

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\  
 Data File : BF100916.D  
 Acq On : 28 Nov 2017 2:50  
 Operator : SJ/JU  
 Sample : I6584-05  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112117-TIDO-F-D-B

Manual Integrations  
 APPROVED

Sohil  
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Quant Time: Nov 28 03:40:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 27 14:11:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 60860    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.14  | 136  | 230627   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 106592   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.38 | 188  | 187560   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 127472   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.49 | 264  | 116497   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 152865   | 40.26  | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 113927   | 24.33  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 391139   | 112.13 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 109358   | 100.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 772700   | 110.38 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.97 | 244  | 602997   | 108.69 | ng    | 0.00     |

Target Compounds Qvalue

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

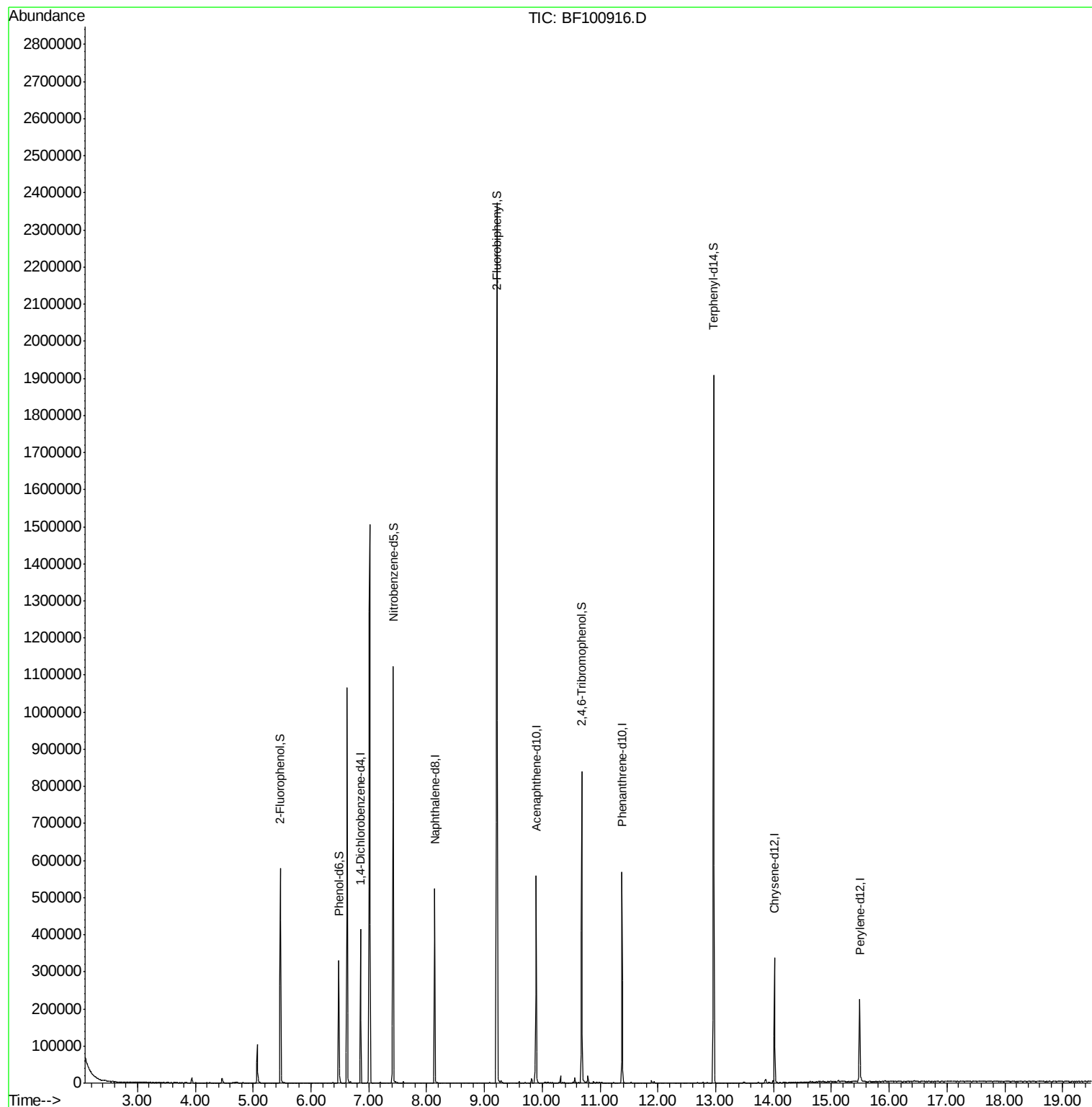
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\  
Data File : BF100916.D  
Acq On : 28 Nov 2017 2:50  
Operator : SJ/JU  
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QLast Update : Mon Nov 27 14:11:25 2017  
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#1

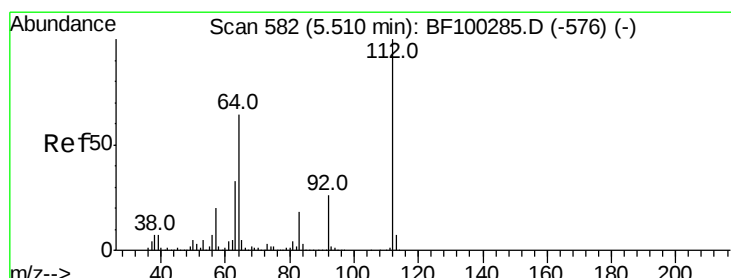
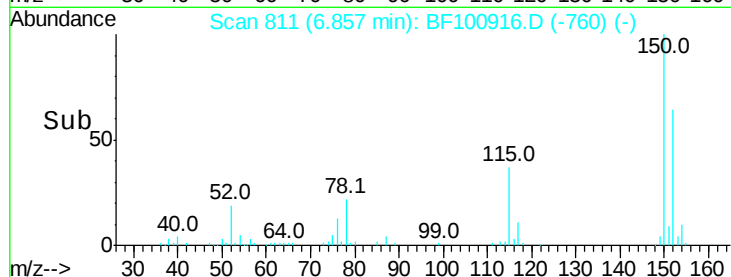
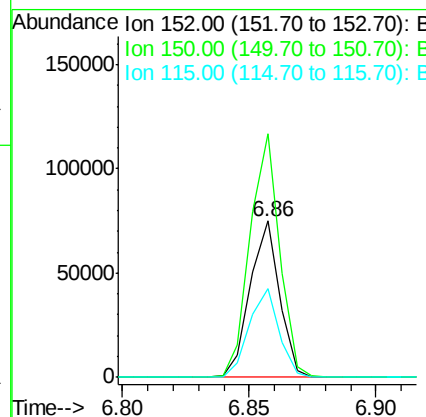
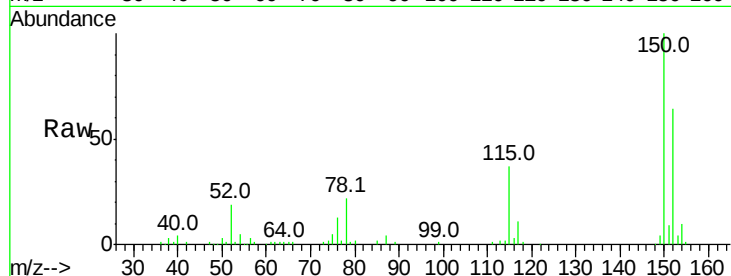
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. 0.00 min  
Lab File: BF100916.D  
Acq: 28 Nov 2017 2:50

Instrument :  
BNA\_F  
ClientSampleId :  
112117-TIDO-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 124.6 | 186.8 |
| 115     | 57.1  | 50.1  | 75.1  |

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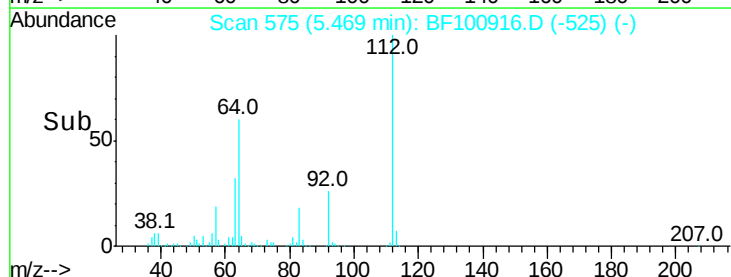
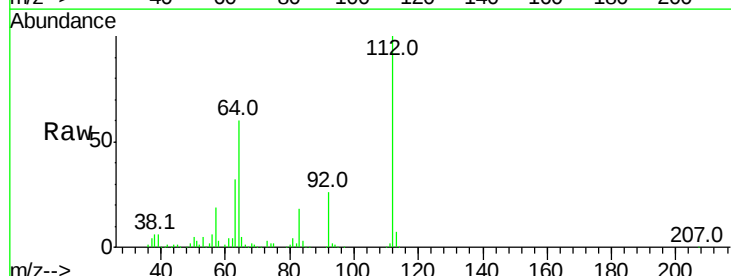
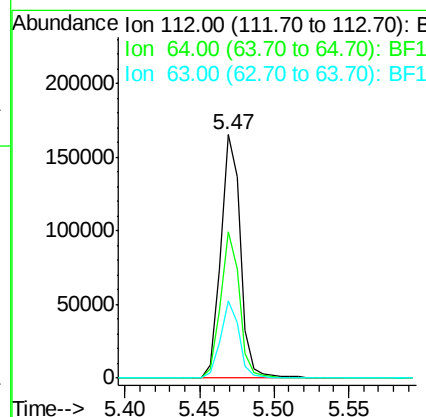
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#5

2-Fluorophenol  
Concen: 40.263 ng  
RT: 5.47 min Scan# 575  
Delta R.T. -0.01 min  
Lab File: BF100916.D  
Acq: 28 Nov 2017 2:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.1  | 47.9  | 71.9  |
| 63      | 31.7  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 24.334 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

Instrument :

BNA\_F

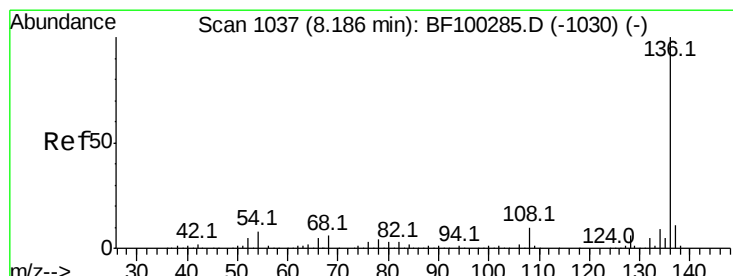
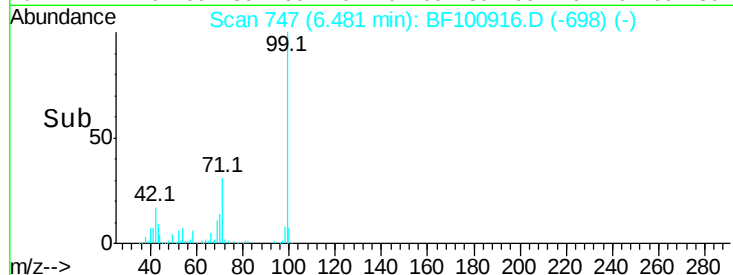
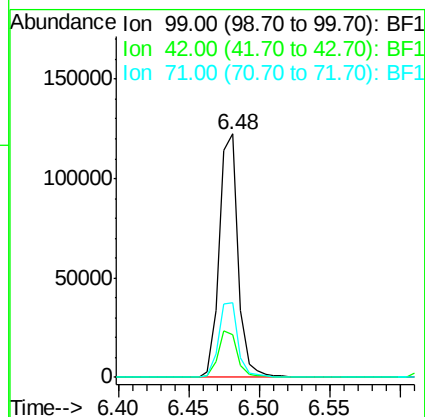
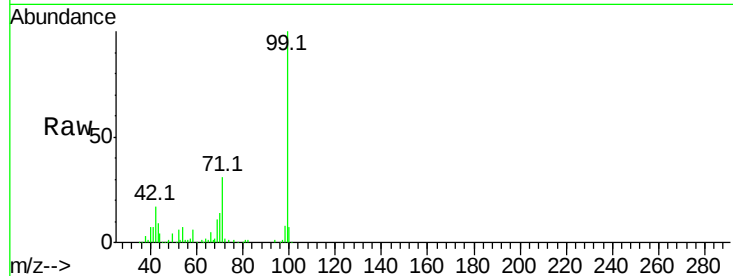
ClientSampleId :

112117-TIDO-F-D-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 113927 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.3  | 14.5  | 21.7   |
| 71        | 30.5  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

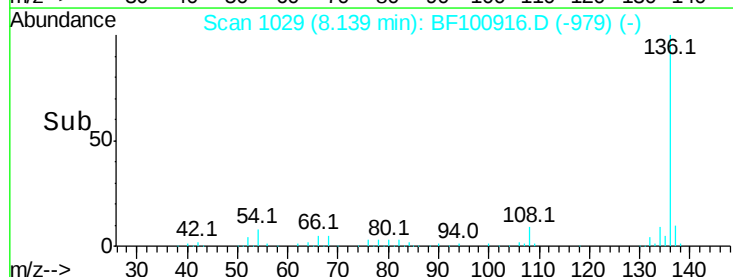
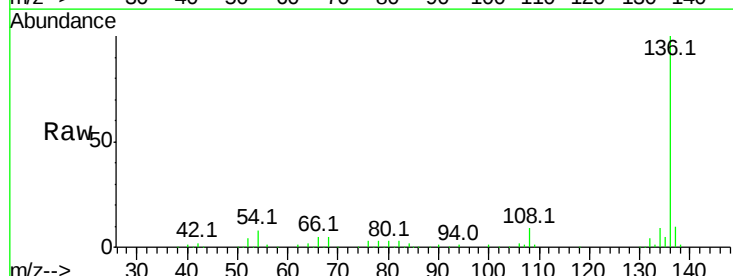
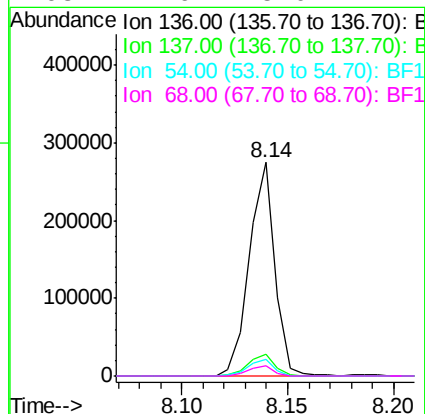
RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 230627 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.4  | 8.9   | 13.3   |
| 54        | 7.6   | 6.6   | 9.8    |
| 68        | 4.6   | 5.0   | 7.4#   |





#23

Nitrobenzene-d5

Concen: 112.127 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

Instrument :

BNA\_F

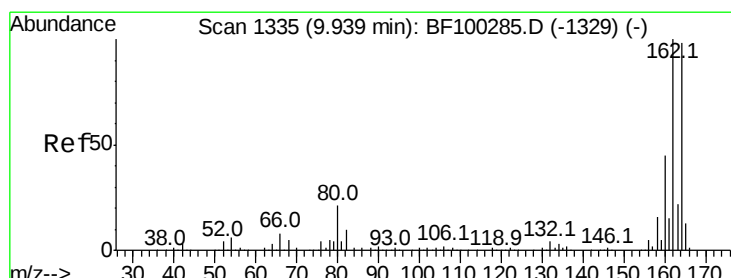
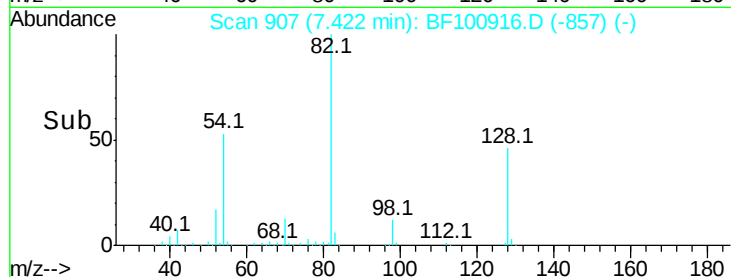
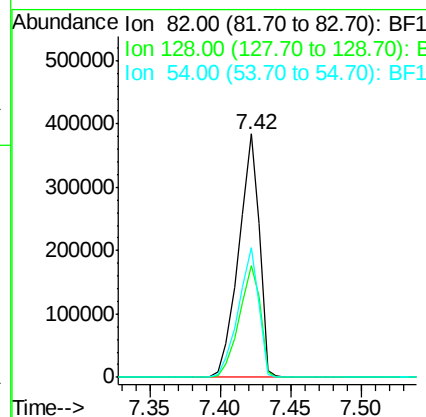
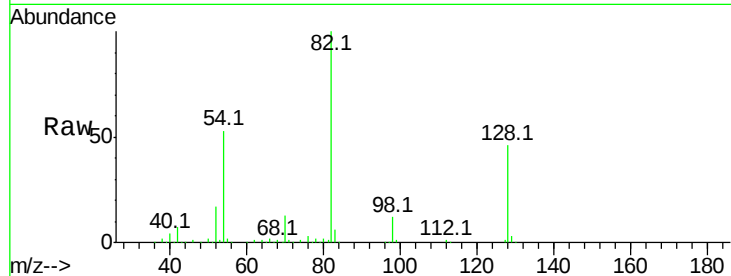
ClientSampleId :

112117-TIDO-F-D-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 391139 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.9  | 36.1  | 54.1   |
| 54        | 53.5  | 41.4  | 62.2   |

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#38

Acenaphthene-d10

Concen: 20.000 ng

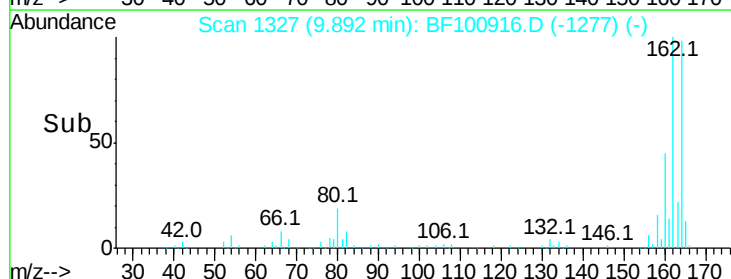
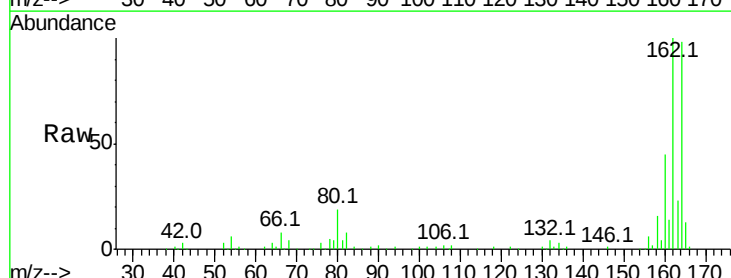
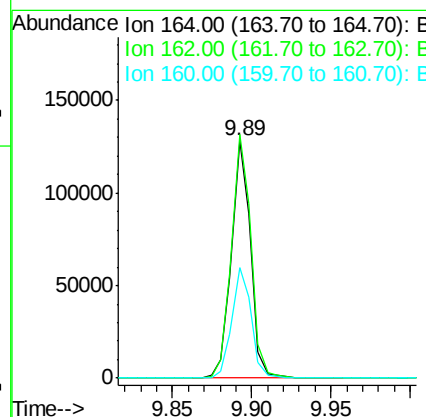
RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 106592 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.4 | 86.1  | 129.1  |
| 160       | 46.4  | 38.3  | 57.5   |





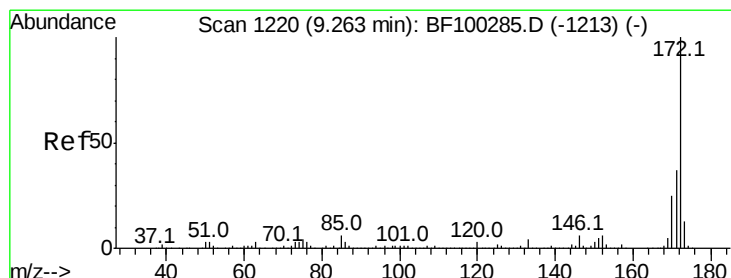
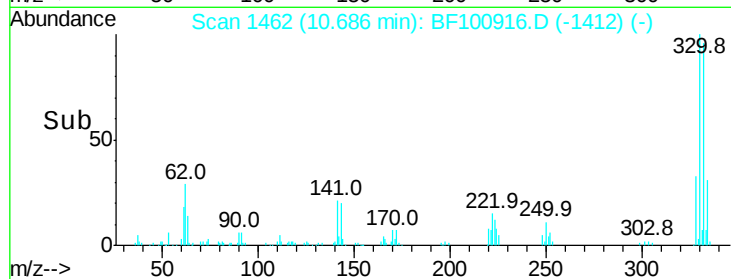
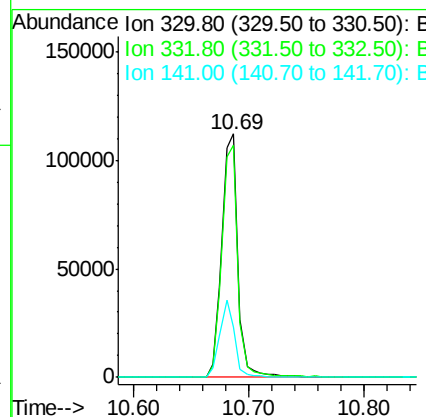
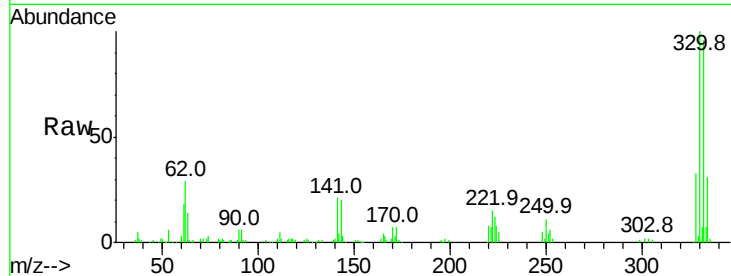
#41  
 2,4,6-Tribromophenol  
 Concen: 100.682 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF100916.D  
 Acq: 28 Nov 2017 2:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112117-TIDO-F-D-B

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.1  | 77.0 | 115.6 |       |
| 141     | 29.0  | 29.9 | 44.9  |       |

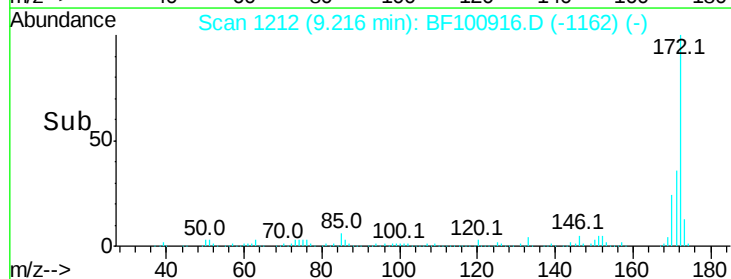
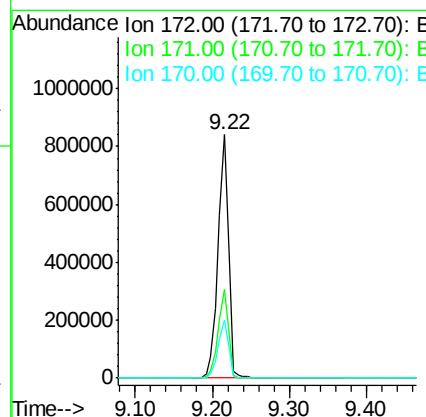
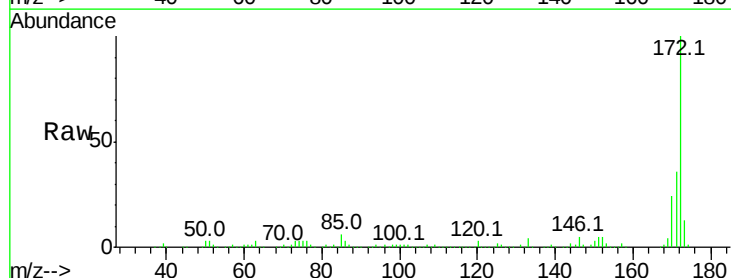
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#44  
 2-Fluorobiphenyl  
 Concen: 110.383 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF100916.D  
 Acq: 28 Nov 2017 2:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.4  | 29.7 | 44.5  |       |
| 170     | 24.0  | 19.6 | 29.4  |       |





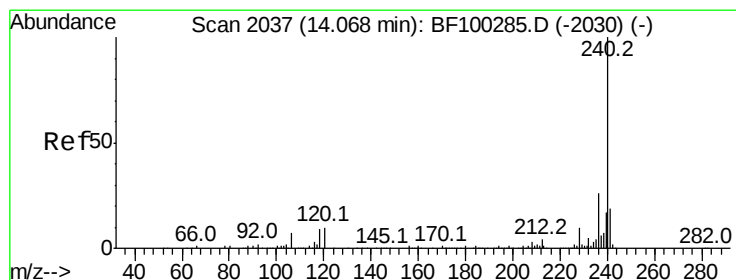
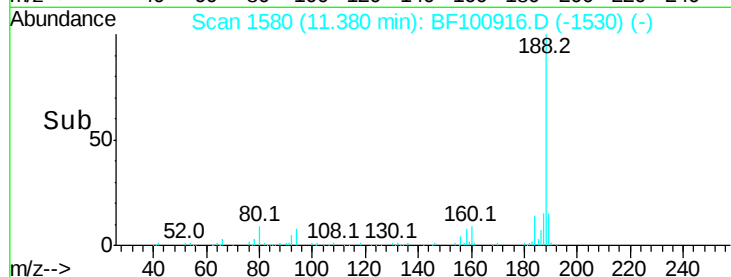
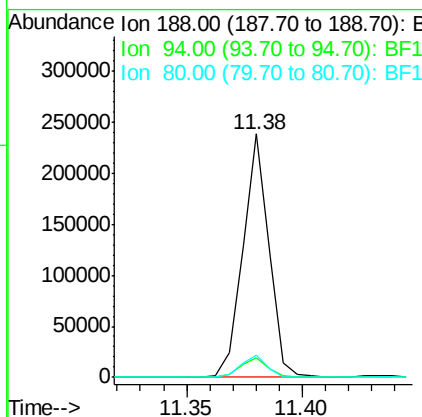
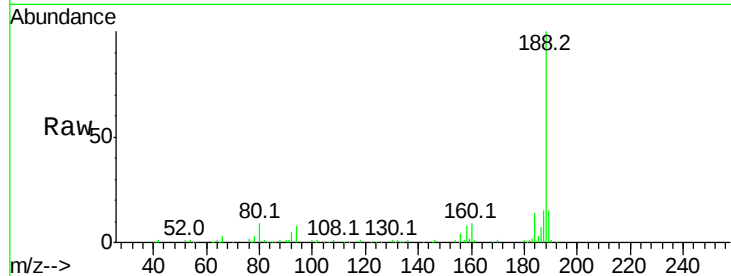
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.01 min  
Lab File: BF100916.D  
Acq: 28 Nov 2017 2:50

Instrument :  
BNA\_F  
ClientSampleId :  
112117-TIDO-F-D-B

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 8.2   | 8.5        | 12.7# |
| 80      | 8.9   | 9.2        | 13.8# |

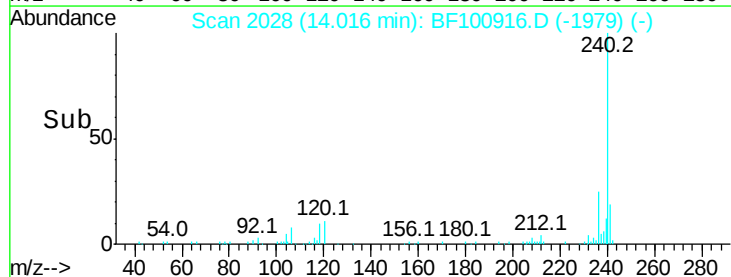
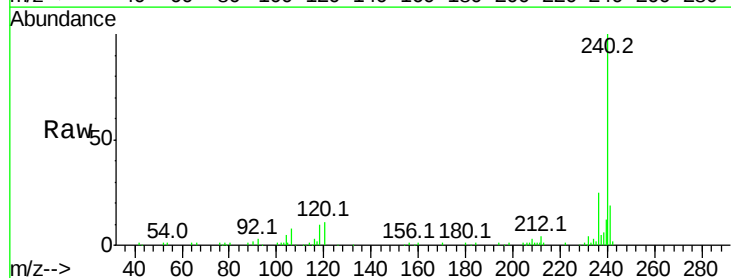
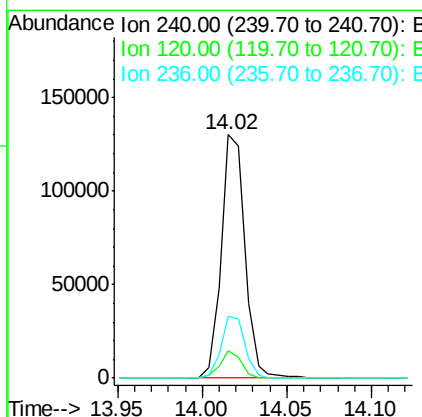
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#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF100916.D  
Acq: 28 Nov 2017 2:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 11.4  | 9.5        | 14.3  |
| 236     | 25.4  | 20.7       | 31.1  |





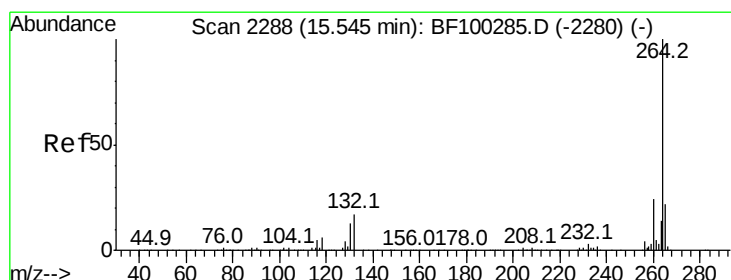
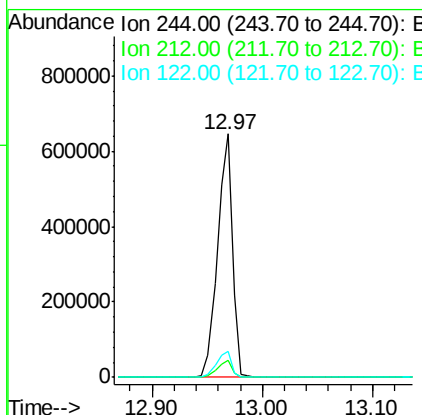
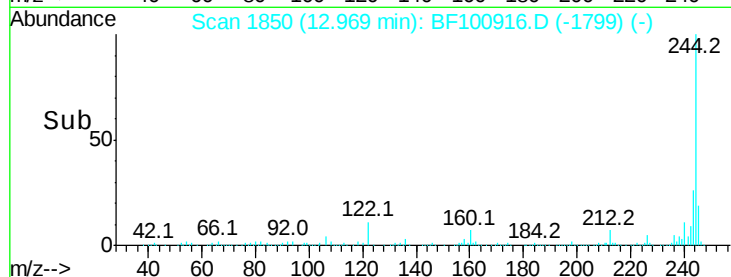
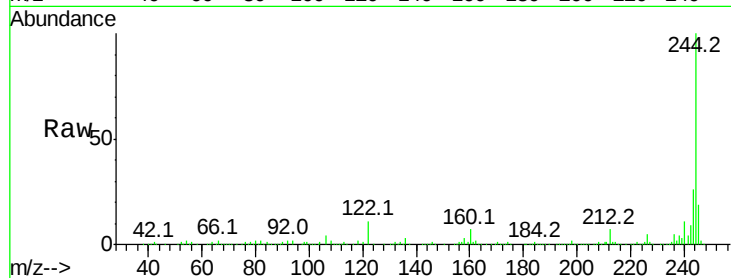
#78  
 Terphenyl-d14  
 Concen: 108.691 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. 0.00 min  
 Lab File: BF100916.D  
 Acq: 28 Nov 2017 2:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112117-TIDO-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.4   | 8.0   |
| 122     | 10.5  | 11.0  | 16.4  |

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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BF100916.D  
 Acq: 28 Nov 2017 2:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.2  | 19.2  | 28.8  |
| 265     | 20.7  | 17.5  | 26.3  |

