

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\  
 Data File : BP001393.D  
 Acq On : 24 Dec 2019 18:35  
 Operator : JU  
 Sample : K6372-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-3

Quant Time: Jan 01 06:42:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 16:04:49 2019  
 Response via : Initial Calibration

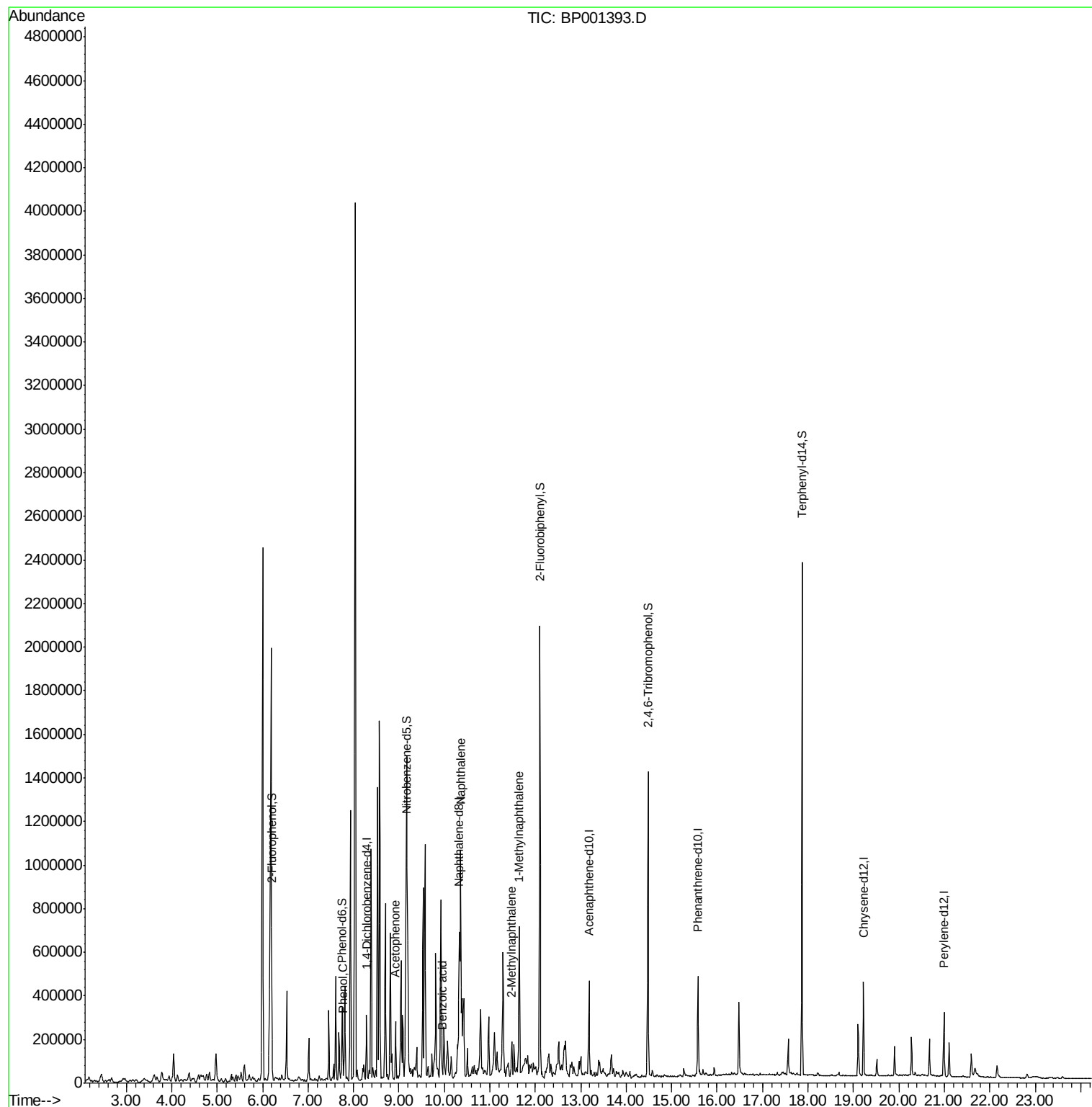
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 51238    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.32 | 136  | 189198   | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 13.18 | 164  | 109051   | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 15.58 | 188  | 202396   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 19.22 | 240  | 144610   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 20.99 | 264  | 142198   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.20  | 112  | 164828   | 51.99  | ng    | 0.00      |
| 7) Phenol-d6                | 7.75  | 99   | 125331   | 30.30  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 423806   | 86.02  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 14.48 | 330  | 192786   | 141.40 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 12.10 | 172  | 789862   | 91.59  | ng    | 0.00      |
| 79) Terphenyl-d14           | 17.87 | 244  | 868560   | 102.87 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.77  | 94   | 11182    | 2.366  | ng    | Qvalue 91 |
| 22) Acetophenone            | 8.93  | 105  | 118251   | 19.765 | ng    | # 62      |
| 31) Naphthalene             | 10.36 | 128  | 571289   | 55.316 | ng    | 99        |
| 32) Benzoic acid            | 9.96  | 122  | 4866     | 7.142  | ng    | 92        |
| 37) 2-Methylnaphthalene     | 11.48 | 142  | 38555    | 5.407  | ng    | # 92      |
| 38) 1-Methylnaphthalene     | 11.65 | 142  | 103459   | 15.434 | ng    | # 98      |

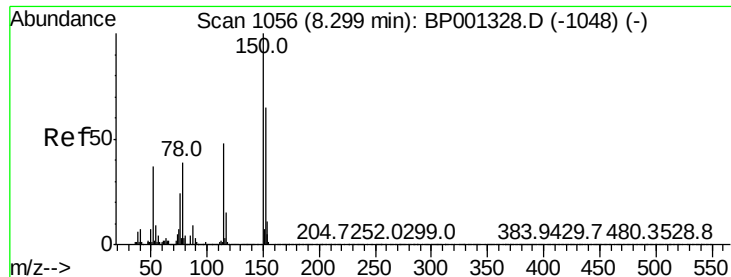
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

Instrument :

BNA\_P

ClientSampleId :

MW-3

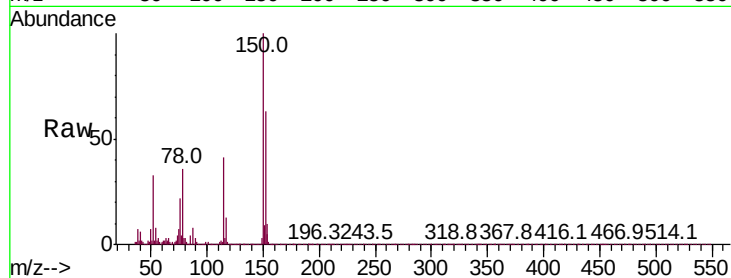
Tot Ion:152 Resp: 51238

Ion Ratio Lower Upper

152 100

150 160.0 127.0 190.6

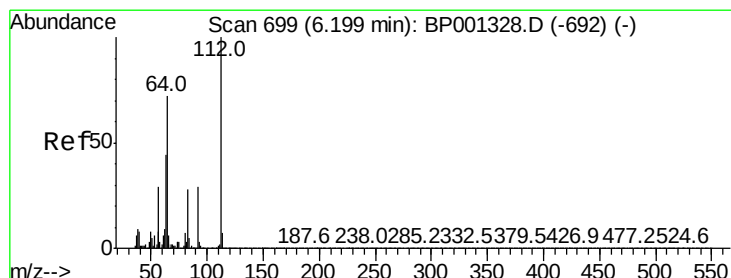
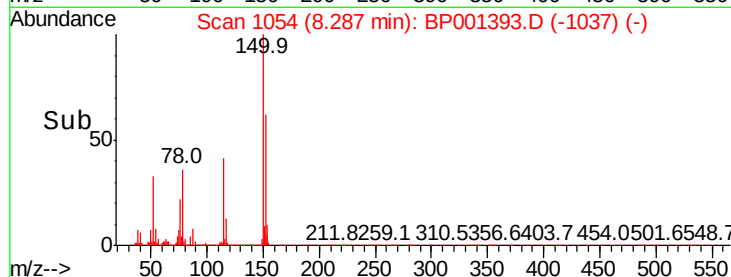
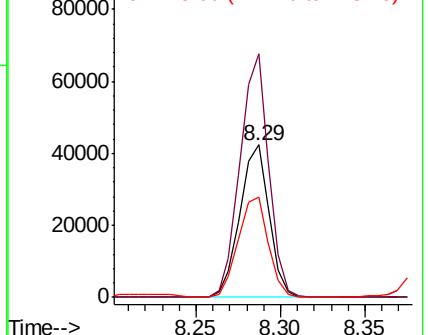
115 65.9 56.1 84.1



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: 51.991 ng

RT: 6.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

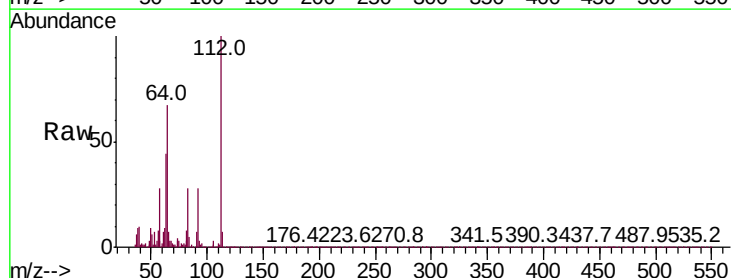
Tgt Ion:112 Resp: 164828

Ion Ratio Lower Upper

112 100

64 66.6 53.9 80.9

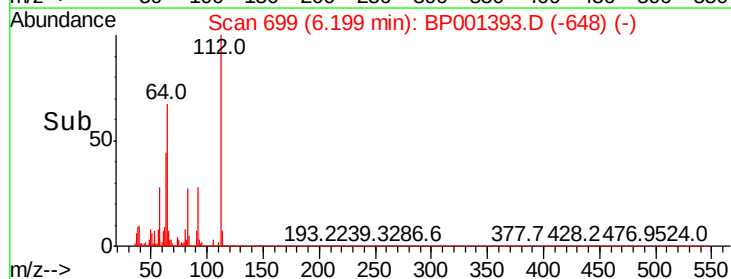
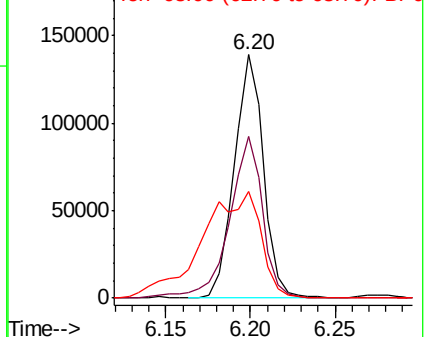
63 43.8 33.4 50.0

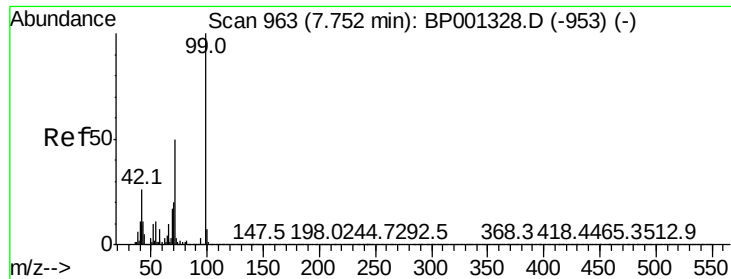


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 30.296 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

Instrument :

BNA\_P

ClientSampleId :

MW-3

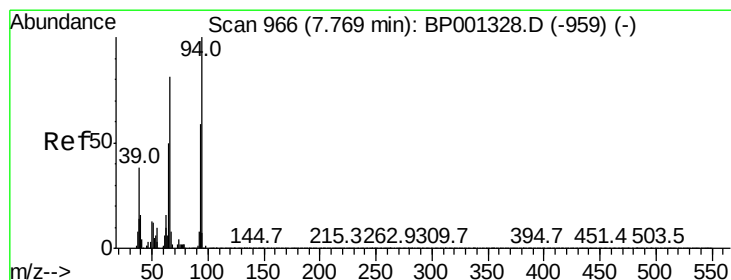
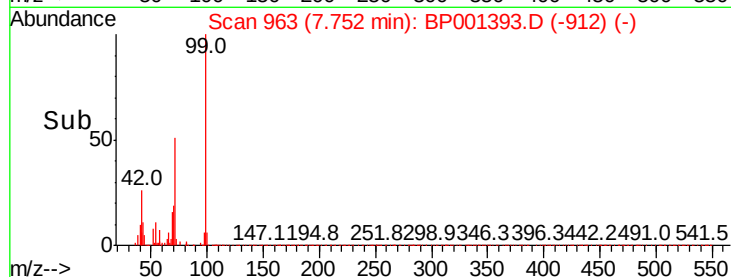
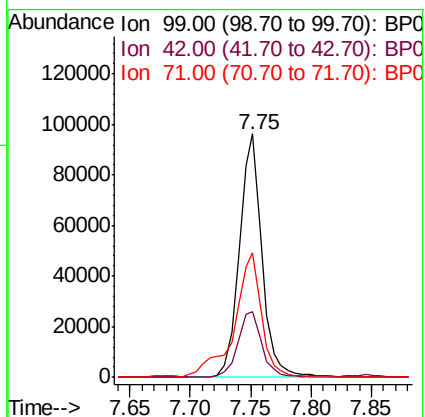
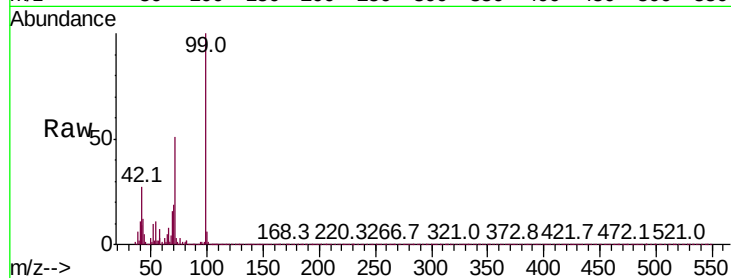
Tot Ion: 99 Resp: 125331

Ion Ratio Lower Upper

99 100

42 26.9 20.8 31.2

71 51.0 38.2 57.4



#10

Phenol

Concen: 2.366 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

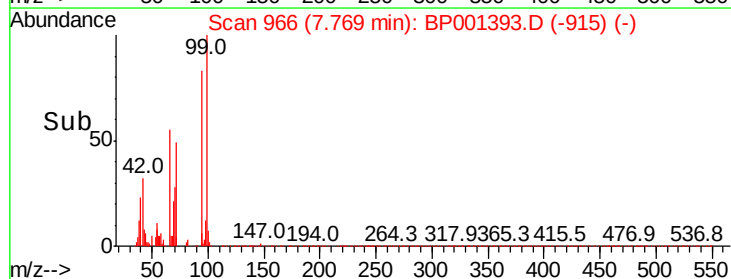
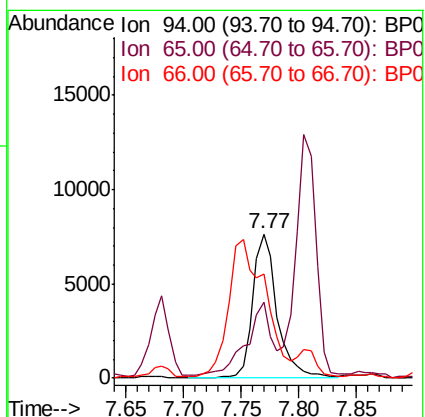
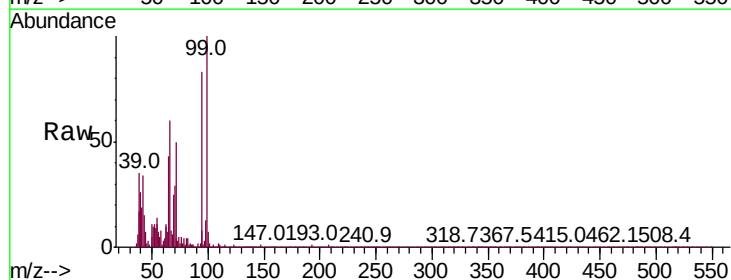
Tgt Ion: 94 Resp: 11182

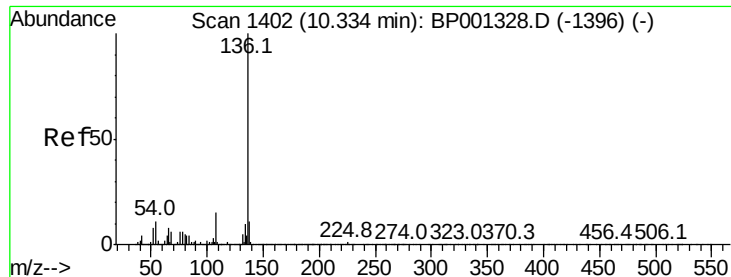
Ion Ratio Lower Upper

94 100

65 52.3 29.6 69.6

66 72.1 62.3 102.3

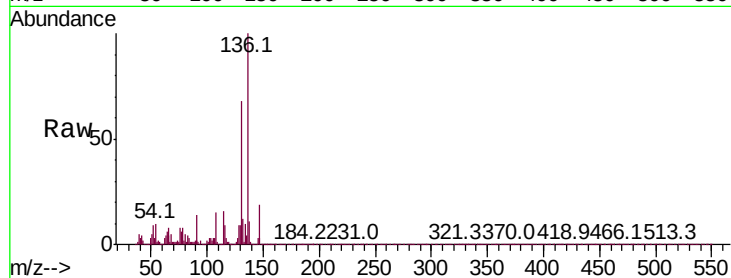




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.32 min Scan# 1400  
Delta R.T. -0.00 min  
Lab File: BP001393.D  
Acq: 24 Dec 2019 18:35

Instrument :  
BNA\_P  
ClientSampleId :  
MW-3

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 189198 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.0   | 13.4   |
| 54       | 10.0  | 7.3   | 10.9   |
| 68       | 5.2   | 3.8   | 5.6    |



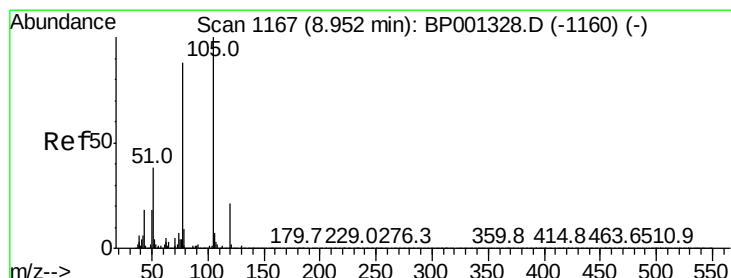
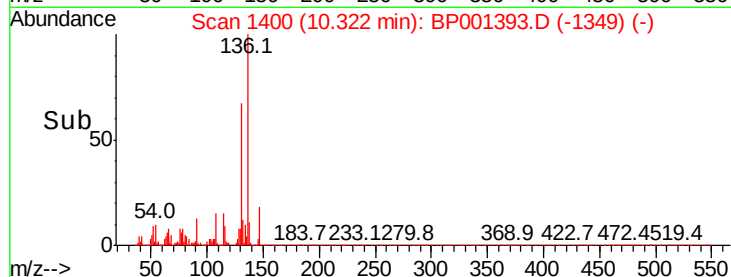
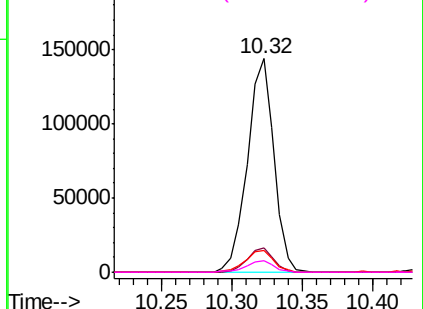
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

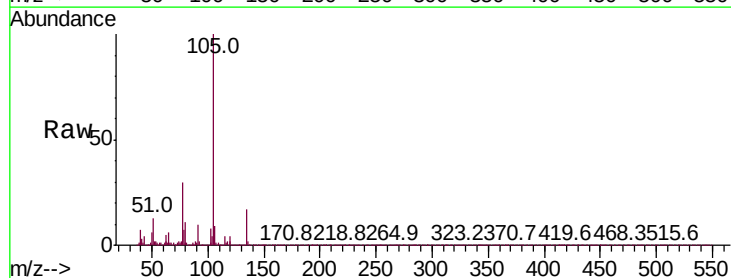
Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



#22  
Acetophenone  
Concen: 19.765 ng  
RT: 8.93 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BP001393.D  
Acq: 24 Dec 2019 18:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 118251 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.2   | 0.2   | 0.4#   |
| 51       | 13.4  | 29.8  | 44.6#  |
| 120      | 4.1   | 15.6  | 23.4#  |



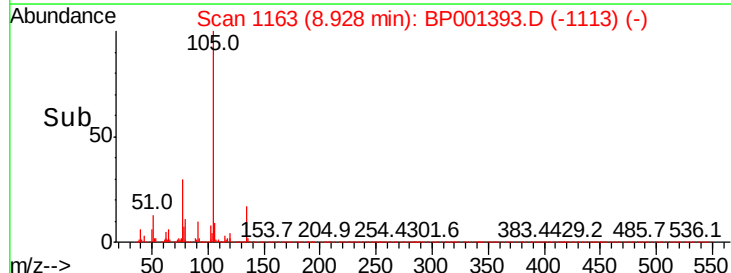
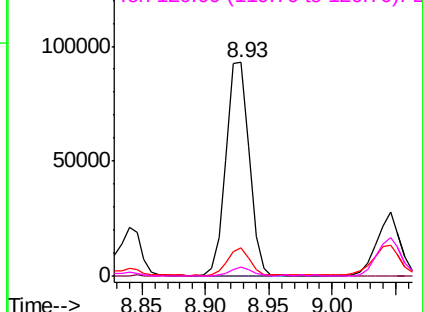
Abundance

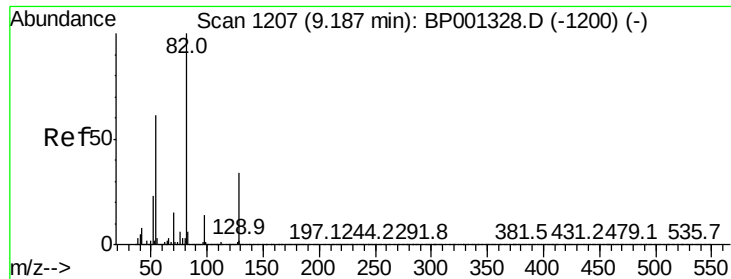
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E

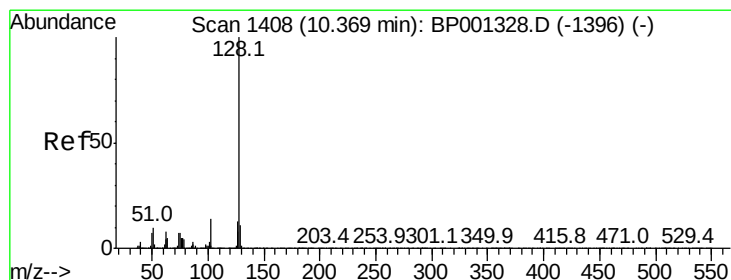
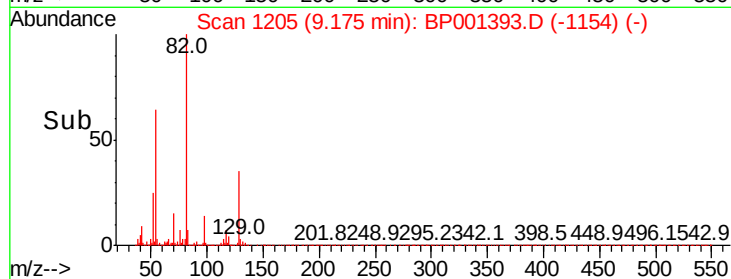
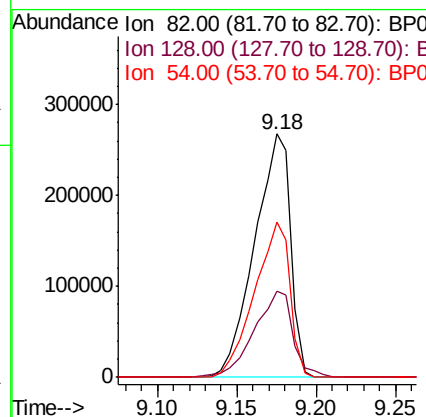
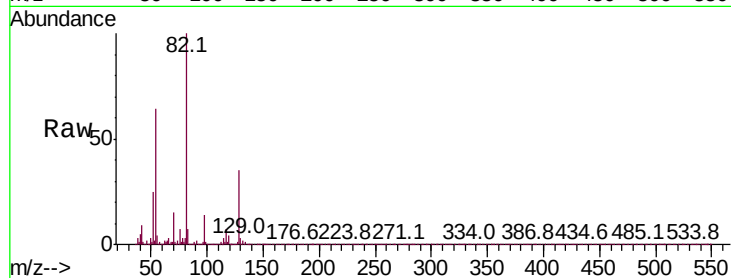




#23  
 Nitrobenzene-d5  
 Concen: 86.019 ng  
 RT: 9.18 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BP001393.D  
 Acq: 24 Dec 2019 18:35

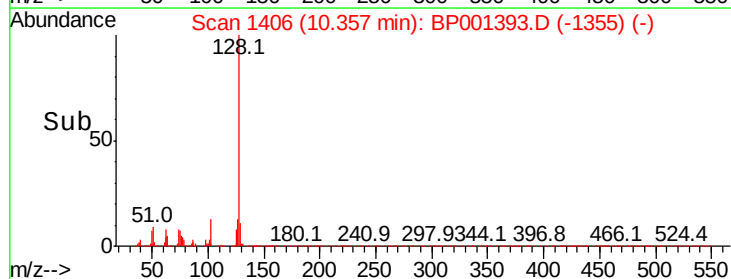
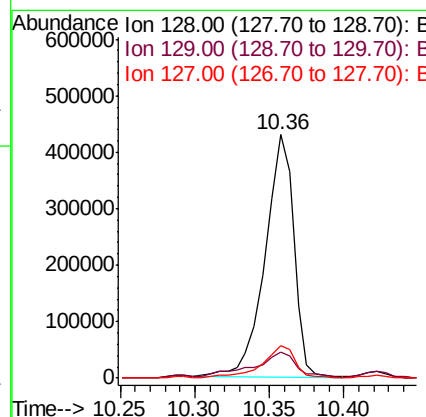
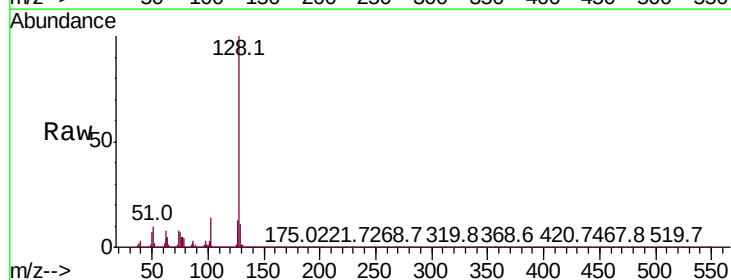
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-3

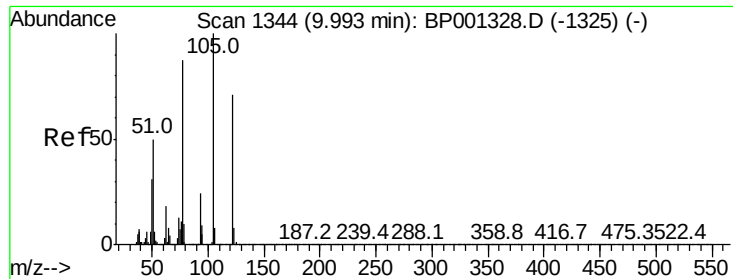
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.3  | 27.4  | 41.0  |
| 54      | 64.0  | 47.5  | 71.3  |



#31  
 Naphthalene  
 Concen: 55.316 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. -0.00 min  
 Lab File: BP001393.D  
 Acq: 24 Dec 2019 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 8.6   | 12.8  |
| 127     | 13.3  | 11.0  | 16.6  |

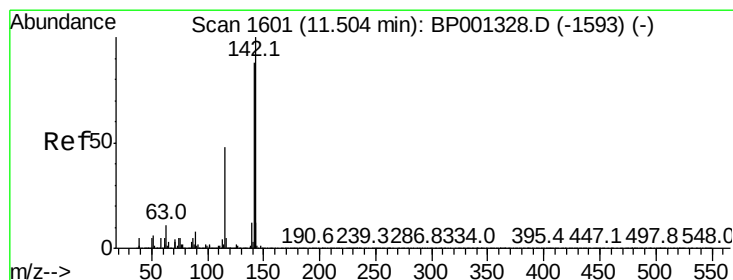
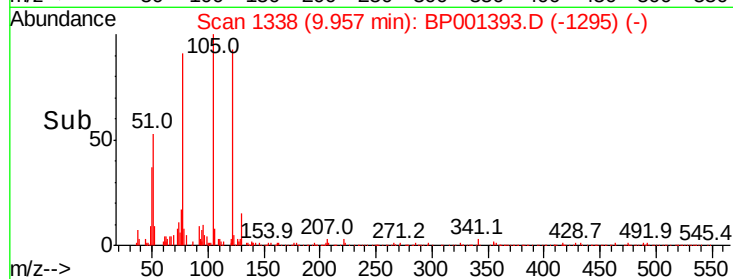
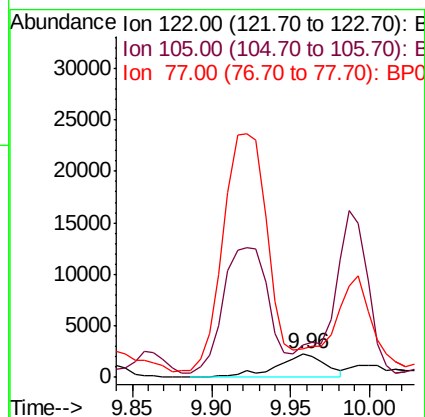
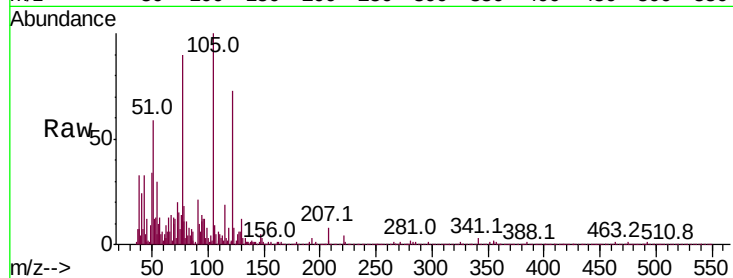




#32  
Benzoic acid  
Concen: 7.142 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. -0.05 min  
Lab File: BP001393.D  
Acq: 24 Dec 2019 18:35

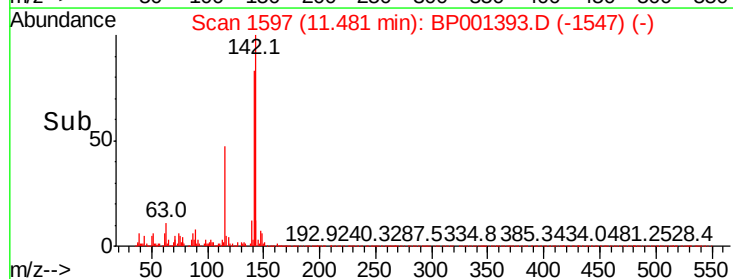
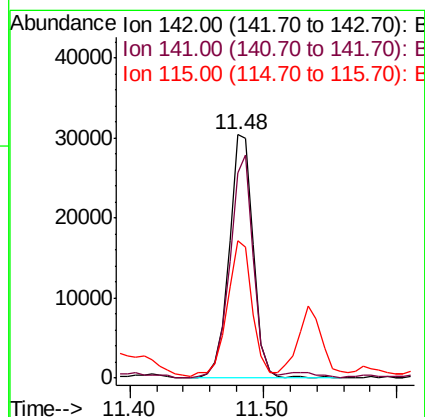
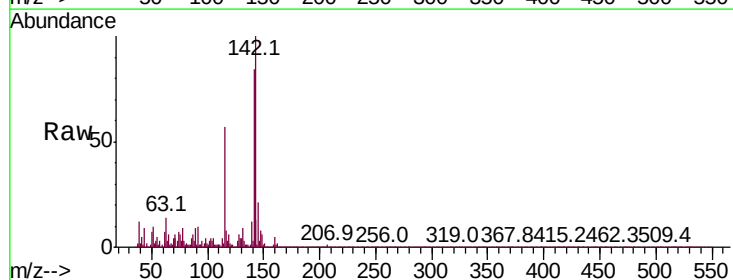
Instrument :  
BNA\_P  
ClientSampleId :  
MW-3

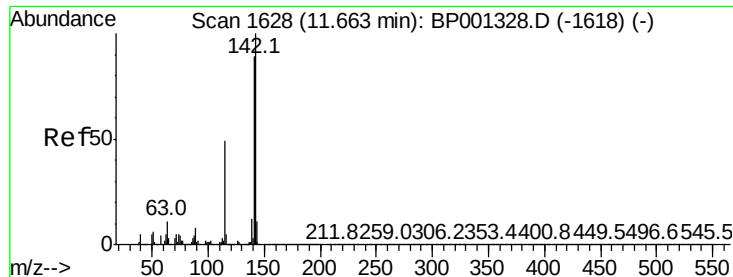
Tot Ion:122 Resp: 4866  
Ion Ratio Lower Upper  
122 100  
105 137.0 117.8 157.8  
77 123.4 85.6 125.6



#37  
2-Methylnaphthalene  
Concen: 5.407 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BP001393.D  
Acq: 24 Dec 2019 18:35

Tgt Ion:142 Resp: 38555  
Ion Ratio Lower Upper  
142 100  
141 84.4 70.2 105.2  
115 56.6 37.0 55.4#





#38

1-Methylnaphthalene

Concen: 15.434 ng

RT: 11.65 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

Instrument :

BNA\_P

ClientSampleId :

MW-3

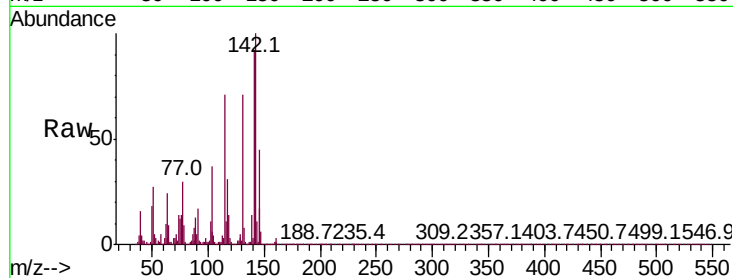
Tot Ion:142 Resp: 103459

Ion Ratio Lower Upper

142 100

141 91.8 72.9 109.3

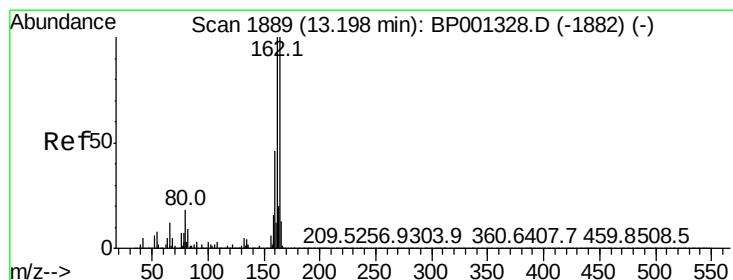
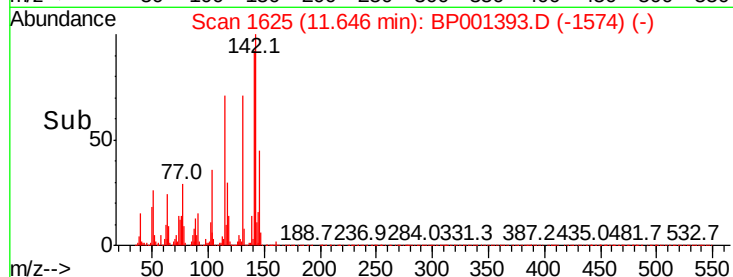
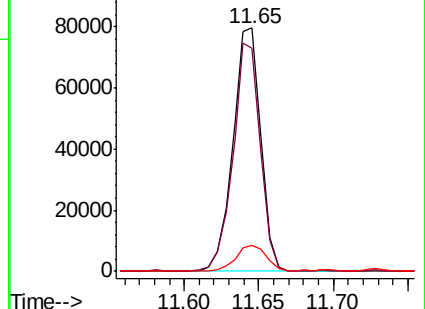
116 10.6 3.8 5.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.18 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

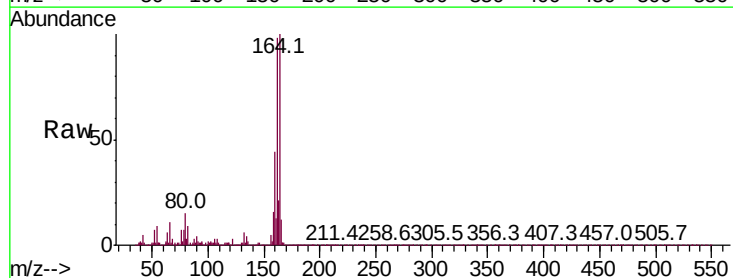
Tgt Ion:164 Resp: 109051

Ion Ratio Lower Upper

164 100

162 98.1 78.2 117.4

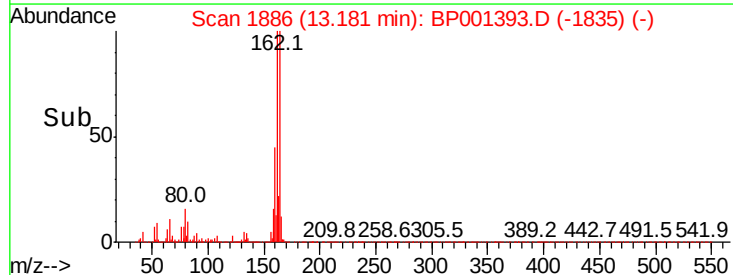
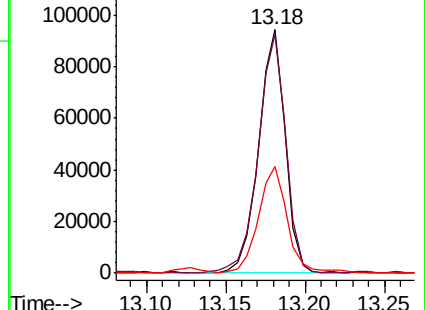
160 43.7 35.1 52.7



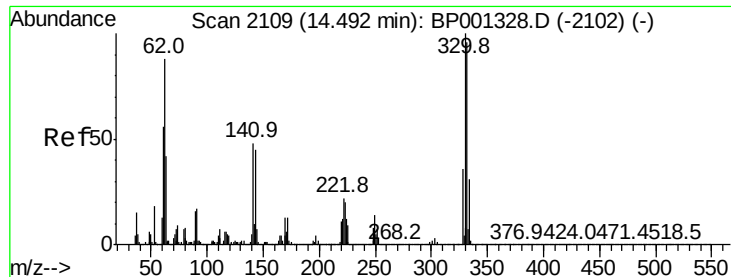
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



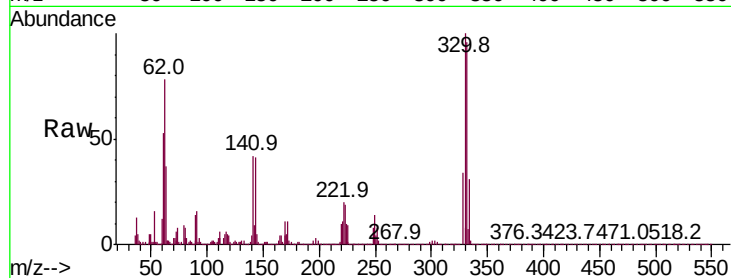




#42  
 2,4,6-Tribromophenol  
 Concen: 141.402 ng  
 RT: 14.48 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: BP001393.D  
 Acq: 24 Dec 2019 18:35

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 78.3  | 117.5 |
| 141     | 42.5  | 26.8  | 40.2# |

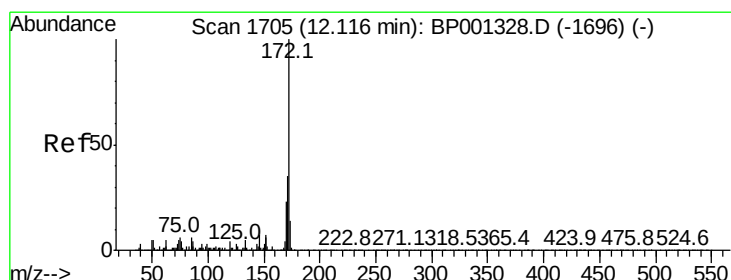
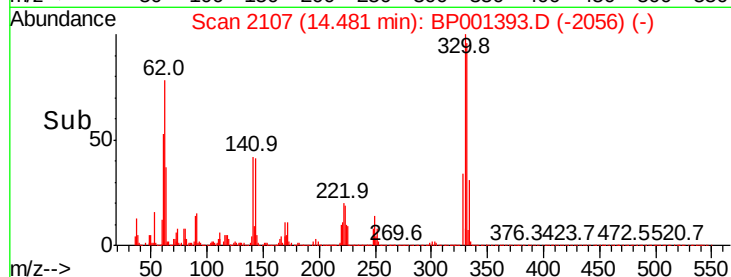
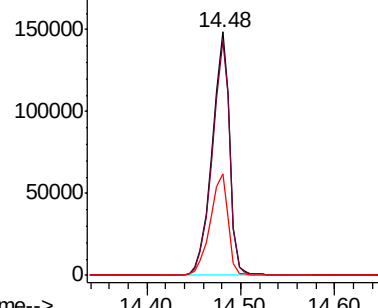


Abundance

Ion 329.80 (329.50 to 330.50): E

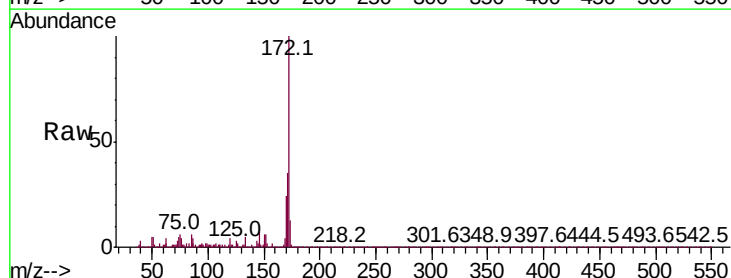
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 91.587 ng  
 RT: 12.10 min Scan# 1703  
 Delta R.T. 0.01 min  
 Lab File: BP001393.D  
 Acq: 24 Dec 2019 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 27.4  | 41.0  |
| 170     | 23.5  | 18.2  | 27.4  |

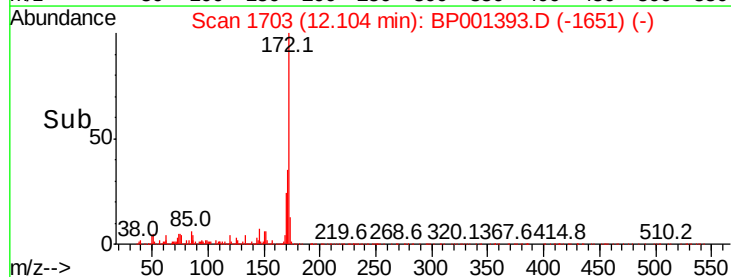
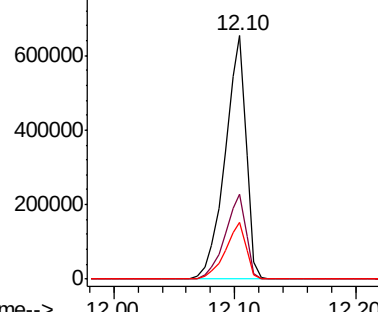


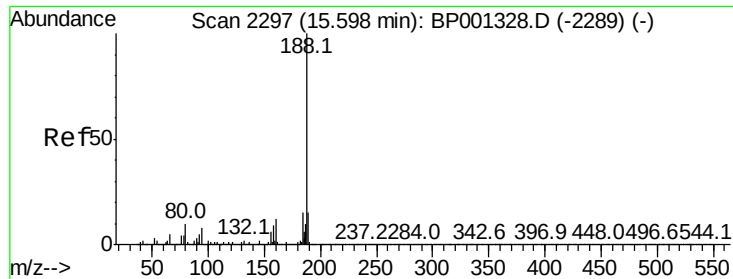
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

Instrument :

BNA\_P

ClientSampled :

MW-3

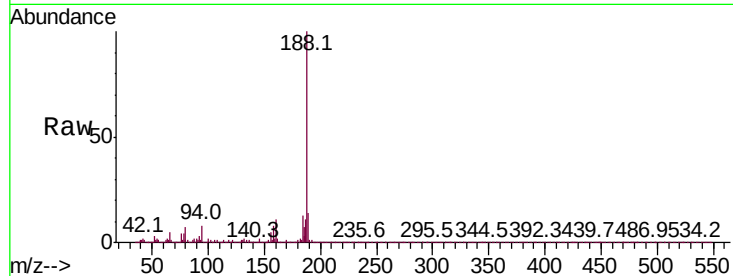
Tot Ion:188 Resp: 202396

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.8

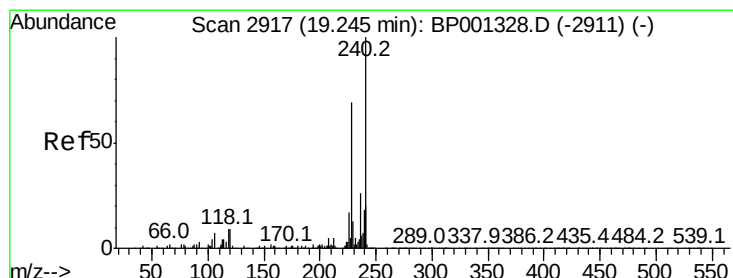
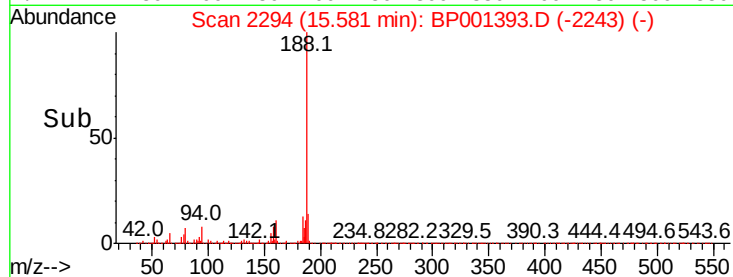
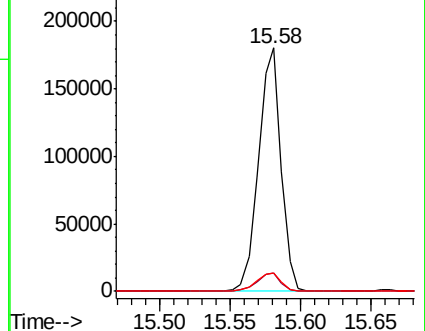
80 7.3 5.7 8.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.22 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

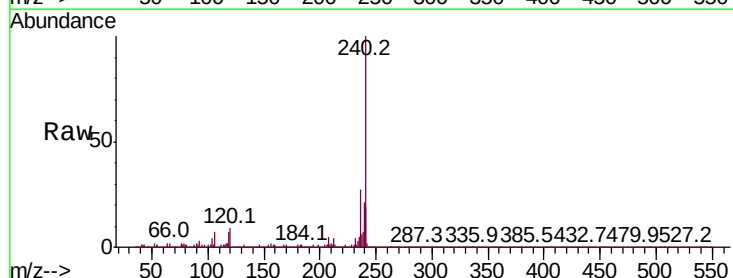
Tgt Ion:240 Resp: 144610

Ion Ratio Lower Upper

240 100

120 8.9 6.2 9.2

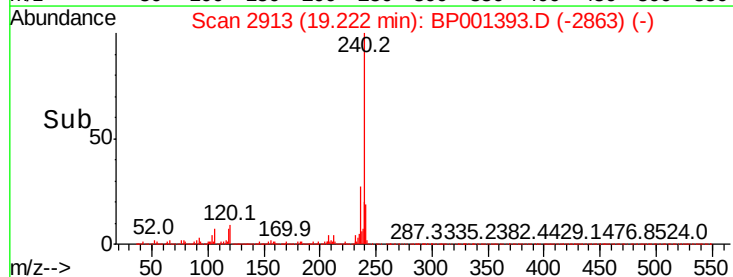
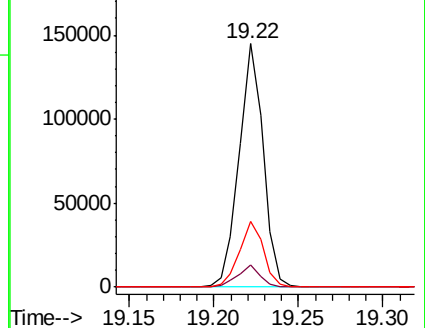
236 27.0 20.2 30.2

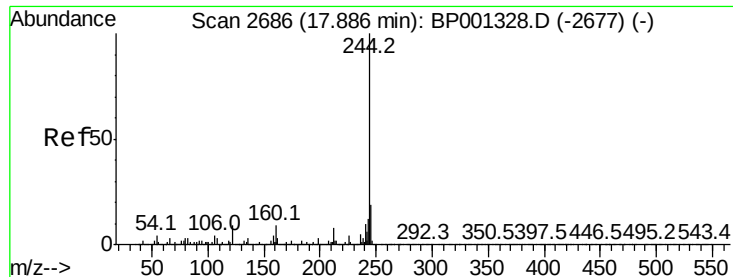


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 102.873 ng

RT: 17.87 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

Instrument :

BNA\_P

ClientSampleId :

MW-3

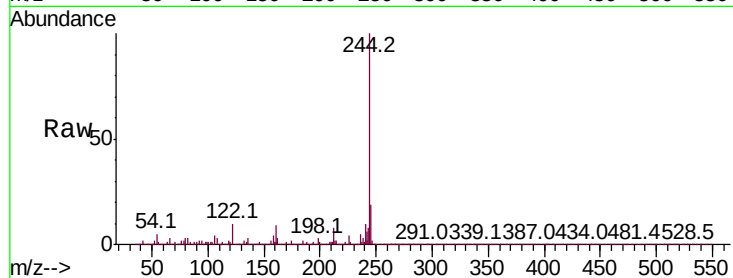
Tot Ion:244 Resp: 868560

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

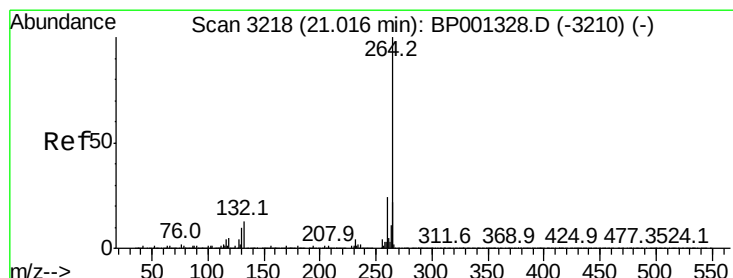
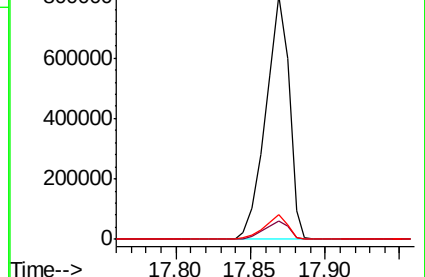
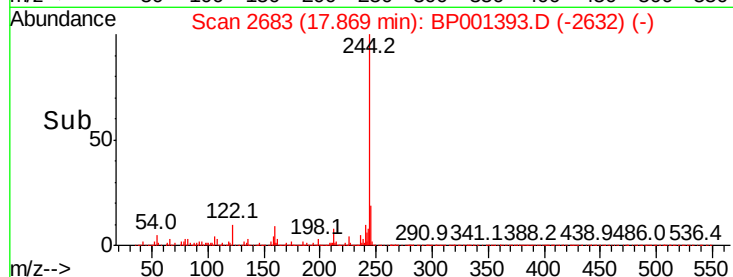
122 10.3 6.4 9.6#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 20.99 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BP001393.D

Acq: 24 Dec 2019 18:35

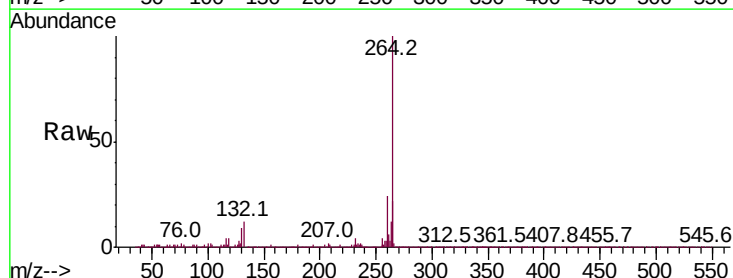
Tgt Ion:264 Resp: 142198

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

265 21.9 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

