

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\  
 Data File : BP003065.D  
 Acq On : 20 Aug 2020 14:50  
 Operator : CG/JU  
 Sample : L3496-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AU-06-081720

Quant Time: Aug 20 15:53:51 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 | 7.68  | 152  | 269532   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.46 | 136  | 1076334  | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.32 | 164  | 668365   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1430020  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.16 | 240  | 1544732  | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 23.41 | 264  | 2066116  | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.29  | 112  | 1579370  | 89.68  | ng    | 0.00     |
| 7) Phenol-d6                | 6.86  | 99   | 1659059  | 67.85  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 1256707  | 63.24  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.81 | 330  | 1026096  | 123.52 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.94 | 172  | 3504116  | 71.63  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.65 | 244  | 5043771  | 65.37  | ng    | -0.01    |

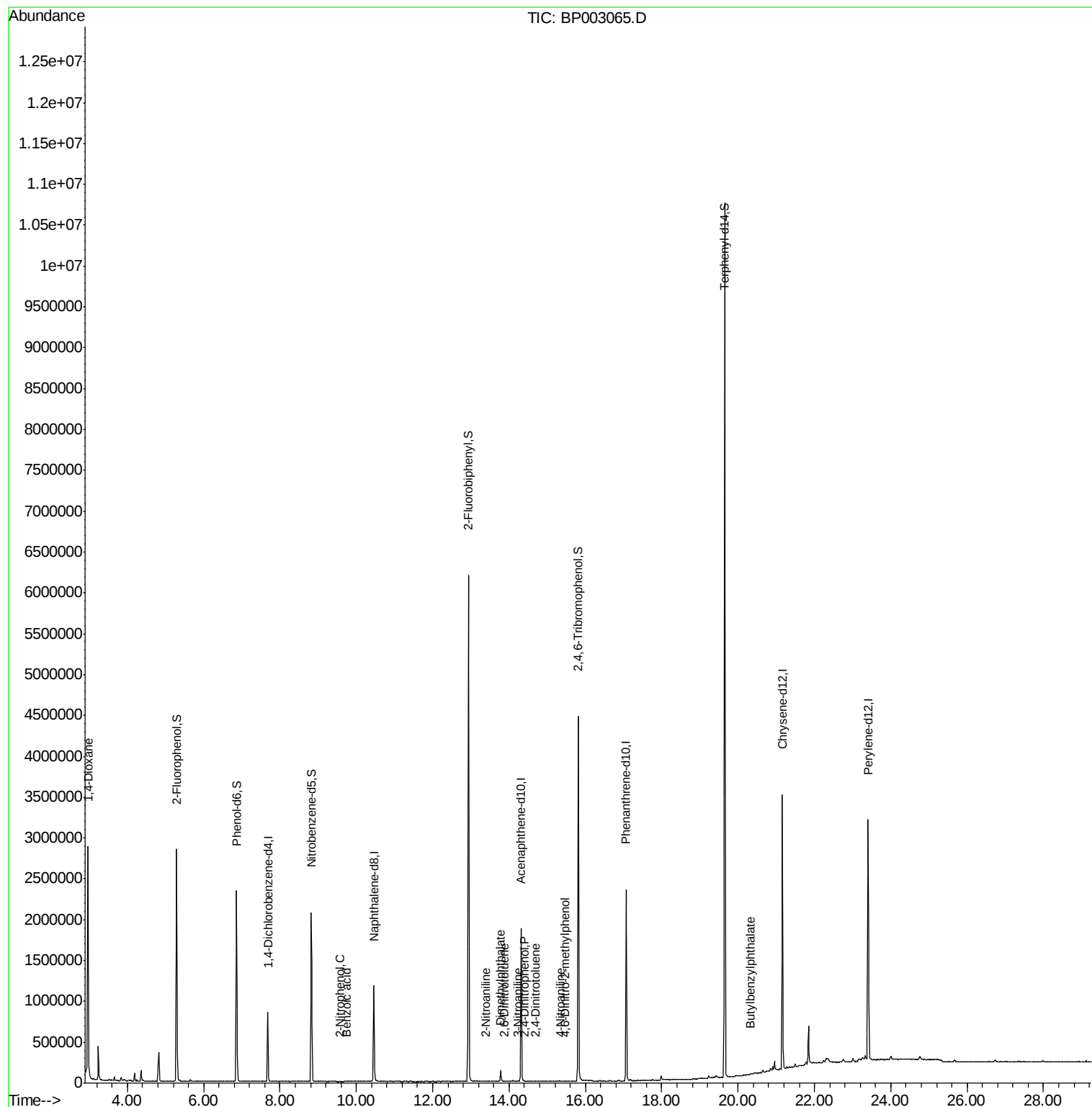
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.96  | 88   | 28498    | 3.770 | ng    | # 1    |
| 26) 2-Nitrophenol              | 9.57  | 139  | 13       | 4.522 | ng    | # 1    |
| 32) Benzoic acid               | 9.75  | 122  | 5546     | 8.152 | ng    | 92     |
| 48) 2-Nitroaniline             | 13.40 | 65   | 253      | 3.993 | ng    | # 11   |
| 50) Dimethylphthalate          | 13.77 | 163  | 104561   | 2.000 | ng    | 100    |
| 51) 2,6-Dinitrotoluene         | 13.88 | 165  | 272      | 2.921 | ng    | # 71   |
| 53) 3-Nitroaniline             | 14.22 | 138  | 166      | 3.286 | ng    | # 56   |
| 54) 2,4-Dinitrophenol          | 14.41 | 184  | 37       | 8.064 | ng    | # 1    |
| 57) 2,4-Dinitrotoluene         | 14.69 | 165  | 83       | 3.811 | ng    | # 51   |
| 62) 4-Nitroaniline             | 15.35 | 138  | 55       | 2.420 | ng    | 82     |
| 65) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 15       | 6.902 | ng    | # 1    |
| 80) Butylbenzylphthalate       | 20.33 | 149  | 2779     | 3.117 | ng    | # 84   |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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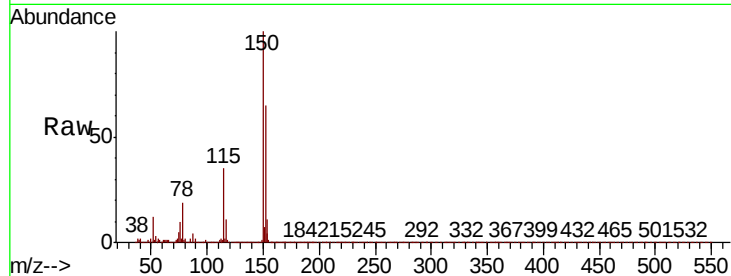


#1

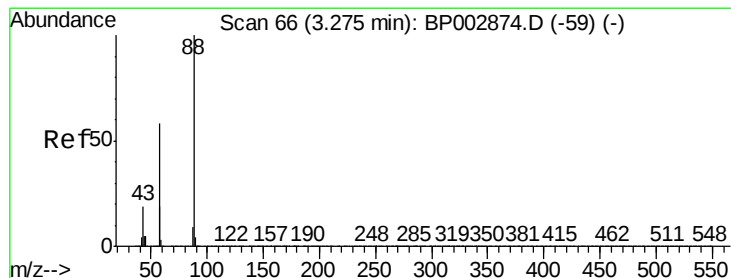
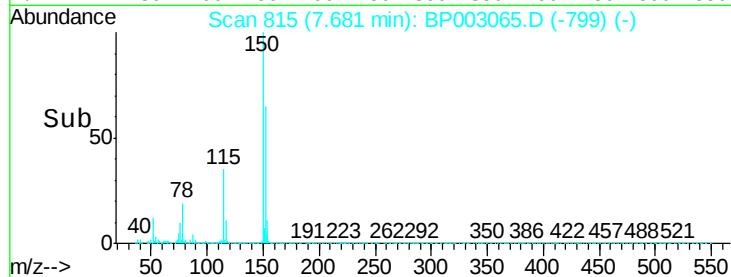
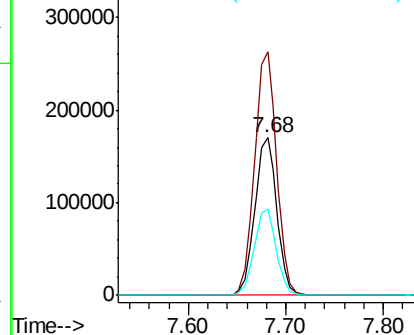
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.68 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

Instrument :  
BNA\_P  
ClientSampleId :  
AU-06-081720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 126.1 | 189.1 |
| 115     | 54.3  | 43.4  | 65.2  |



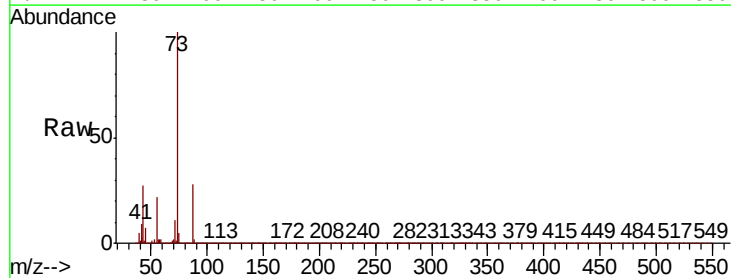
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



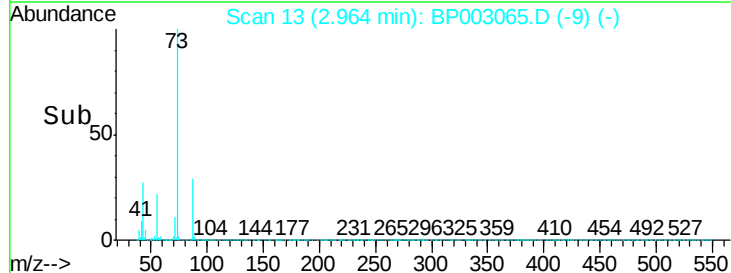
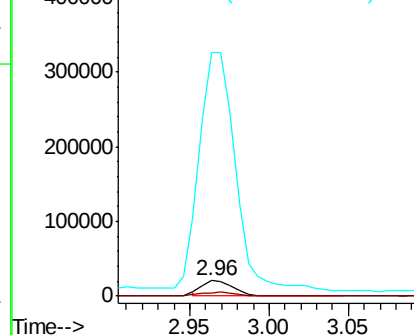
#2

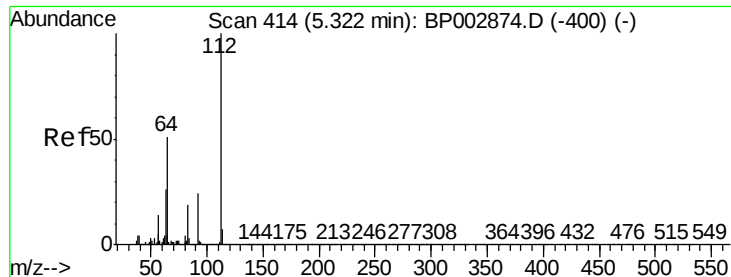
1,4-Dioxane  
Concen: 3.770 ng  
RT: 2.96 min Scan# 13  
Delta R.T. -0.28 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 88      | 100    |       |       |
| 58      | 21.2   | 44.5  | 66.7# |
| 43      | 1665.7 | 14.5  | 21.7# |



Abundance Ion 88.00 (87.70 to 88.70): BP0  
Ion 58.00 (57.70 to 58.70): BP0  
Ion 43.00 (42.70 to 43.70): BP0





#5

2-Fluorophenol

Concen: 89.682 ng

RT: 5.29 min Scan# 409

Delta R.T. -0.00 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

Instrument :

BNA\_P

ClientSampleId :

AU-06-081720

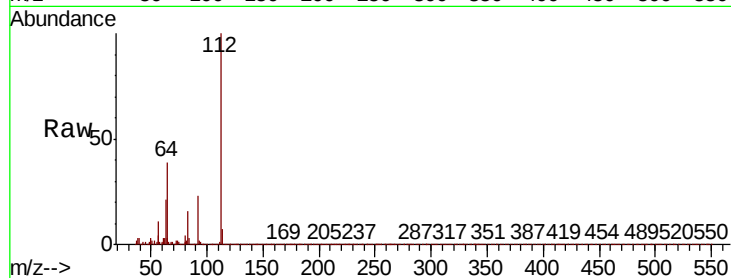
Tot Ion:112 Resp: 1579370

Ion Ratio Lower Upper

112 100

64 39.3 33.4 50.2

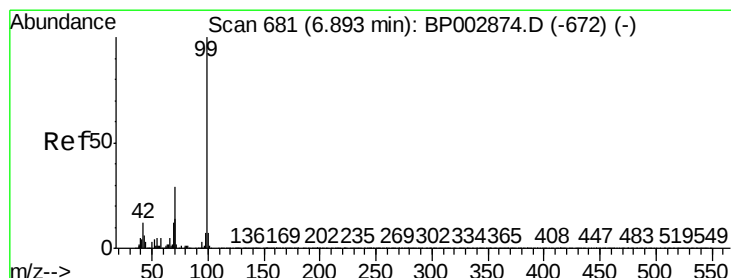
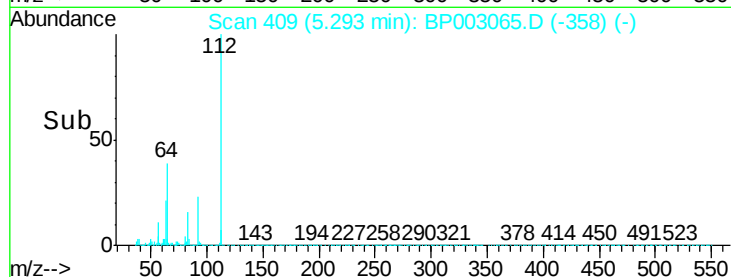
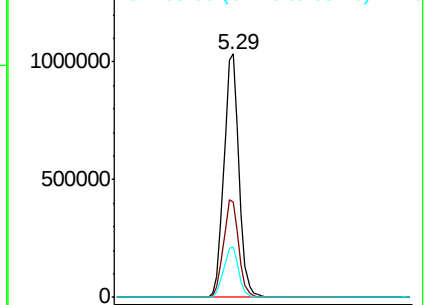
63 20.6 17.4 26.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#7

Phenol-d6

Concen: 67.854 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

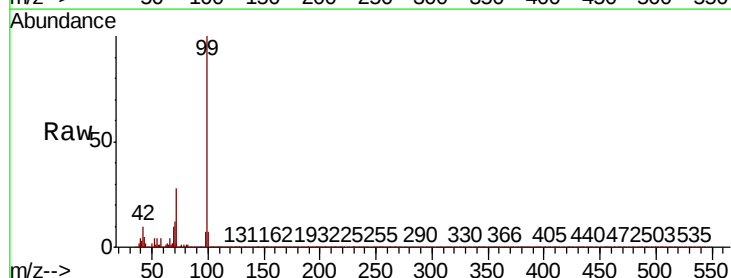
Tgt Ion: 99 Resp: 1659059

Ion Ratio Lower Upper

99 100

42 9.9 8.0 12.0

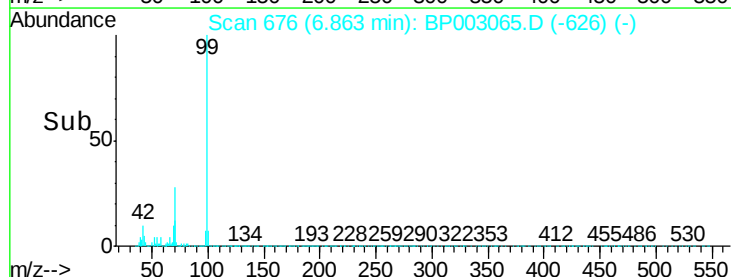
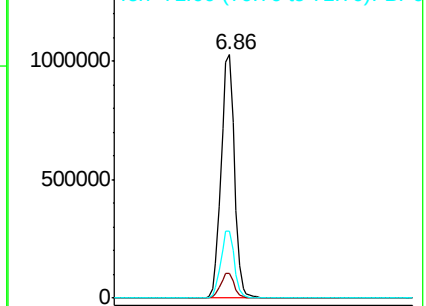
71 27.7 21.3 31.9

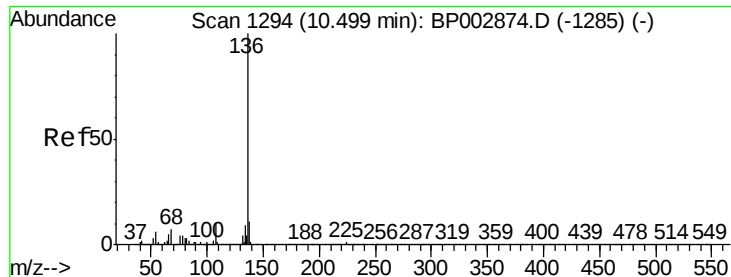


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

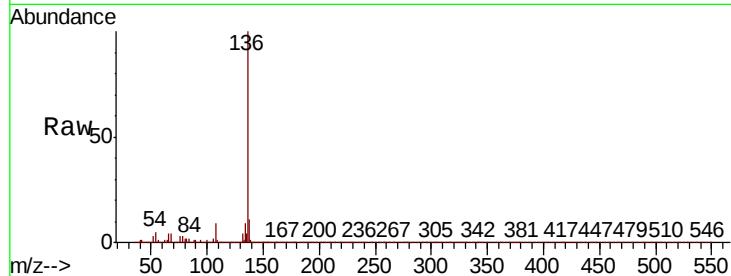




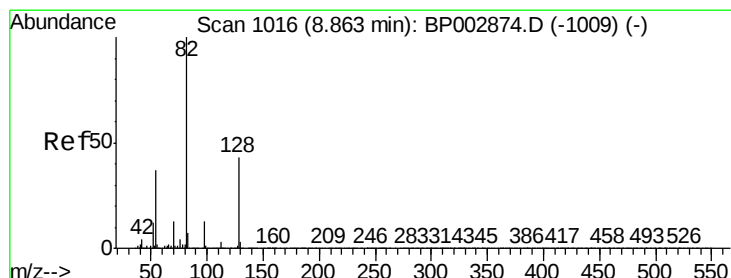
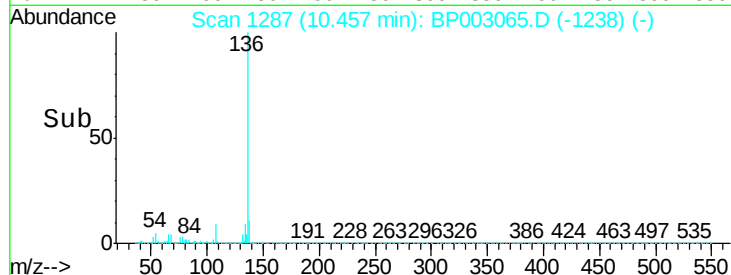
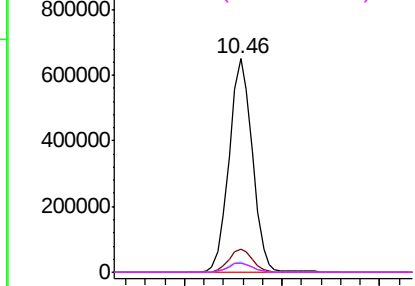
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.46 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

Instrument :  
BNA\_P  
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AU-06-081720

|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1076334 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 10.9    | 8.8 13.2      |
| 54 4.6      | 3.8 5.8       |
| 68 4.2      | 3.8 5.8       |

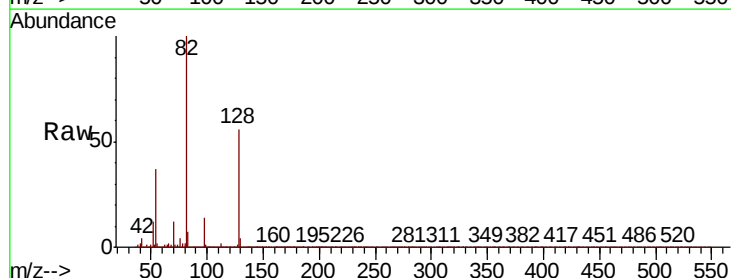


Abundance Ion 136.00 (135.70 to 136.70): E  
1000000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BP0  
Ion 68.00 (67.70 to 68.70): BP0

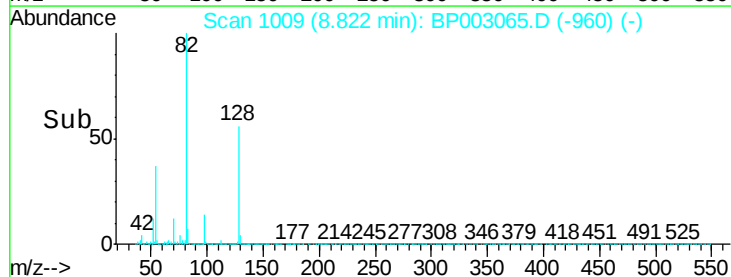
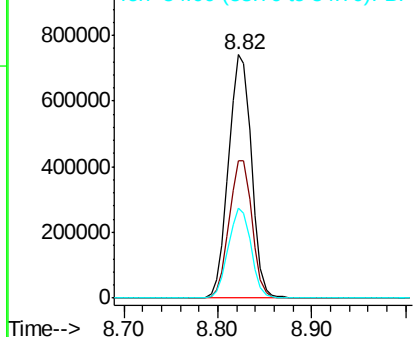


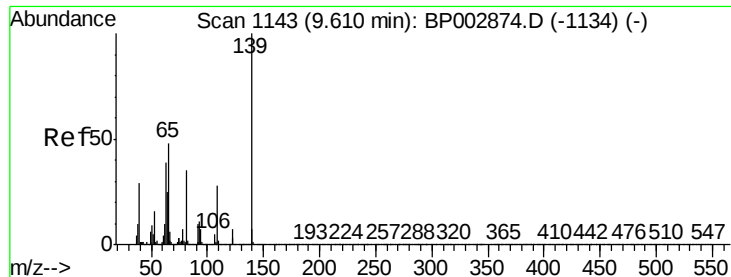
#23  
Nitrobenzene-d5  
Concen: 63.239 ng  
RT: 8.82 min Scan# 1009  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1256707 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 56.2    | 45.1 67.7     |
| 54 37.0     | 28.8 43.2     |



Abundance Ion 82.00 (81.70 to 82.70): BP0  
1000000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BP0

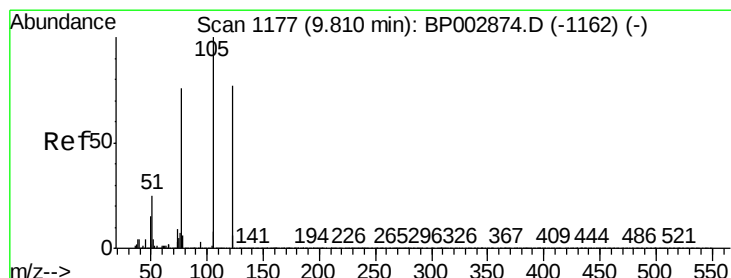
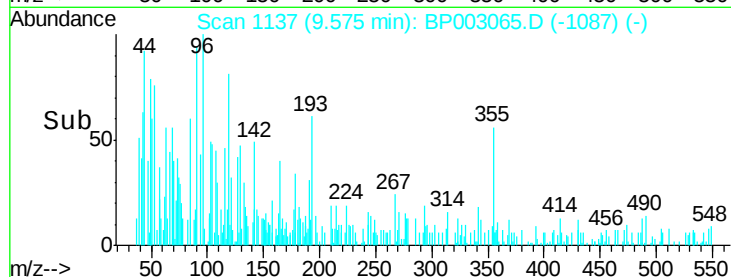
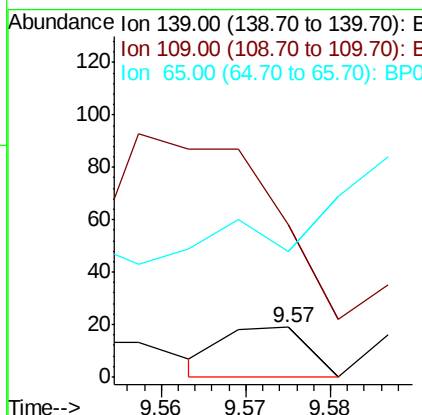
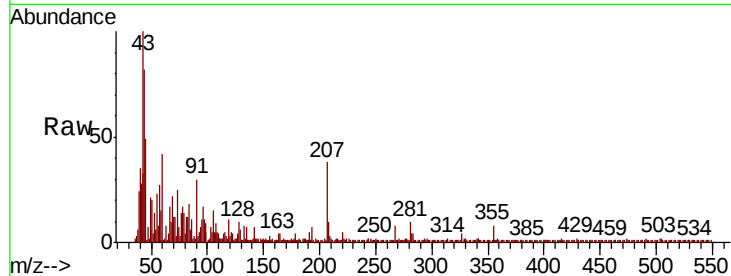




#26  
2-Nitrophenol  
Concen: 4.522 ng  
RT: 9.57 min Scan# 1137  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

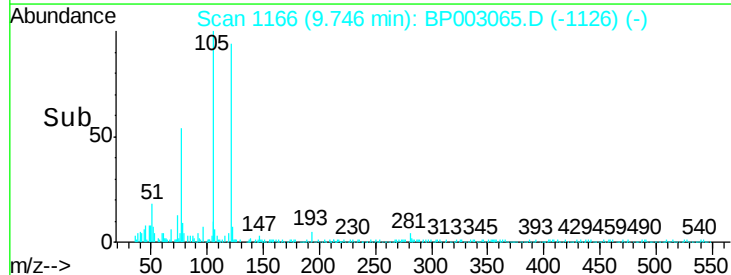
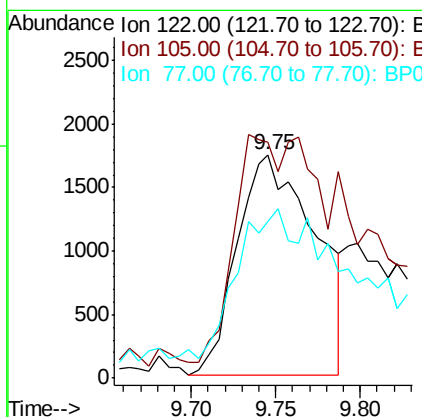
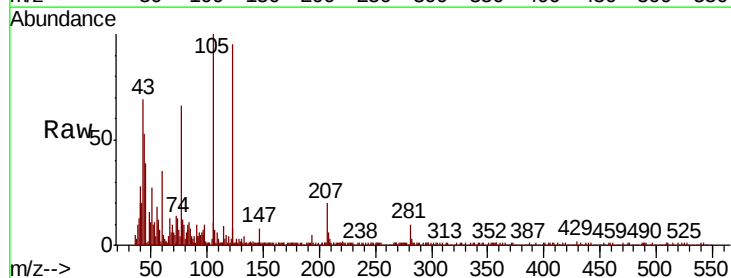
Instrument :  
BNA\_P  
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AU-06-081720

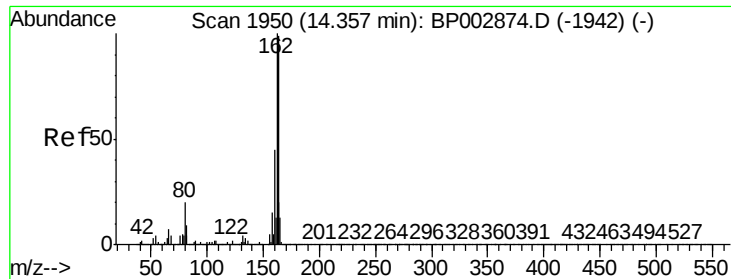
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 305.3 | 21.0  | 31.6# |
| 65      | 252.6 | 27.2  | 40.8# |



#32  
Benzoic acid  
Concen: 8.152 ng  
RT: 9.75 min Scan# 1166  
Delta R.T. -0.06 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 105.5 | 96.2  | 136.2 |
| 77      | 70.0  | 55.6  | 95.6  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

Instrument :

BNA\_P

ClientSampleId :

AU-06-081720

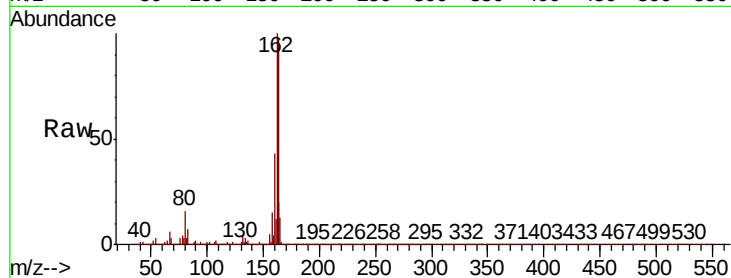
Tot Ion:164 Resp: 668365

Ion Ratio Lower Upper

164 100

162 102.9 81.4 122.0

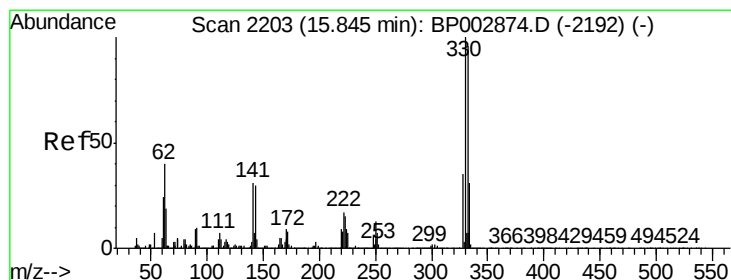
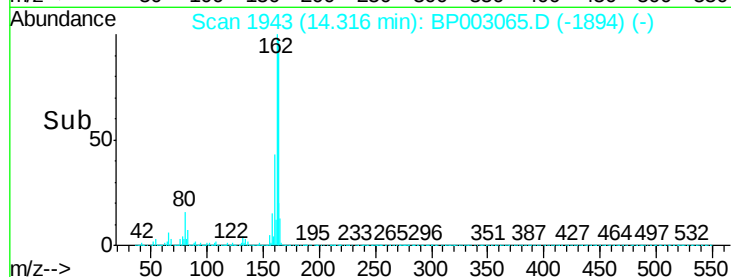
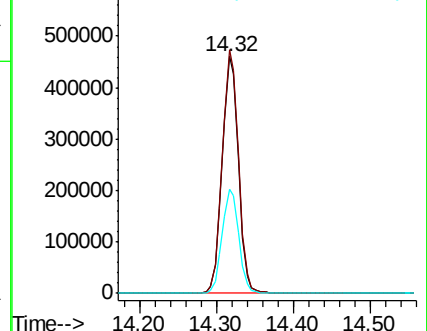
160 44.2 35.5 53.3



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: 123.522 ng

RT: 15.81 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

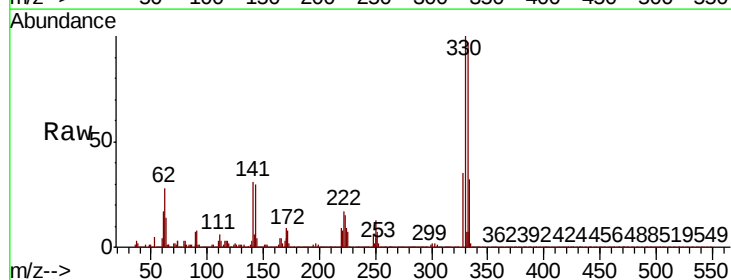
Tgt Ion:330 Resp: 1026096

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

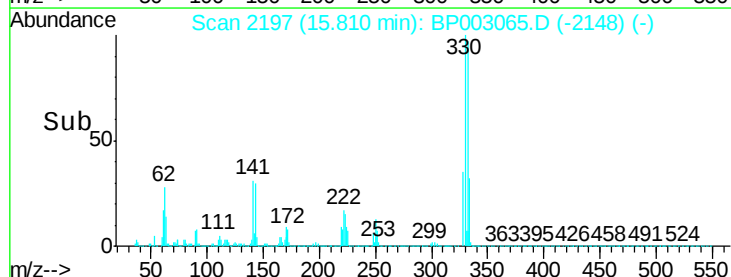
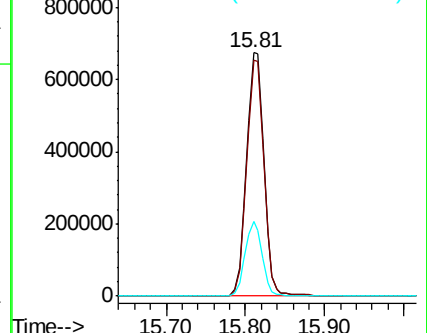
141 30.4 26.7 40.1

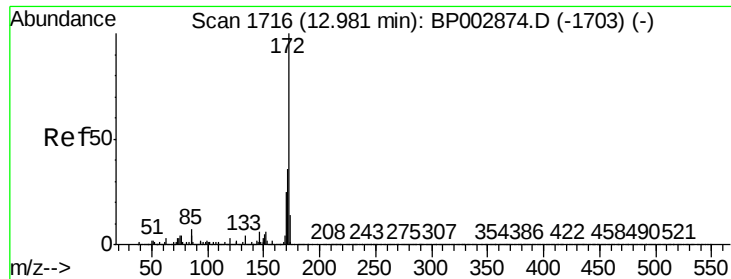


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

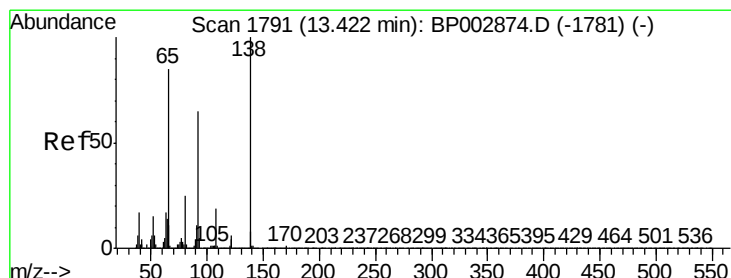
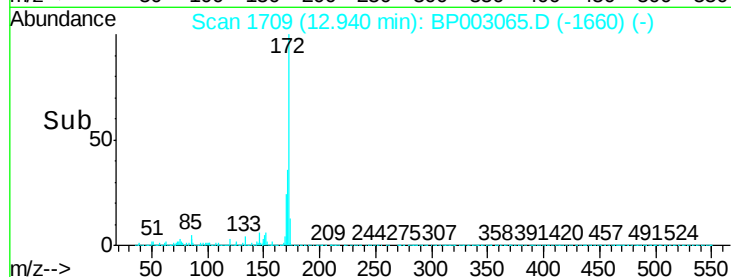
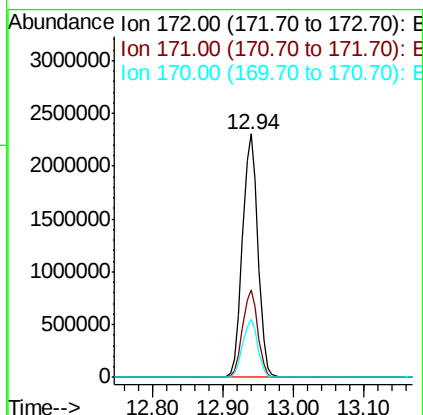
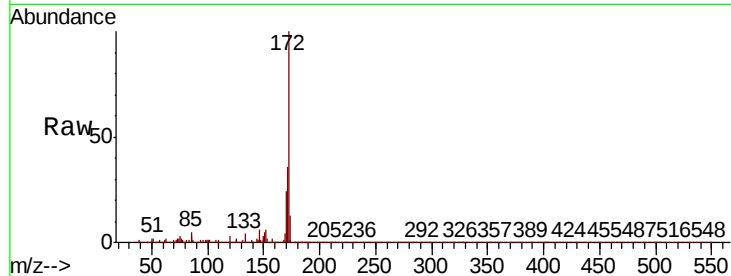




#45  
2-Fluorobiphenyl  
Concen: 71.632 ng  
RT: 12.94 min Scan# 1709  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

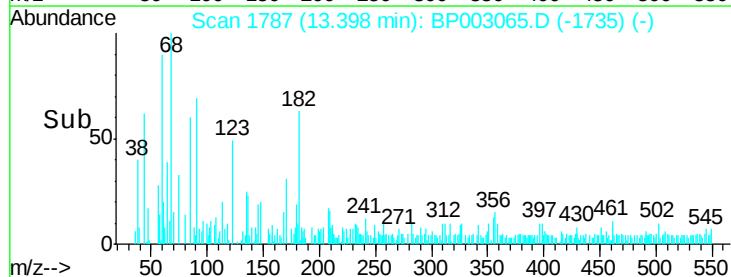
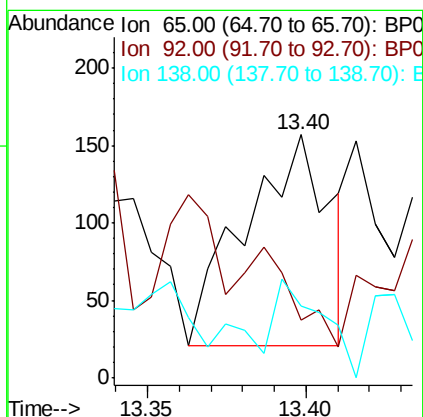
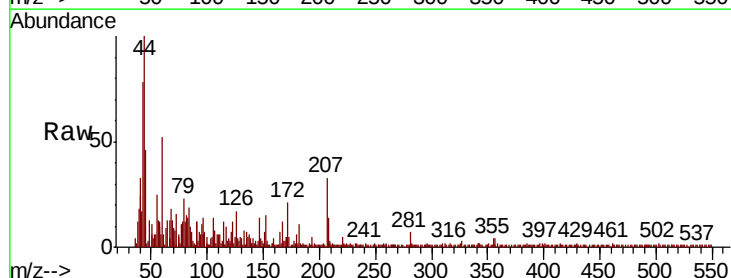
Instrument :  
BNA\_P  
ClientSampleId :  
AU-06-081720

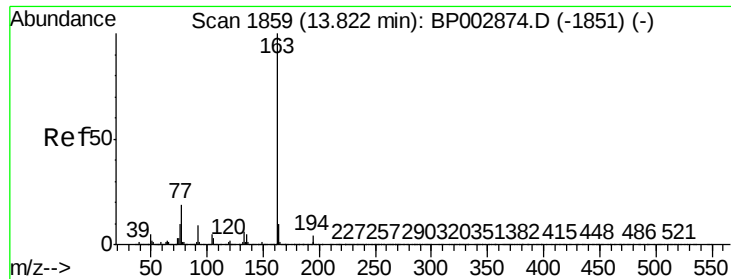
Tot Ion:172 Resp: 3504116  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.0 43.4  
170 23.7 19.1 28.7



#48  
2-Nitroaniline  
Concen: 3.993 ng  
RT: 13.40 min Scan# 1787  
Delta R.T. 0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

Tgt Ion: 65 Resp: 253  
Ion Ratio Lower Upper  
65 100  
92 23.6 70.1 105.1#  
138 29.3 129.7 194.5#





#50

Dimethylphthalate

Concen: 2.000 ng

RT: 13.77 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

Instrument :

BNA\_P

ClientSampleId :

AU-06-081720

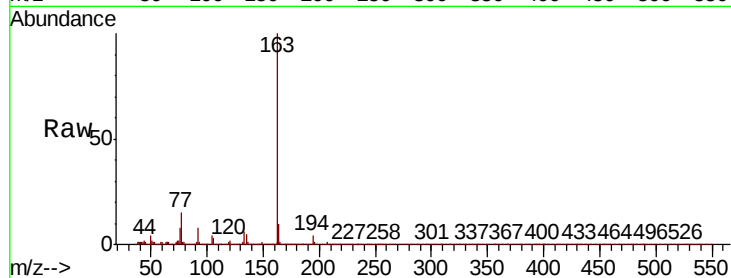
Tot Ion:163 Resp: 104561

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

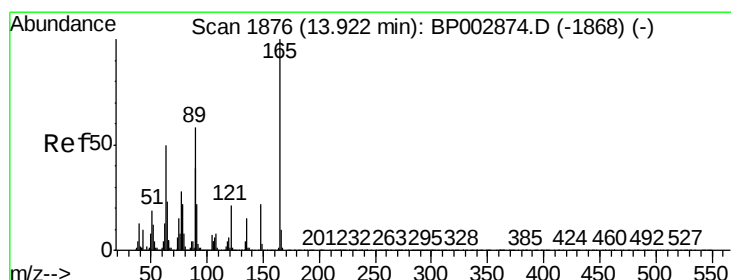
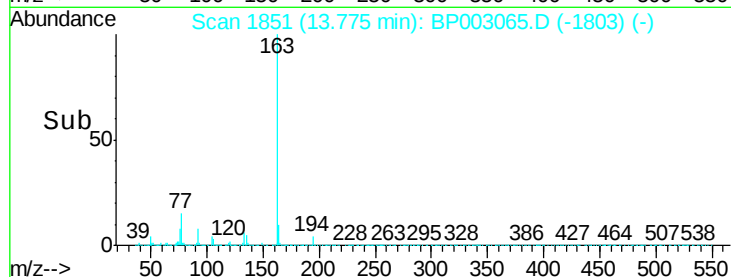
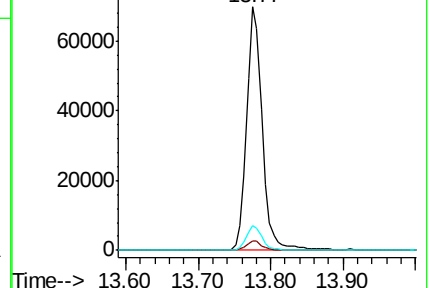
164 10.2 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 2.921 ng

RT: 13.88 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

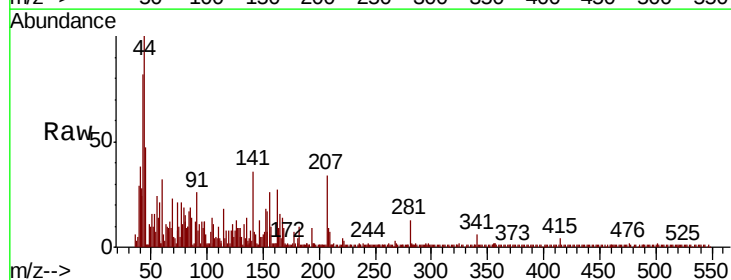
Tgt Ion:165 Resp: 272

Ion Ratio Lower Upper

165 100

63 54.9 28.1 42.1#

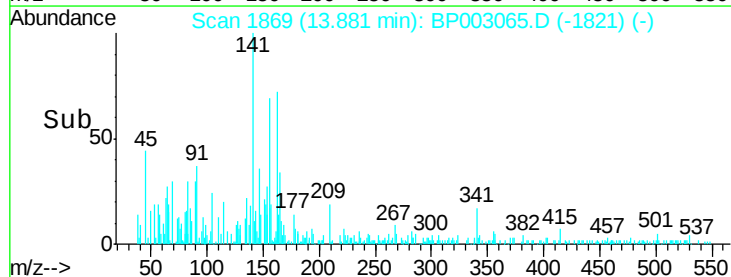
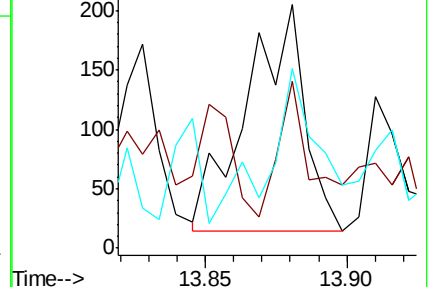
89 59.2 34.5 51.7#

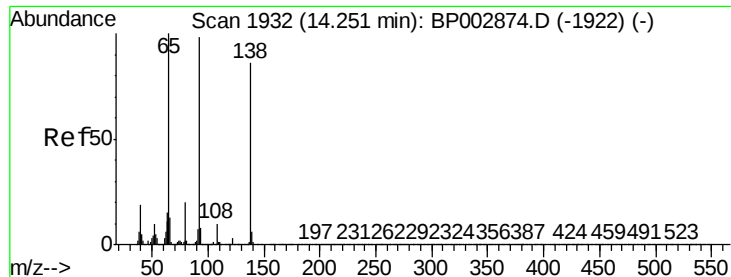


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0





#53

3-Nitroaniline

Concen: 3.286 ng

RT: 14.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

Instrument :

BNA\_P

ClientSampleId :

AU-06-081720

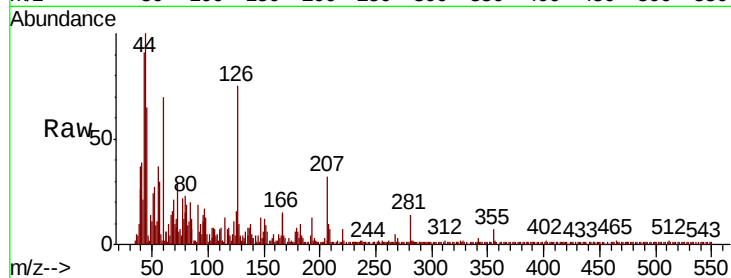
Tot Ion:138 Resp: 166

Ion Ratio Lower Upper

138 100

108 78.7 7.7 11.5#

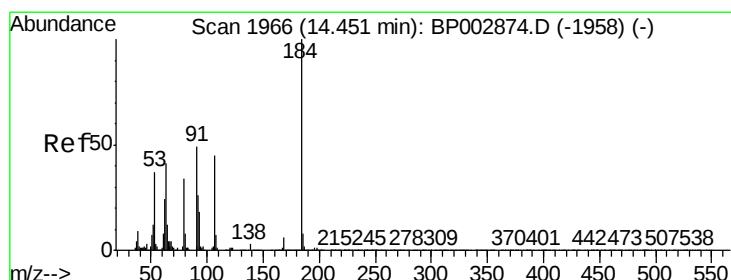
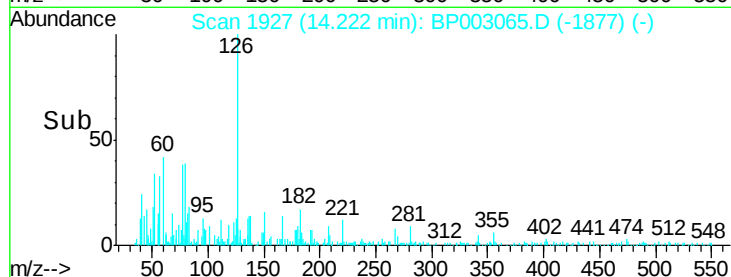
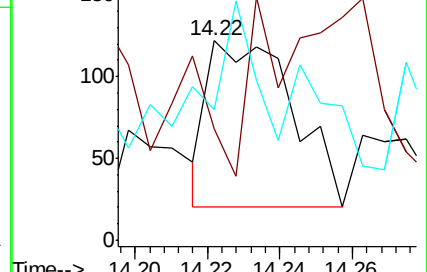
92 65.6 75.6 113.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0



#54

2,4-Dinitrophenol

Concen: 8.064 ng

RT: 14.41 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

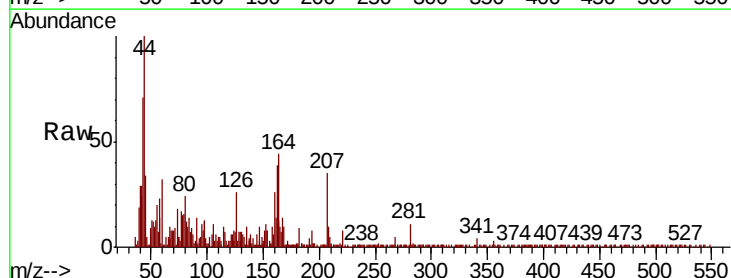
Tgt Ion:184 Resp: 37

Ion Ratio Lower Upper

184 100

63 164.7 33.0 49.6#

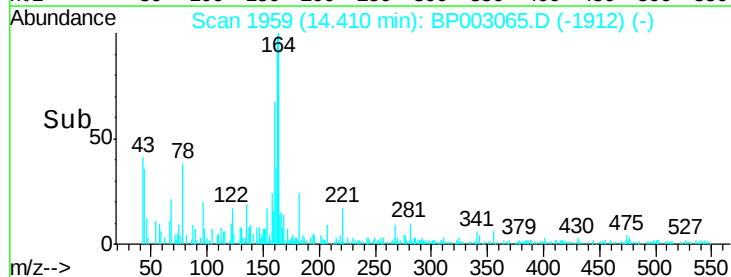
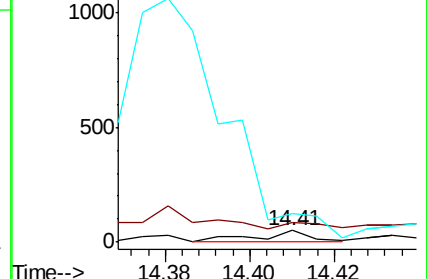
154 245.1 46.8 70.2#

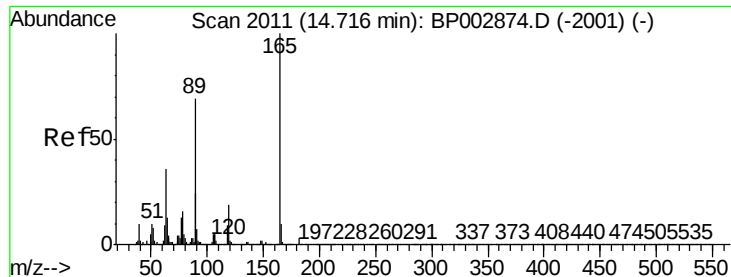


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

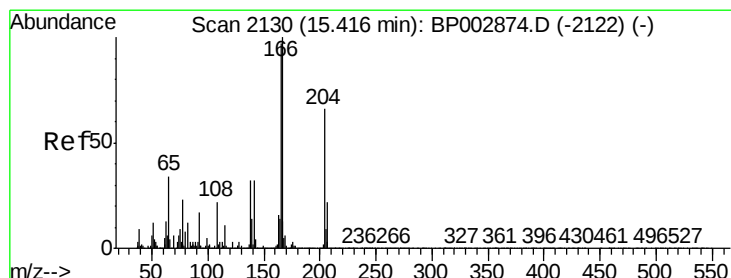
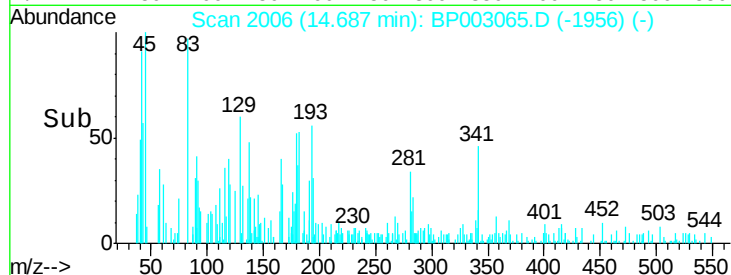
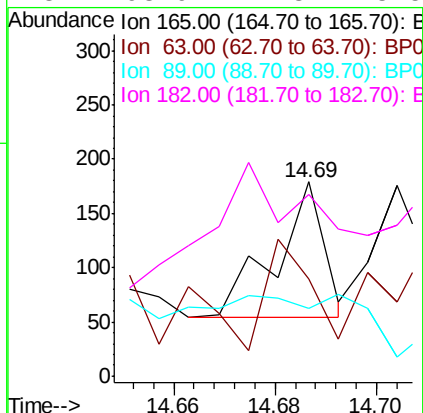
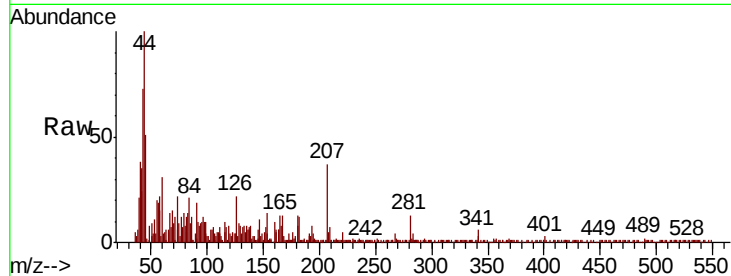




#57  
 2,4-Dinitrotoluene  
 Concen: 3.811 ng  
 RT: 14.69 min Scan# 2006  
 Delta R.T. -0.01 min  
 Lab File: BP003065.D  
 Acq: 20 Aug 2020 14:50

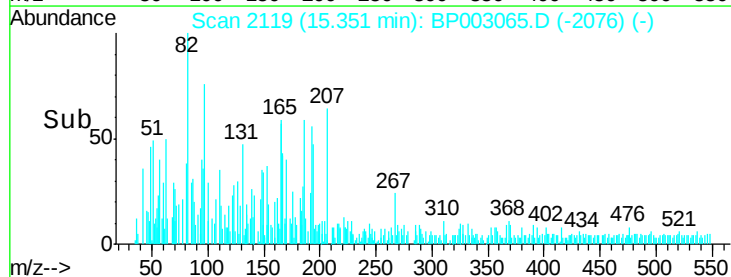
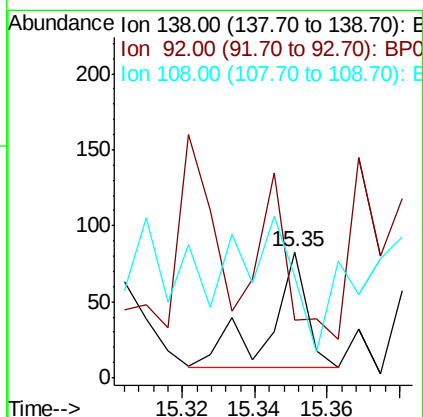
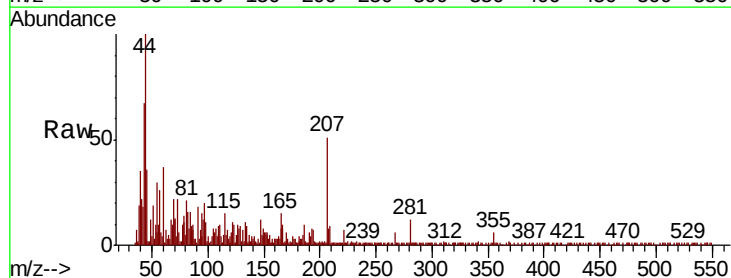
Instrument :  
 BNA\_P  
 ClientSampleId :  
 AU-06-081720

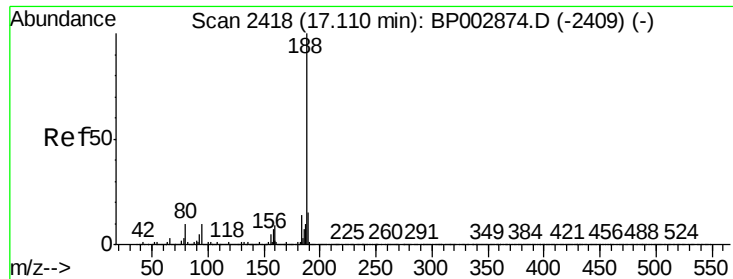
|             |       |       |
|-------------|-------|-------|
| Tot Ion:165 | Resp: | 83    |
| Ion Ratio   | Lower | Upper |
| 165 100     |       |       |
| 63 61.5     | 20.6  | 31.0# |
| 89 34.6     | 43.4  | 65.0# |
| 182 93.9    | 2.3   | 3.5#  |



#62  
 4-Nitroaniline  
 Concen: 2.420 ng  
 RT: 15.35 min Scan# 2119  
 Delta R.T. -0.05 min  
 Lab File: BP003065.D  
 Acq: 20 Aug 2020 14:50

|         |       |       |       |
|---------|-------|-------|-------|
| Tgt Ion | 138   | Resp: | 55    |
| Ion     | Ratio | Lower | Upper |
| 138     | 100   |       |       |
| 92      | 45.8  | 21.4  | 61.4  |
| 108     | 80.7  | 40.8  | 80.8  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

Instrument :

BNA\_P

ClientSampleId :

AU-06-081720

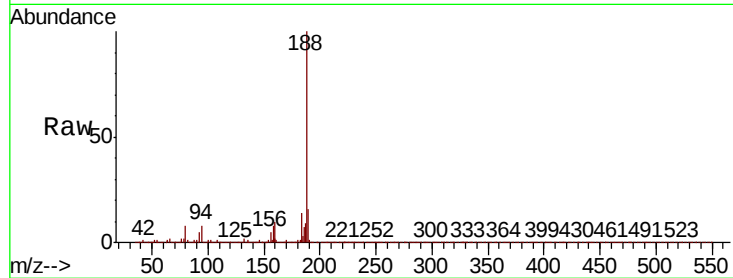
Tot Ion:188 Resp: 1430020

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

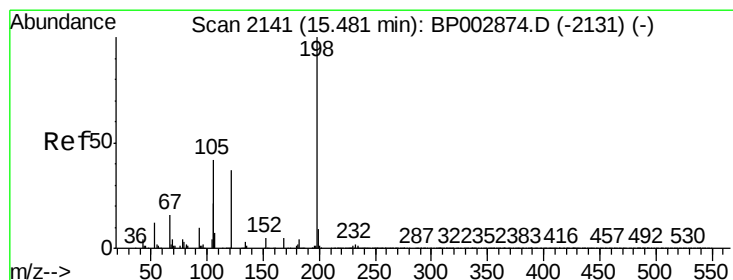
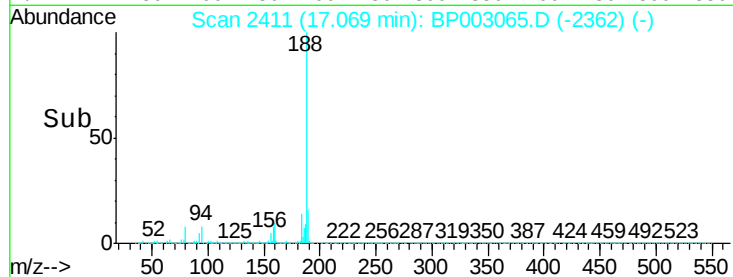
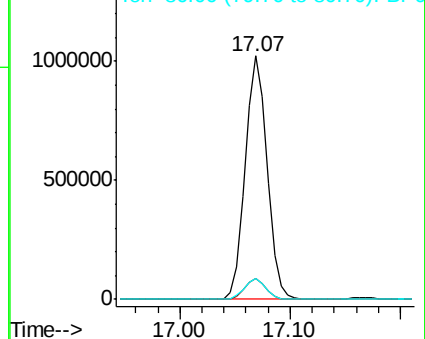
80 8.4 6.7 10.1



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: 6.902 ng

RT: 15.45 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BP003065.D

Acq: 20 Aug 2020 14:50

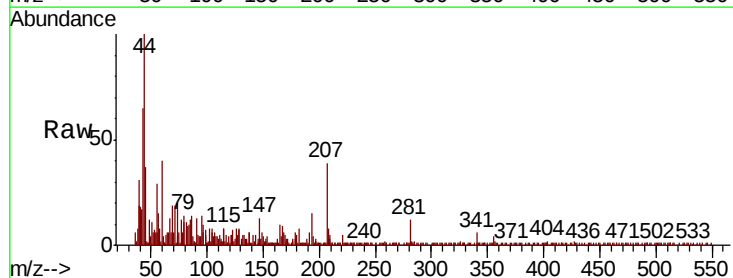
Tgt Ion:198 Resp: 15

Ion Ratio Lower Upper

198 100

51 502.8 6.2 46.2#

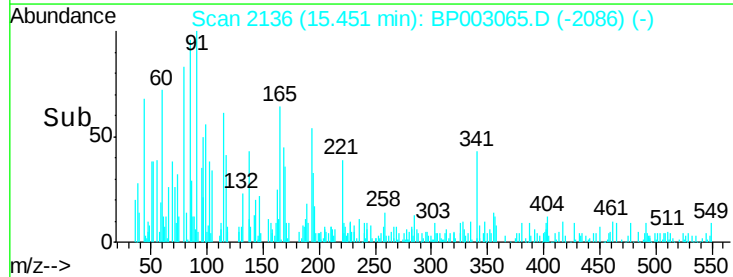
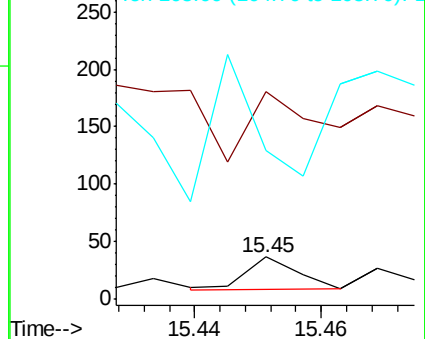
105 358.3 19.9 59.9#

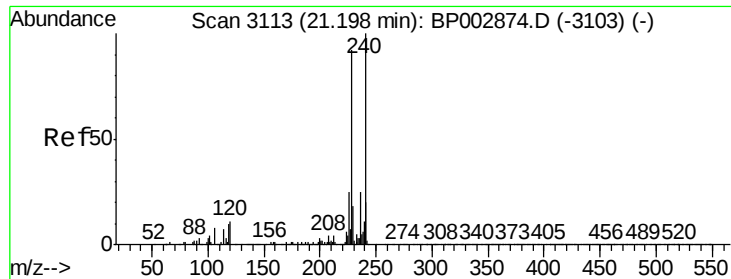


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

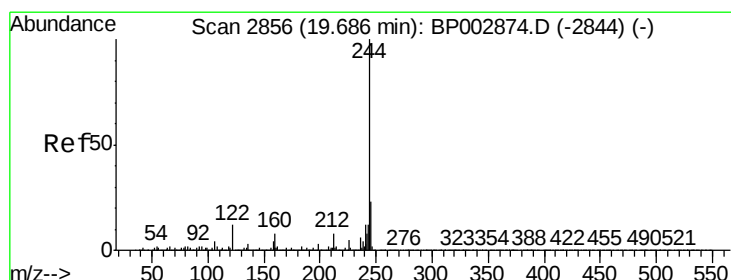
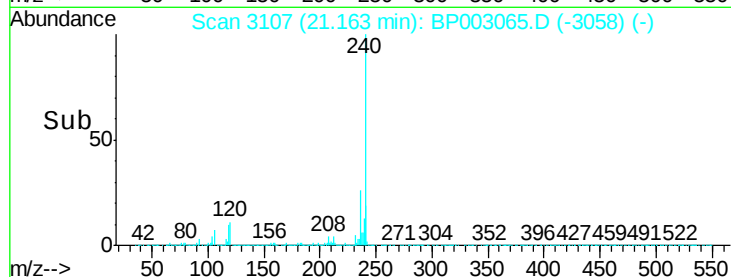
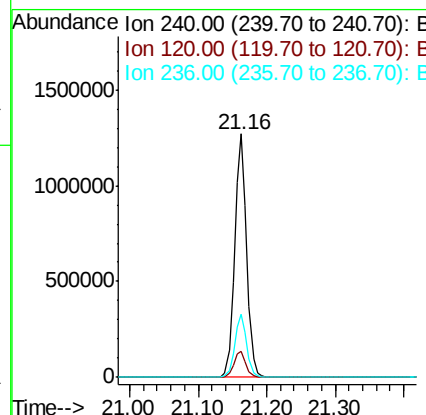
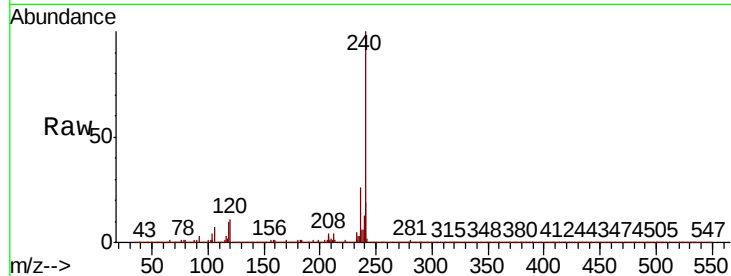




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.16 min Scan# 3107  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

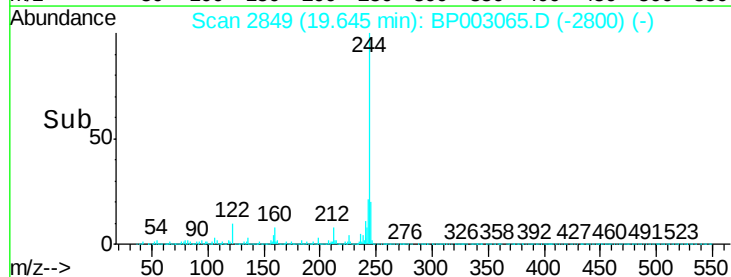
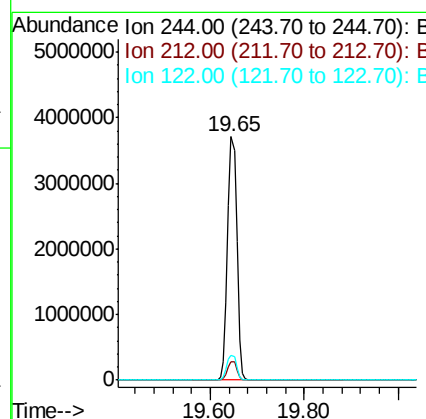
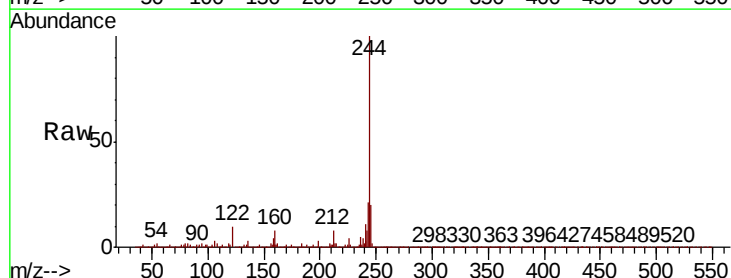
Instrument :  
BNA\_P  
ClientSampleId :  
AU-06-081720

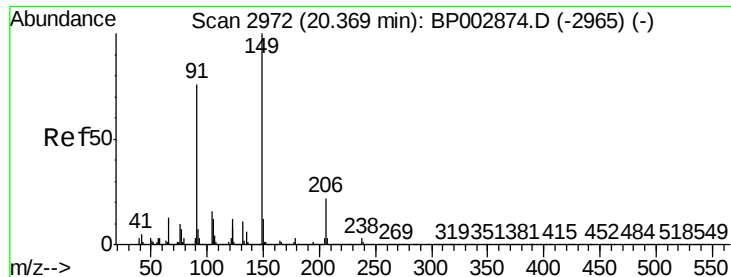
Tot Ion:240 Resp: 1544732  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.5 14.3  
236 26.2 20.8 31.2



#79  
Terphenyl-d14  
Concen: 65.367 ng  
RT: 19.65 min Scan# 2849  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

Tgt Ion:244 Resp: 5043771  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.3 9.5  
122 10.4 8.7 13.1

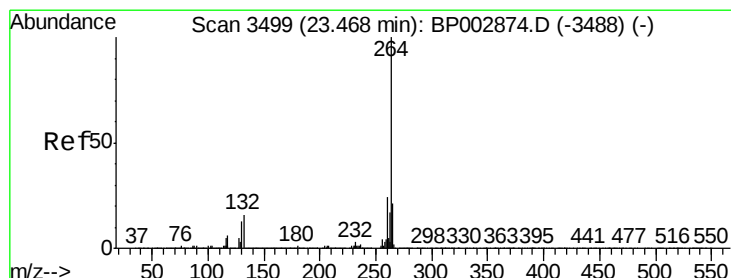
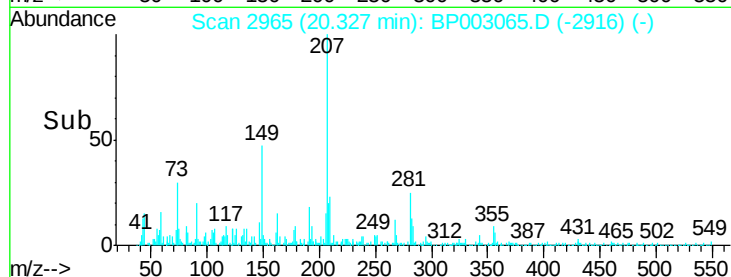
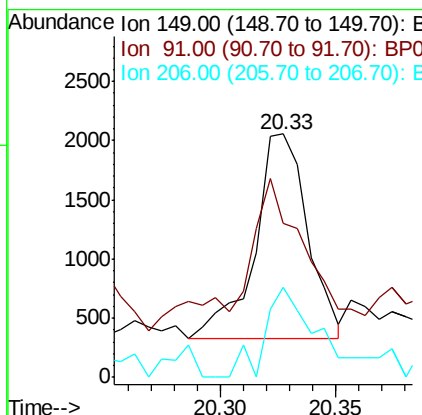
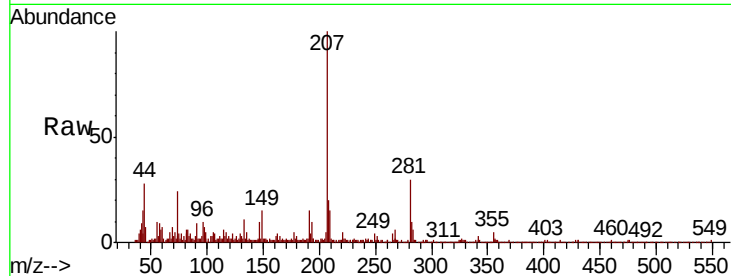




#80  
Butylbenzylphthalate  
Concen: 3.117 ng  
RT: 20.33 min Scan# 2965  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

Instrument :  
BNA\_P  
ClientSampleId :  
AU-06-081720

Tot Ion:149 Resp: 2779  
Ion Ratio Lower Upper  
149 100  
91 63.4 45.3 67.9  
206 37.0 17.5 26.3#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.41 min Scan# 3489  
Delta R.T. -0.01 min  
Lab File: BP003065.D  
Acq: 20 Aug 2020 14:50

Tgt Ion:264 Resp: 2066116  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.2 28.8  
265 21.4 17.3 25.9

