

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\  
 Data File : BF115171.D  
 Acq On : 25 Jun 2019 2:07  
 Operator : HP/JU  
 Sample : K3500-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4(9-10)

Quant Time: Jun 25 08:26:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 04:21:29 2019  
 Response via : Initial Calibration

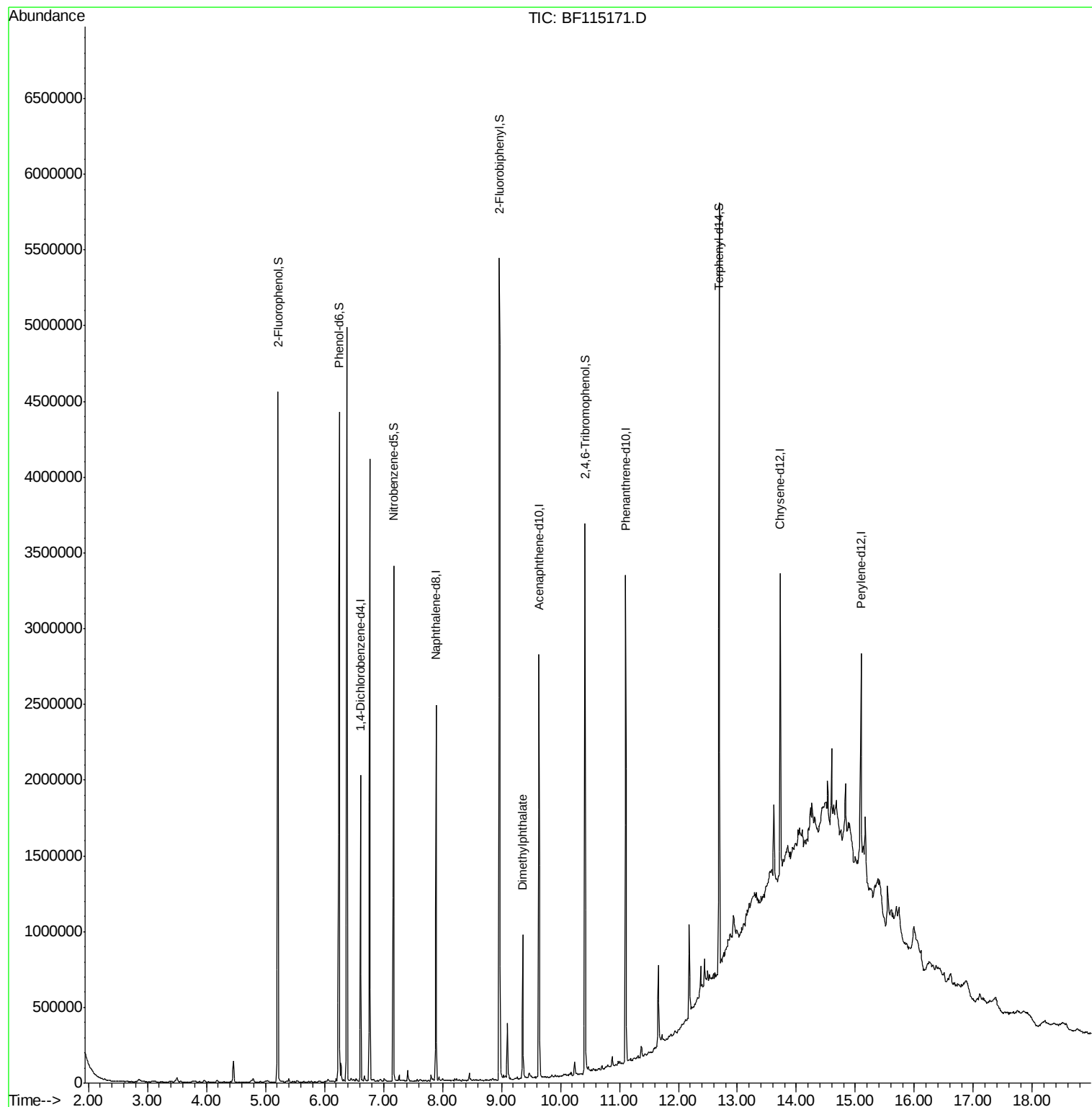
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.61  | 152  | 279190   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.89  | 136  | 1064444  | 20.00 | ng    | -0.01        |
| 39) Acenaphthene-d10        | 9.64  | 164  | 528078   | 20.00 | ng    | -0.01        |
| 64) Phenanthrene-d10        | 11.11 | 188  | 1058366  | 20.00 | ng    | -0.01        |
| 76) Chrysene-d12            | 13.72 | 240  | 699709   | 20.00 | ng    | -0.02        |
| 87) Perylene-d12            | 15.09 | 264  | 631422   | 20.00 | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1426958  | 78.87 | ng    | 0.00         |
| 7) Phenol-d6                | 6.25  | 99   | 1795214  | 81.75 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.17  | 82   | 1047293  | 60.52 | ng    | -0.01        |
| 42) 2,4,6-Tribromophenol    | 10.42 | 330  | 479769   | 86.15 | ng    | -0.01        |
| 45) 2-Fluorobiphenyl        | 8.97  | 172  | 1756267  | 56.49 | ng    | -0.02        |
| 79) Terphenyl-d14           | 12.69 | 244  | 1886542  | 57.32 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 50) Dimethylphthalate       | 9.36  | 163  | 370997   | 9.549 | ng    | Qvalue<br>99 |

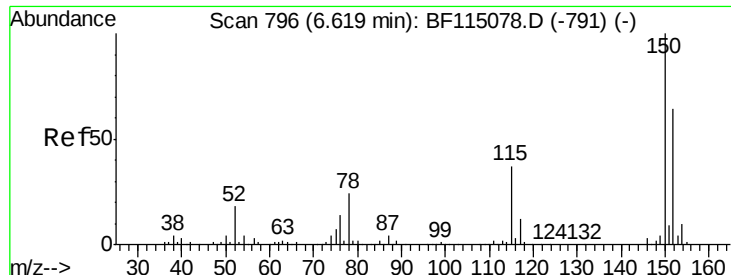
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-4(9-10)

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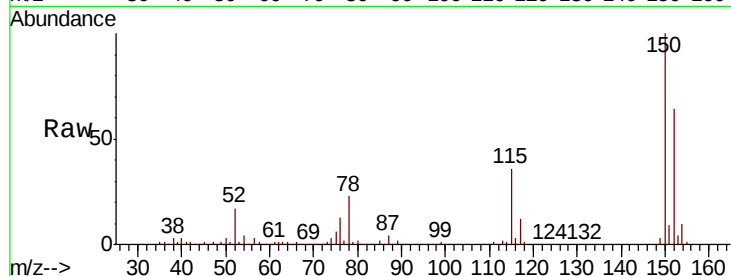


#1

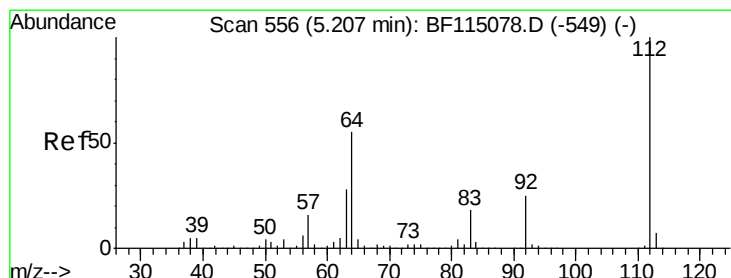
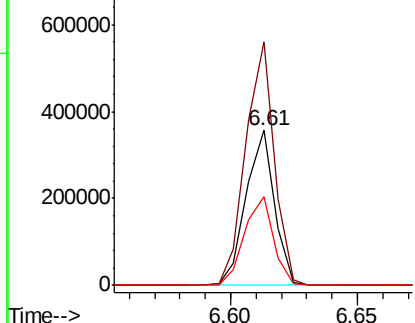
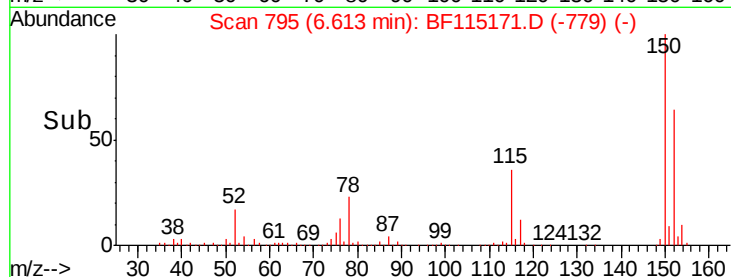
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.61 min Scan# 795  
 Delta R.T. -0.01 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4(9-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 124.2 | 186.2 |
| 115     | 56.8  | 46.1  | 69.1  |



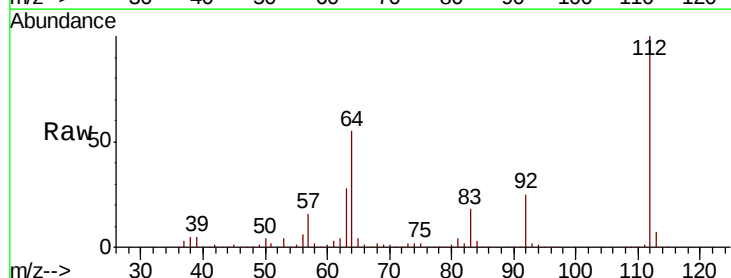
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



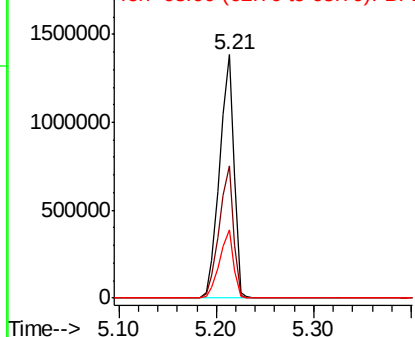
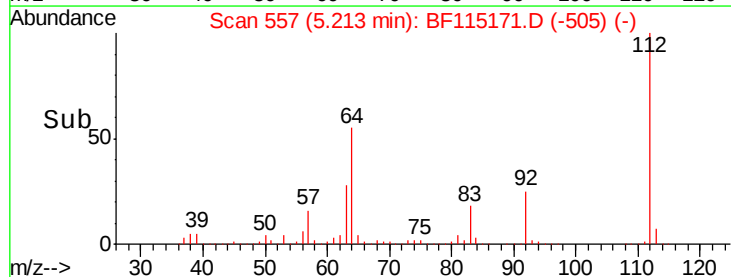
#5

2-Fluorophenol  
 Concen: 78.872 ng  
 RT: 5.21 min Scan# 557  
 Delta R.T. 0.01 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.6  | 43.8  | 65.6  |
| 63      | 28.2  | 22.2  | 33.4  |



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: 81.752 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115171.D

Acq: 25 Jun 2019 2:07

Instrument :

BNA\_F

ClientSampleId :

B-4(9-10)

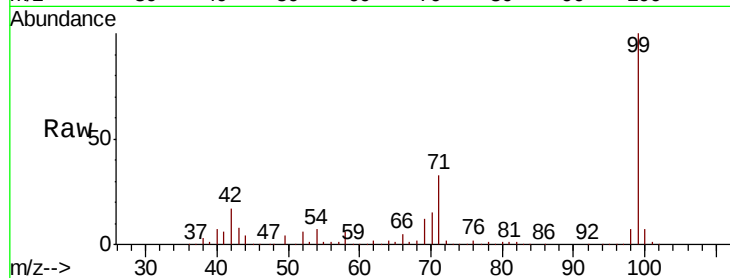
Tot Ion: 99 Resp: 1795214

Ion Ratio Lower Upper

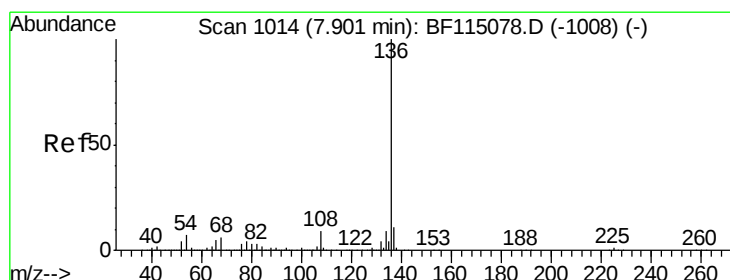
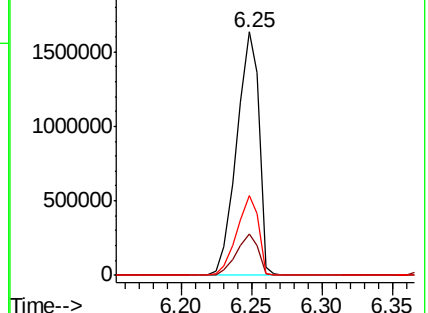
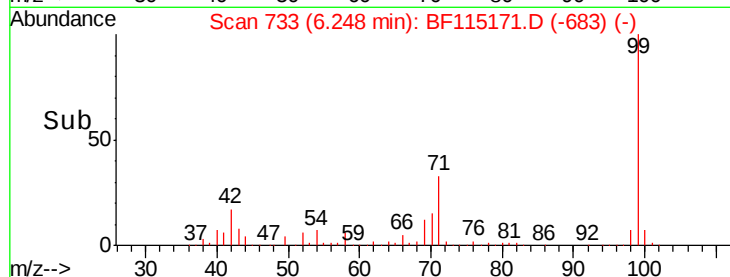
99 100

42 17.2 13.6 20.4

71 32.7 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115171.D

Acq: 25 Jun 2019 2:07

Tgt Ion:136 Resp: 1064444

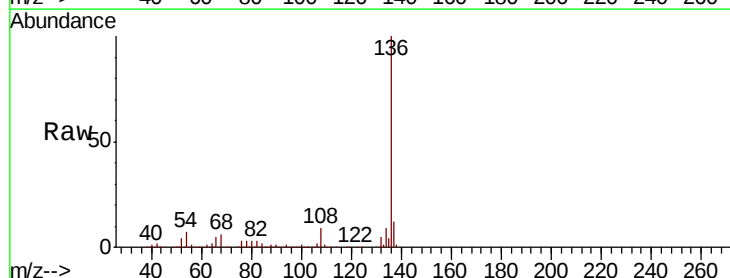
Ion Ratio Lower Upper

136 100

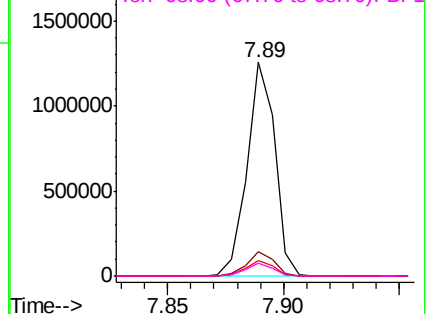
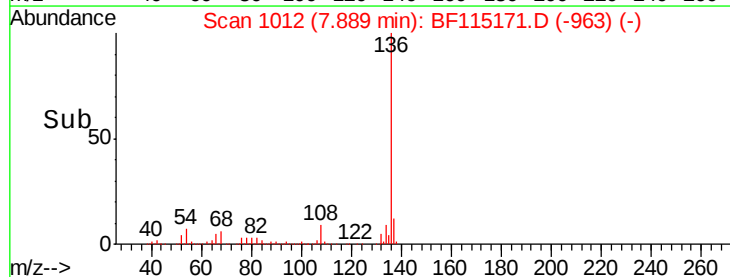
137 11.6 8.9 13.3

54 7.3 5.6 8.4

68 6.2 4.8 7.2



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): BF1  
Ion 68.00 (67.70 to 68.70): BF1



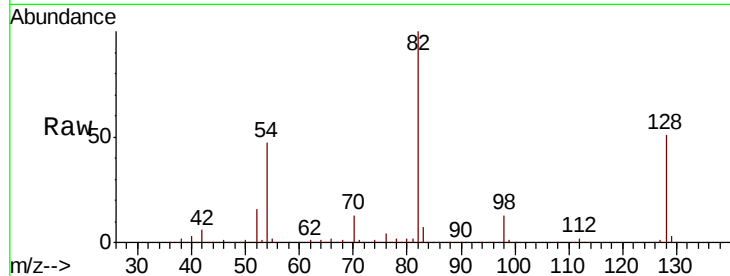


#23  
 Nitrobenzene-d5  
 Concen: 60.524 ng  
 RT: 7.17 min Scan# 890  
 Delta R.T. -0.01 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

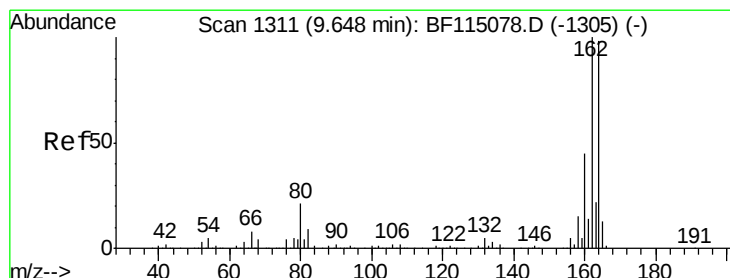
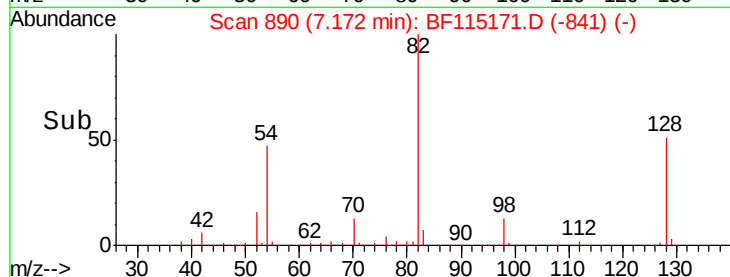
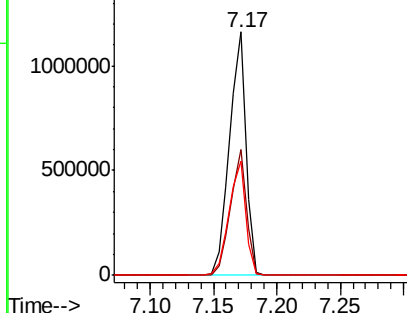
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4(9-10)

Tot Ion: 82 Resp: 1047293  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 51.5  | 40.4  | 60.6  |
| 54  | 46.8  | 37.5  | 56.3  |



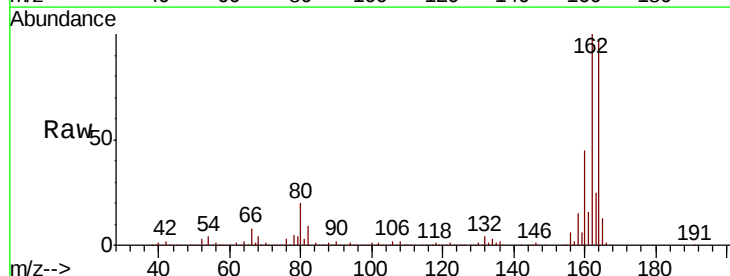
Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1



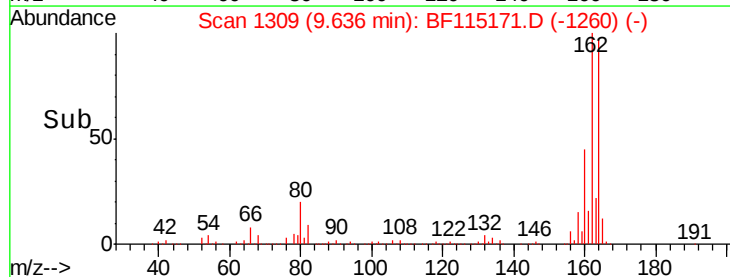
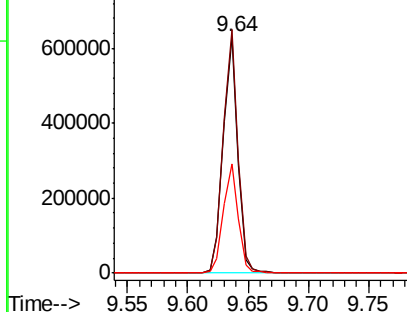
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.64 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

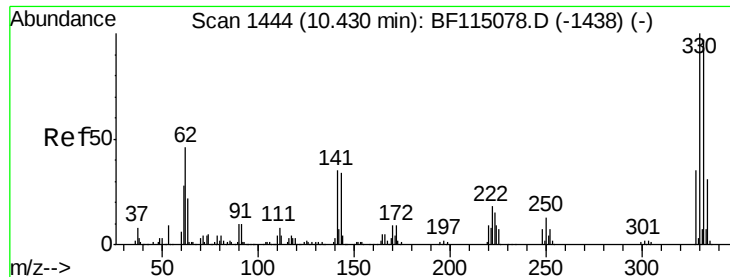
Tgt Ion:164 Resp: 528078  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.1 | 81.7  | 122.5 |
| 160 | 46.2  | 37.0  | 55.4  |



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

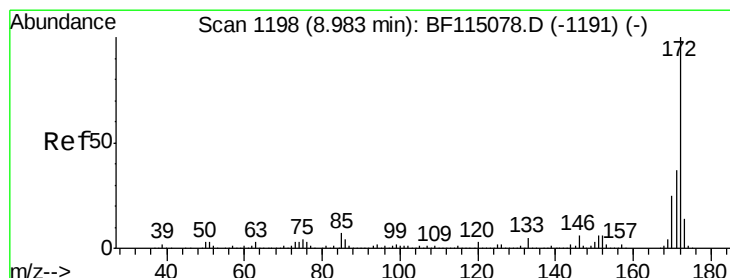
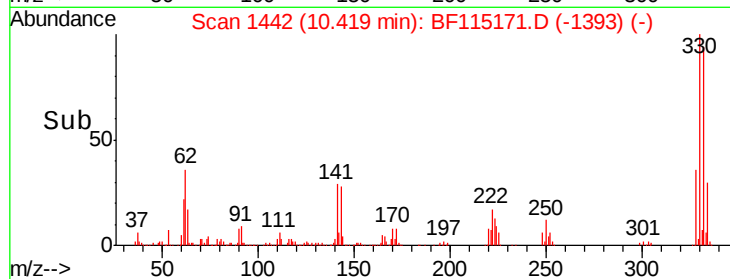
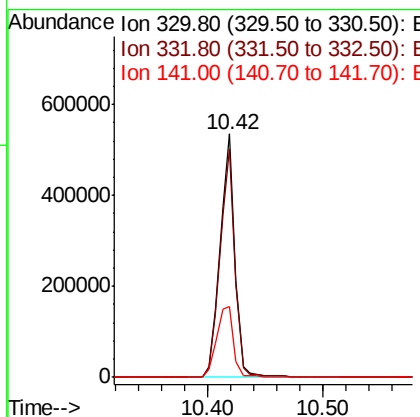
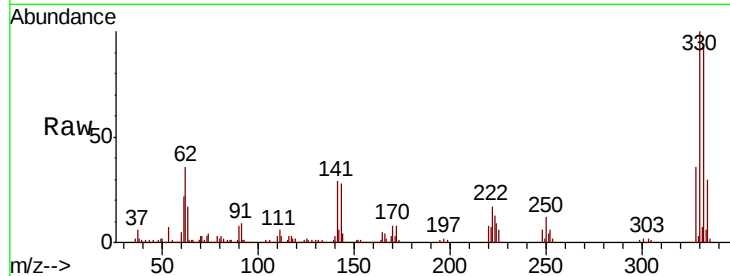




#42  
 2,4,6-Tribromophenol  
 Concen: 86.153 ng  
 RT: 10.42 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

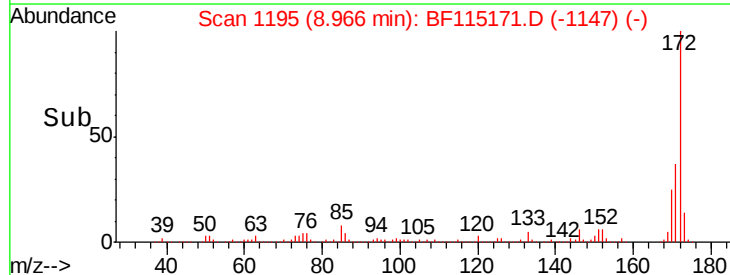
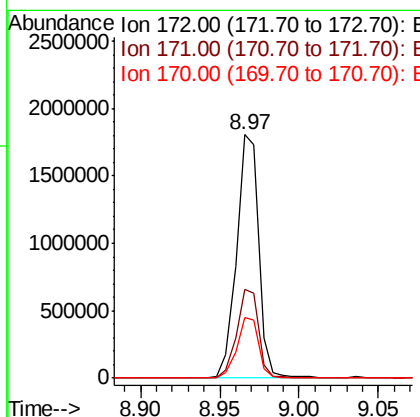
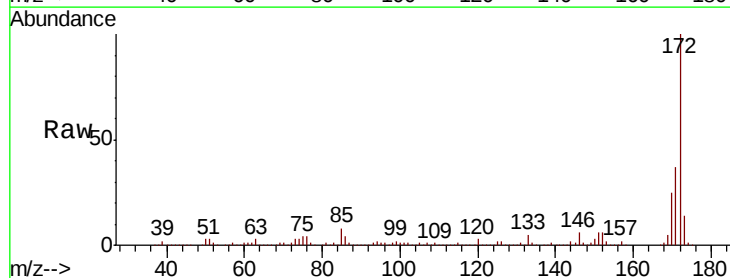
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4(9-10)

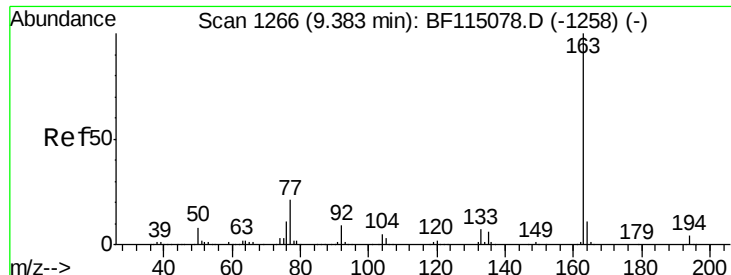
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.3  | 115.9 |
| 141     | 33.6  | 28.2  | 42.2  |



#45  
 2-Fluorobiphenyl  
 Concen: 56.492 ng  
 RT: 8.97 min Scan# 1195  
 Delta R.T. -0.02 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.8  | 44.6  |
| 170     | 24.9  | 20.3  | 30.5  |

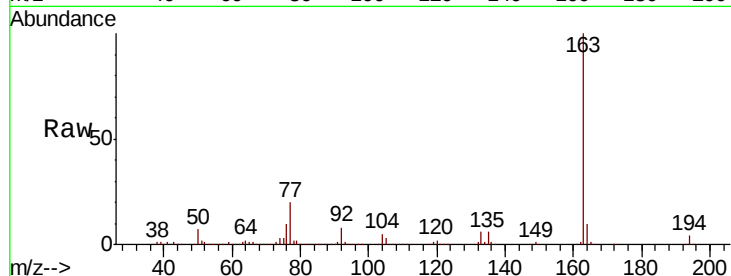




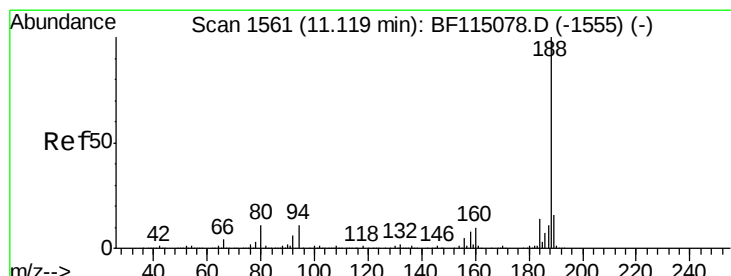
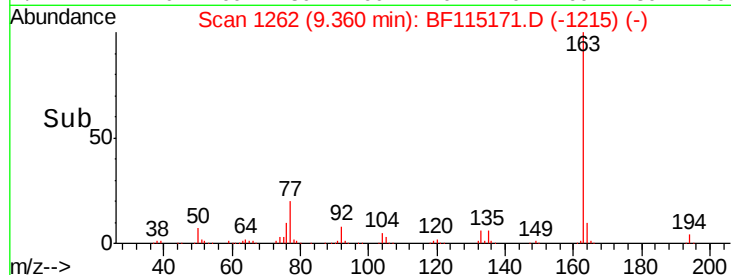
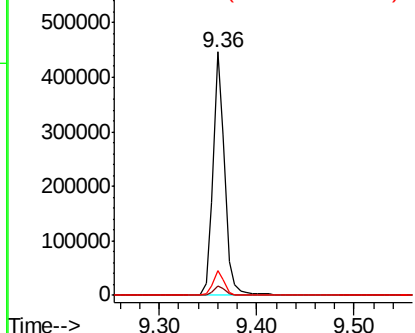
#50  
Dimethylphthalate  
Concen: 9.549 ng  
RT: 9.36 min Scan# 1262  
Delta R.T. -0.02 min  
Lab File: BF115171.D  
Acq: 25 Jun 2019 2:07

Instrument :  
BNA\_F  
ClientSampleId :  
B-4(9-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.2   | 4.8   |
| 164     | 10.3  | 8.6   | 13.0  |

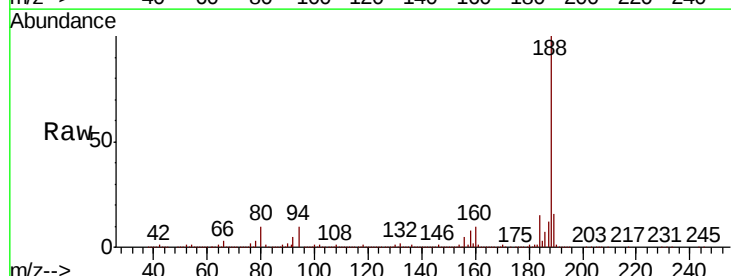


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

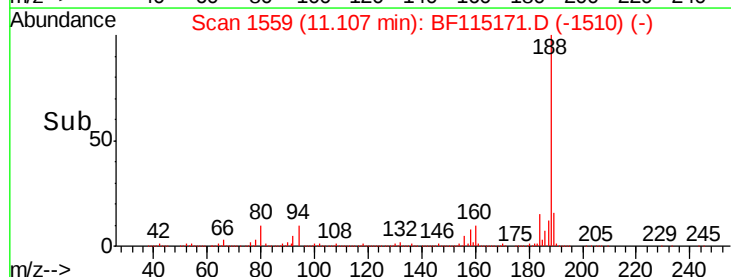
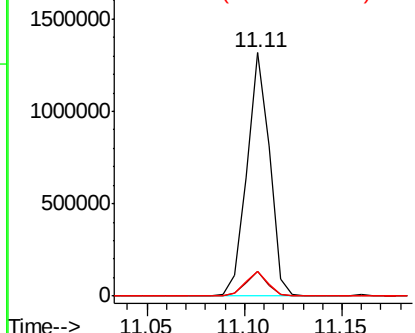


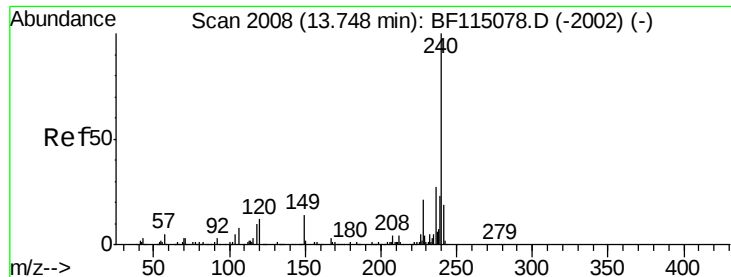
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1559  
Delta R.T. -0.01 min  
Lab File: BF115171.D  
Acq: 25 Jun 2019 2:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.1  | 8.6   | 12.8  |
| 80      | 10.3  | 8.8   | 13.2  |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

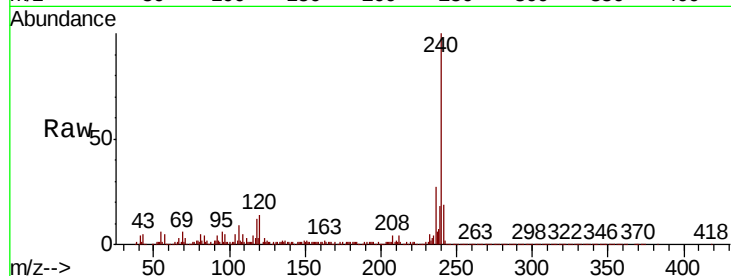




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.72 min Scan# 2004  
Delta R.T. -0.02 min  
Lab File: BF115171.D  
Acq: 25 Jun 2019 2:07

Instrument :  
BNA\_F  
ClientSampleId :  
B-4(9-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.6  | 9.4   | 14.2  |
| 236     | 26.9  | 21.7  | 32.5  |

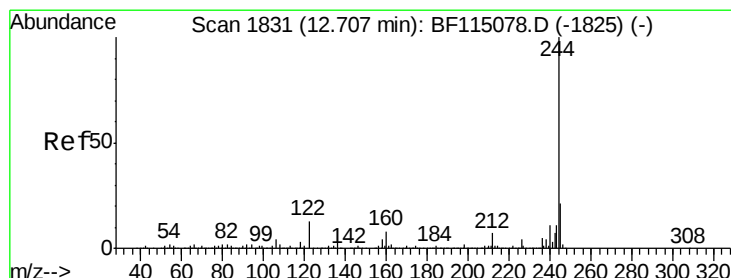
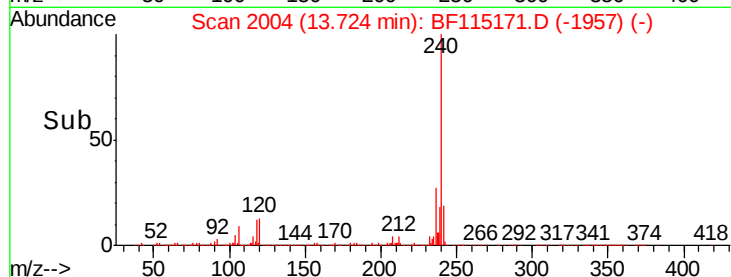
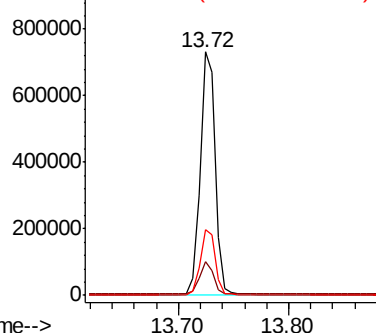


Abundance

Ion 240.00 (239.70 to 240.70): E

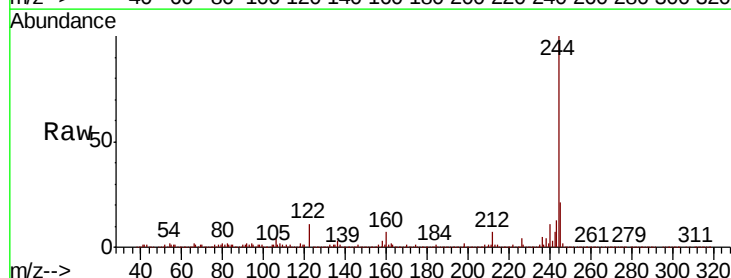
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79  
Terphenyl-d14  
Concen: 57.325 ng  
RT: 12.69 min Scan# 1829  
Delta R.T. -0.01 min  
Lab File: BF115171.D  
Acq: 25 Jun 2019 2:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.8   | 8.6   |
| 122     | 11.3  | 10.4  | 15.6  |

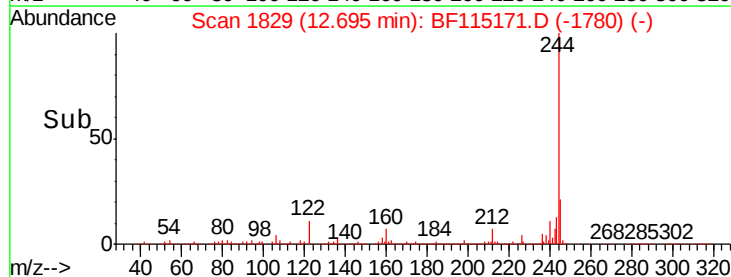
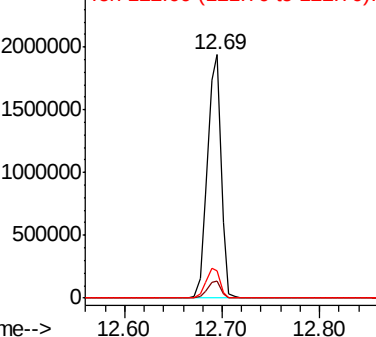


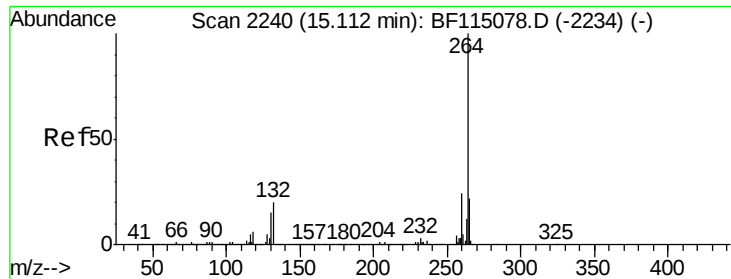
Abundance

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  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.09 min Scan# 2237  
 Delta R.T. -0.02 min  
 Lab File: BF115171.D  
 Acq: 25 Jun 2019 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4(9-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.6  | 29.4  |
| 265     | 21.6  | 17.3  | 25.9  |

