

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\  
 Data File : BF116880.D  
 Acq On : 7 Sep 2019 9:03  
 Operator : HP/JU  
 Sample : K4689-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5A

Quant Time: Sep 09 01:15:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

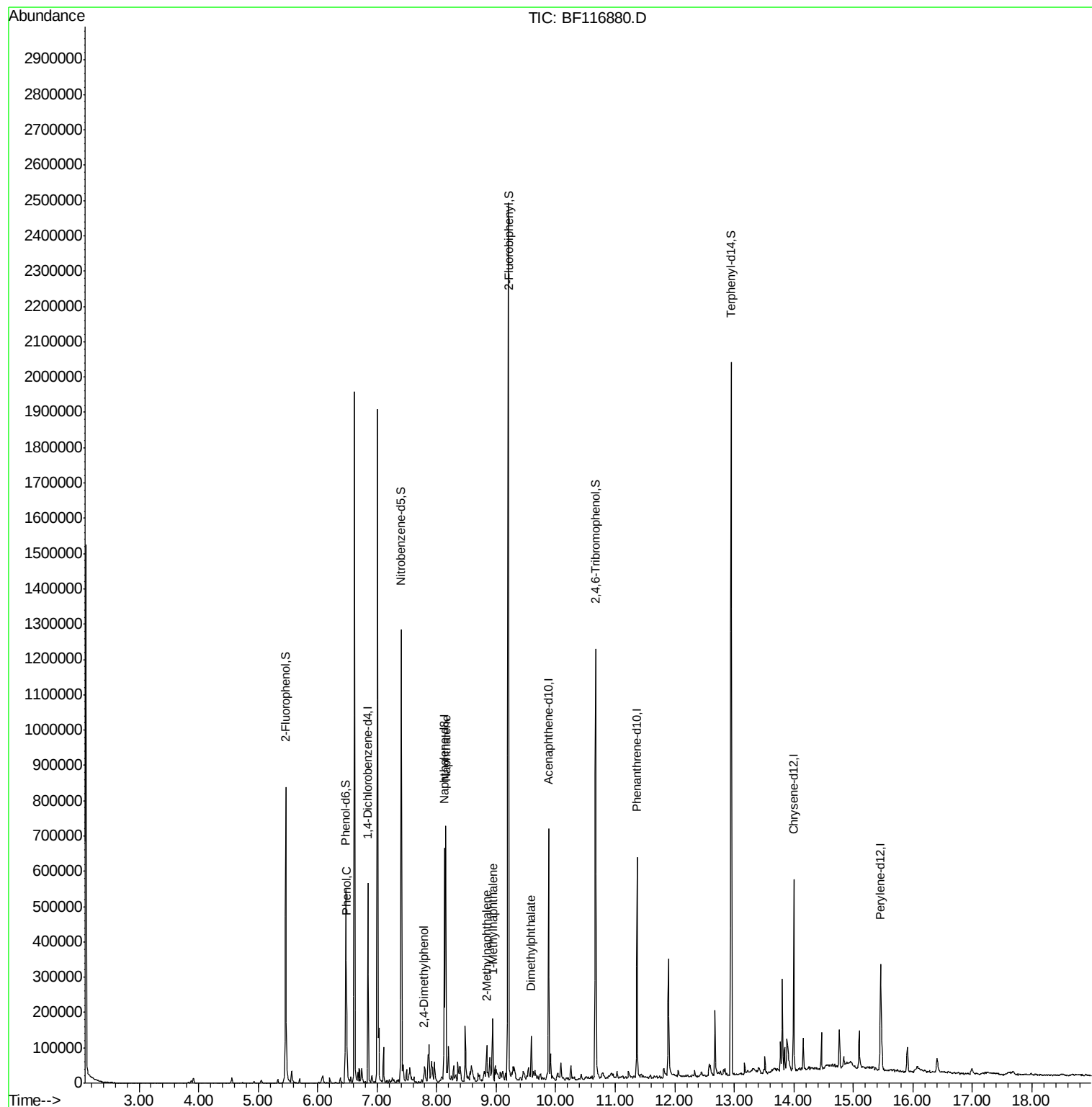
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 76760    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 288745   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.88  | 164  | 139571   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.36 | 188  | 195175   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.00 | 240  | 155317   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.46 | 264  | 133839   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 261562   | 55.20  | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 216236   | 34.76  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 469392   | 92.80  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 132704   | 142.22 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 793518   | 95.91  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.95 | 244  | 639421   | 76.16  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.49  | 94   | 21776    | 3.161  | ng    | 94       |
| 27) 2,4-Dimethylphenol      | 7.78  | 122  | 10769    | 2.788  | ng    | 89       |
| 31) Naphthalene             | 8.15  | 128  | 320833   | 23.367 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.84  | 142  | 24864    | 2.722  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.94  | 142  | 43692    | 5.066  | ng    | 98       |
| 50) Dimethylphthalate       | 9.59  | 163  | 53624    | 5.565  | ng    | 98       |

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

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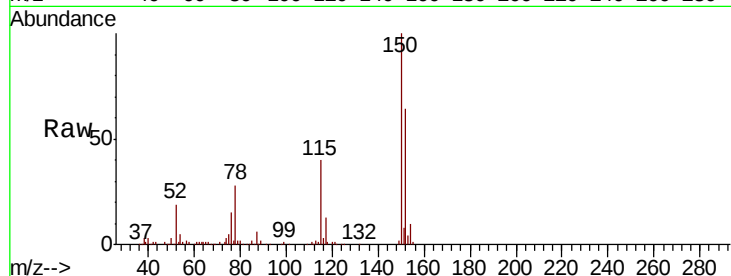


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 124.4 | 186.6 |
| 115     | 63.1  | 49.9  | 74.9  |

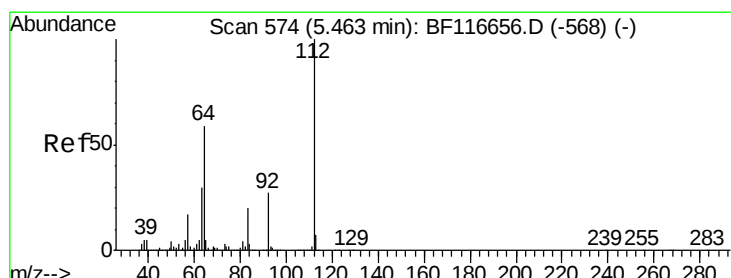
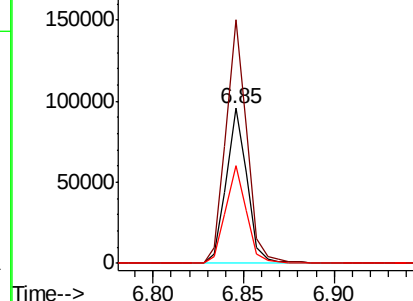
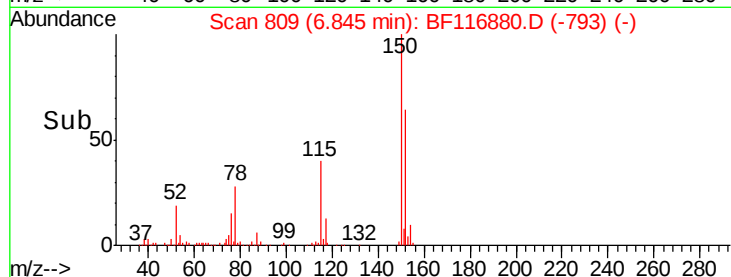


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

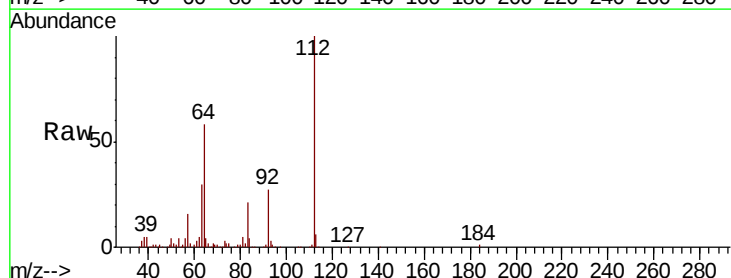
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 55.204 ng  
RT: 5.46 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.1  | 47.1  | 70.7  |
| 63      | 29.9  | 24.9  | 37.3  |

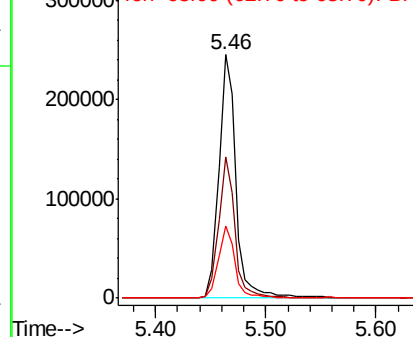
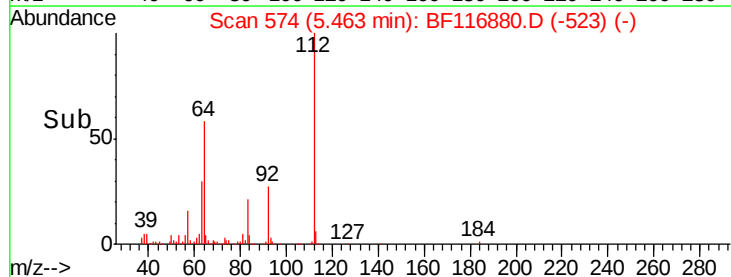


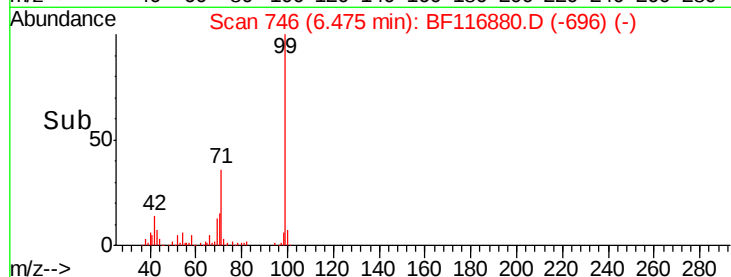
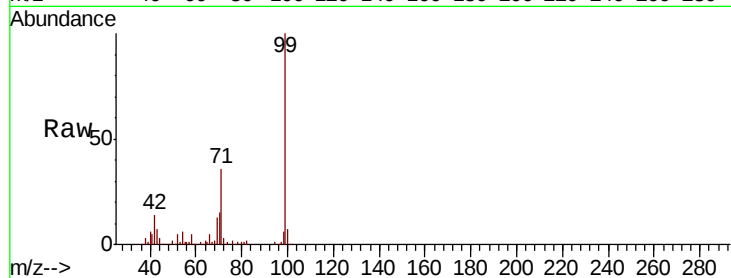
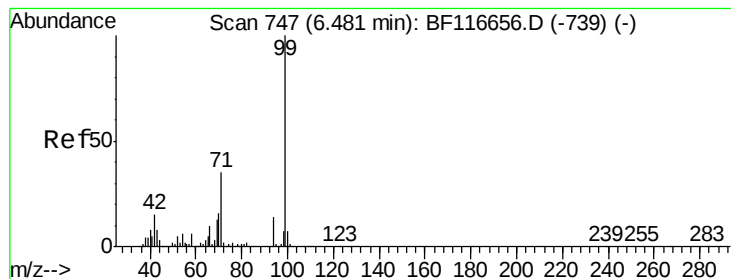
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 34.755 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116880.D

Acq: 7 Sep 2019 9:03

Instrument :

BNA\_F

ClientSampleId :

MW-5A

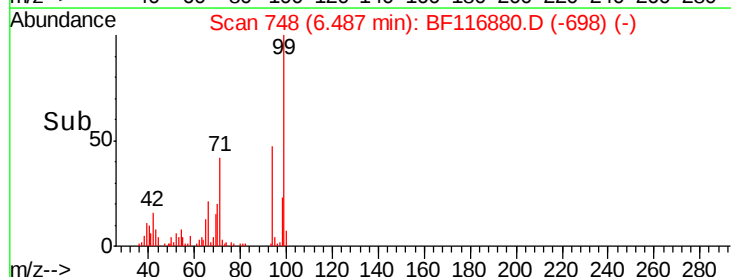
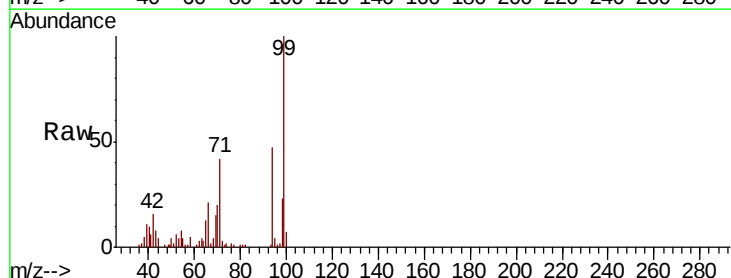
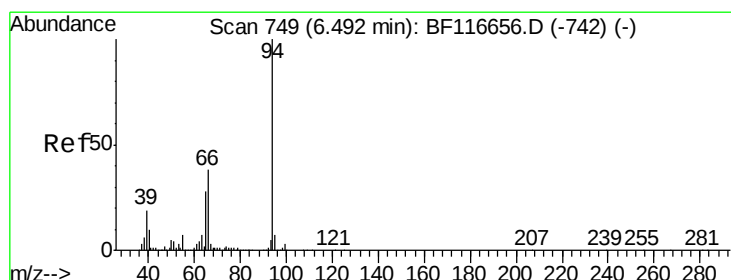
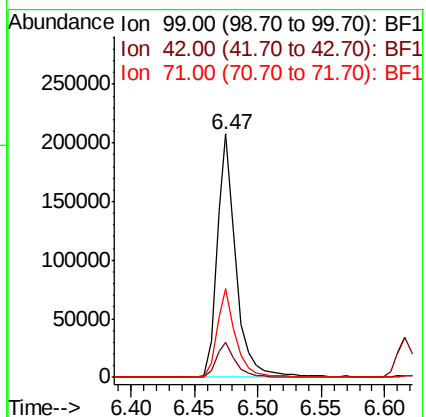
Tot Ion: 99 Resp: 216236

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

71 36.4 30.8 46.2



#10

Phenol

Concen: 3.161 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116880.D

Acq: 7 Sep 2019 9:03

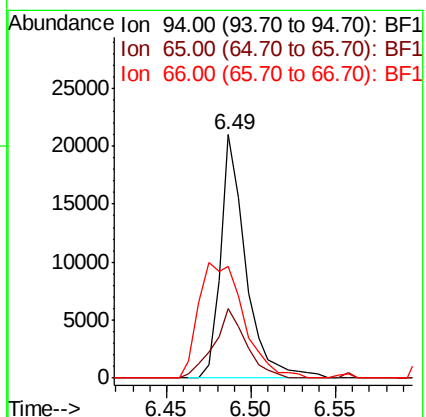
Tgt Ion: 94 Resp: 21776

Ion Ratio Lower Upper

94 100

65 28.3 10.8 50.8

66 45.8 21.1 61.1

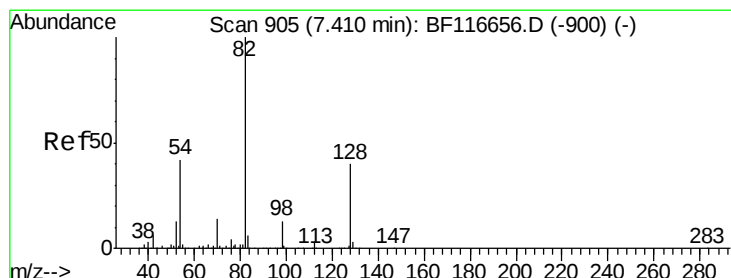
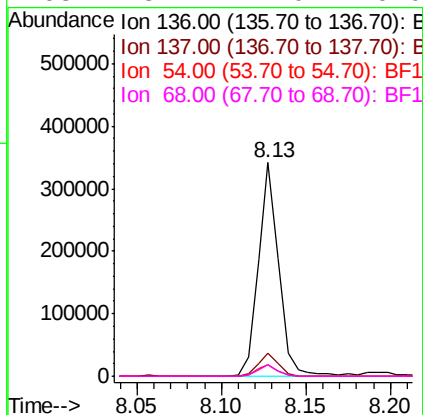
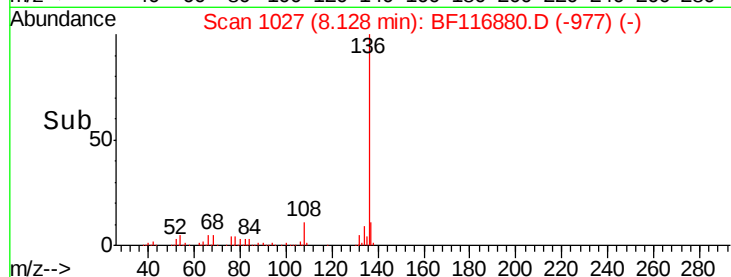
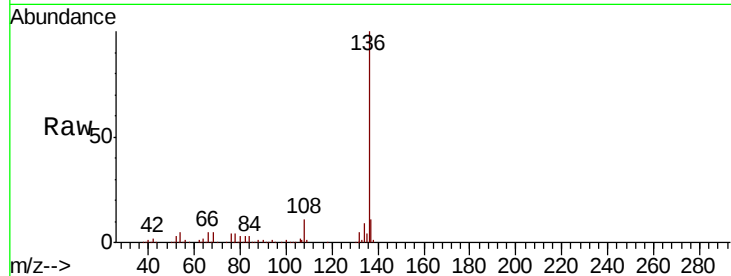




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

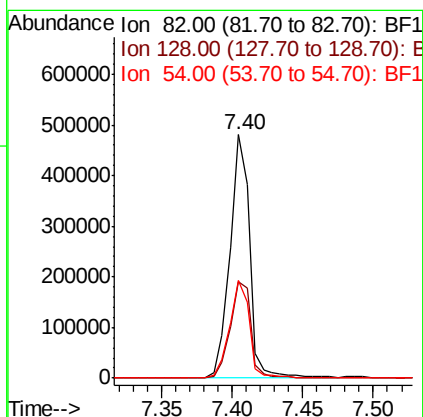
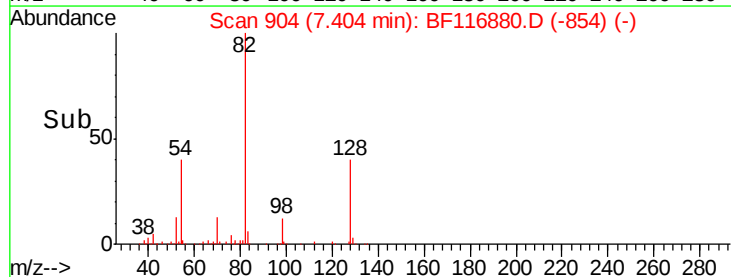
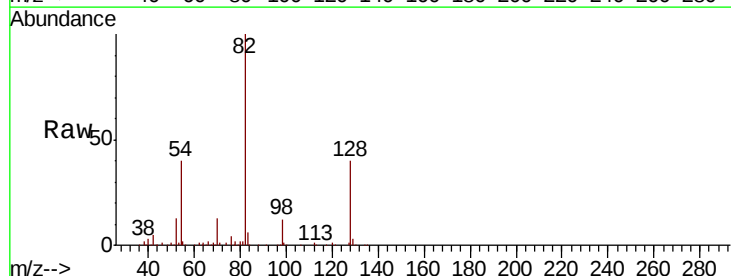
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5A

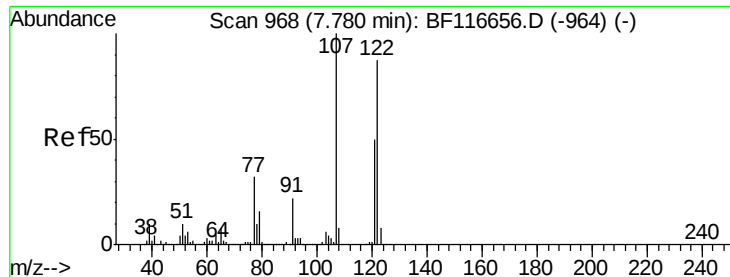
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 288745 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.7    | 8.9 13.3     |
| 54 5.3      | 4.8 7.2      |
| 68 5.1      | 4.0 6.0      |



#23  
Nitrobenzene-d5  
Concen: 92.803 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.01 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 469392 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 39.8    | 32.8 49.2    |
| 54 40.3     | 36.9 55.3    |

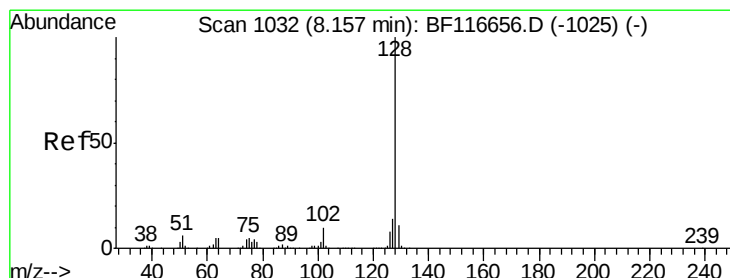
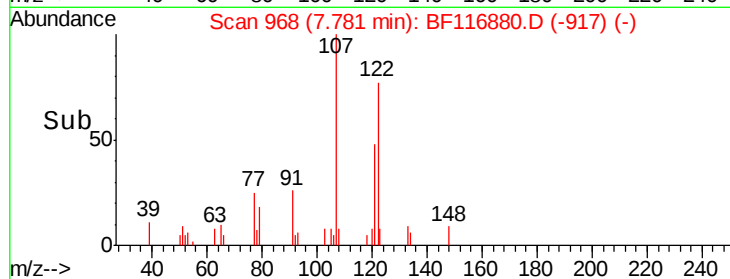
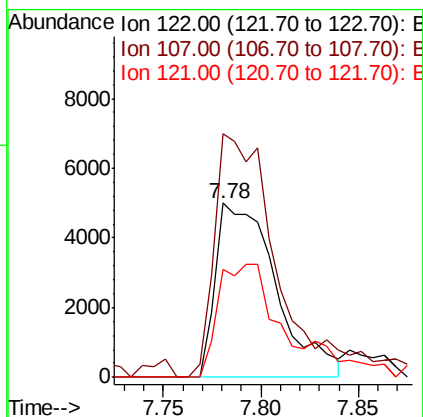
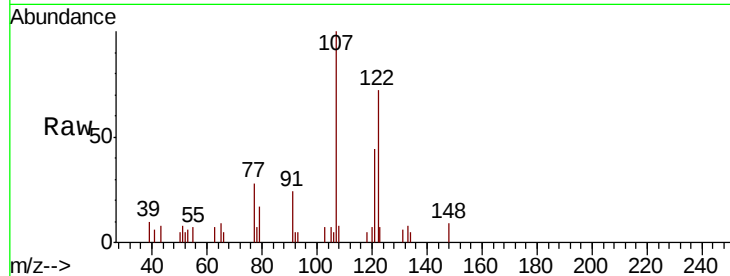




#27  
 2,4-Dimethylphenol  
 Concen: 2.788 ng  
 RT: 7.78 min Scan# 968  
 Delta R.T. 0.00 min  
 Lab File: BF116880.D  
 Acq: 7 Sep 2019 9:03

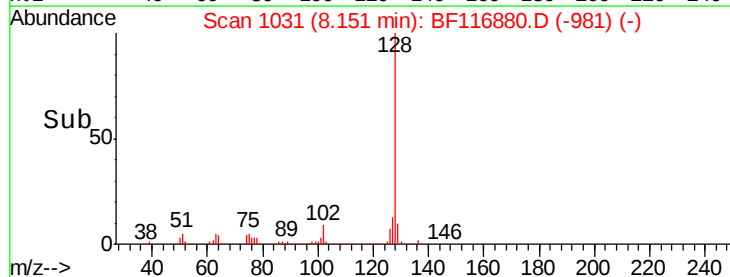
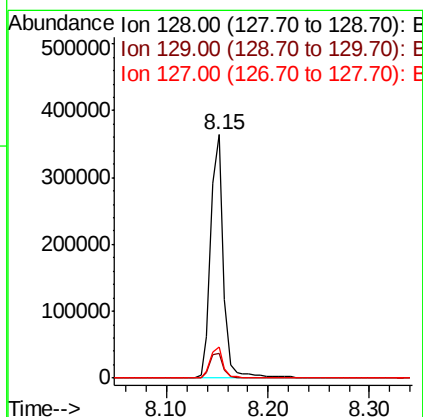
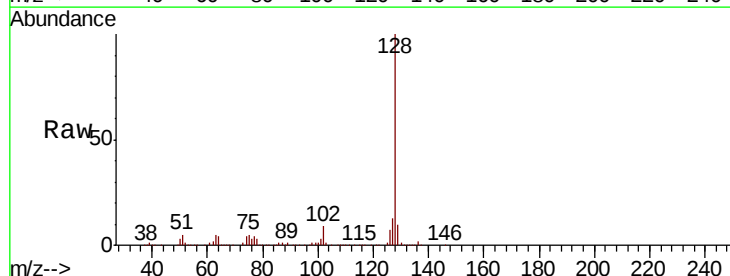
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5A

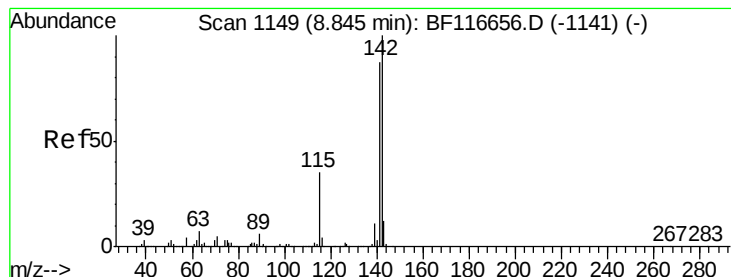
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 139.7 | 98.1  | 147.1 |
| 121     | 62.0  | 47.3  | 70.9  |



#31  
 Naphthalene  
 Concen: 23.367 ng  
 RT: 8.15 min Scan# 1031  
 Delta R.T. -0.01 min  
 Lab File: BF116880.D  
 Acq: 7 Sep 2019 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.3  | 8.6   | 13.0  |
| 127     | 12.7  | 10.4  | 15.6  |

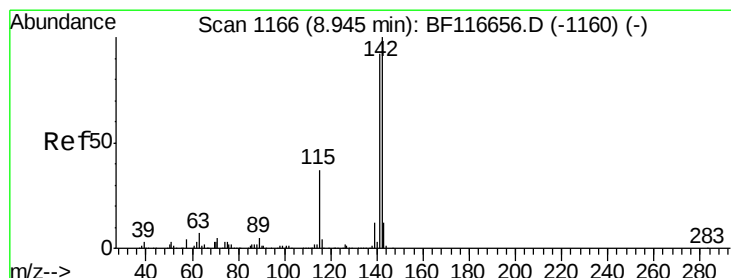
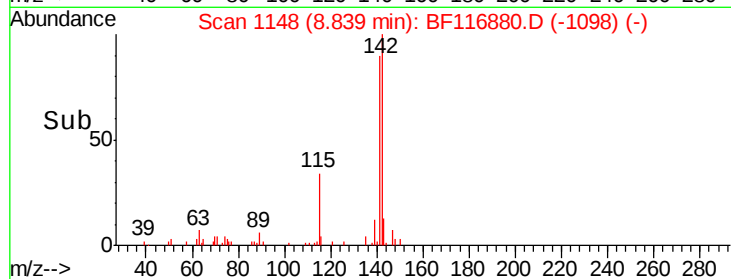
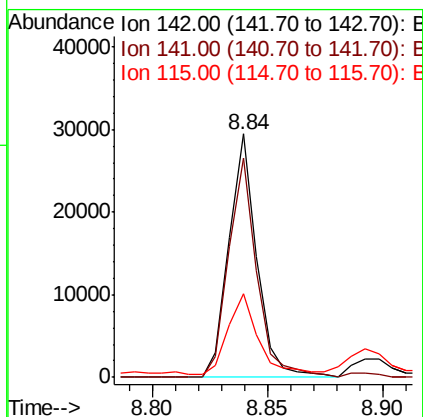
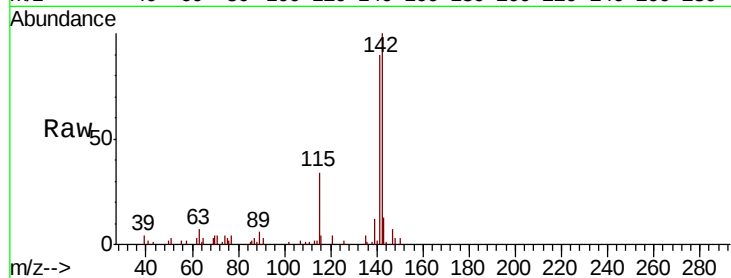




#37  
2-Methylnaphthalene  
Concen: 2.722 ng  
RT: 8.84 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

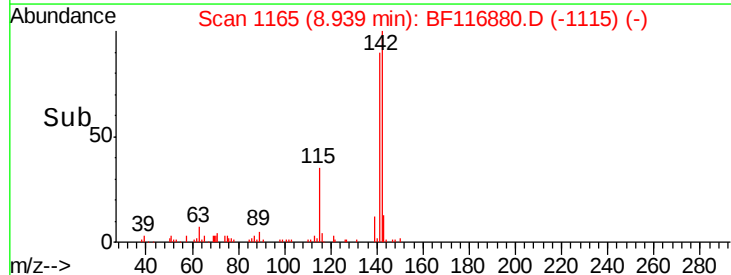
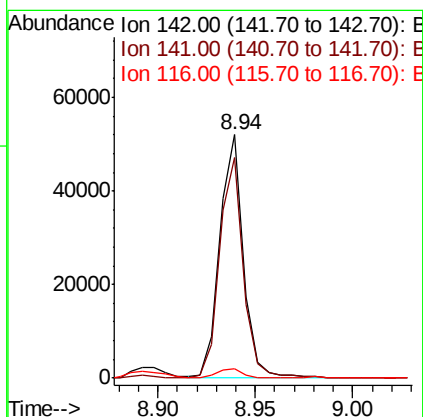
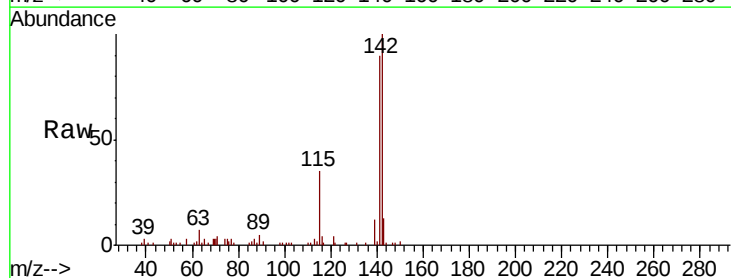
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5A

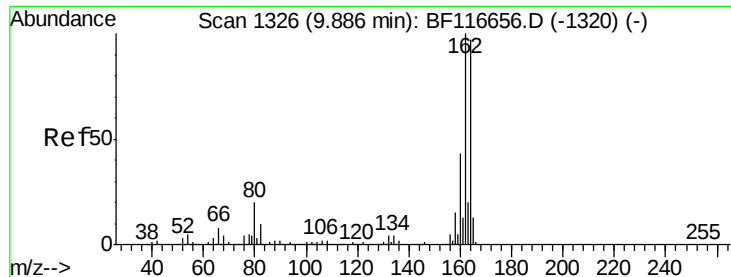
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.2  | 72.6  | 109.0 |
| 115     | 34.4  | 29.8  | 44.6  |



#38  
1-Methylnaphthalene  
Concen: 5.066 ng  
RT: 8.94 min Scan# 1165  
Delta R.T. -0.01 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.4  | 73.9  | 110.9 |
| 116     | 4.1   | 3.0   | 4.6   |

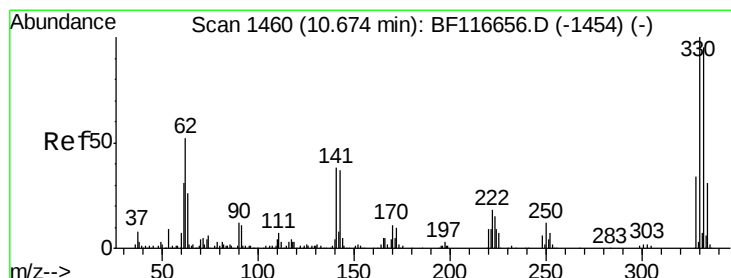
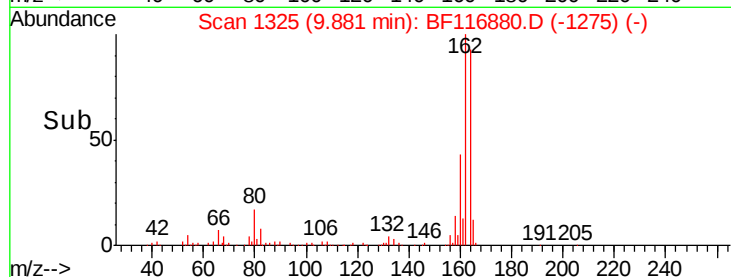
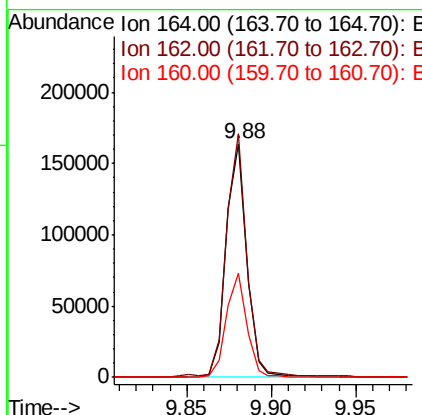
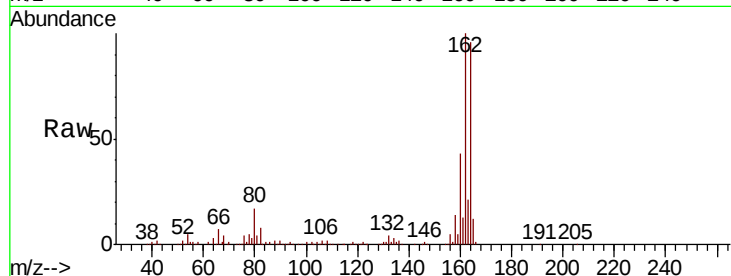




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.01 min  
 Lab File: BF116880.D  
 Acq: 7 Sep 2019 9:03

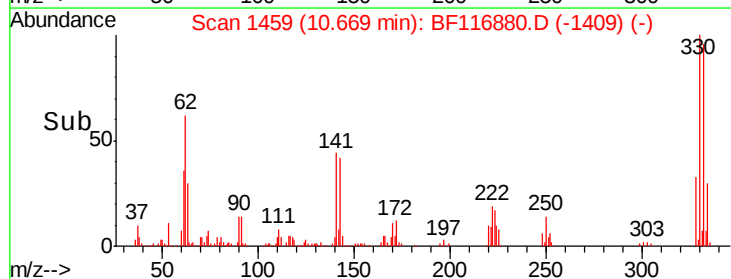
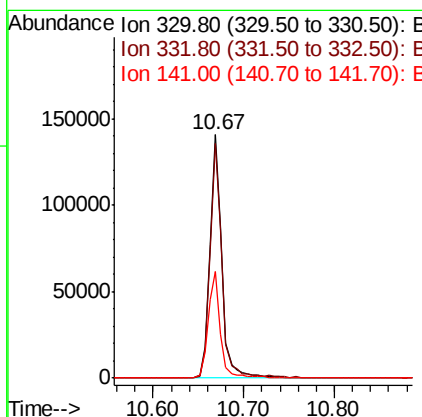
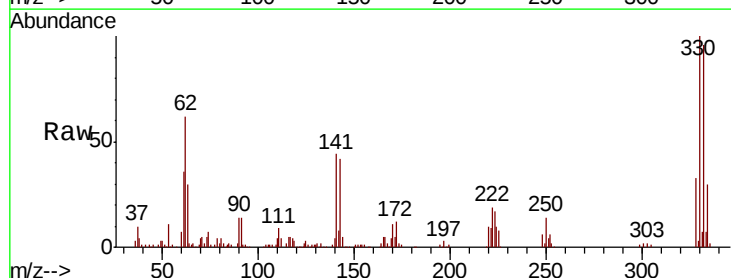
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5A

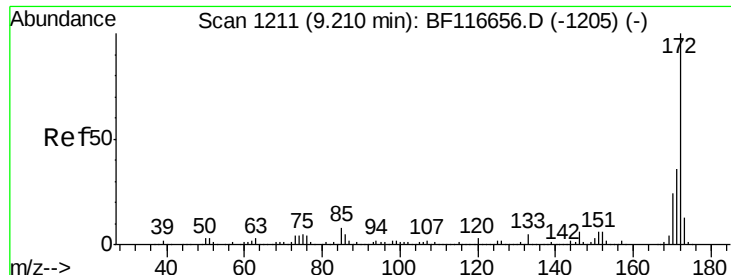
Tot Ion:164 Resp: 139571  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 81.4 122.0  
 160 44.4 35.4 53.2



#42  
 2,4,6-Tribromophenol  
 Concen: 142.224 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF116880.D  
 Acq: 7 Sep 2019 9:03

Tgt Ion:330 Resp: 132704  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.9 115.3  
 141 44.6 31.4 47.2

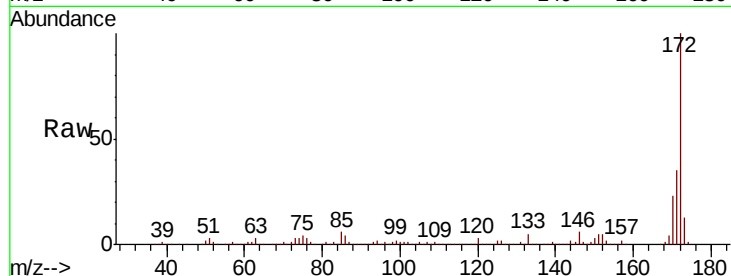




#45  
2-Fluorobiphenyl  
Concen: 95.907 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. -0.00 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 27.8  | 41.6  |
| 170     | 23.1  | 18.9  | 28.3  |

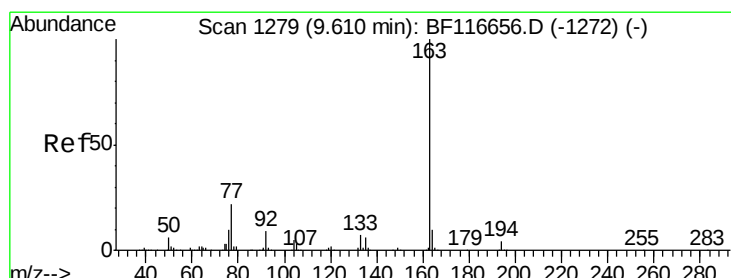
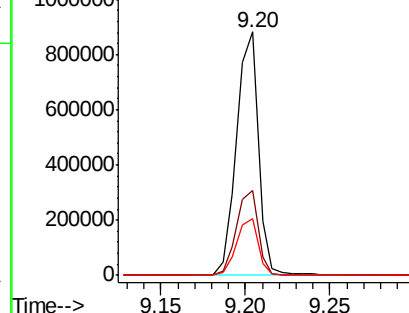
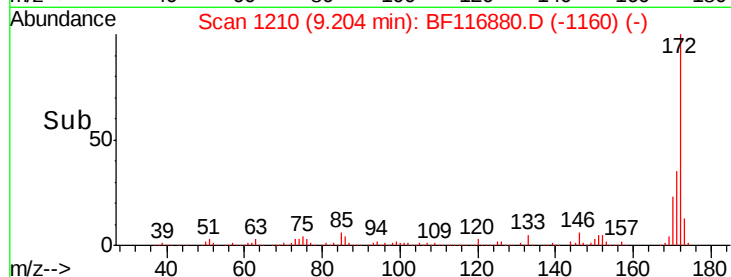


Abundance

Ion 172.00 (171.70 to 172.70): E

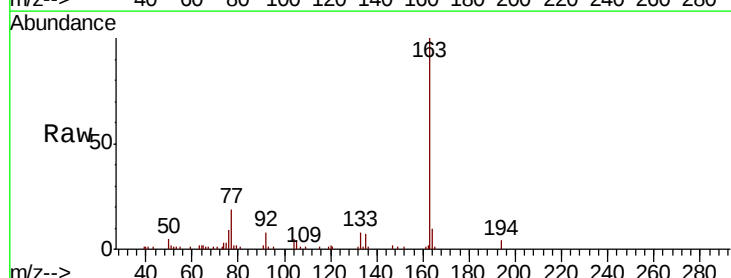
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50  
Dimethylphthalate  
Concen: 5.565 ng  
RT: 9.59 min Scan# 1276  
Delta R.T. -0.02 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 2.8   | 4.2   |
| 164     | 9.8   | 8.6   | 12.8  |

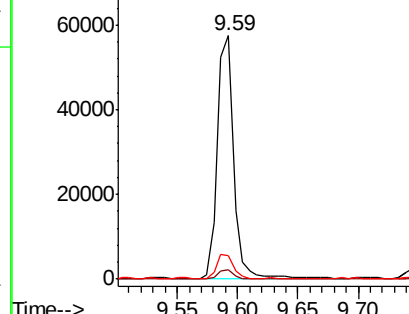
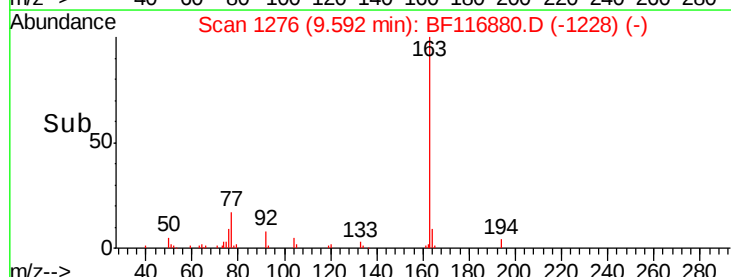


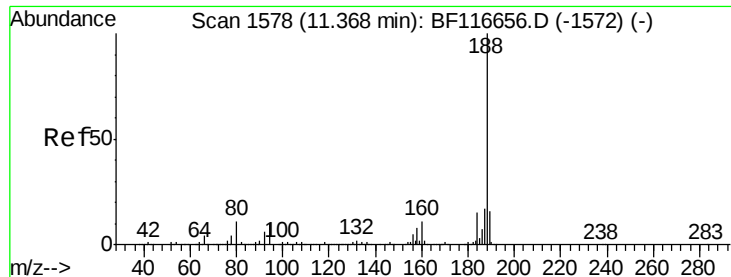
Abundance

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

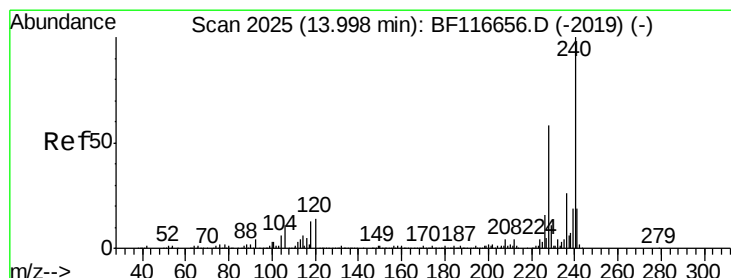
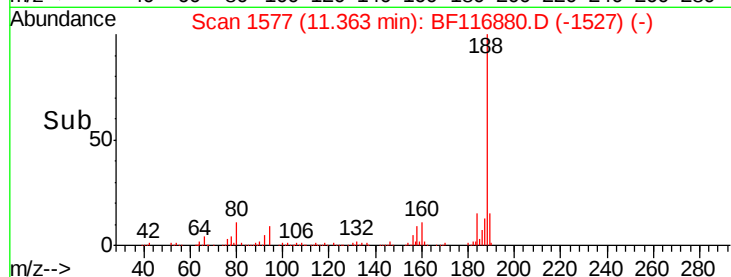
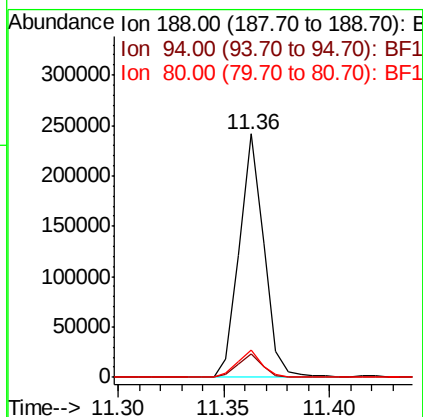
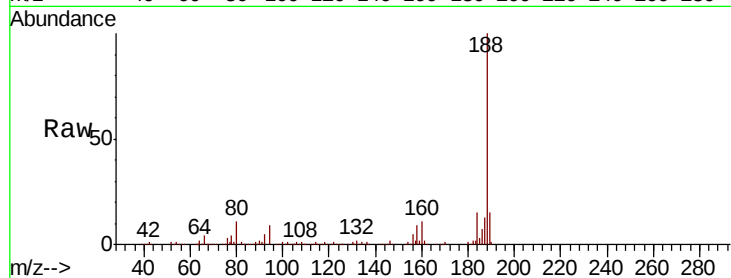




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

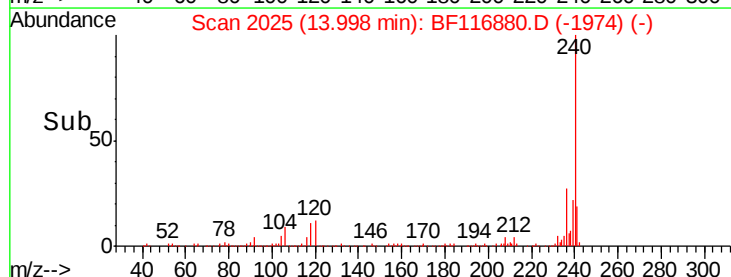
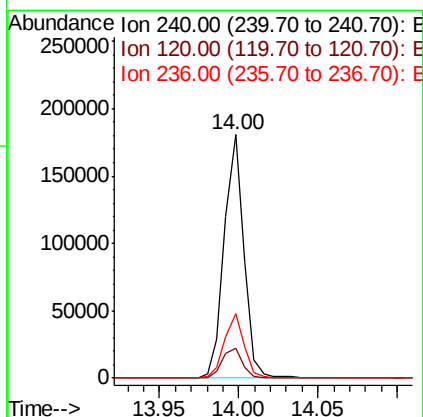
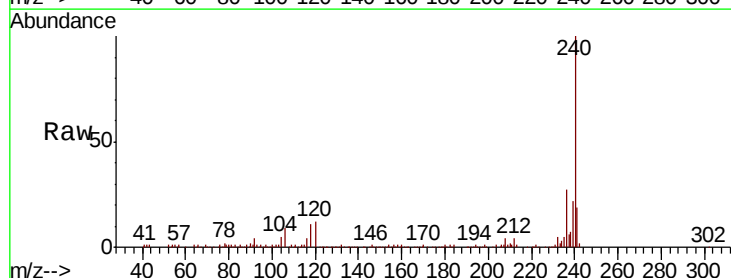
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5A

| Tot Ion | 188  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 9.4  | 7.3   | 10.9  |       |
| 80      | 11.1 | 8.4   | 12.6  |       |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. 0.00 min  
Lab File: BF116880.D  
Acq: 7 Sep 2019 9:03

| Tgt Ion | 240  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 240     | 100  |       |       |       |
| 120     | 12.1 | 9.1   | 13.7  |       |
| 236     | 26.6 | 21.1  | 31.7  |       |

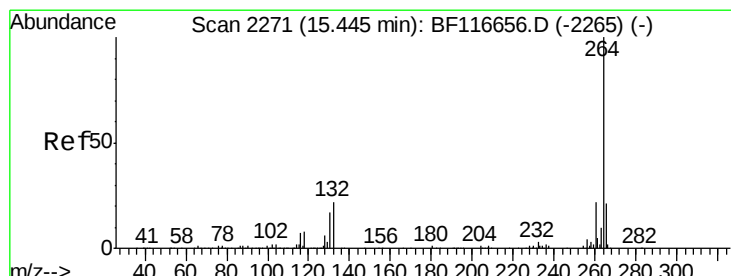
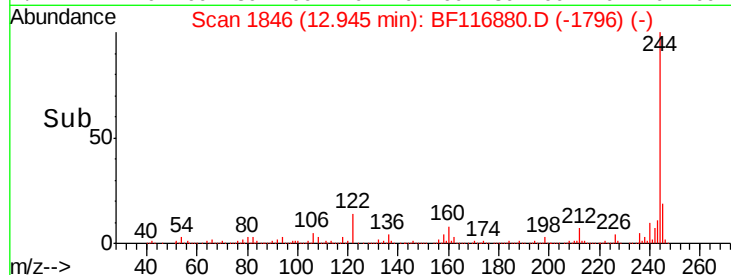
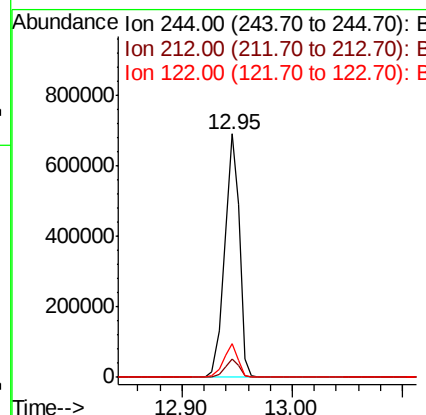
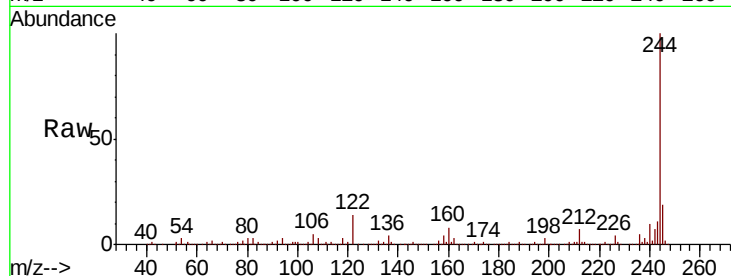




#79  
 Terphenyl-d14  
 Concen: 76.160 ng  
 RT: 12.95 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF116880.D  
 Acq: 7 Sep 2019 9:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5A

Tot Ion:244 Resp: 639421  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 13.7 10.2 15.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2273  
 Delta R.T. 0.01 min  
 Lab File: BF116880.D  
 Acq: 7 Sep 2019 9:03

Tgt Ion:264 Resp: 133839  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.3 27.5  
 265 20.0 16.5 24.7

