

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071720\  
 Data File : BP002788.D  
 Acq On : 17 Jul 2020 12:55  
 Operator : CG/JU  
 Sample : L3308-23  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Jul 17 13:48:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 13 10:54:03 2020  
 Response via : Initial Calibration

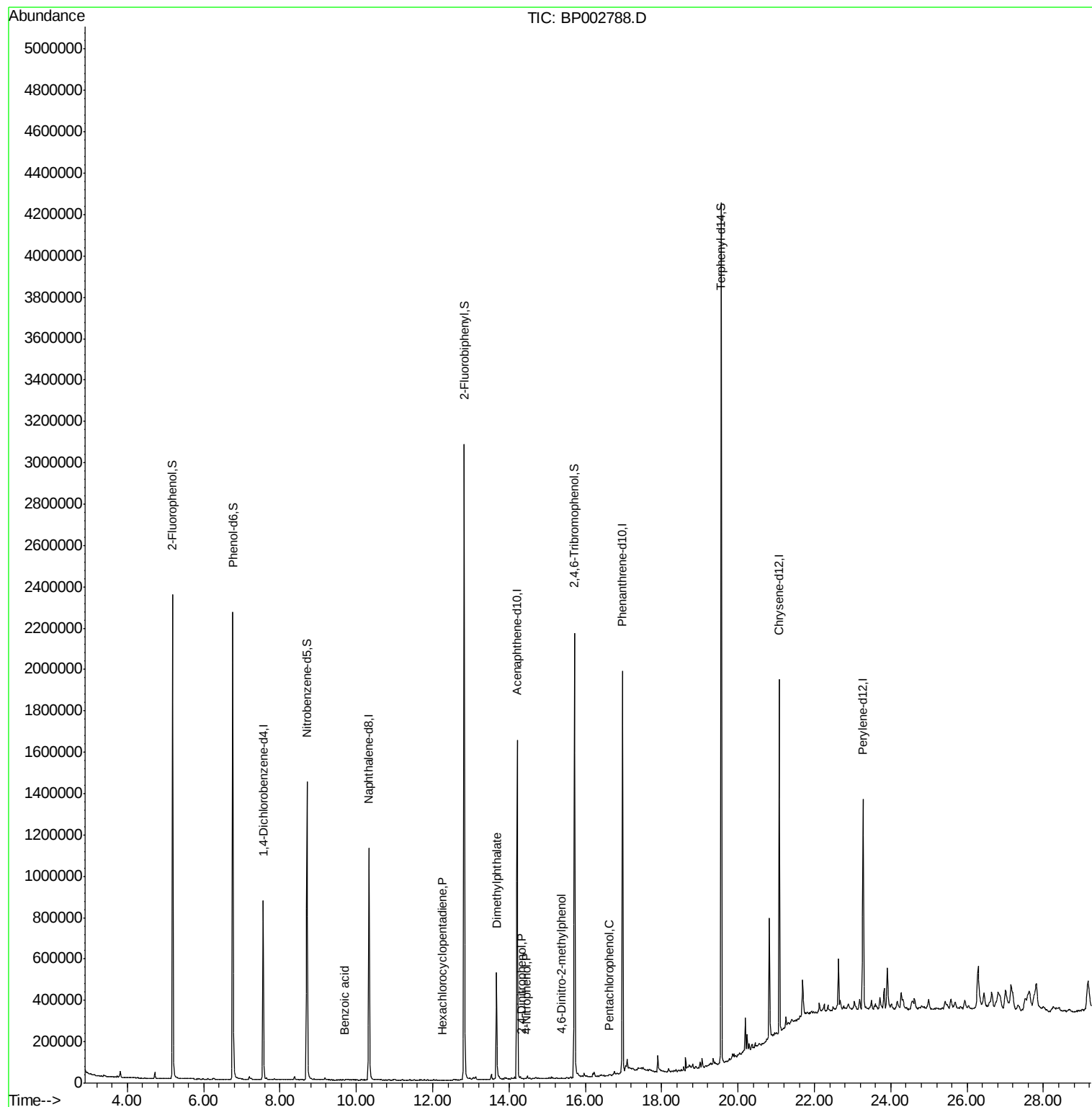
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.56  | 152  | 224703   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 10.33 | 136  | 940828   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 14.21 | 164  | 560612   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10           | 16.97 | 188  | 1136845  | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12               | 21.08 | 240  | 769276   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12               | 23.27 | 264  | 684214   | 20.00  | ng    | 0.01        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.19  | 112  | 1019067  | 76.52  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.76  | 99   | 1374937  | 72.34  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 8.70  | 82   | 863370   | 49.08  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol       | 15.72 | 330  | 423264   | 72.33  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl           | 12.82 | 172  | 1678272  | 46.31  | ng    | 0.00        |
| 79) Terphenyl-d14              | 19.56 | 244  | 1838256  | 54.79  | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 32) Benzoic acid               | 9.70  | 122  | 39       | 7.065  | ng    | Qvalue # 18 |
| 41) Hexachlorocyclopentadiene  | 12.25 | 237  | 33       | 7.438  | ng    | 92          |
| 50) Dimethylphthalate          | 13.67 | 163  | 356632   | 8.341  | ng    | 99          |
| 54) 2,4-Dinitrophenol          | 14.33 | 184  | 28       | 11.379 | ng    | # 1         |
| 56) 4-Nitrophenol              | 14.45 | 139  | 49       | 4.977  | ng    | # 1         |
| 65) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 16       | 5.269  | ng    | # 1         |
| 70) Pentachlorophenol          | 16.63 | 266  | 40       | 7.447  | ng    | # 62        |

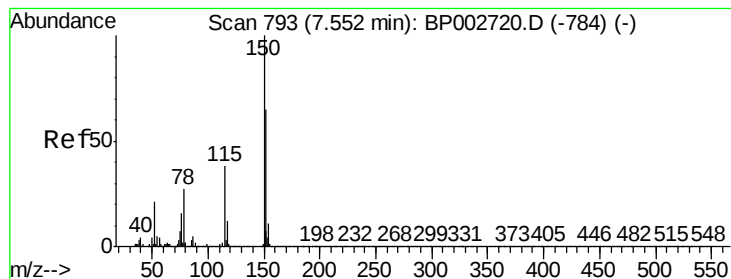
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071720\  
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BNA\_P  
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Quant Time: Jul 17 13:48:11 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 13 10:54:03 2020  
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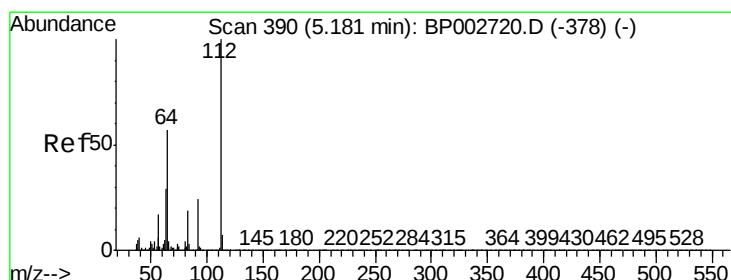
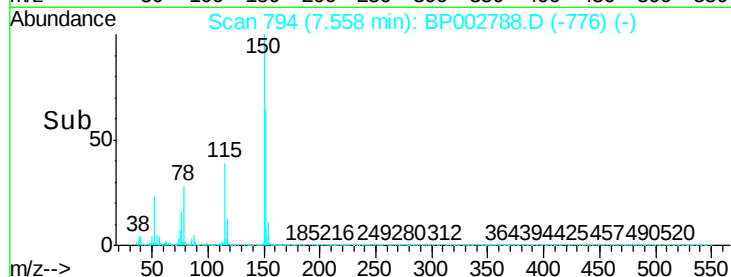
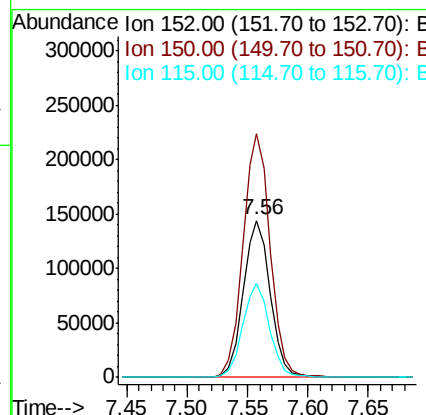
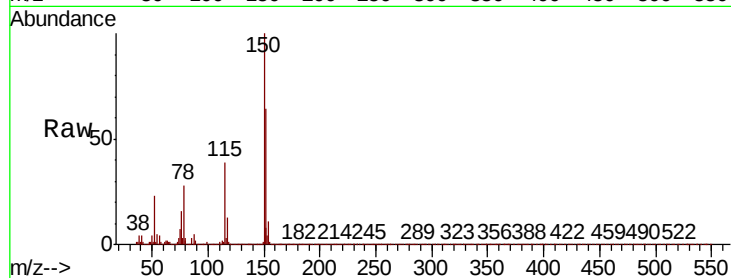


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.56 min Scan# 794  
Delta R.T. 0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

Instrument :  
BNA\_P  
ClientSampleId :

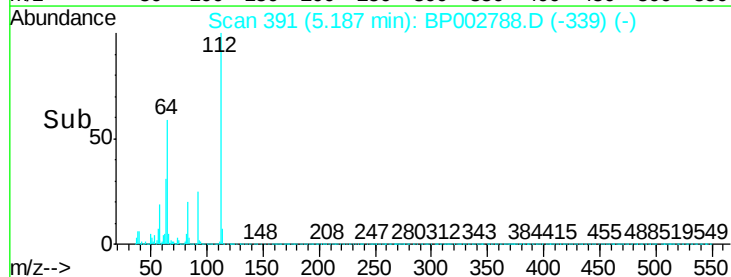
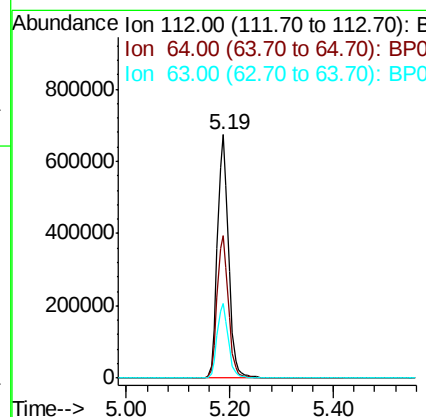
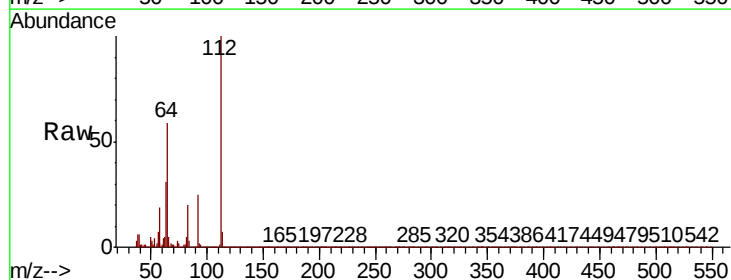
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.3 | 123.7 | 185.5 |
| 115     | 60.1  | 47.2  | 70.8  |

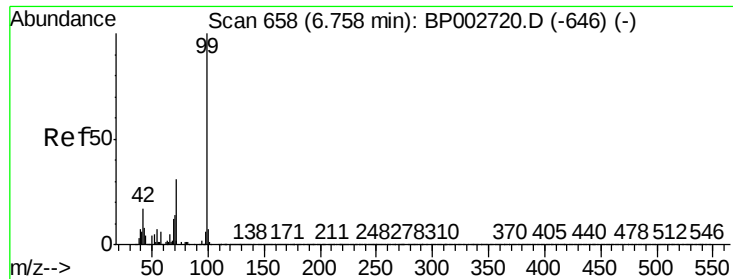


#5

2-Fluorophenol  
Concen: 76.517 ng  
RT: 5.19 min Scan# 391  
Delta R.T. 0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.7  | 45.6  | 68.4  |
| 63      | 30.9  | 23.5  | 35.3  |





#7

Phenol-d6

Concen: 72.337 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

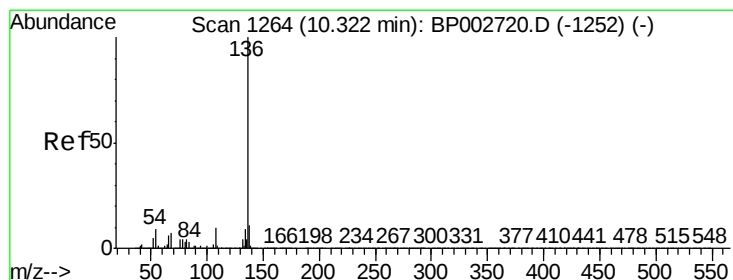
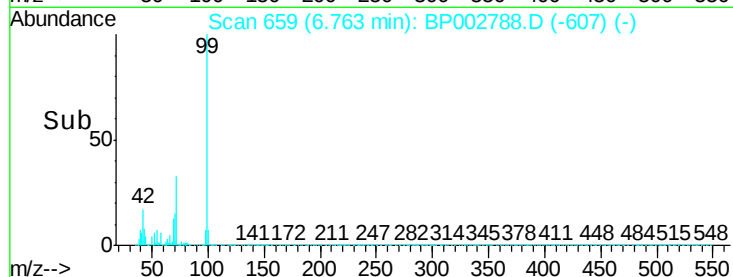
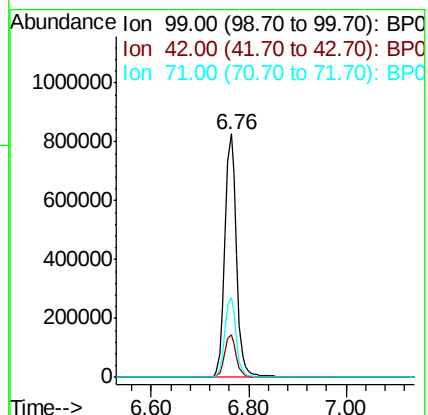
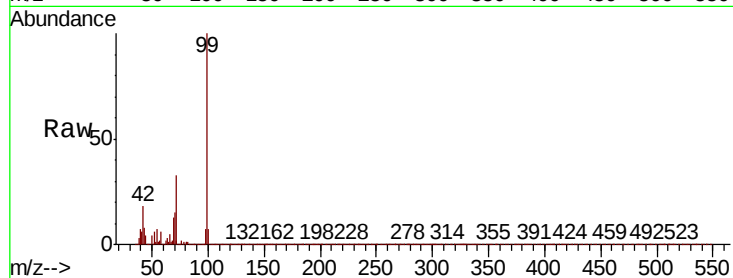
Instrument :

BNA\_P

ClientSampled :

Tot Ion: 99 Resp: 1374937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.5  | 13.4  | 20.2  |
| 71  | 32.7  | 24.6  | 36.8  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1265

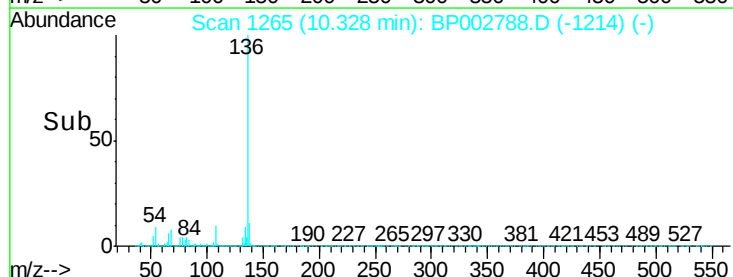
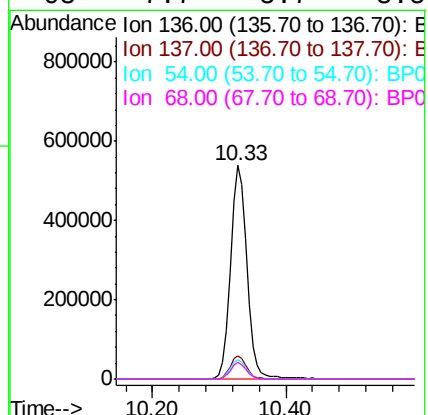
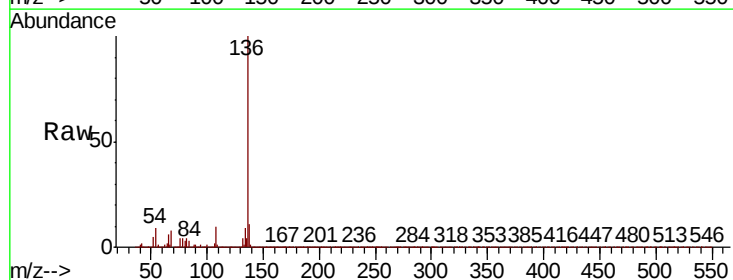
Delta R.T. 0.00 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

Tgt Ion: 136 Resp: 940828

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 8.8   | 6.9   | 10.3  |
| 68  | 7.7   | 5.7   | 8.5   |

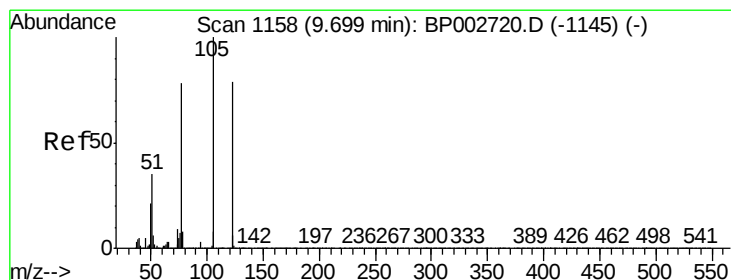
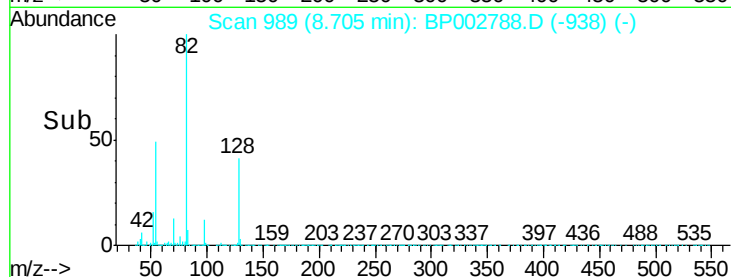
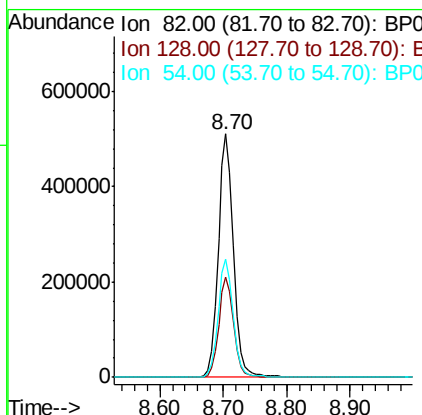
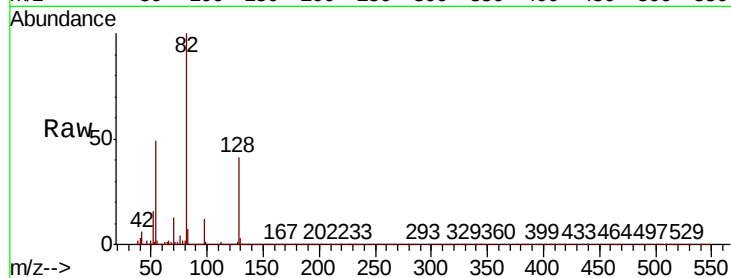




#23  
Nitrobenzene-d5  
Concen: 49.080 ng  
RT: 8.70 min Scan# 989  
Delta R.T. 0.00 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

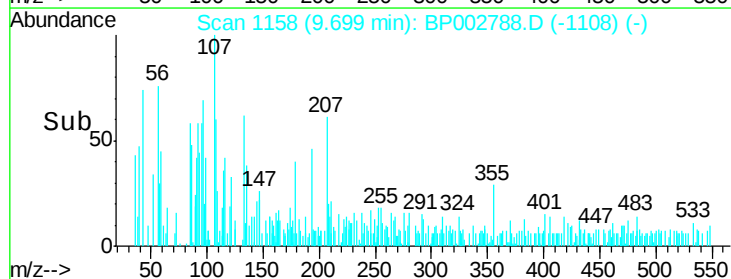
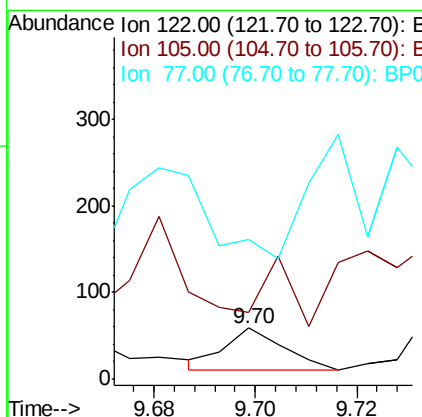
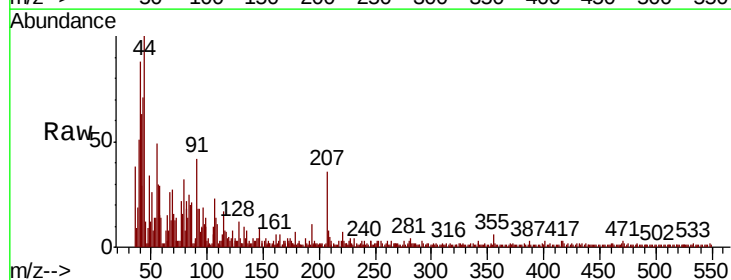
Instrument :  
BNA\_P  
ClientSampleId :

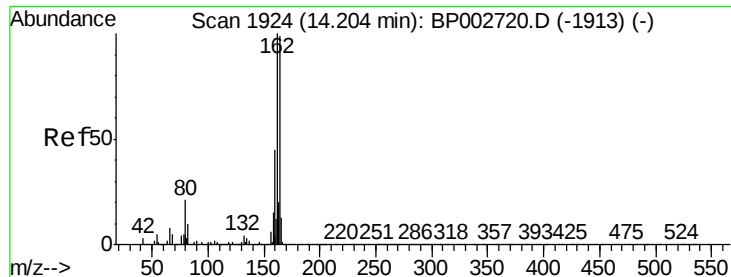
| Tot Ion   | 82    | Resp  | 863370 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.3  | 33.8  | 50.8   |
| 54        | 48.5  | 38.8  | 58.2   |



#32  
Benzoic acid  
Concen: 7.065 ng  
RT: 9.70 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

| Tgt Ion   | 122   | Resp  | 39    |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 131.0 | 105.4 | 145.4 |
| 77        | 277.6 | 78.5  | 118.5 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.21 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

Instrument :

BNA\_P

ClientSampleId :

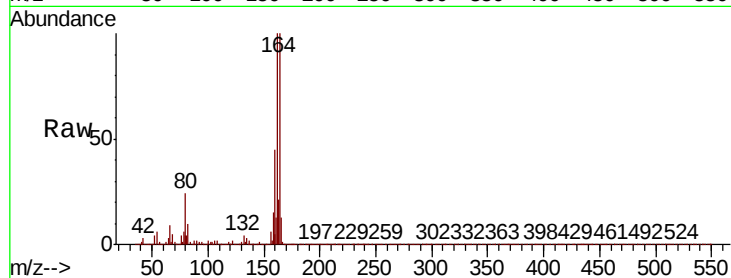
Tot Ion:164 Resp: 560612

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

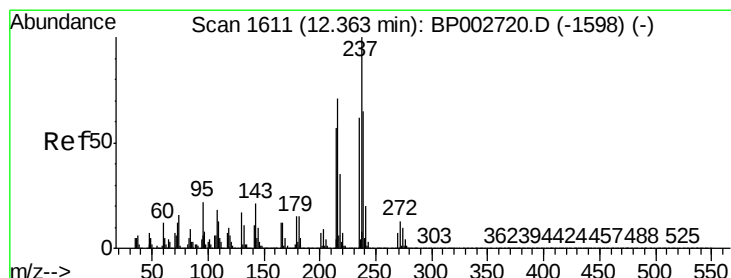
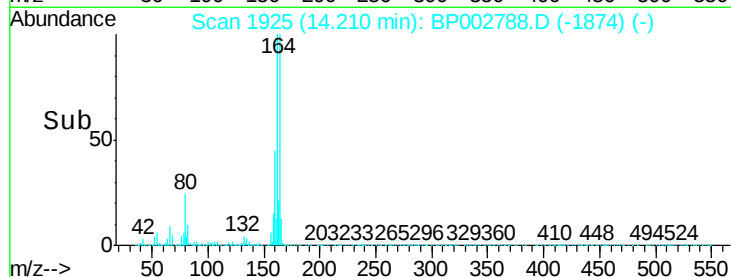
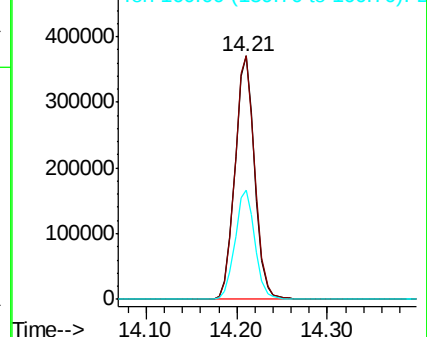
160 44.7 36.4 54.6



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: 7.438 ng

RT: 12.25 min Scan# 1592

Delta R.T. -0.11 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

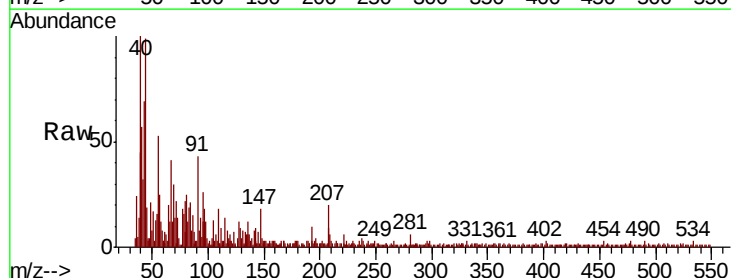
Tgt Ion:237 Resp: 33

Ion Ratio Lower Upper

237 100

235 67.7 42.3 82.3

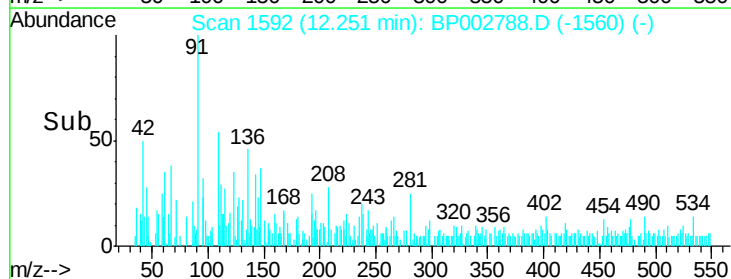
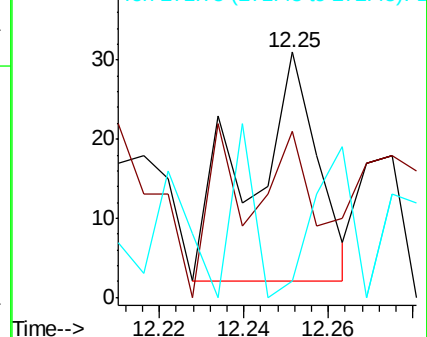
272 6.5 0.0 32.5

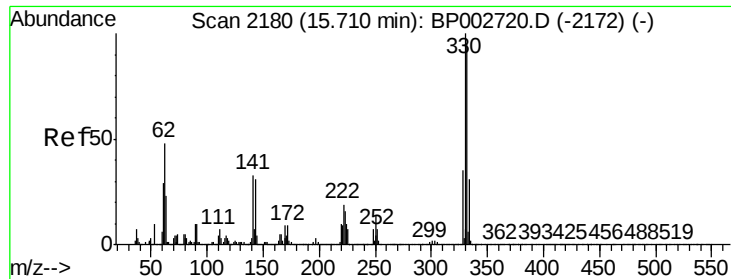


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

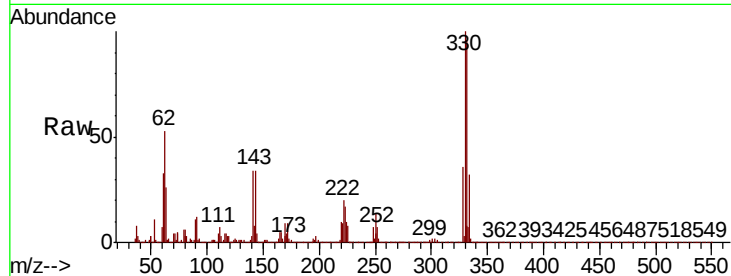




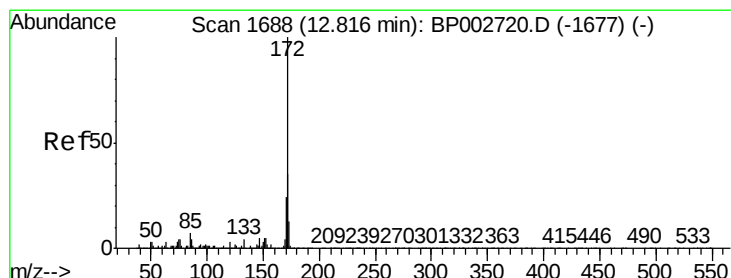
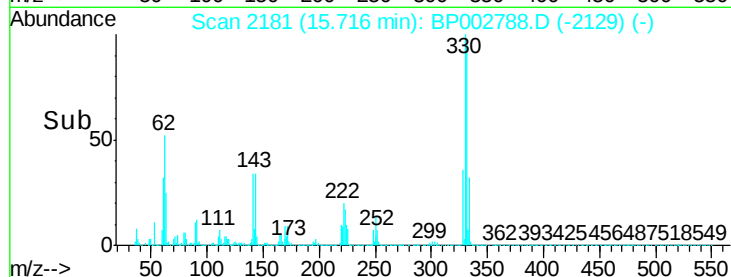
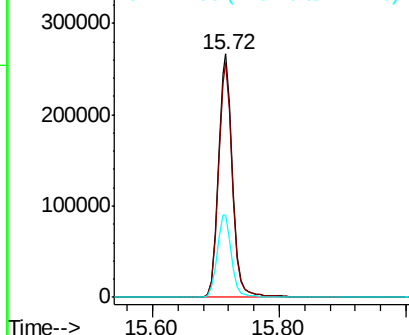
#42  
2,4,6-Tribromophenol  
Concen: 72.329 ng  
RT: 15.72 min Scan# 2181  
Delta R.T. 0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:330 Resp: 423264  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.5 114.7  
141 34.6 28.8 43.2

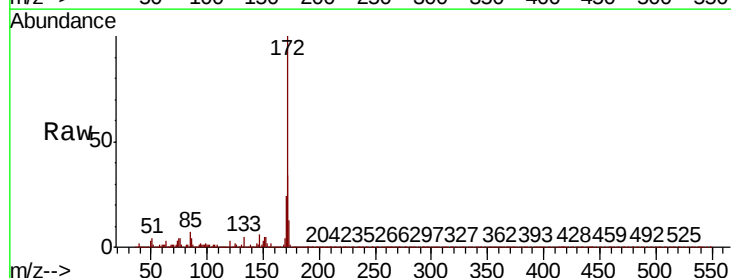


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

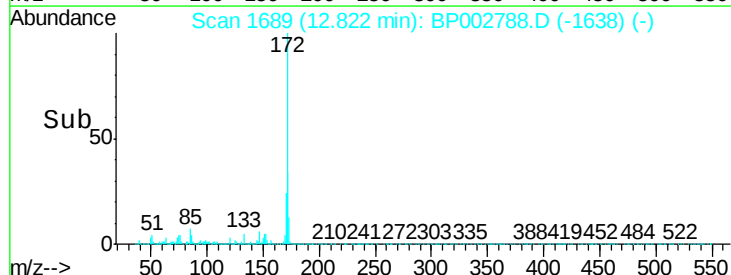
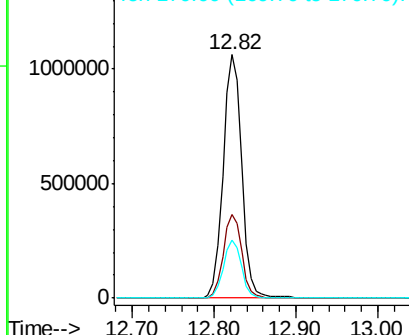


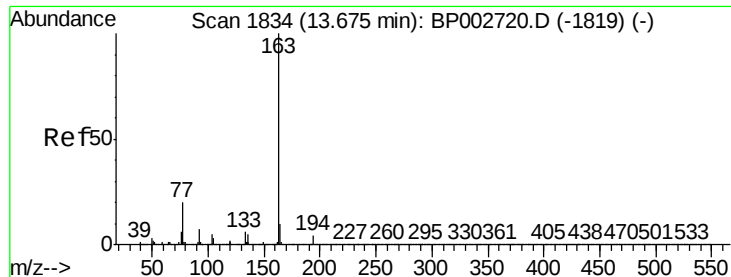
#45  
2-Fluorobiphenyl  
Concen: 46.311 ng  
RT: 12.82 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

Tgt Ion:172 Resp: 1678272  
Ion Ratio Lower Upper  
172 100  
171 34.3 28.1 42.1  
170 23.8 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





#50

Dimethylphthalate

Concen: 8.341 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

Instrument :

BNA\_P

ClientSampleId :

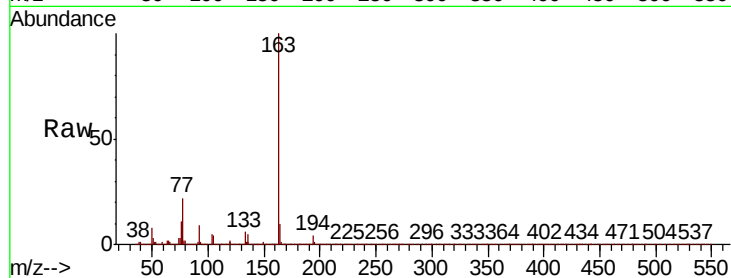
Tot Ion:163 Resp: 356632

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

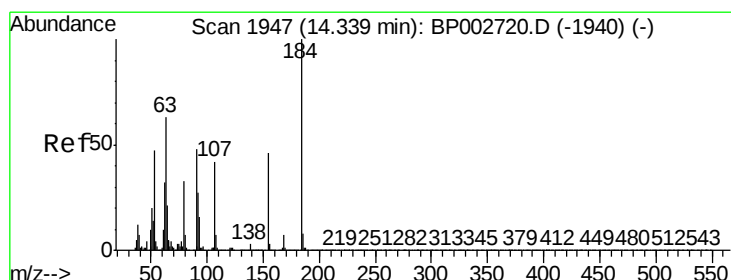
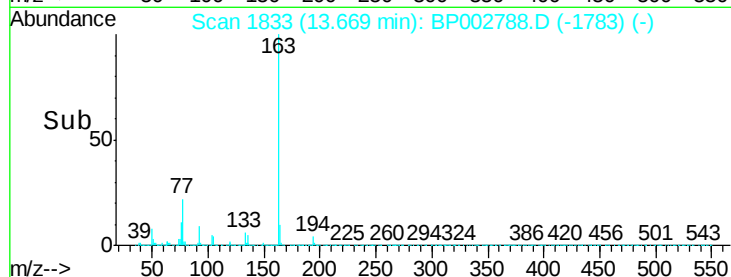
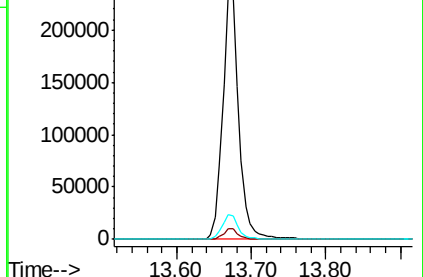
164 10.0 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 11.379 ng

RT: 14.33 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

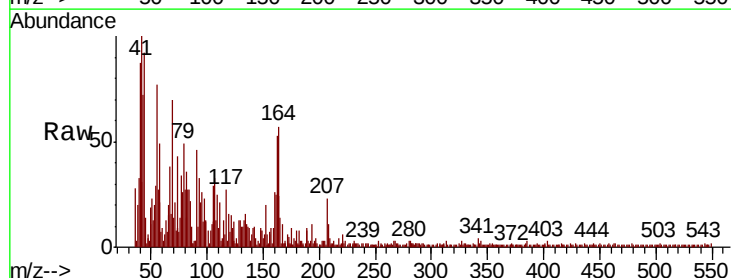
Tgt Ion:184 Resp: 28

Ion Ratio Lower Upper

184 100

63 396.2 51.6 77.4#

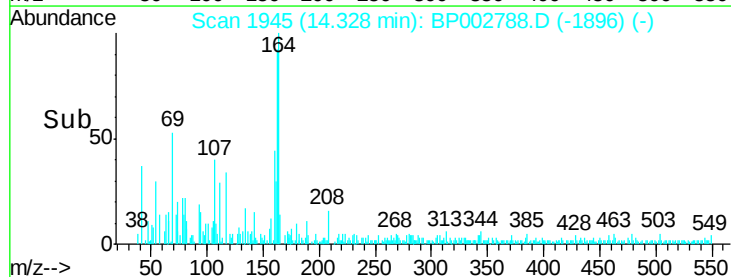
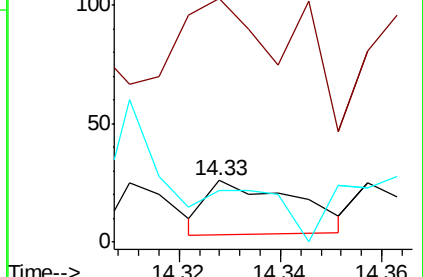
154 84.6 45.0 67.6#

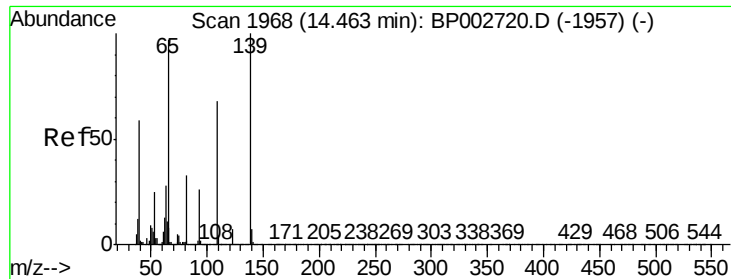


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 4.977 ng

RT: 14.45 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

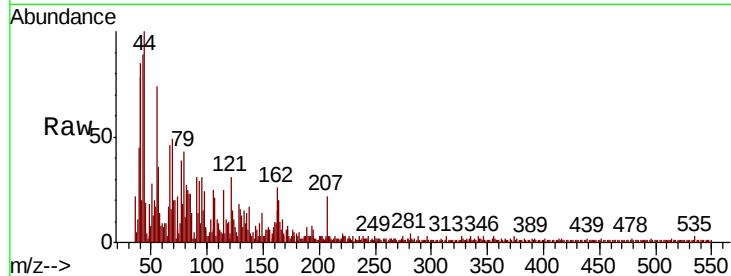
Instrument :

BNA\_P

ClientSampled :

Tot Ion:139 Resp: 49

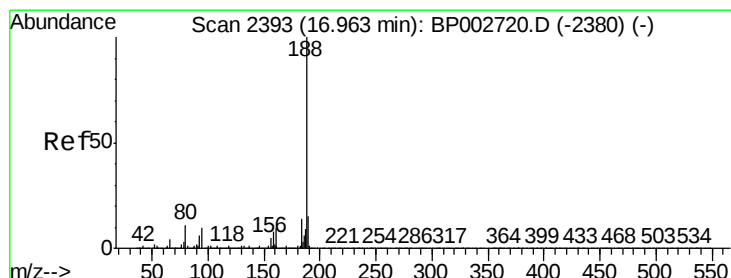
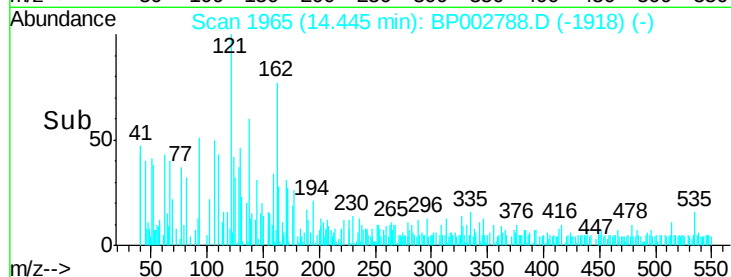
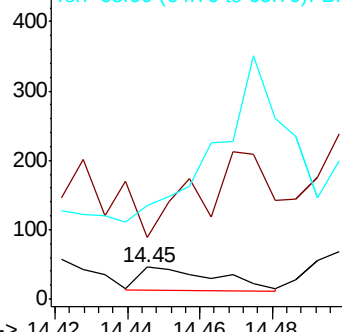
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 139 | 100   |       |        |
| 109 | 193.5 | 48.1  | 88.1#  |
| 65  | 293.5 | 77.9  | 117.9# |



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): BP0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2394

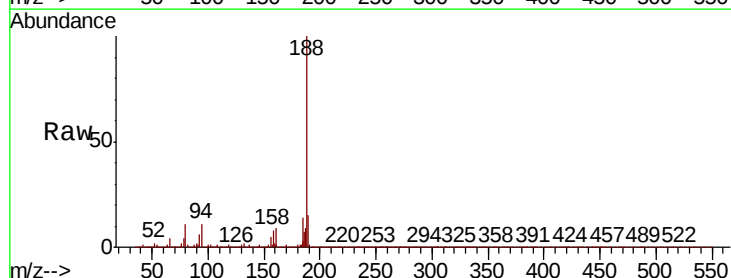
Delta R.T. 0.00 min

Lab File: BP002788.D

Acq: 17 Jul 2020 12:55

Tgt Ion:188 Resp: 1136845

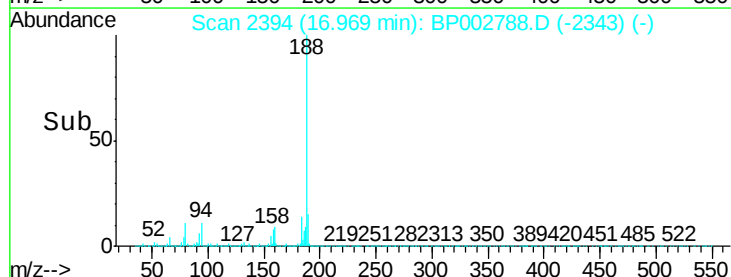
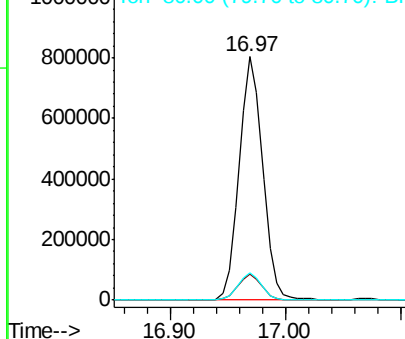
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.6  | 8.1   | 12.1  |
| 80  | 11.4  | 8.9   | 13.3  |

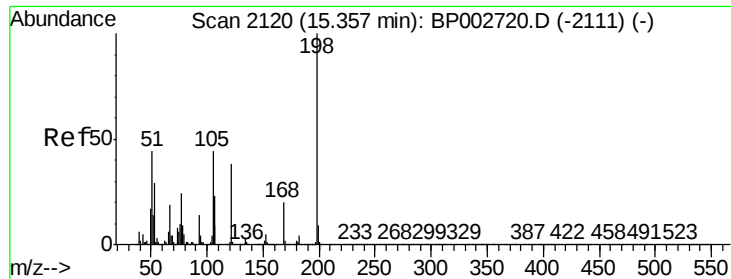


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

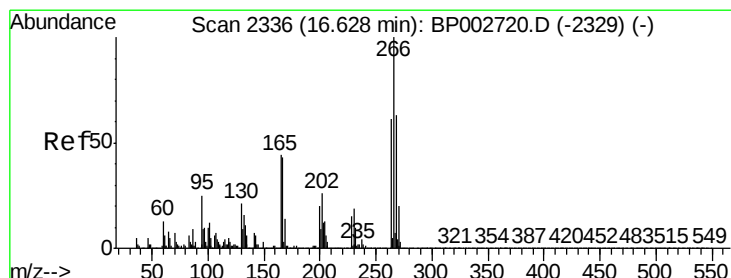
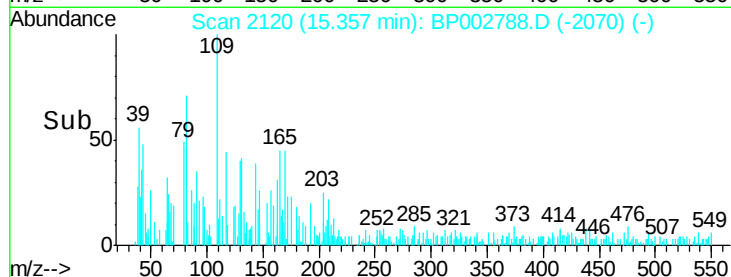
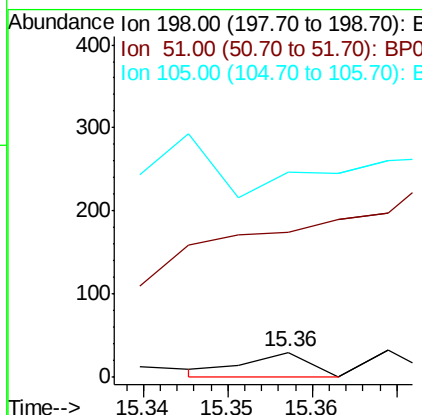
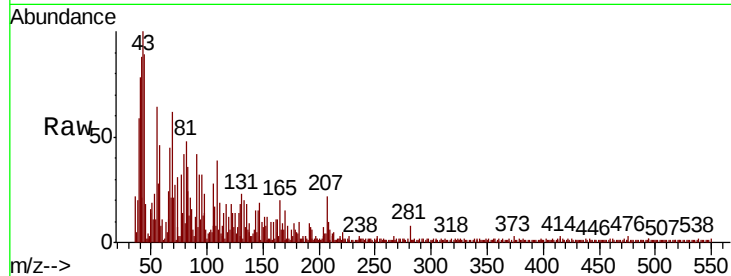




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.269 ng  
RT: 15.36 min Scan# 2120  
Delta R.T. -0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

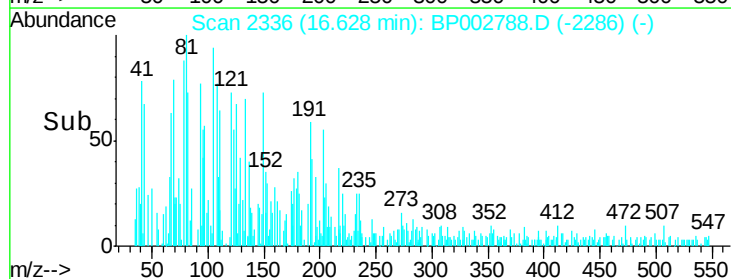
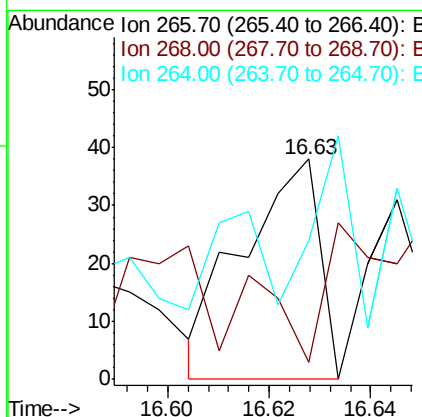
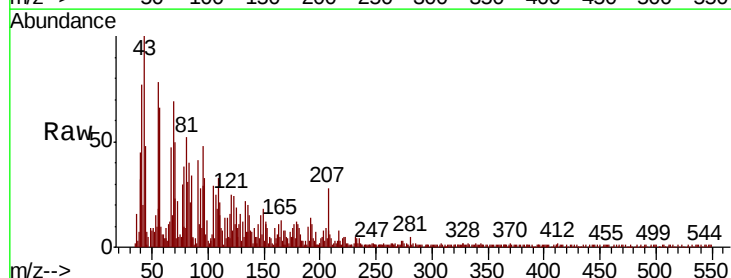
Instrument :  
BNA\_P  
ClientSampleId :

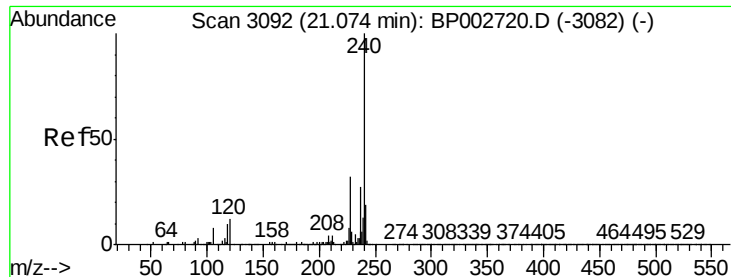
Tot Ion:198 Resp: 16  
Ion Ratio Lower Upper  
198 100  
51 580.0 27.1 67.1#  
105 820.0 24.9 64.9#



#70  
Pentachlorophenol  
Concen: 7.447 ng  
RT: 16.63 min Scan# 2336  
Delta R.T. -0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

Tgt Ion:266 Resp: 40  
Ion Ratio Lower Upper  
266 100  
268 7.9 50.6 75.8#  
264 63.2 48.6 72.8

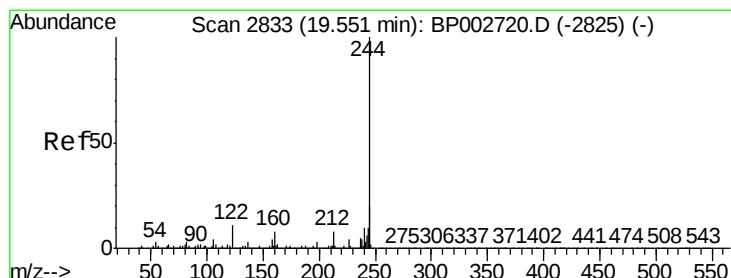
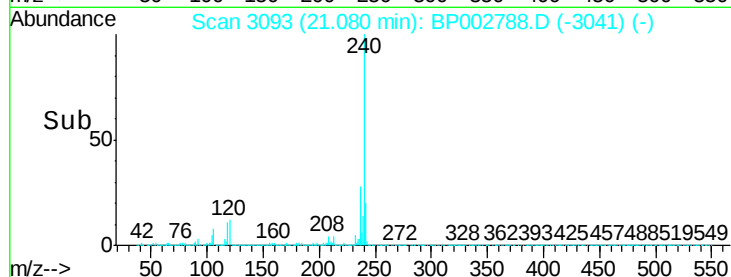
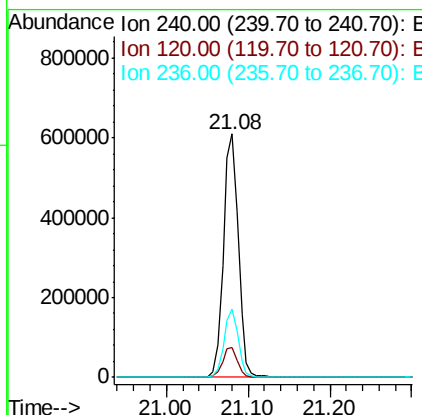
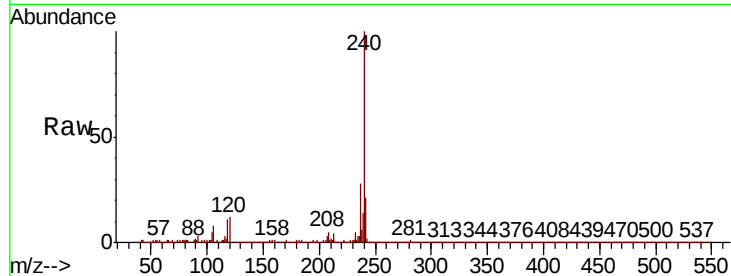




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.08 min Scan# 3093  
Delta R.T. 0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

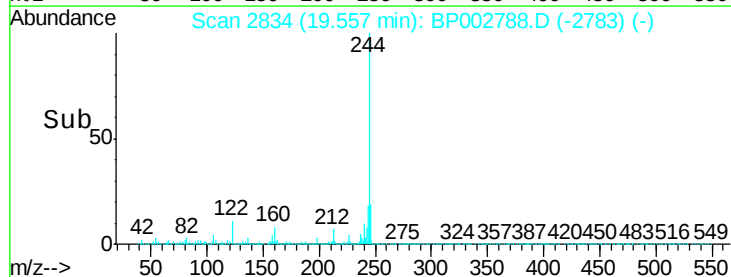
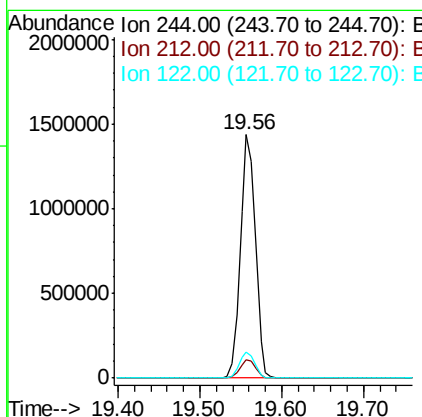
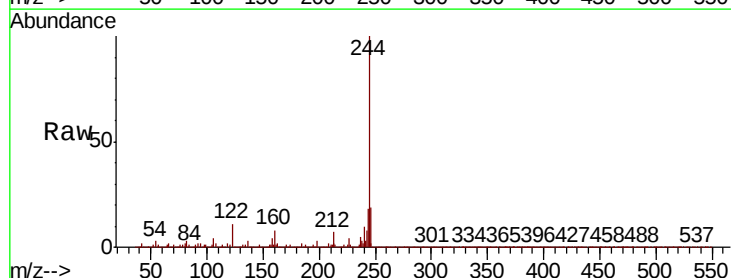
Instrument :  
BNA\_P  
ClientSampleId :

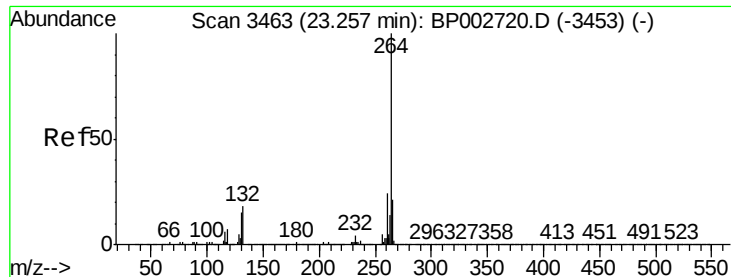
Tot Ion:240 Resp: 769276  
Ion Ratio Lower Upper  
240 100  
120 12.2 9.4 14.2  
236 28.1 21.3 31.9



#79  
Terphenyl-d14  
Concen: 54.787 ng  
RT: 19.56 min Scan# 2834  
Delta R.T. 0.00 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

Tgt Ion:244 Resp: 1838256  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 10.7 8.9 13.3

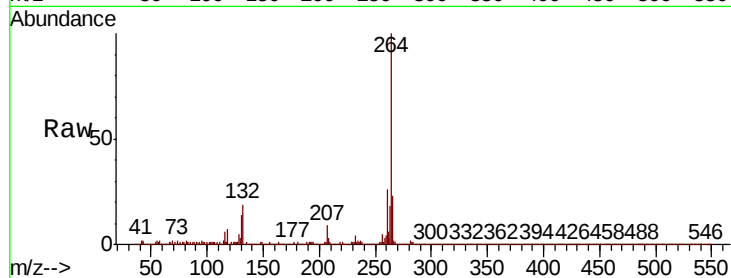




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.27 min Scan# 3466  
Delta R.T. 0.01 min  
Lab File: BP002788.D  
Acq: 17 Jul 2020 12:55

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 19.3  | 28.9  |
| 265     | 23.0  | 16.8  | 25.2  |



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

