

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\  
 Data File : BP002979.D  
 Acq On : 14 Aug 2020 11:45  
 Operator : CG/JU  
 Sample : PB130933BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB130933BL

Quant Time: Aug 14 14:41:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 11 17:14:14 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 375221   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.47 | 136  | 1441479  | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.33 | 164  | 779941   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.08 | 188  | 1484539  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.17 | 240  | 1327879  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 1414760  | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.30  | 112  | 1810170  | 73.84 | ng    | 0.00     |
| 7) Phenol-d6                | 6.87  | 99   | 2099491  | 61.68 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.83  | 82   | 1211382  | 45.52 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.82 | 330  | 647797   | 66.83 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 3066103  | 53.71 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.66 | 244  | 3357237  | 50.61 | ng    | -0.01    |

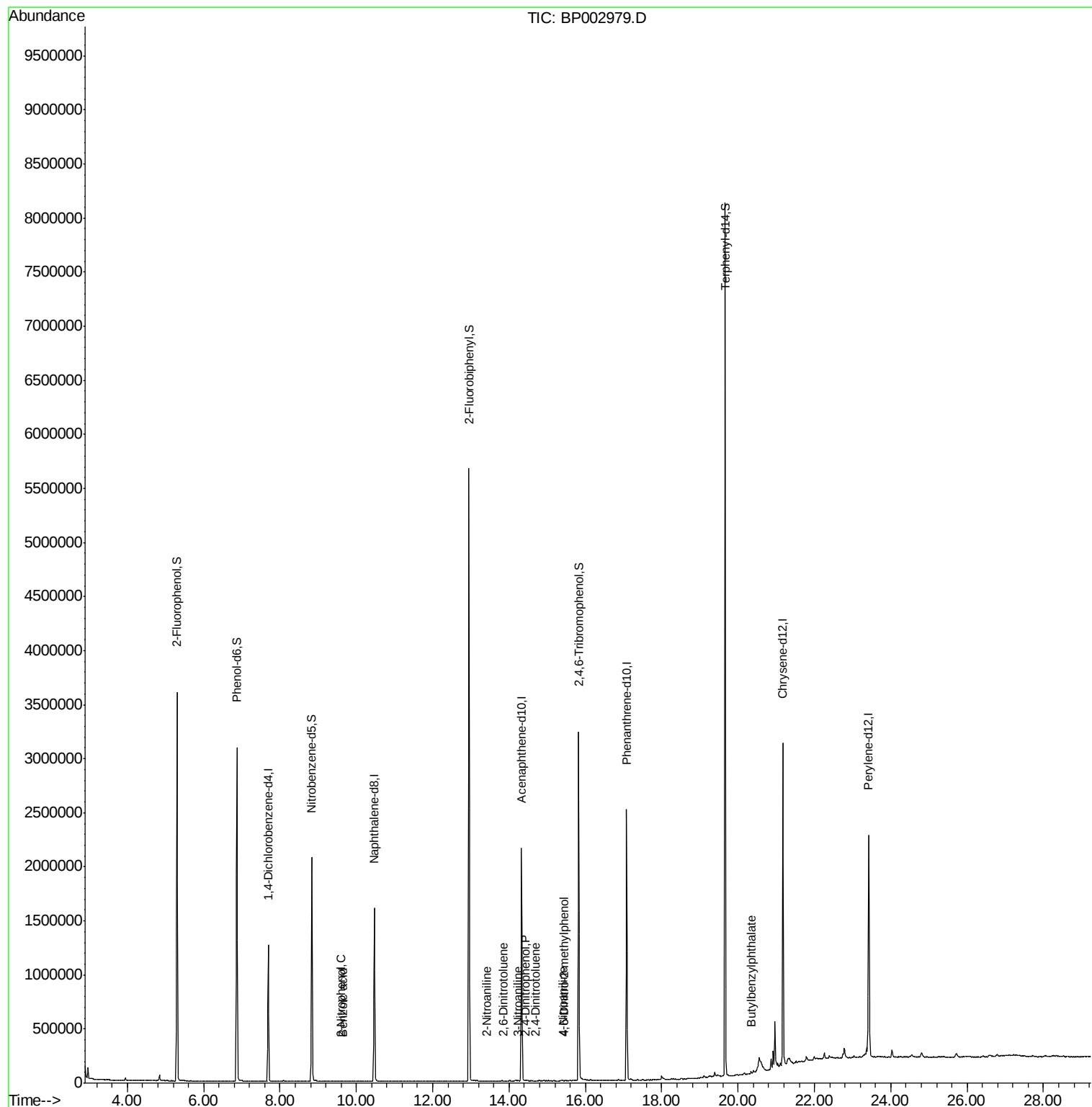
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 26) 2-Nitrophenol              | 9.59  | 139  | 50       | 4.524 | ng    | # 1    |
| 32) Benzoic acid               | 9.63  | 122  | 152      | 7.696 | ng    | 95     |
| 48) 2-Nitroaniline             | 13.41 | 65   | 98       | 3.979 | ng    | # 44   |
| 51) 2,6-Dinitrotoluene         | 13.86 | 165  | 36       | 2.902 | ng    | 98     |
| 53) 3-Nitroaniline             | 14.24 | 138  | 259      | 3.290 | ng    | # 40   |
| 54) 2,4-Dinitrophenol          | 14.44 | 184  | 17       | 8.060 | ng    | # 1    |
| 57) 2,4-Dinitrotoluene         | 14.70 | 165  | 205      | 3.816 | ng    | # 52   |
| 62) 4-Nitroaniline             | 15.41 | 138  | 412      | 2.444 | ng    | # 80   |
| 65) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 14       | 6.902 | ng    | # 1    |
| 80) Butylbenzylphthalate       | 20.34 | 149  | 8041     | 3.257 | ng    | # 95   |

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

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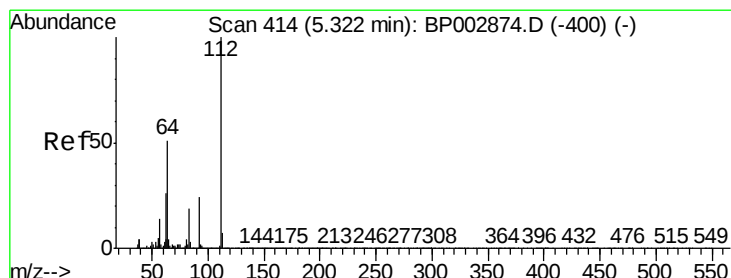
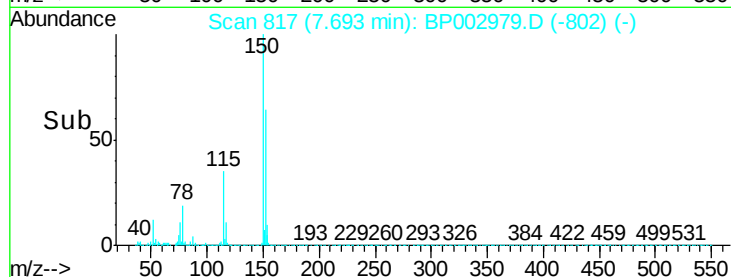
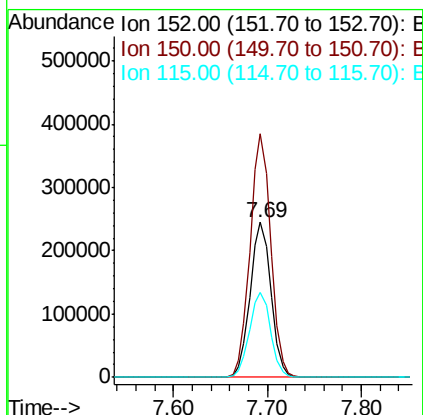
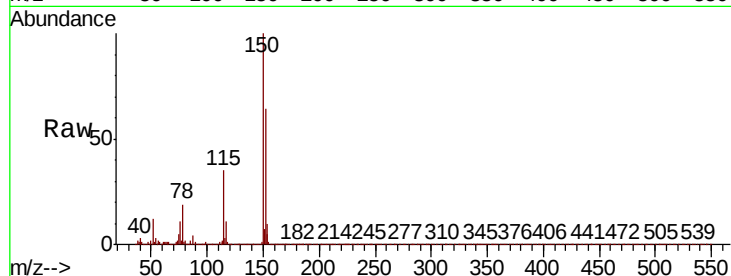


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

Instrument :  
BNA\_P  
ClientSampleId :  
PB130933BL

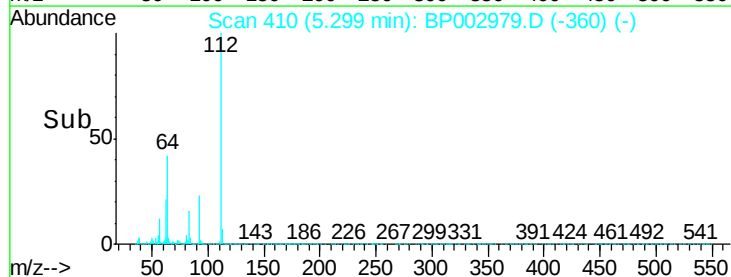
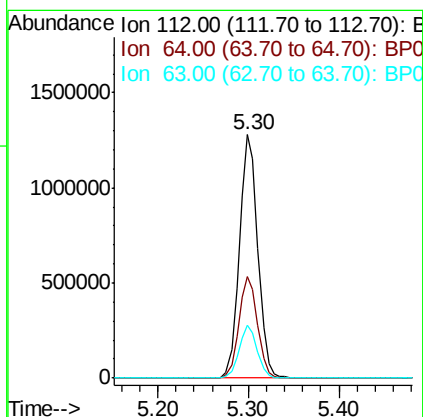
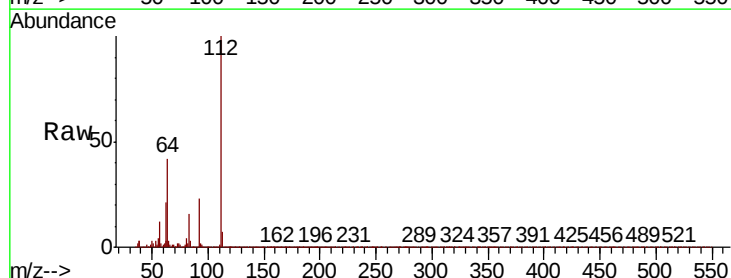
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.2 | 186.4 |
| 115     | 55.2  | 42.1  | 63.1  |

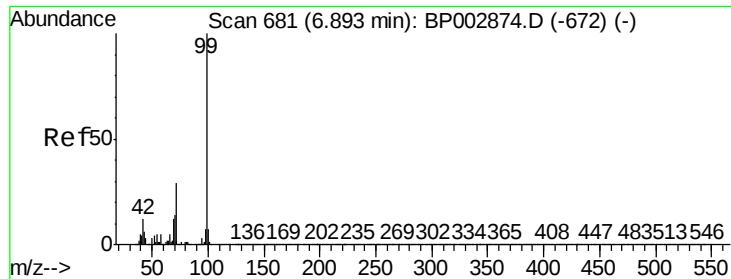


#5

2-Fluorophenol  
Concen: 73.835 ng  
RT: 5.30 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 41.9  | 33.8  | 50.8  |
| 63      | 21.5  | 17.2  | 25.8  |





#7

Phenol-d6

Concen: 61.681 ng

RT: 6.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BP002979.D

Acq: 14 Aug 2020 11:45

Instrument :

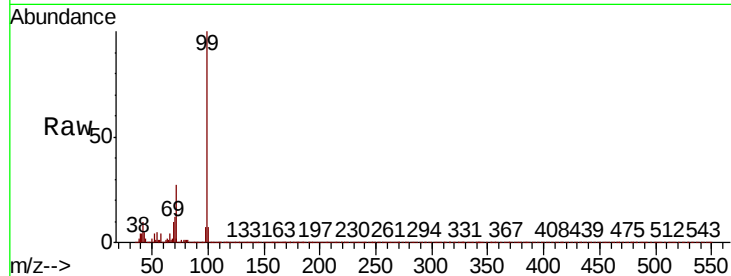
BNA\_P

ClientSampleId :

PB130933BL

Tot Ion: 99 Resp: 2099491

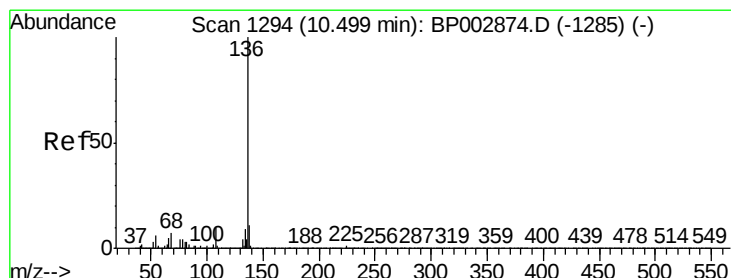
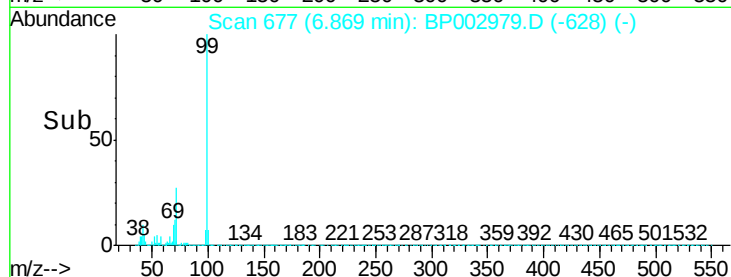
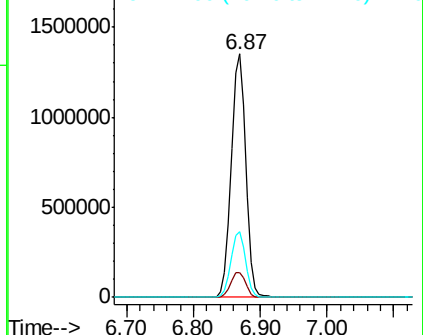
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.4  | 8.1   | 12.1  |
| 71  | 27.1  | 21.0  | 31.4  |



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: 10.47 min Scan# 1289

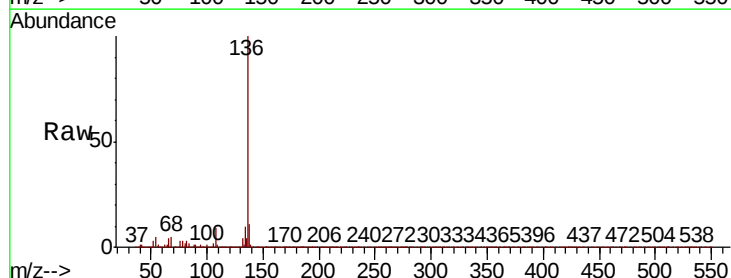
Delta R.T. -0.01 min

Lab File: BP002979.D

Acq: 14 Aug 2020 11:45

Tgt Ion: 136 Resp: 1441479

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.0   | 13.4  |
| 54  | 4.8   | 3.9   | 5.9   |
| 68  | 4.8   | 3.8   | 5.8   |

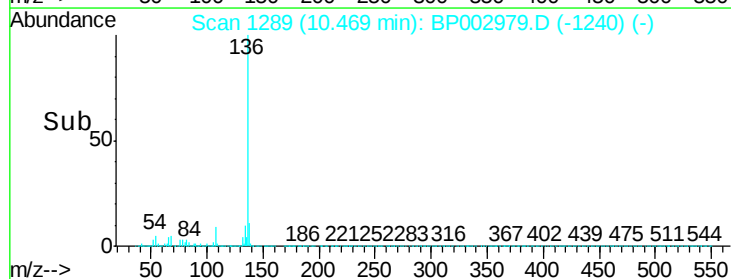
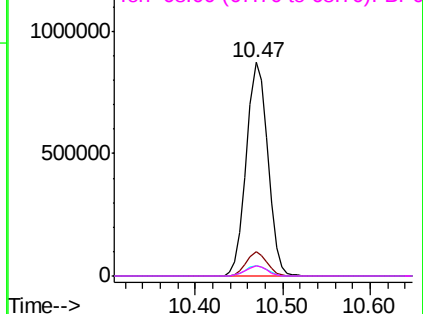


Abundance Ion 136.00 (135.70 to 136.70): E

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

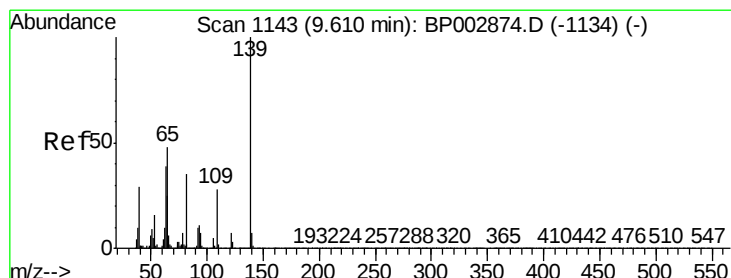
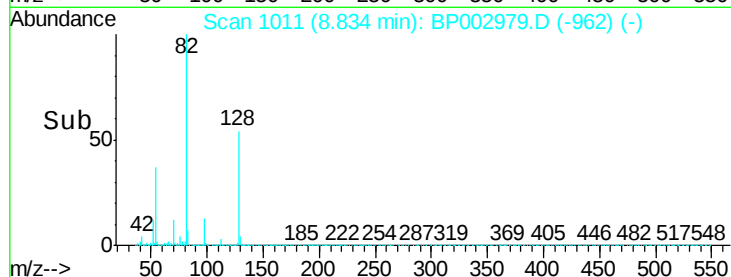
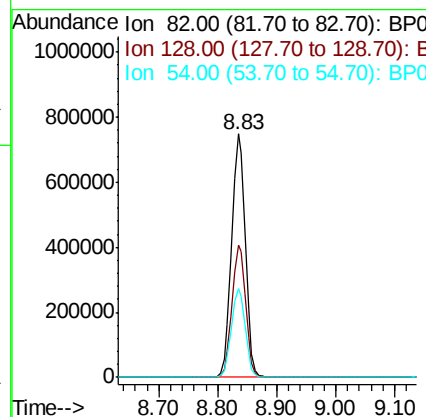
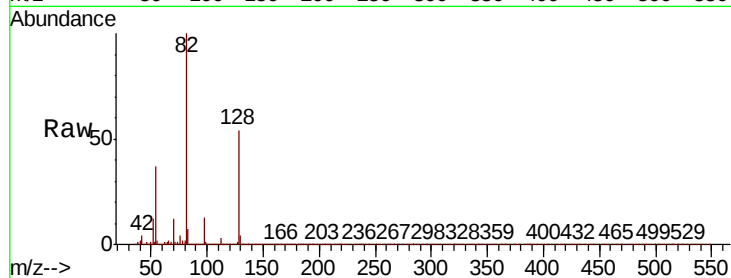




#23  
 Nitrobenzene-d5  
 Concen: 45.517 ng  
 RT: 8.83 min Scan# 1011  
 Delta R.T. -0.01 min  
 Lab File: BP002979.D  
 Acq: 14 Aug 2020 11:45

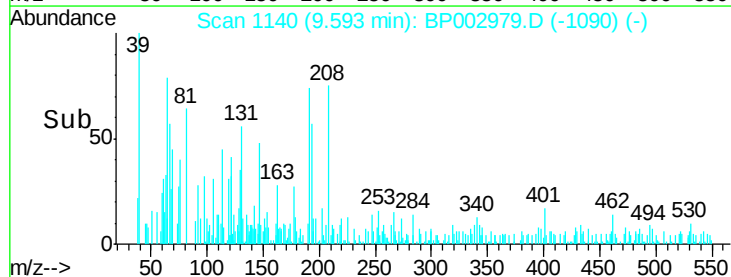
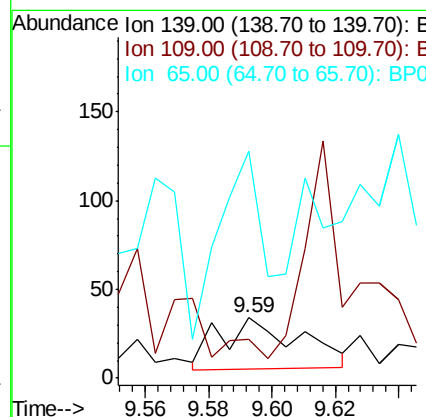
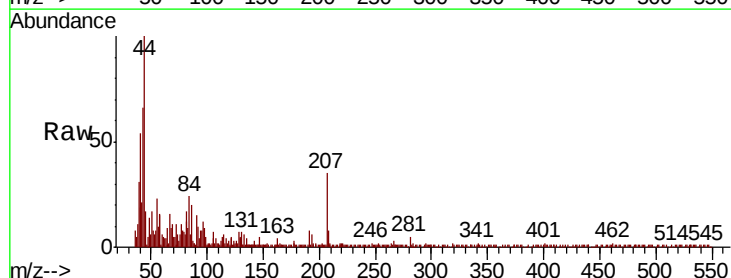
Instrument :  
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 PB130933BL

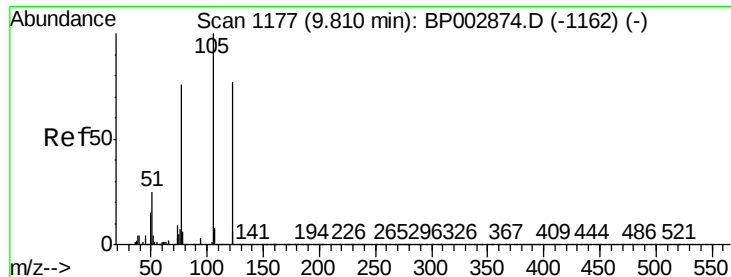
Tot Ion: 82 Resp: 1211382  
 Ion Ratio Lower Upper  
 82 100  
 128 54.3 44.6 66.8  
 54 36.6 29.2 43.8



#26  
 2-Nitrophenol  
 Concen: 4.524 ng  
 RT: 9.59 min Scan# 1140  
 Delta R.T. -0.01 min  
 Lab File: BP002979.D  
 Acq: 14 Aug 2020 11:45

Tgt Ion: 139 Resp: 50  
 Ion Ratio Lower Upper  
 139 100  
 109 129.4 19.5 29.3#  
 65 376.5 26.6 40.0#

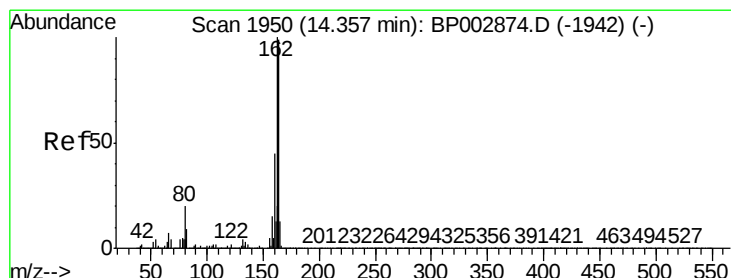
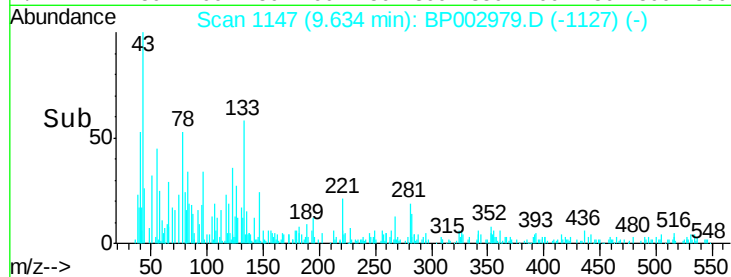
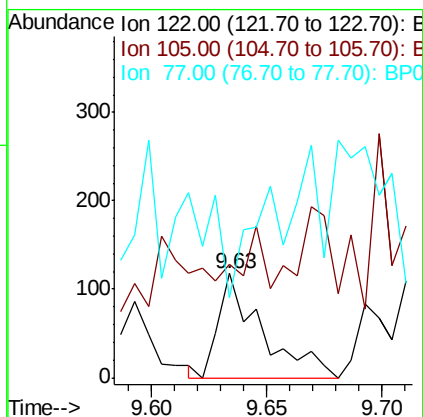
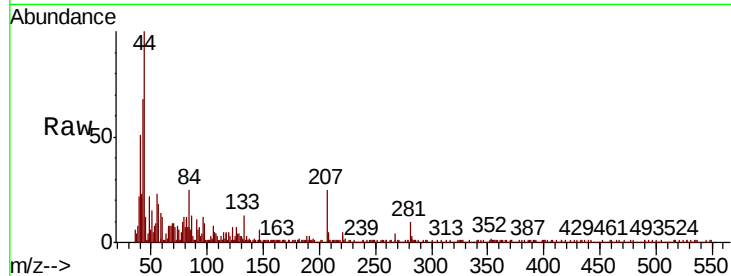




#32  
Benzoic acid  
Concen: 7.696 ng  
RT: 9.63 min Scan# 1147  
Delta R.T. -0.18 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

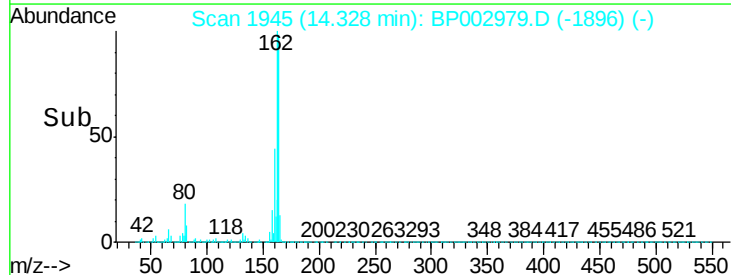
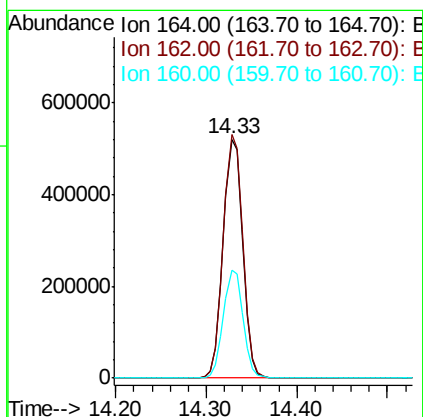
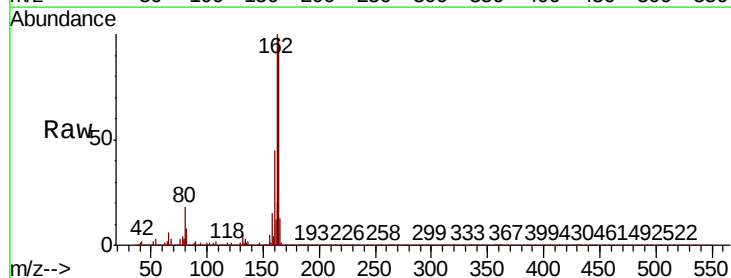
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ClientSampleId :  
PB130933BL

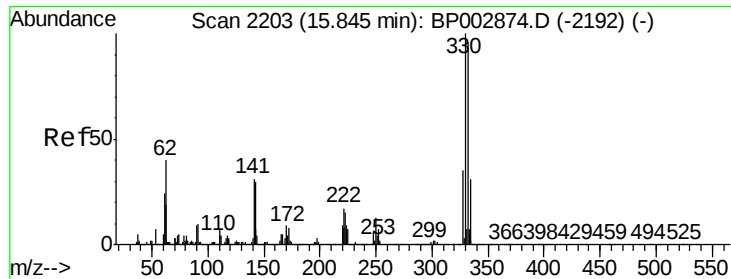
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 108.5 | 95.8  | 135.8 |
| 77      | 77.1  | 54.7  | 94.7  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.33 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.0 | 81.0  | 121.4 |
| 160     | 45.4  | 36.2  | 54.4  |

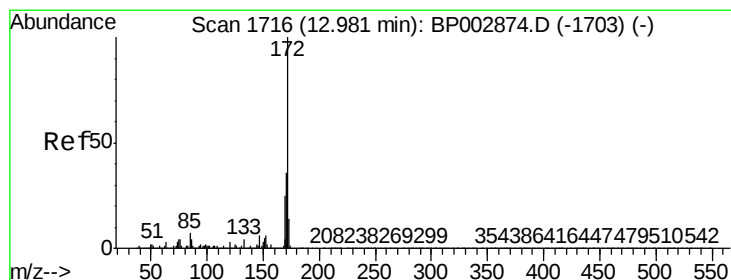
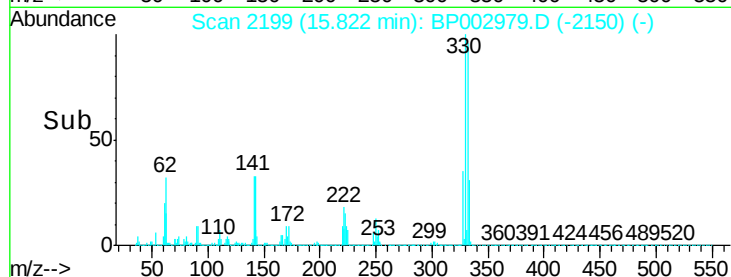
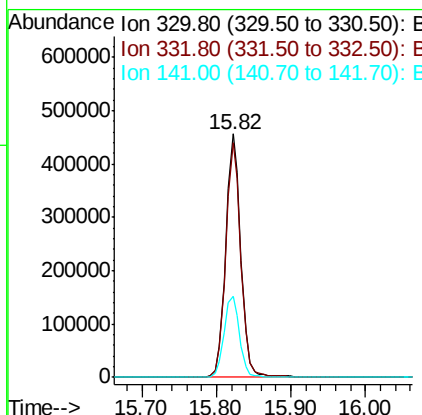
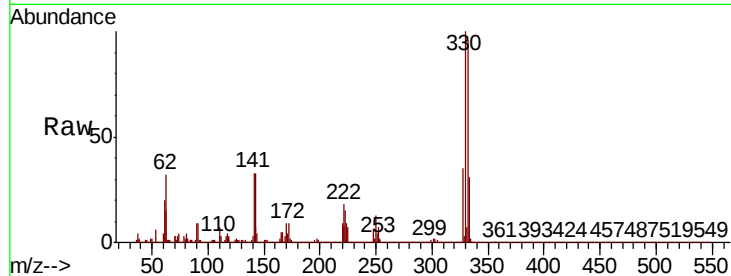




#42  
2,4,6-Tribromophenol  
Concen: 66.826 ng  
RT: 15.82 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

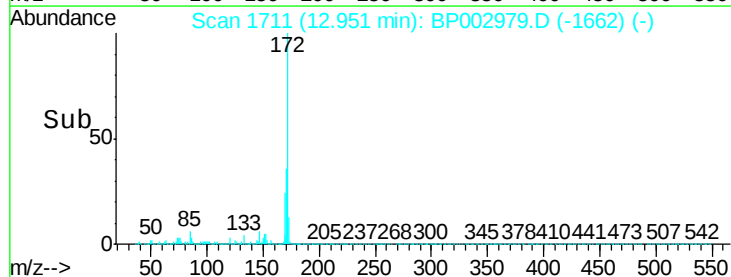
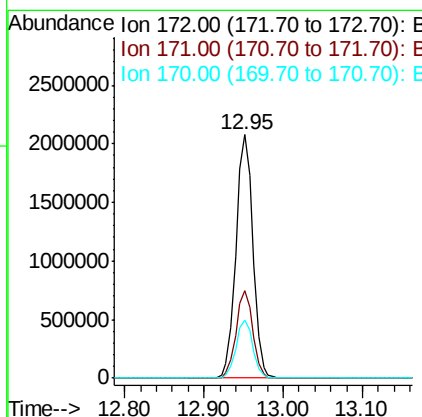
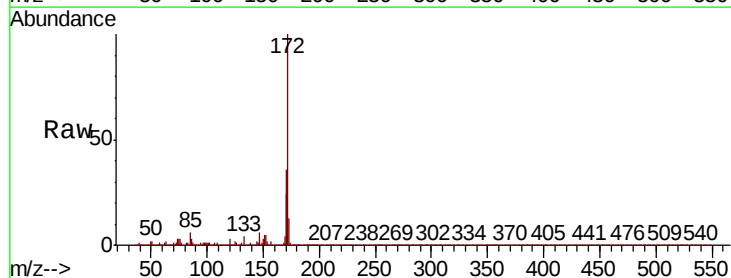
Instrument :  
BNA\_P  
ClientSampleId :  
PB130933BL

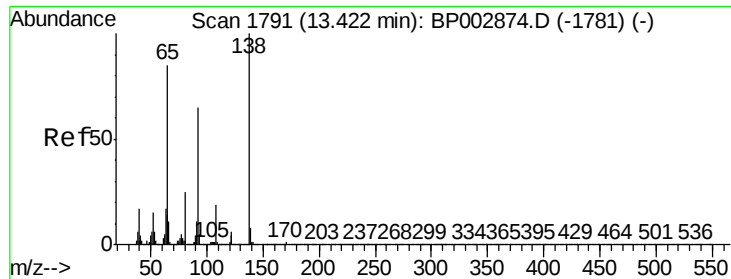
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.4 |
| 141     | 34.4  | 28.6  | 43.0  |



#45  
2-Fluorobiphenyl  
Concen: 53.712 ng  
RT: 12.95 min Scan# 1711  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.6  | 44.4  |
| 170     | 23.7  | 19.6  | 29.4  |

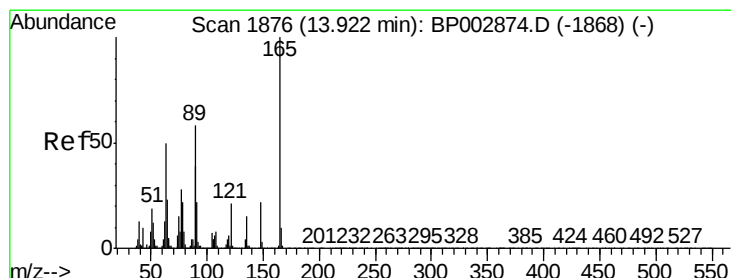
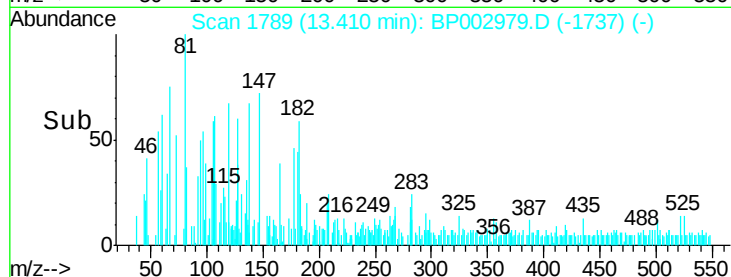
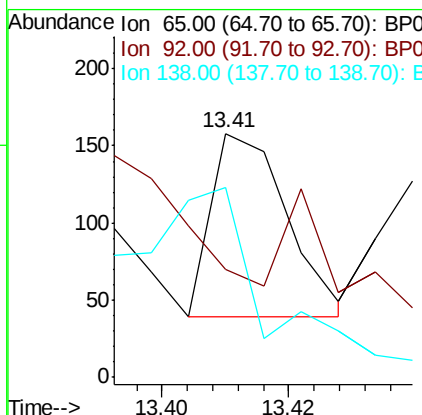
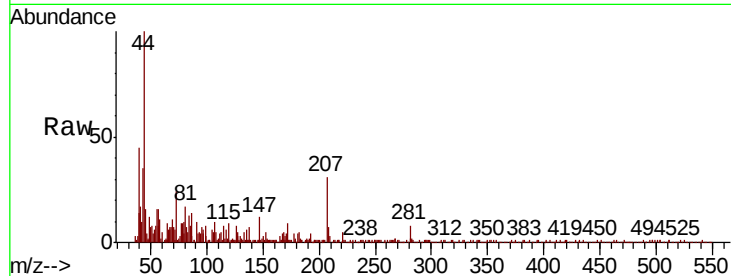




#48  
2-Nitroaniline  
Concen: 3.979 ng  
RT: 13.41 min Scan# 1789  
Delta R.T. 0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

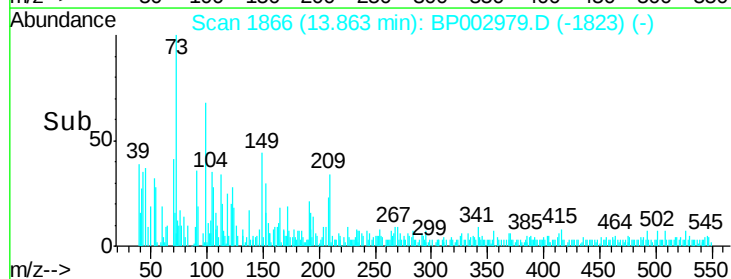
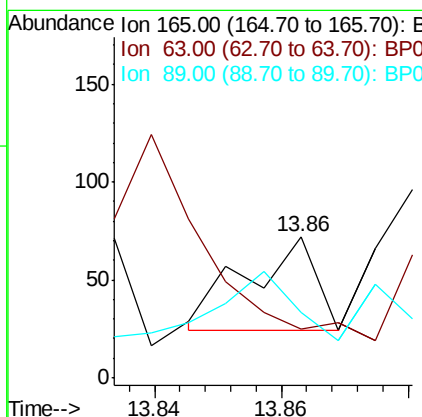
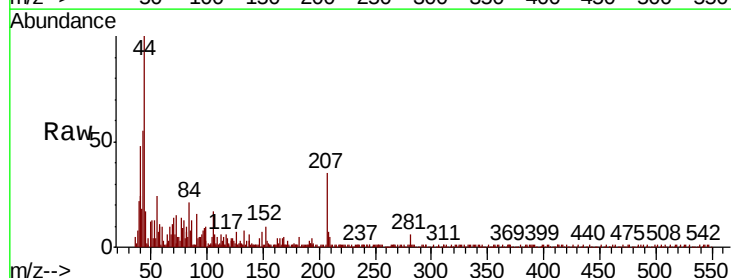
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BNA\_P  
ClientSampleId :  
PB130933BL

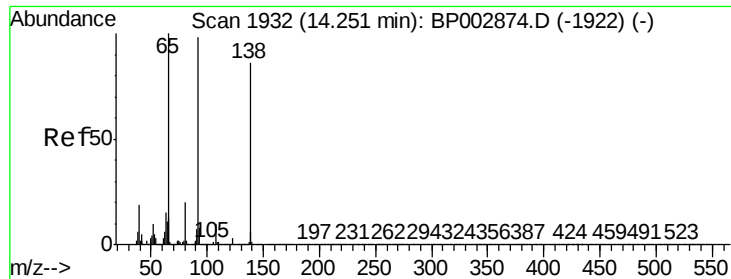
Tot Ion: 65 Resp: 98  
Ion Ratio Lower Upper  
65 100  
92 44.3 69.6 104.4#  
138 77.8 125.6 188.4#



#51  
2,6-Dinitrotoluene  
Concen: 2.902 ng  
RT: 13.86 min Scan# 1866  
Delta R.T. -0.05 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

Tgt Ion: 165 Resp: 36  
Ion Ratio Lower Upper  
165 100  
63 34.7 27.5 41.3  
89 45.8 35.3 52.9





#53

3-Nitroaniline

Concen: 3.290 ng

RT: 14.24 min Scan# 1930

Delta R.T. 0.01 min

Lab File: BP002979.D

Acq: 14 Aug 2020 11:45

Instrument :

BNA\_P

ClientSampleId :

PB130933BL

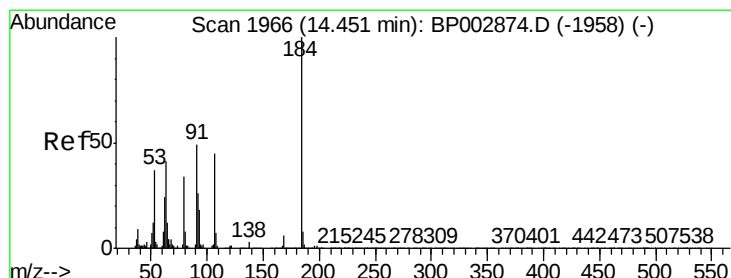
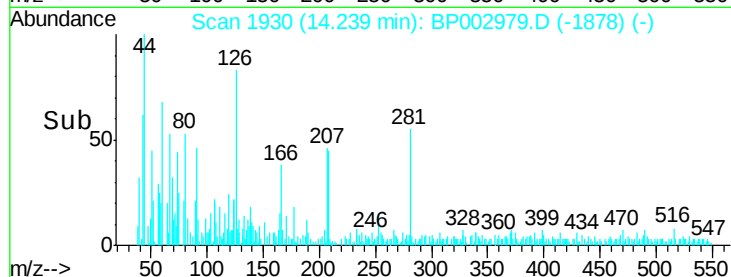
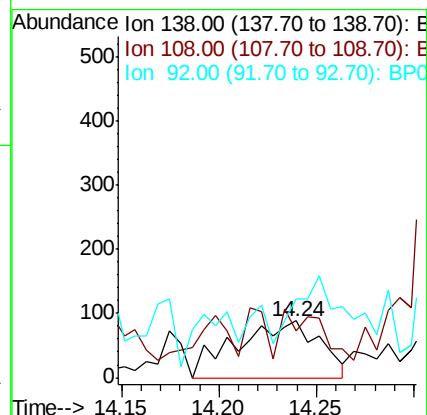
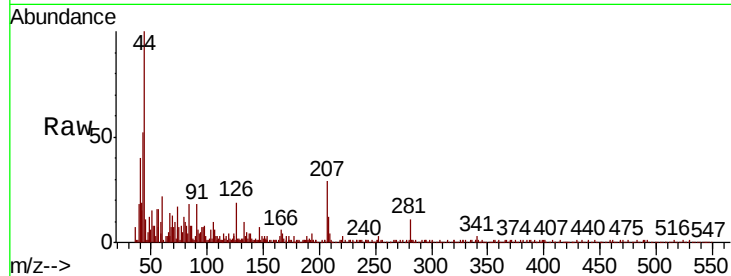
Tot Ion:138 Resp: 259

Ion Ratio Lower Upper

138 100

108 83.0 7.2 10.8#

92 139.8 75.8 113.6#



#54

2,4-Dinitrophenol

Concen: 8.060 ng

RT: 14.44 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BP002979.D

Acq: 14 Aug 2020 11:45

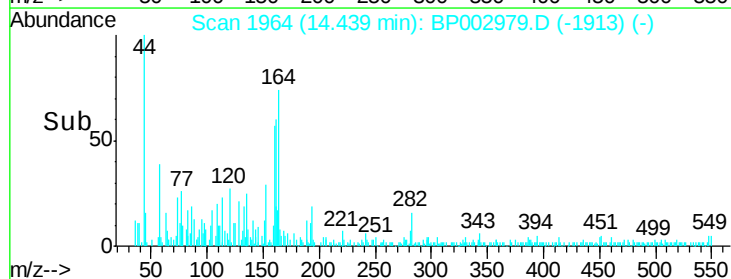
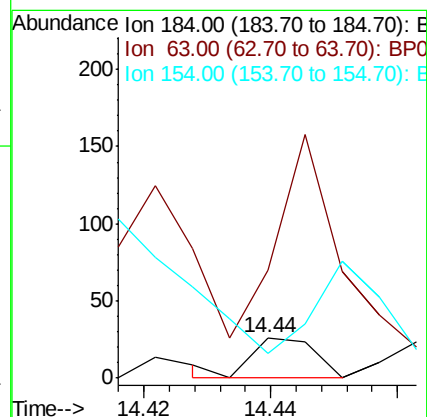
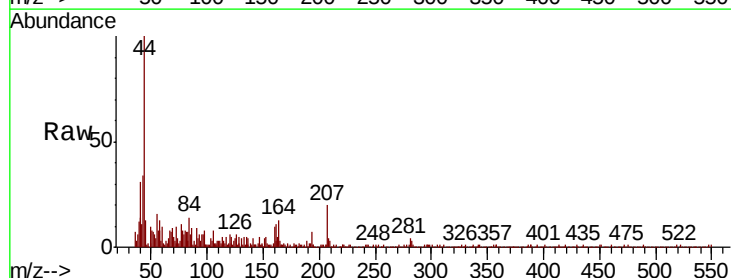
Tgt Ion:184 Resp: 17

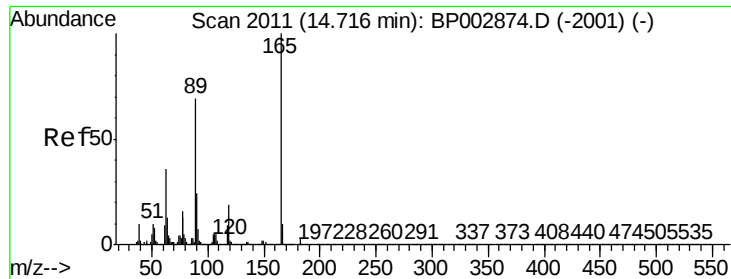
Ion Ratio Lower Upper

184 100

63 269.2 36.4 54.6#

154 88.5 46.6 69.8#

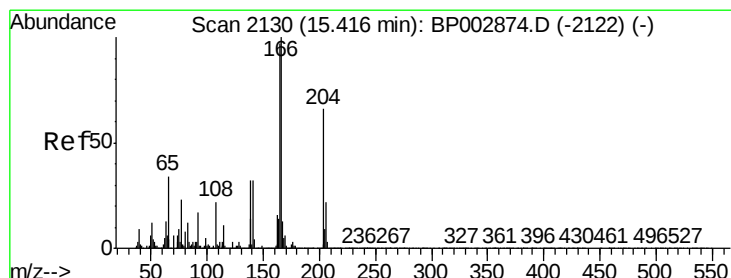
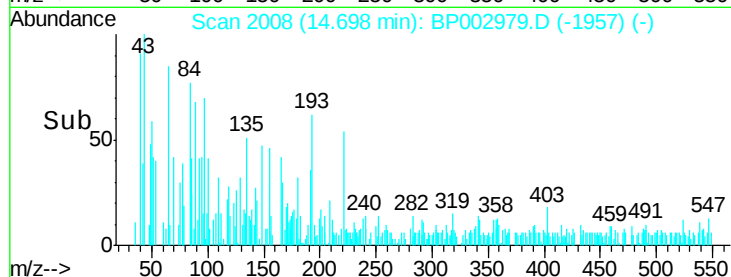
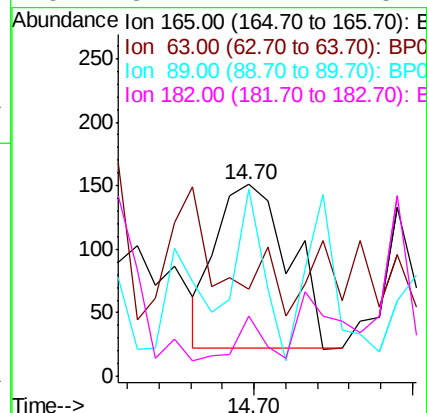
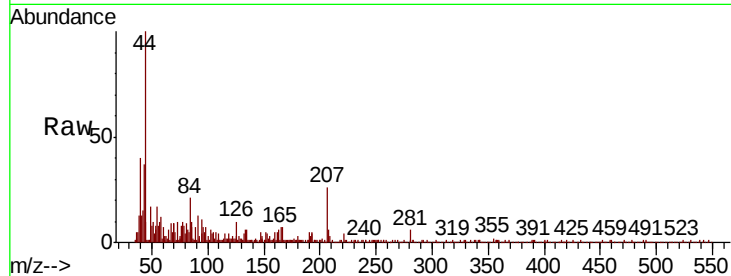




#57  
2,4-Dinitrotoluene  
Concen: 3.816 ng  
RT: 14.70 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

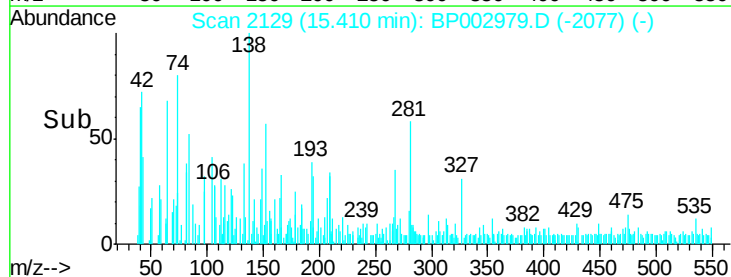
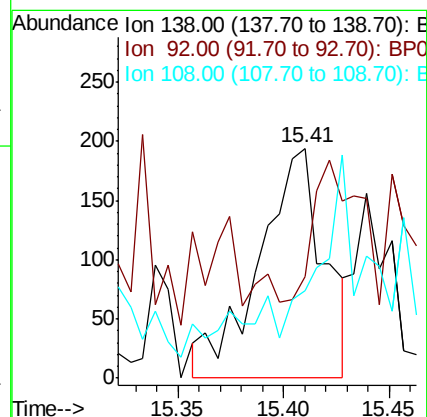
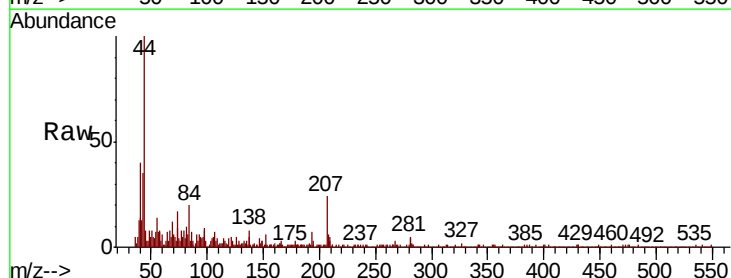
Instrument :  
BNA\_P  
ClientSampleId :  
PB130933BL

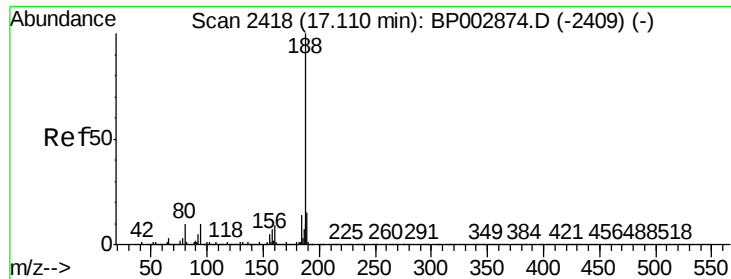
Tot Ion:165 Resp: 205  
Ion Ratio Lower Upper  
165 100  
63 45.7 22.6 34.0#  
89 97.4 46.2 69.2#  
182 31.1 2.2 3.4#



#62  
4-Nitroaniline  
Concen: 2.444 ng  
RT: 15.41 min Scan# 2129  
Delta R.T. 0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

Tgt Ion:138 Resp: 412  
Ion Ratio Lower Upper  
138 100  
92 44.3 21.2 61.2  
108 38.1 40.5 80.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP002979.D

Acq: 14 Aug 2020 11:45

Instrument :

BNA\_P

ClientSampleId :

PB130933BL

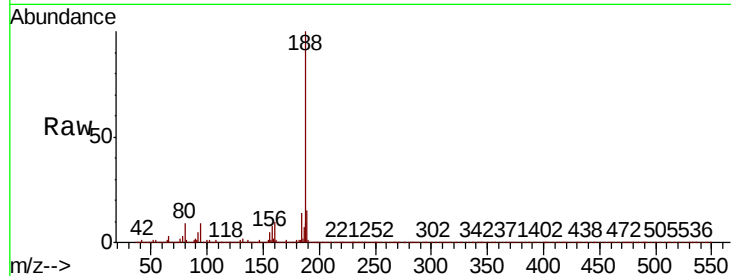
Tot Ion:188 Resp: 1484539

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

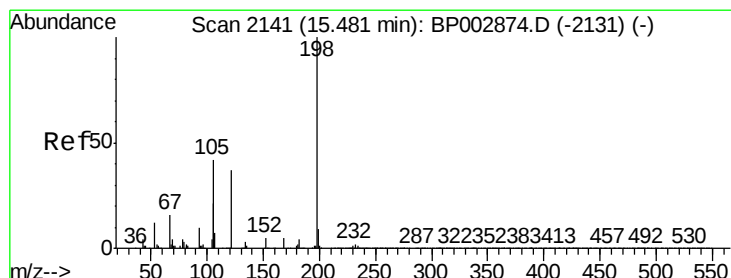
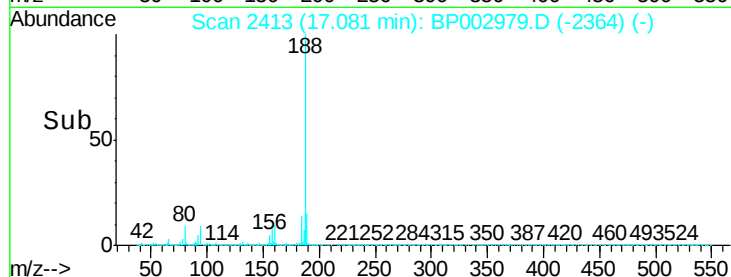
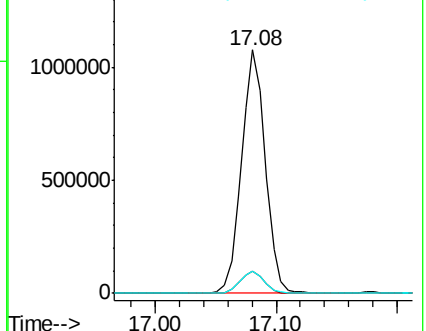
80 8.9 7.0 10.6



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# 2135

Delta R.T. -0.02 min

Lab File: BP002979.D

Acq: 14 Aug 2020 11:45

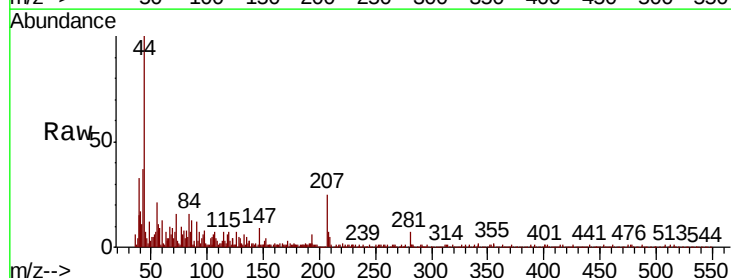
Tgt Ion:198 Resp: 14

Ion Ratio Lower Upper

198 100

51 800.0 6.5 46.5#

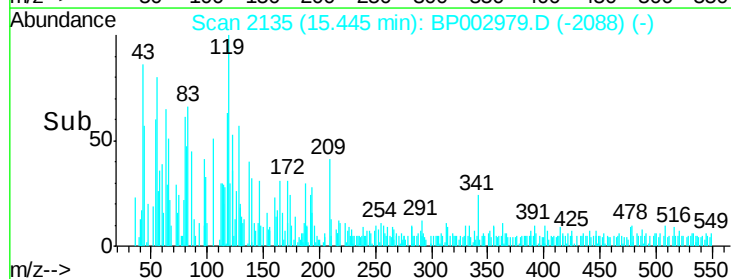
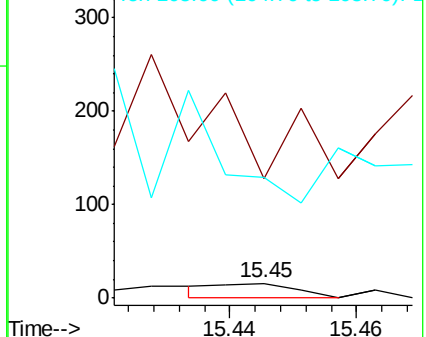
105 806.3 20.4 60.4#

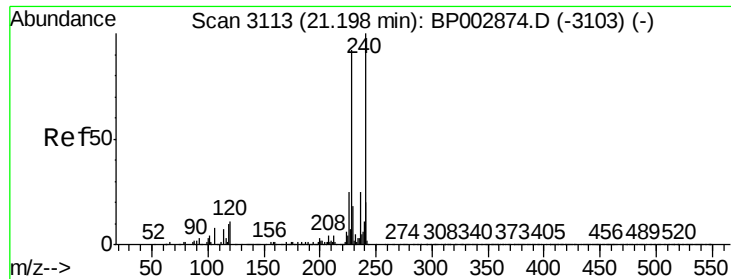


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

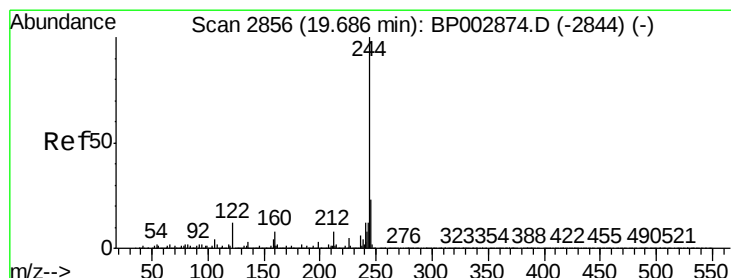
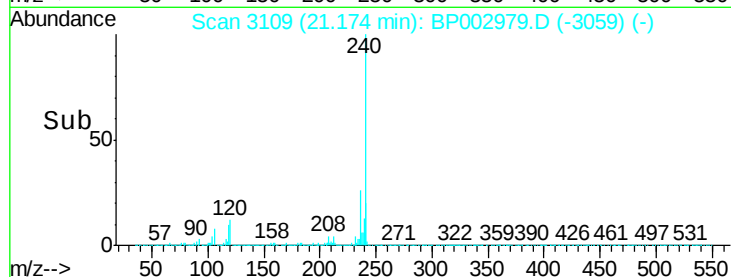
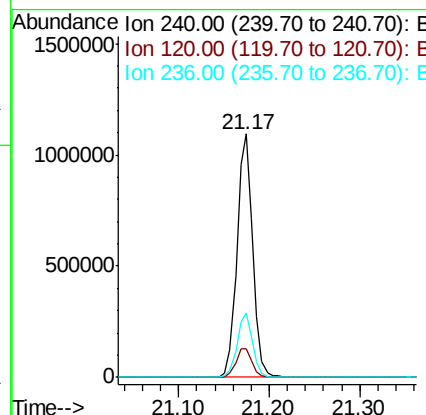
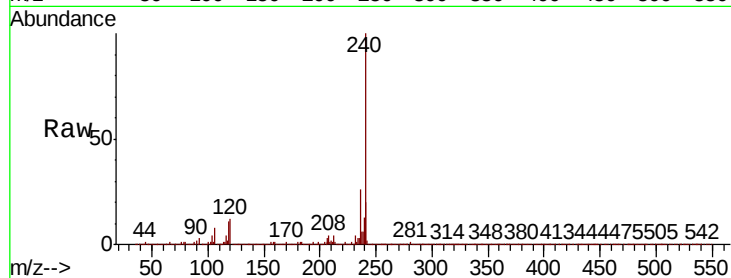




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3109  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

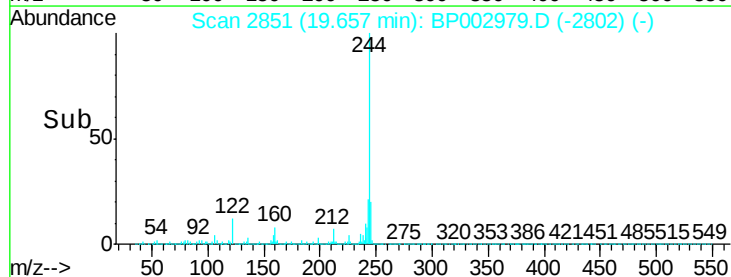
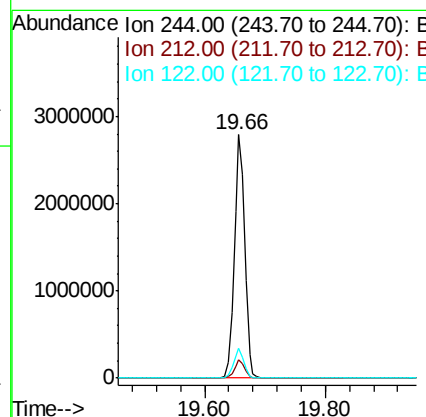
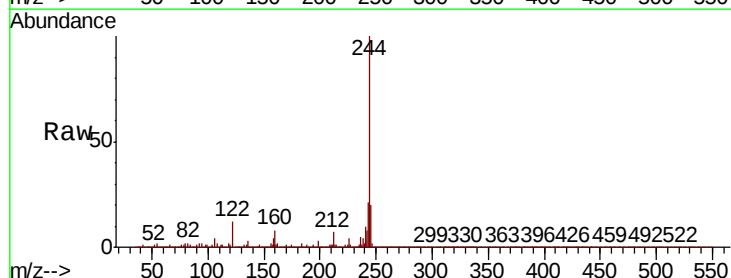
Instrument :  
BNA\_P  
ClientSampleId :  
PB130933BL

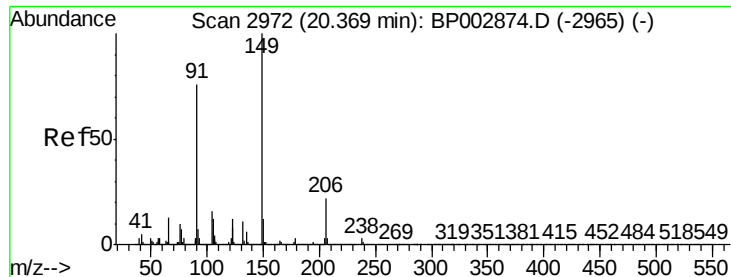
Tot Ion:240 Resp: 1327879  
Ion Ratio Lower Upper  
240 100  
120 12.0 10.6 16.0  
236 26.3 20.7 31.1



#79  
Terphenyl-d14  
Concen: 50.615 ng  
RT: 19.66 min Scan# 2851  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

Tgt Ion:244 Resp: 3357237  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.3 9.5  
122 12.1 9.9 14.9

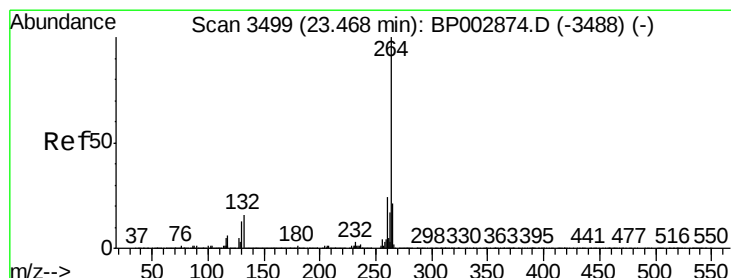
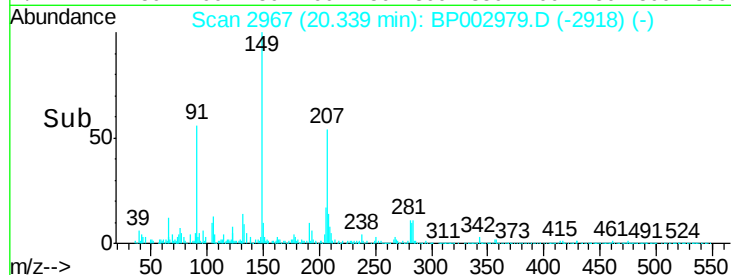
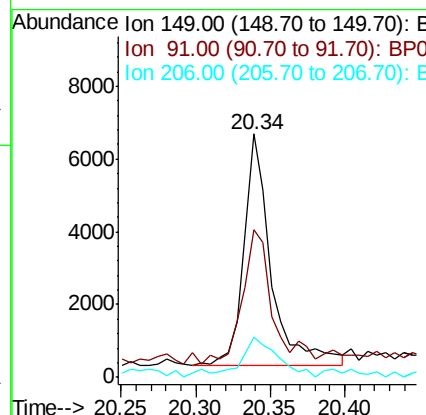
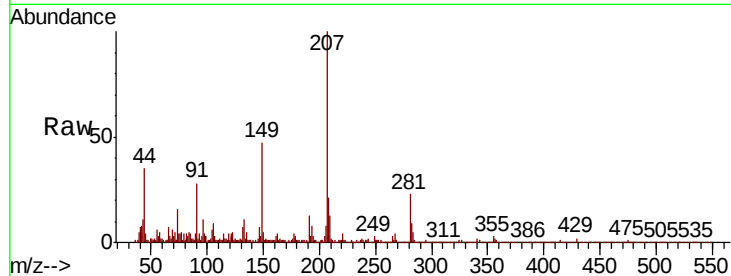




#80  
Butylbenzylphthalate  
Concen: 3.257 ng  
RT: 20.34 min Scan# 2967  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

Instrument :  
BNA\_P  
ClientSampleId :  
PB130933BL

Tot Ion:149 Resp: 8041  
Ion Ratio Lower Upper  
149 100  
91 60.6 46.5 69.7  
206 16.5 17.2 25.8#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.42 min Scan# 3491  
Delta R.T. -0.01 min  
Lab File: BP002979.D  
Acq: 14 Aug 2020 11:45

Tgt Ion:264 Resp: 1414760  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.7 28.1  
265 21.7 17.6 26.4

