

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120216\  
 Data File : BM008151.D  
 Acq On : 02 Dec 2016 12:05  
 Operator : UM/SJ  
 Sample : H5730-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WC3

Manual Integrations  
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Quant Time: Dec 02 15:38:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 02 15:28:31 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.71  | 152  | 399      | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.50 | 136  | 1261     | 0.40 | ng/ul  | 0.01     |
| 6) Acenaphthene-d10         | 14.33 | 164  | 721      | 0.40 | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.09 | 188  | 1272m    | 0.40 | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.29 | 240  | 1241     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.53 | 264  | 1271     | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.10 | 152  | 545      | 0.31 | ng/ul  | 0.01     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 1303     | 0.36 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.55 | 128  | 1884     | 0.53 | ng/ul# | 90       |
| 5) 2-Methylnaphthalene      | 12.16 | 142  | 1280     | 0.56 | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.06 | 152  | 1877     | 0.58 | ng/ul  | 97       |
| 8) Acenaphthene             | 14.40 | 153  | 1687     | 0.68 | ng/ul  | 98       |
| 11) Pentachlorophenol       | 16.78 | 266  | 461      | 1.04 | ng/ul  | 98       |
| 13) Anthracene              | 17.23 | 178  | 1998     | 0.54 | ng/ul  | 94       |
| 17) Pyrene                  | 19.52 | 202  | 4006     | 0.93 | ng/ul  | 98       |
| 19) Chrysene                | 21.32 | 228  | 2946     | 0.62 | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 22.85 | 252  | 3443     | 0.68 | ng/ul  | 94       |
| 22) Benzo(k)fluoranthene    | 22.90 | 252  | 5951m    | 1.14 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.43 | 252  | 1907     | 0.40 | ng/ul  | 96       |
| 25) Dibenzo(a,h)anthracene  | 25.79 | 278  | 3670     | 0.78 | ng/ul# | 95       |

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

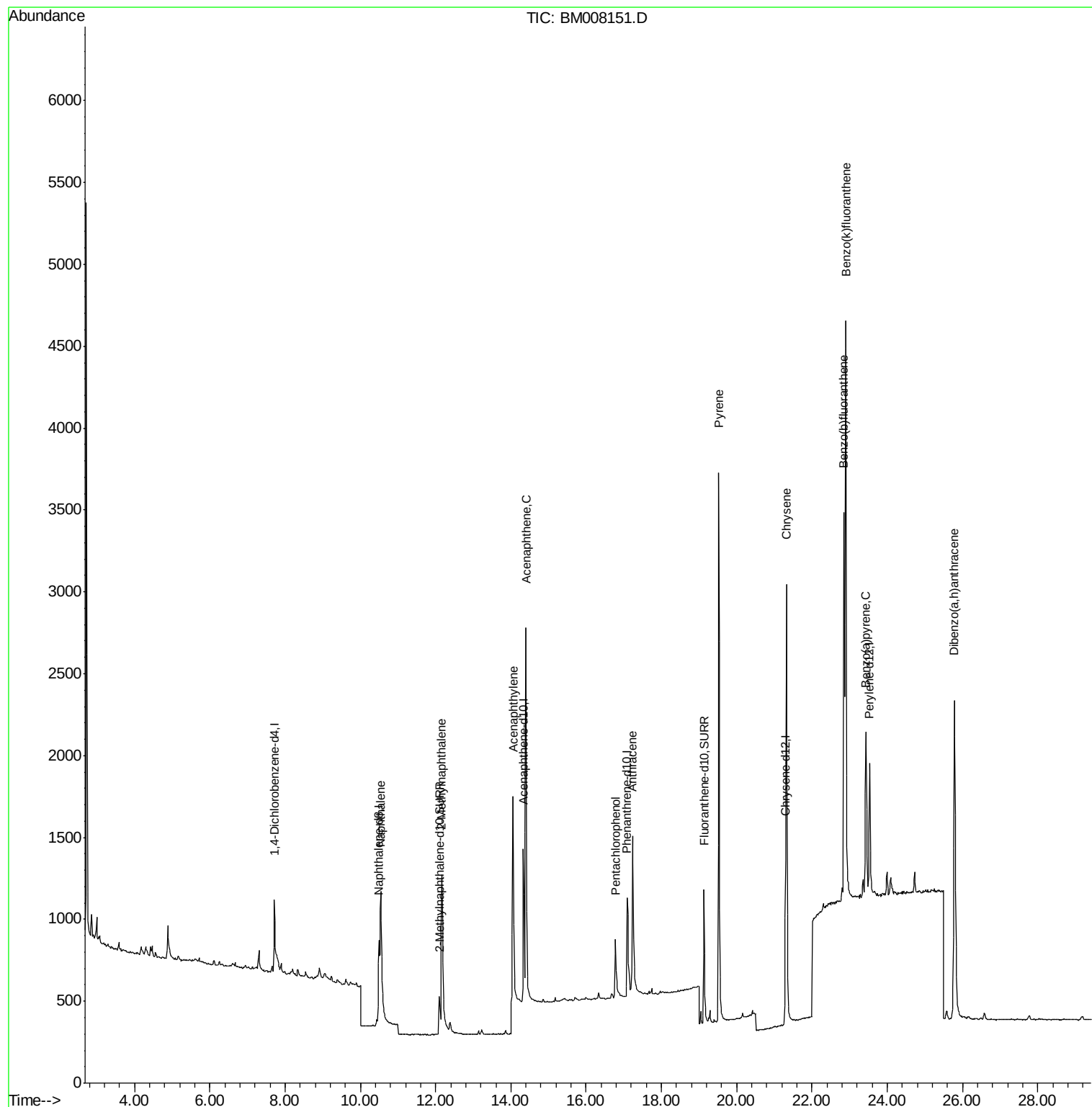
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120216\  
Data File : BM008151.D  
Acq On : 02 Dec 2016 12:05  
Operator : UM/SJ  
Sample : H5730-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

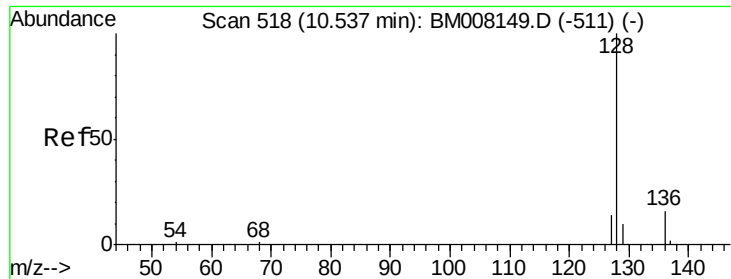
Instrument :  
BNA\_M  
ClientSampleId :  
A4WC3

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Quant Time: Dec 02 15:38:11 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 02 15:28:31 2016  
Response via : Initial Calibration





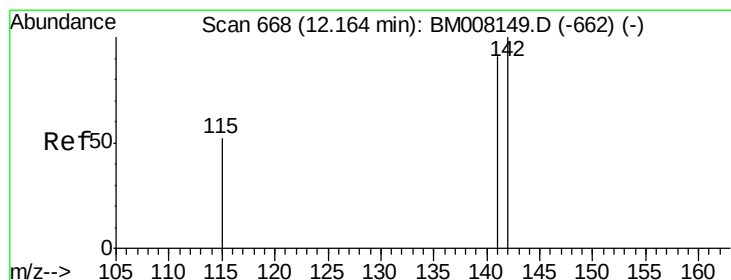
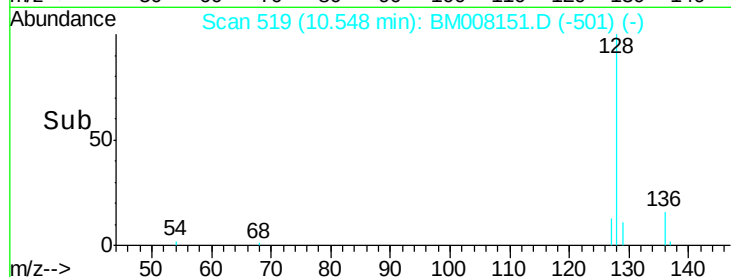
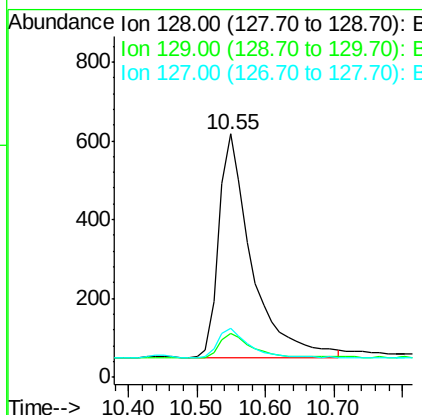
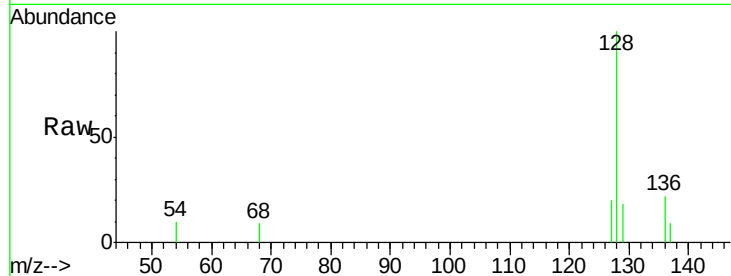
#3  
Naphthalene  
Concen: 0.53 ng/ul  
RT: 10.55 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: BM008151.D  
Acq: 02 Dec 2016 12:05

Instrument :  
BNA\_M  
ClientSampleId :  
A4WC3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 18.1  | 11.3  | 16.9# |
| 127     | 20.1  | 12.8  | 19.2# |

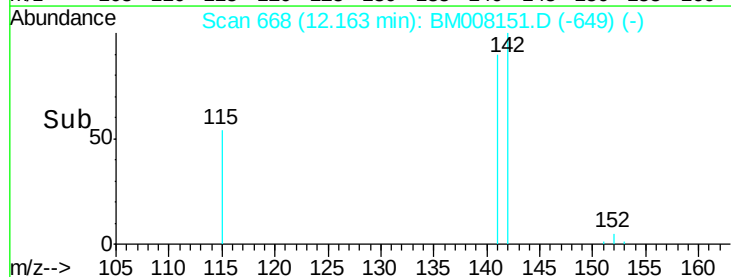
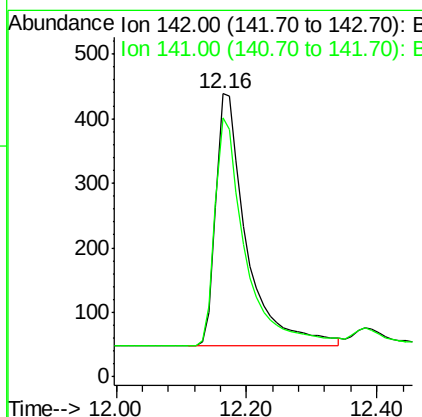
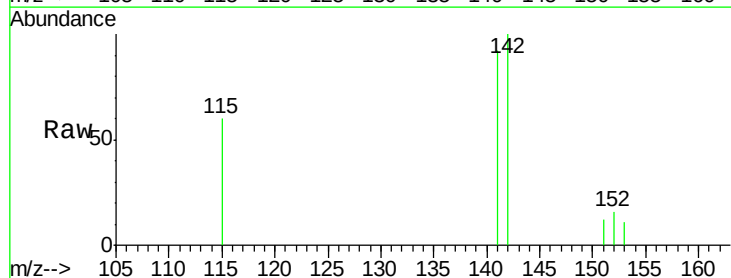
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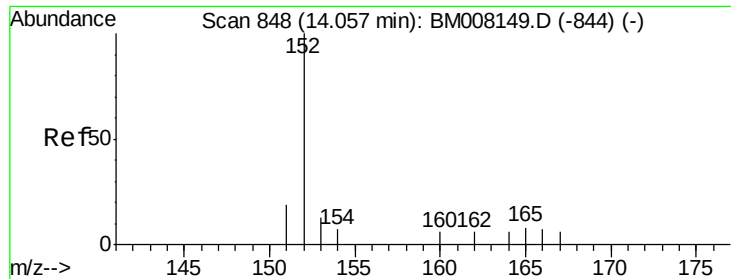
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#5  
2-Methylnaphthalene  
Concen: 0.56 ng/ul  
RT: 12.16 min Scan# 668  
Delta R.T. -0.00 min  
Lab File: BM008151.D  
Acq: 02 Dec 2016 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.8  | 72.6  | 108.8 |





#7

Acenaphthylene

Concen: 0.58 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008151.D

Acq: 02 Dec 2016 12:05

Instrument :

BNA\_M

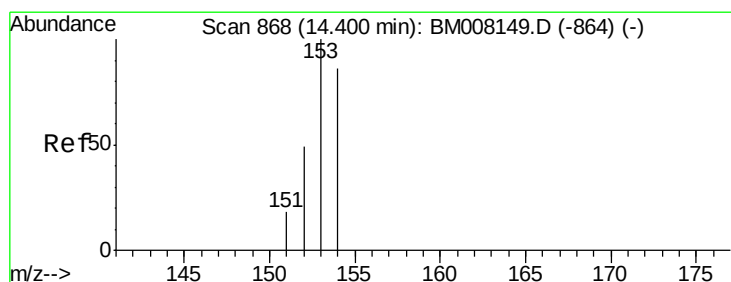
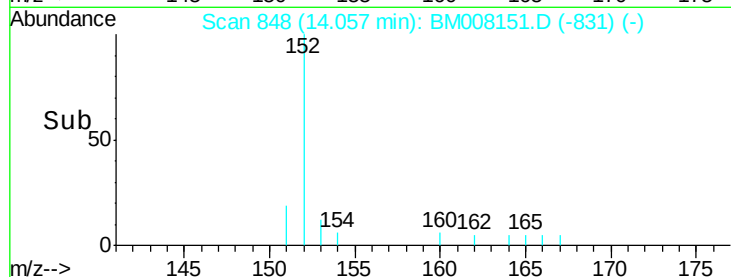
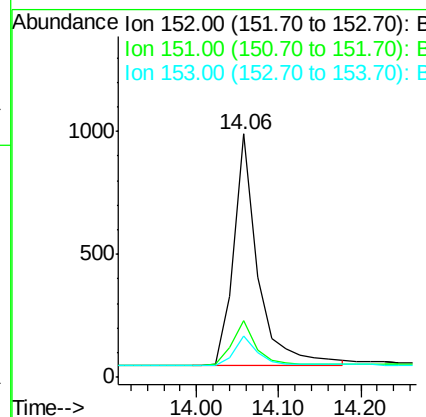
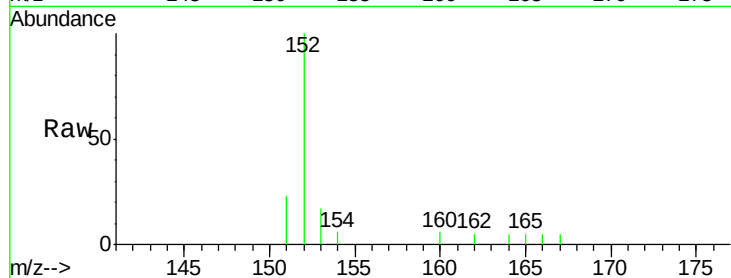
ClientSampleId :

A4WC3

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 1877 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 23.3  | 17.1  | 25.7 |
| 153       | 17.0  | 12.8  | 19.2 |

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#8

Acenaphthene

Concen: 0.68 ng/ul

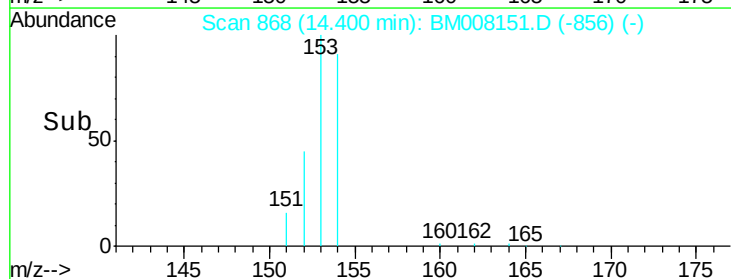
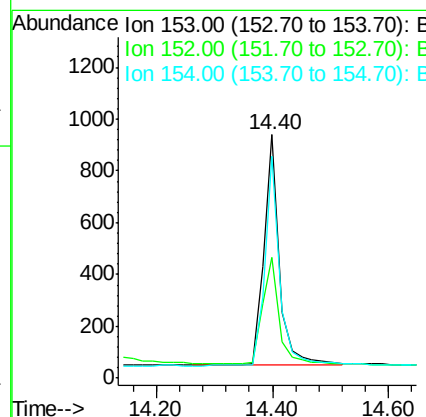
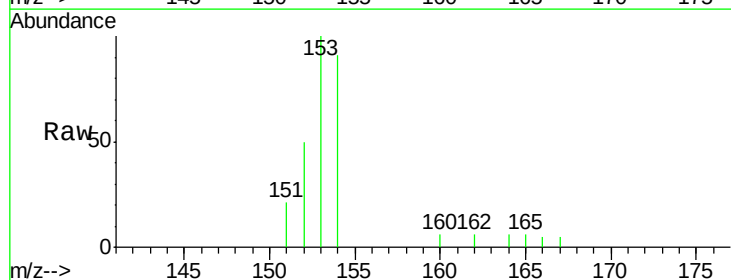
RT: 14.40 min Scan# 868

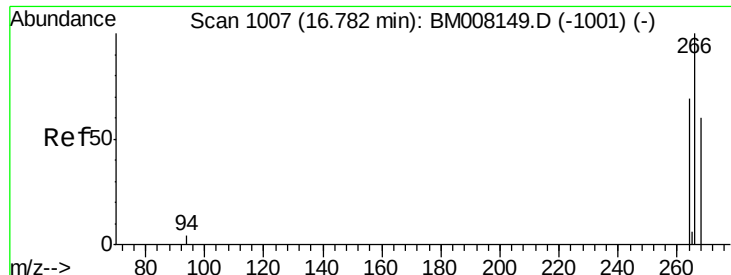
Delta R.T. -0.00 min

Lab File: BM008151.D

Acq: 02 Dec 2016 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 1687  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 49.7  | 40.3  | 60.5  |
| 154       | 91.0  | 71.4  | 107.2 |





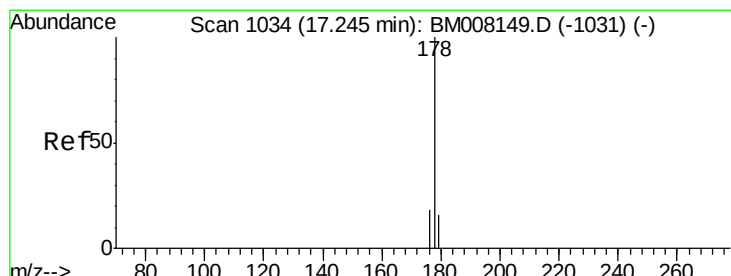
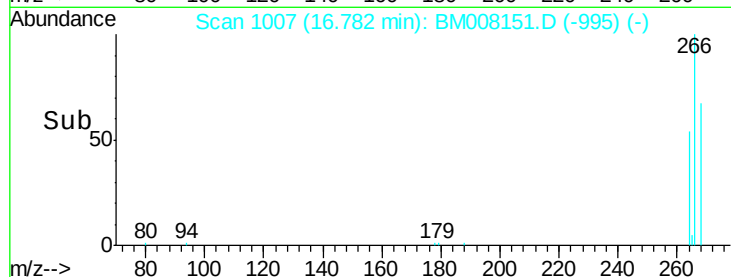
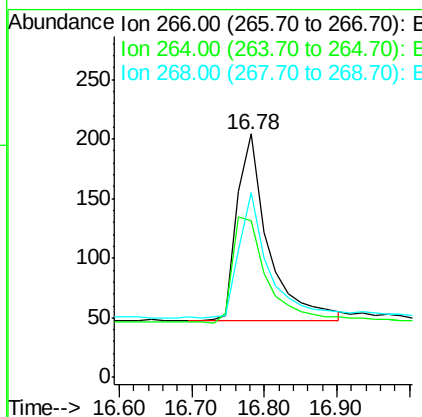
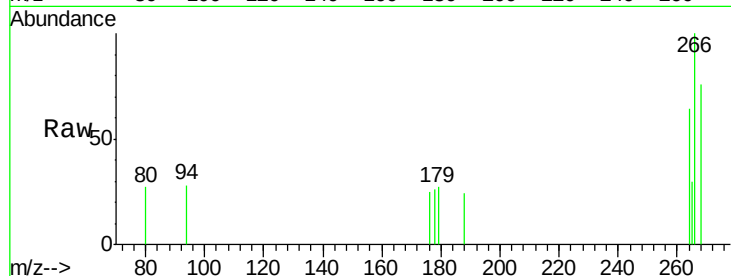
#11  
 Pentachlorophenol  
 Concen: 1.04 ng/ul  
 RT: 16.78 min Scan# 1007  
 Delta R.T. -0.00 min  
 Lab File: BM008151.D  
 Acq: 02 Dec 2016 12:05

Instrument :  
 BNA\_M  
 ClientSampled :  
 A4WC3

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 461  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 60.5  | 47.9  | 71.9 |
| 268       | 64.4  | 49.8  | 74.8 |

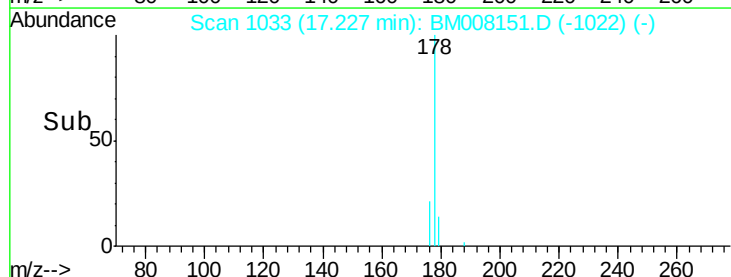
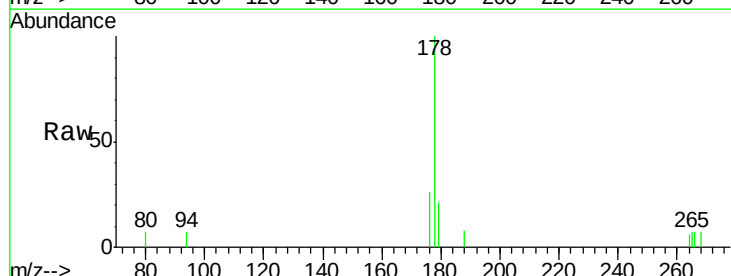
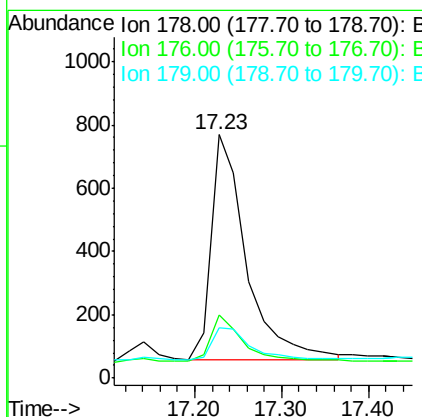
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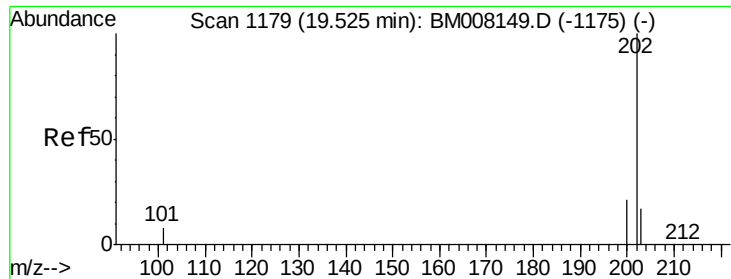
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#13  
 Anthracene  
 Concen: 0.54 ng/ul  
 RT: 17.23 min Scan# 1033  
 Delta R.T. -0.02 min  
 Lab File: BM008151.D  
 Acq: 02 Dec 2016 12:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 1998 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 25.9  | 18.1  | 27.1 |
| 179       | 20.8  | 14.7  | 22.1 |





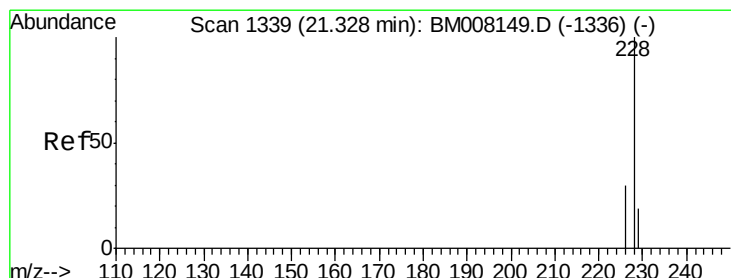
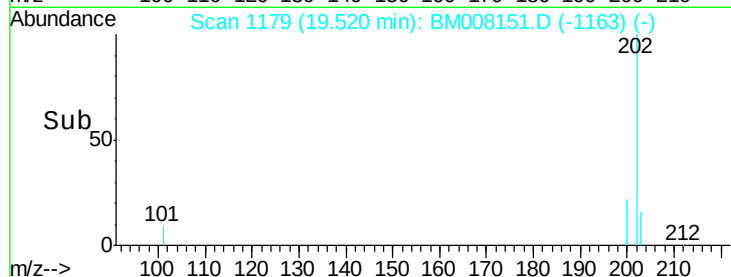
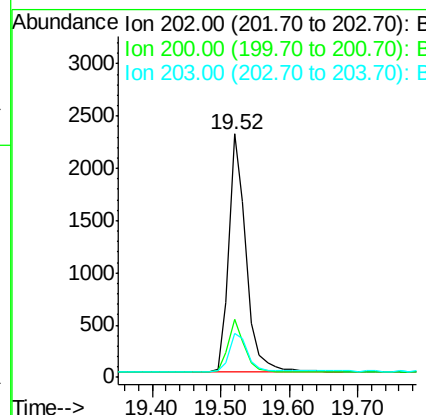
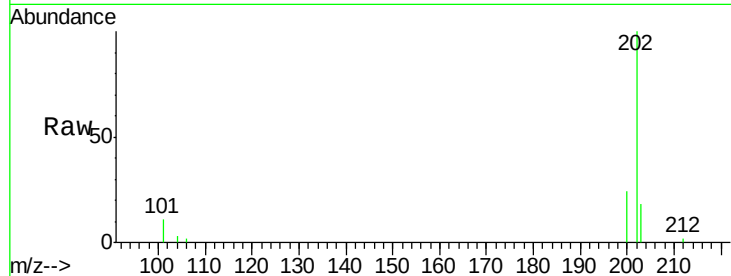
#17  
 Pyrene  
 Concen: 0.93 ng/ul  
 RT: 19.52 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: BM008151.D  
 Acq: 02 Dec 2016 12:05

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WC3

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 4006 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 200       | 23.7  | 18.2  | 27.4 |
| 203       | 18.2  | 15.6  | 23.4 |

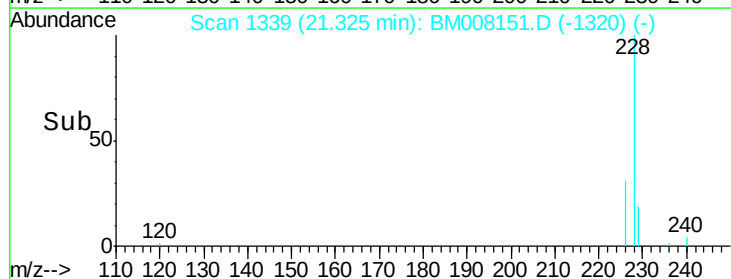
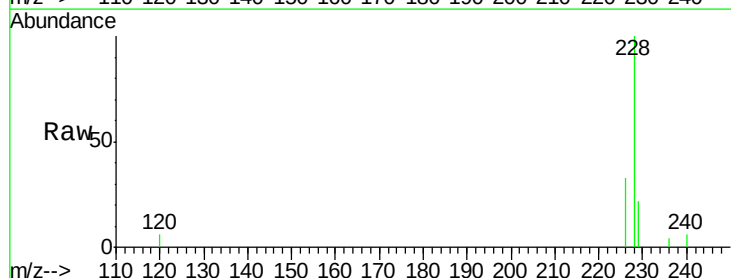
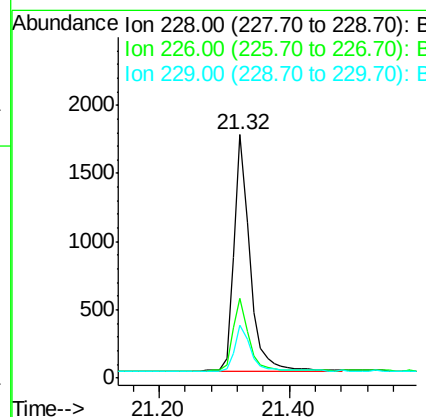
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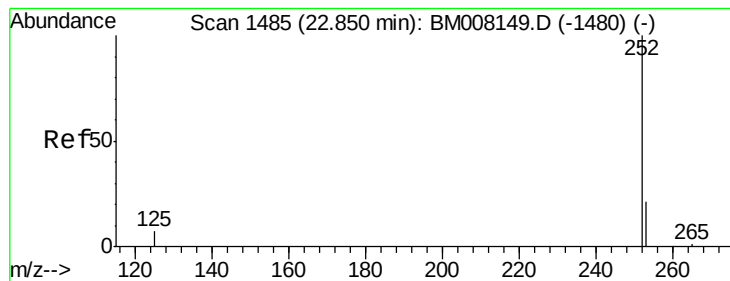
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#19  
 Chrysene  
 Concen: 0.62 ng/ul  
 RT: 21.32 min Scan# 1339  
 Delta R.T. -0.00 min  
 Lab File: BM008151.D  
 Acq: 02 Dec 2016 12:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 2946 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.7  | 23.4  | 35.0 |
| 229       | 21.6  | 17.7  | 26.5 |





#21

Benzo(b)fluoranthene

Concen: 0.68 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM008151.D

Acq: 02 Dec 2016 12:05

Instrument :

BNA\_M

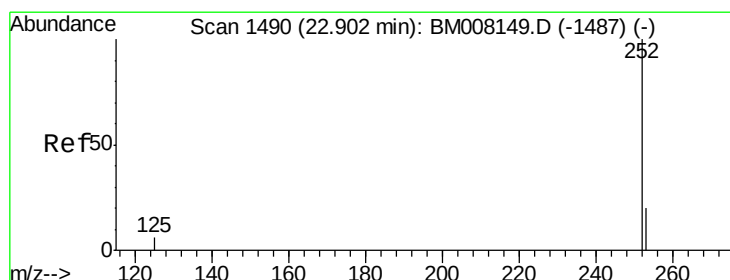
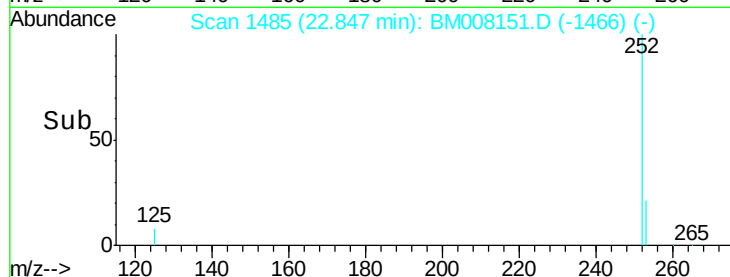
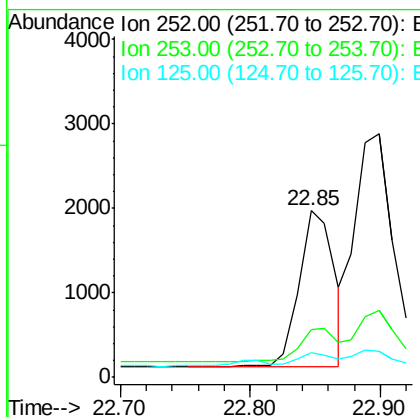
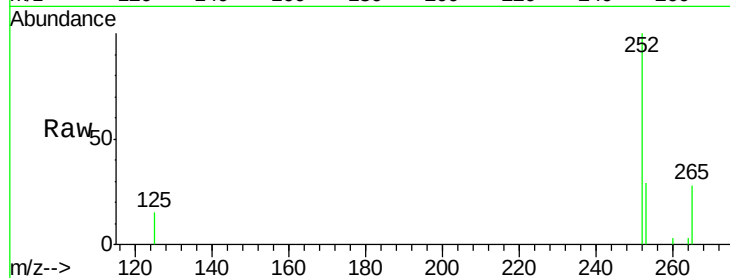
ClientSampleId :

A4WC3

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 3443 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 28.8  | 0.0   | 64.2 |
| 125       | 14.8  | 0.0   | 35.0 |

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#22

Benzo(k)fluoranthene

Concen: 1.14 ng/ul m

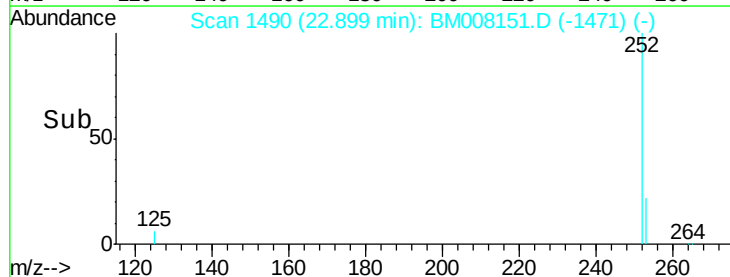
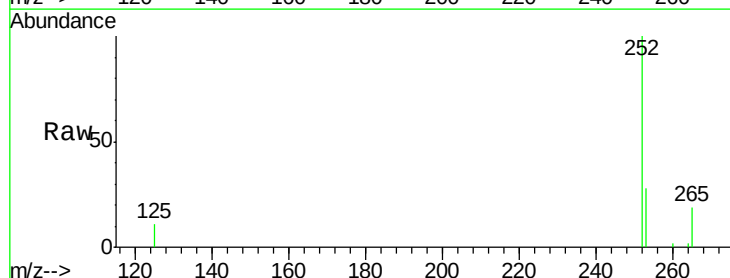
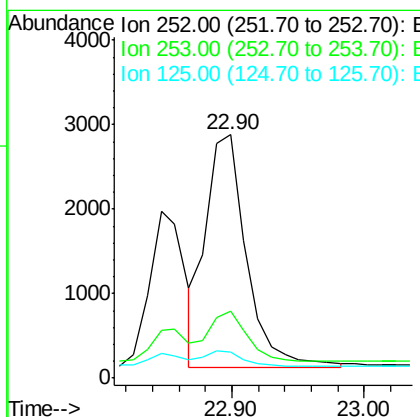
RT: 22.90 min Scan# 1490

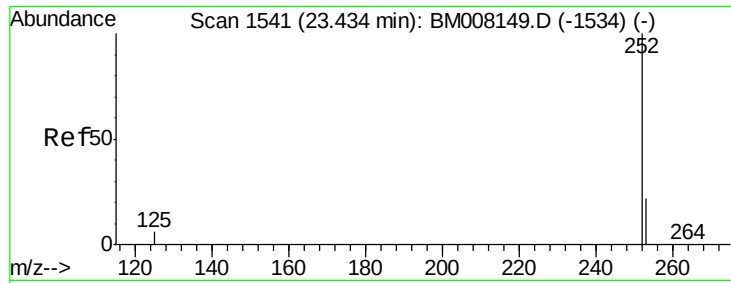
Delta R.T. -0.00 min

Lab File: BM008151.D

Acq: 02 Dec 2016 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 5951  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.8  | 24.5  | 36.7  |
| 125       | 10.9  | 13.7  | 20.5# |





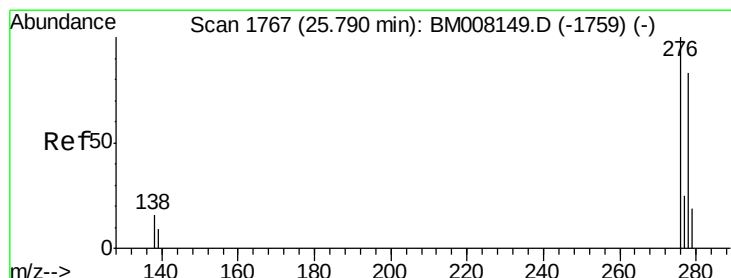
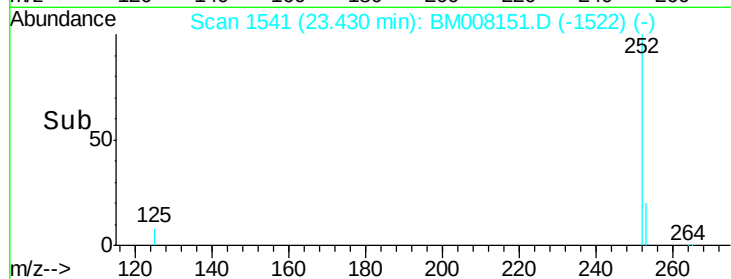
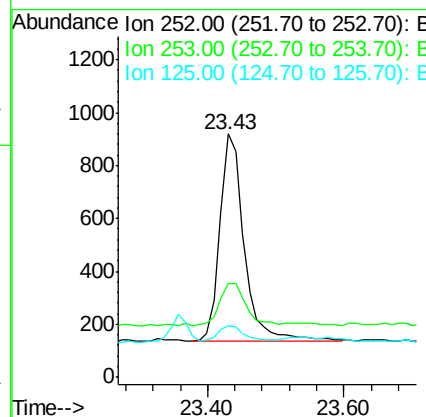
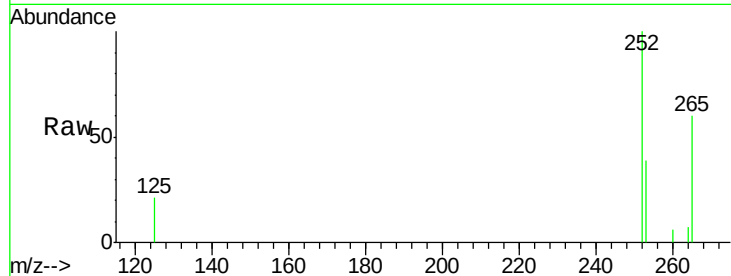
#23  
Benzo(a)pyrene  
Concen: 0.40 ng/ul  
RT: 23.43 min Scan# 1541  
Delta R.T. -0.00 min  
Lab File: BM008151.D  
Acq: 02 Dec 2016 12:05

Instrument :  
BNA\_M  
ClientSampleId :  
A4WC3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 38.7  | 28.5  | 42.7  |
| 125     | 21.3  | 18.1  | 27.1  |

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#25  
Dibenzo(a,h)anthracene  
Concen: 0.78 ng/ul  
RT: 25.79 min Scan# 1767  
Delta R.T. -0.00 min  
Lab File: BM008151.D  
Acq: 02 Dec 2016 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.1  | 17.4  | 26.0# |
| 279     | 31.1  | 25.9  | 38.9  |

