

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
 Data File : BP003007.D  
 Acq On : 17 Aug 2020 17:44  
 Operator : CG/JU  
 Sample : L3691-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S711-N-SO-0-0.5-081320

Quant Time: Aug 18 01:13:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 17 14:07:35 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 368369   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.46 | 136  | 1322662  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.32 | 164  | 878208   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1659721  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.17 | 240  | 1990162  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 1903514  | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.29  | 112 | 1787146 | 74.25 | ng | 0.00 |
| 7) Phenol-d6                | 6.86  | 99  | 2143465 | 64.14 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.83  | 82  | 1274130 | 52.18 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 15.82 | 330 | 841879  | 77.13 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 12.95 | 172 | 3153400 | 49.06 | ng | 0.00 |
| 79) Terphenyl-d14           | 19.65 | 244 | 4206380 | 42.31 | ng | 0.00 |

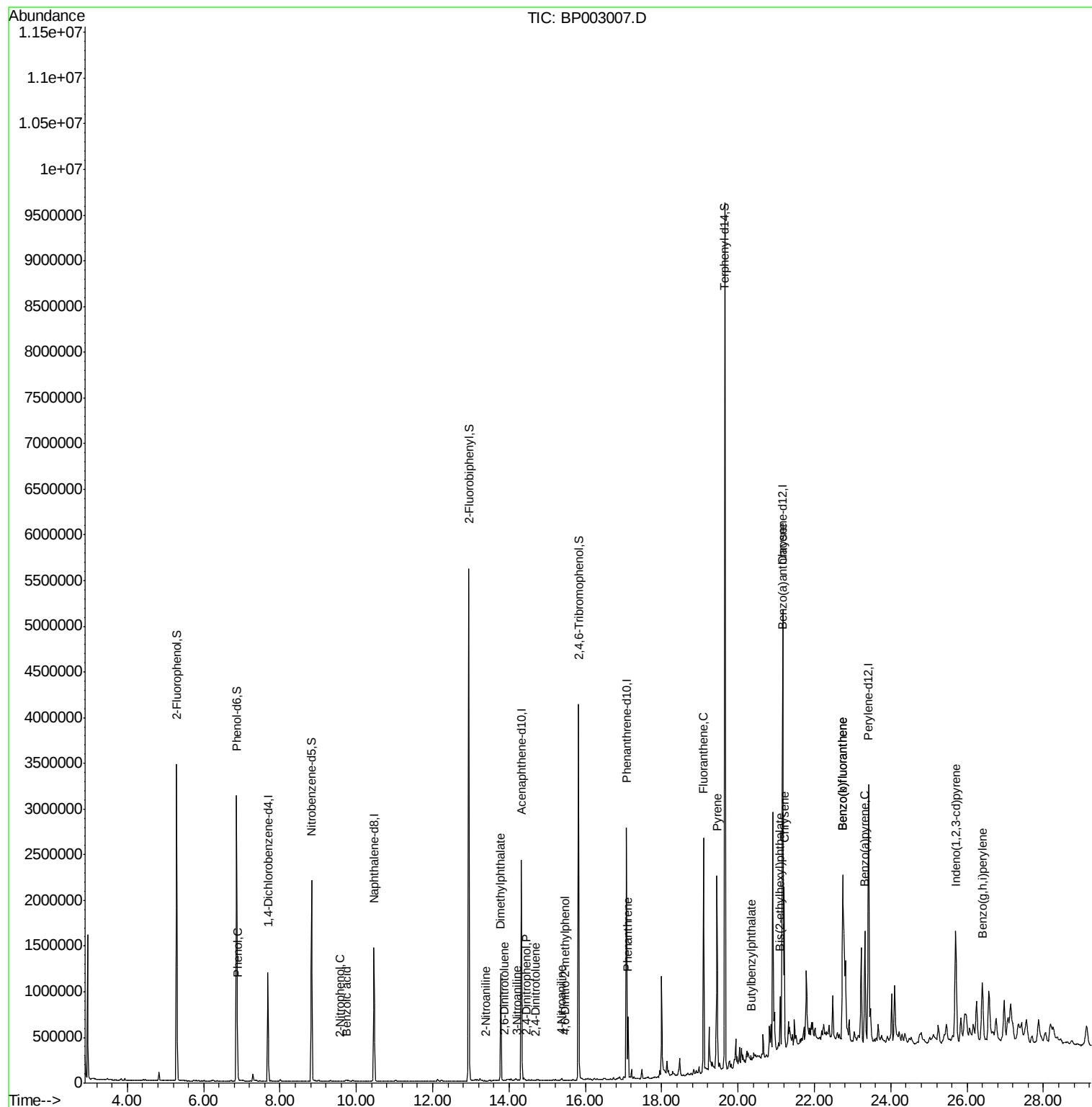
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 10) Phenol                     | 6.89  | 94  | 91520   | 2.719  | ng | 95   |
| 26) 2-Nitrophenol              | 9.57  | 139 | 59      | 4.525  | ng | # 1  |
| 32) Benzoic acid               | 9.73  | 122 | 11071   | 8.443  | ng | 93   |
| 48) 2-Nitroaniline             | 13.39 | 65  | 74      | 3.976  | ng | # 65 |
| 50) Dimethylphthalate          | 13.78 | 163 | 852757  | 12.415 | ng | 100  |
| 51) 2,6-Dinitrotoluene         | 13.87 | 165 | 372     | 2.922  | ng | # 79 |
| 53) 3-Nitroaniline             | 14.21 | 138 | 250     | 3.288  | ng | # 44 |
| 54) 2,4-Dinitrophenol          | 14.44 | 184 | 33      | 8.062  | ng | # 1  |
| 57) 2,4-Dinitrotoluene         | 14.69 | 165 | 150     | 3.813  | ng | # 46 |
| 62) 4-Nitroaniline             | 15.37 | 138 | 240     | 2.430  | ng | # 41 |
| 65) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 36      | 6.904  | ng | # 1  |
| 71) Phenanthrene               | 17.12 | 178 | 412169  | 4.235  | ng | 99   |
| 75) Fluoranthene               | 19.10 | 202 | 1558068 | 13.895 | ng | 98   |
| 78) Pyrene                     | 19.45 | 202 | 1305936 | 9.387  | ng | 99   |
| 80) Butylbenzylphthalate       | 20.33 | 149 | 7926    | 3.189  | ng | # 83 |
| 81) Benzo(a)anthracene         | 21.16 | 228 | 753618  | 5.559  | ng | 100  |
| 83) Chrysene                   | 21.20 | 228 | 965261  | 7.548  | ng | 98   |
| 84) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 224555  | 2.916  | ng | 97   |
| 87) Indeno(1,2,3-cd)pyrene     | 25.70 | 276 | 796724  | 5.226  | ng | 95   |
| 88) Benzo(b)fluoranthene       | 22.74 | 252 | 2024203 | 15.069 | ng | 100  |
| 89) Benzo(k)fluoranthene       | 22.74 | 252 | 2024203 | 15.943 | ng | 100  |
| 90) Benzo(a)pyrene             | 23.32 | 252 | 868366  | 7.154  | ng | 100  |
| 92) Benzo(g,h,i)perylene       | 26.40 | 276 | 805560  | 6.421  | ng | 98   |

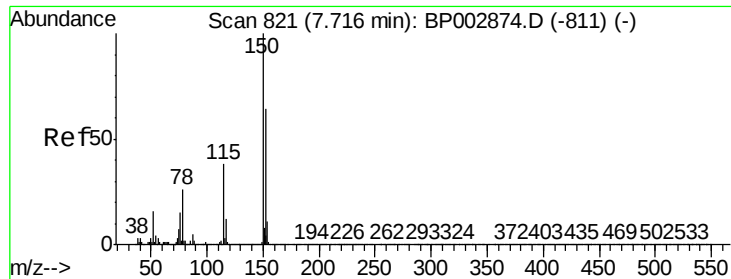
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.69 min Scan# 816

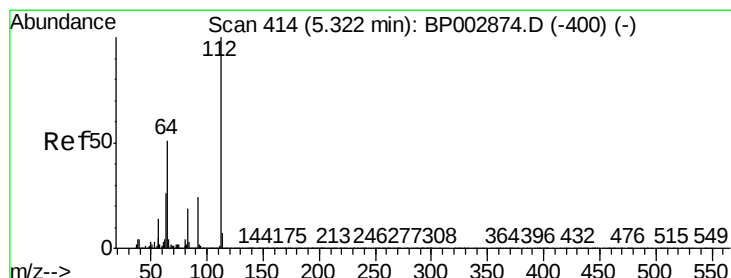
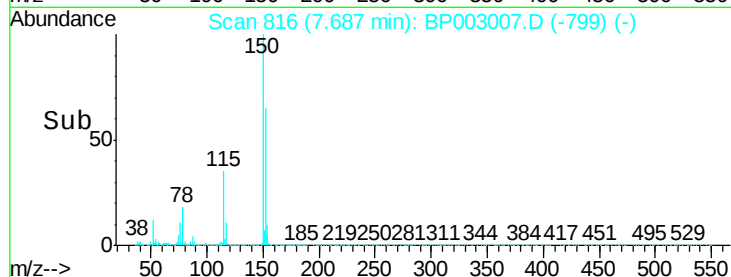
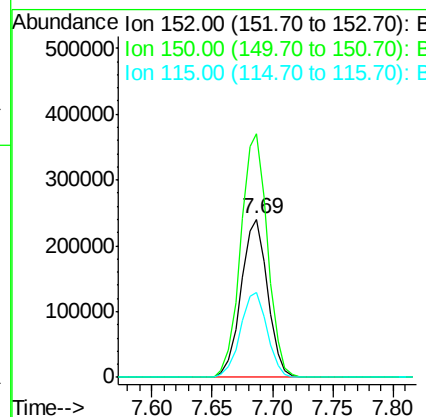
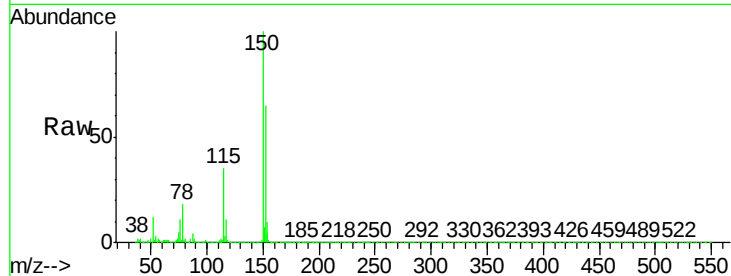
Delta R.T. -0.00 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.8 | 126.1 | 189.1 |
| 115     | 53.3  | 43.4  | 65.2  |



#5

2-Fluorophenol

Concen: 74.252 ng

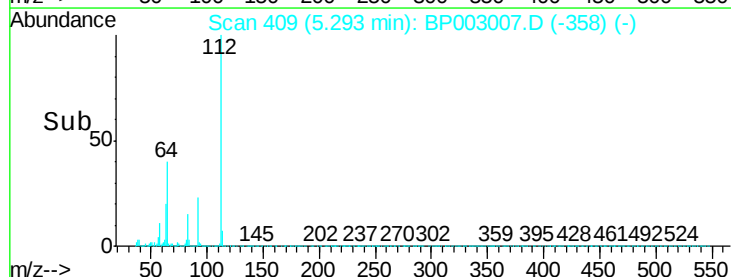
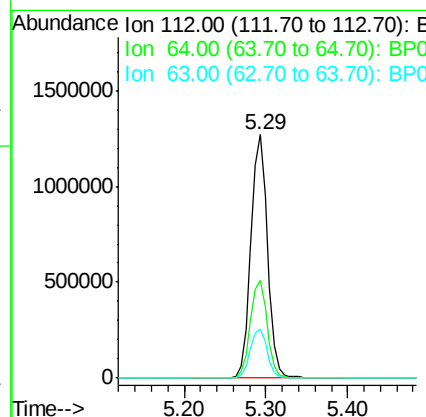
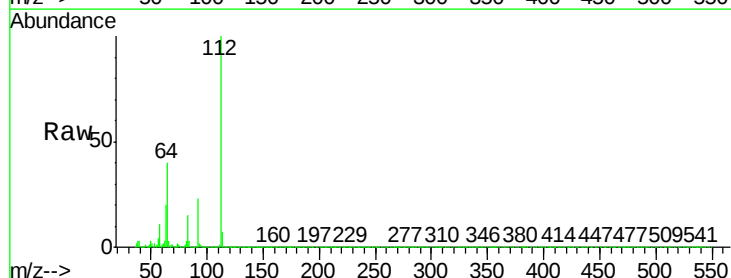
RT: 5.29 min Scan# 409

Delta R.T. -0.00 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 40.2  | 33.4  | 50.2  |
| 63      | 20.3  | 17.4  | 26.0  |





#7

Phenol-d6

Concen: 64.145 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

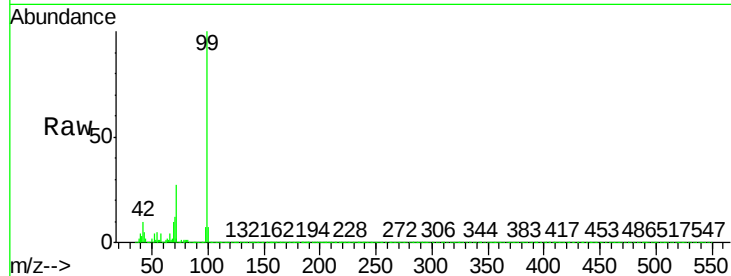
BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

Tot Ion: 99 Resp: 2143465

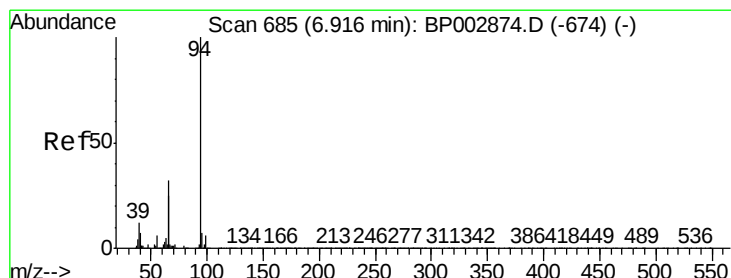
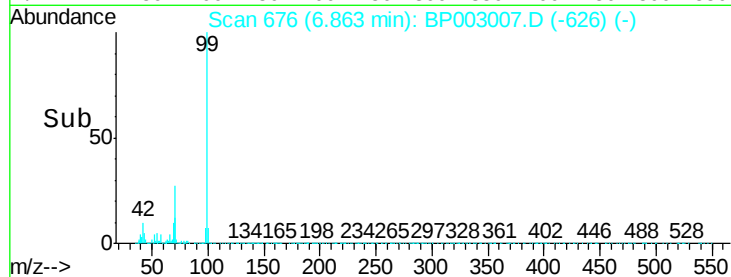
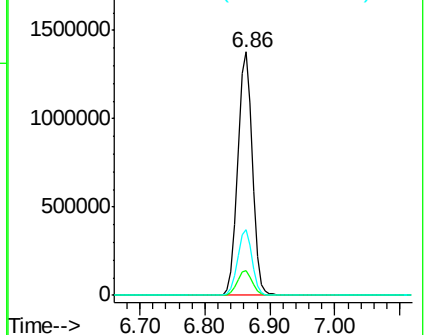
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 9.9   | 8.0   | 12.0  |
| 71  | 26.8  | 21.3  | 31.9  |



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



#10

Phenol

Concen: 2.719 ng

RT: 6.89 min Scan# 680

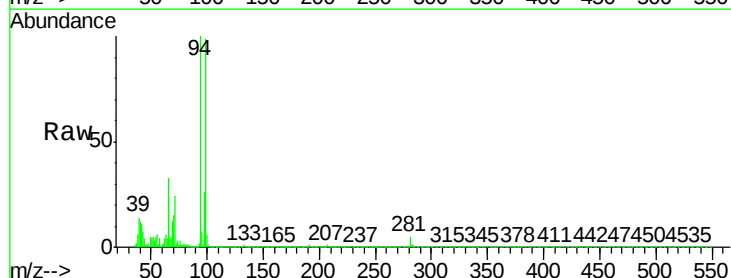
Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Tgt Ion: 94 Resp: 91520

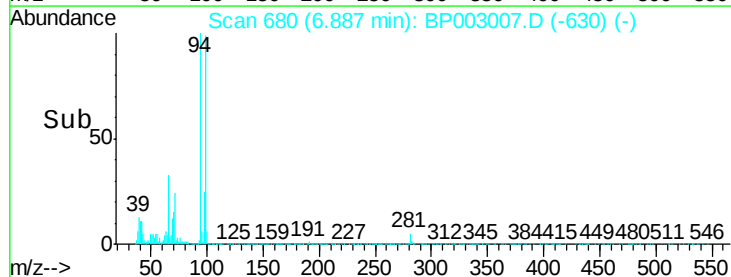
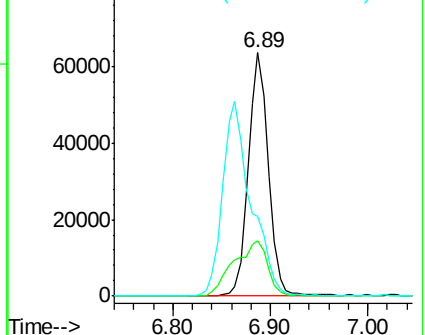
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 22.6  | 1.7   | 41.7  |
| 66  | 32.7  | 8.6   | 48.6  |

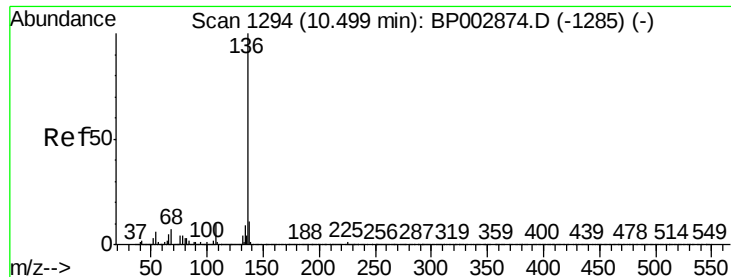


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

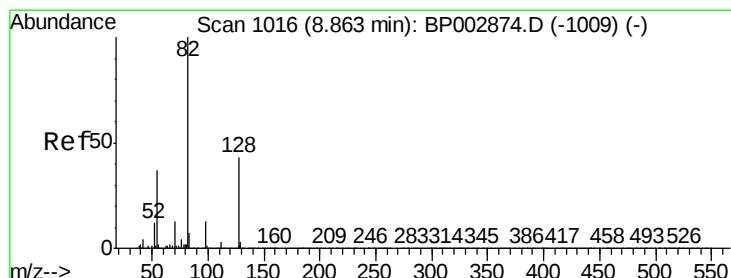
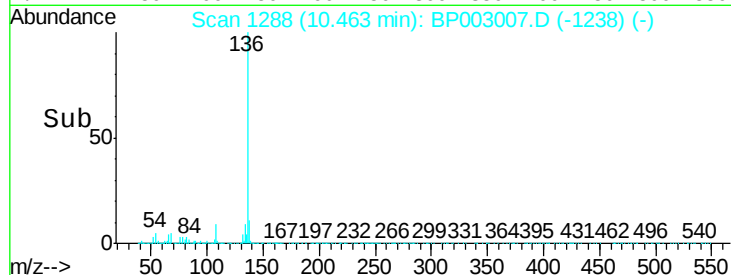
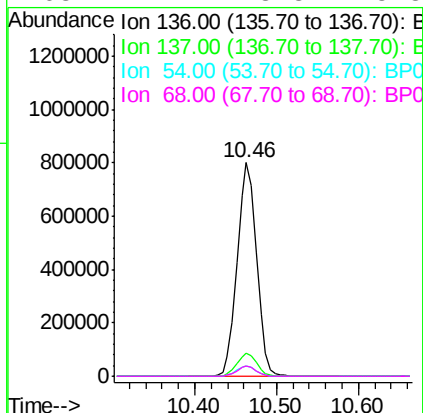
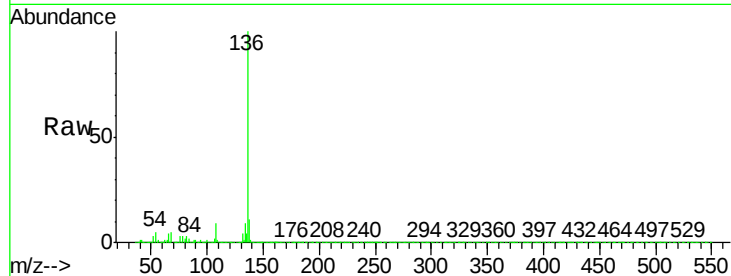




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.46 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

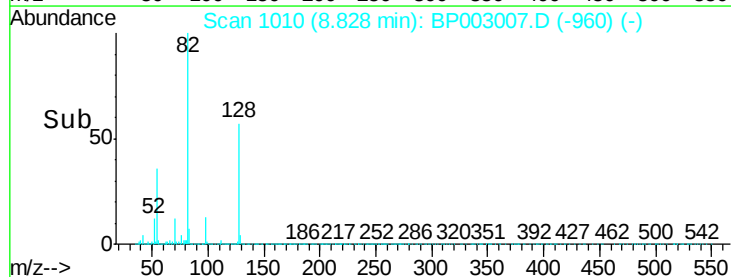
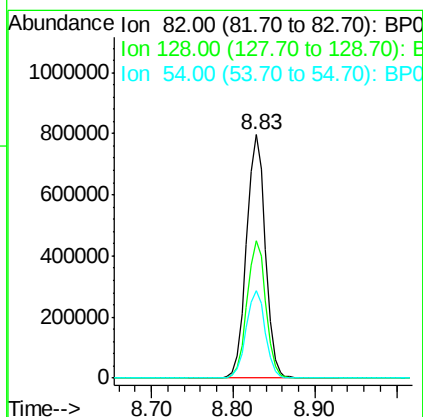
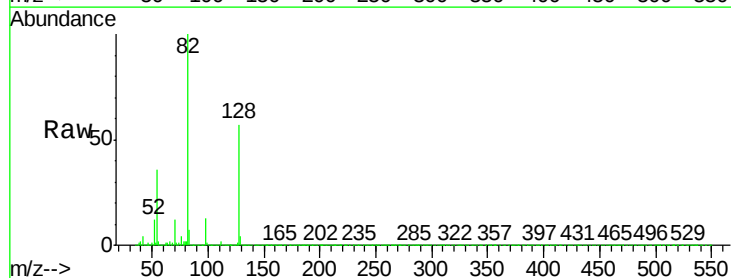
Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320

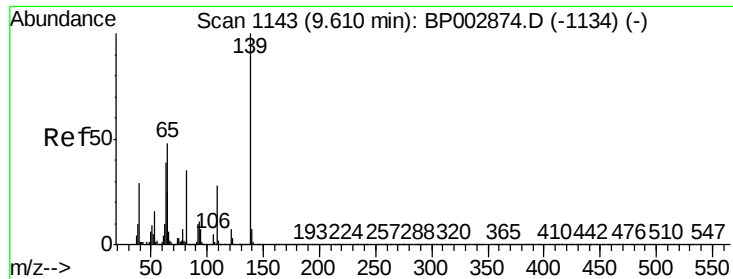
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1322662 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 10.9    | 8.8 13.2      |
| 54 4.7      | 3.8 5.8       |
| 68 4.7      | 3.8 5.8       |



#23  
Nitrobenzene-d5  
Concen: 52.175 ng  
RT: 8.83 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

|     |         |               |       |
|-----|---------|---------------|-------|
| Tgt | Ion: 82 | Resp: 1274130 |       |
| Ion | Ratio   | Lower         | Upper |
| 82  | 100     |               |       |
| 128 | 56.6    | 45.1          | 67.7  |
| 54  | 36.0    | 28.8          | 43.2  |

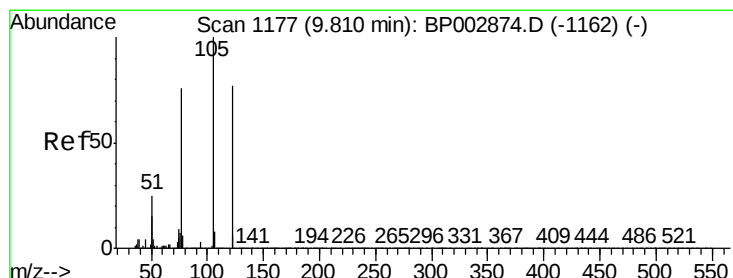
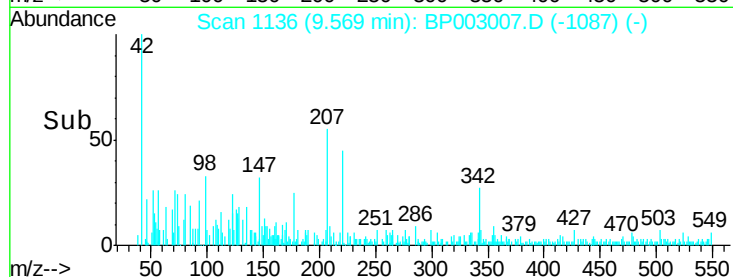
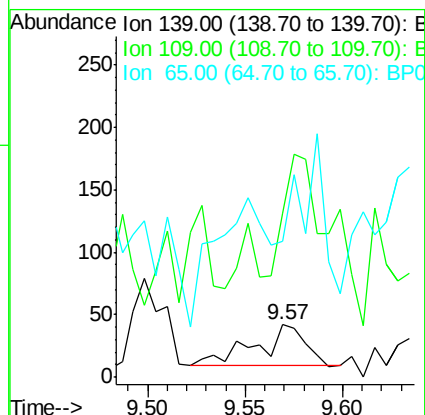
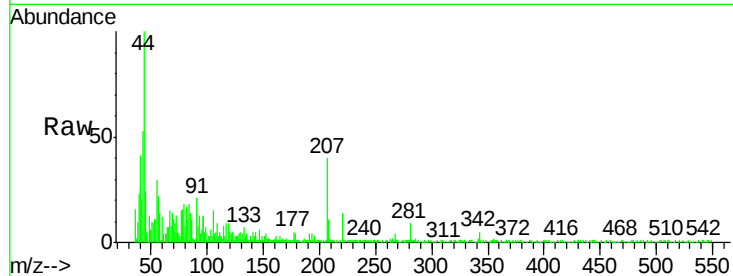




#26  
2-Nitrophenol  
Concen: 4.525 ng  
RT: 9.57 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

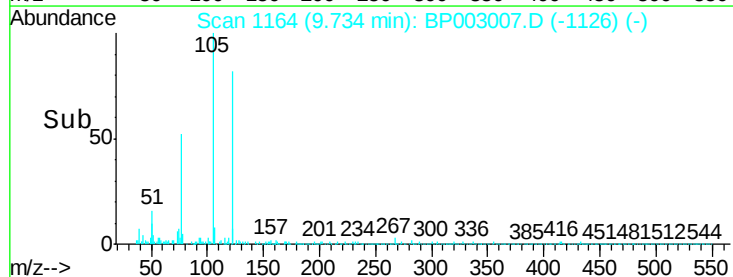
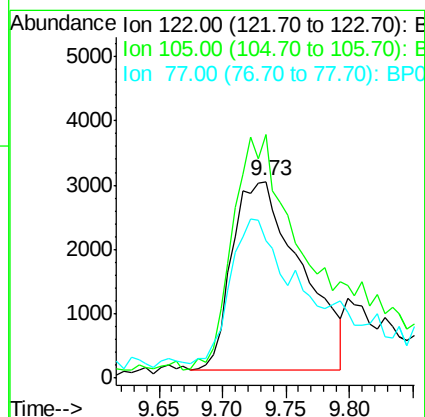
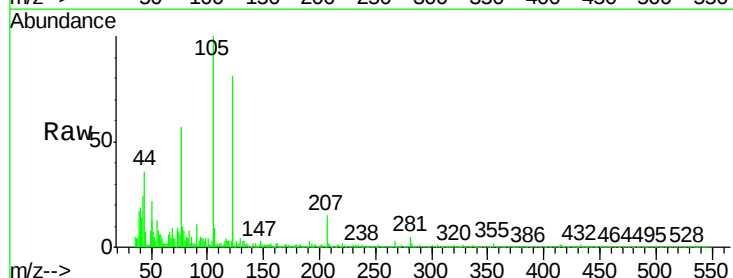
Instrument :  
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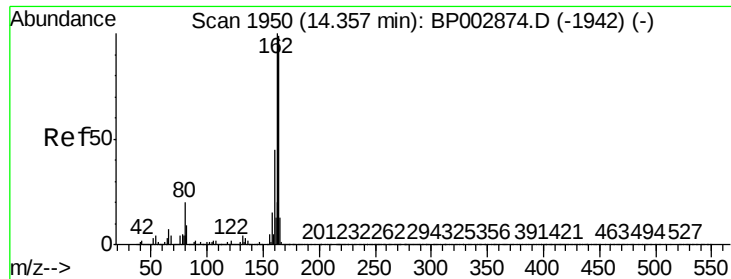
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 311.9 | 21.0  | 31.6# |
| 65      | 259.5 | 27.2  | 40.8# |



#32  
Benzoic acid  
Concen: 8.443 ng  
RT: 9.73 min Scan# 1164  
Delta R.T. -0.08 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 123.7 | 96.2  | 136.2 |
| 77      | 70.1  | 55.6  | 95.6  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

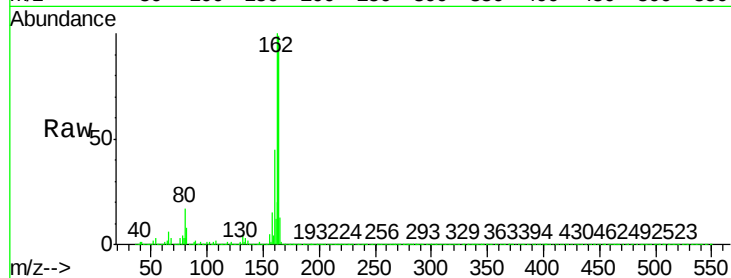
Tot Ion:164 Resp: 878208

Ion Ratio Lower Upper

164 100

162 101.5 81.4 122.0

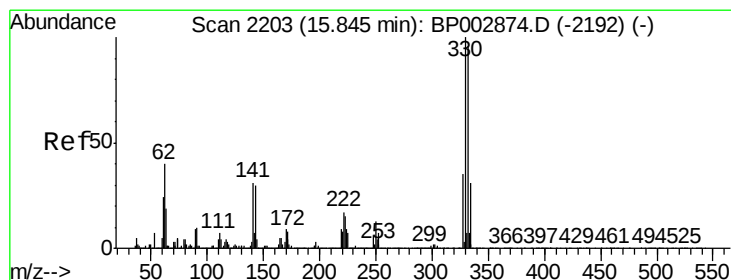
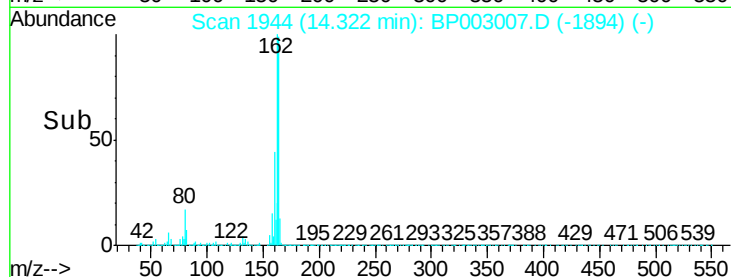
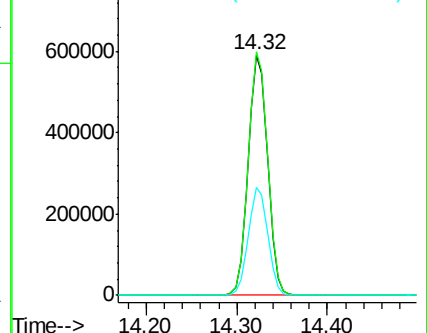
160 45.2 35.5 53.3



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



#42

2,4,6-Tribromophenol

Concen: 77.130 ng

RT: 15.82 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

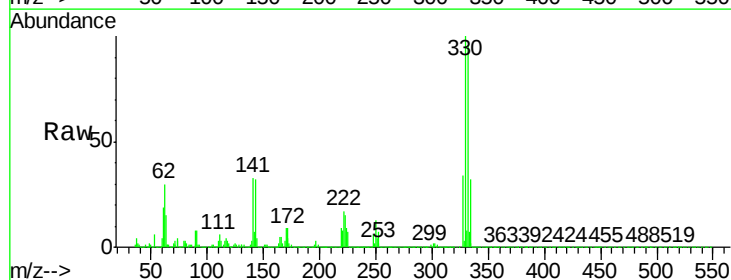
Tgt Ion:330 Resp: 841879

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

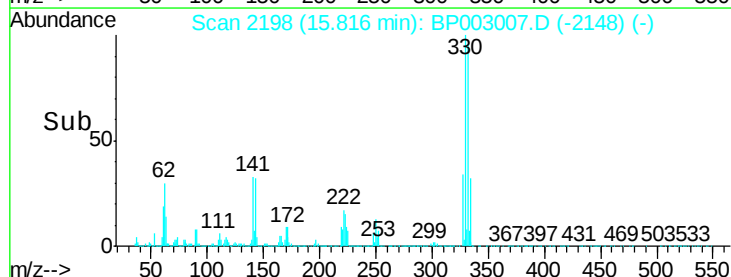
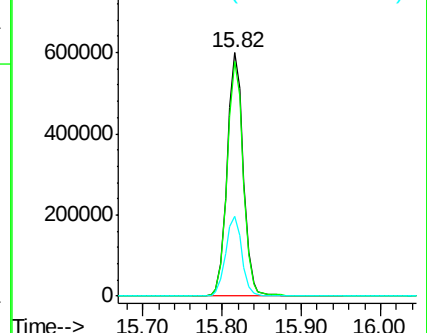
141 33.0 26.7 40.1

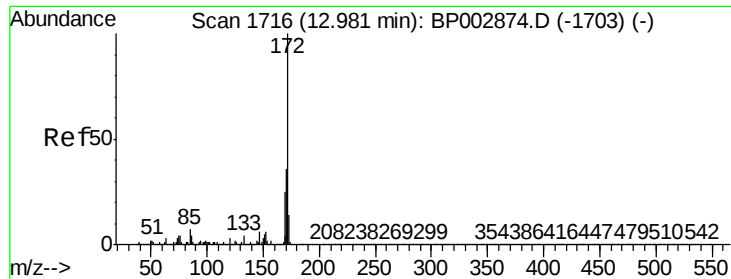


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

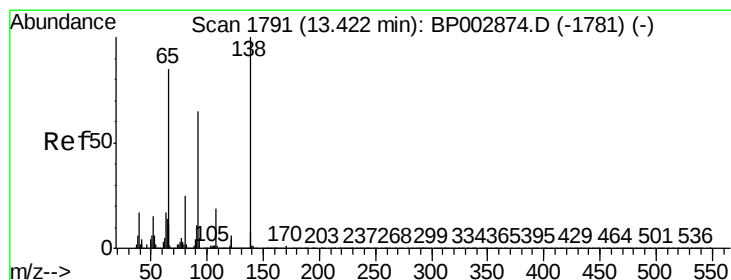
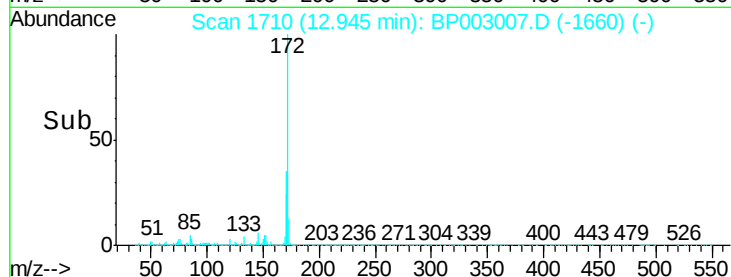
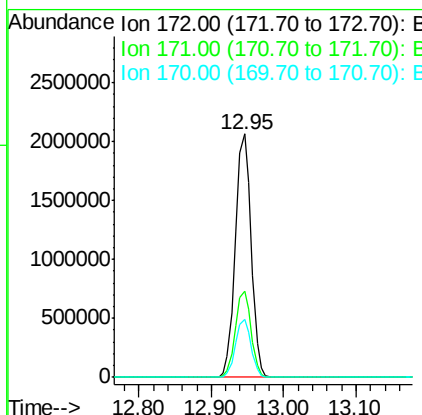
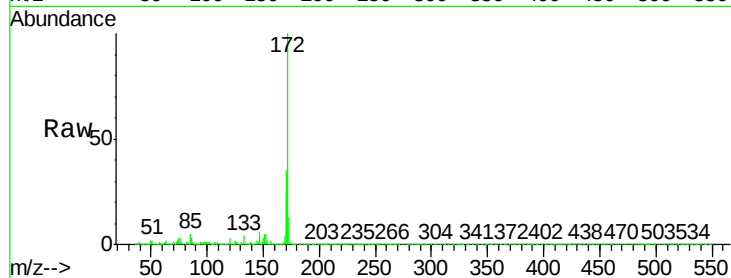




#45  
2-Fluorobiphenyl  
Concen: 49.060 ng  
RT: 12.95 min Scan# 1710  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

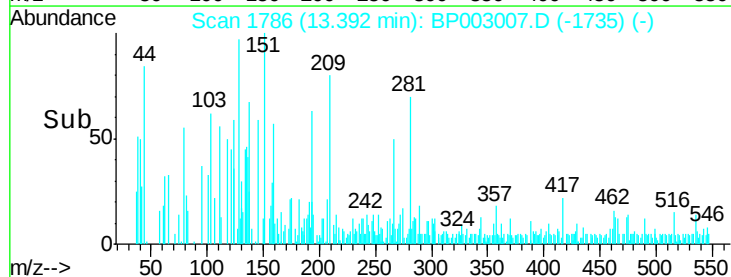
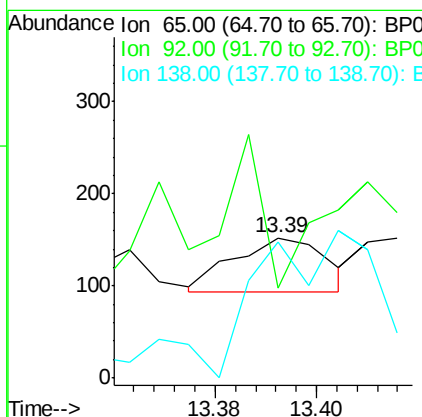
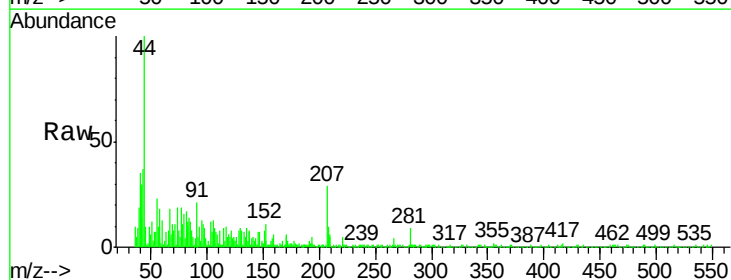
Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320

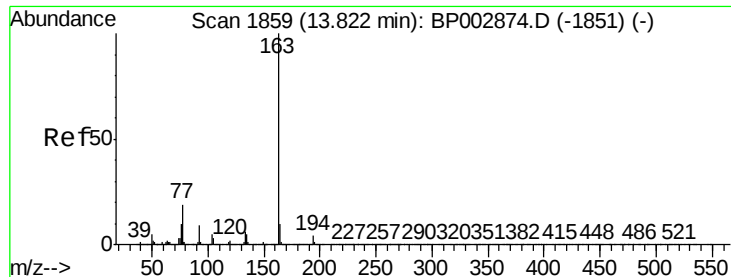
Tot Ion:172 Resp: 3153400  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.0 43.4  
170 23.7 19.1 28.7



#48  
2-Nitroaniline  
Concen: 3.976 ng  
RT: 13.39 min Scan# 1786  
Delta R.T. -0.00 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

Tgt Ion: 65 Resp: 74  
Ion Ratio Lower Upper  
65 100  
92 64.5 70.1 105.1#  
138 109.2 129.7 194.5#





#50

Dimethylphthalate

Concen: 12.415 ng

RT: 13.78 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

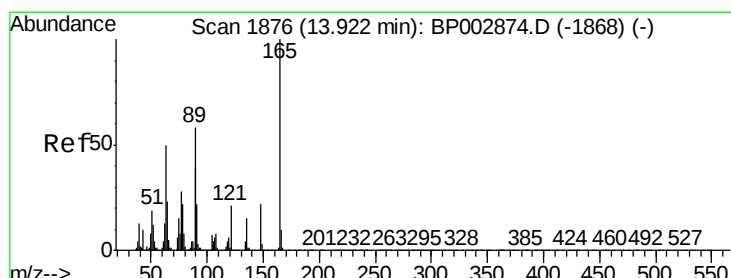
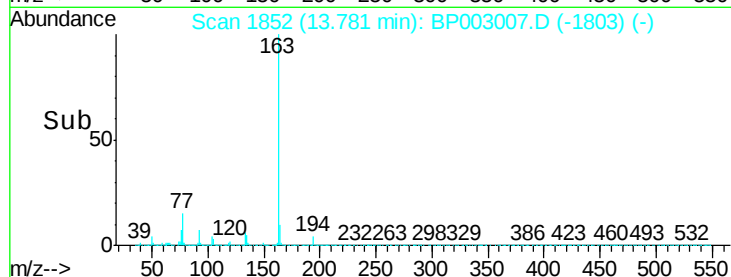
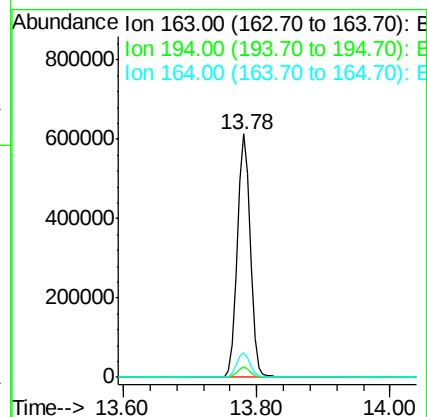
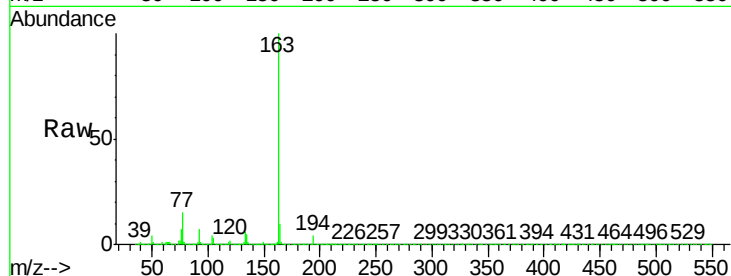
Tot Ion:163 Resp: 852757

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.1 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 2.922 ng

RT: 13.87 min Scan# 1868

Delta R.T. -0.02 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

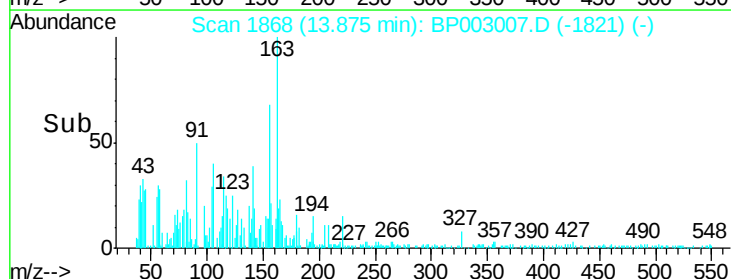
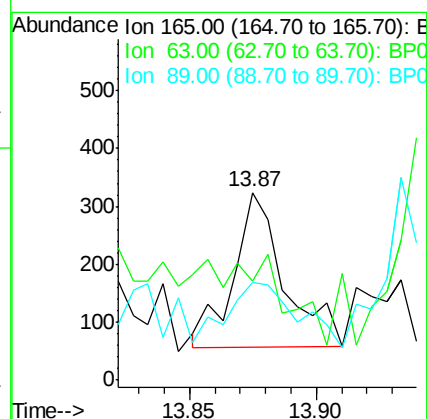
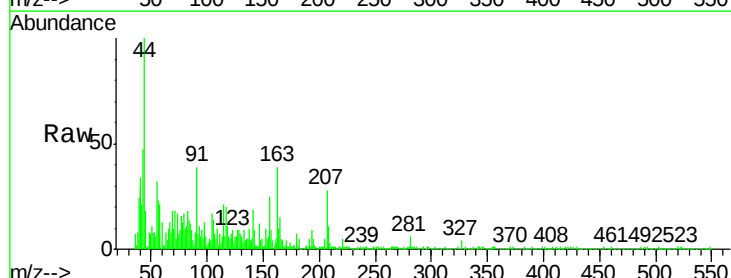
Tgt Ion:165 Resp: 372

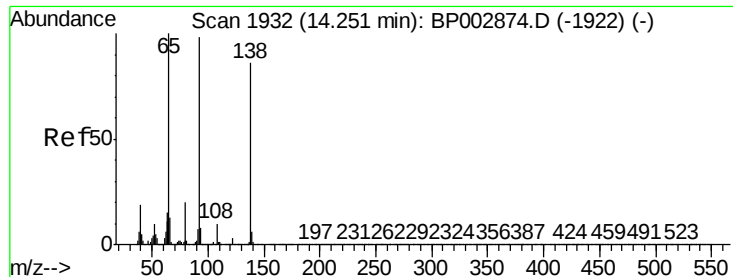
Ion Ratio Lower Upper

165 100

63 52.8 28.1 42.1#

89 51.9 34.5 51.7#





#53

3-Nitroaniline

Concen: 3.288 ng

RT: 14.21 min Scan# 1925

Delta R.T. -0.02 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

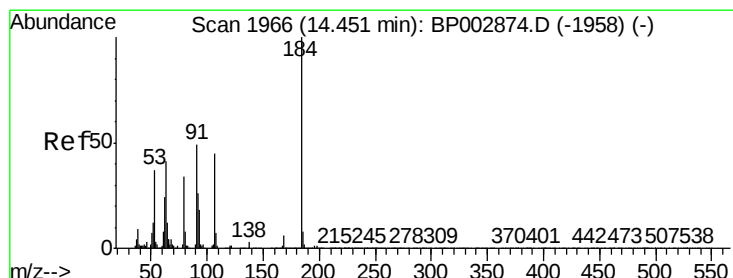
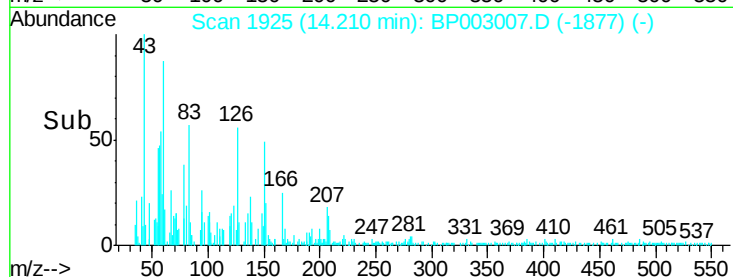
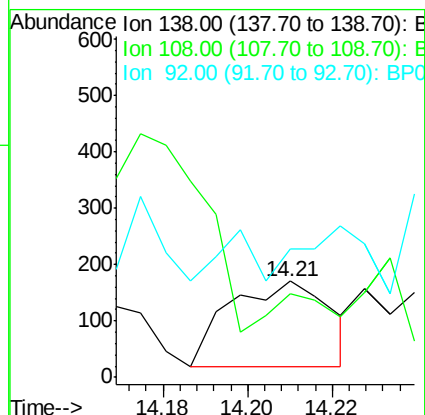
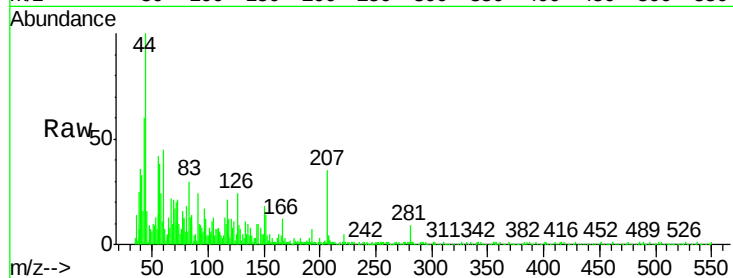
Tot Ion:138 Resp: 250

Ion Ratio Lower Upper

138 100

108 86.5 7.7 11.5#

92 133.3 75.6 113.4#



#54

2,4-Dinitrophenol

Concen: 8.062 ng

RT: 14.44 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

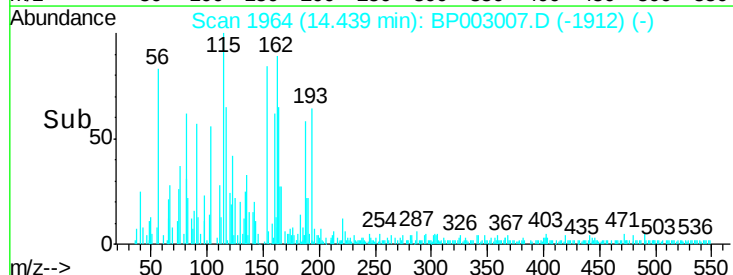
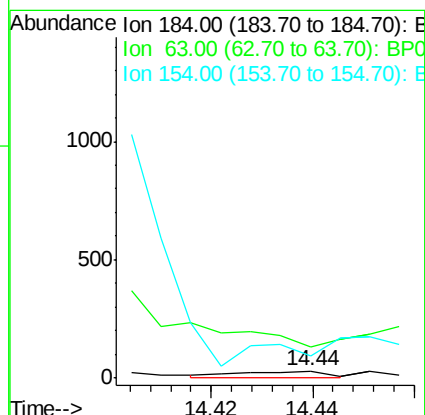
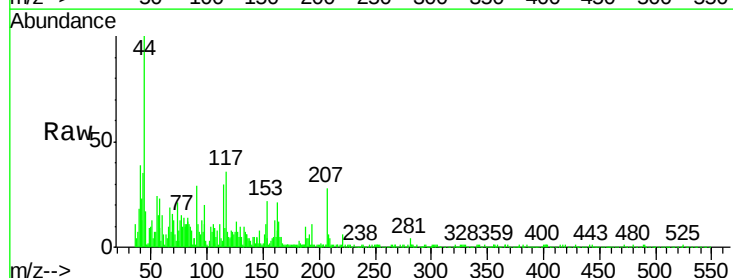
Tgt Ion:184 Resp: 33

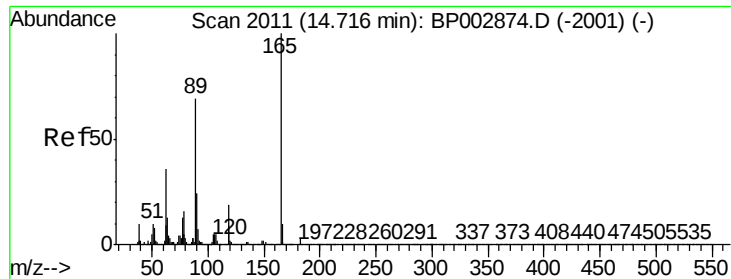
Ion Ratio Lower Upper

184 100

63 443.3 33.0 49.6#

154 393.3 46.8 70.2#

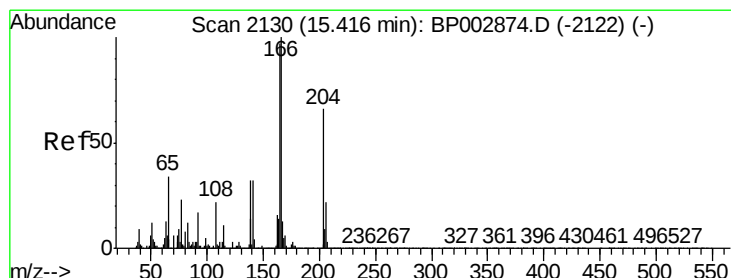
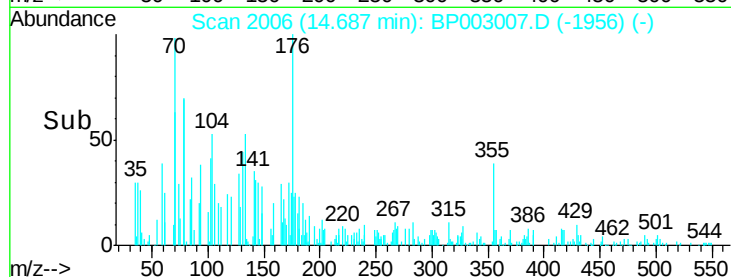
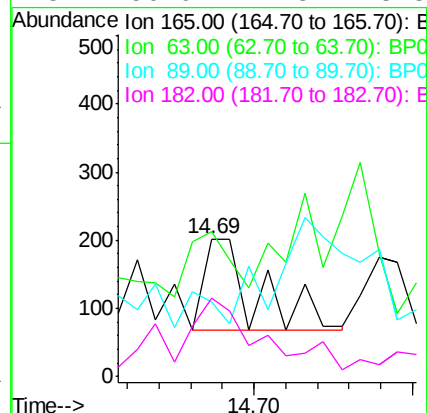
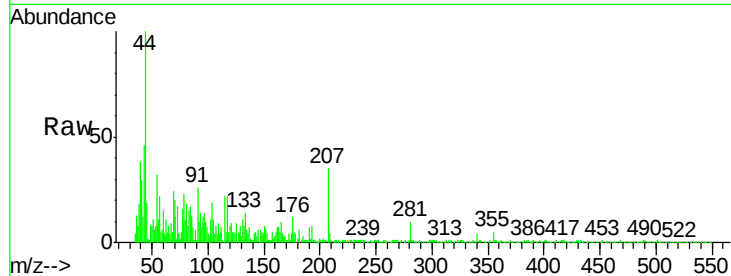




#57  
2,4-Dinitrotoluene  
Concen: 3.813 ng  
RT: 14.69 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

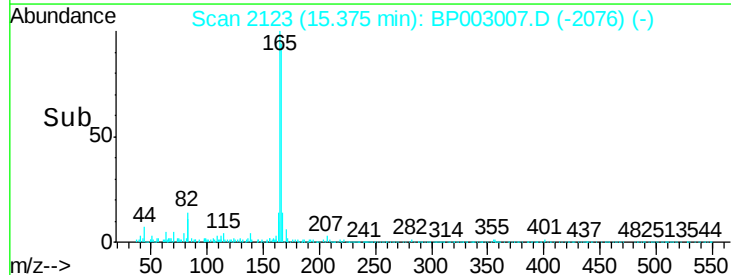
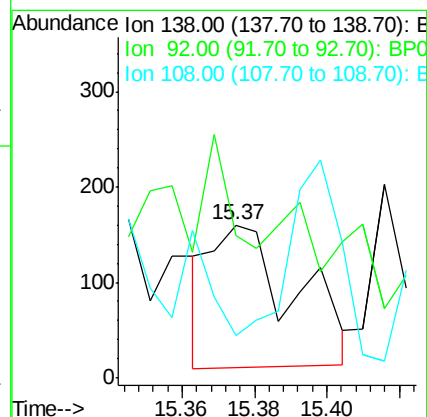
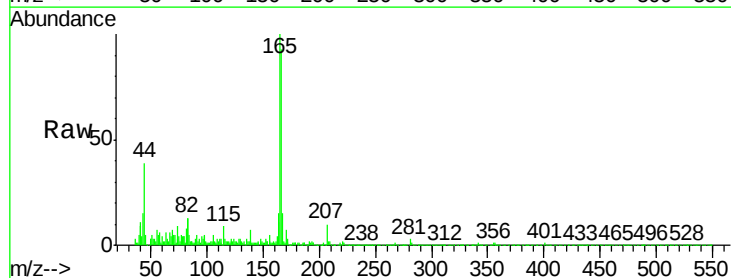
Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320

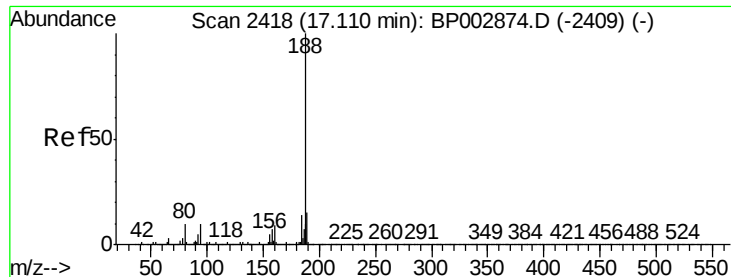
| Tot Ion:165 | Resp: | 150         |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 105.0 | 20.6 31.0#  |
| 89          | 54.0  | 43.4 65.0   |
| 182         | 56.9  | 2.3 3.5#    |



#62  
4-Nitroaniline  
Concen: 2.430 ng  
RT: 15.37 min Scan# 2123  
Delta R.T. -0.02 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

| Tgt Ion:138 | Resp: | 240         |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 138         | 100   |             |
| 92          | 93.1  | 21.4 61.4#  |
| 108         | 27.5  | 40.8 80.8#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

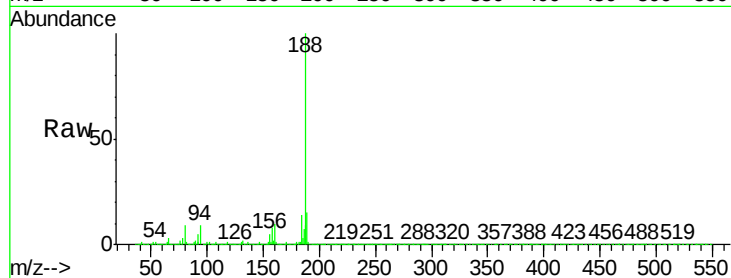
Tot Ion:188 Resp: 1659721

Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

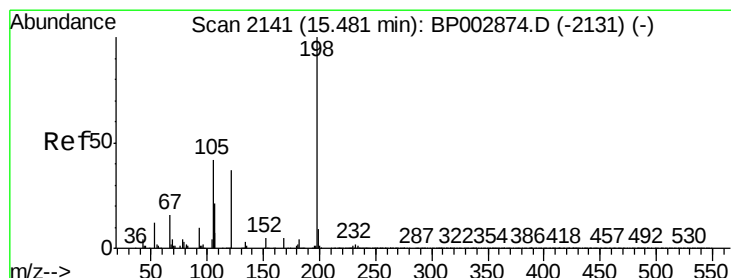
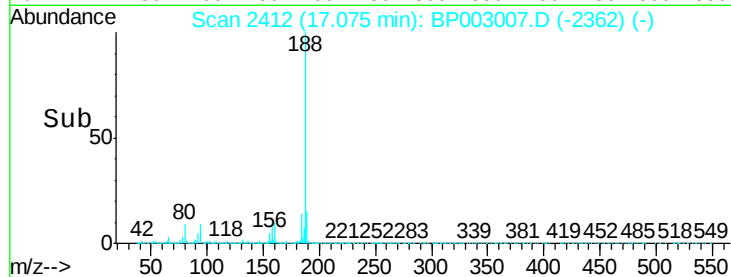
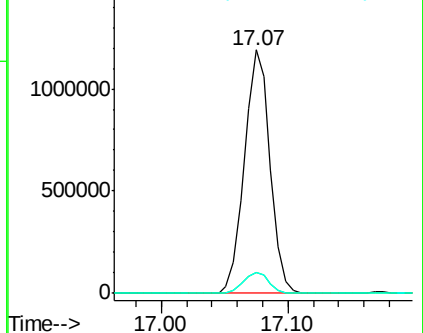
80 8.6 6.7 10.1



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: 6.904 ng

RT: 15.46 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

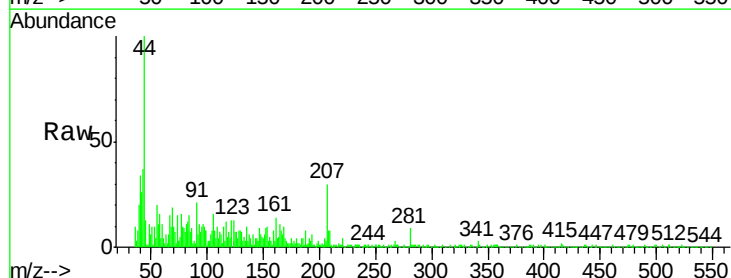
Tgt Ion:198 Resp: 36

Ion Ratio Lower Upper

198 100

51 583.3 6.2 46.2#

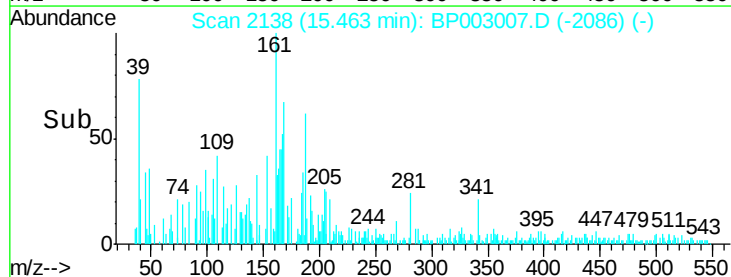
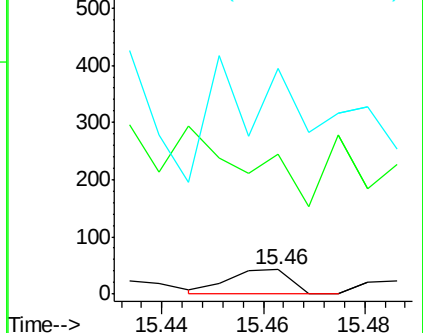
105 940.5 19.9 59.9#

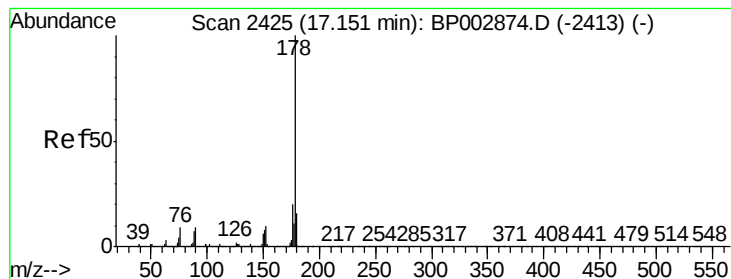


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 4.235 ng

RT: 17.12 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

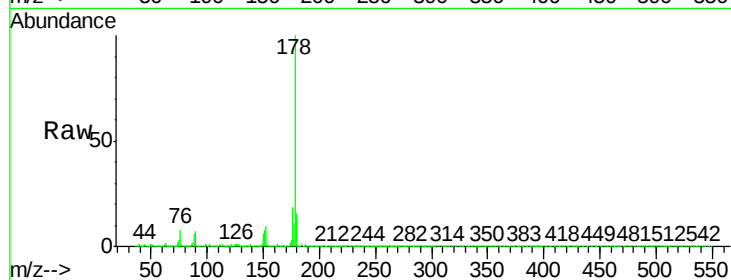
BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

Tot Ion:178 Resp: 412169

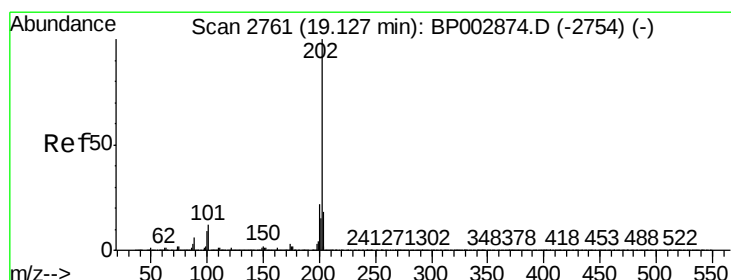
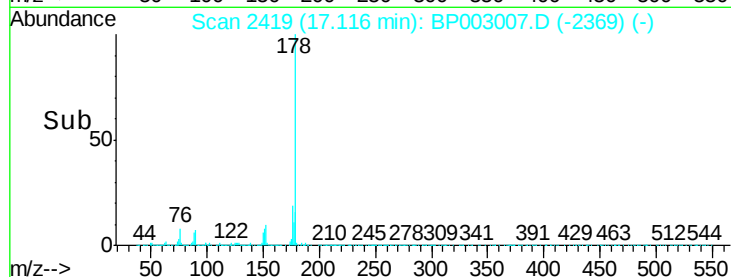
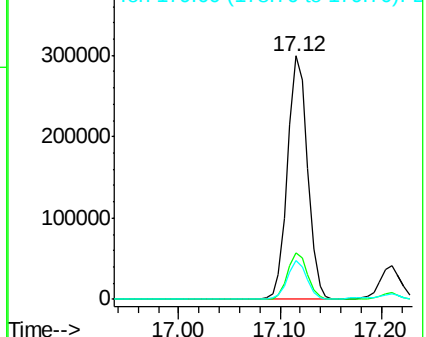
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.3  | 15.8  | 23.8  |
| 179 | 15.7  | 12.9  | 19.3  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 13.895 ng

RT: 19.10 min Scan# 2756

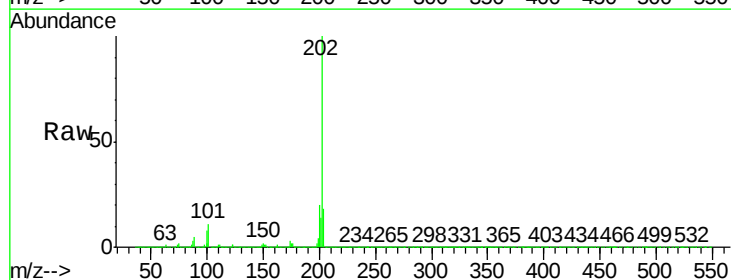
Delta R.T. -0.00 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Tgt Ion:202 Resp: 1558068

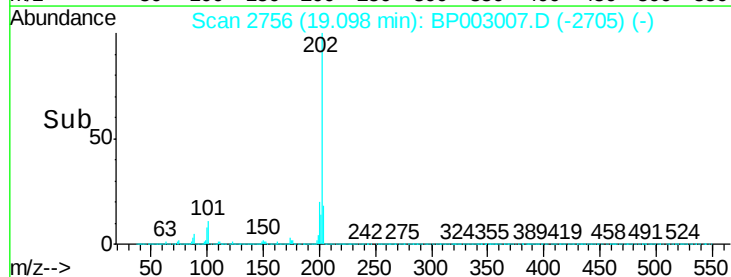
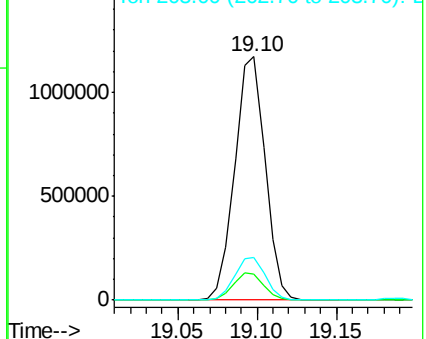
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 10.6  | 0.0   | 31.2  |
| 203 | 17.5  | 0.0   | 38.4  |

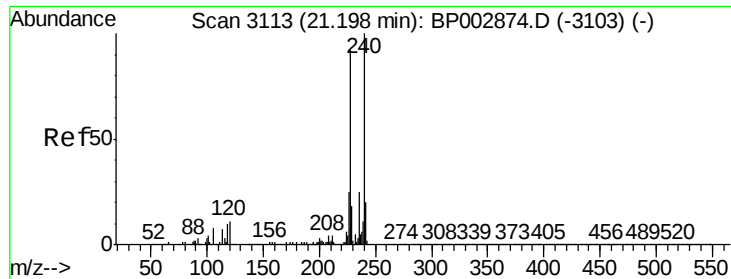


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



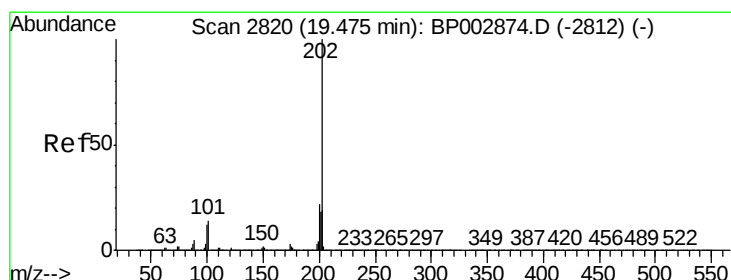
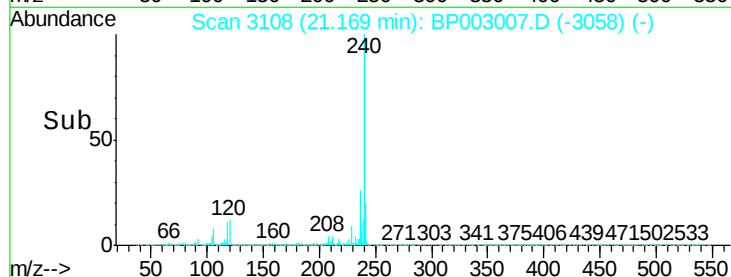
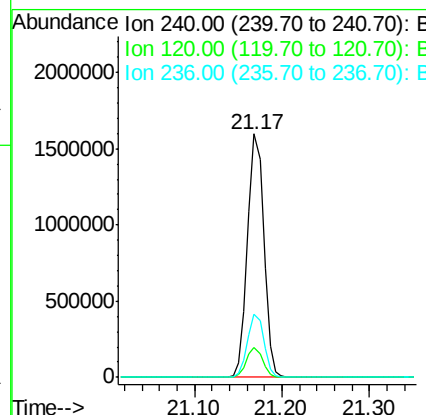
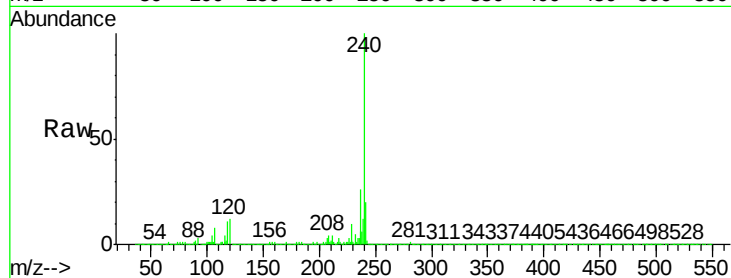


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3108  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320

Tot Ion:240 Resp: 1990162

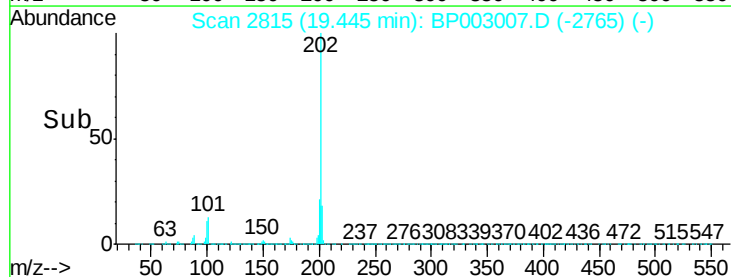
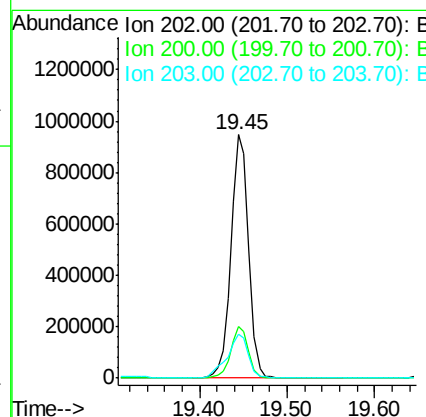
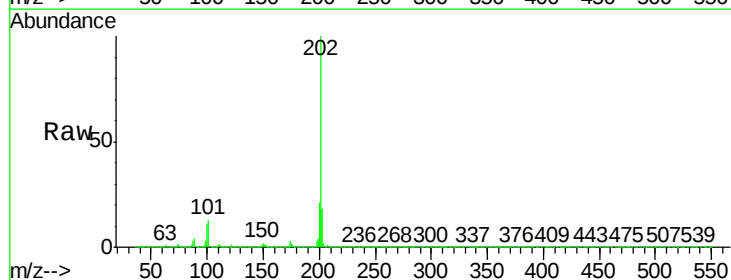
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 12.1  | 9.5   | 14.3  |
| 236 | 25.9  | 20.8  | 31.2  |

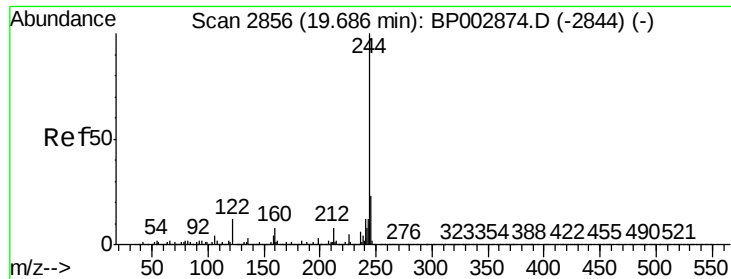


#78  
Pyrene  
Concen: 9.387 ng  
RT: 19.45 min Scan# 2815  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

Tgt Ion:202 Resp: 1305936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.2  | 17.8  | 26.6  |
| 203 | 18.2  | 14.6  | 22.0  |





#79

Terphenyl-d14

Concen: 42.313 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

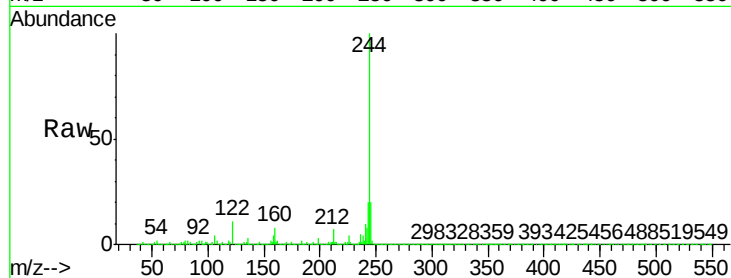
BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

Tot Ion:244 Resp: 4206380

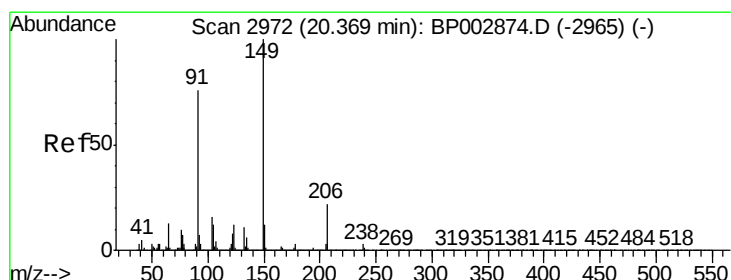
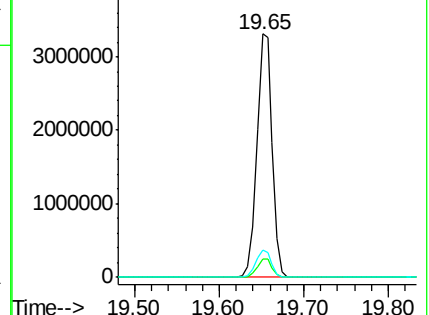
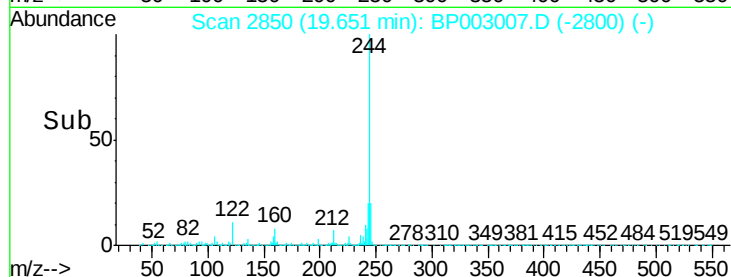
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 6.3   | 9.5   |
| 122 | 11.3  | 8.7   | 13.1  |



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: 3.189 ng

RT: 20.33 min Scan# 2966

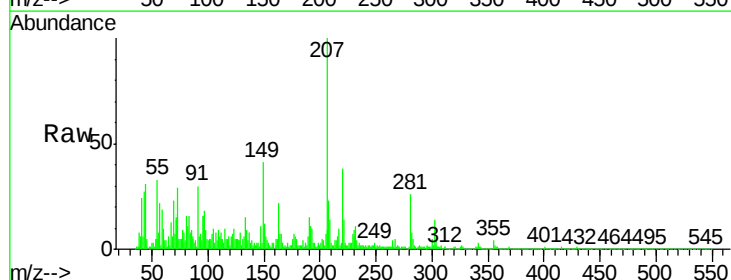
Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Tgt Ion:149 Resp: 7926

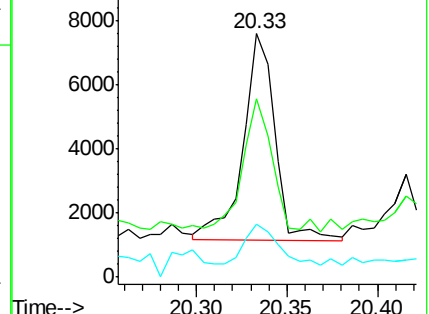
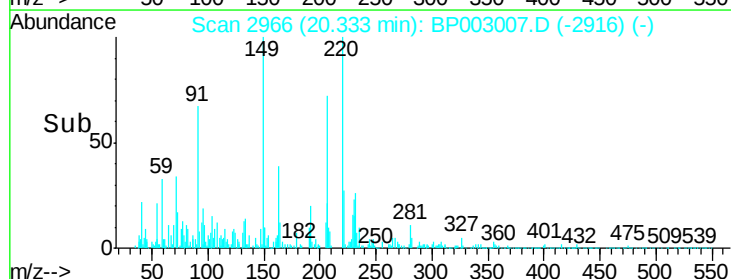
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 73.4  | 45.3  | 67.9# |
| 206 | 22.0  | 17.5  | 26.3  |

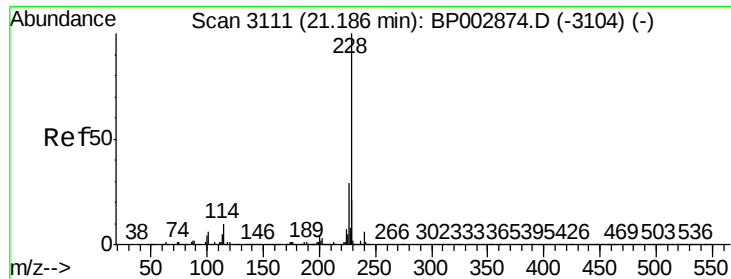


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

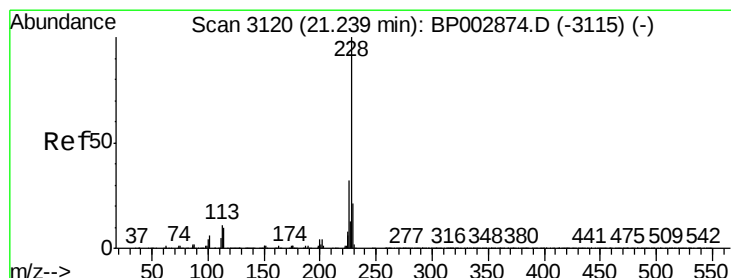
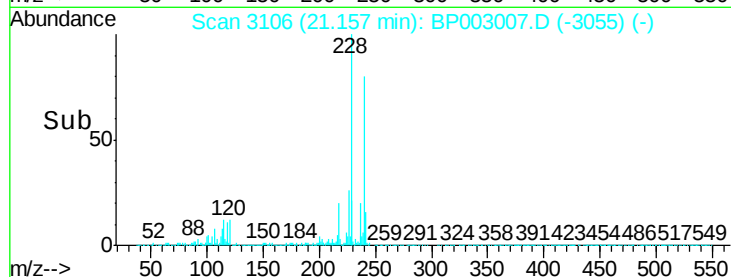
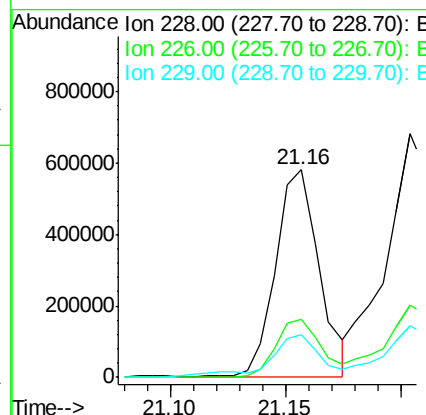
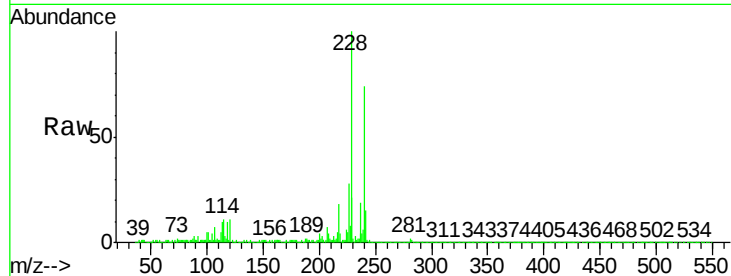




#81  
Benzo(a)anthracene  
Concen: 5.559 ng  
RT: 21.16 min Scan# 3106  
Delta R.T. -0.00 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

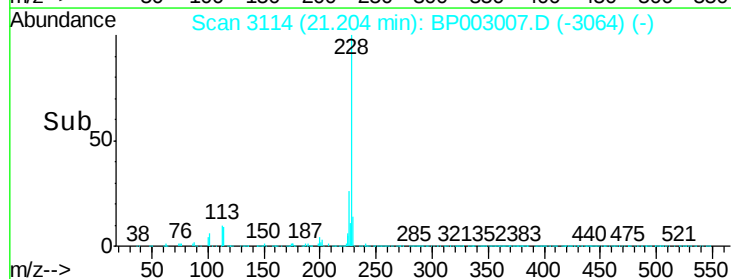
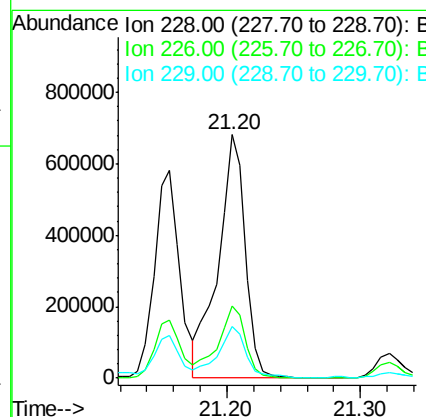
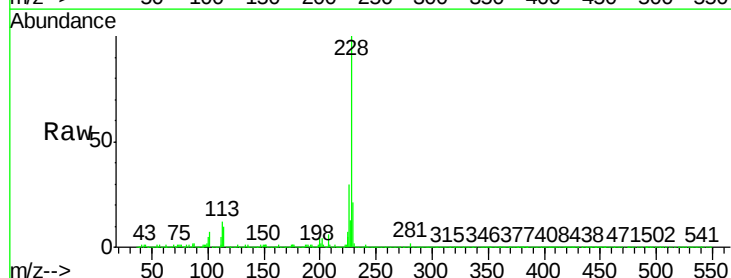
Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320

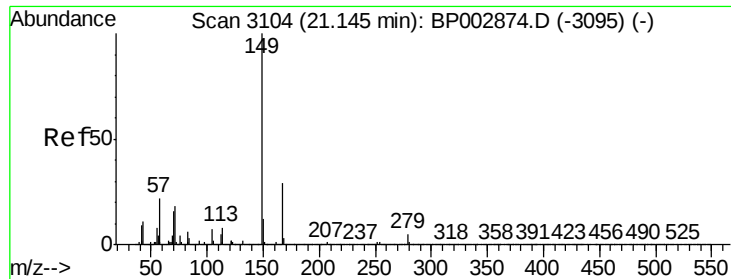
Tot Ion:228 Resp: 753618  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.6 33.8  
229 20.6 16.5 24.7



#83  
Chrysene  
Concen: 7.548 ng  
RT: 21.20 min Scan# 3114  
Delta R.T. -0.01 min  
Lab File: BP003007.D  
Acq: 17 Aug 2020 17:44

Tgt Ion:228 Resp: 965261  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.9 37.3  
229 21.1 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.916 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

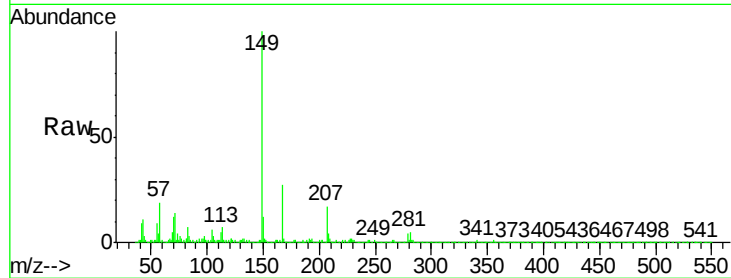
Tot Ion:149 Resp: 224555

Ion Ratio Lower Upper

149 100

167 26.7 22.9 34.3

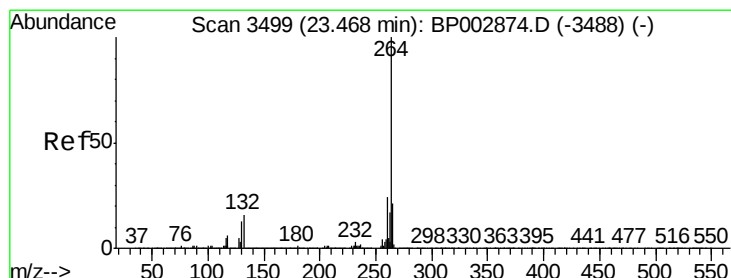
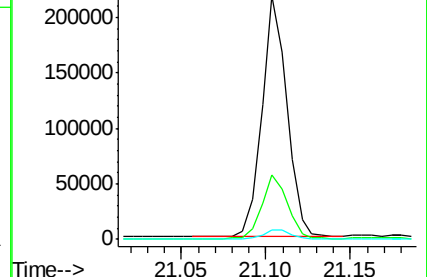
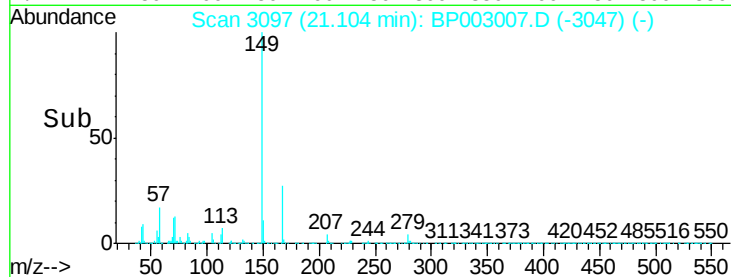
279 3.9 3.8 5.8



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

Perylene-d12

Concen: 20.000 ng

RT: 23.42 min Scan# 3490

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

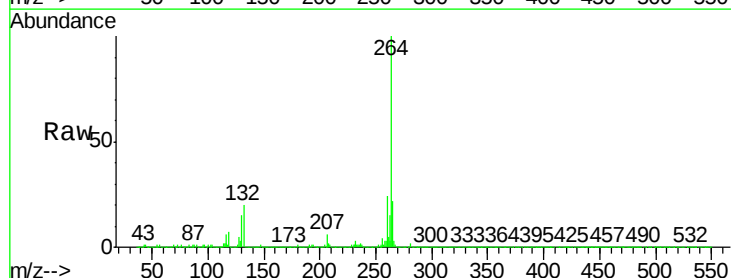
Tgt Ion:264 Resp: 1903514

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

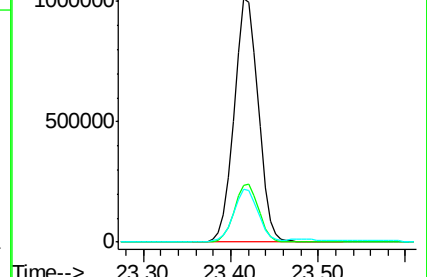
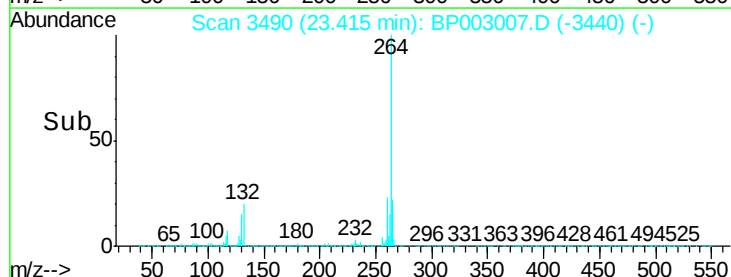
265 21.8 17.3 25.9

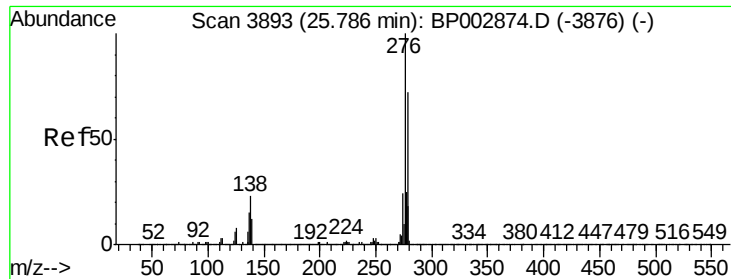


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

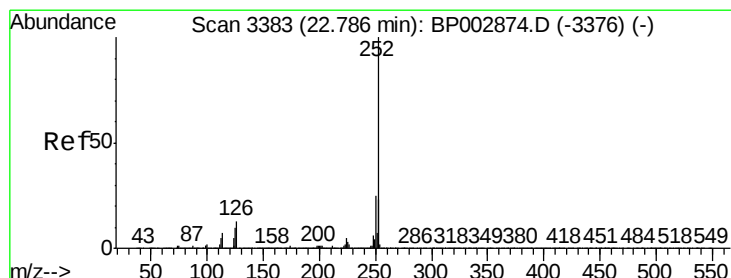
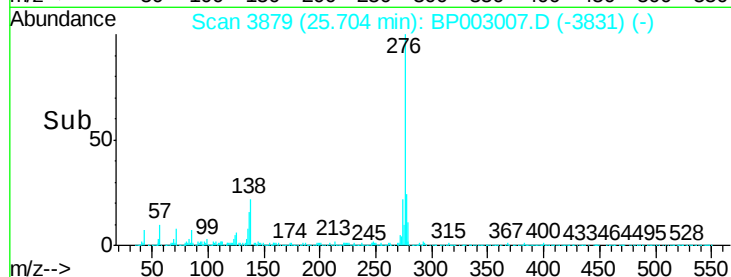
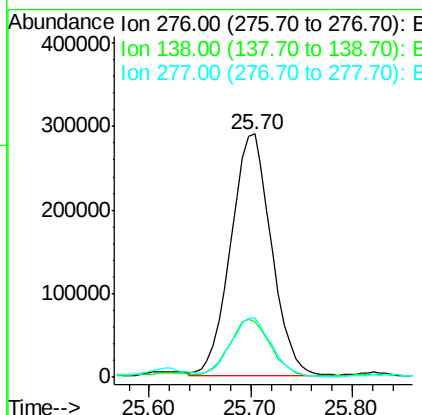
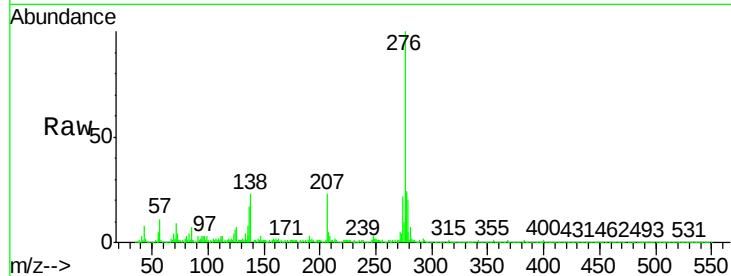




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.226 ng  
 RT: 25.70 min Scan# 3879  
 Delta R.T. -0.02 min  
 Lab File: BP003007.D  
 Acq: 17 Aug 2020 17:44

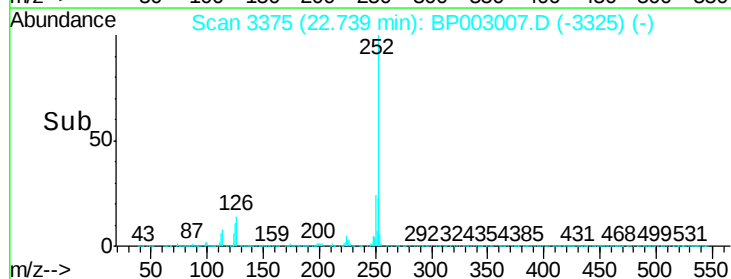
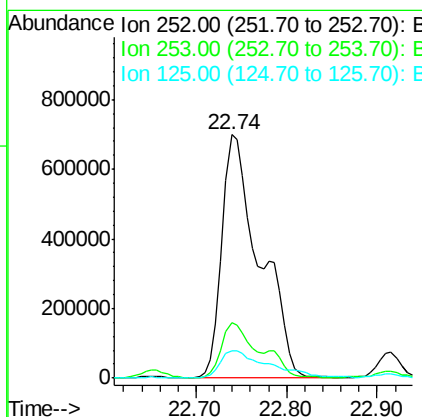
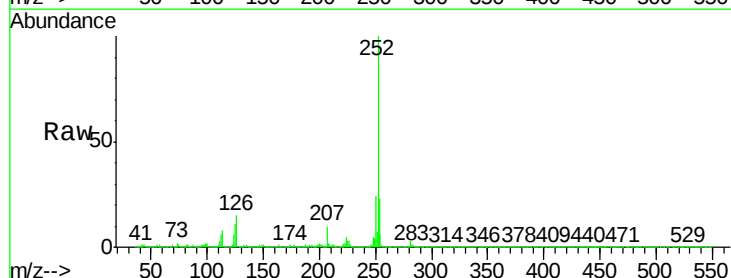
Instrument :  
 BNA\_P  
 ClientSampleId :  
 S711-N-SO-0-0.5-081320

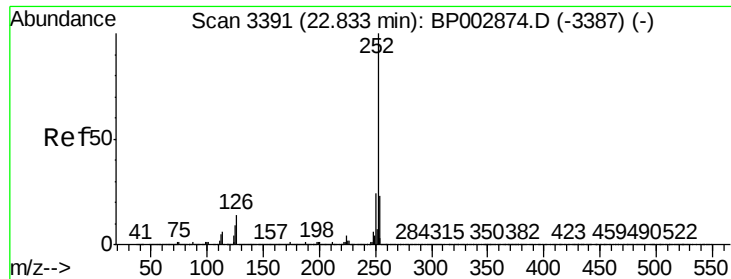
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.0  | 22.2  | 33.2  |
| 277     | 24.5  | 20.4  | 30.6  |



#88  
 Benzo(b)fluoranthene  
 Concen: 15.069 ng  
 RT: 22.74 min Scan# 3375  
 Delta R.T. -0.01 min  
 Lab File: BP003007.D  
 Acq: 17 Aug 2020 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.2  | 27.2  |
| 125     | 11.3  | 9.4   | 14.2  |





#89

Benzo(k)fluoranthene

Concen: 15.943 ng

RT: 22.74 min Scan# 3375

Delta R.T. -0.05 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

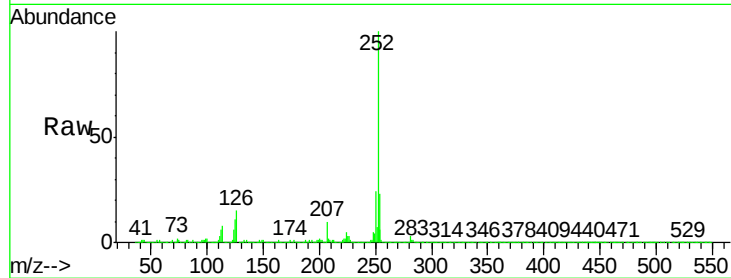
Tot Ion:252 Resp: 2024203

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

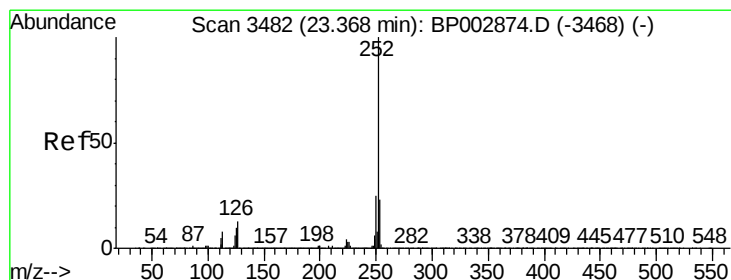
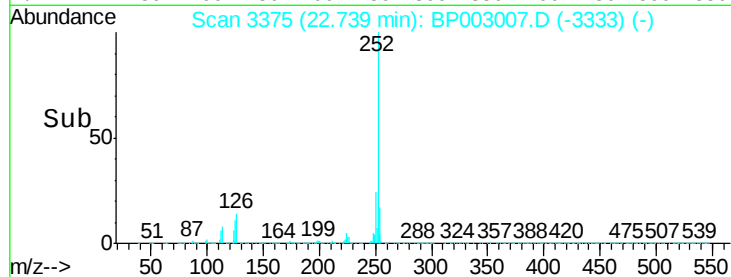
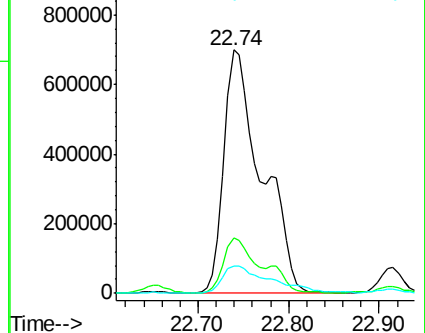
125 11.3 9.3 13.9



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: 7.154 ng

RT: 23.32 min Scan# 3473

Delta R.T. -0.01 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

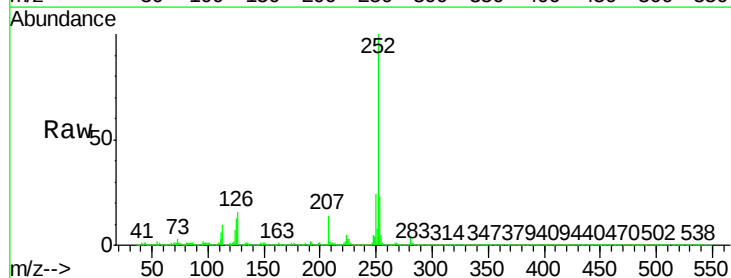
Tgt Ion:252 Resp: 868366

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

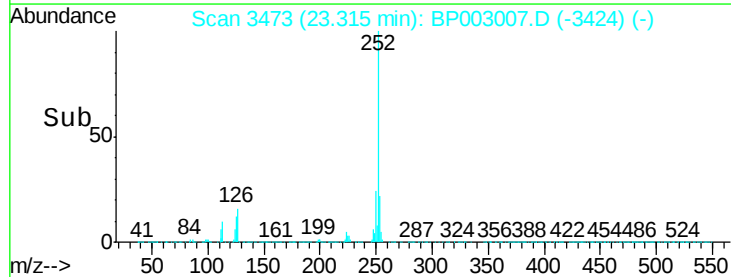
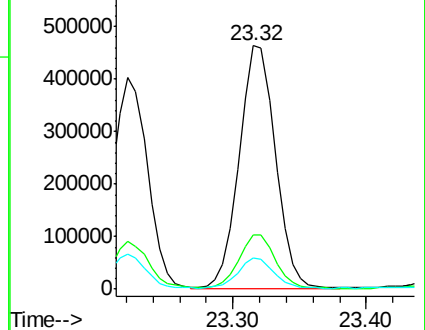
125 12.8 9.9 14.9

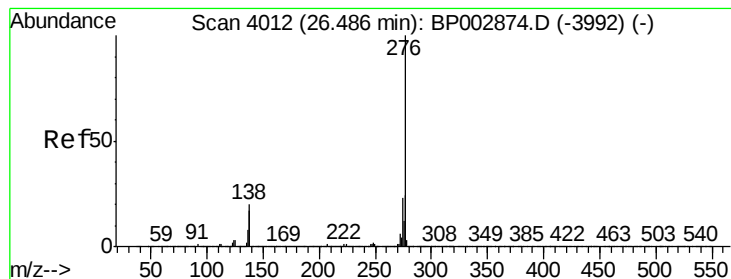


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 6.421 ng

RT: 26.40 min Scan# 3998

Delta R.T. -0.02 min

Lab File: BP003007.D

Acq: 17 Aug 2020 17:44

Instrument :

BNA\_P

ClientSampleId :

S711-N-SO-0-0.5-081320

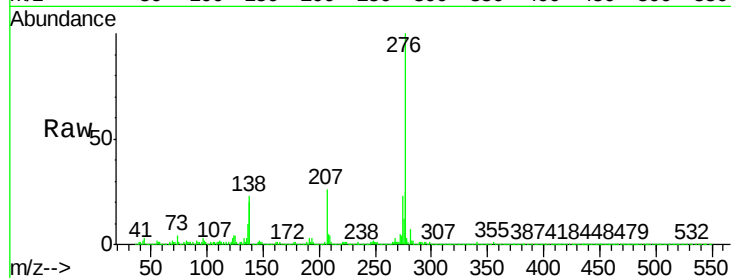
Tot Ion:276 Resp: 805560

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 23.4 19.3 28.9



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

