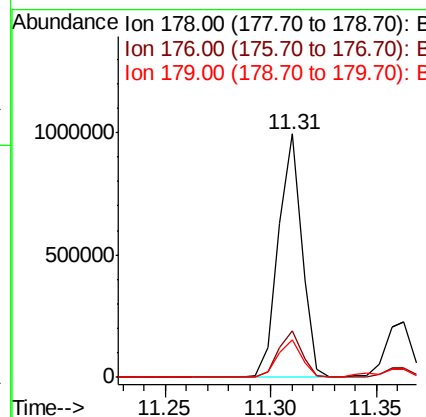
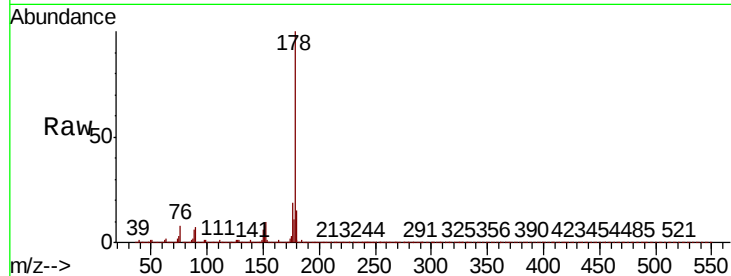




#71  
Phenanthrene  
Concen: 26.084 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

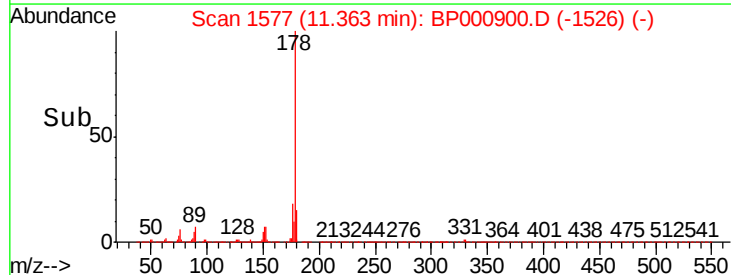
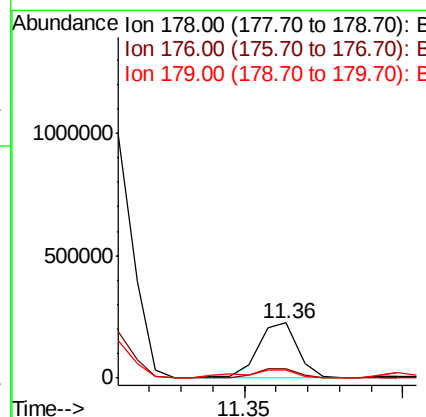
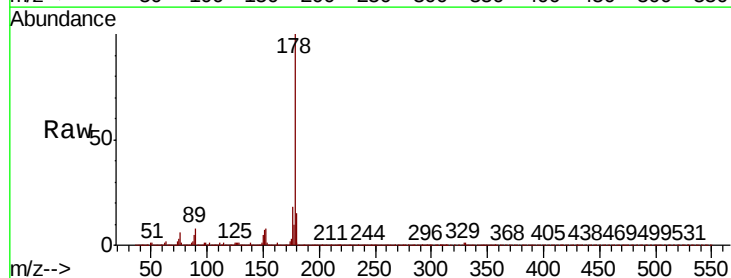
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

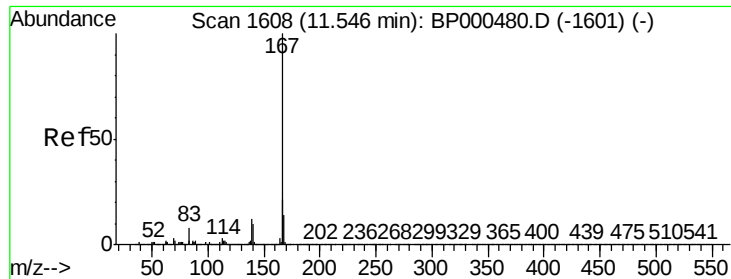
Tot Ion:178 Resp: 773076  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.7 23.5  
179 15.4 12.5 18.7



#72  
Anthracene  
Concen: 6.648 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Tgt Ion:178 Resp: 195379  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.8 22.2  
179 15.2 12.3 18.5

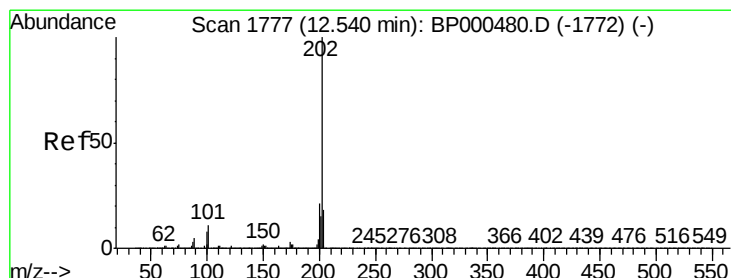
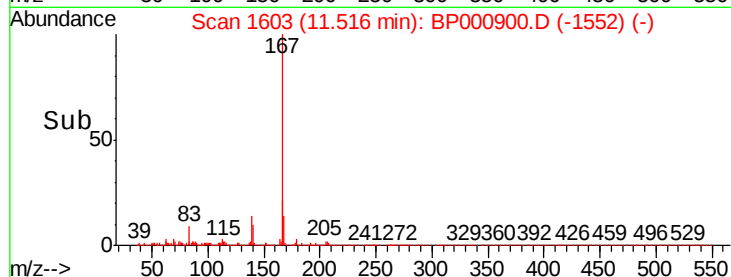
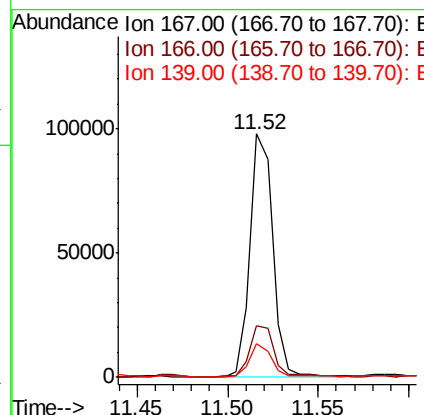
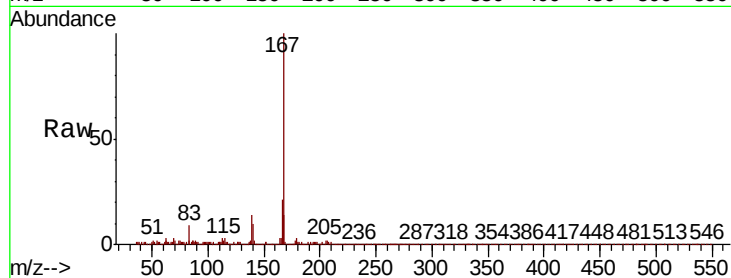




#73  
 Carbazole  
 Concen: 3.140 ng  
 RT: 11.52 min Scan# 1603  
 Delta R.T. -0.00 min  
 Lab File: BP000900.D  
 Acq: 19 Oct 2019 01:05

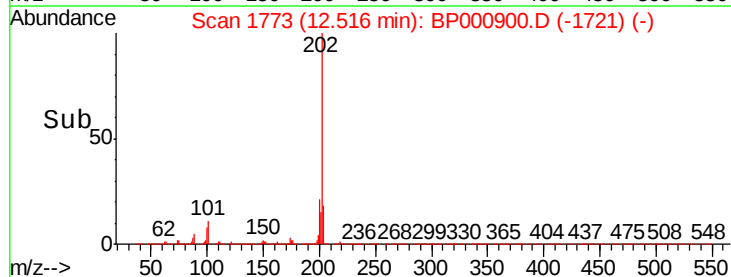
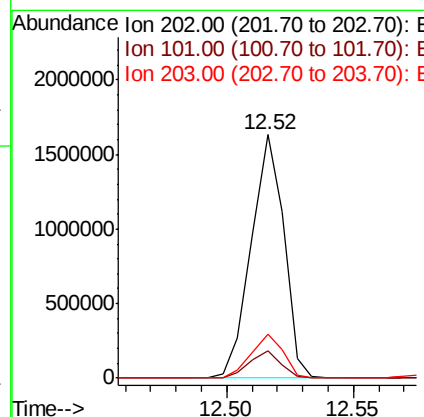
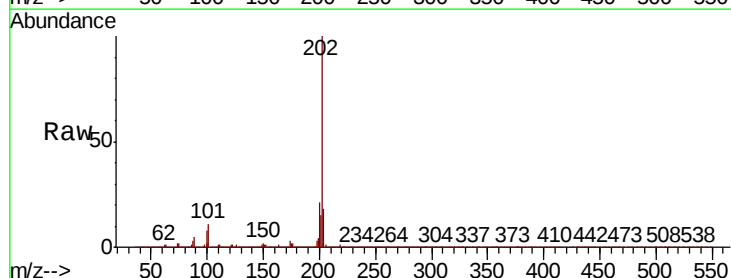
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-1

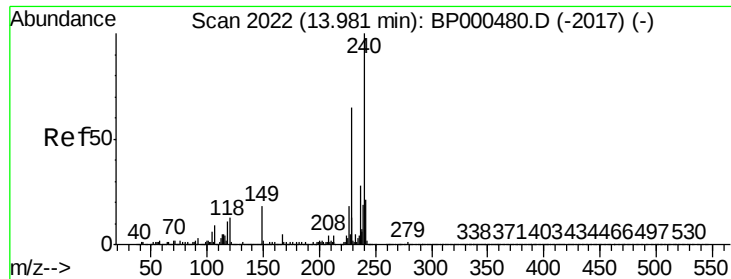
Tot Ion:167 Resp: 85551  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.4 26.2  
 139 13.8 10.5 15.7



#75  
 Fluoranthene  
 Concen: 44.196 ng  
 RT: 12.52 min Scan# 1773  
 Delta R.T. 0.01 min  
 Lab File: BP000900.D  
 Acq: 19 Oct 2019 01:05

Tgt Ion:202 Resp: 1471158  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 0.0 31.6  
 203 18.0 0.0 38.0

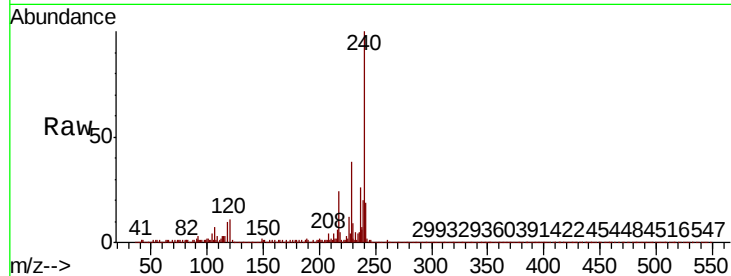




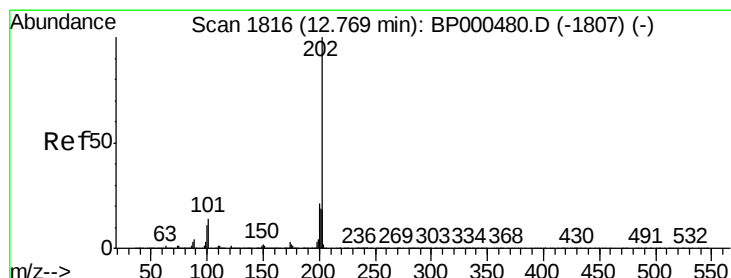
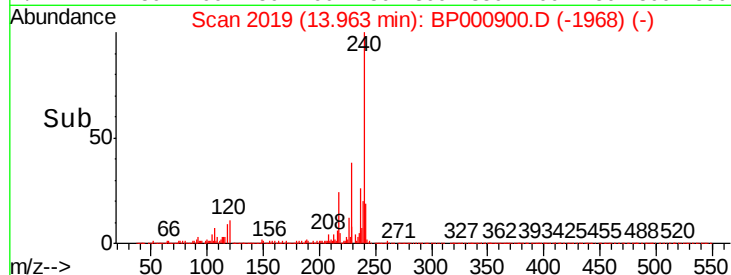
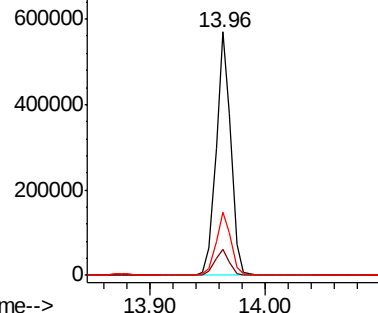
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

Tot Ion:240 Resp: 497273  
Ion Ratio Lower Upper  
240 100  
120 10.7 7.3 10.9  
236 26.1 21.2 31.8

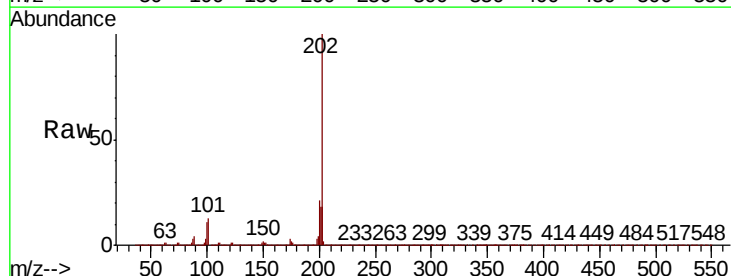


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

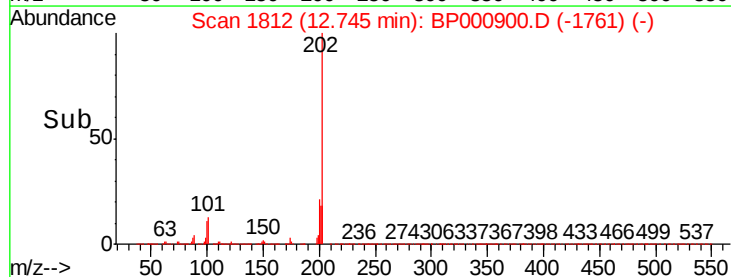
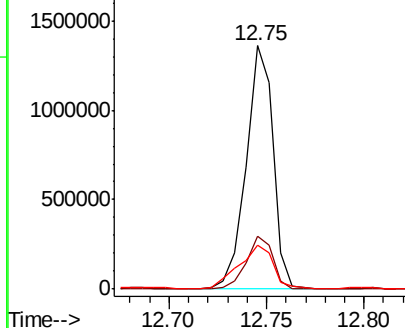


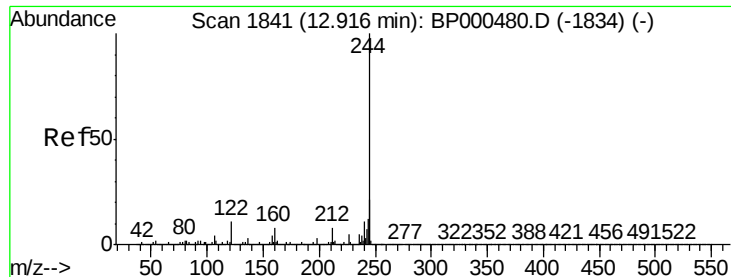
#78  
Pyrene  
Concen: 37.926 ng  
RT: 12.75 min Scan# 1812  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Tgt Ion:202 Resp: 1300748  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.4 26.0  
203 17.9 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.251 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampleId :

SP-1

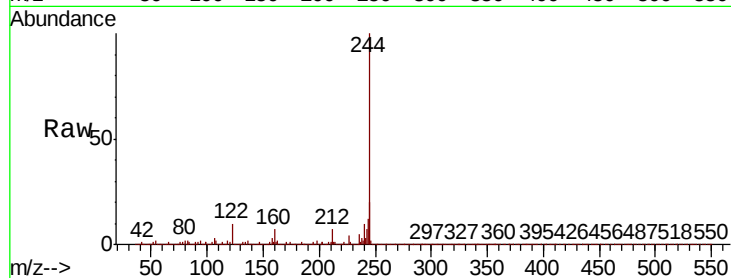
Tot Ion:244 Resp: 1479774

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

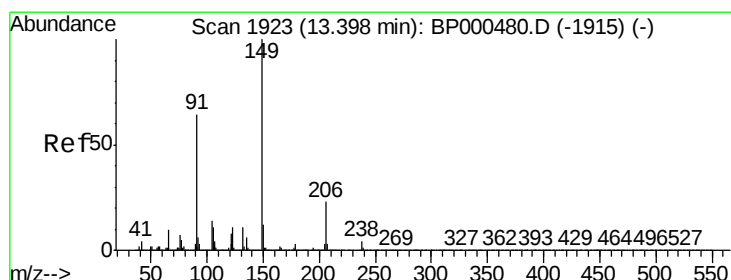
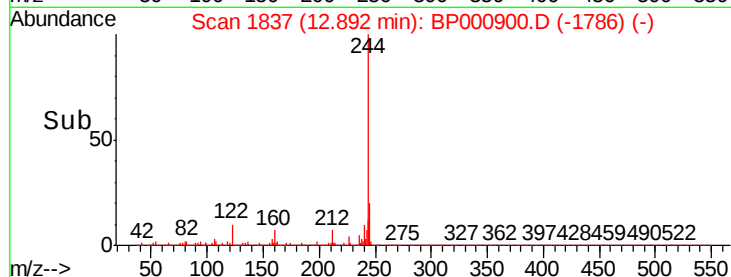
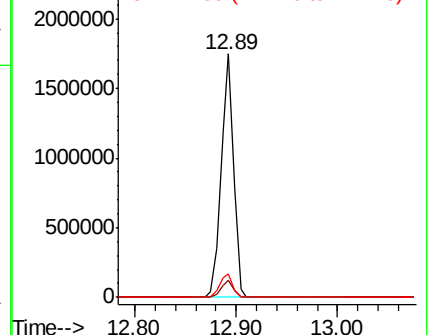
122 9.8 7.1 10.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.753 ng

RT: 13.37 min Scan# 1919

Delta R.T. 0.01 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

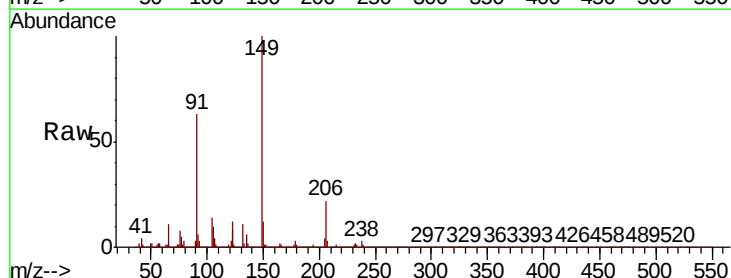
Tgt Ion:149 Resp: 653896

Ion Ratio Lower Upper

149 100

91 63.1 51.9 77.9

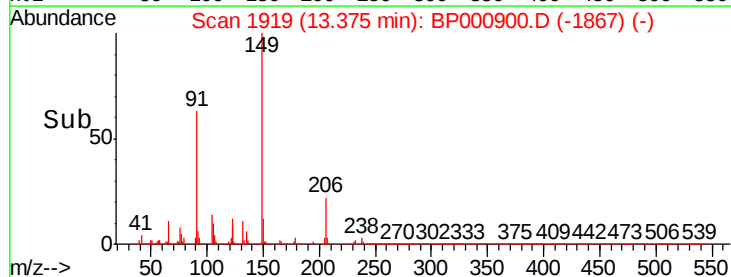
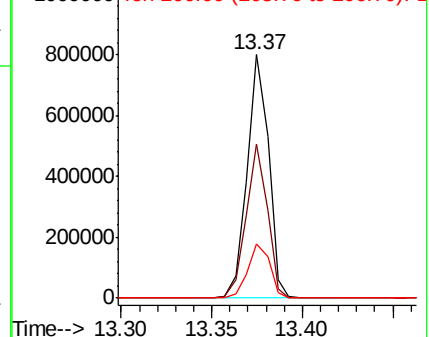
206 22.5 17.3 25.9

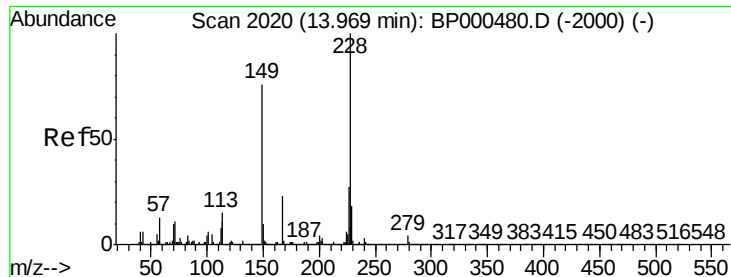


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

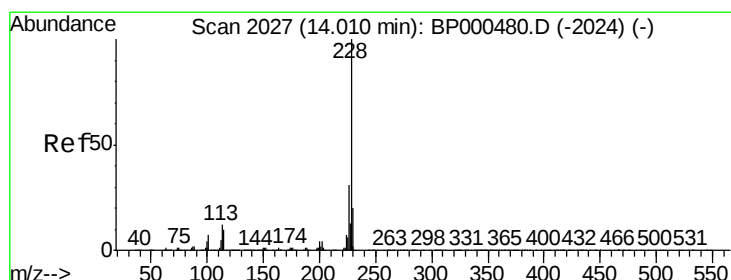
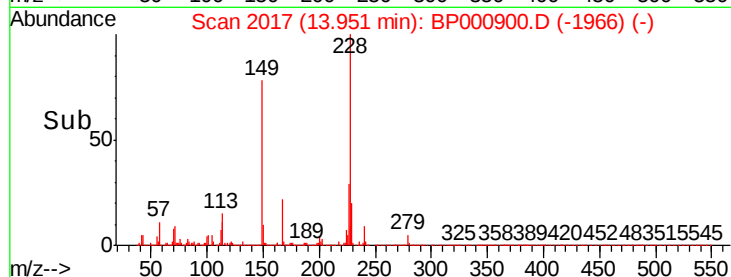
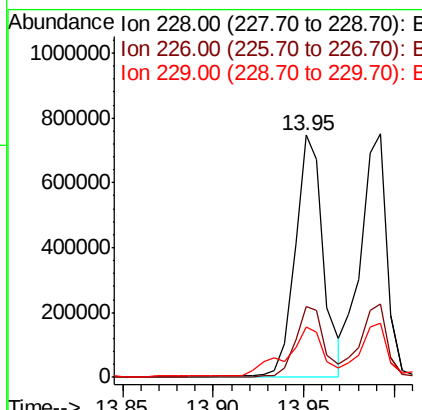
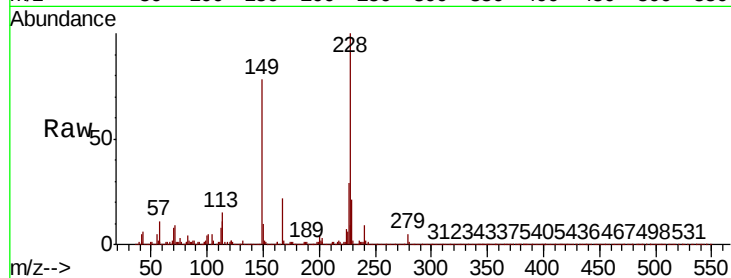




#81  
Benzo(a)anthracene  
Concen: 26.816 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.00 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

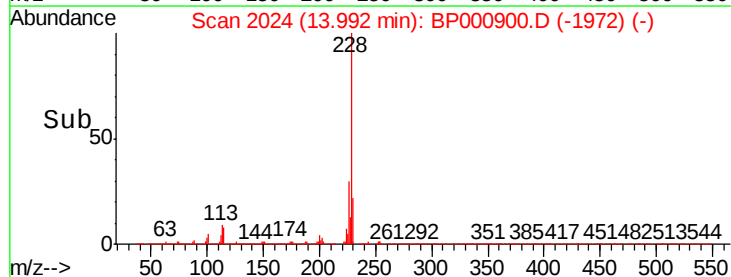
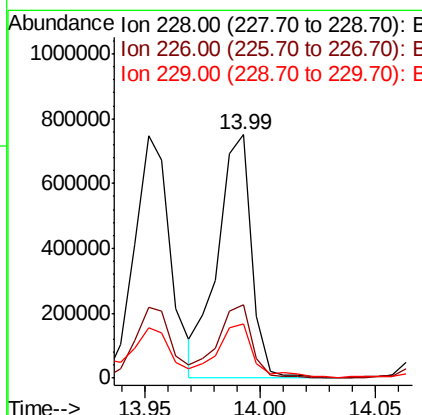
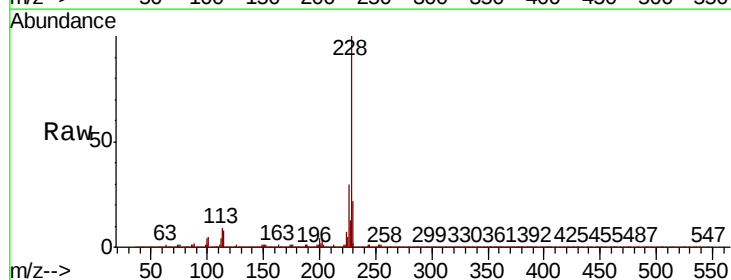
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

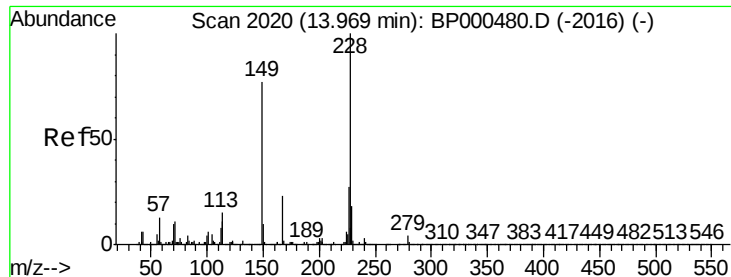
Tot Ion:228 Resp: 813620  
Ion Ratio Lower Upper  
228 100  
226 29.0 21.8 32.8  
229 20.6 15.7 23.5



#83  
Chrysene  
Concen: 25.560 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. 0.01 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Tgt Ion:228 Resp: 761145  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.4 36.6  
229 22.1 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 34.029 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampleId :

SP-1

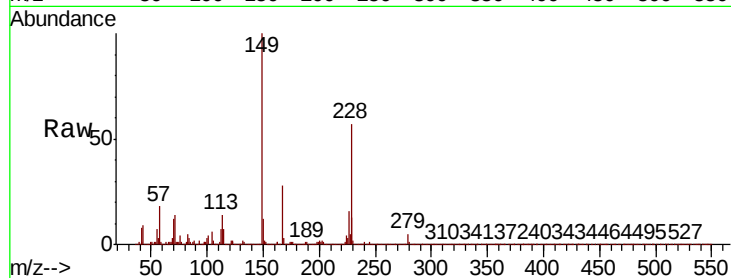
Tot Ion:149 Resp: 639613

Ion Ratio Lower Upper

149 100

167 28.2 23.1 34.7

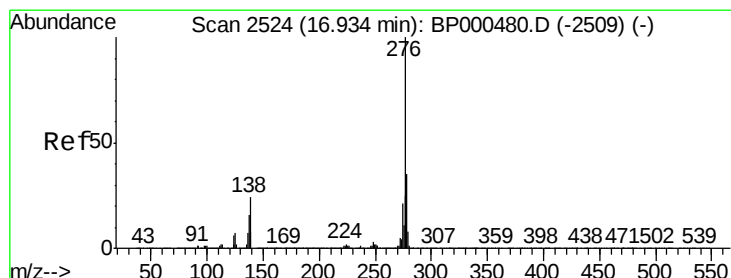
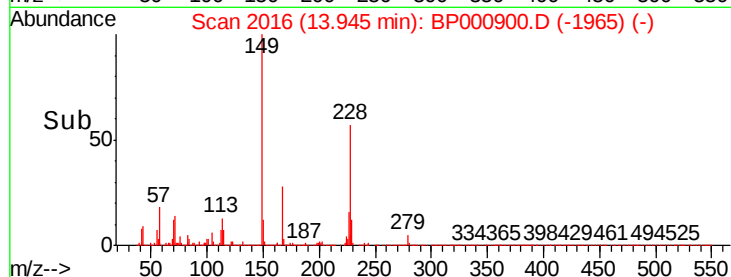
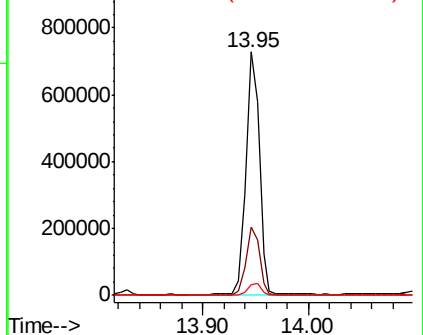
279 4.6 4.7 7.1#



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: 11.697 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

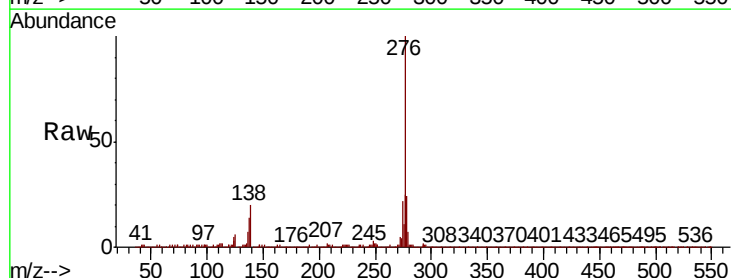
Tgt Ion:276 Resp: 435121

Ion Ratio Lower Upper

276 100

138 20.1 19.1 28.7

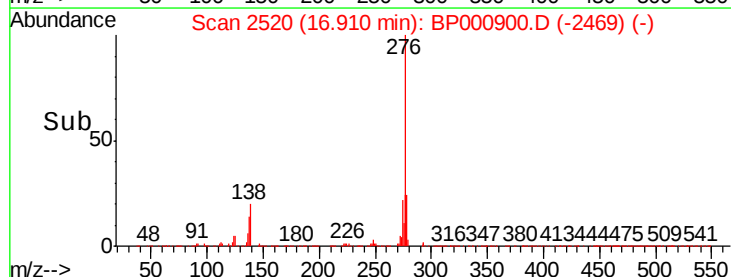
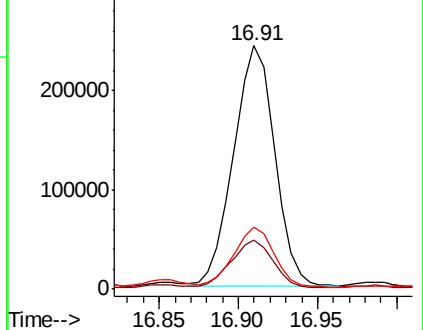
277 24.6 20.4 30.6

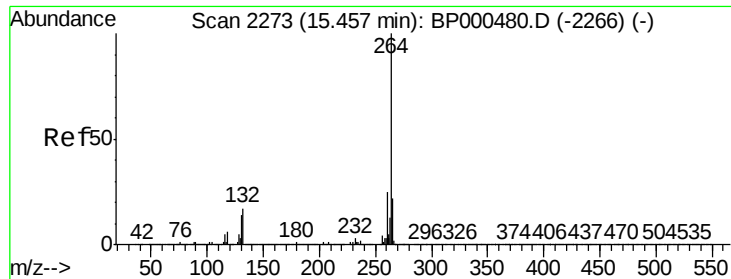


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



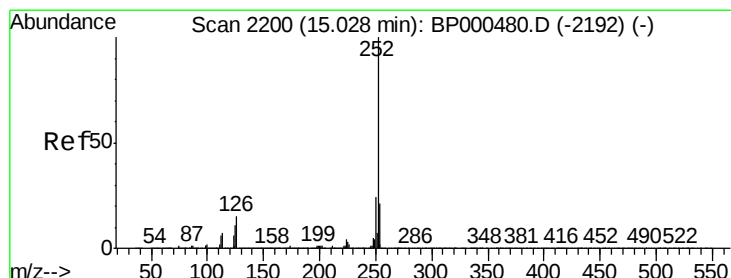
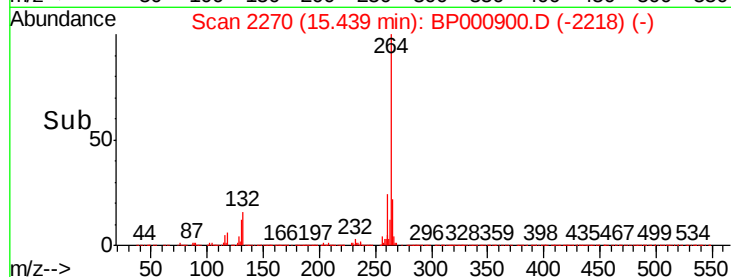
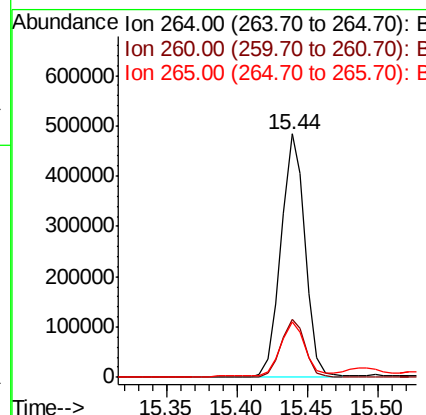
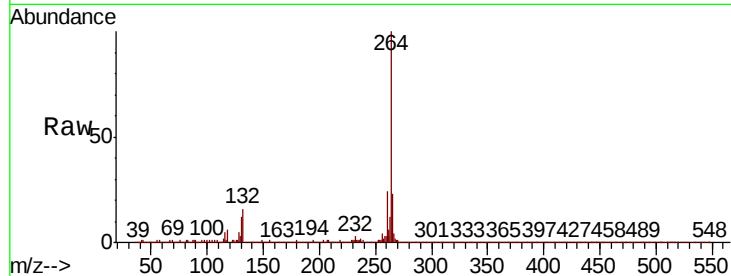


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.01 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

Tot Ion:264 Resp: 574682  

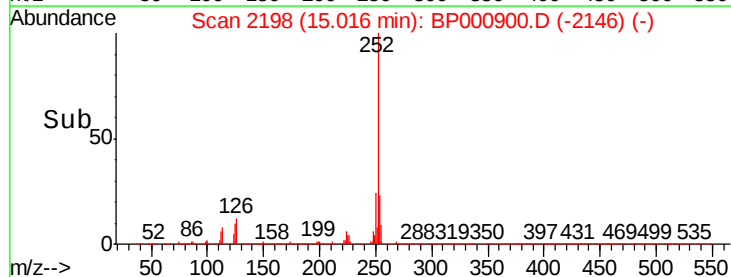
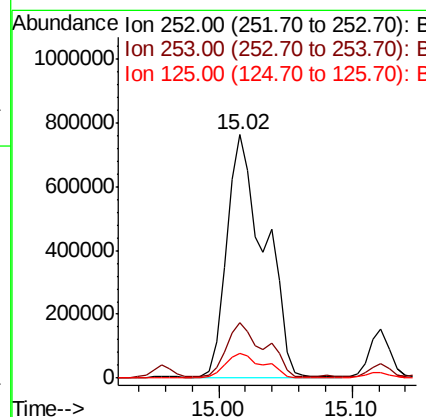
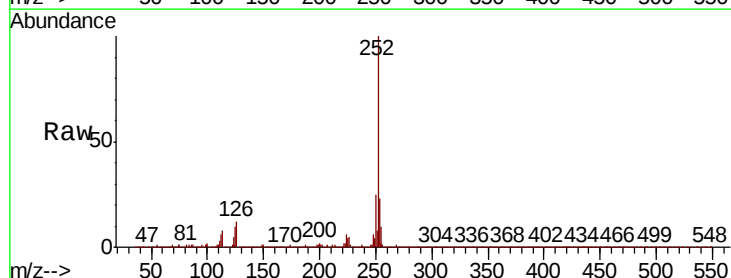
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 19.3  | 28.9  |
| 265 | 22.7  | 17.4  | 26.0  |

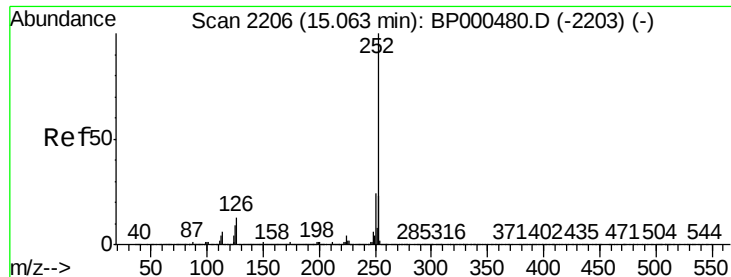


#88  
Benzo(b)fluoranthene  
Concen: 45.752 ng  
RT: 15.02 min Scan# 2198  
Delta R.T. 0.01 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Tgt Ion:252 Resp: 1491671  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.0  | 17.4  | 26.2  |
| 125 | 10.3  | 7.4   | 11.2  |

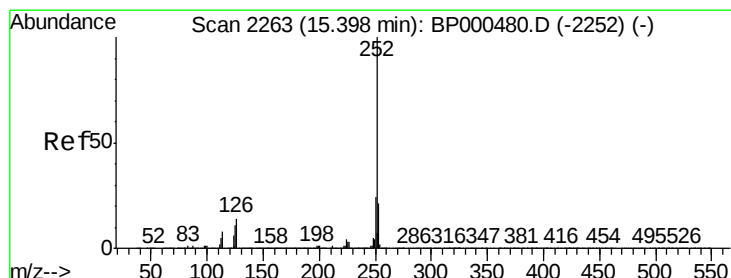
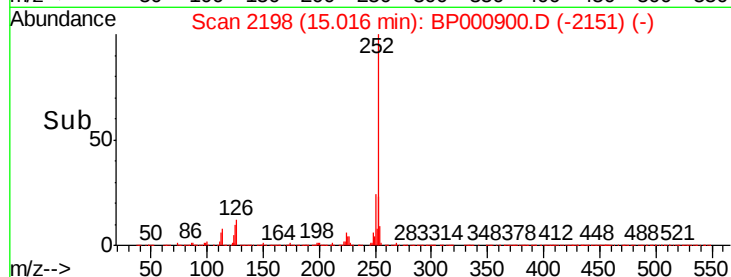
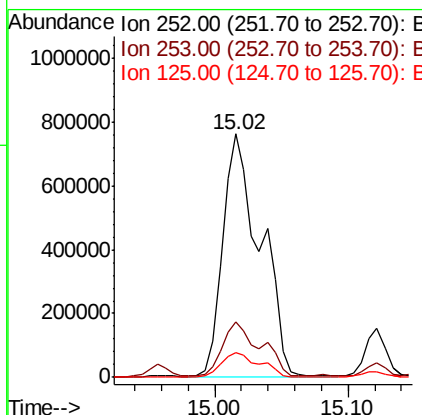
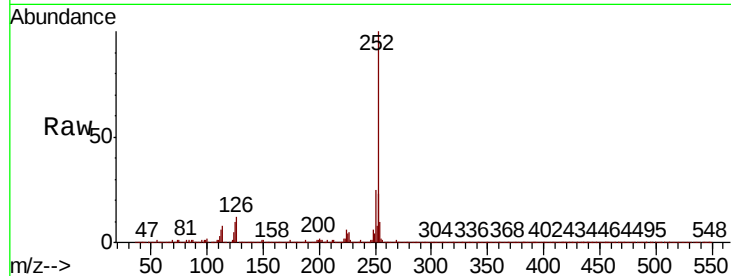




#89  
Benzo(k)fluoranthene  
Concen: 48.057 ng  
RT: 15.02 min Scan# 2198  
Delta R.T. -0.02 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

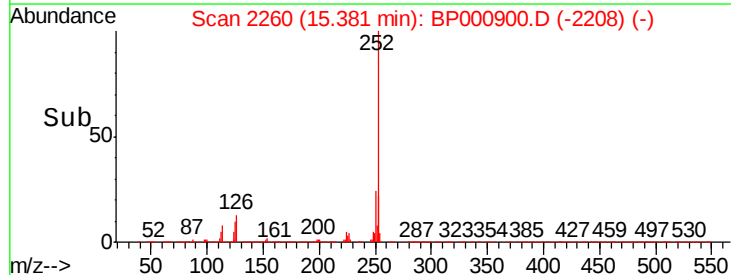
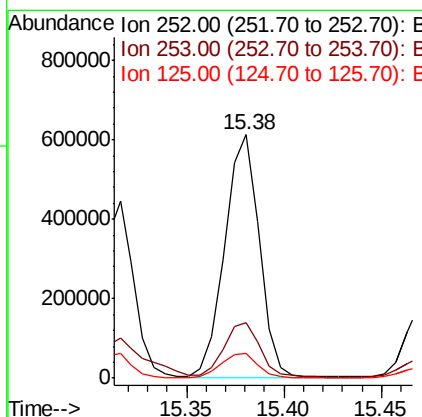
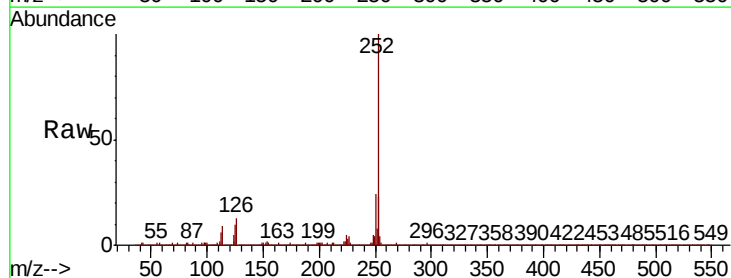
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1

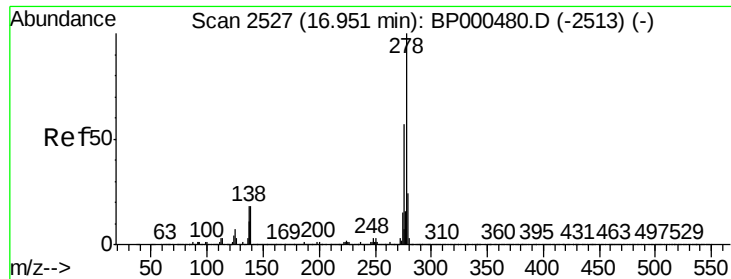
Tot Ion:252 Resp: 1491671  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.6 26.4  
125 10.3 7.1 10.7



#90  
Benzo(a)pyrene  
Concen: 24.625 ng  
RT: 15.38 min Scan# 2260  
Delta R.T. 0.01 min  
Lab File: BP000900.D  
Acq: 19 Oct 2019 01:05

Tgt Ion:252 Resp: 748405  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.3 25.9  
125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.237 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.16 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

Instrument :

BNA\_P

ClientSampleId :

SP-1

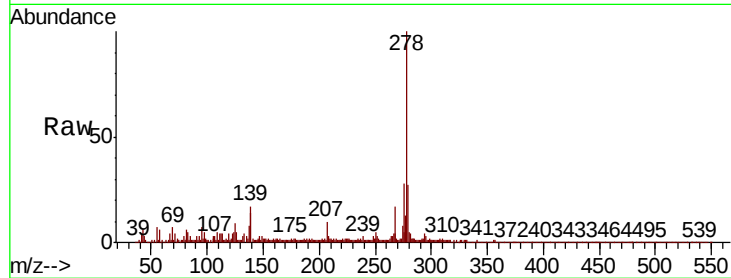
Tot Ion:278 Resp: 95422

Ion Ratio Lower Upper

278 100

139 17.3 12.4 18.6

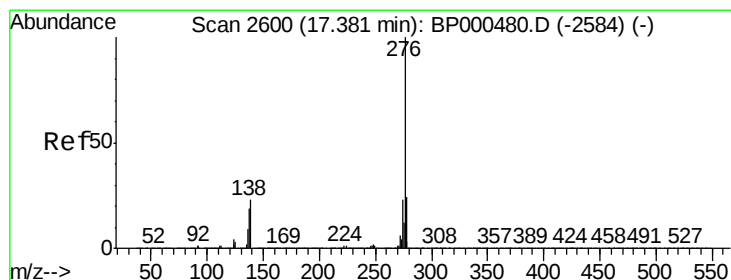
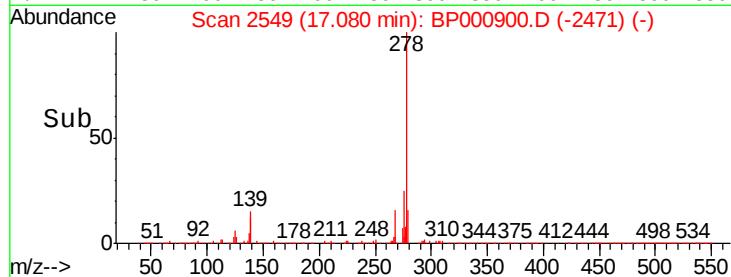
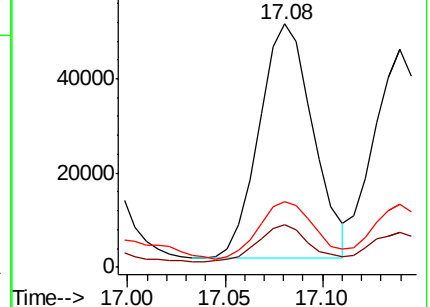
279 27.0 19.1 28.7



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(g,h,i)perylene

Concen: 12.746 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.00 min

Lab File: BP000900.D

Acq: 19 Oct 2019 01:05

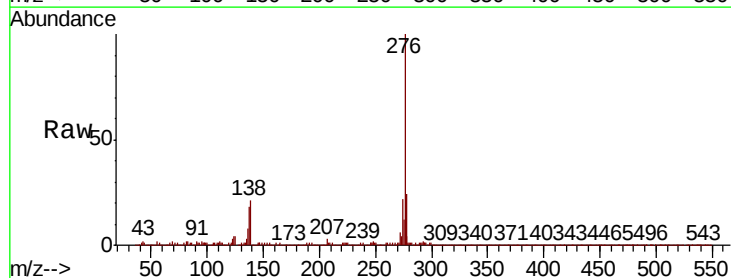
Tgt Ion:276 Resp: 381788

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 20.9 16.6 24.8



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

