

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012615\  
 Data File : BG015943.D  
 Acq On : 27 Jan 2015 12:02  
 Operator : TP/IZ  
 Sample : G1168-01  
 Misc : S  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC

Manual Integrations  
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apatel  
 1/28/2015 5:44:28 PM

Quant Time: Jan 27 13:14:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 20 17:47:40 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 75737    | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.47 | 136  | 303212   | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.33 | 164  | 264058   | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.08 | 188  | 681227   | 20.00 | ng    | 0.00      |
| 75) Chrysene-d12            | 21.27 | 240  | 979322   | 20.00 | ng    | 0.00      |
| 86) Perylene-d12            | 23.52 | 264  | 999588   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.28  | 112  | 496497   | 97.62 | ng    | 0.00      |
| 7) Phenol-d6                | 6.87  | 99   | 792518   | 96.70 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 640805   | 60.92 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 482941   | 99.91 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 1194948  | 71.00 | ng    | 0.00      |
| 78) Terphenyl-d14           | 19.71 | 244  | 2523470  | 68.44 | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 10) Phenol                  | 6.90  | 94   | 22768    | 2.44  | ng    | Qvalue 95 |
| 31) Naphthalene             | 10.52 | 128  | 111249   | 7.17  | ng    | # 88      |
| 37) 2-Methylnaphthalene     | 12.14 | 142  | 958684   | 77.78 | ng    | 92        |
| 49) Dimethylphthalate       | 13.79 | 163  | 46053    | 2.42  | ng    | # 88      |
| 51) Acenaphthene            | 14.40 | 154  | 62500    | 4.65  | ng    | # 67      |
| 57) Fluorene                | 15.38 | 166  | 177371   | 8.88  | ng    | # 88      |
| 70) Phenanthrene            | 17.12 | 178  | 641804   | 18.78 | ng    | 95        |
| 77) Pyrene                  | 19.50 | 202  | 165222m  | 3.55  | ng    |           |

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

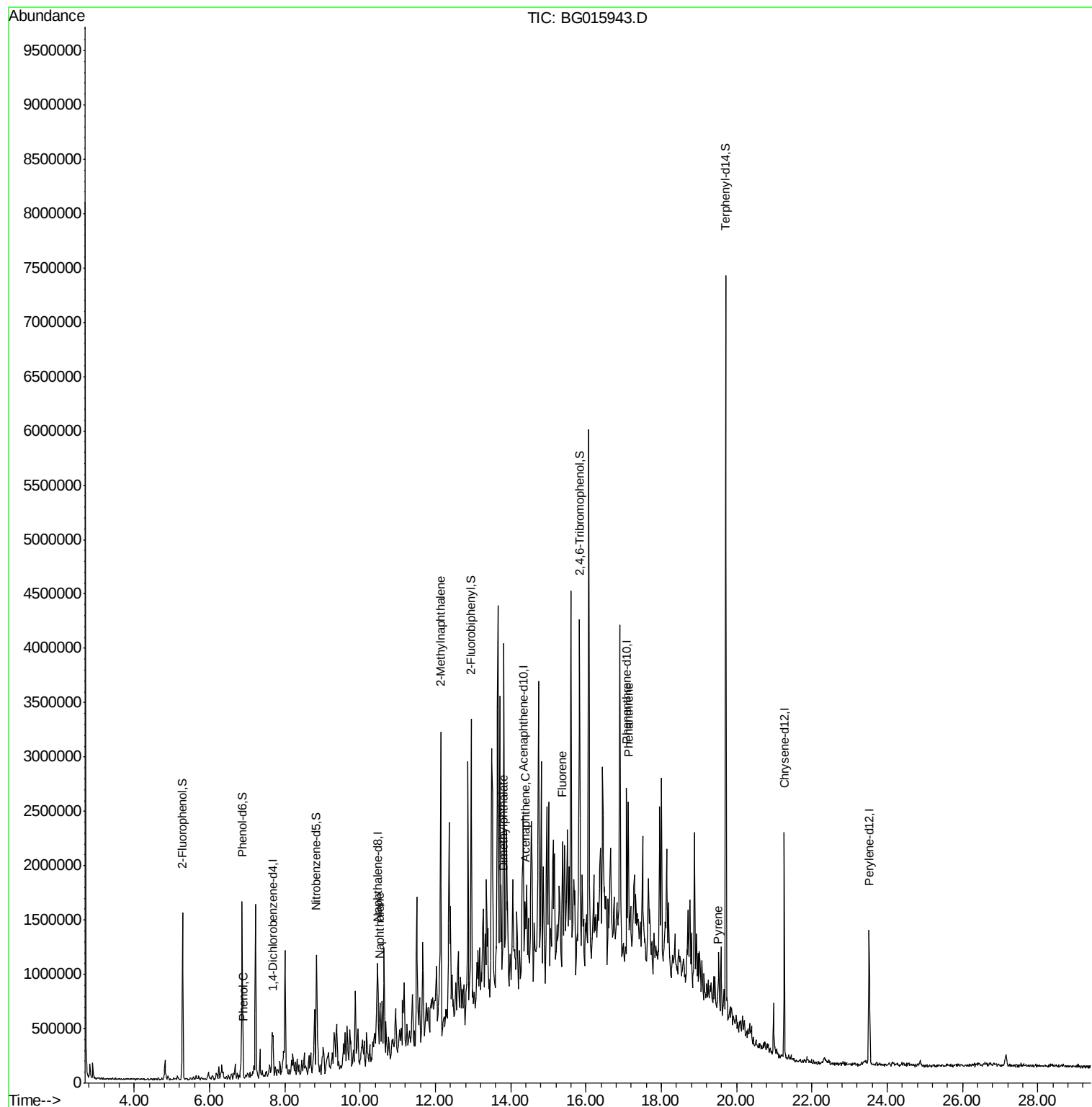
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012615\  
Data File : BG015943.D  
Acq On : 27 Jan 2015 12:02  
Operator : TP/IZ  
Sample : G1168-01  
Misc : S  
ALS Vial : 27 Sample Multiplier: 1

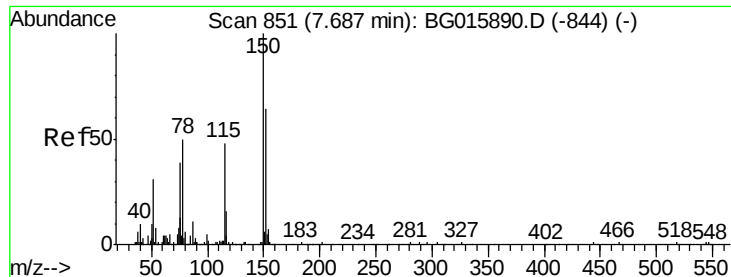
Instrument :  
BNA\_G  
ClientSampleId :  
WC

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Quant Time: Jan 27 13:14:31 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 20 17:47:40 2015  
Response via : Initial Calibration





#1

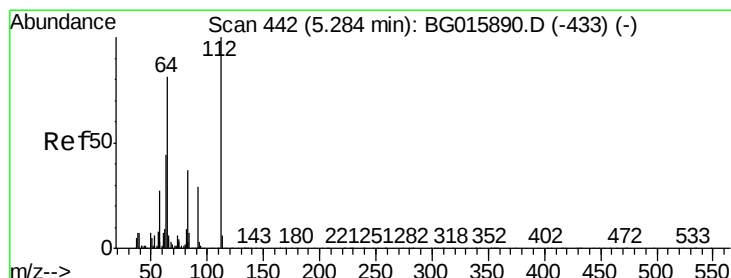
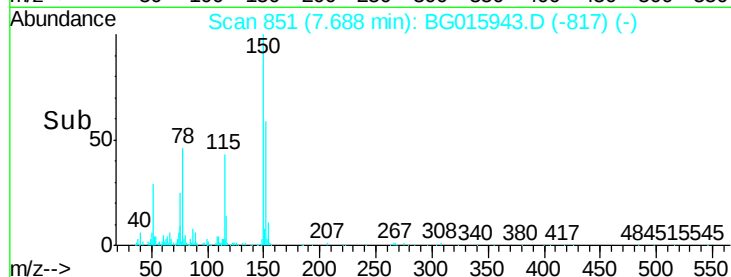
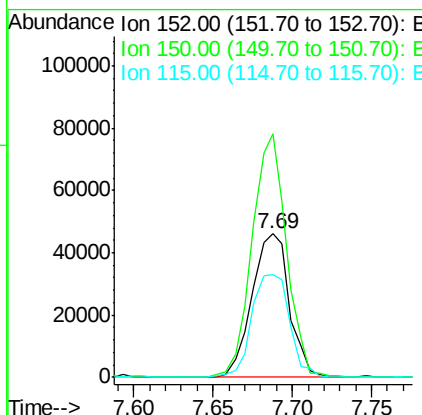
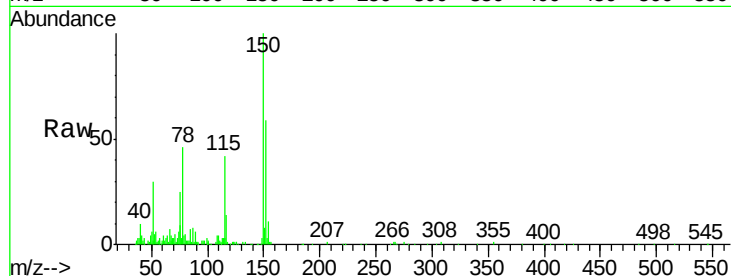
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

Instrument :  
BNA\_G  
ClientSampleId :  
WC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 169.5 | 124.5 | 186.7 |
| 115     | 72.0  | 60.4  | 90.6  |

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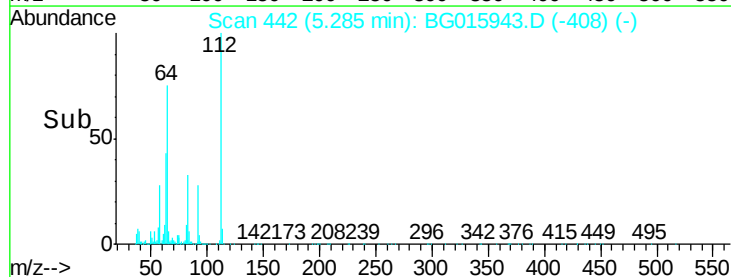
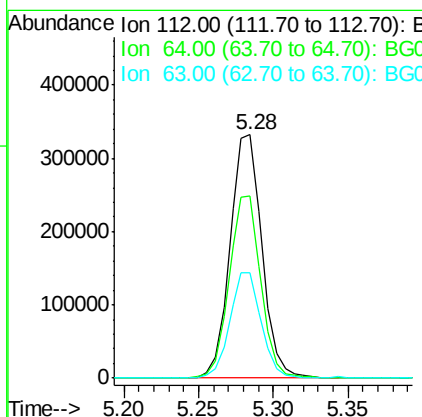
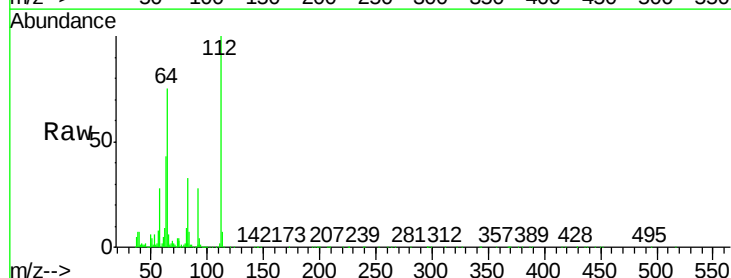
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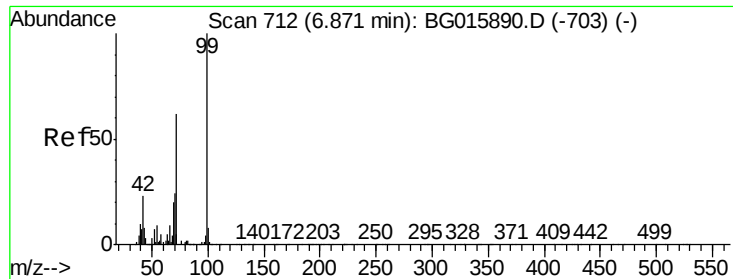


#5

2-Fluorophenol  
Concen: 97.62 ng  
RT: 5.28 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.6  | 64.4  | 96.6  |
| 63      | 43.0  | 35.1  | 52.7  |





#7

Phenol-d6

Concen: 96.70 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015943.D

Acq: 27 Jan 2015 12:02

Instrument :

BNA\_G

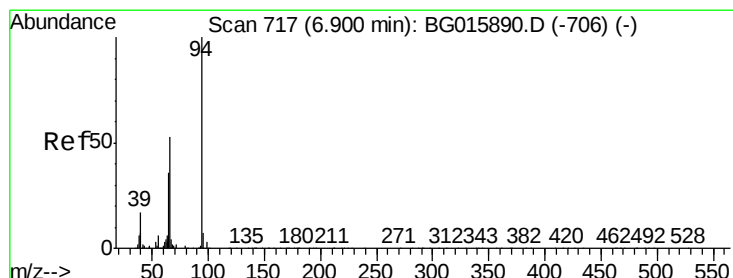
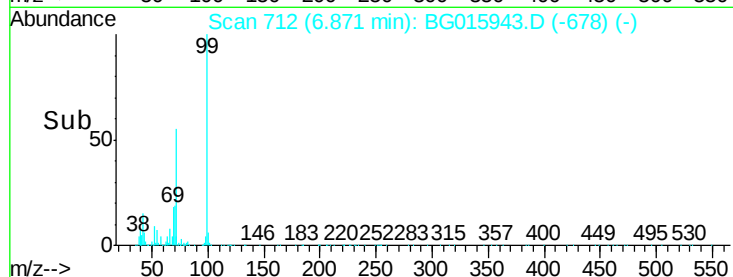
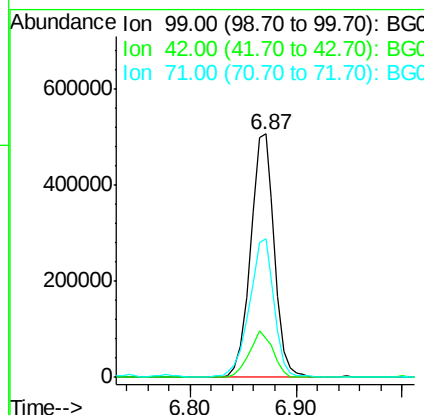
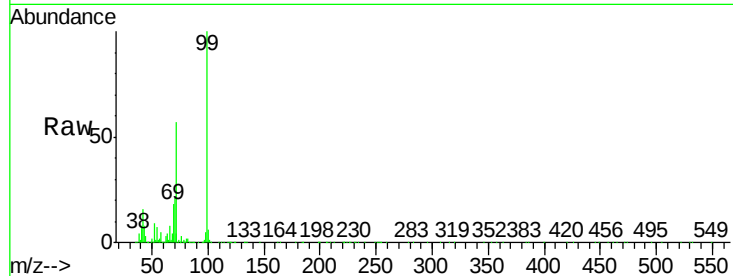
ClientSampleId :

WC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 792518 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.1  | 18.1  | 27.1#  |
| 71        | 56.7  | 49.8  | 74.8   |

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#10

Phenol

Concen: 2.44 ng

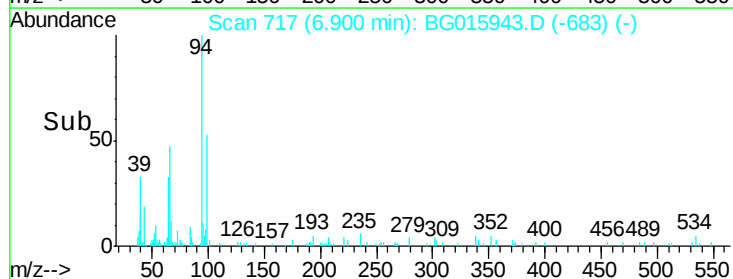
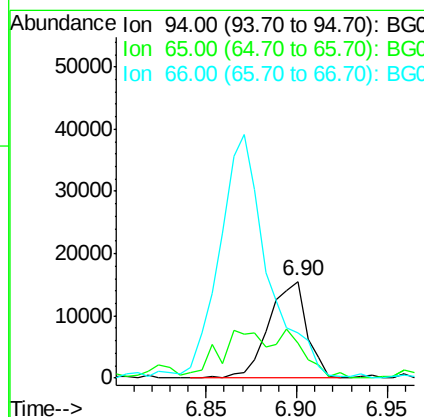
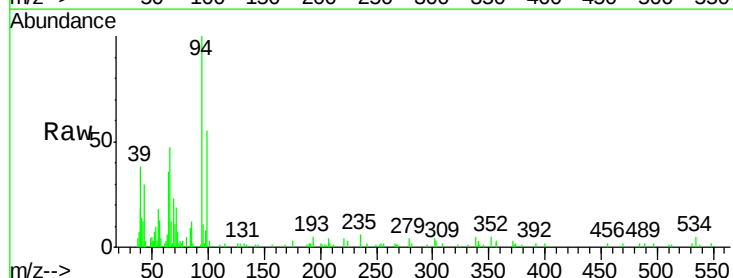
RT: 6.90 min Scan# 717

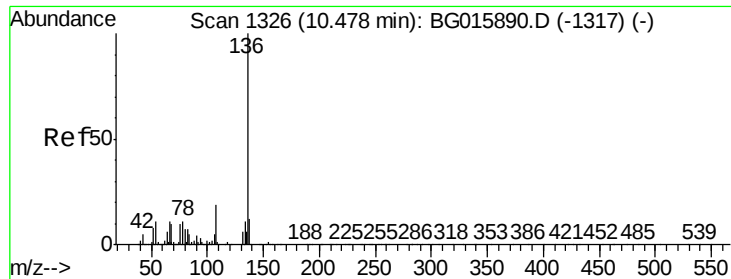
Delta R.T. 0.00 min

Lab File: BG015943.D

Acq: 27 Jan 2015 12:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 22768 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 36.2  | 16.5  | 56.5  |
| 66        | 47.0  | 33.3  | 73.3  |





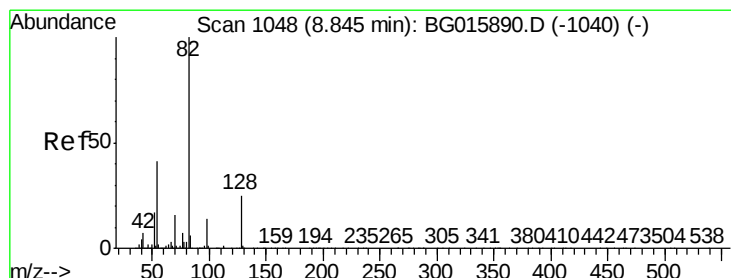
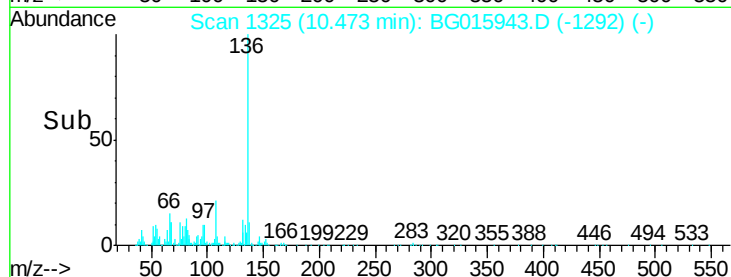
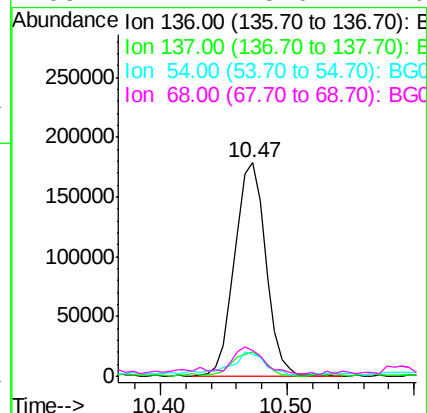
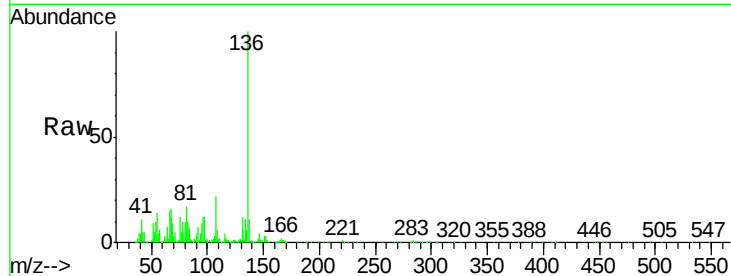
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Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.47 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

Instrument :  
BNA\_G  
ClientSampled :  
WC

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 136     | 100   |            |            |
| 137     | 11.3  | 9.7        | 14.5       |
| 54      | 10.4  | 8.5        | 12.7       |
| 68      | 12.1  | 8.0        | 12.0#      |

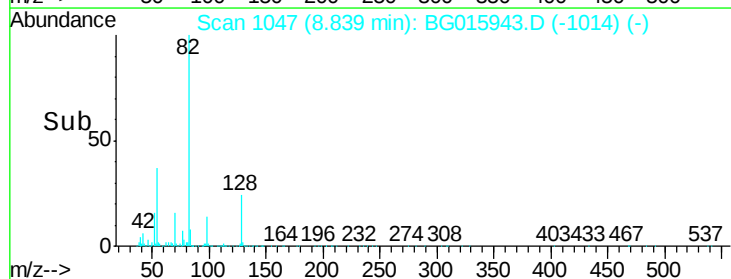
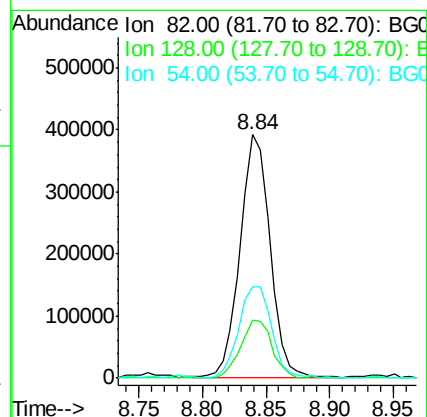
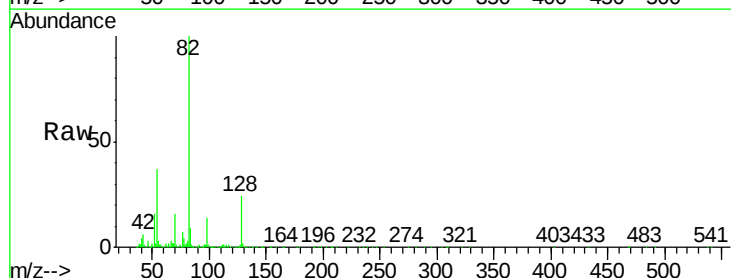
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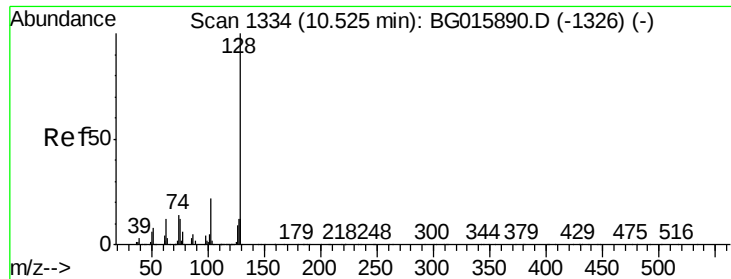
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#23  
Nitrobenzene-d5  
Concen: 60.92 ng  
RT: 8.84 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 23.9  | 19.8       | 29.8       |
| 54      | 37.4  | 33.0       | 49.4       |





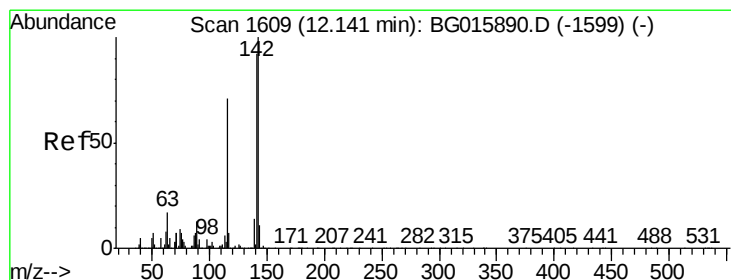
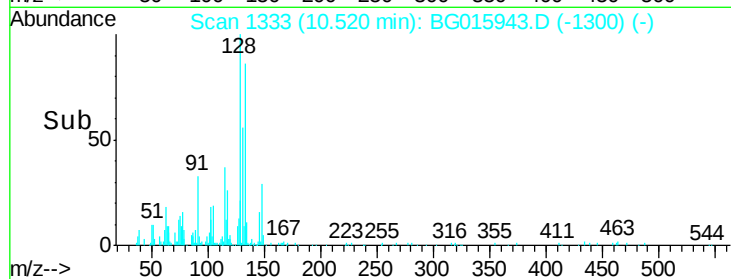
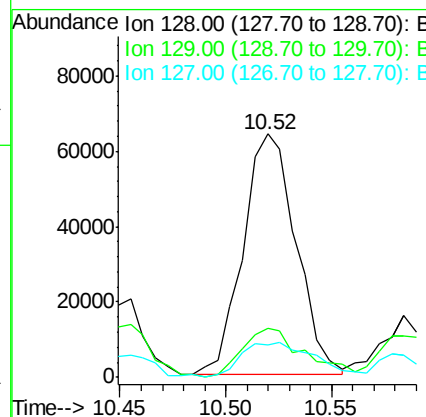
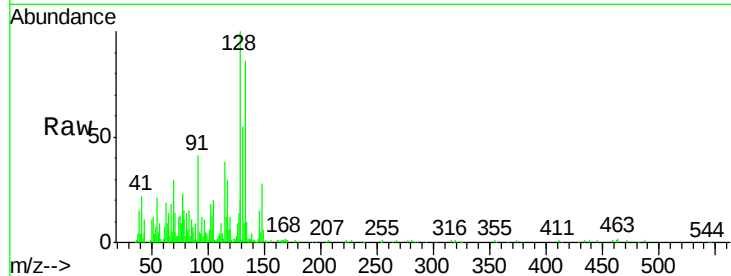
#31  
Naphthalene  
Concen: 7.17 ng  
RT: 10.52 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

Instrument :  
BNA\_G  
ClientSampleId :  
WC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 20.3  | 9.7   | 14.5# |
| 127     | 13.6  | 9.8   | 14.6  |

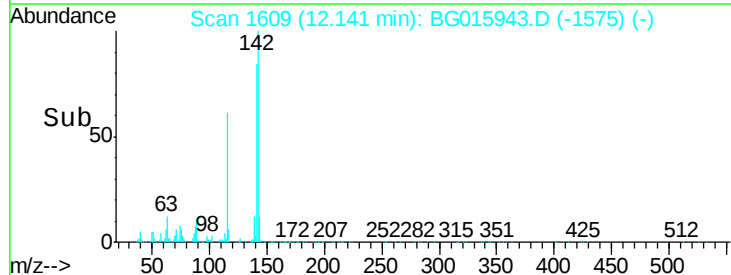
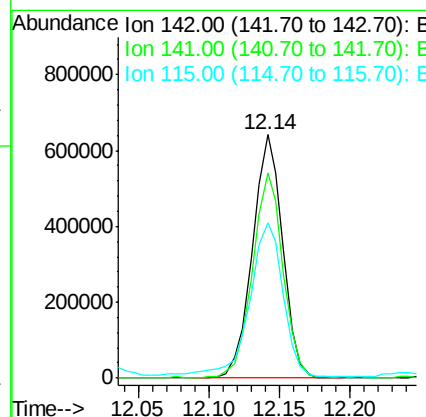
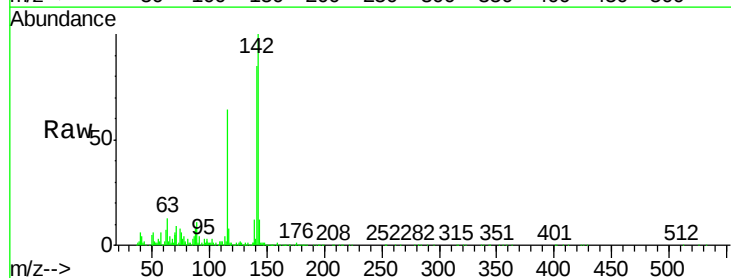
Manual Integrations  
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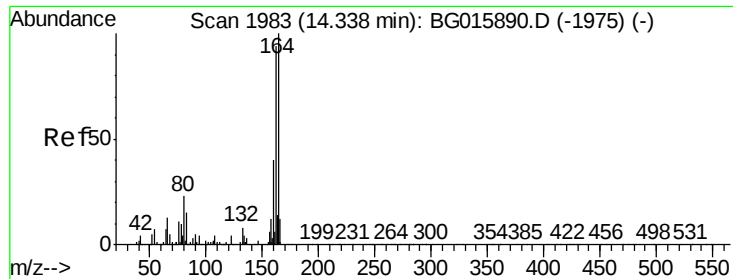
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#37  
2-Methylnaphthalene  
Concen: 77.78 ng  
RT: 12.14 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 84.5  | 73.8  | 110.8 |
| 115     | 63.6  | 56.6  | 84.8  |





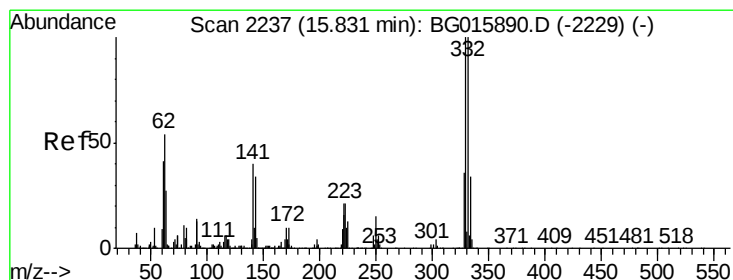
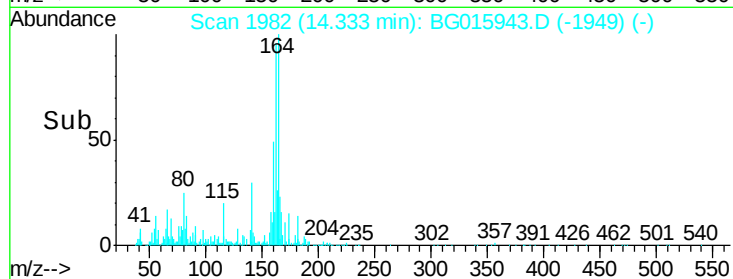
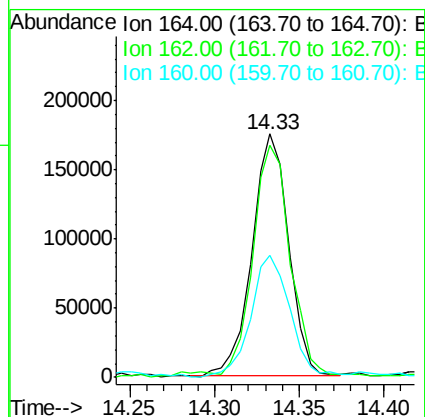
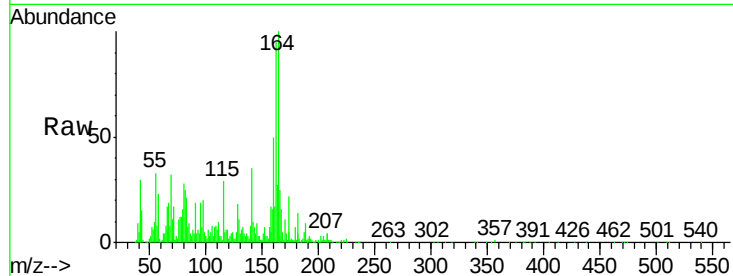
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Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.33 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

Instrument :  
BNA\_G  
ClientSampleId :  
WC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 264058 |       |       |
| 162     | 95.4  | 75.1   | 112.7 |       |
| 160     | 50.0  | 32.3   | 48.5  |       |

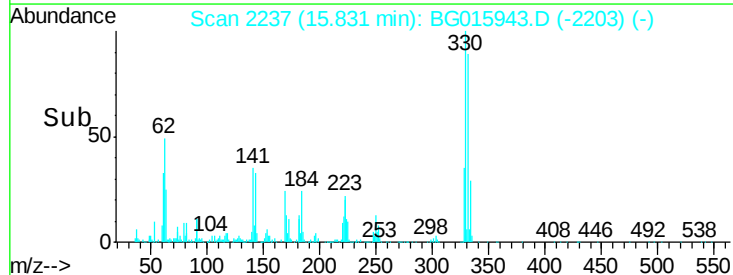
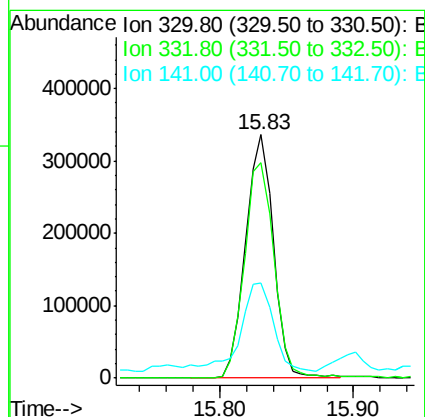
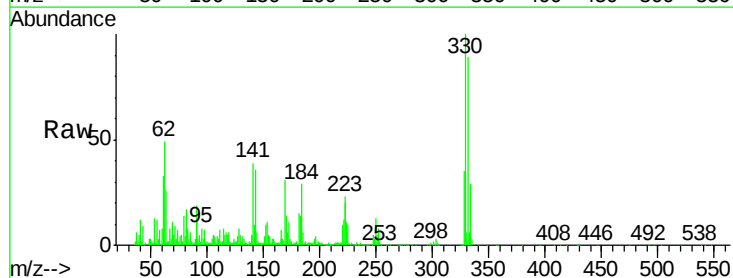
Manual Integrations  
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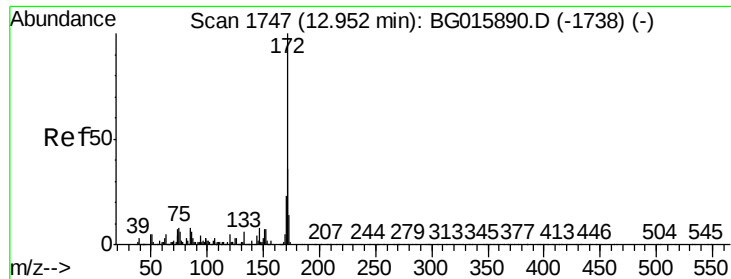
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#41  
2,4,6-Tribromophenol  
Concen: 99.91 ng  
RT: 15.83 min Scan# 2237  
Delta R.T. 0.00 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 482941 |       |       |
| 332     | 95.1  | 75.4   | 113.0 |       |
| 141     | 43.6  | 33.0   | 49.6  |       |





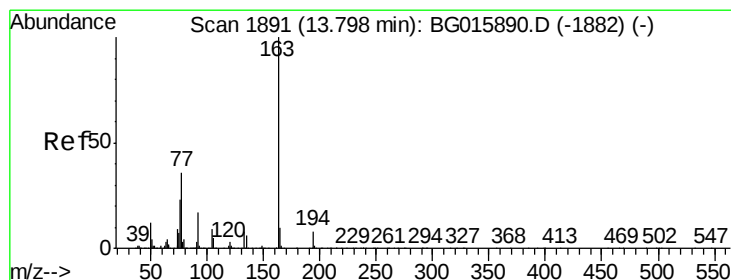
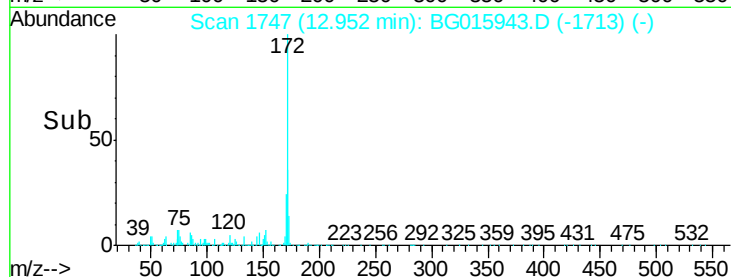
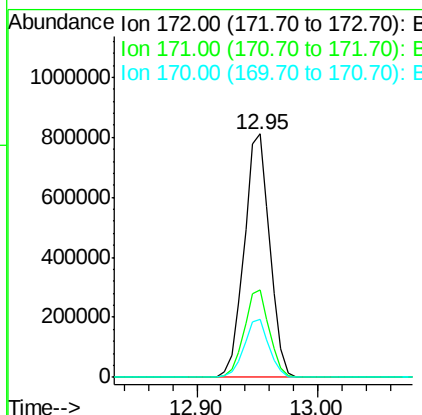
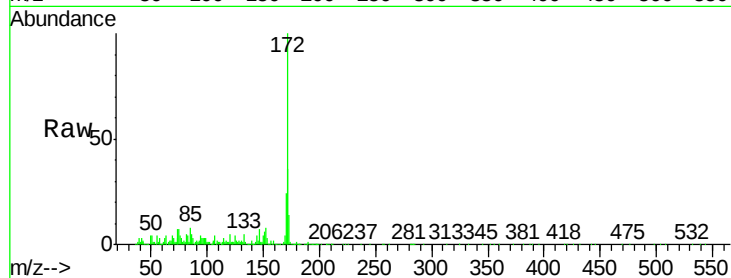
#44  
 2-Fluorobiphenyl  
 Concen: 71.00 ng  
 RT: 12.95 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: BG015943.D  
 Acq: 27 Jan 2015 12:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.2  | 43.8  |
| 170     | 23.8  | 18.6  | 27.8  |

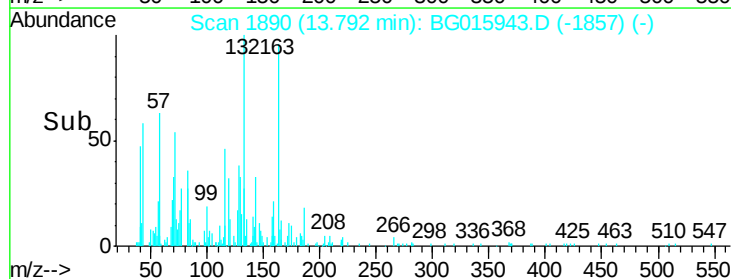
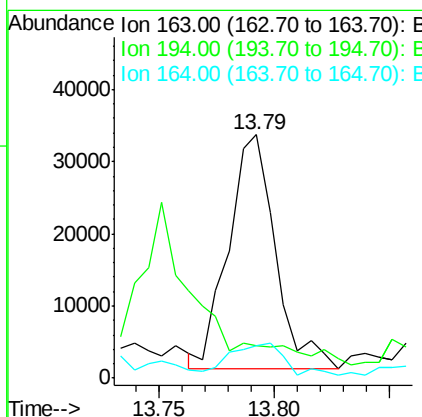
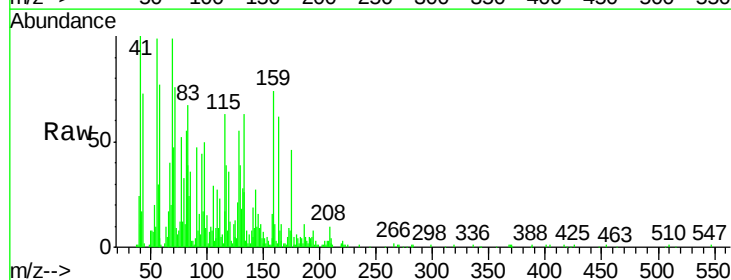
Manual Integrations  
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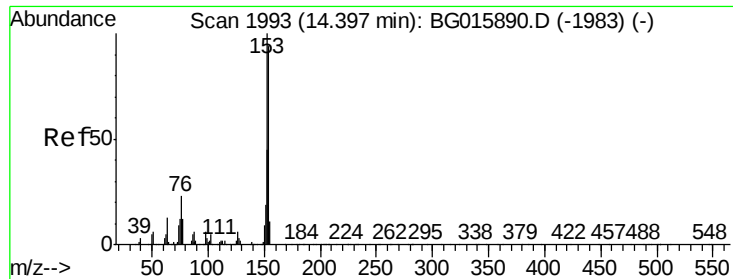
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#49  
 Dimethylphthalate  
 Concen: 2.42 ng  
 RT: 13.79 min Scan# 1890  
 Delta R.T. -0.01 min  
 Lab File: BG015943.D  
 Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 13.4  | 6.2   | 9.4#  |
| 164     | 13.1  | 8.0   | 12.0# |





#51

Acenaphthene

Concen: 4.65 ng

RT: 14.40 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BG015943.D

Acq: 27 Jan 2015 12:02

Instrument :

BNA\_G

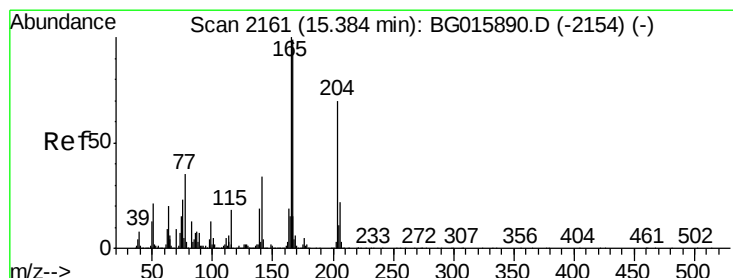
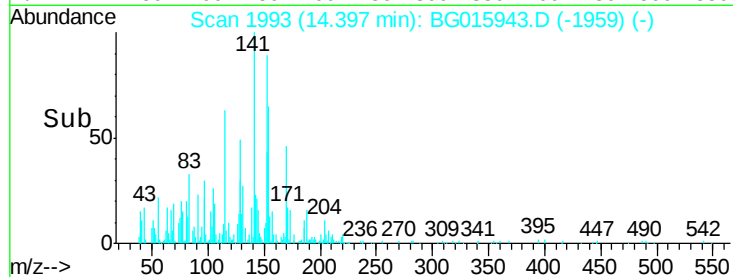
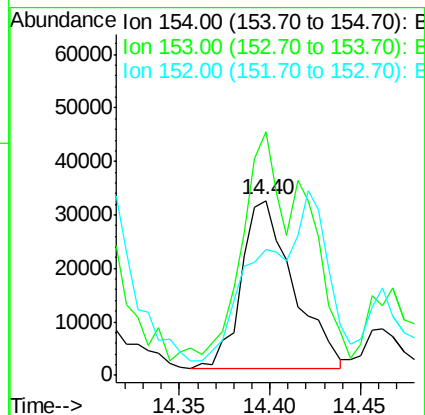
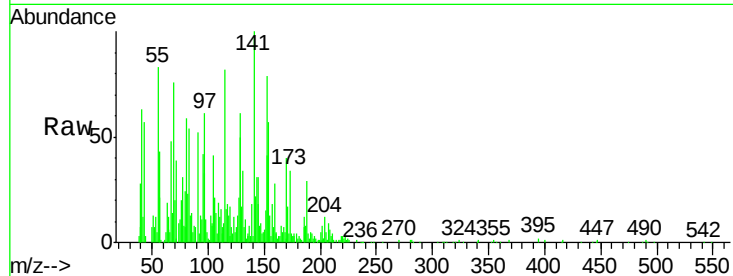
ClientSampleId :

WC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 62500  |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 139.5 | 85.1  | 127.7# |
| 152       | 72.5  | 38.3  | 57.5#  |

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#57

Fluorene

Concen: 8.88 ng

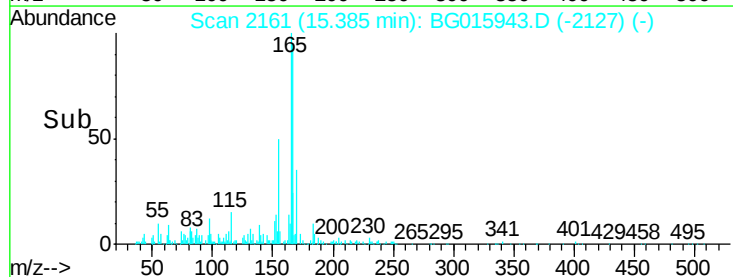
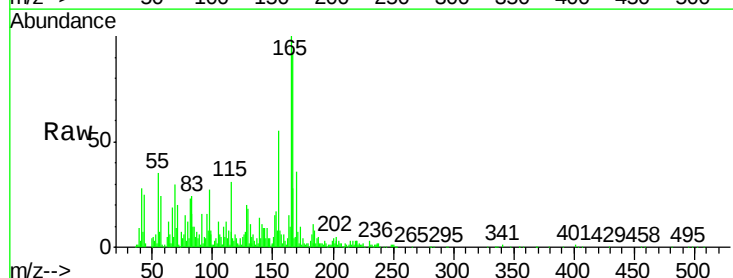
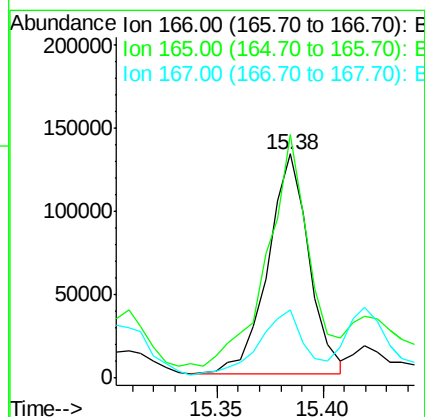
RT: 15.38 min Scan# 2161

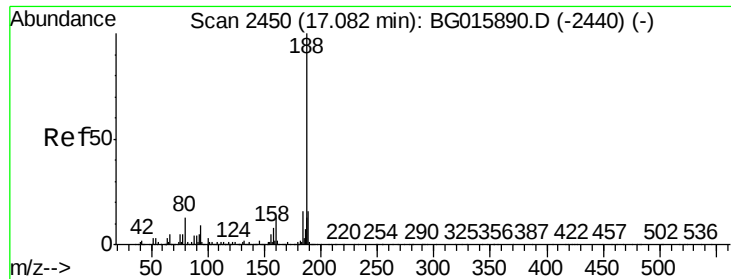
Delta R.T. 0.00 min

Lab File: BG015943.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 177371 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 108.7 | 80.6  | 120.8  |
| 167       | 30.7  | 12.5  | 18.7#  |





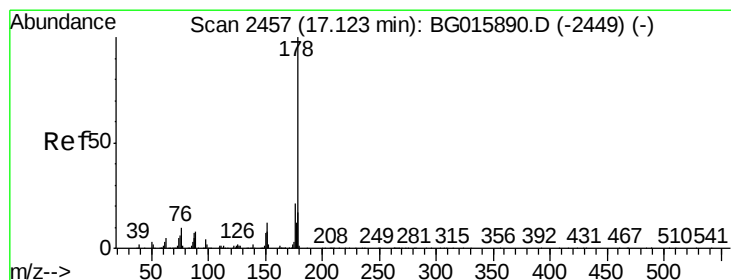
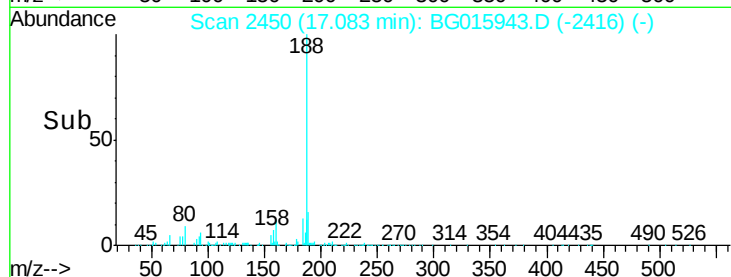
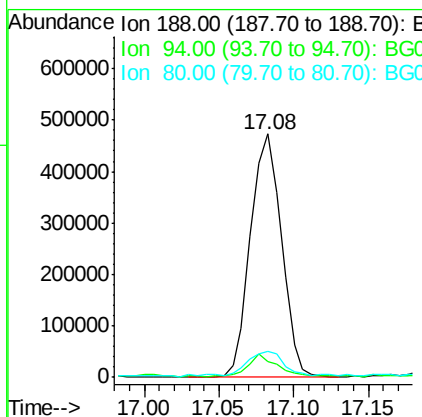
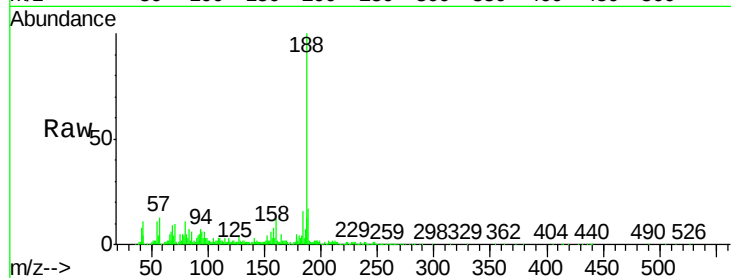
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.08 min Scan# 2450  
Delta R.T. 0.00 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

Instrument :  
BNA\_G  
ClientSampleId :  
WC

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 6.7   | 7.8        | 11.8#      |
| 80      | 10.9  | 10.6       | 16.0       |

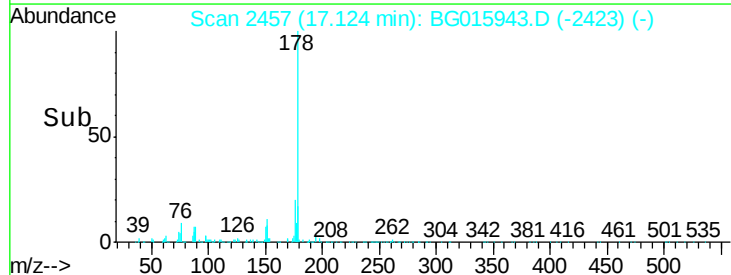
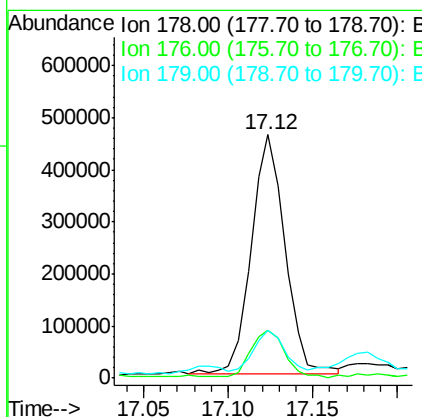
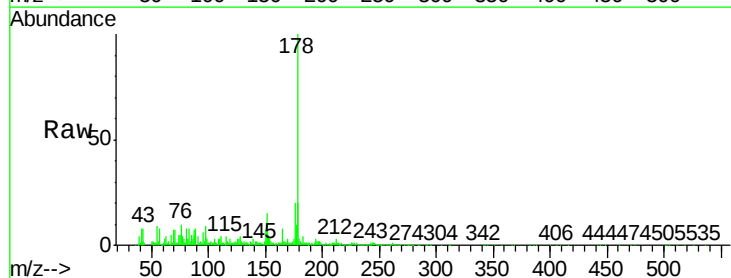
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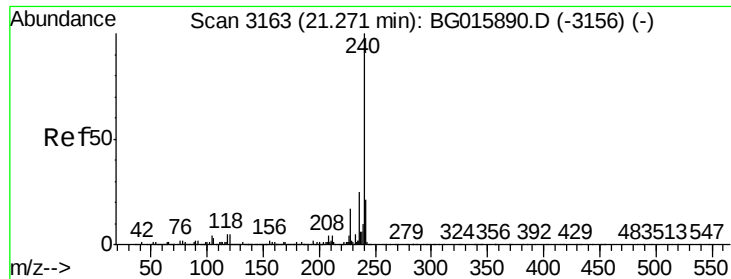
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#70  
Phenanthrene  
Concen: 18.78 ng  
RT: 17.12 min Scan# 2457  
Delta R.T. 0.00 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 19.6  | 16.9       | 25.3       |
| 179     | 19.9  | 13.3       | 19.9       |





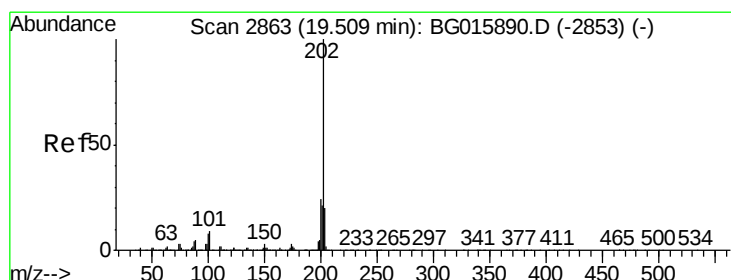
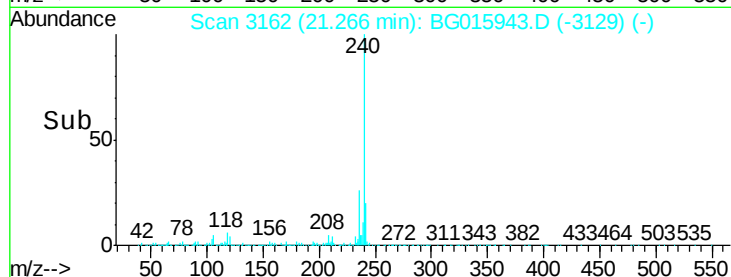
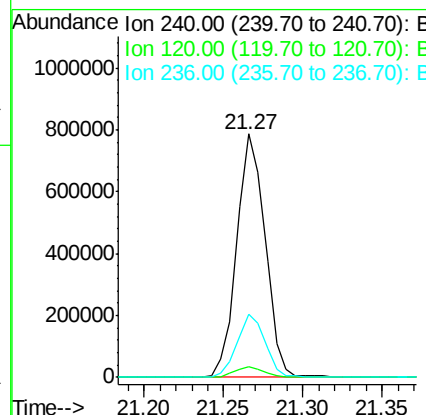
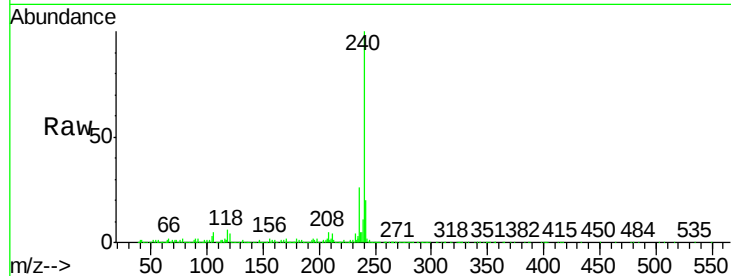
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.27 min Scan# 3162  
Delta R.T. -0.01 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

Instrument :  
BNA\_G  
ClientSampleId :  
WC

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 4.3   | 3.9        | 5.9        |
| 236     | 26.1  | 20.0       | 30.0       |

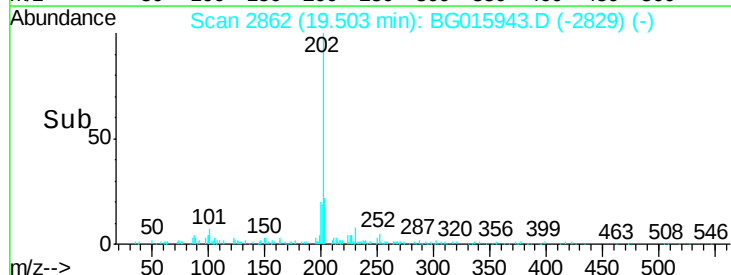
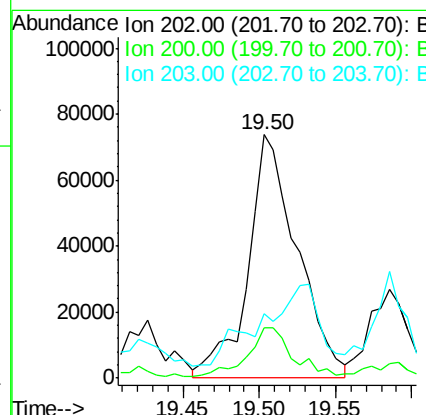
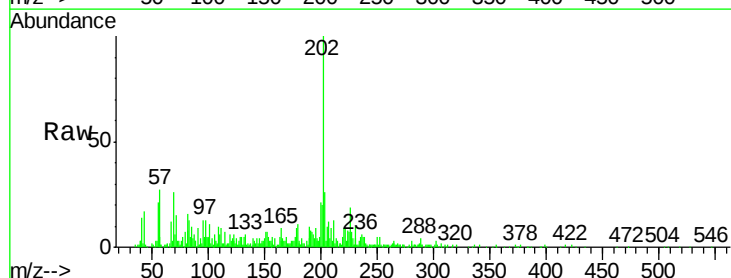
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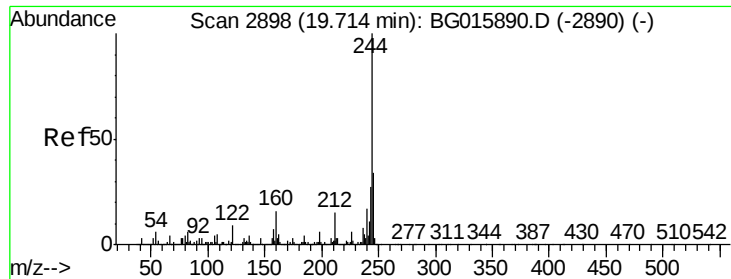
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#77  
Pyrene  
Concen: 3.55 ng m  
RT: 19.50 min Scan# 2862  
Delta R.T. -0.01 min  
Lab File: BG015943.D  
Acq: 27 Jan 2015 12:02

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 200     | 20.9  | 19.3       | 28.9       |
| 203     | 26.4  | 15.9       | 23.9       |





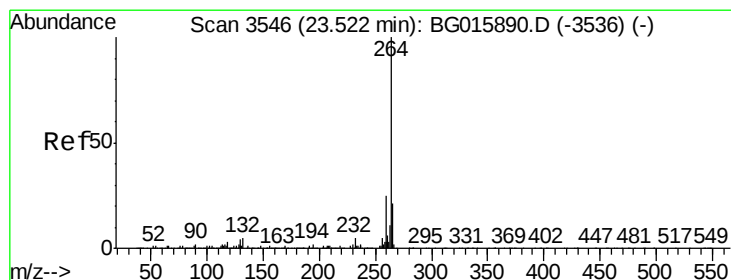
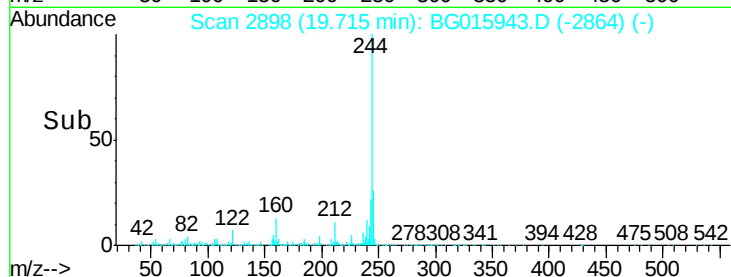
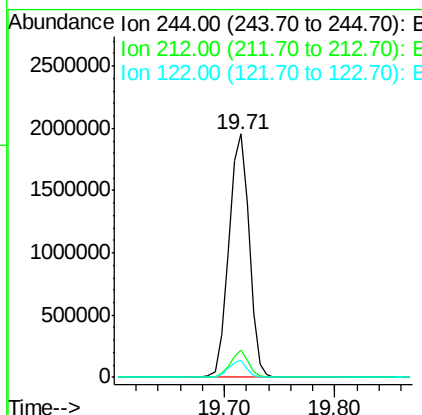
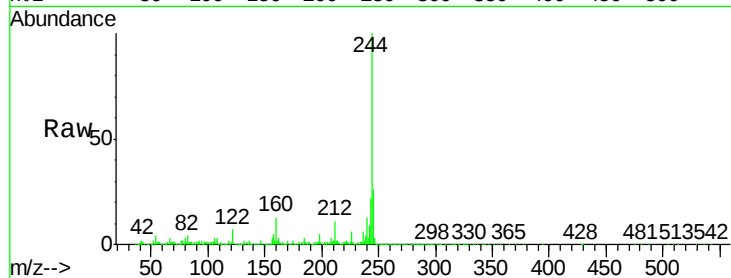
#78  
 Terphenyl-d14  
 Concen: 68.44 ng  
 RT: 19.71 min Scan# 2898  
 Delta R.T. 0.00 min  
 Lab File: BG015943.D  
 Acq: 27 Jan 2015 12:02

Instrument :  
 BNA\_G  
 ClientSampled :  
 WC

Tgt Ion:244 Resp: 2523470  
 Ion Ratio Lower Upper  
 244 100  
 212 11.0 11.6 17.4#  
 122 7.0 7.0 10.4

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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.52 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: BG015943.D  
 Acq: 27 Jan 2015 12:02

Tgt Ion:264 Resp: 999588  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.7 29.5  
 265 24.7 17.3 25.9

