

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081920\  
 Data File : BP003053.D  
 Acq On : 20 Aug 2020 02:51  
 Operator : CG/JU  
 Sample : L3682-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 20200514-2801-B

Quant Time: Aug 20 04:01:05 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

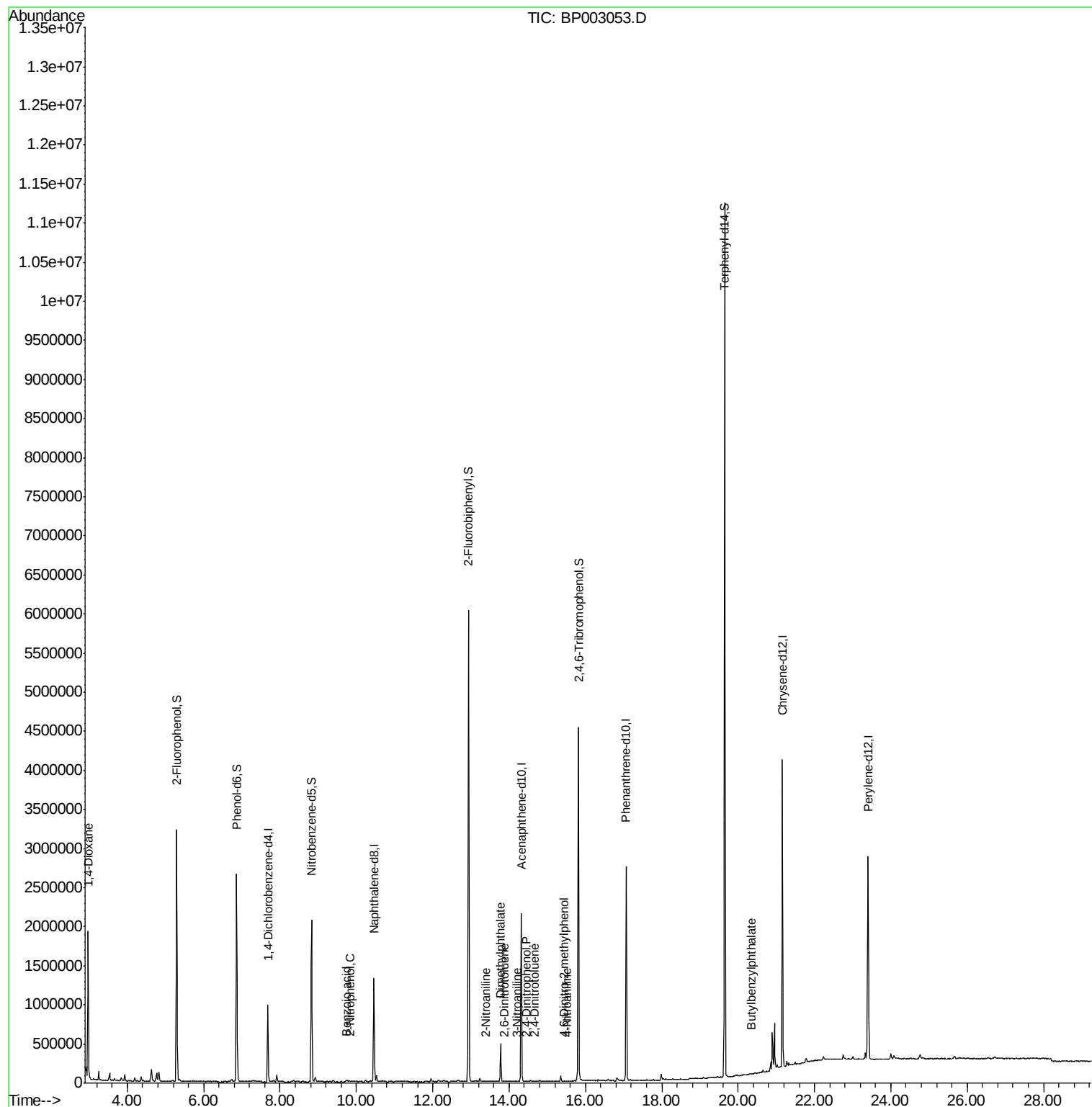
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|--------------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.68  | 152  | 300884   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8             | 10.46 | 136  | 1226458  | 20.00  | ng    | -0.01         |
| 39) Acenaphthene-d10           | 14.32 | 164  | 765434   | 20.00  | ng    | 0.00          |
| 64) Phenanthrene-d10           | 17.07 | 188  | 1683556  | 20.00  | ng    | -0.01         |
| 76) Chrysene-d12               | 21.16 | 240  | 1765725  | 20.00  | ng    | -0.01         |
| 86) Perylene-d12               | 23.40 | 264  | 1805456  | 20.00  | ng    | -0.02         |
| System Monitoring Compounds    |       |      |          |        |       |               |
| 5) 2-Fluorophenol              | 5.29  | 112  | 1672165  | 85.06  | ng    | 0.00          |
| 7) Phenol-d6                   | 6.86  | 99   | 1818602  | 66.63  | ng    | 0.00          |
| 23) Nitrobenzene-d5            | 8.82  | 82   | 1247755  | 55.10  | ng    | -0.01         |
| 42) 2,4,6-Tribromophenol       | 15.82 | 330  | 1029920  | 108.26 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl           | 12.94 | 172  | 3432146  | 61.26  | ng    | -0.01         |
| 79) Terphenyl-d14              | 19.64 | 244  | 5007987  | 56.78  | ng    | -0.01         |
| Target Compounds               |       |      |          |        |       |               |
| 2) 1,4-Dioxane                 | 2.97  | 88   | 17259    | 2.045  | ng    | Qvalue<br># 1 |
| 26) 2-Nitrophenol              | 9.83  | 139  | 418      | 4.557  | ng    | 91            |
| 32) Benzoic acid               | 9.75  | 122  | 11974    | 8.569  | ng    | 94            |
| 48) 2-Nitroaniline             | 13.39 | 65   | 112      | 3.980  | ng    | # 19          |
| 50) Dimethylphthalate          | 13.77 | 163  | 353466   | 5.904  | ng    | 99            |
| 51) 2,6-Dinitrotoluene         | 13.87 | 165  | 397      | 2.927  | ng    | # 56          |
| 53) 3-Nitroaniline             | 14.21 | 138  | 126      | 3.282  | ng    | # 63          |
| 54) 2,4-Dinitrophenol          | 14.43 | 184  | 43       | 8.064  | ng    | # 1           |
| 57) 2,4-Dinitrotoluene         | 14.67 | 165  | 88       | 3.810  | ng    | # 42          |
| 62) 4-Nitroaniline             | 15.53 | 138  | 128      | 2.425  | ng    | 86            |
| 65) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 24       | 6.903  | ng    | # 1           |
| 80) Butylbenzylphthalate       | 20.33 | 149  | 1694     | 3.089  | ng    | # 82          |

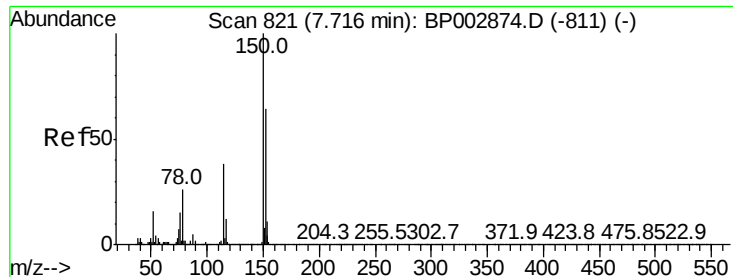
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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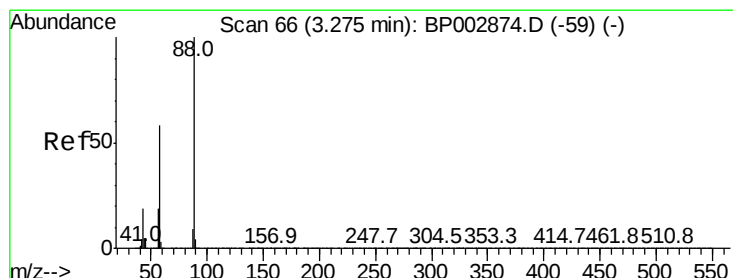
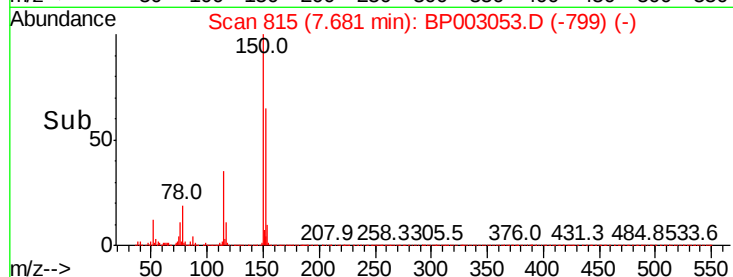
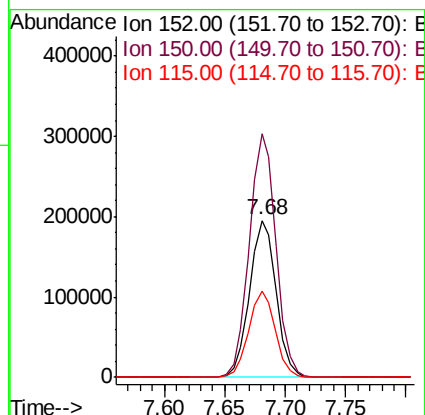
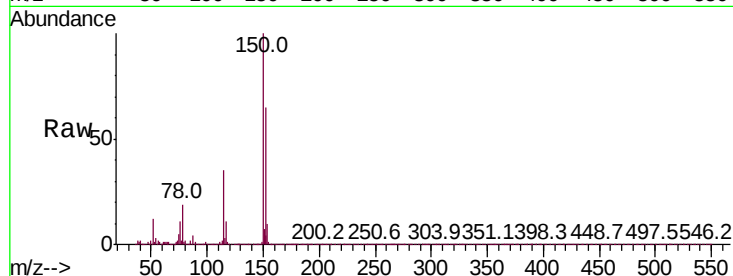


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.68 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

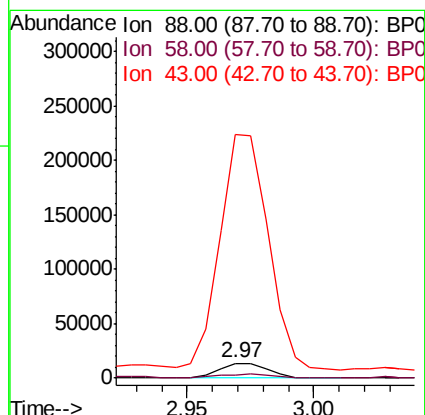
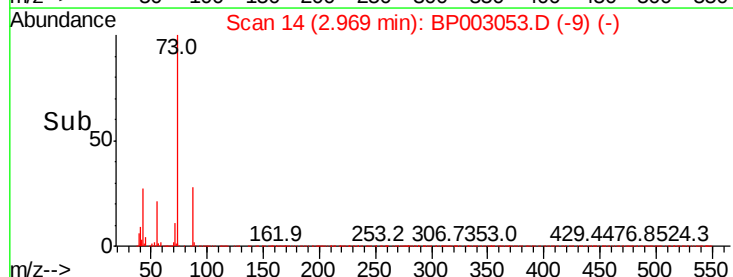
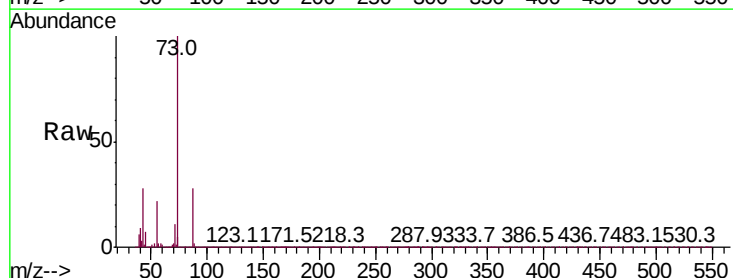
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 126.1 | 189.1 |
| 115     | 54.9  | 43.4  | 65.2  |

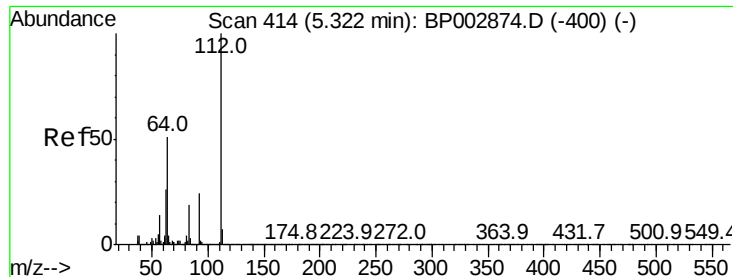


#2

1,4-Dioxane  
Concen: 2.045 ng  
RT: 2.97 min Scan# 14  
Delta R.T. -0.27 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 88      | 100    |       |       |
| 58      | 22.7   | 44.5  | 66.7# |
| 43      | 1637.5 | 14.5  | 21.7# |





#5

2-Fluorophenol

Concen: 85.058 ng

RT: 5.29 min Scan# 409

Delta R.T. -0.00 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

Instrument :

BNA\_P

ClientSampleId :

20200514-2801-B

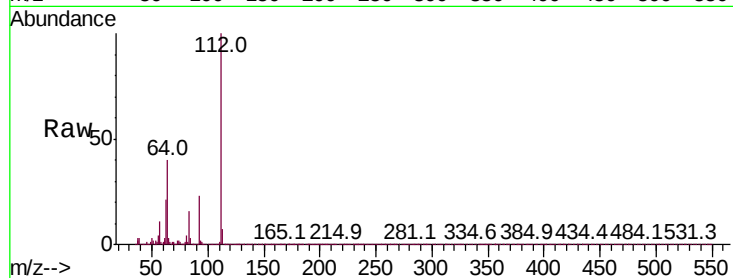
Tot Ion:112 Resp: 1672165

Ion Ratio Lower Upper

112 100

64 40.1 33.4 50.2

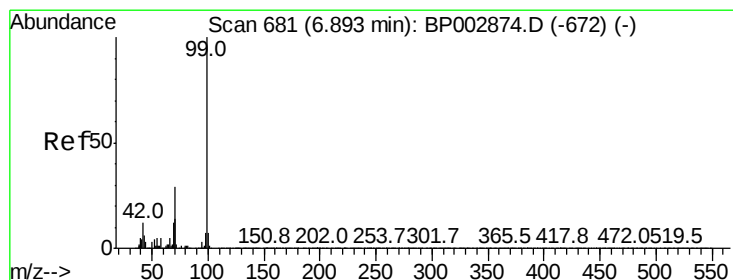
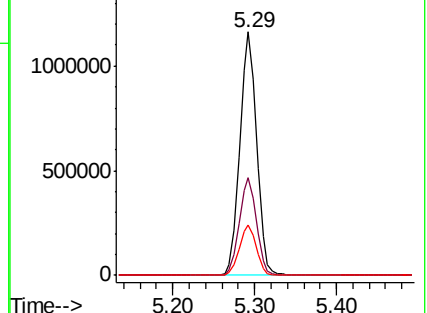
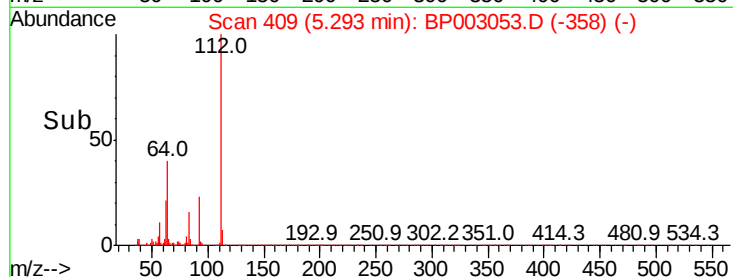
63 20.6 17.4 26.0



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: 66.629 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

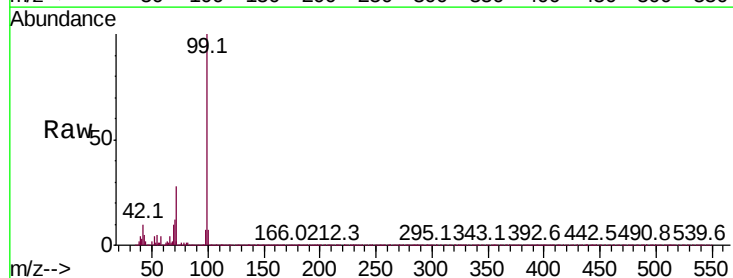
Tgt Ion: 99 Resp: 1818602

Ion Ratio Lower Upper

99 100

42 10.4 8.0 12.0

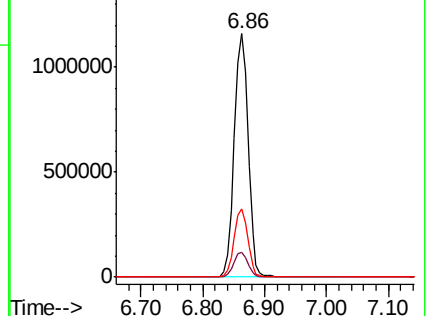
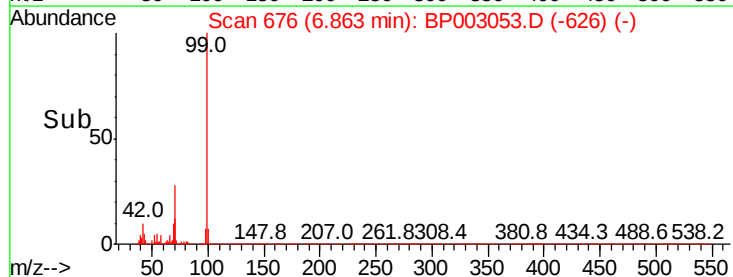
71 28.0 21.3 31.9

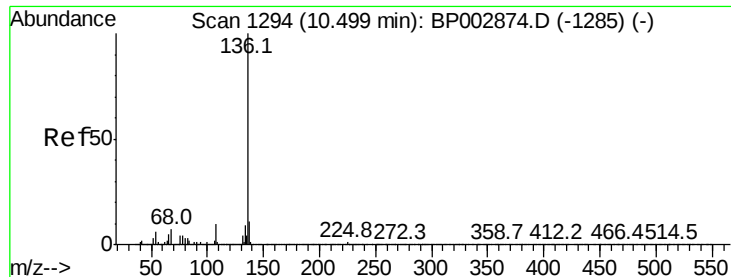


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

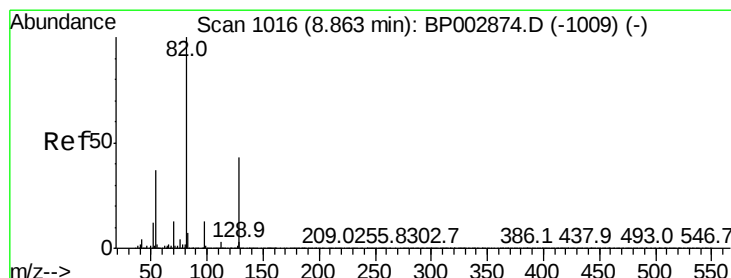
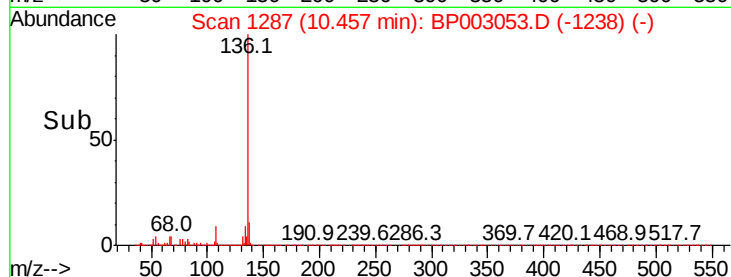
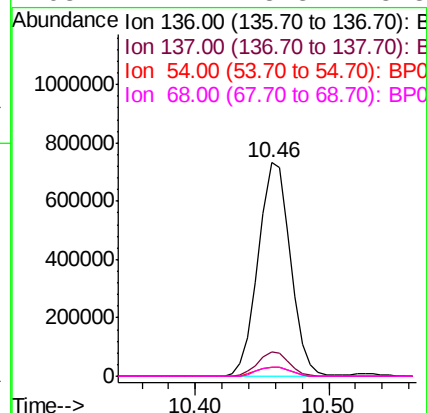
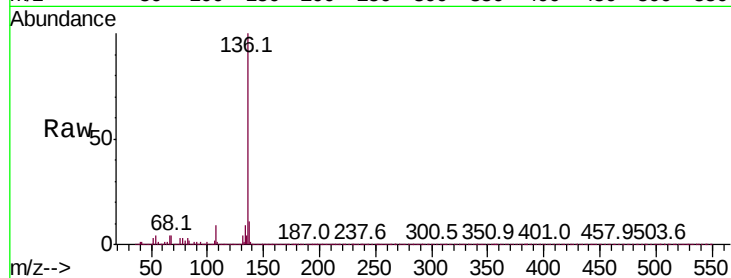




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.46 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

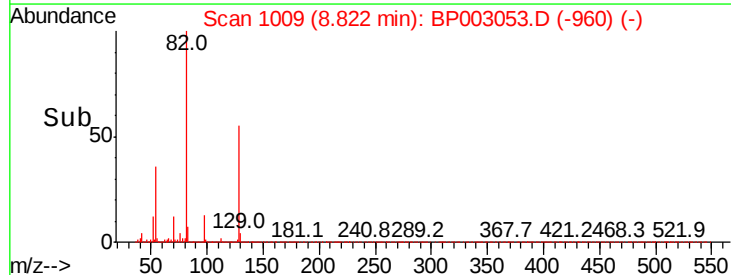
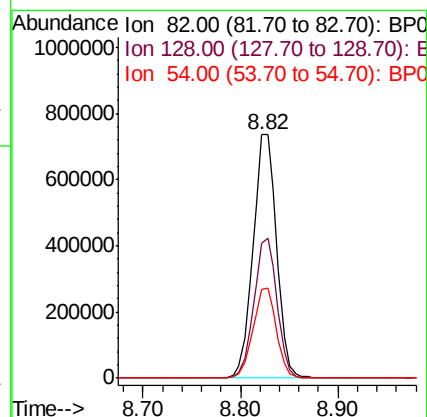
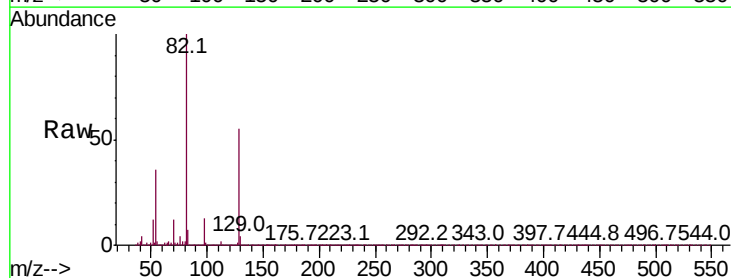
Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

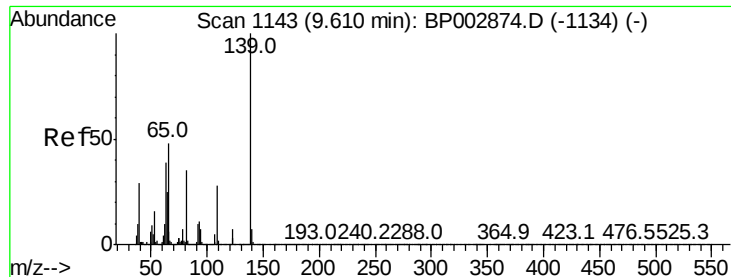
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1226458 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.1    | 8.8 13.2      |
| 54 4.5      | 3.8 5.8       |
| 68 4.4      | 3.8 5.8       |



#23  
Nitrobenzene-d5  
Concen: 55.103 ng  
RT: 8.82 min Scan# 1009  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1247755 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 55.3    | 45.1 67.7     |
| 54 36.4     | 28.8 43.2     |

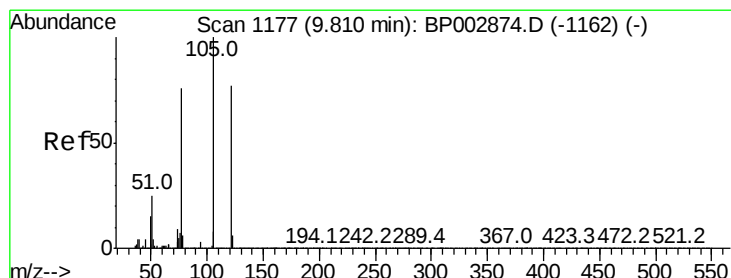
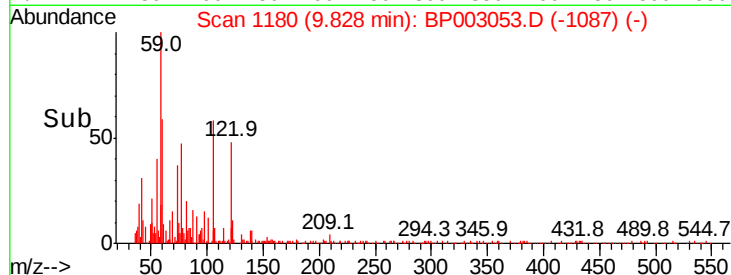
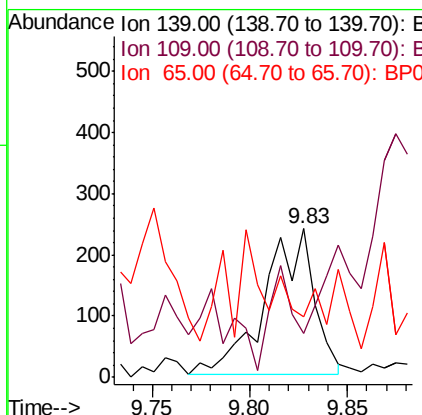
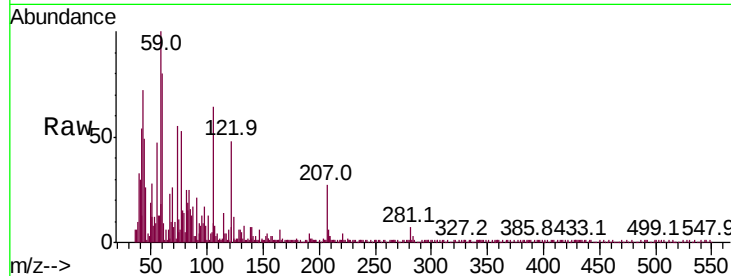




#26  
2-Nitrophenol  
Concen: 4.557 ng  
RT: 9.83 min Scan# 1180  
Delta R.T. 0.25 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

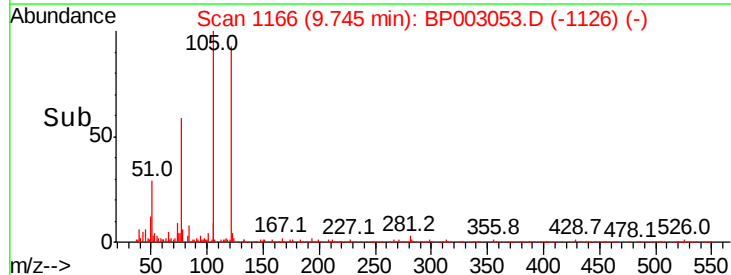
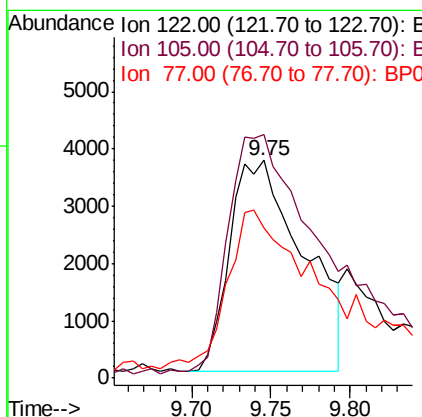
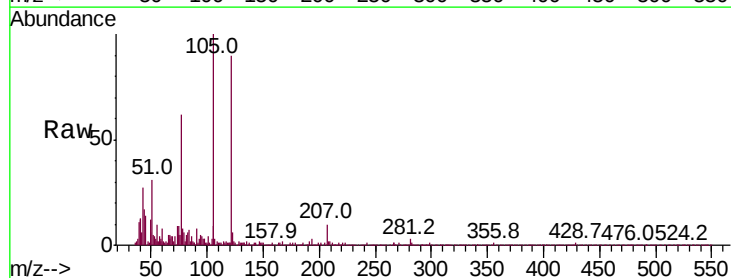
Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

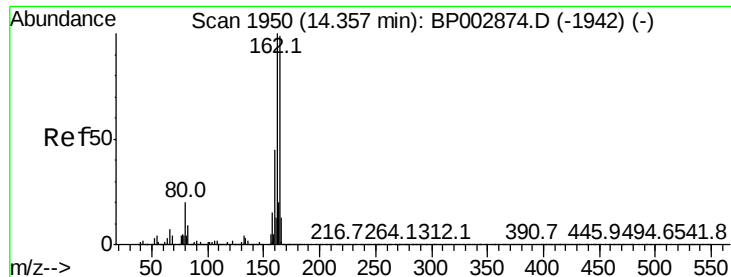
Tot Ion:139 Resp: 418  
Ion Ratio Lower Upper  
139 100  
109 29.6 21.0 31.6  
65 40.7 27.2 40.8



#32  
Benzoic acid  
Concen: 8.569 ng  
RT: 9.75 min Scan# 1166  
Delta R.T. -0.07 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Tgt Ion:122 Resp: 11974  
Ion Ratio Lower Upper  
122 100  
105 111.7 96.2 136.2  
77 68.8 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: BP003053.D

Acq: 20 Aug 2020 02:51

Instrument :

BNA\_P

ClientSampleId :

20200514-2801-B

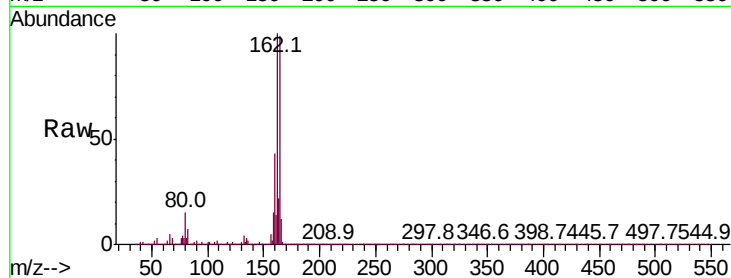
Tot Ion:164 Resp: 765434

Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

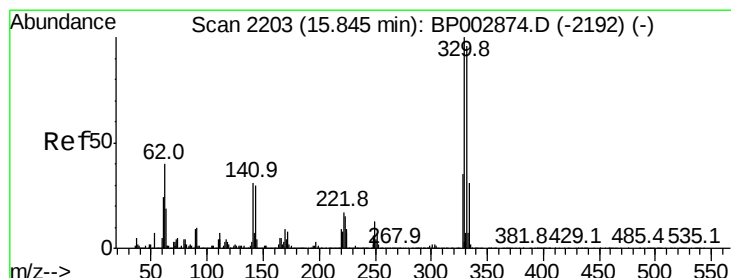
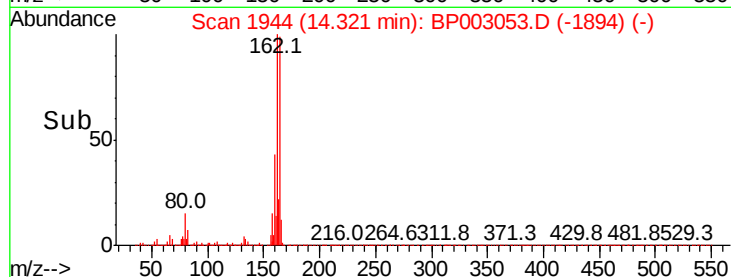
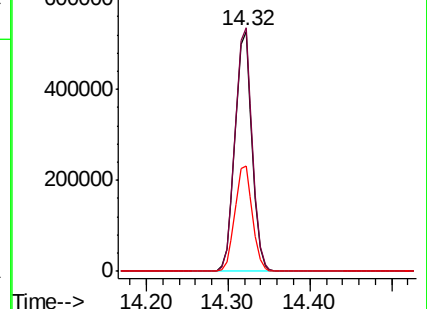
160 43.9 35.5 53.3



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: 108.259 ng

RT: 15.82 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

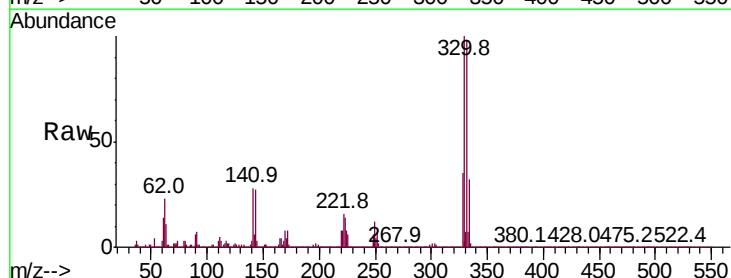
Tgt Ion:330 Resp: 1029920

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

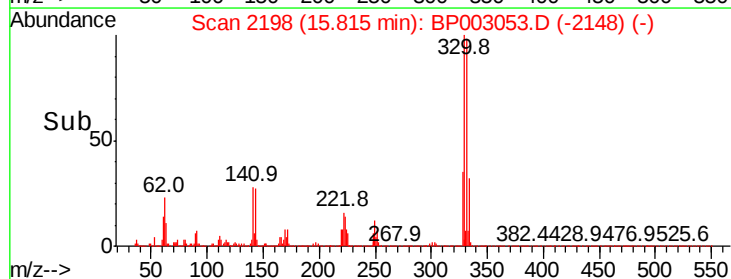
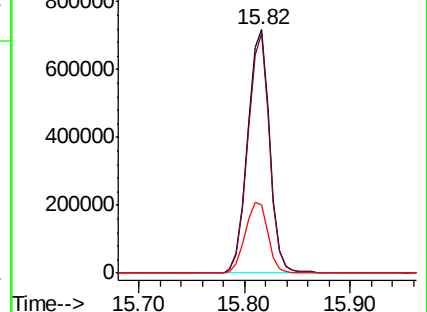
141 30.2 26.7 40.1

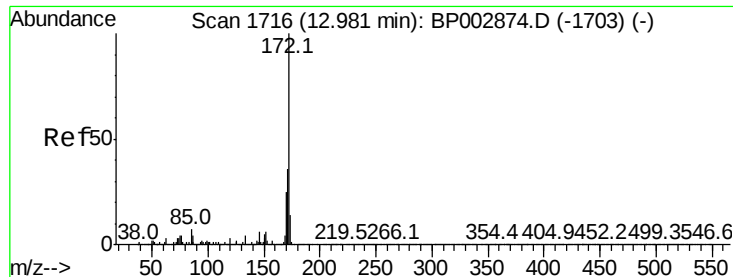


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

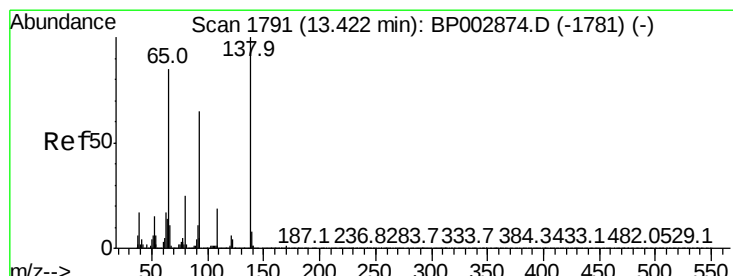
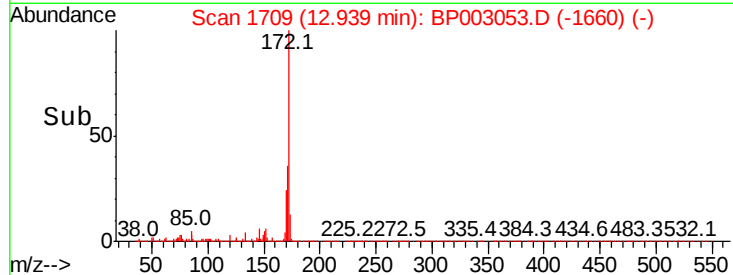
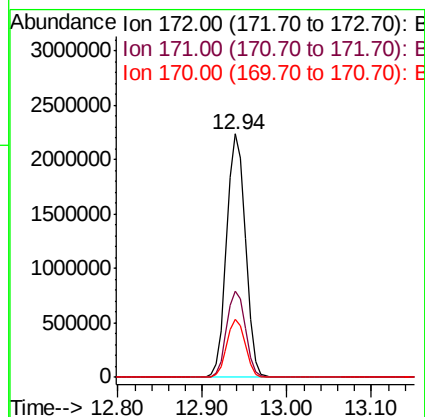
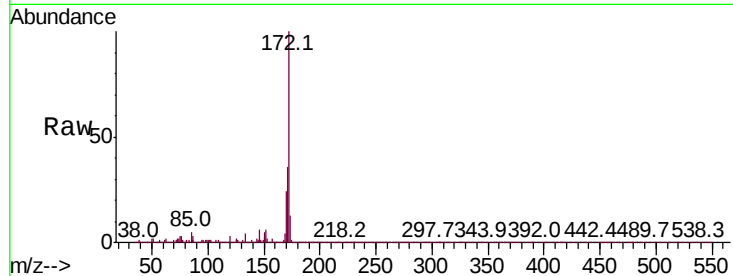




#45  
2-Fluorobiphenyl  
Concen: 61.264 ng  
RT: 12.94 min Scan# 1709  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

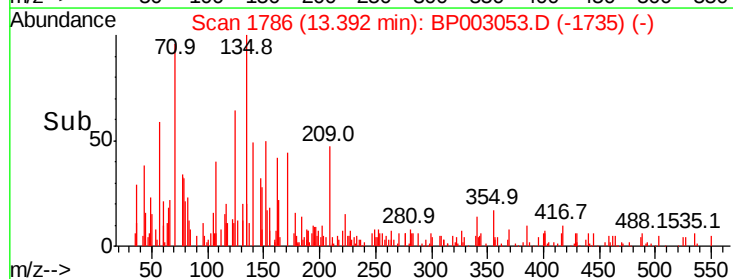
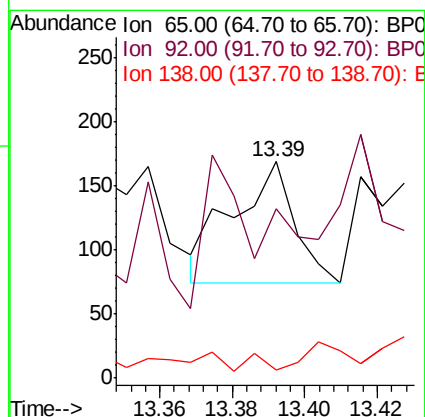
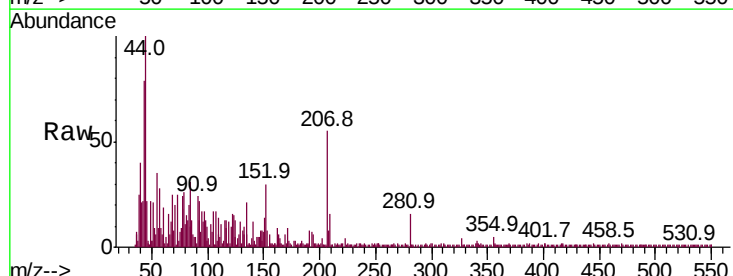
Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

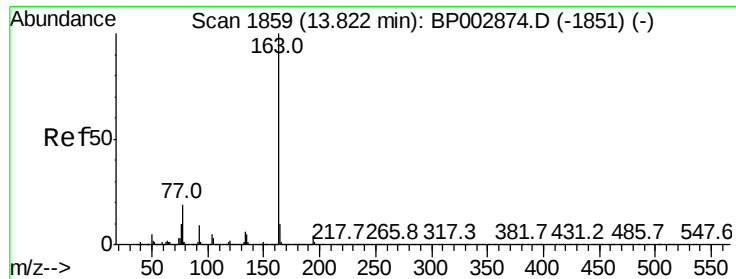
Tot Ion:172 Resp: 3432146  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.0 43.4  
170 23.7 19.1 28.7



#48  
2-Nitroaniline  
Concen: 3.980 ng  
RT: 13.39 min Scan# 1786  
Delta R.T. -0.00 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Tgt Ion: 65 Resp: 112  
Ion Ratio Lower Upper  
65 100  
92 78.1 70.1 105.1  
138 3.6 129.7 194.5#





#50

Dimethylphthalate

Concen: 5.904 ng

RT: 13.77 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

Instrument :

BNA\_P

ClientSampleId :

20200514-2801-B

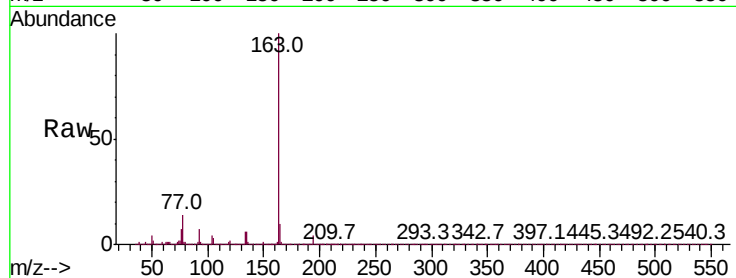
Tot Ion:163 Resp: 353466

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

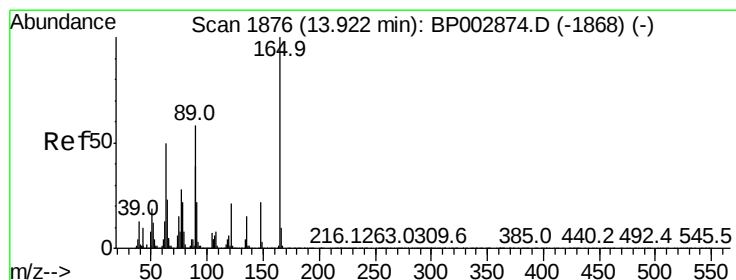
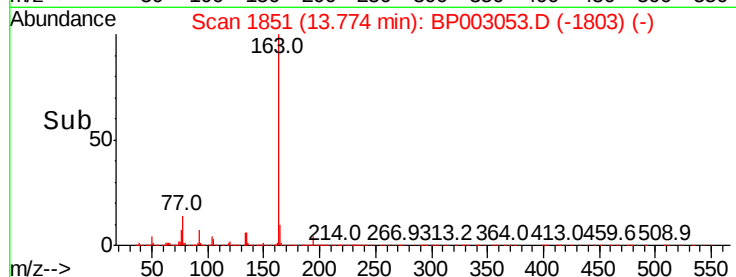
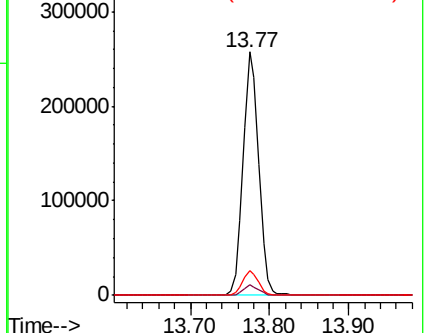
164 10.4 8.1 12.1



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: 2.927 ng

RT: 13.87 min Scan# 1868

Delta R.T. -0.02 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

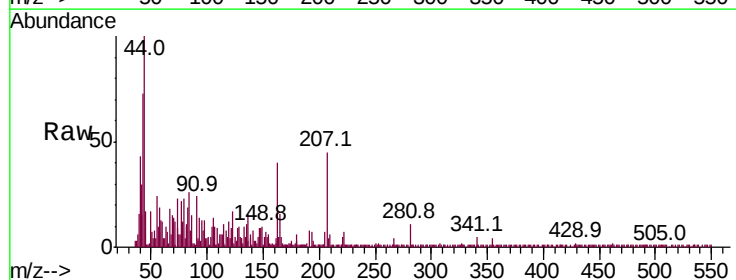
Tgt Ion:165 Resp: 397

Ion Ratio Lower Upper

165 100

63 60.6 28.1 42.1#

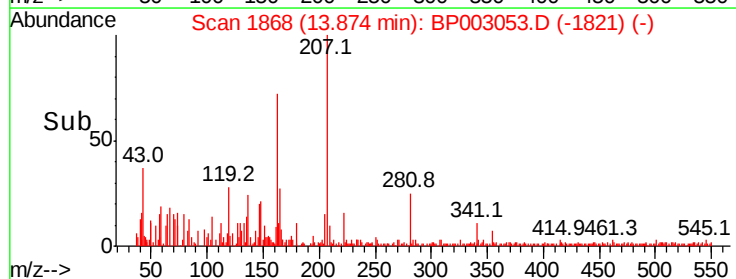
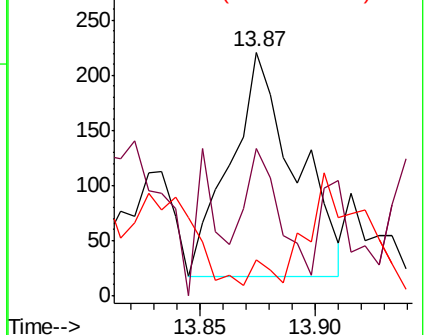
89 14.9 34.5 51.7#

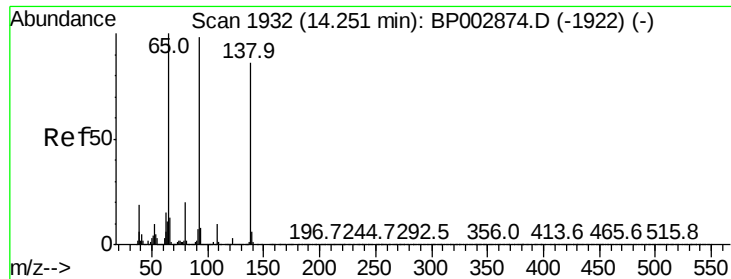


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0





#53

3-Nitroaniline

Concen: 3.282 ng

RT: 14.21 min Scan# 1925

Delta R.T. -0.02 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

Instrument :

BNA\_P

ClientSampleId :

20200514-2801-B

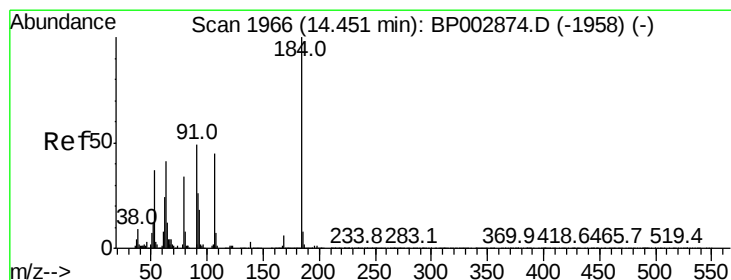
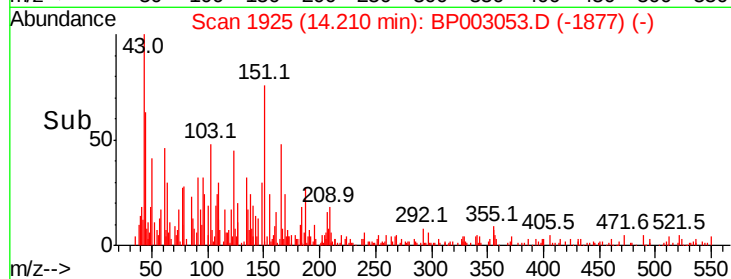
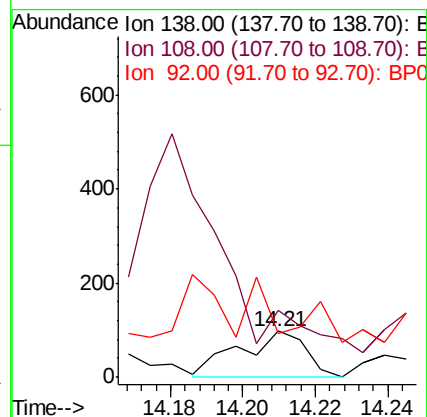
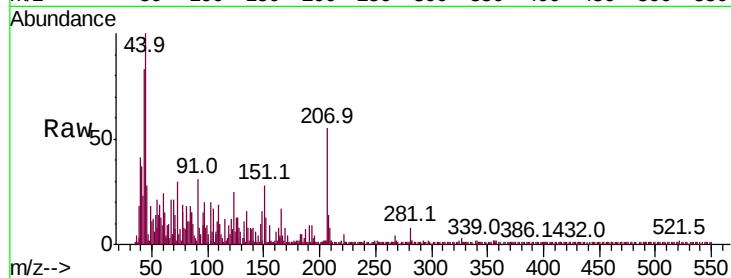
Tot Ion:138 Resp: 126

Ion Ratio Lower Upper

138 100

108 146.4 7.7 11.5#

92 96.9 75.6 113.4



#54

2,4-Dinitrophenol

Concen: 8.064 ng

RT: 14.43 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

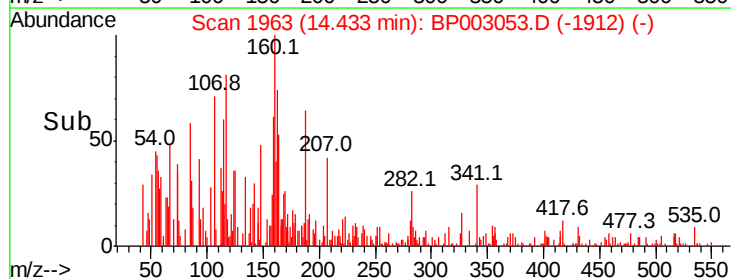
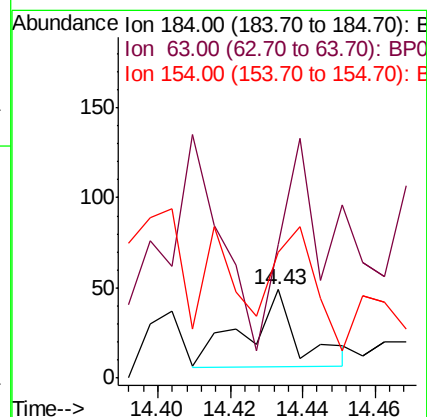
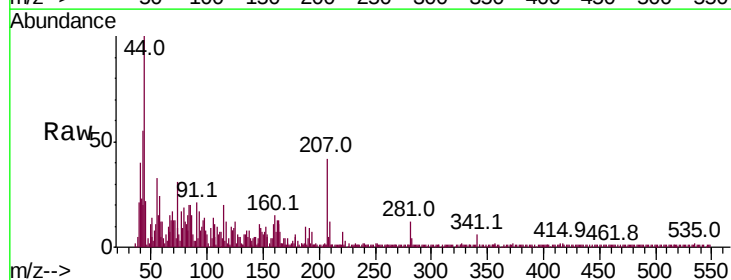
Tgt Ion:184 Resp: 43

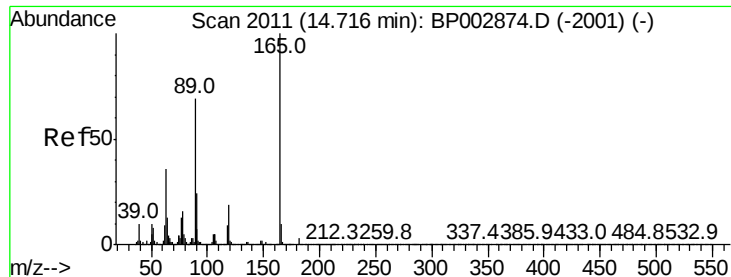
Ion Ratio Lower Upper

184 100

63 151.0 33.0 49.6#

154 142.9 46.8 70.2#

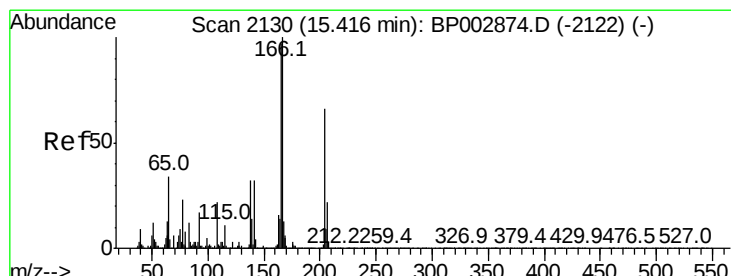
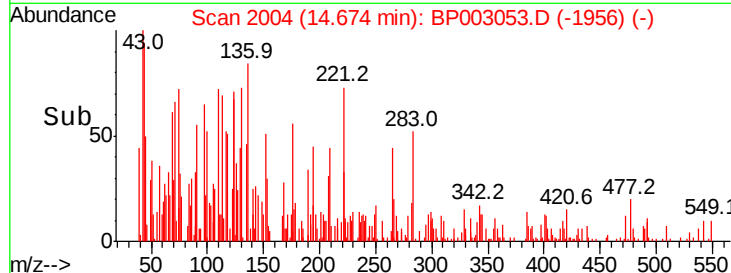
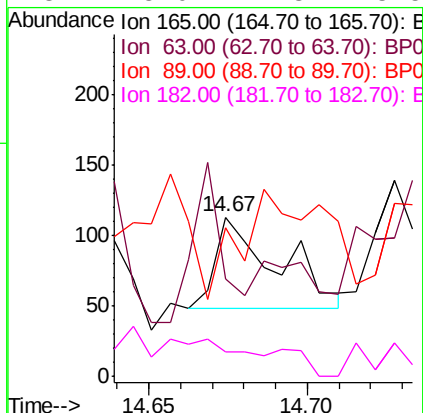
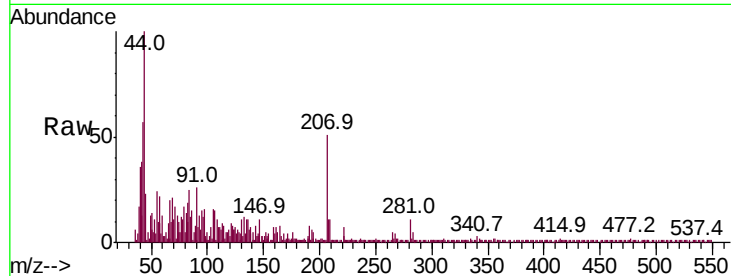




#57  
2,4-Dinitrotoluene  
Concen: 3.810 ng  
RT: 14.67 min Scan# 2004  
Delta R.T. -0.02 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

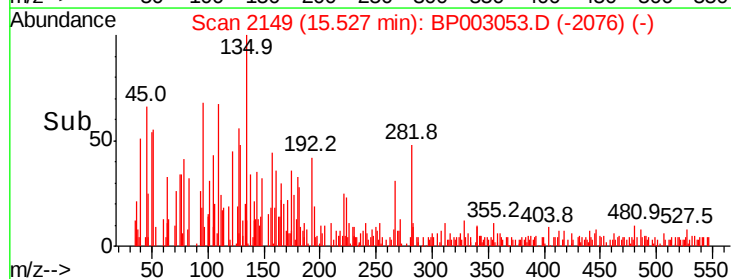
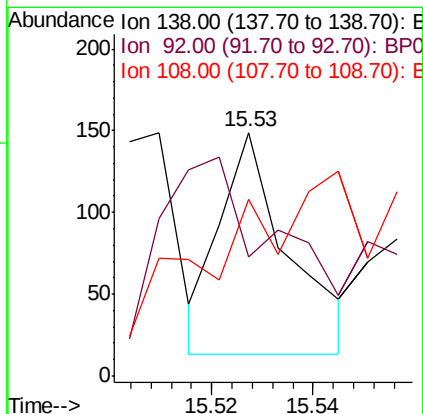
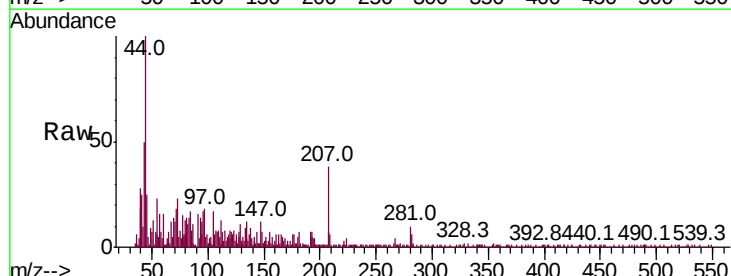
Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

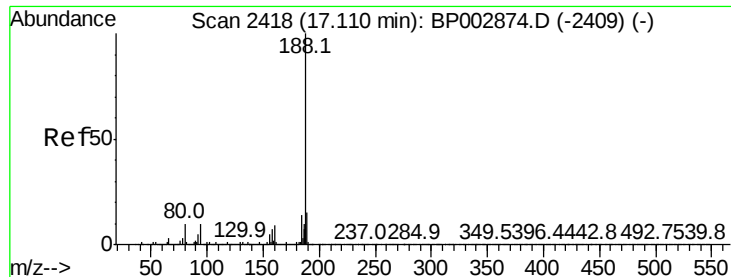
Tot Ion:165 Resp: 88  
Ion Ratio Lower Upper  
165 100  
63 61.1 20.6 31.0#  
89 92.9 43.4 65.0#  
182 15.0 2.3 3.5#



#62  
4-Nitroaniline  
Concen: 2.425 ng  
RT: 15.53 min Scan# 2149  
Delta R.T. 0.13 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Tgt Ion:138 Resp: 128  
Ion Ratio Lower Upper  
138 100  
92 49.0 21.4 61.4  
108 72.5 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: BP003053.D

Acq: 20 Aug 2020 02:51

Instrument :

BNA\_P

ClientSampleId :

20200514-2801-B

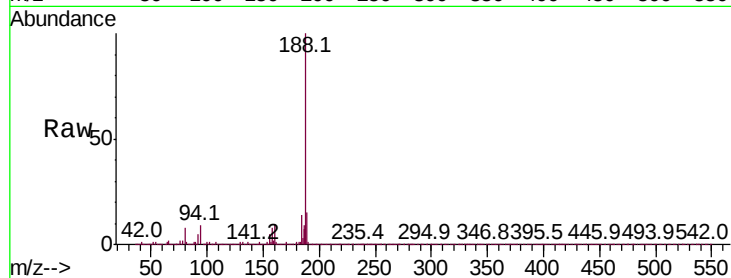
Tot Ion:188 Resp: 1683556

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

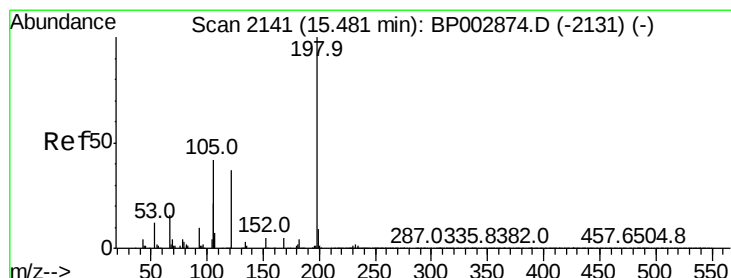
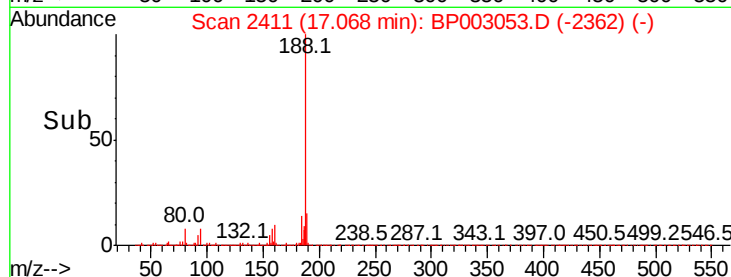
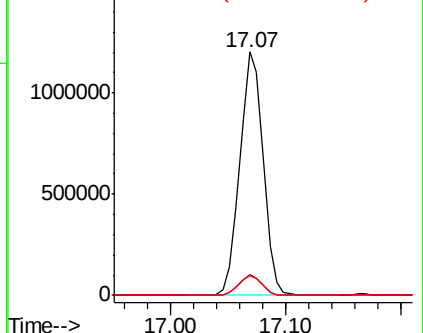
80 8.0 6.7 10.1



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: 6.903 ng

RT: 15.45 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BP003053.D

Acq: 20 Aug 2020 02:51

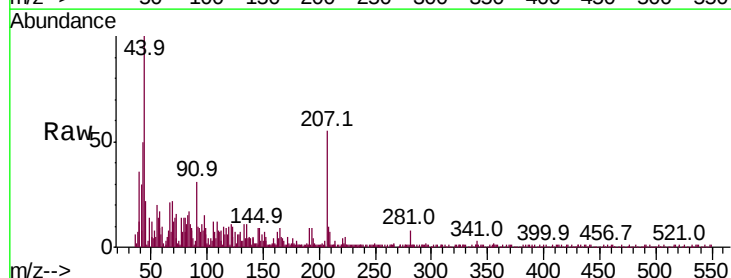
Tgt Ion:198 Resp: 24

Ion Ratio Lower Upper

198 100

51 942.9 6.2 46.2#

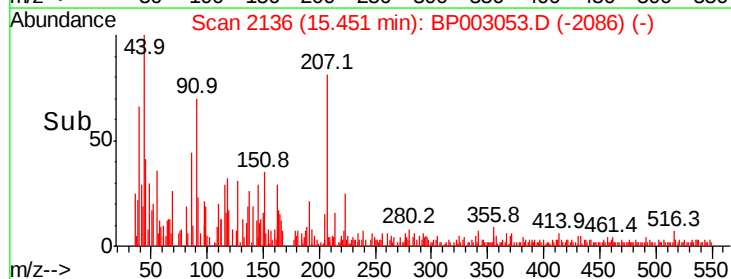
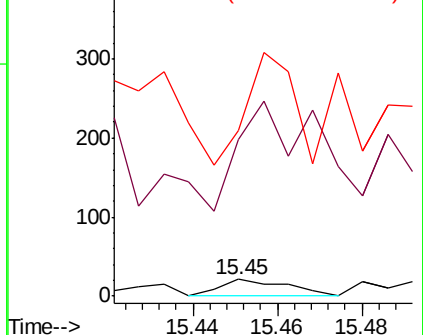
105 1000.0 19.9 59.9#

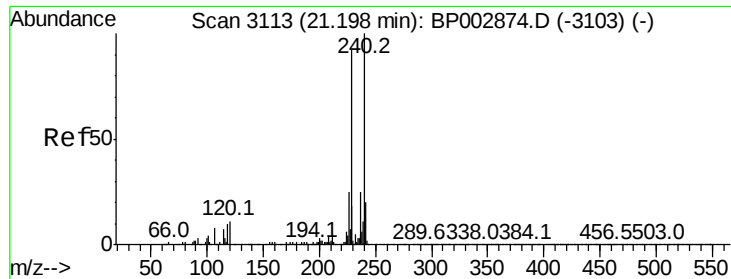


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

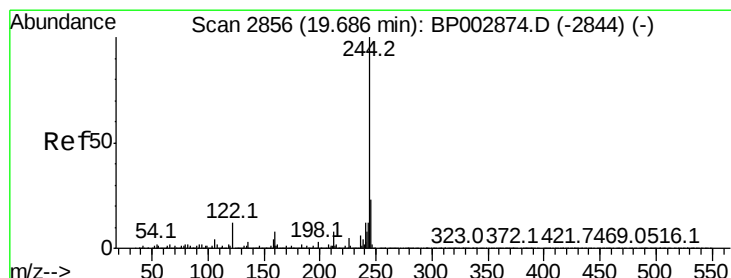
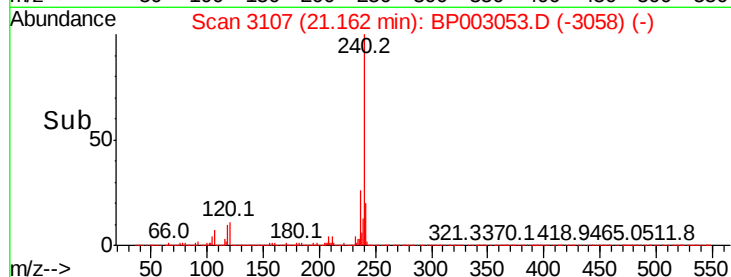
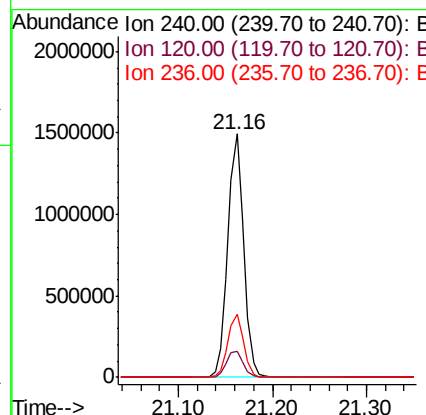
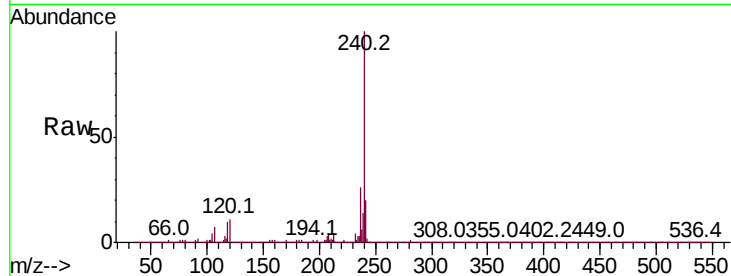




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.16 min Scan# 3107  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

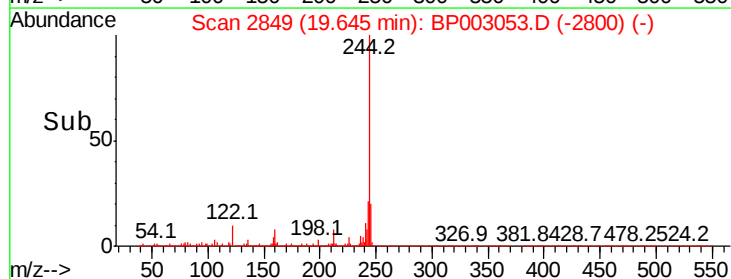
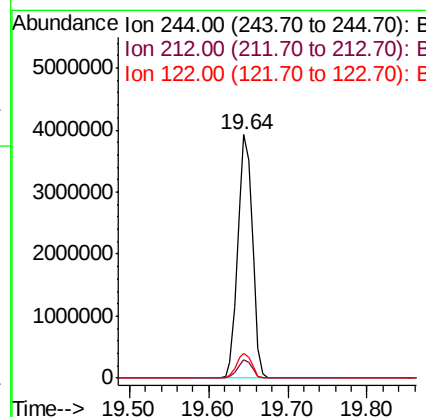
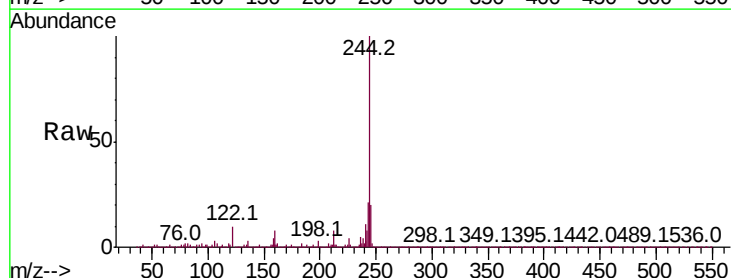
Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

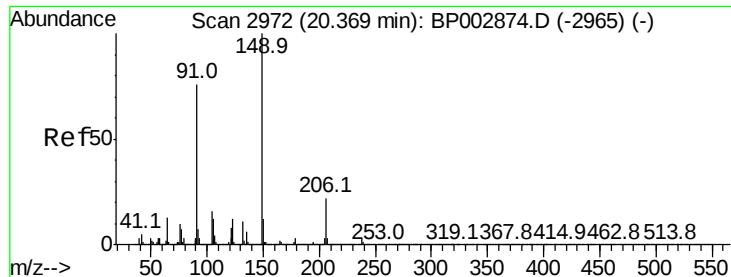
Tot Ion:240 Resp: 1765725  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.5 14.3  
236 25.7 20.8 31.2



#79  
Terphenyl-d14  
Concen: 56.780 ng  
RT: 19.64 min Scan# 2849  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Tgt Ion:244 Resp: 5007987  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.3 9.5  
122 10.2 8.7 13.1

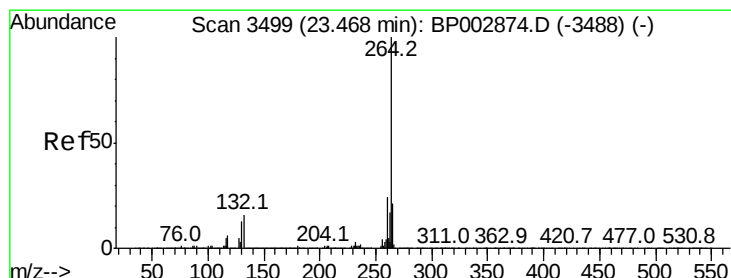
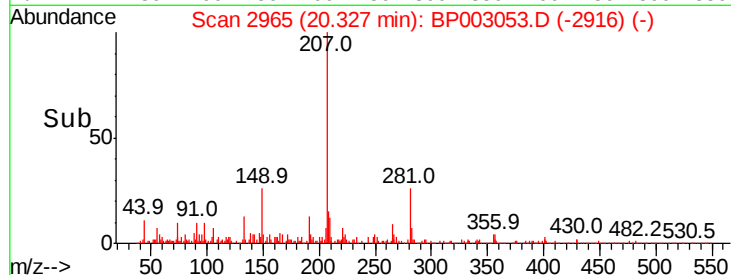
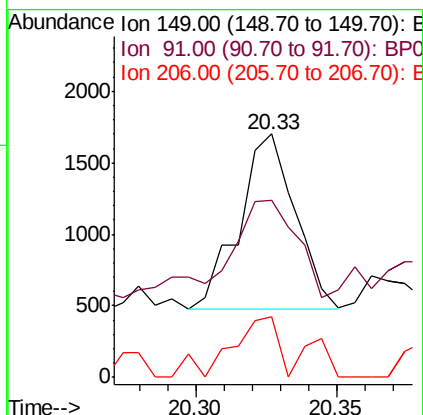
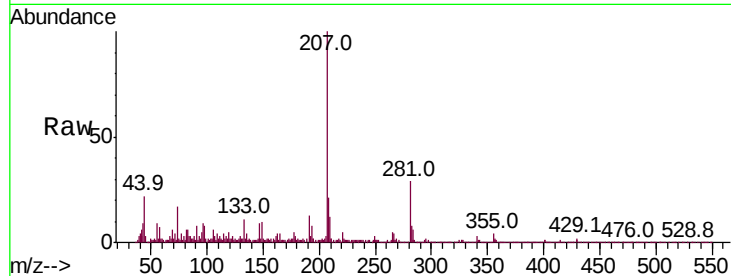




#80  
Butylbenzylphthalate  
Concen: 3.089 ng  
RT: 20.33 min Scan# 2965  
Delta R.T. -0.01 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Instrument :  
BNA\_P  
ClientSampleId :  
20200514-2801-B

Tot Ion:149 Resp: 1694  
Ion Ratio Lower Upper  
149 100  
91 72.7 45.3 67.9#  
206 25.0 17.5 26.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.40 min Scan# 3488  
Delta R.T. -0.02 min  
Lab File: BP003053.D  
Acq: 20 Aug 2020 02:51

Tgt Ion:264 Resp: 1805456  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.2 28.8  
265 21.7 17.3 25.9

