

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\  
 Data File : BP000873.D  
 Acq On : 18 Oct 2019 06:42  
 Operator : JU  
 Sample : K5392-03 2X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DFTPP

Quant Time: Oct 18 08:54:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 08:05:41 2019  
 Response via : Initial Calibration

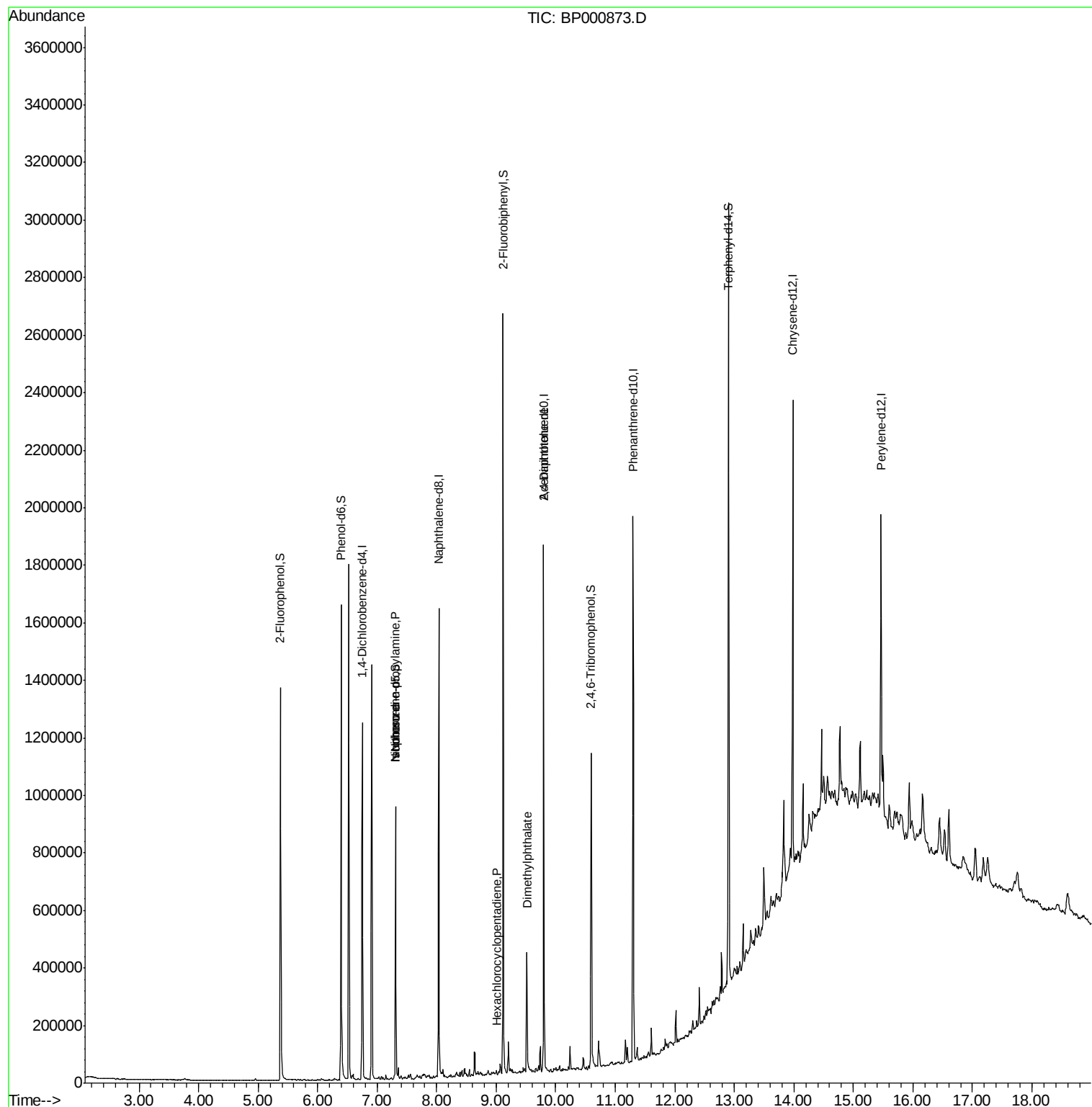
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 181480   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.03  | 136  | 663050   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 9.80  | 164  | 353727   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10           | 11.30 | 188  | 638695   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12               | 13.98 | 240  | 530851   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12               | 15.46 | 264  | 486074   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.38  | 112  | 436820   | 38.69  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.39  | 99   | 565022   | 41.53  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 287609   | 26.49  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol       | 10.60 | 330  | 159486   | 42.31  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl           | 9.12  | 172  | 731381   | 33.45  | ng    | 0.00        |
| 79) Terphenyl-d14              | 12.90 | 244  | 839539   | 32.02  | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 35523    | 5.665  | ng    | Qvalue # 74 |
| 25) Isophorone                 | 7.31  | 82   | 286269   | 14.857 | ng    | # 61        |
| 41) Hexachlorocyclopentadiene  | 9.00  | 237  | 42       | 7.306  | ng    | 76          |
| 50) Dimethylphthalate          | 9.52  | 163  | 187718   | 7.637  | ng    | 99          |
| 57) 2,4-Dinitrotoluene         | 9.80  | 165  | 46248    | 6.508  | ng    | # 31        |

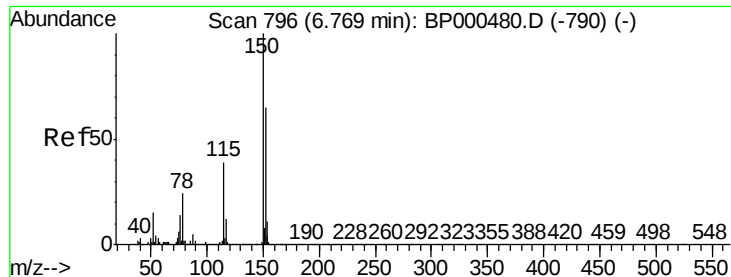
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\  
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Instrument :  
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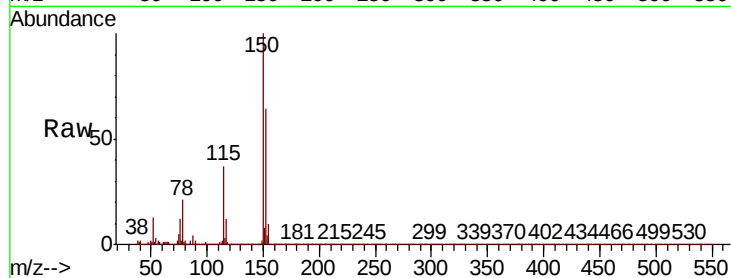


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 124.1 | 186.1 |
| 115     | 58.0  | 48.7  | 73.1  |

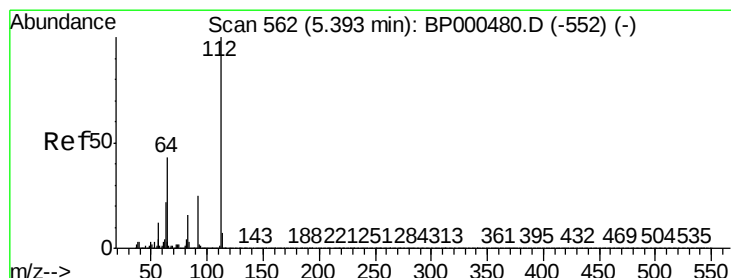
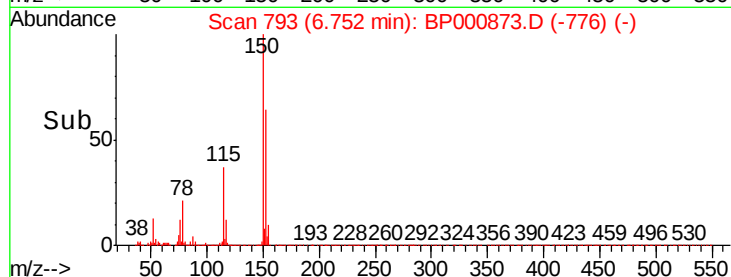
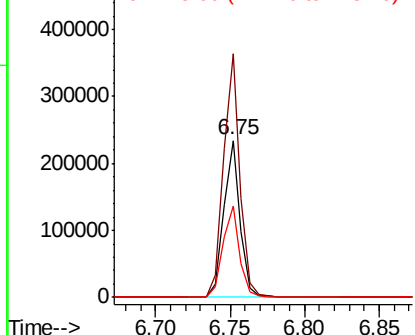


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

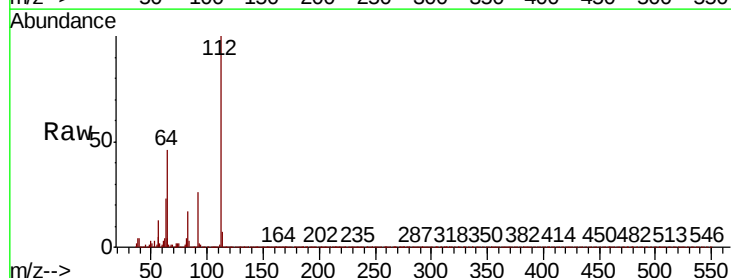
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 38.691 ng  
RT: 5.38 min Scan# 559  
Delta R.T. 0.01 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 45.9  | 34.2  | 51.4  |
| 63      | 23.3  | 17.9  | 26.9  |

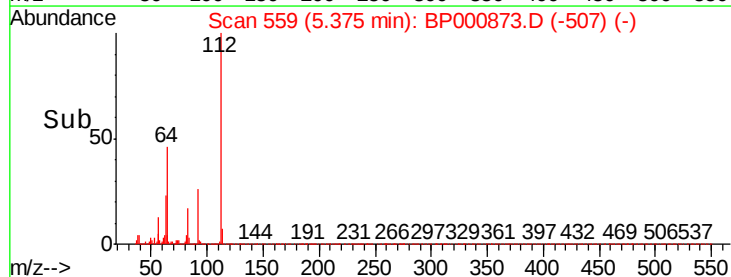
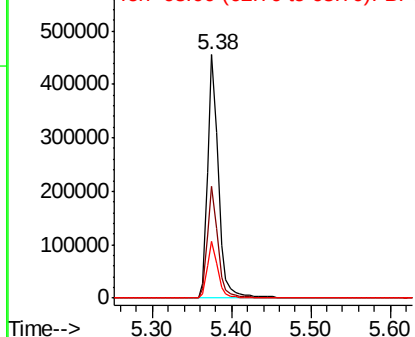


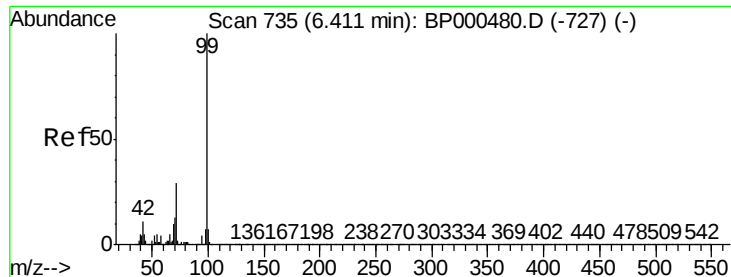
Abundance

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: 41.531 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BP000873.D

Acq: 18 Oct 2019 06:42

Instrument :

BNA\_P

ClientSampleId :

DFTPP

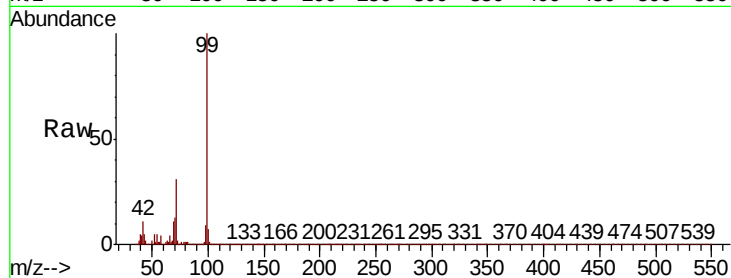
Tot Ion: 99 Resp: 565022

Ion Ratio Lower Upper

99 100

42 11.4 8.6 12.8

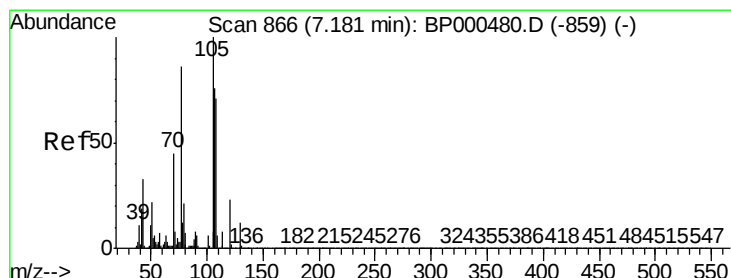
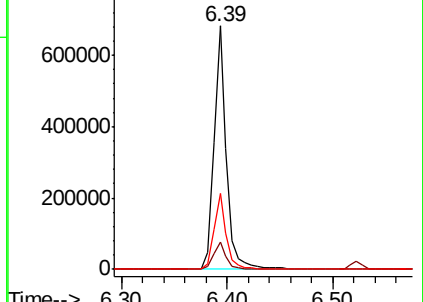
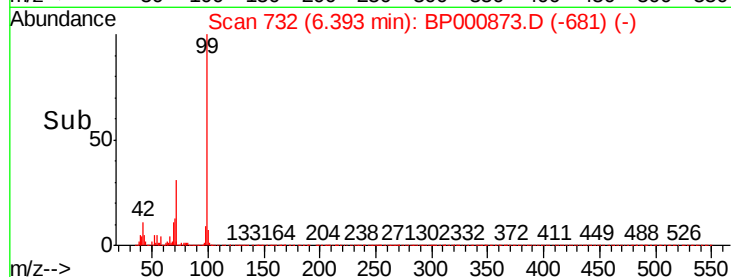
71 31.2 23.0 34.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.665 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.15 min

Lab File: BP000873.D

Acq: 18 Oct 2019 06:42

Tgt Ion: 70 Resp: 35523

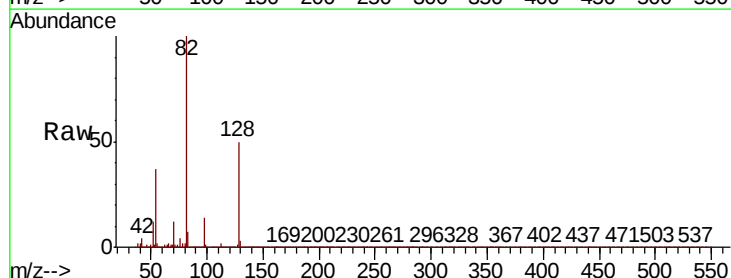
Ion Ratio Lower Upper

70 100

42 34.8 33.2 49.8

101 0.1 9.9 14.9#

130 3.0 21.8 32.8#

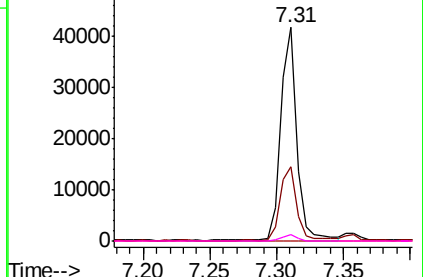
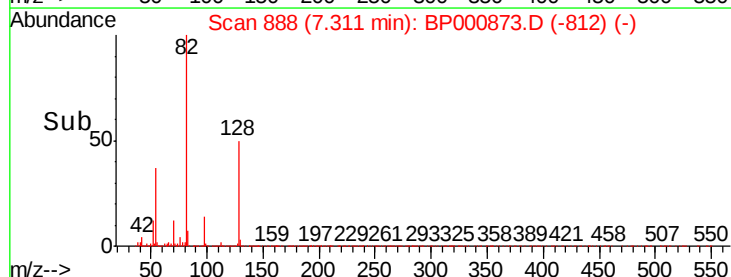


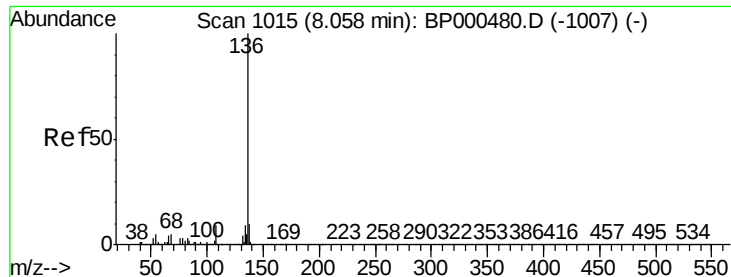
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

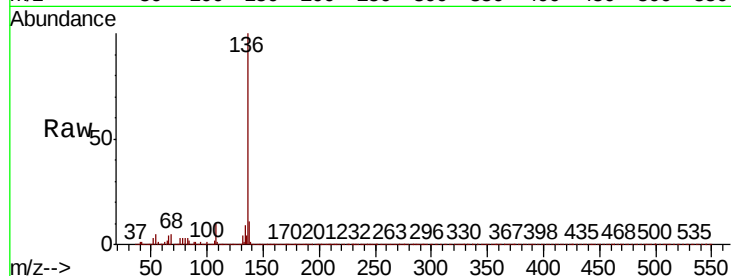




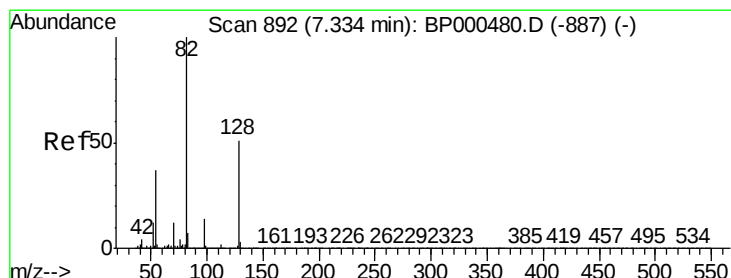
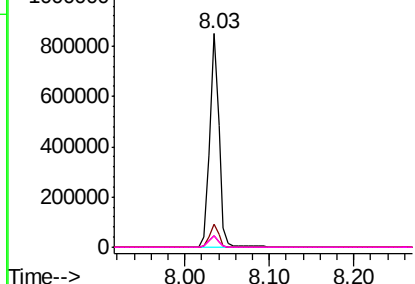
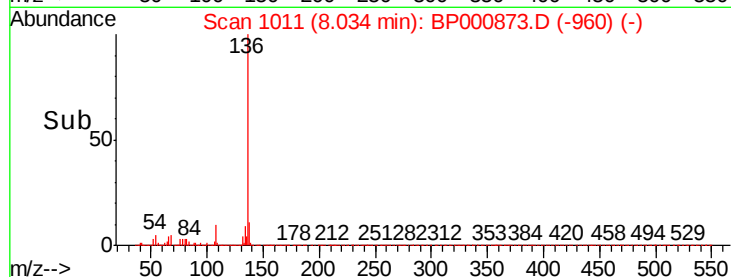
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 663050 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.0    | 8.2 12.4     |
| 54 5.4      | 4.1 6.1      |
| 68 5.3      | 4.1 6.1      |

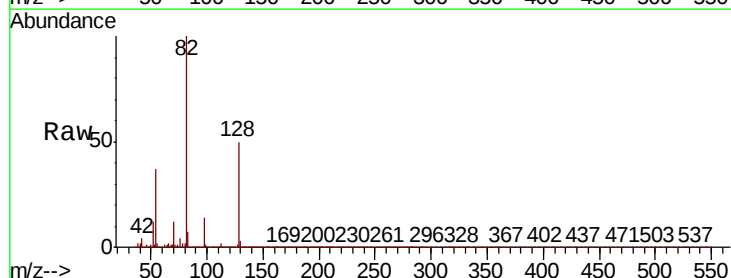


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BP0  
Ion 68.00 (67.70 to 68.70): BP0

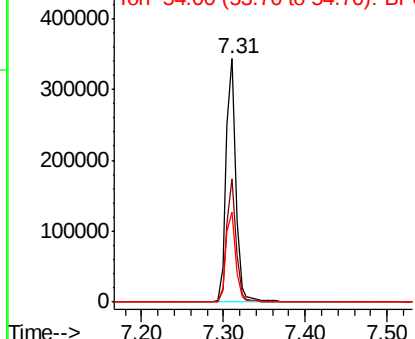
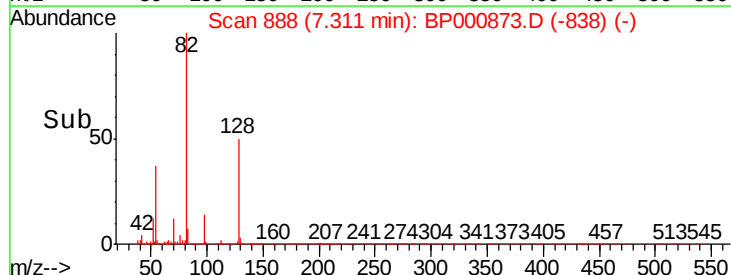


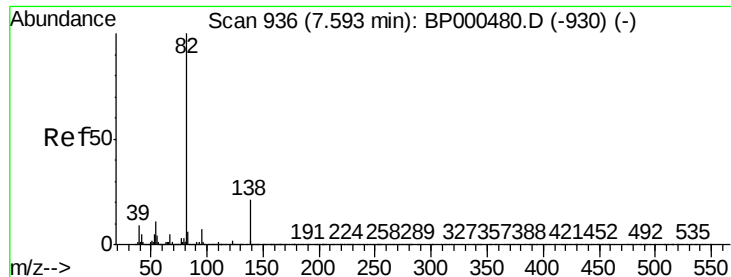
#23  
Nitrobenzene-d5  
Concen: 26.492 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.01 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 287609 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 50.4    | 40.9 61.3    |
| 54 37.2     | 29.4 44.2    |



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





#25

Isophorone

Concen: 14.857 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.26 min

Lab File: BP000873.D

Acq: 18 Oct 2019 06:42

Instrument :

BNA\_P

ClientSampleId :

DFTPP

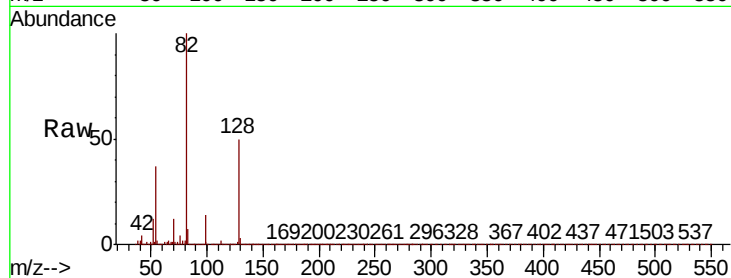
Tot Ion: 82 Resp: 286269

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

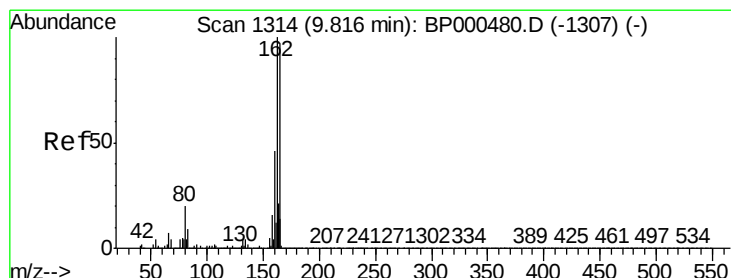
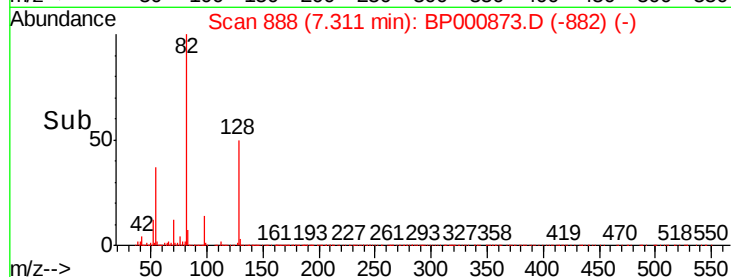
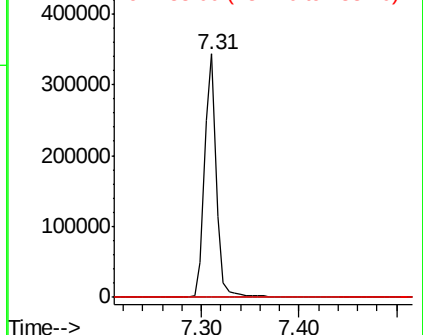
138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BP000873.D

Acq: 18 Oct 2019 06:42

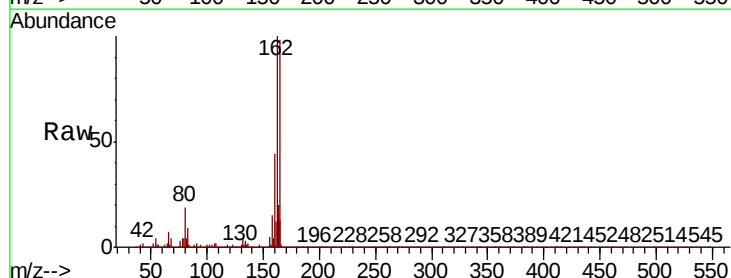
Tgt Ion:164 Resp: 353727

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

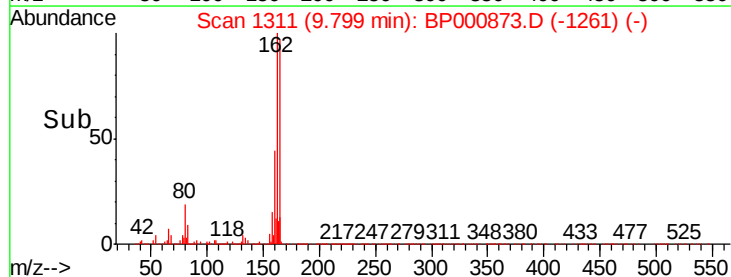
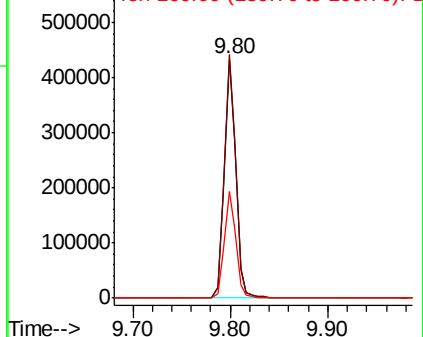
160 44.8 37.6 56.4

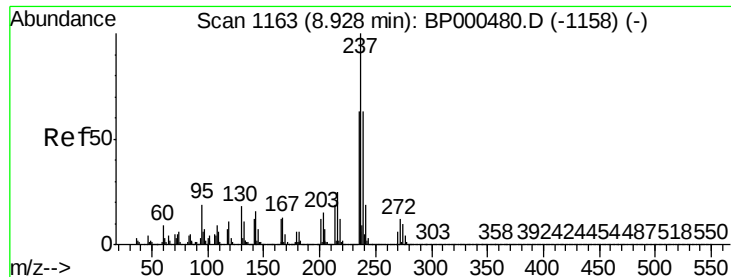


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.306 ng

RT: 9.00 min Scan# 1176

Delta R.T. 0.09 min

Lab File: BP000873.D

Acq: 18 Oct 2019 06:42

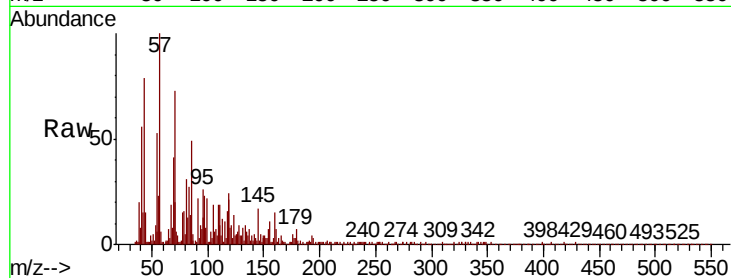
Instrument :

BNA\_P

ClientSampled :

DFTPP

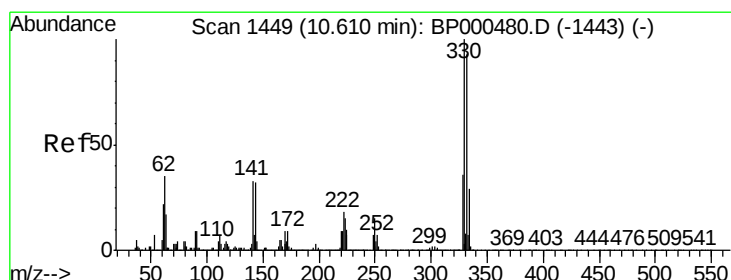
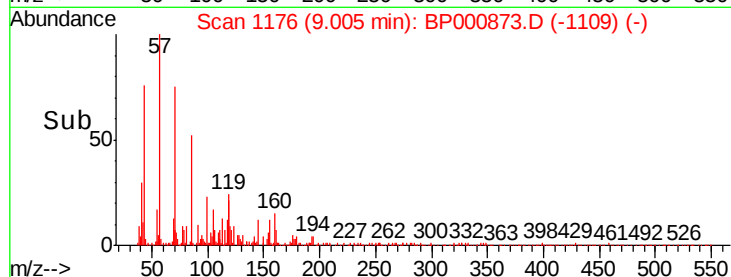
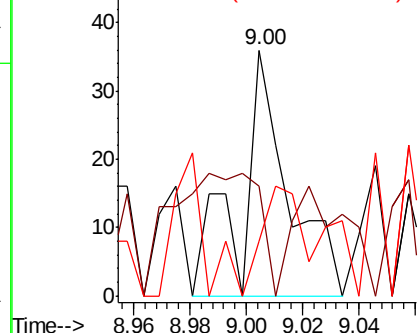
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 237   | Resp: | 42    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 44.4  | 42.9  | 82.9  |
| 272      | 22.2  | 0.0   | 32.4  |



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 42.311 ng

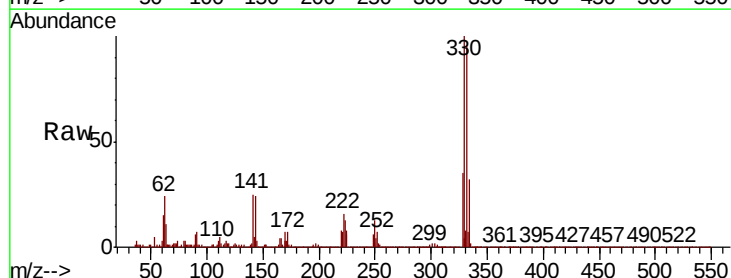
RT: 10.60 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BP000873.D

Acq: 18 Oct 2019 06:42

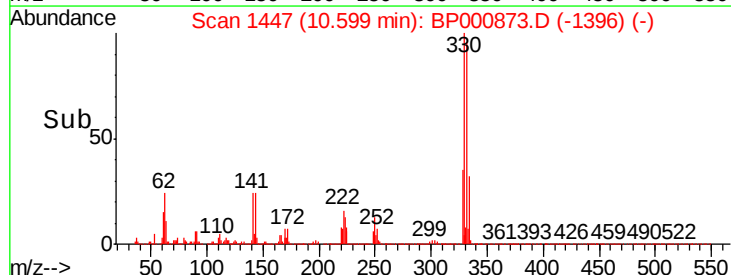
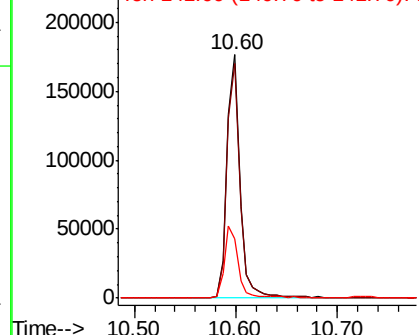
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 159486 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.7  | 77.1  | 115.7  |
| 141      | 30.6  | 26.0  | 39.0   |

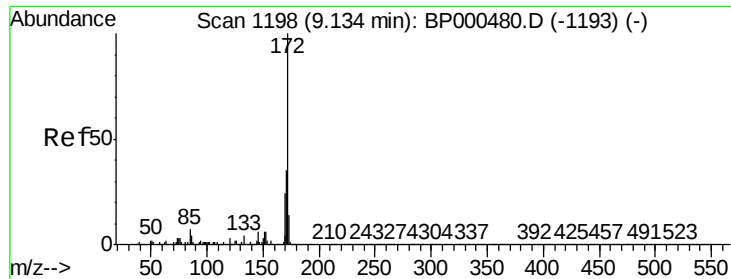


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

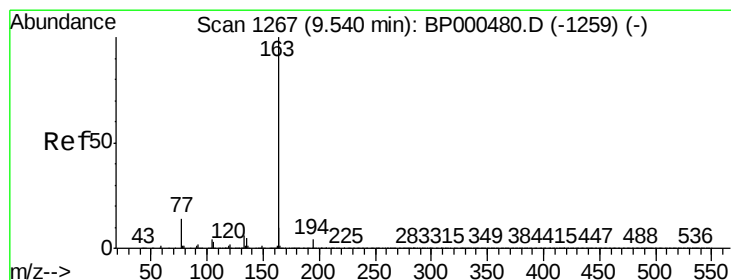
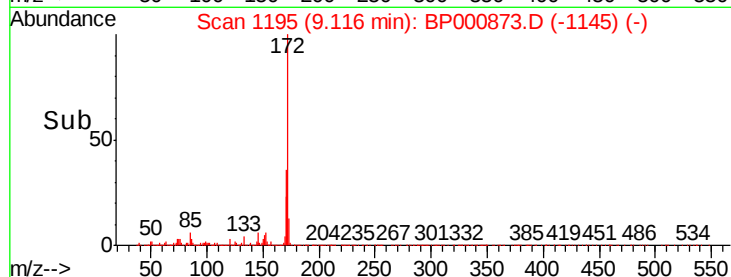
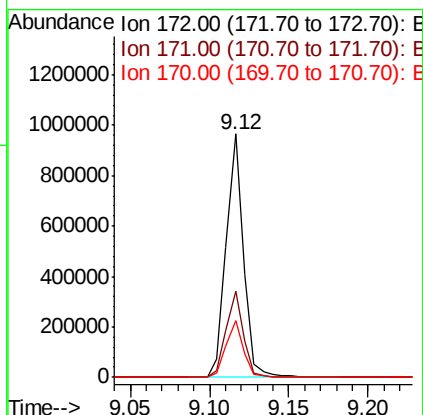
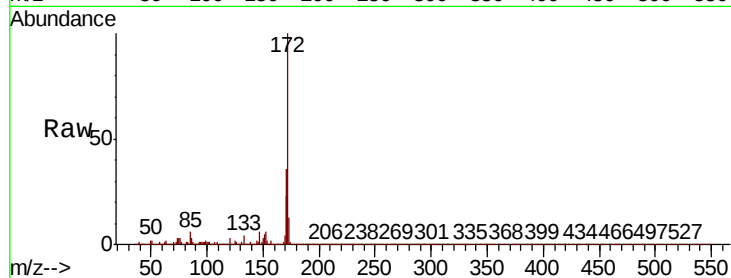




#45  
2-Fluorobiphenyl  
Concen: 33.454 ng  
RT: 9.12 min Scan# 1195  
Delta R.T. -0.01 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

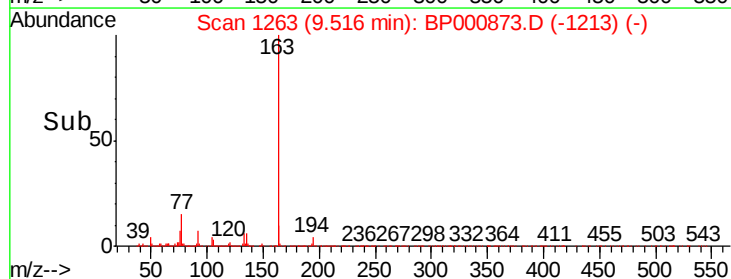
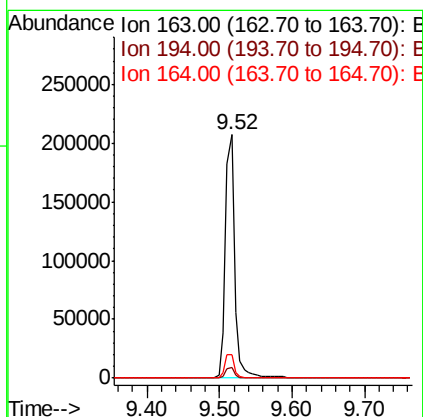
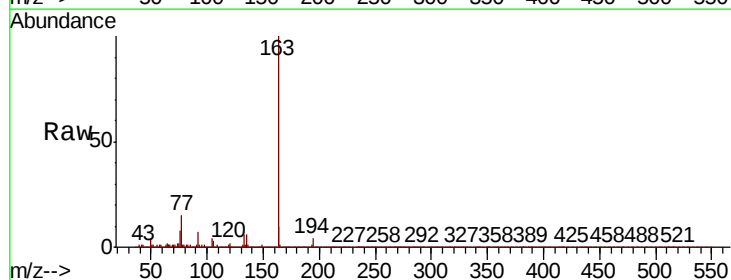
Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

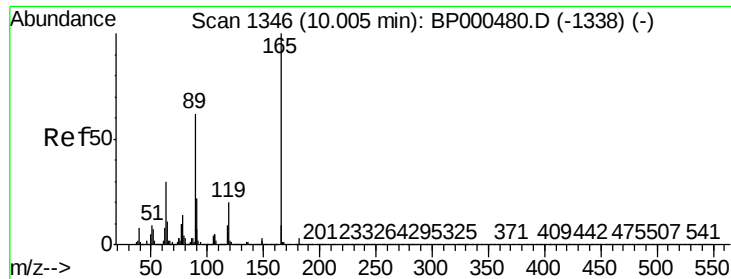
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.4  | 42.6  |
| 170     | 23.3  | 19.1  | 28.7  |



#50  
Dimethylphthalate  
Concen: 7.637 ng  
RT: 9.52 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.4   | 5.2   |
| 164     | 9.7   | 8.0   | 12.0  |

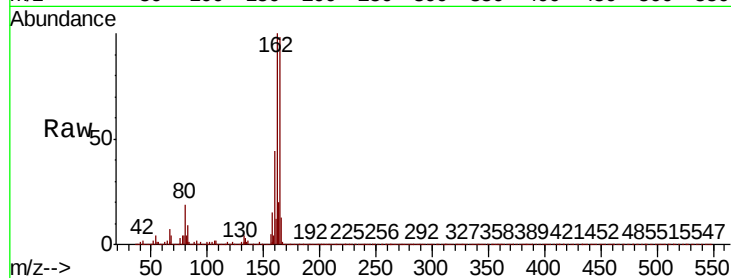




#57  
2,4-Dinitrotoluene  
Concen: 6.508 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.19 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.9   | 24.2  | 36.4# |
| 89      | 1.4   | 49.4  | 74.0# |
| 182     | 0.2   | 2.5   | 3.7#  |



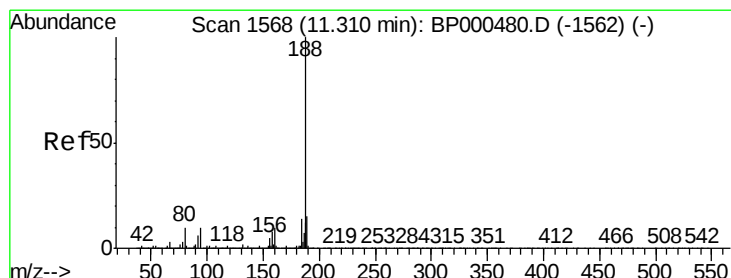
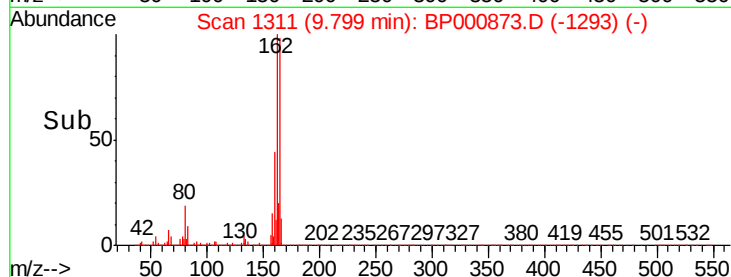
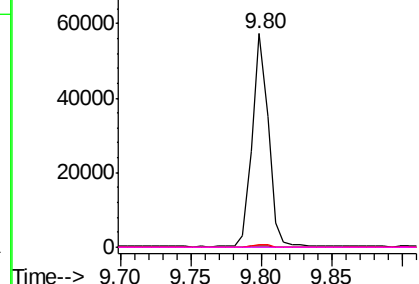
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

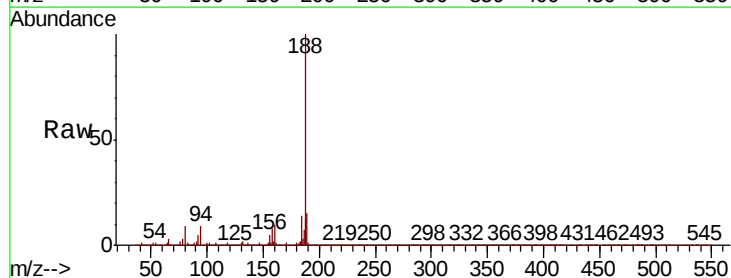
Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 8.2   | 12.2  |
| 80      | 9.5   | 8.3   | 12.5  |

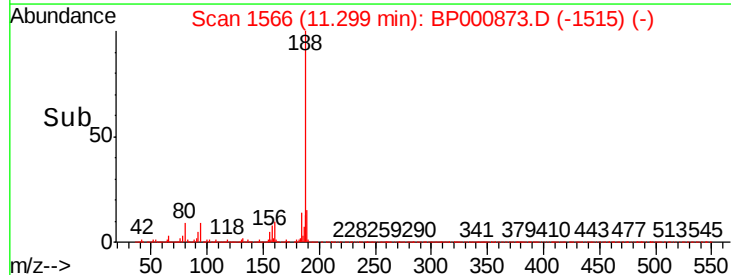
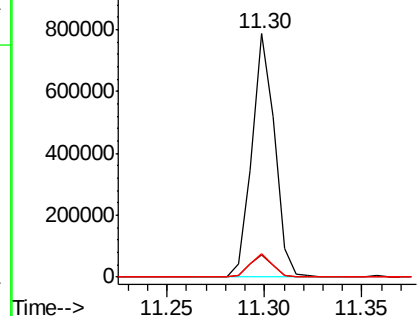


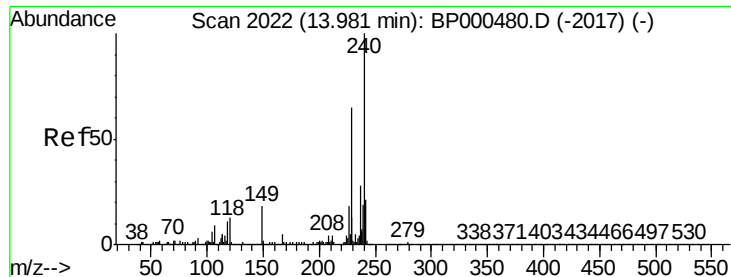
Abundance

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

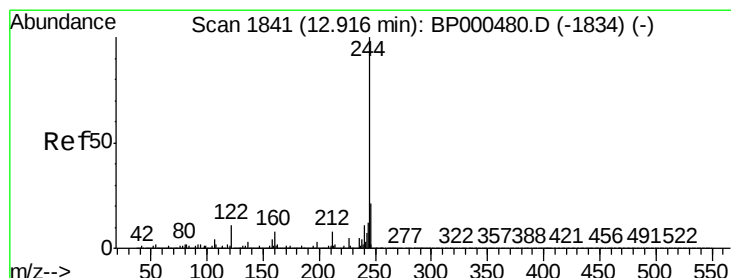
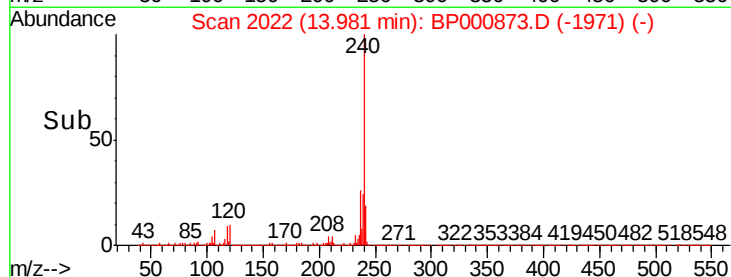
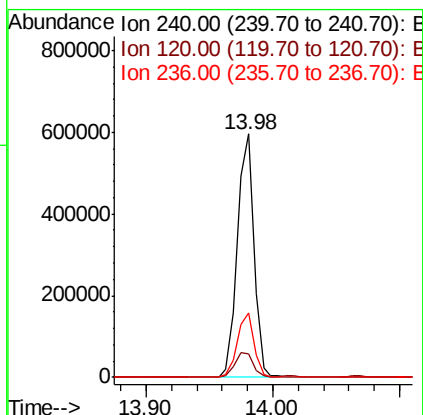
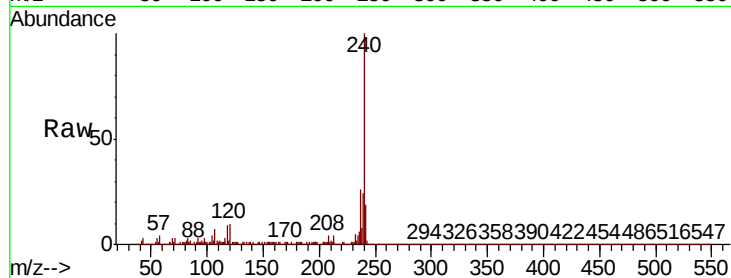




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. 0.00 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

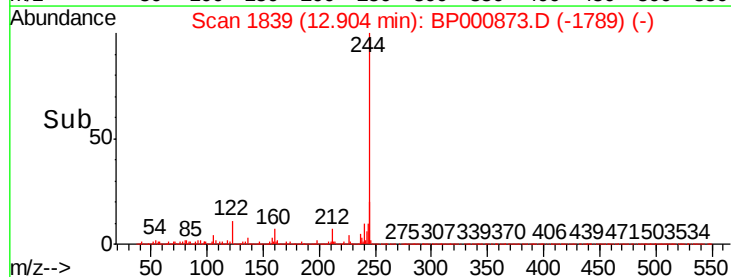
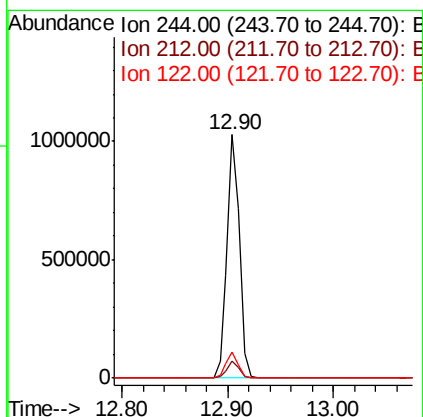
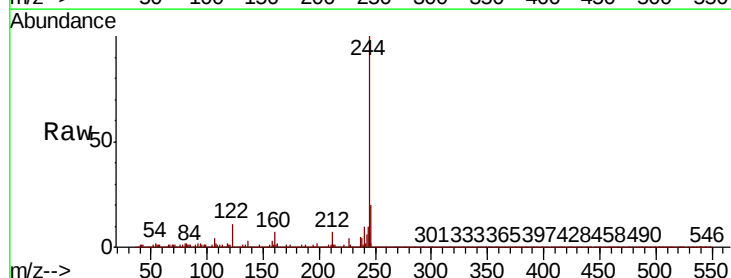
Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

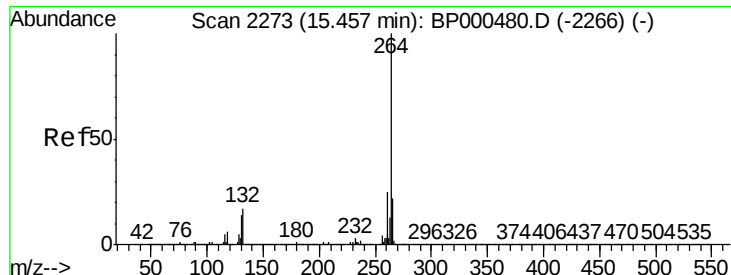
Tot Ion:240 Resp: 530851  
Ion Ratio Lower Upper  
240 100  
120 9.9 10.1 15.1#  
236 26.3 22.7 34.1



#79  
Terphenyl-d14  
Concen: 32.021 ng  
RT: 12.90 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

Tgt Ion:244 Resp: 839539  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.0 9.0  
122 10.8 8.9 13.3

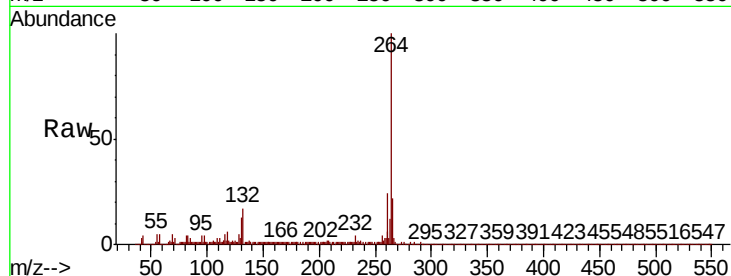




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.00 min  
Lab File: BP000873.D  
Acq: 18 Oct 2019 06:42

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 20.3  | 30.5  |
| 265     | 21.7  | 18.0  | 27.0  |



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

