

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\  
 Data File : BP000455.D  
 Acq On : 27 Sep 2019 14:19  
 Operator : JU  
 Sample : K4663-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Sep 27 23:08:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 19 14:44:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 233718   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 848422   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 468689   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 876870   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 787602   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 858047   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.42  | 112  | 1760738  | 130.06 | ng    | 0.02     |
| 7) Phenol-d6                | 6.43  | 99   | 2200869  | 132.62 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 1272121  | 96.74  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 733791   | 157.85 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 2681508  | 102.97 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 3436909  | 91.54  | ng    | 0.00     |

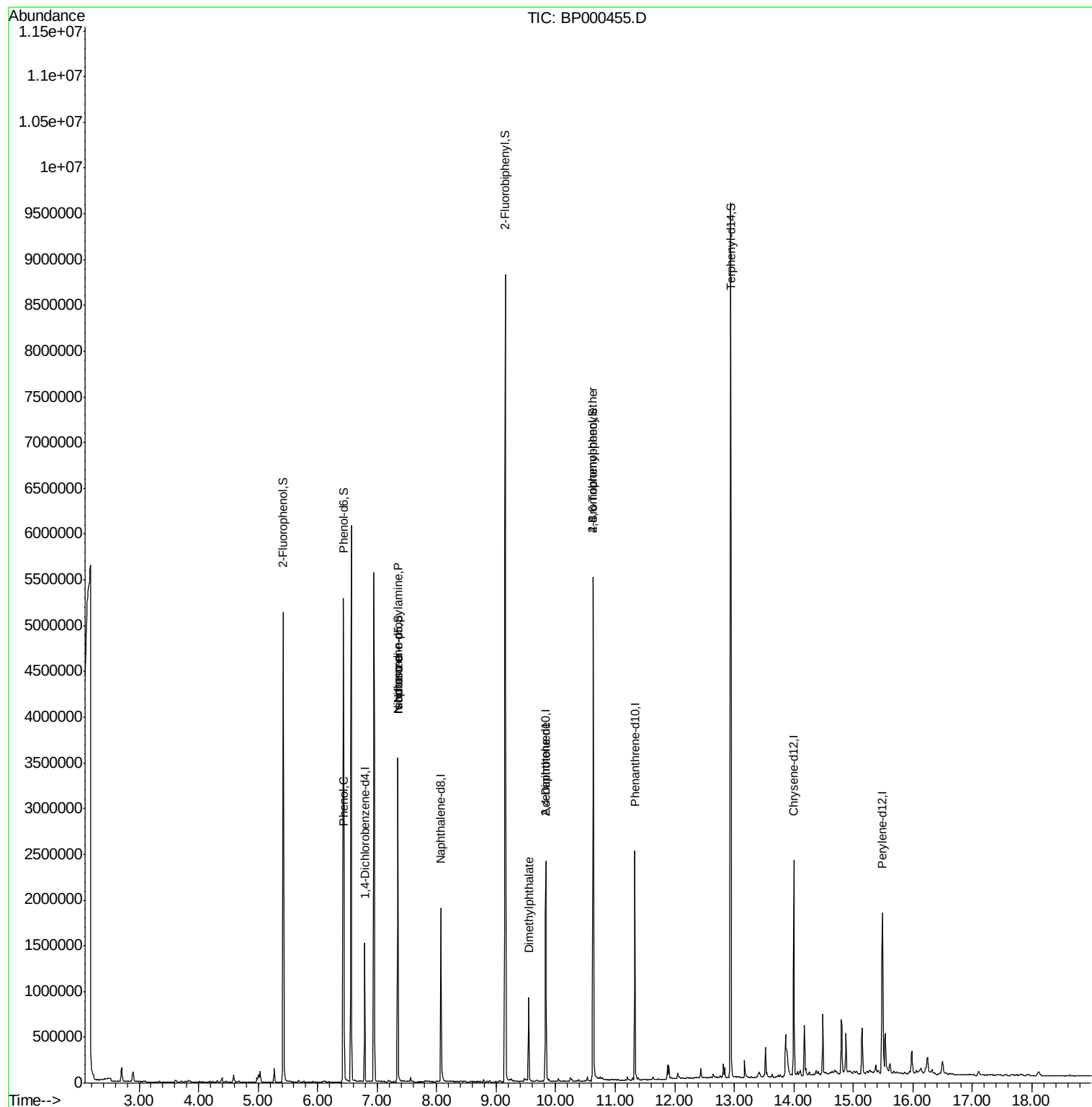
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.43  | 77   | 3909     | Below Cal |       | # 1    |
| 10) Phenol                     | 6.45  | 94   | 132661   | 7.036     | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 157097   | 17.905    | ng    | # 75   |
| 25) Isophorone                 | 7.35  | 82   | 1271920  | 48.848    | ng    | # 63   |
| 50) Dimethylphthalate          | 9.55  | 163  | 380689   | 11.922    | ng    | 99     |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 61011    | 6.647     | ng    | # 35   |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 51059    | 5.149     | ng    | # 1    |
| 69) Atrazine                   | 11.17 | 200  | 26       | Below Cal |       | 79     |

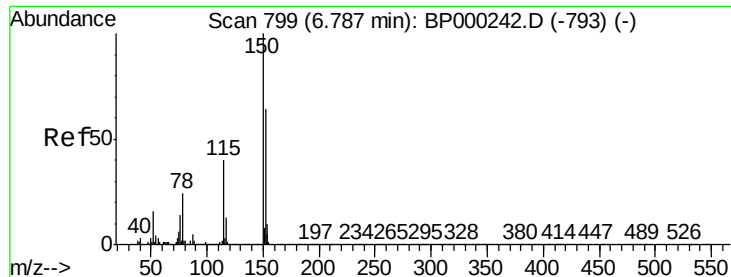
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_P  
ClientSampleId :

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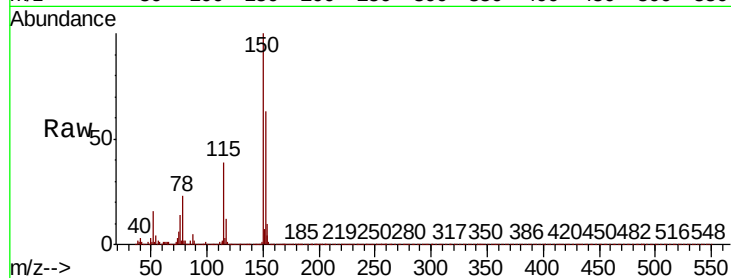


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

Instrument :  
BNA\_P  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.5 | 125.2 | 187.8 |
| 115     | 61.1  | 49.7  | 74.5  |

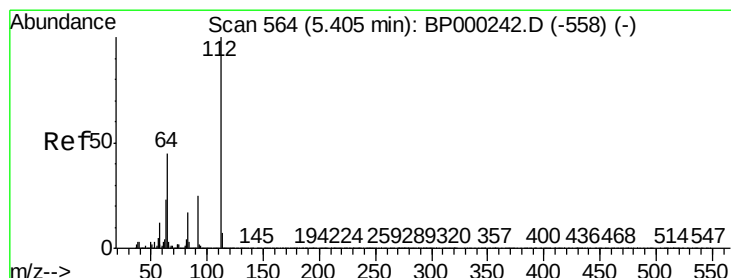
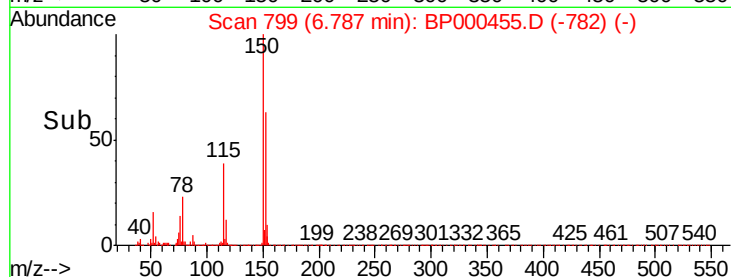
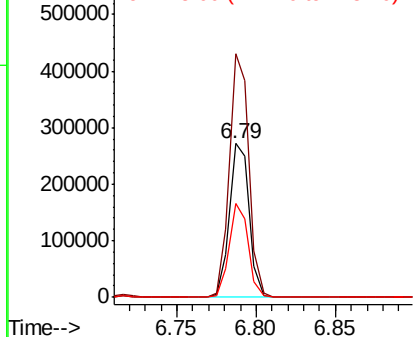


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

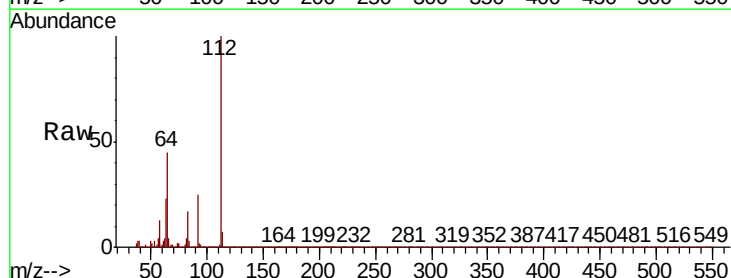
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 130.056 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.02 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 44.8  | 36.2  | 54.4  |
| 63      | 23.2  | 18.3  | 27.5  |

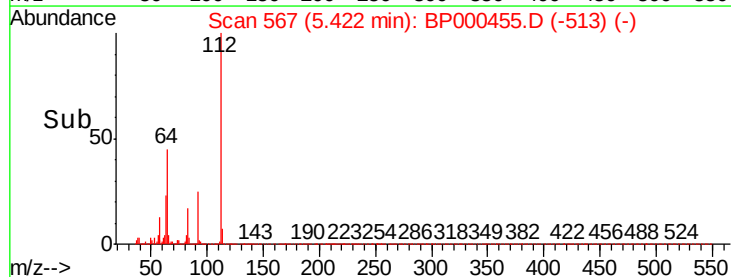
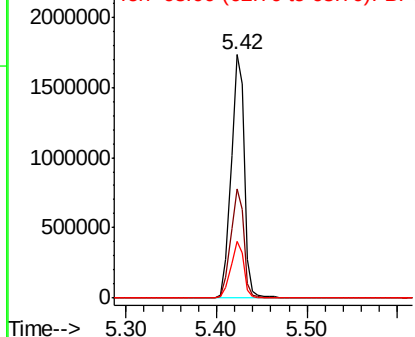


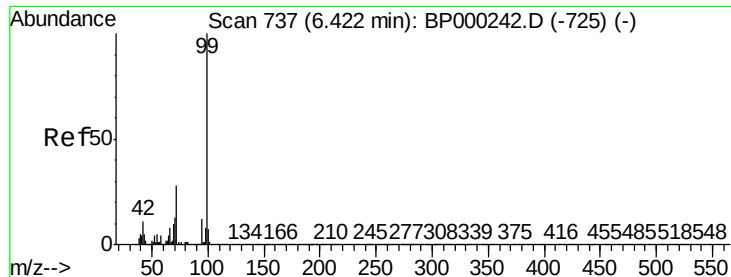
Abundance

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: 132.622 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Instrument :

BNA\_P

ClientSampled :

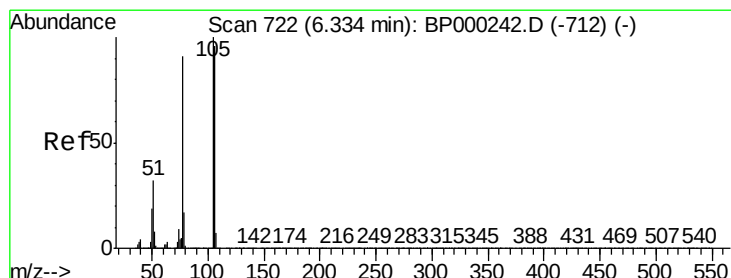
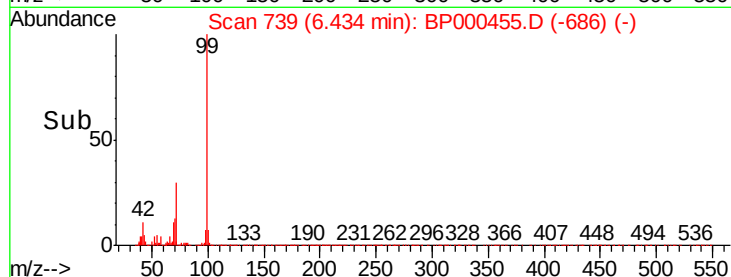
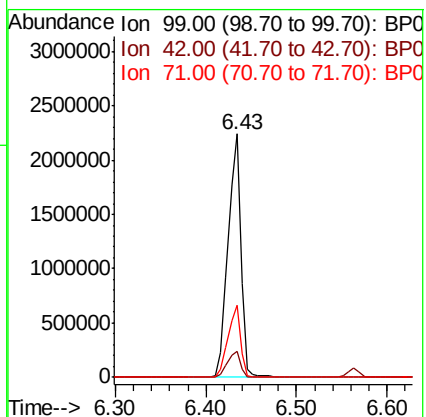
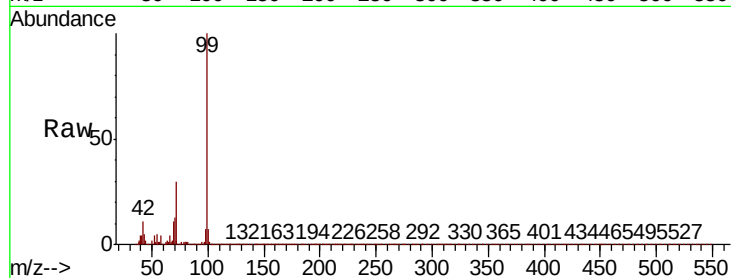
Tot Ion: 99 Resp: 2200869

Ion Ratio Lower Upper

99 100

42 10.7 8.5 12.7

71 29.6 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.43 min Scan# 739

Delta R.T. 0.10 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

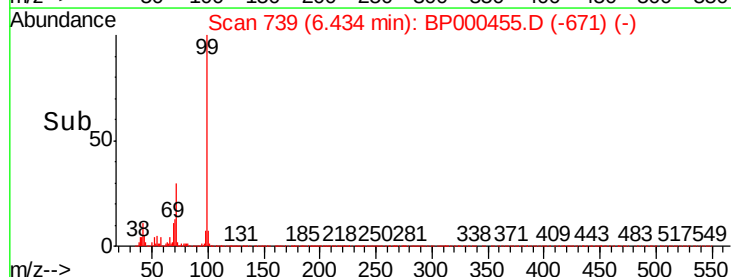
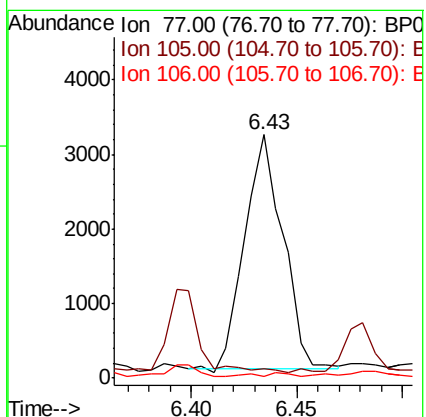
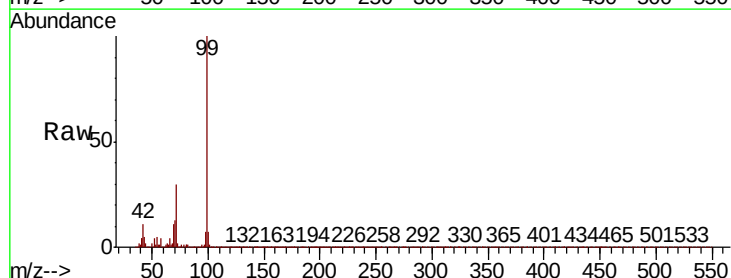
Tgt Ion: 77 Resp: 3909

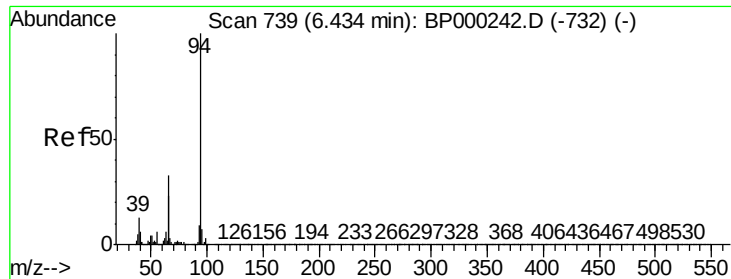
Ion Ratio Lower Upper

77 100

105 3.7 89.6 129.6#

106 0.5 84.6 124.6#





#10

Phenol

Concen: 7.036 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Instrument :

BNA\_P

ClientSampleId :

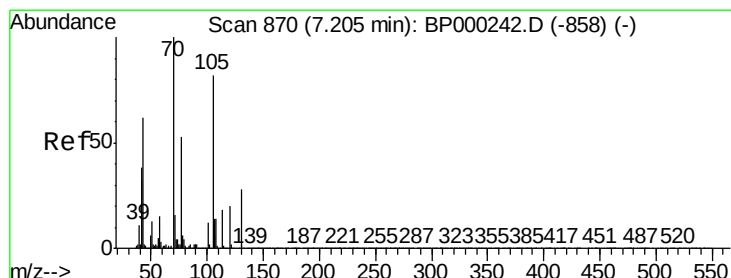
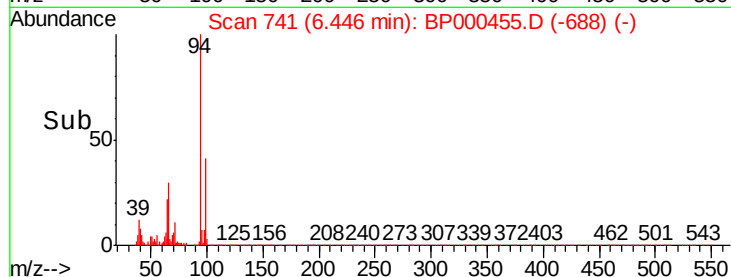
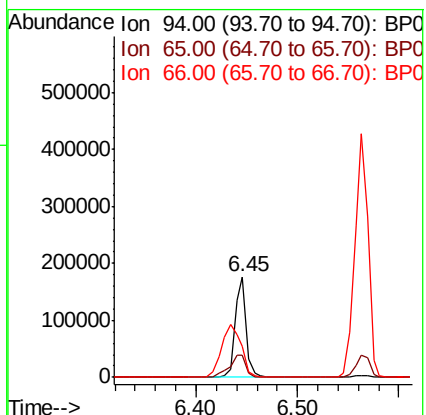
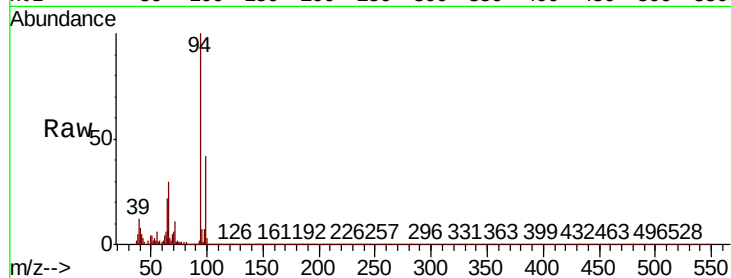
Tot Ion: 94 Resp: 132661

Ion Ratio Lower Upper

94 100

65 22.5 3.3 43.3

66 30.3 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 17.905 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Tgt Ion: 70 Resp: 157097

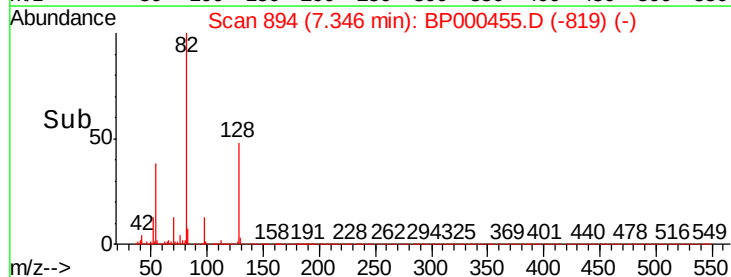
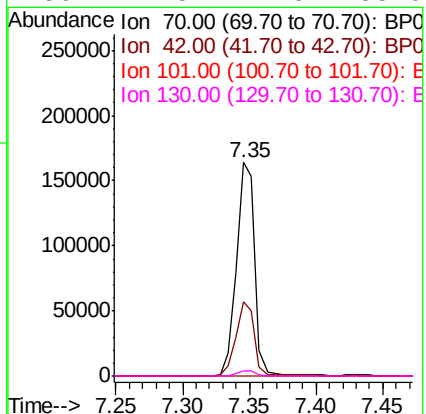
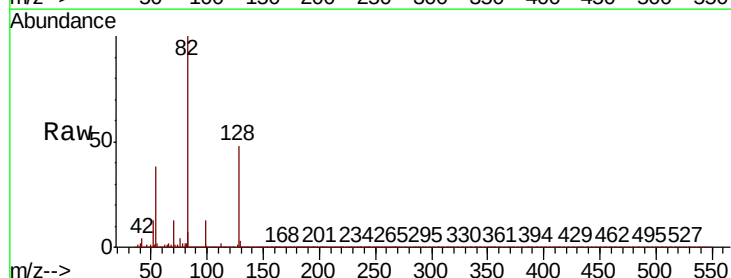
Ion Ratio Lower Upper

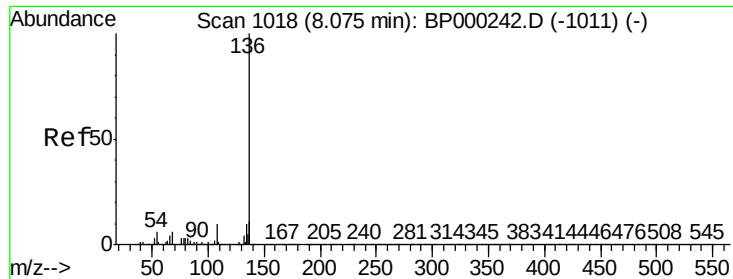
70 100

42 34.7 30.7 46.1

101 0.1 9.6 14.4#

130 2.5 22.0 33.0#

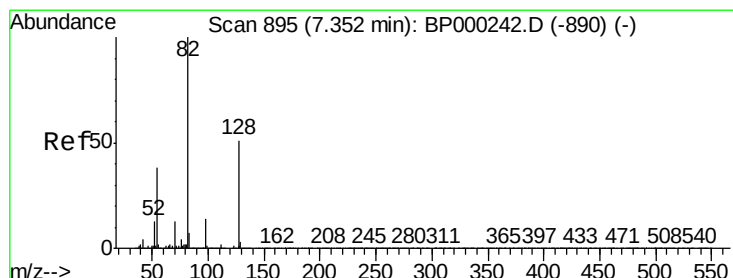
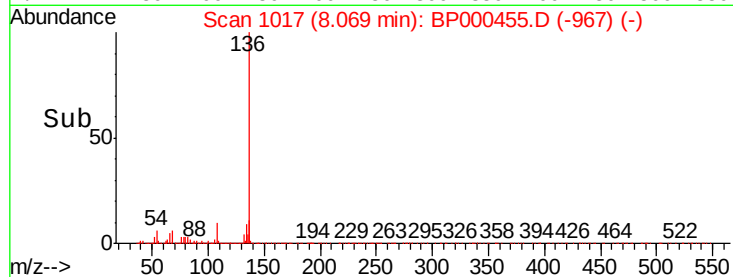
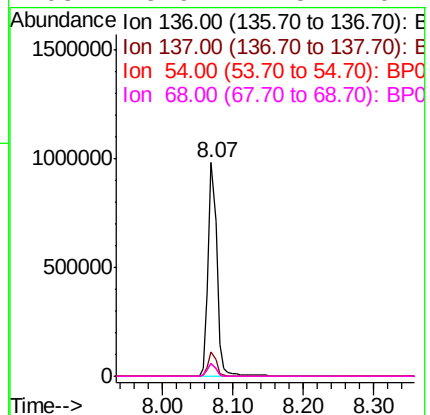
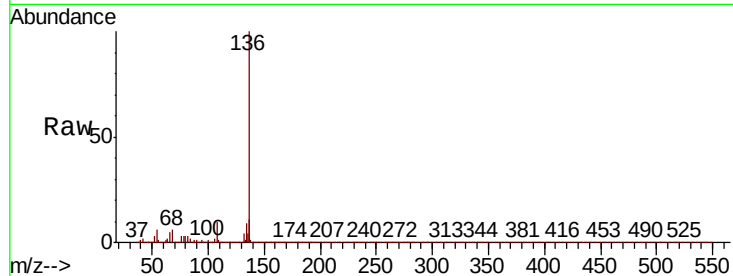




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

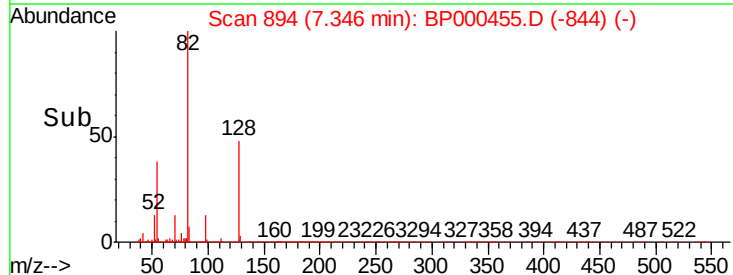
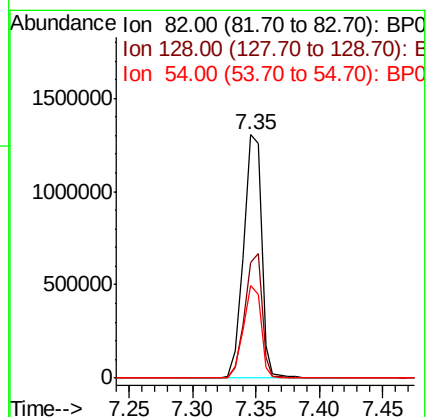
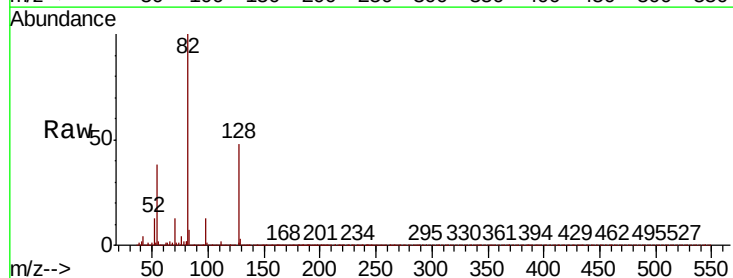
Instrument :  
BNA\_P  
ClientSampled :

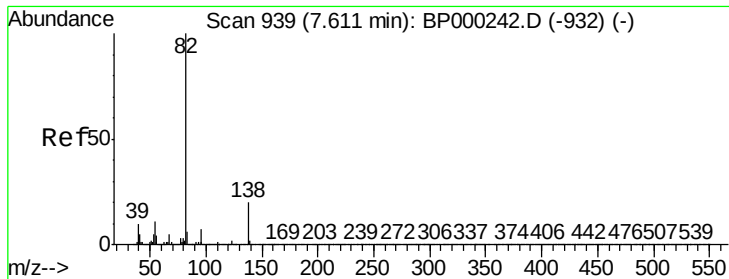
| Tot Ion:136 | Resp: | 848422      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.2  | 8.6 13.0    |
| 54          | 5.9   | 4.5 6.7     |
| 68          | 5.9   | 4.5 6.7     |



#23  
Nitrobenzene-d5  
Concen: 96.740 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

| Tgt Ion: 82 | Resp: | 1272121     |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 47.6  | 40.7 61.1   |
| 54          | 38.1  | 30.1 45.1   |





#25

Isophorone

Concen: 48.848 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Instrument :

BNA\_P

ClientSampleId :

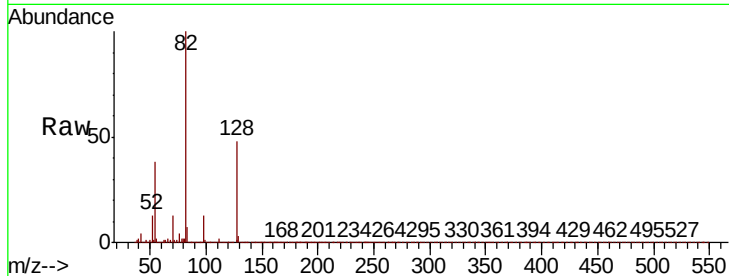
Tot Ion: 82 Resp: 1271920

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

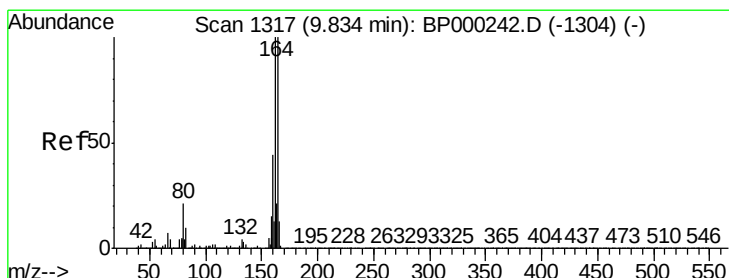
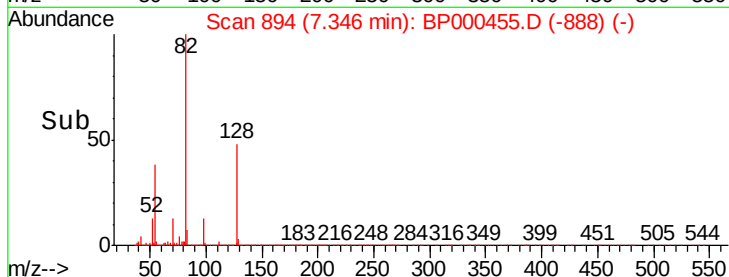
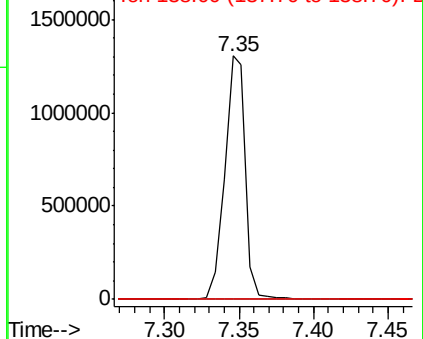
138 0.0 15.9 23.9#



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: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

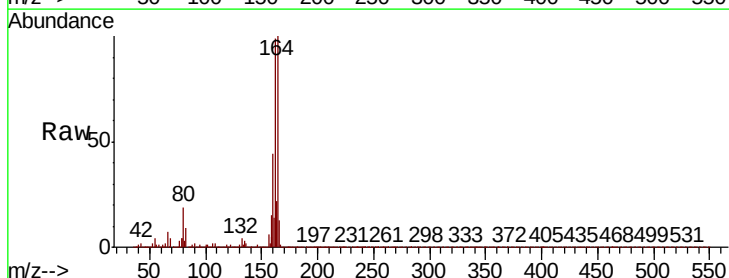
Tgt Ion:164 Resp: 468689

Ion Ratio Lower Upper

164 100

162 99.5 79.9 119.9

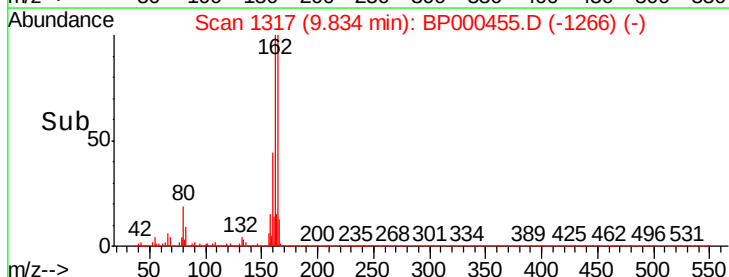
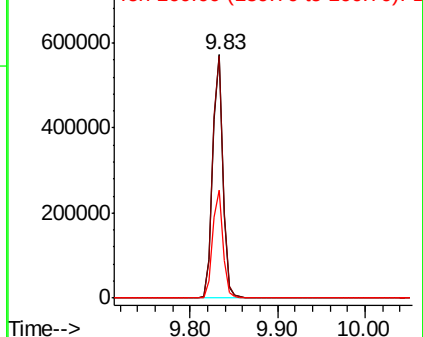
160 44.2 35.6 53.4

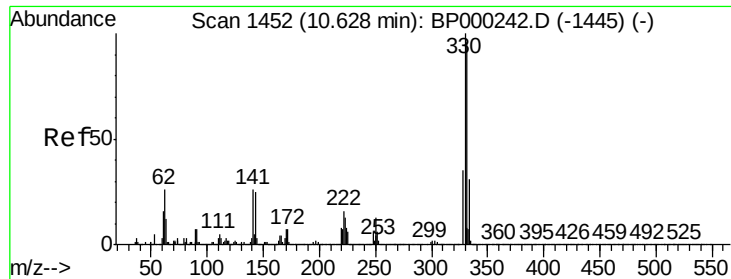


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

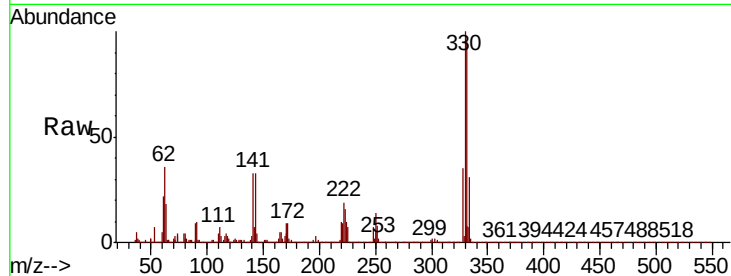




#42  
2,4,6-Tribromophenol  
Concen: 157.847 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.00 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 76.6  | 115.0 |
| 141     | 31.4  | 26.5  | 39.7  |

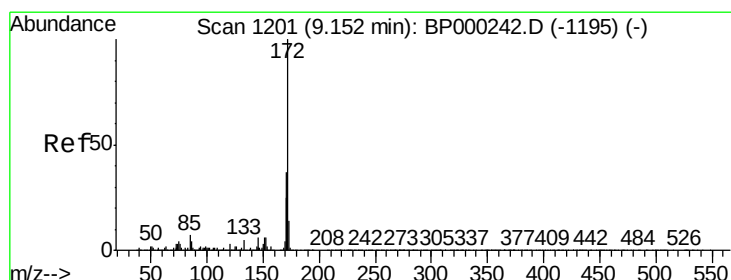
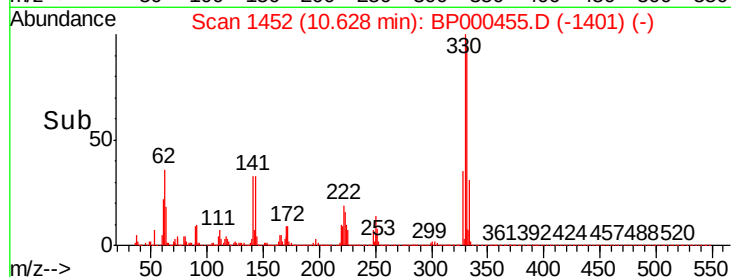
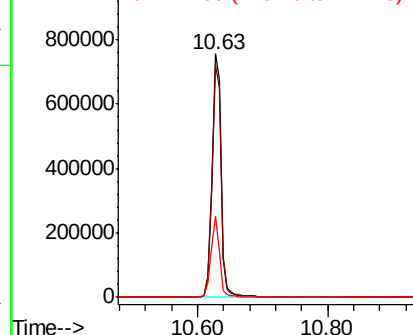


Abundance

Ion 329.80 (329.50 to 330.50): E

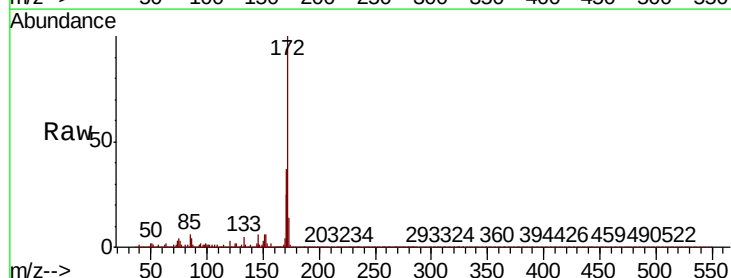
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 102.972 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 29.8  | 44.6  |
| 170     | 24.7  | 19.8  | 29.6  |

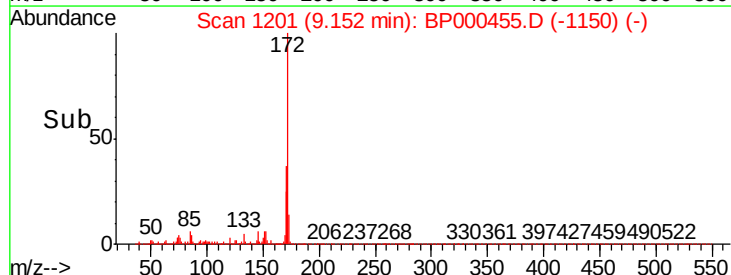
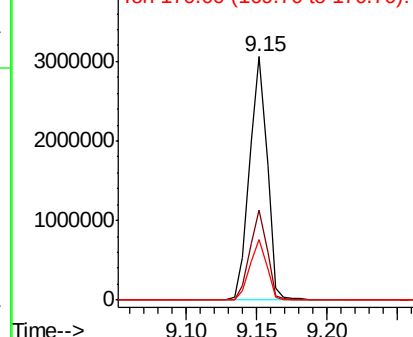


Abundance

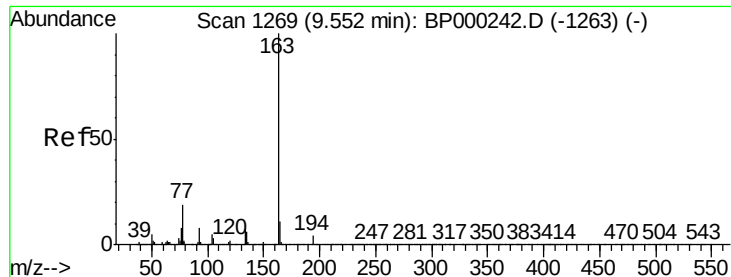
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E







#50

Dimethylphthalate

Concen: 11.922 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Instrument :

BNA\_P

ClientSampleId :

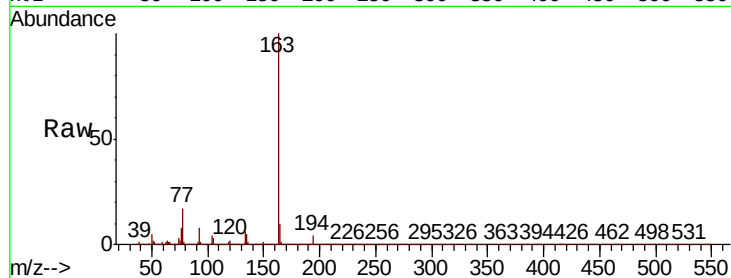
Tot Ion:163 Resp: 380689

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

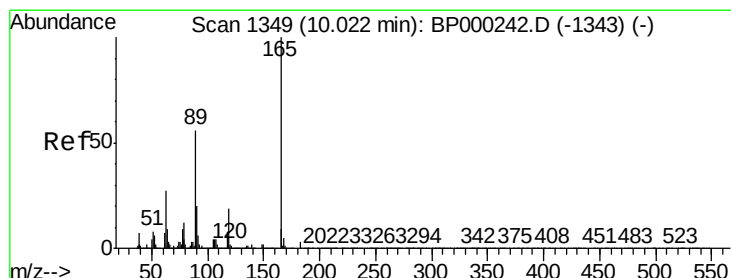
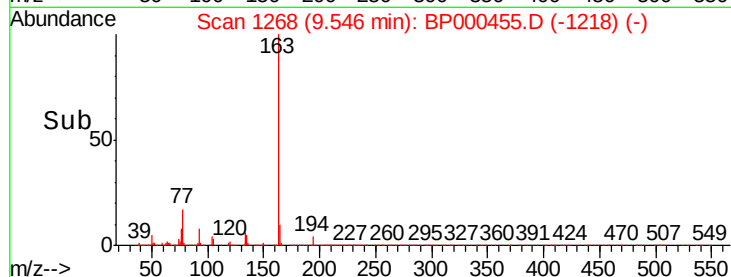
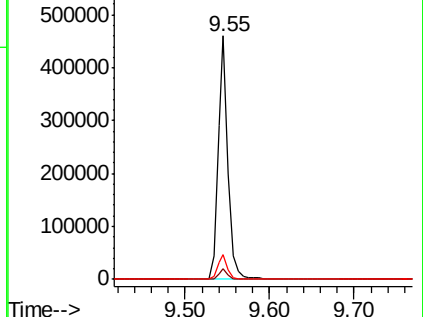
164 10.2 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.647 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Tgt Ion:165 Resp: 61011

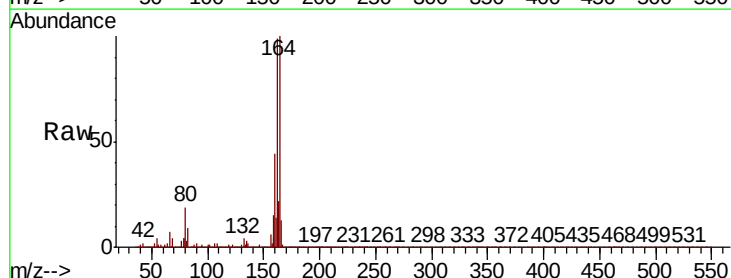
Ion Ratio Lower Upper

165 100

63 1.0 21.7 32.5#

89 1.2 45.0 67.6#

182 0.1 2.4 3.6#

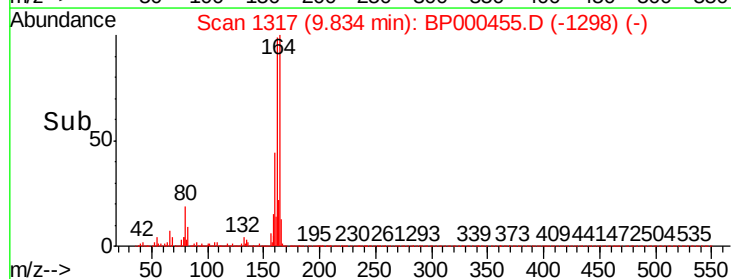
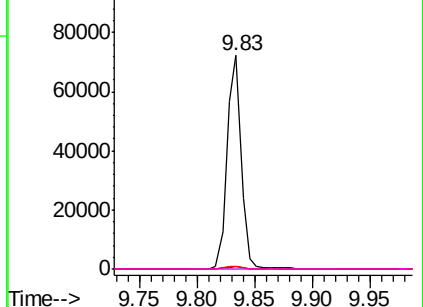


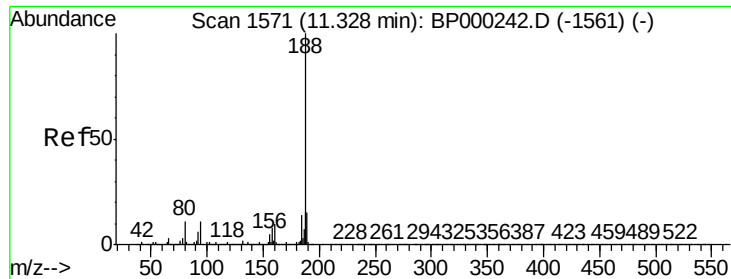
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

Instrument :

BNA\_P

ClientSampleId :

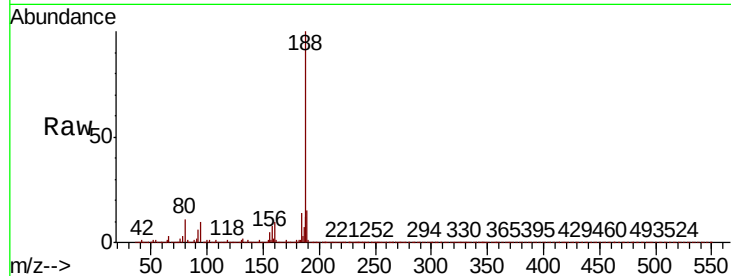
Tot Ion:188 Resp: 876870

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

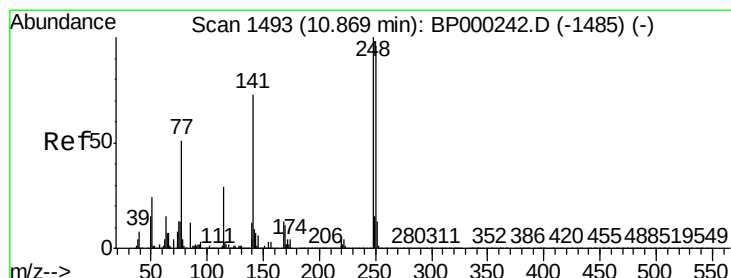
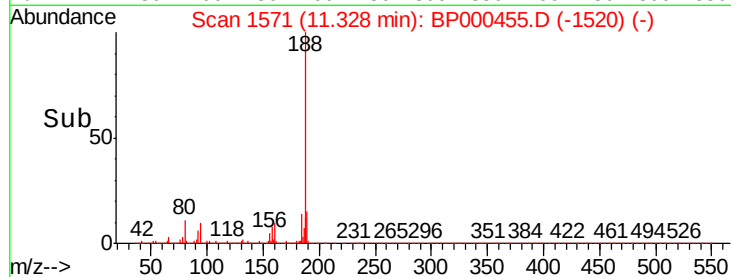
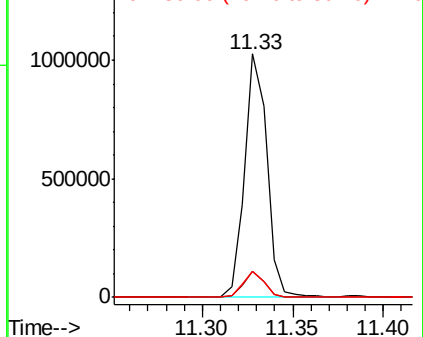
80 10.7 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 5.149 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BP000455.D

Acq: 27 Sep 2019 14:19

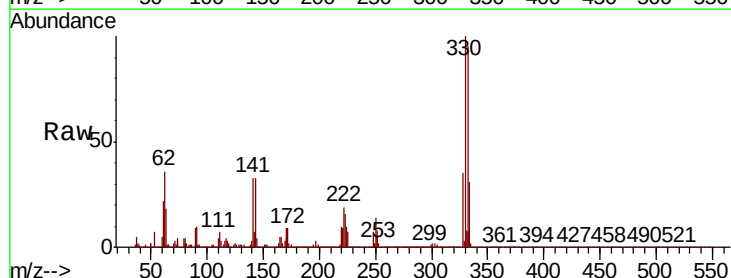
Tgt Ion:248 Resp: 51059

Ion Ratio Lower Upper

248 100

250 195.8 77.0 115.4#

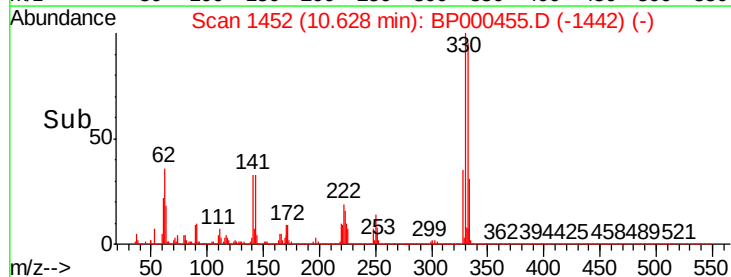
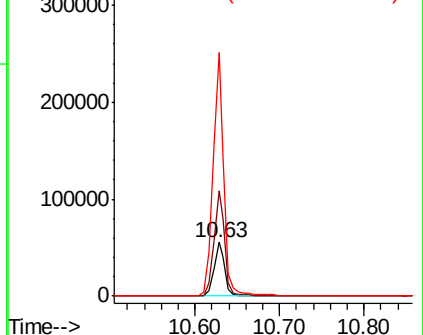
141 449.8 58.5 87.7#

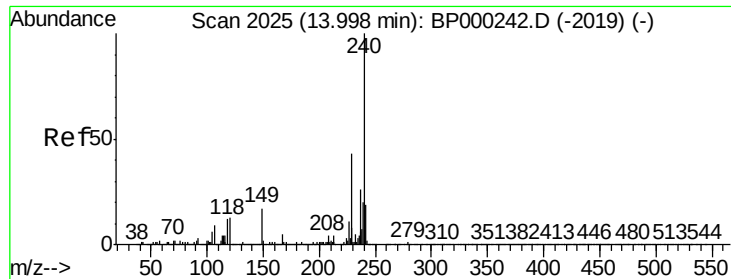


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

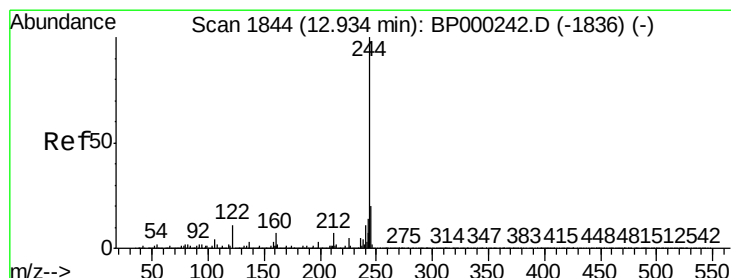
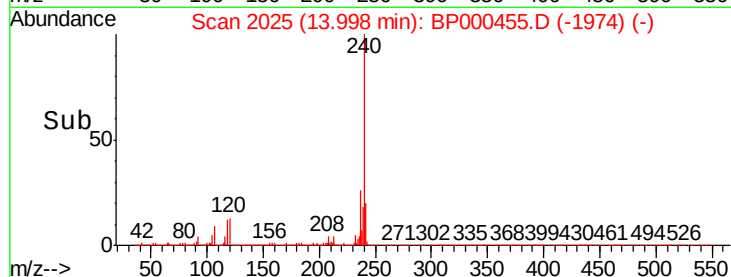
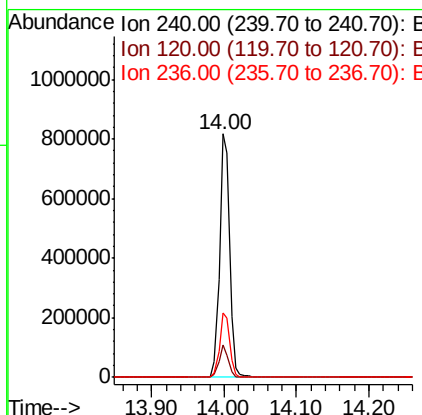
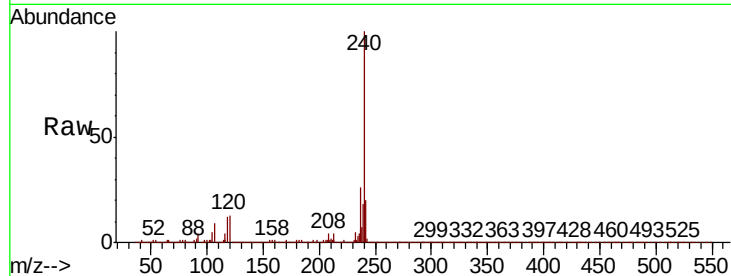




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.00 min  
 Lab File: BP000455.D  
 Acq: 27 Sep 2019 14:19

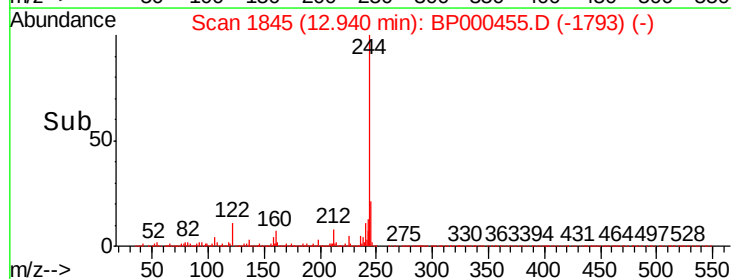
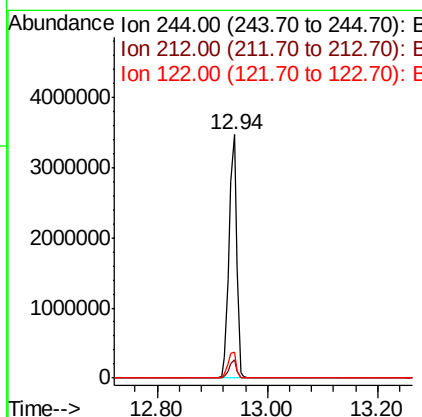
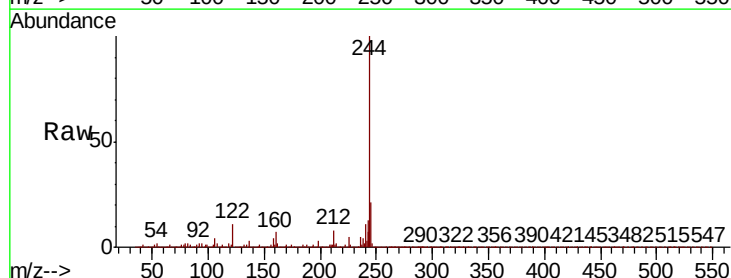
Instrument :  
 BNA\_P  
 ClientSampled :

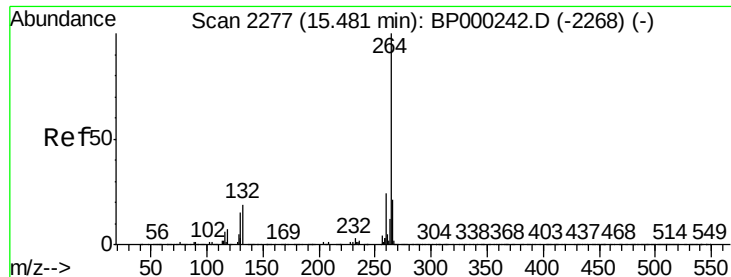
Tot Ion:240 Resp: 787602  
 Ion Ratio Lower Upper  
 240 100  
 120 13.3 10.4 15.6  
 236 26.2 21.0 31.6



#79  
 Terphenyl-d14  
 Concen: 91.545 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. 0.01 min  
 Lab File: BP000455.D  
 Acq: 27 Sep 2019 14:19

Tgt Ion:244 Resp: 3436909  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 5.9 8.9  
 122 10.5 9.0 13.4

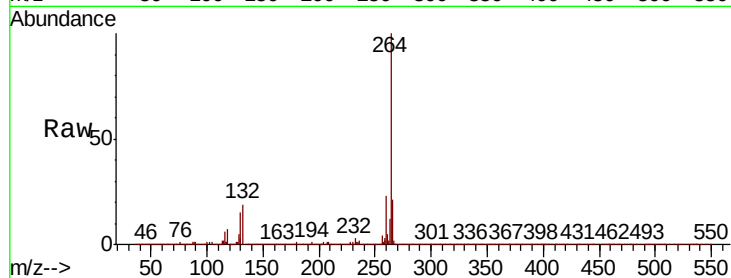




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. 0.01 min  
Lab File: BP000455.D  
Acq: 27 Sep 2019 14:19

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.9  | 28.3  |
| 265     | 21.0  | 17.2  | 25.8  |



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

