

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\  
 Data File : BP001239.D  
 Acq On : 06 Dec 2019 19:52  
 Operator : JU  
 Sample : K6119-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 07 00:40:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 05 12:34:47 2019  
 Response via : Initial Calibration

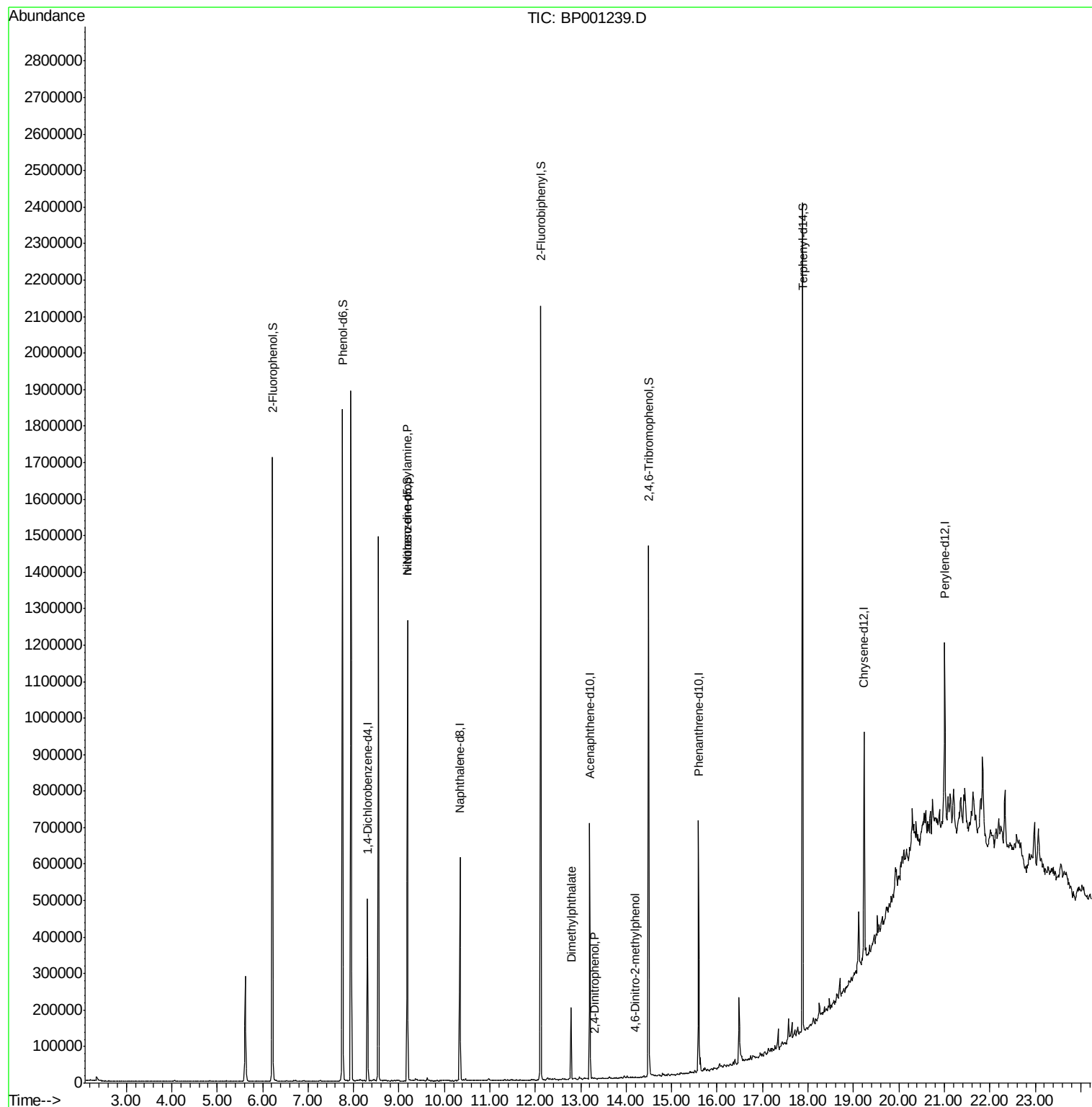
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.30  | 152  | 80094    | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 10.34 | 136  | 297198   | 20.00     | ng     | -0.01    |
| 39) Acenaphthene-d10           | 13.20 | 164  | 168499   | 20.00     | ng     | -0.01    |
| 64) Phenanthrene-d10           | 15.59 | 188  | 312768   | 20.00     | ng     | -0.02    |
| 76) Chrysene-d12               | 19.23 | 240  | 230262   | 20.00     | ng     | -0.02    |
| 87) Perylene-d12               | 21.01 | 264  | 249667   | 20.00     | ng     | -0.02    |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 6.22  | 112  | 511564   | 105.97    | ng     | 0.00     |
| 7) Phenol-d6                   | 7.76  | 99   | 698927   | 108.67    | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 483413   | 70.57     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol       | 14.49 | 330  | 187126   | 115.86    | ng     | -0.01    |
| 45) 2-Fluorobiphenyl           | 12.12 | 172  | 801978   | 69.66     | ng     | -0.01    |
| 79) Terphenyl-d14              | 17.88 | 244  | 860312   | 69.12     | ng     | -0.01    |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 7.60  | 77   | 259      | Below Cal | Qvalue | # 51     |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 70624    | 15.218 ng | #      | 78       |
| 50) Dimethylphthalate          | 12.79 | 163  | 88674    | 7.036 ng  | #      | 99       |
| 54) 2,4-Dinitrophenol          | 13.31 | 184  | 10       | 7.117 ng  | #      | 34       |
| 65) 4,6-Dinitro-2-methylphenol | 14.19 | 198  | 30       | 6.296 ng  | #      | 1        |

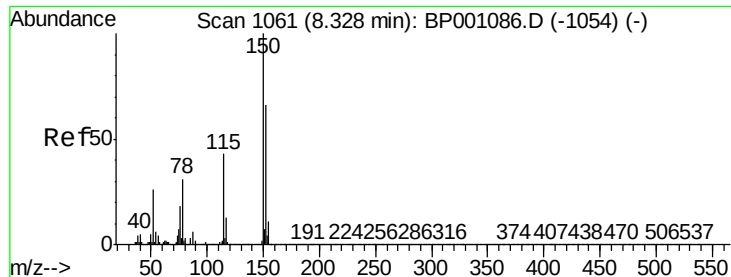
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\  
Data File : BP001239.D  
Acq On : 06 Dec 2019 19:52  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Dec 07 00:40:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 05 12:34:47 2019  
Response via : Initial Calibration

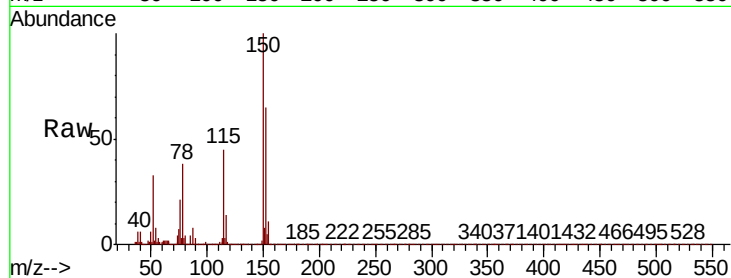




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.30 min Scan# 1057  
 Delta R.T. -0.01 min  
 Lab File: BP001239.D  
 Acq: 06 Dec 2019 19:52

Instrument :  
 BNA\_P  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 127.3 | 190.9 |
| 115     | 68.9  | 56.0  | 84.0  |

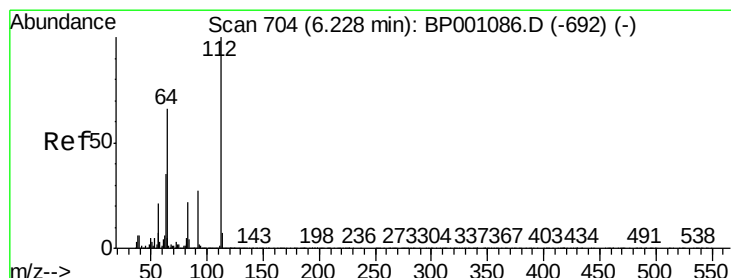
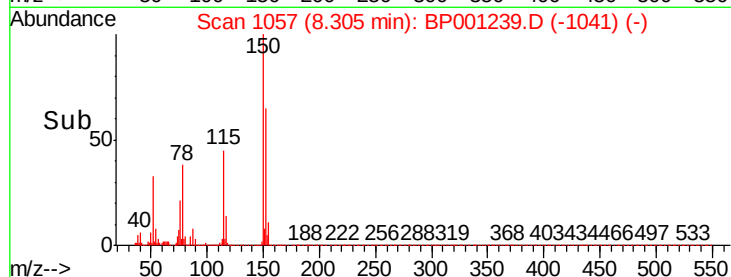
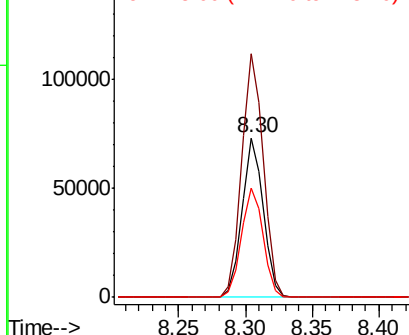


Abundance

Ion 152.00 (151.70 to 152.70): E

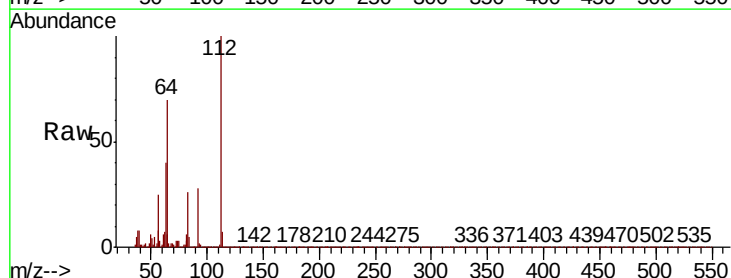
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 105.966 ng  
 RT: 6.22 min Scan# 702  
 Delta R.T. 0.01 min  
 Lab File: BP001239.D  
 Acq: 06 Dec 2019 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.7  | 56.8  | 85.2  |
| 63      | 40.3  | 32.2  | 48.2  |

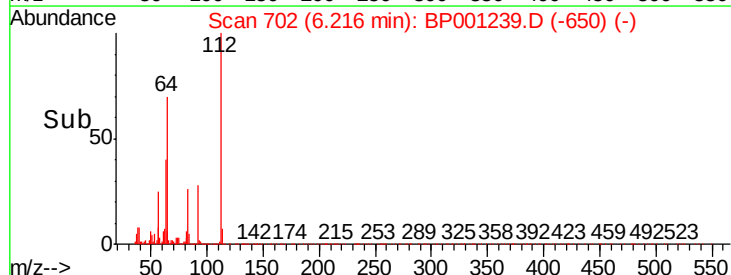
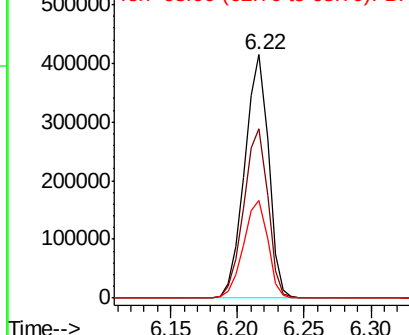


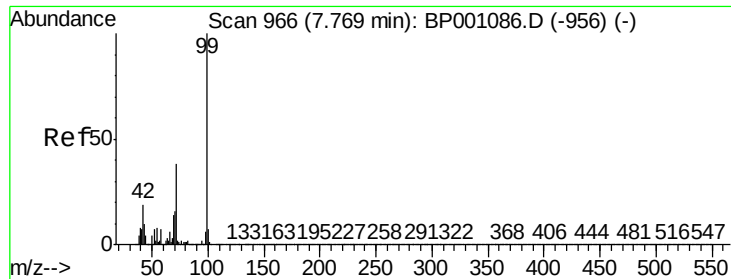
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 108.671 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001239.D

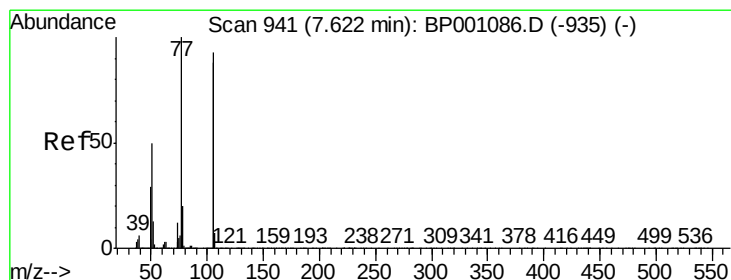
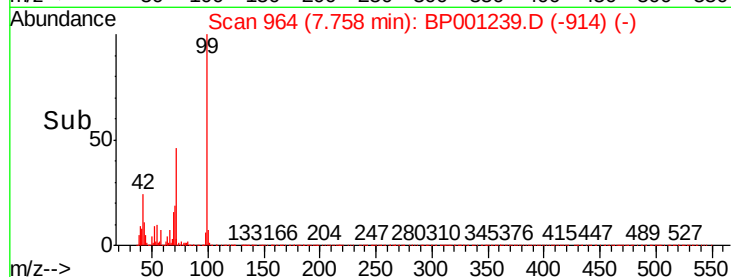
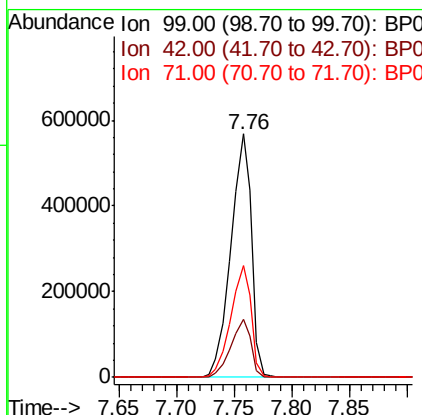
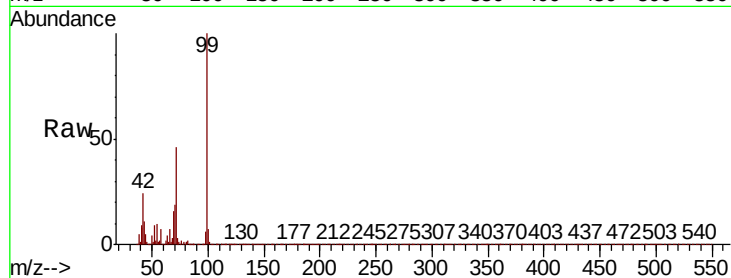
Acq: 06 Dec 2019 19:52

Instrument :

BNA\_P

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 698927 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 23.7  | 17.6  | 26.4   |
| 71       | 46.0  | 33.8  | 50.8   |



#9

Benzaldehyde

Concen: Below Cal

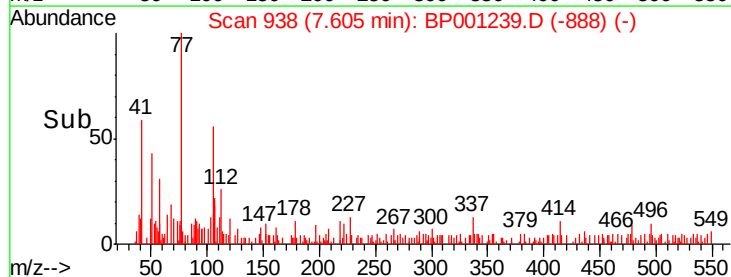
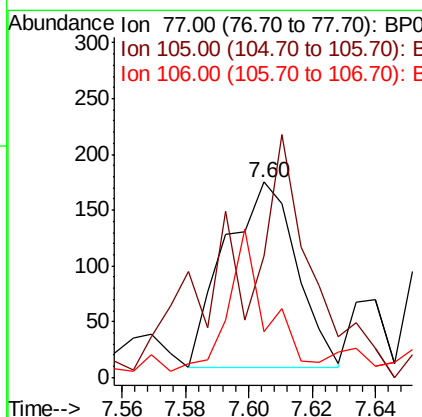
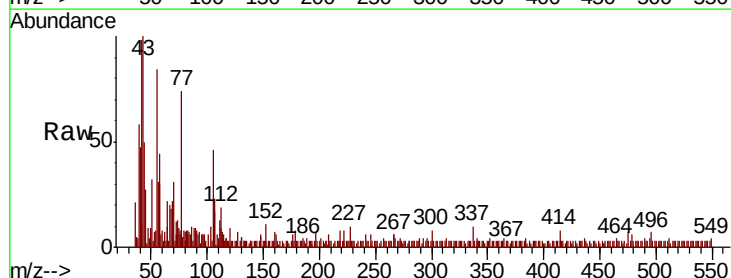
RT: 7.60 min Scan# 938

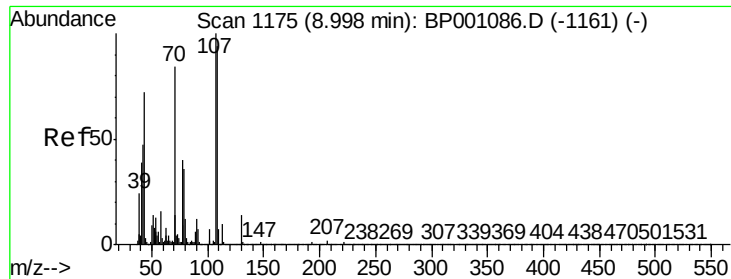
Delta R.T. -0.01 min

Lab File: BP001239.D

Acq: 06 Dec 2019 19:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 259    |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 62.3  | 69.7  | 109.7# |
| 106      | 23.4  | 67.1  | 107.1# |

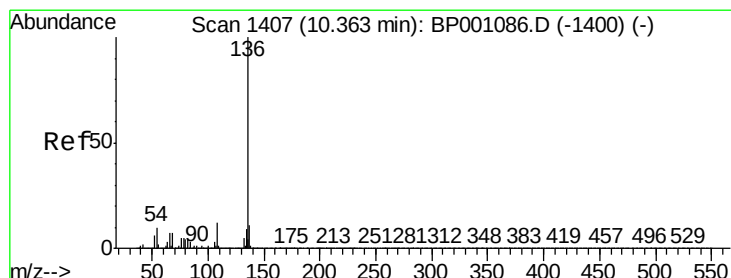
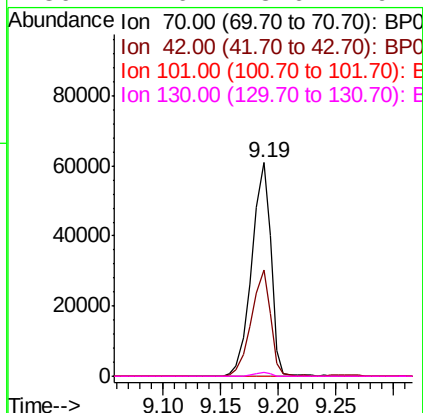
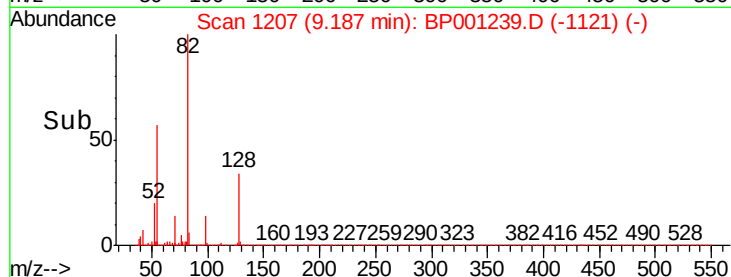
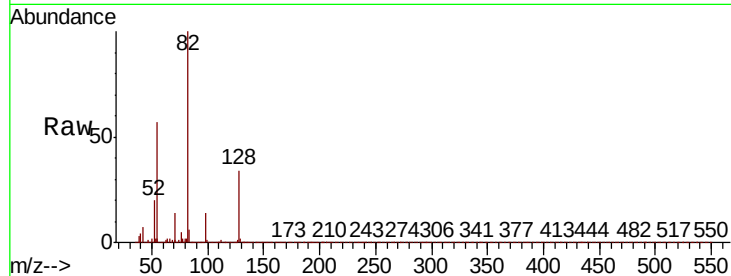




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.218 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. 0.21 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

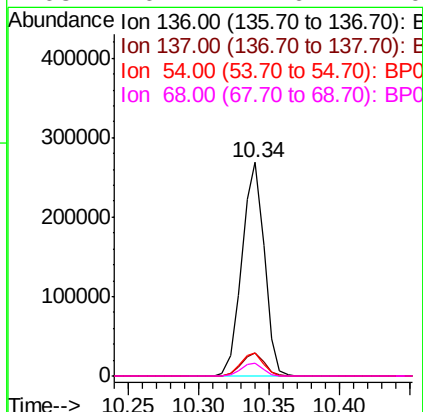
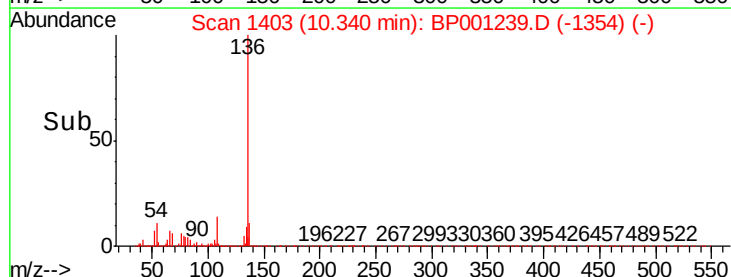
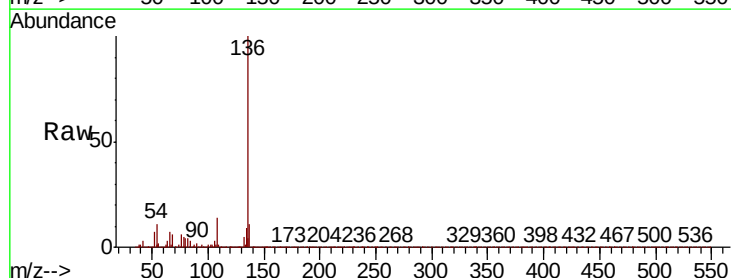
Instrument :  
BNA\_P  
ClientSampleId :

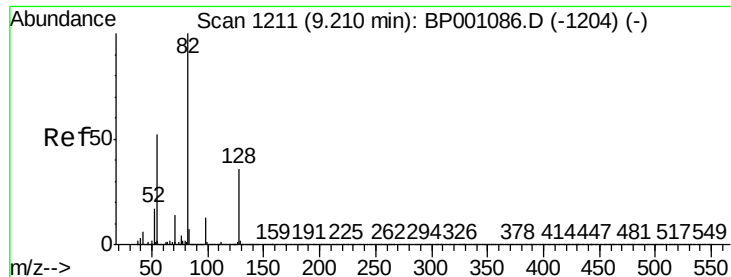
Tot Ion: 70 Resp: 70624  
Ion Ratio Lower Upper  
70 100  
42 49.6 50.6 76.0#  
101 0.0 7.1 10.7#  
130 1.6 13.6 20.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.01 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

Tgt Ion:136 Resp: 297198  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.4 12.6  
54 10.5 7.4 11.0  
68 6.1 4.6 7.0

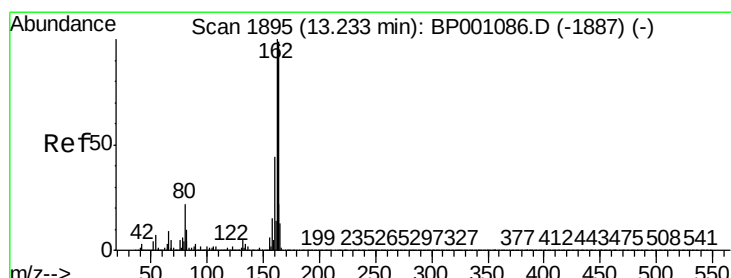
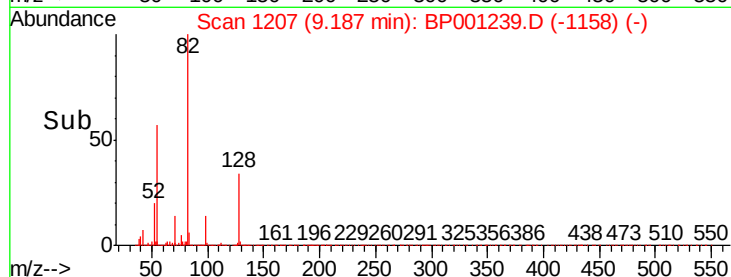
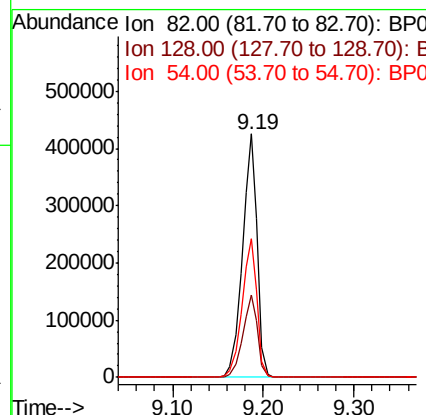
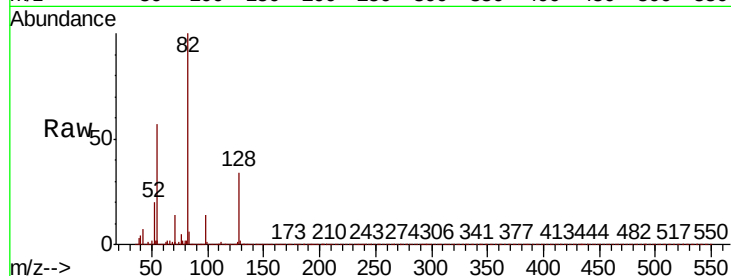




#23  
 Nitrobenzene-d5  
 Concen: 70.570 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.01 min  
 Lab File: BP001239.D  
 Acq: 06 Dec 2019 19:52

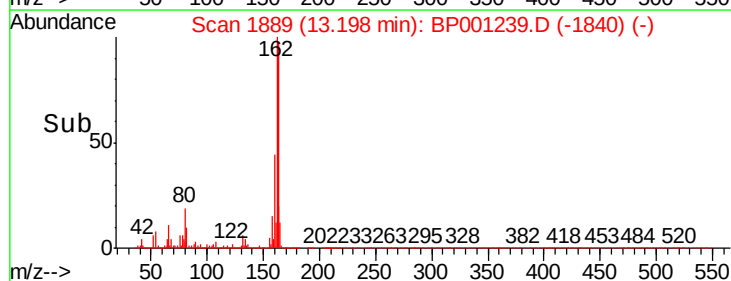
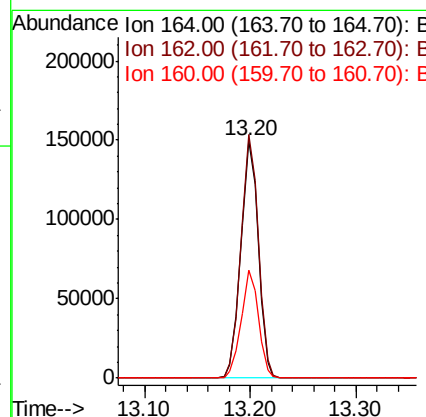
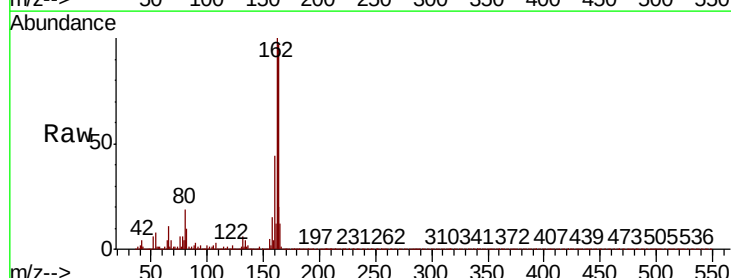
Instrument :  
 BNA\_P  
 ClientSampleId :

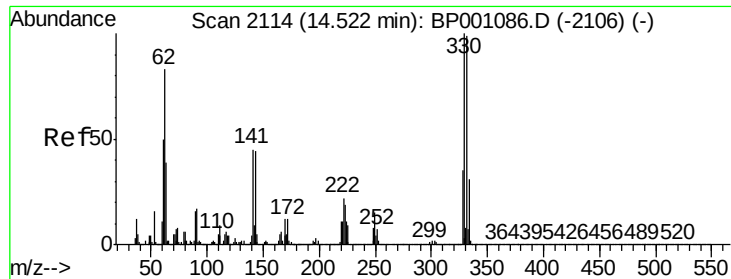
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.8  | 27.5  | 41.3  |
| 54      | 57.1  | 45.7  | 68.5  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 13.20 min Scan# 1889  
 Delta R.T. -0.01 min  
 Lab File: BP001239.D  
 Acq: 06 Dec 2019 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 80.7  | 121.1 |
| 160     | 45.4  | 36.3  | 54.5  |

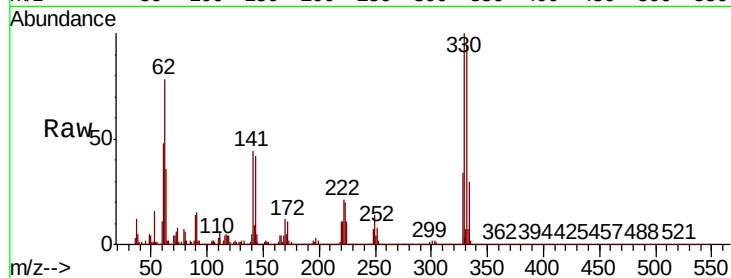




#42  
2,4,6-Tribromophenol  
Concen: 115.863 ng  
RT: 14.49 min Scan# 2109  
Delta R.T. -0.01 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 79.1  | 118.7 |
| 141     | 45.2  | 35.9  | 53.9  |

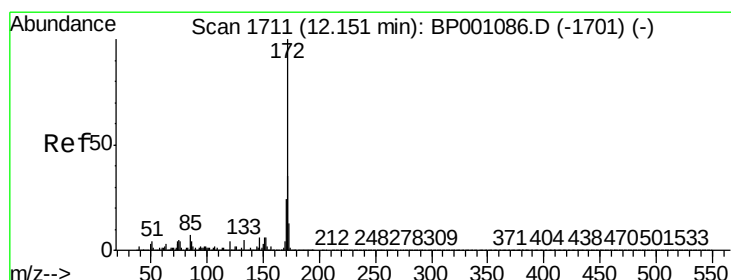
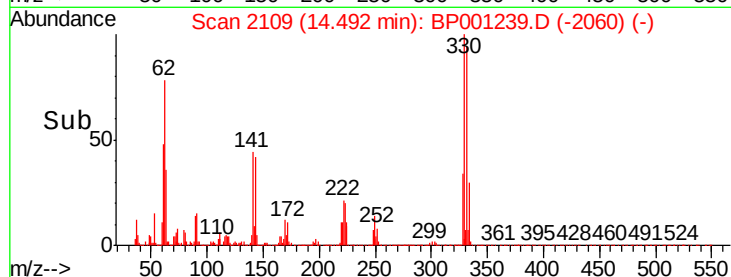
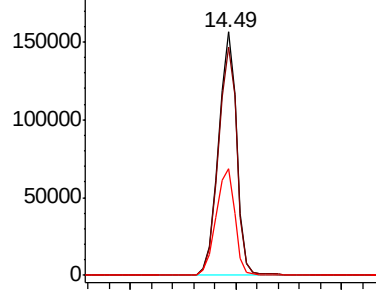


Abundance

Ion 329.80 (329.50 to 330.50): E

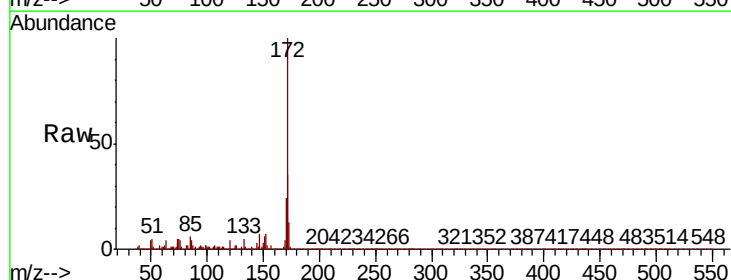
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 69.659 ng  
RT: 12.12 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.7  | 43.1  |
| 170     | 24.0  | 19.2  | 28.8  |

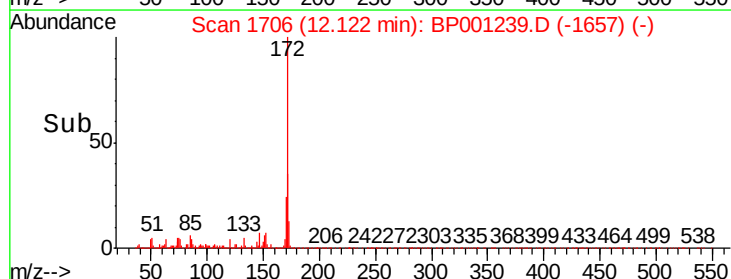
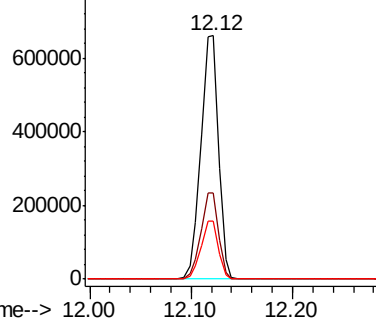


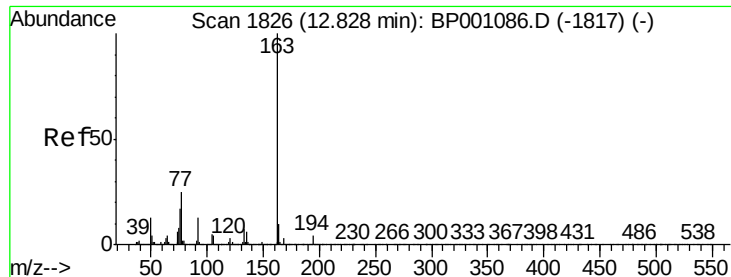
Abundance

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: 7.036 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BP001239.D

Acq: 06 Dec 2019 19:52

Instrument :

BNA\_P

ClientSampled :

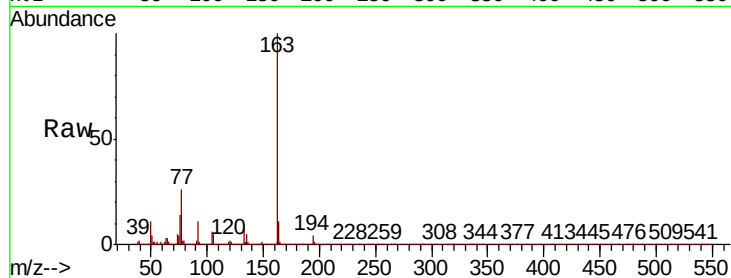
Tot Ion:163 Resp: 88674

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

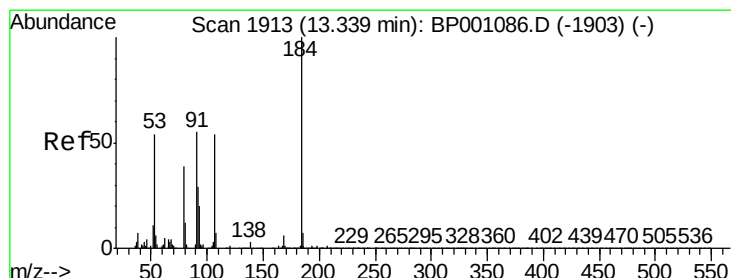
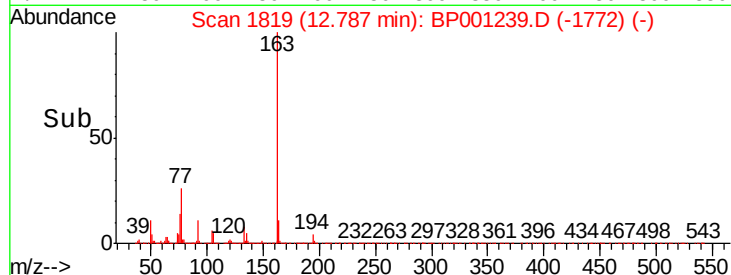
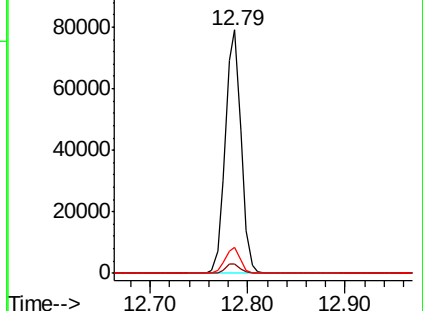
164 10.6 8.2 12.4



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: 7.117 ng

RT: 13.31 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BP001239.D

Acq: 06 Dec 2019 19:52

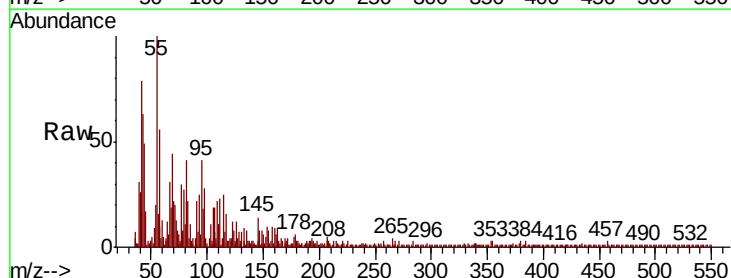
Tgt Ion:184 Resp: 10

Ion Ratio Lower Upper

184 100

63 131.3 69.4 104.0#

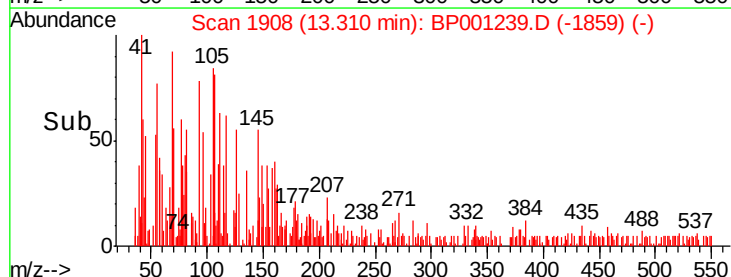
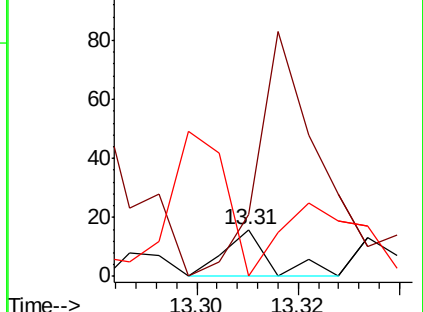
154 0.0 57.4 86.2#



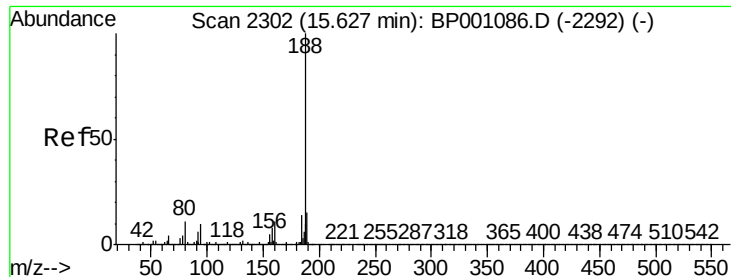
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.02 min

Lab File: BP001239.D

Acq: 06 Dec 2019 19:52

Instrument :

BNA\_P

ClientSampleId :

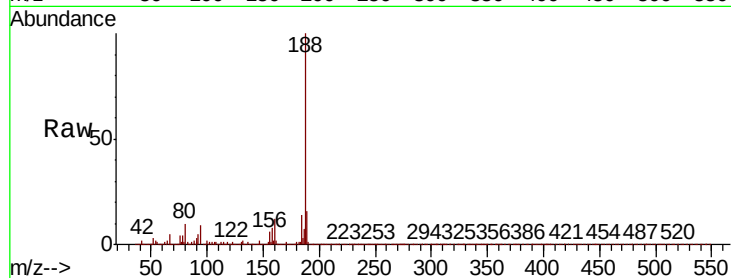
Tot Ion:188 Resp: 312768

Ion Ratio Lower Upper

188 100

94 9.4 7.1 10.7

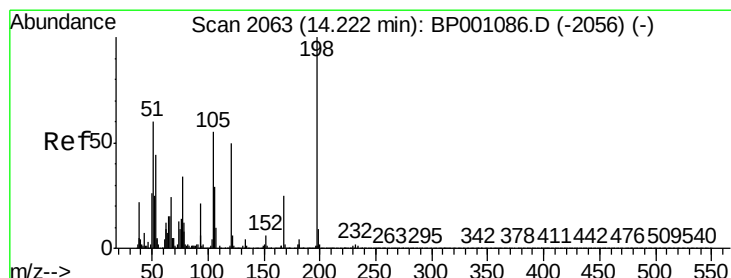
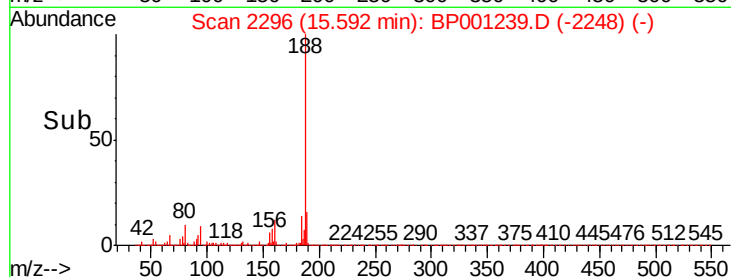
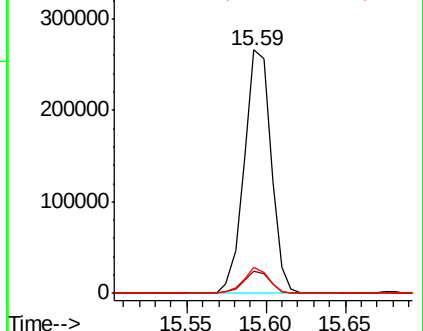
80 10.5 7.8 11.6



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: 6.296 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BP001239.D

Acq: 06 Dec 2019 19:52

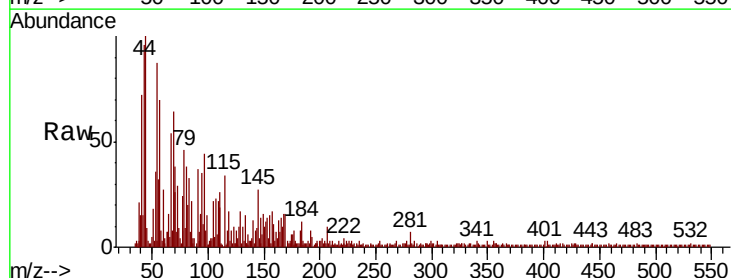
Tgt Ion:198 Resp: 30

Ion Ratio Lower Upper

198 100

51 536.4 36.2 76.2#

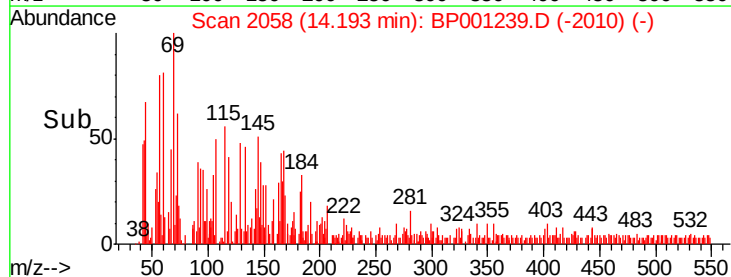
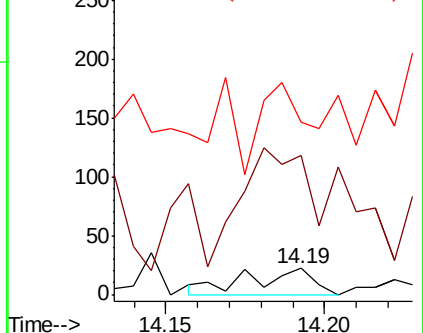
105 663.6 30.2 70.2#

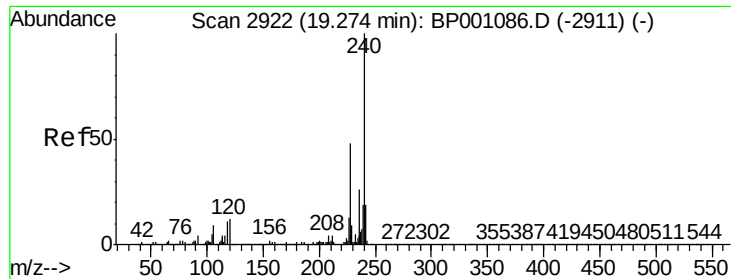


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

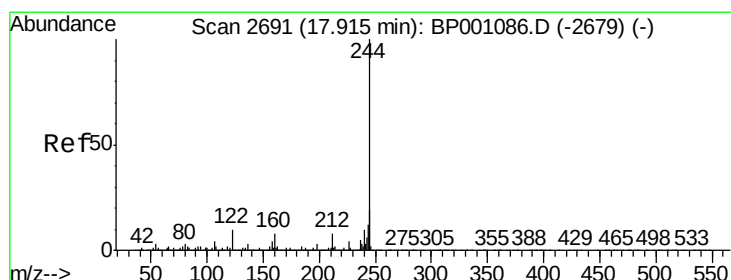
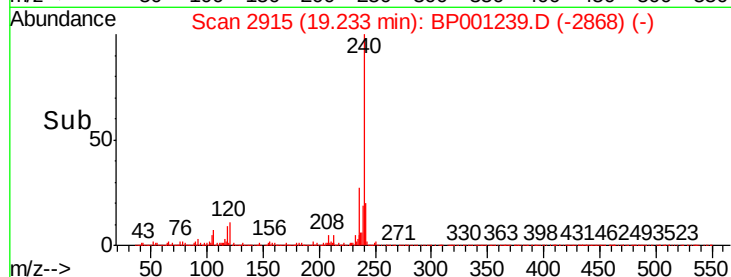
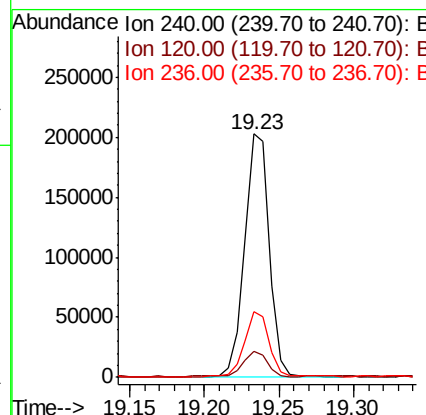
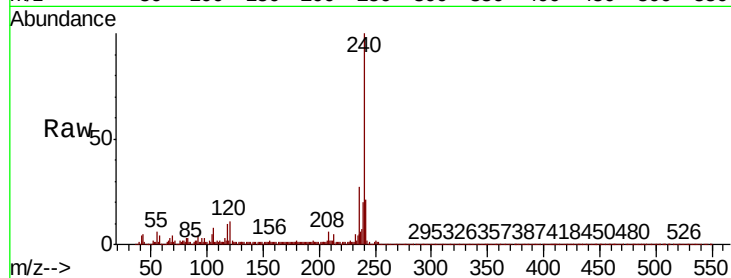




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 19.23 min Scan# 2915  
Delta R.T. -0.02 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

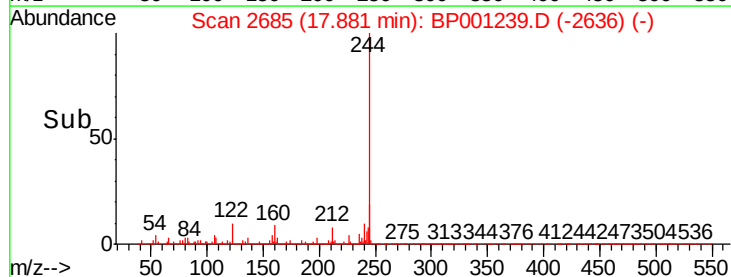
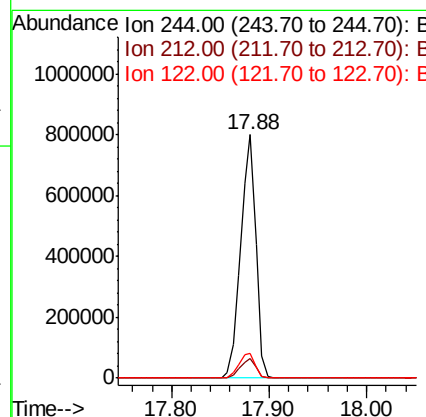
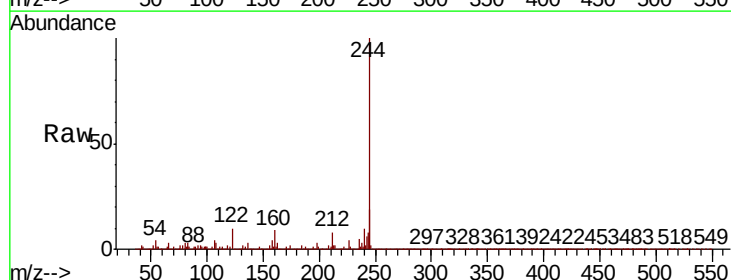
Instrument :  
BNA\_P  
ClientSampled :

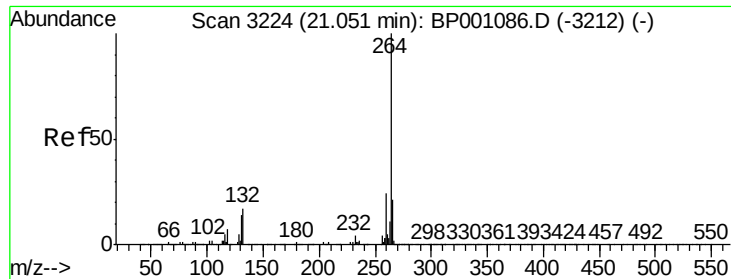
Tot Ion:240 Resp: 230262  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.0 10.6#  
236 26.9 21.7 32.5



#79  
Terphenyl-d14  
Concen: 69.124 ng  
RT: 17.88 min Scan# 2685  
Delta R.T. -0.01 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

Tgt Ion:244 Resp: 860312  
Ion Ratio Lower Upper  
244 100  
212 8.1 6.6 9.8  
122 10.2 9.2 13.8





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 21.01 min Scan# 3217  
Delta R.T. -0.02 min  
Lab File: BP001239.D  
Acq: 06 Dec 2019 19:52

Instrument :  
BNA\_P  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 249667 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.2  | 19.4  | 29.0   |
| 265       | 21.6  | 17.1  | 25.7   |

