

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061215\  
 Data File : BF079952.D  
 Acq On : 12 Jun 2015 23:32  
 Operator : TP/IZ  
 Sample : G2627-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-141

Manual Integrations  
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 6/15/2015 12:44:30 PM

Quant Time: Jun 13 01:32:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 12 22:57:49 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 39510    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.67  | 136  | 156321   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.44 | 164  | 82854    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.94 | 188  | 181520   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 14.83 | 240  | 200133m  | 20.00  | ng    | -0.31    |
| 86) Perylene-d12            | 16.70 | 264  | 192012m  | 20.00  | ng    | -0.40    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.99  | 112  | 177411   | 82.34  | ng    | 0.00     |
| 7) Phenol-d6                | 6.97  | 99   | 150512   | 51.27  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.93  | 82   | 250298   | 105.64 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.23 | 330  | 110314   | 132.14 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.75  | 172  | 579682   | 97.97  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.60 | 244  | 702697m  | 80.95  | ng    | -0.17    |

Target Compounds Qvalue

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

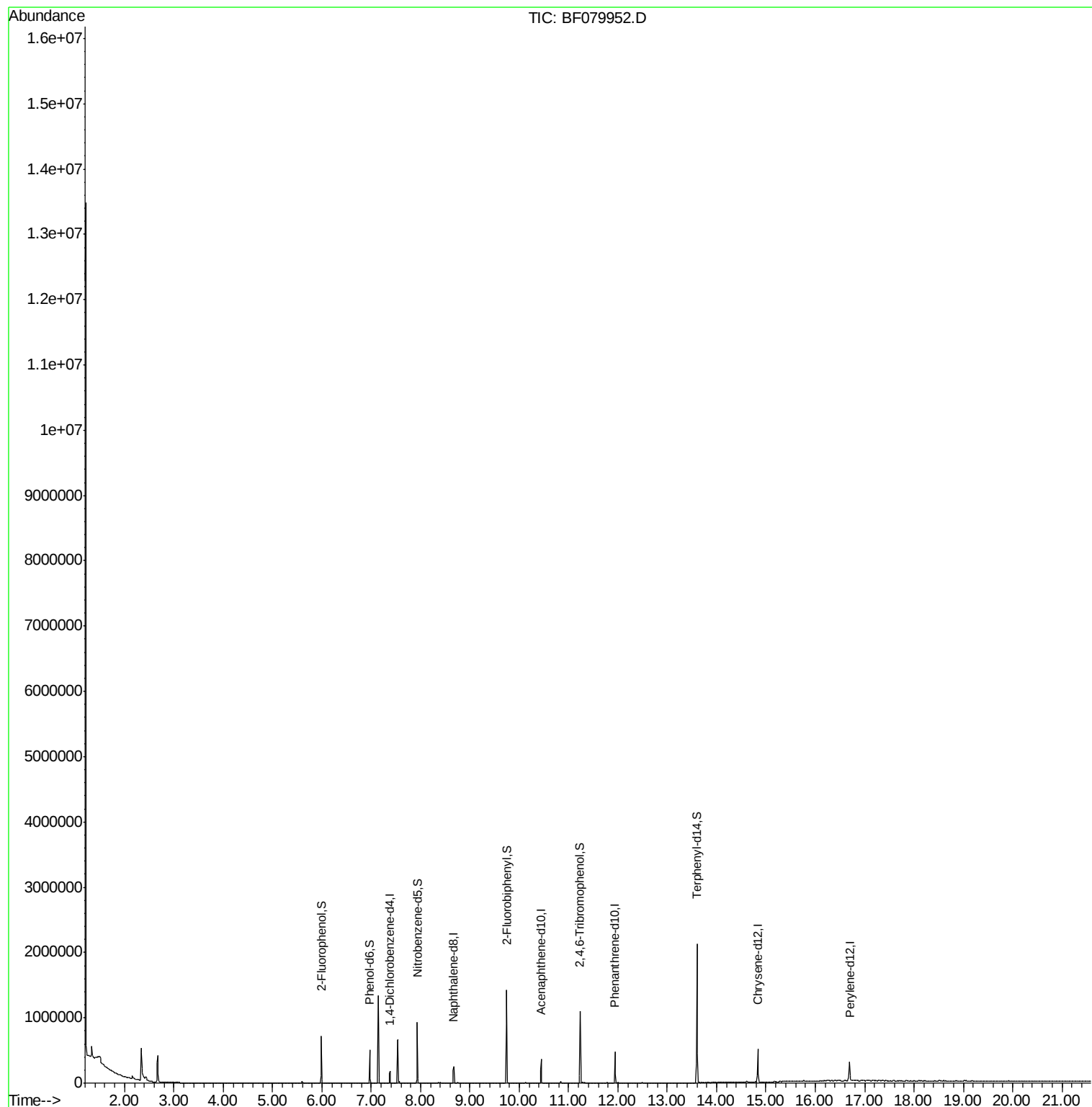
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061215\  
Data File : BF079952.D  
Acq On : 12 Jun 2015 23:32  
Operator : TP/IZ  
Sample : G2627-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

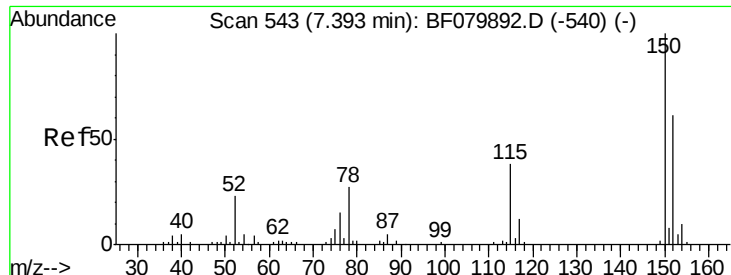
Instrument :  
BNA\_F  
ClientSampleId :  
MW-141

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Quant Time: Jun 13 01:32:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 12 22:57:49 2015  
Response via : Initial Calibration

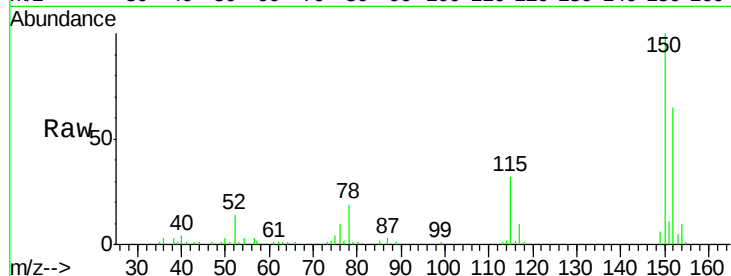




#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.38 min Scan# 542  
Delta R.T. 0.00 min  
Lab File: BF079952.D  
Acq: 12 Jun 2015 23:32

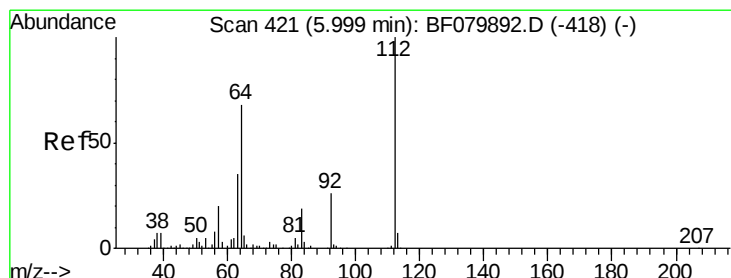
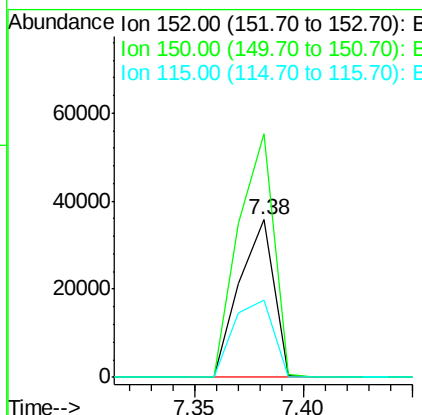
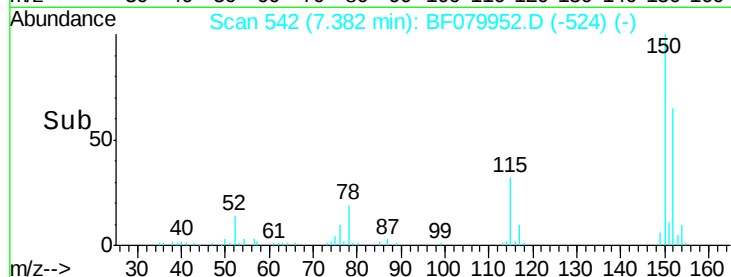
Instrument :  
BNA\_F  
ClientSampleId :  
MW-141



| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 39510 |       |       |
| 150     | 154.4 | 131.0 | 196.4 |       |
| 115     | 48.7  | 49.8  | 74.6  |       |

Manual Integrations  
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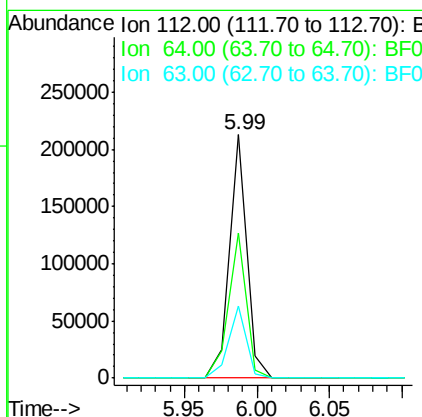
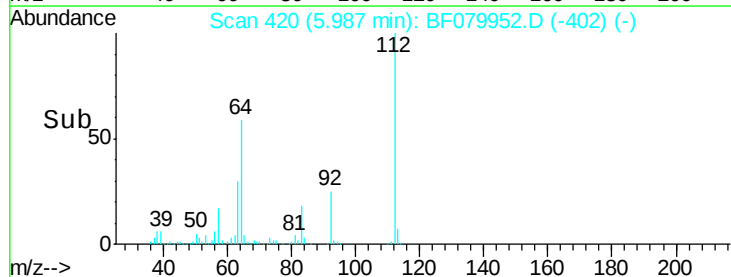
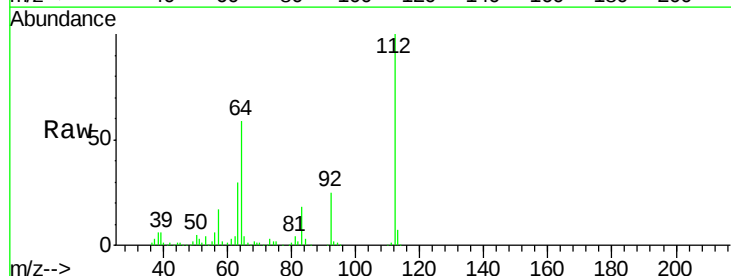
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#5

2-Fluorophenol  
Concen: 82.34 ng  
RT: 5.99 min Scan# 420  
Delta R.T. 0.00 min  
Lab File: BF079952.D  
Acq: 12 Jun 2015 23:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 177411 |       |       |
| 64      | 59.5  | 54.5   | 81.7  |       |
| 63      | 29.7  | 27.9   | 41.9  |       |





#7

Phenol-d6

Concen: 51.27 ng

RT: 6.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF079952.D

Acq: 12 Jun 2015 23:32

Instrument :

BNA\_F

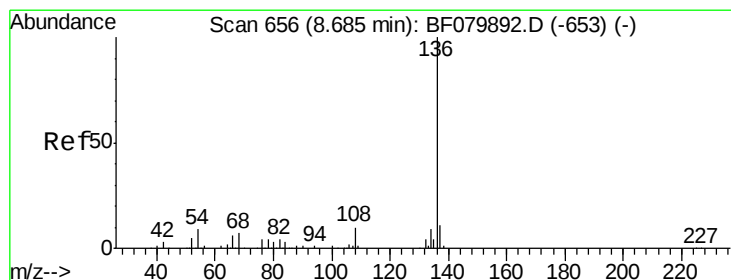
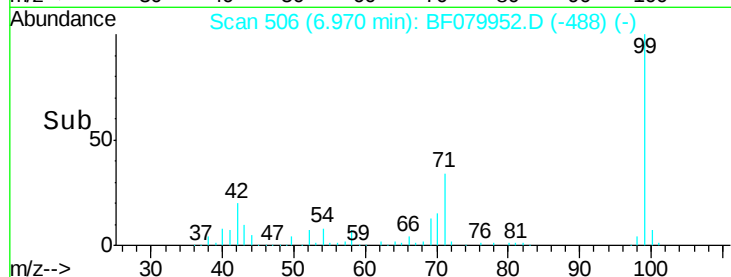
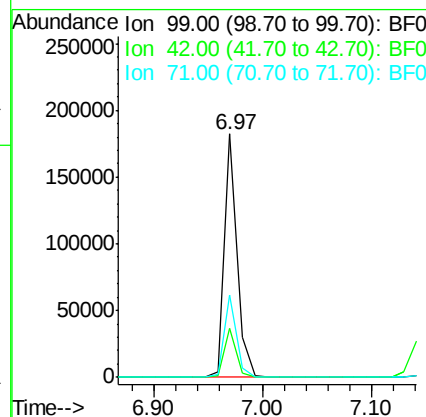
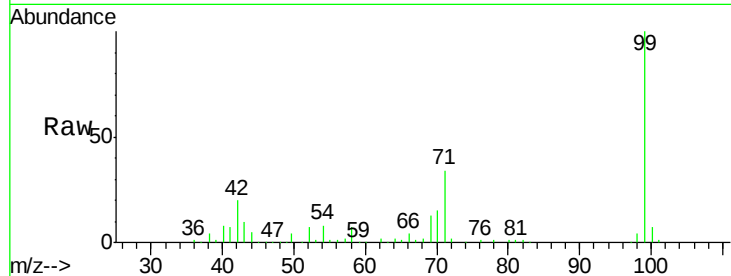
ClientSampleId :

MW-141

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 150512 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.1  | 12.9  | 19.3#  |
| 71        | 33.9  | 23.4  | 35.2   |

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#21

Naphthalene-d8

Concen: 20.00 ng

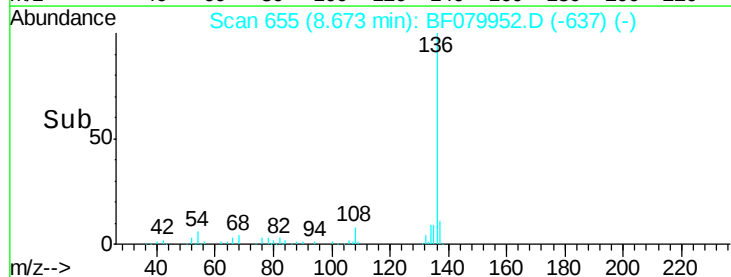
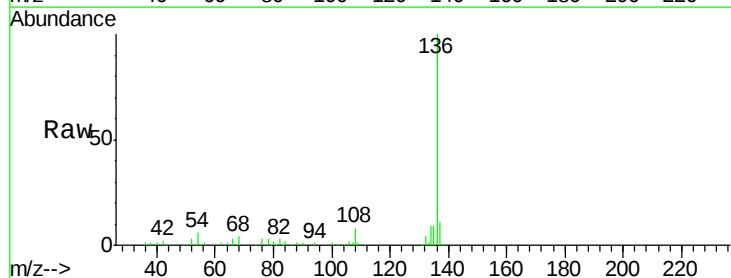
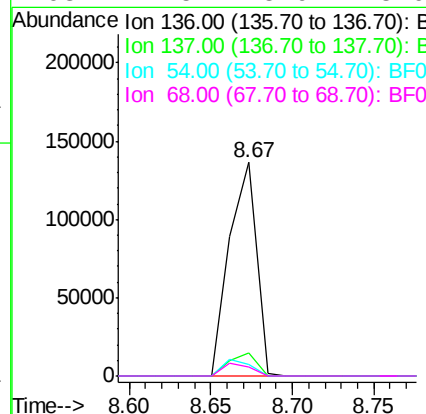
RT: 8.67 min Scan# 655

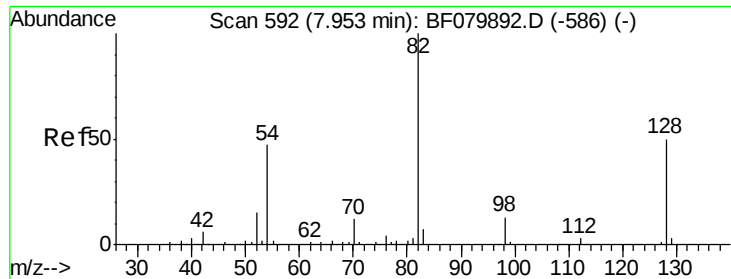
Delta R.T. 0.00 min

Lab File: BF079952.D

Acq: 12 Jun 2015 23:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 156321 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 8.7   | 13.1   |
| 54        | 5.7   | 7.3   | 10.9#  |
| 68        | 4.5   | 5.9   | 8.9#   |





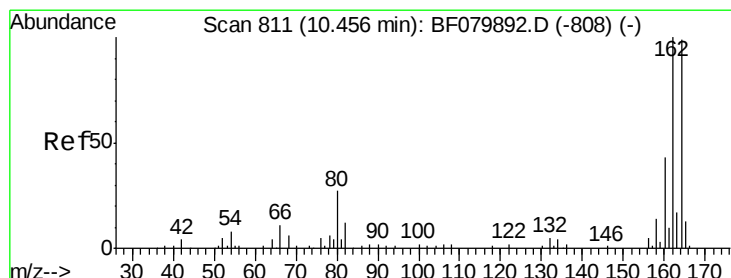
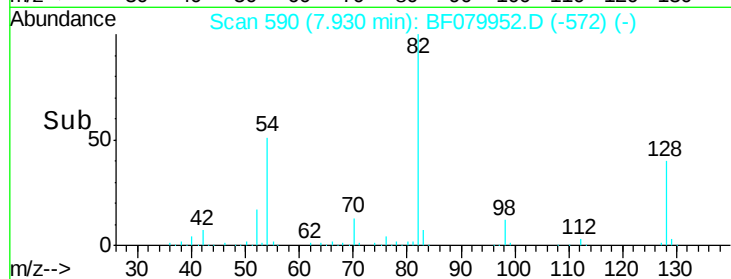
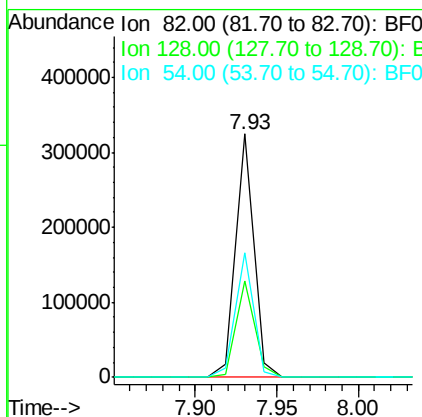
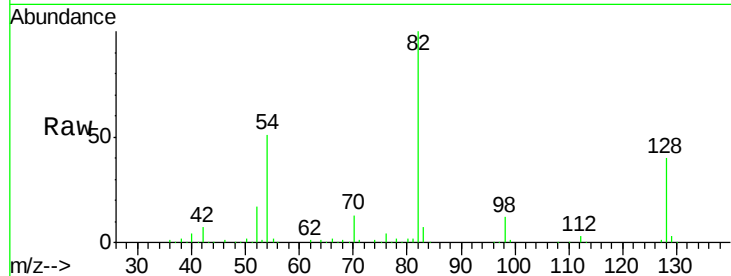
#23  
 Nitrobenzene-d5  
 Concen: 105.64 ng  
 RT: 7.93 min Scan# 590  
 Delta R.T. 0.00 min  
 Lab File: BF079952.D  
 Acq: 12 Jun 2015 23:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-141

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 128     | 39.8  | 40.3       | 60.5# |
| 54      | 51.3  | 38.0       | 57.0  |

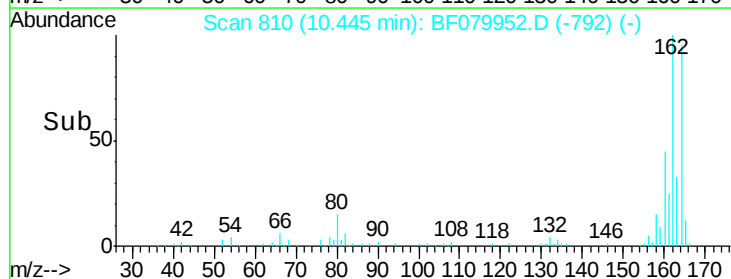
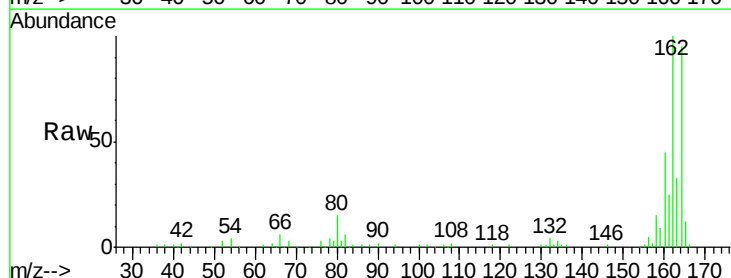
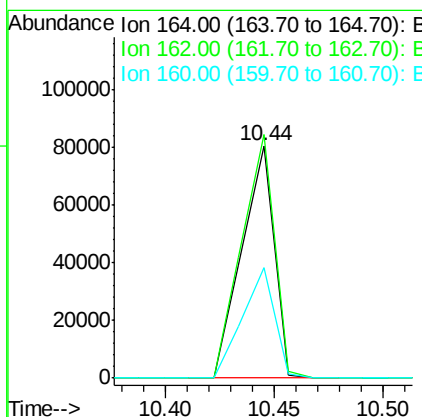
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.44 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF079952.D  
 Acq: 12 Jun 2015 23:32

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 164     | 100   |            |       |
| 162     | 104.8 | 80.7       | 121.1 |
| 160     | 47.5  | 34.6       | 51.8  |





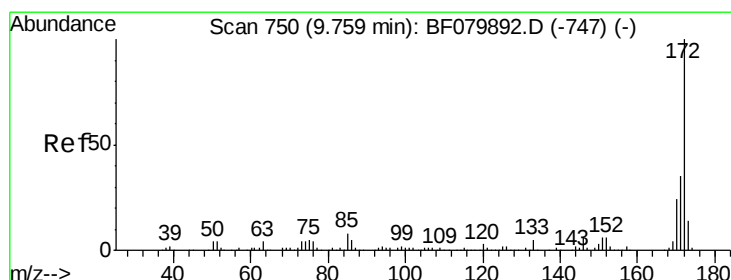
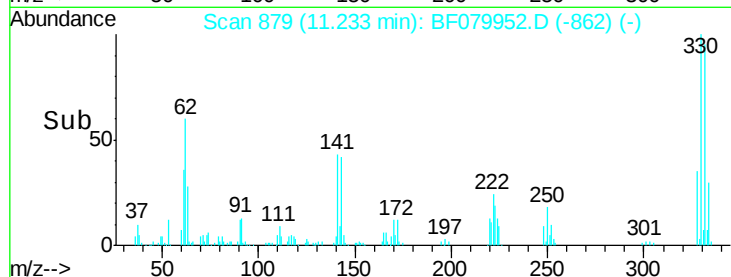
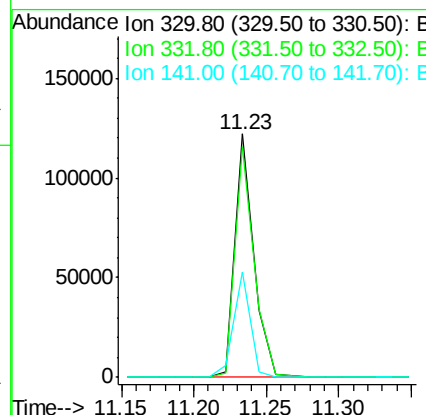
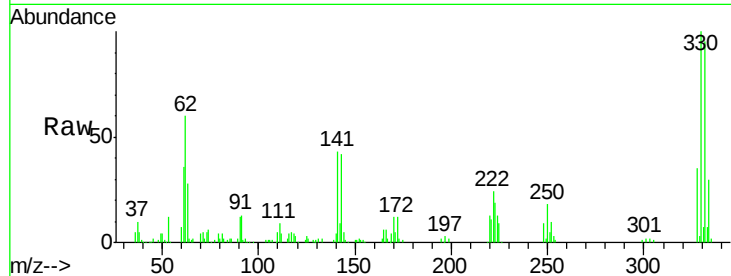
#41  
 2,4,6-Tribromophenol  
 Concen: 132.14 ng  
 RT: 11.23 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF079952.D  
 Acq: 12 Jun 2015 23:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-141

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 110314 |       |       |
| 332     | 96.6  | 77.3   | 115.9 |       |
| 141     | 38.4  | 26.8   | 40.2  |       |

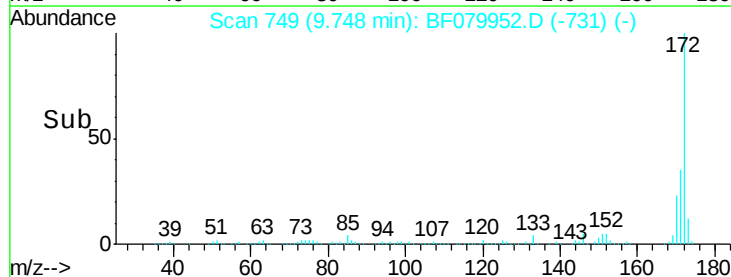
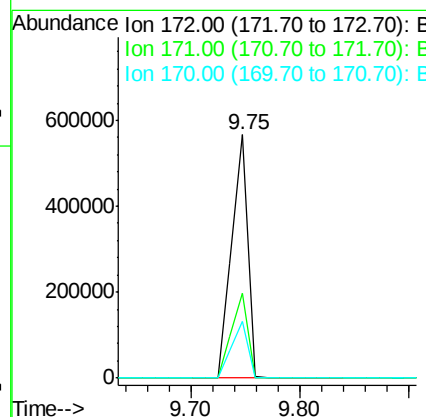
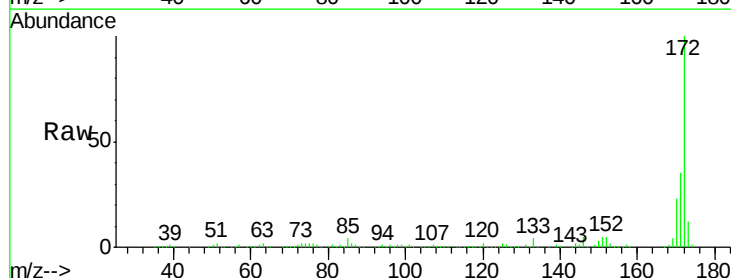
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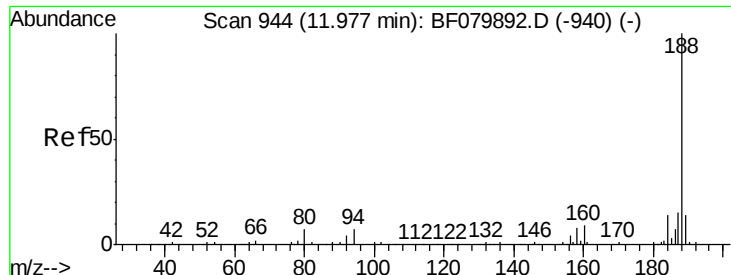
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#44  
 2-Fluorobiphenyl  
 Concen: 97.97 ng  
 RT: 9.75 min Scan# 749  
 Delta R.T. 0.00 min  
 Lab File: BF079952.D  
 Acq: 12 Jun 2015 23:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 579682 |       |       |
| 171     | 34.9  | 28.3   | 42.5  |       |
| 170     | 23.3  | 19.0   | 28.4  |       |





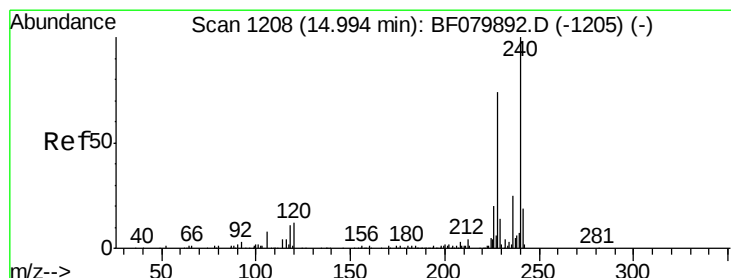
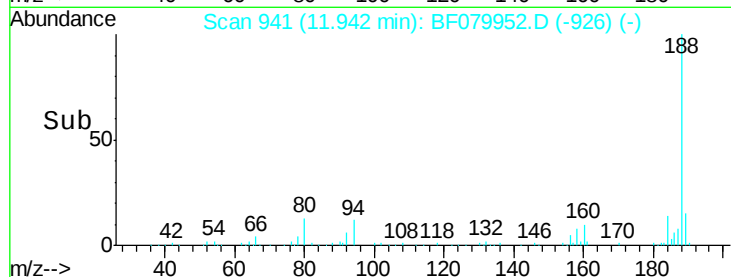
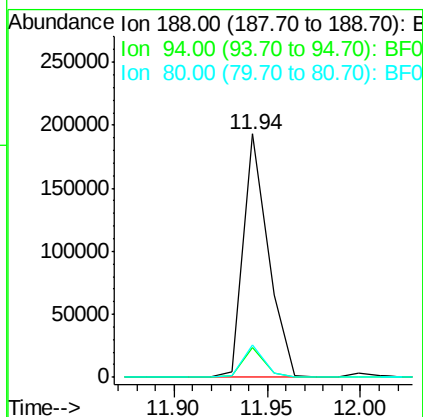
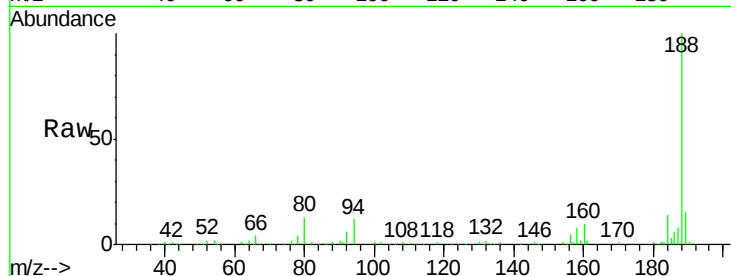
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.94 min Scan# 941  
Delta R.T. -0.03 min  
Lab File: BF079952.D  
Acq: 12 Jun 2015 23:32

Instrument :  
BNA\_F  
ClientSampled :  
MW-141

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 12.1  | 5.8        | 8.8#       |
| 80      | 13.2  | 5.9        | 8.9#       |

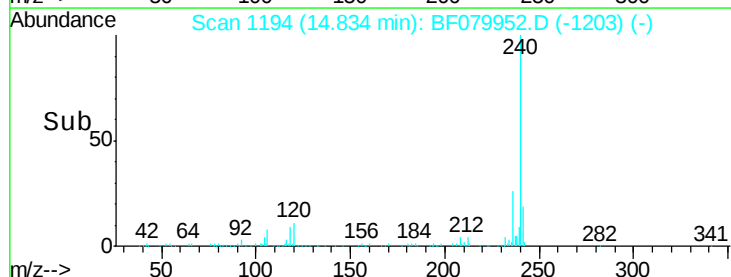
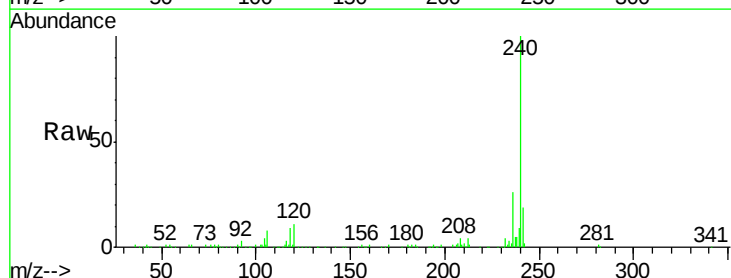
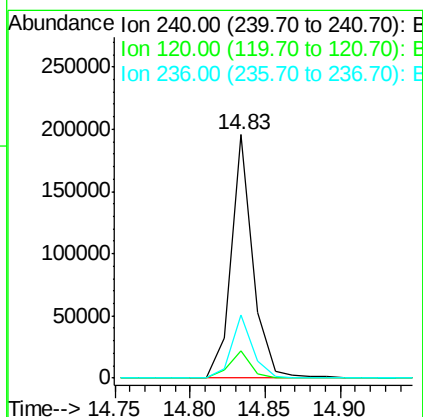
Manual Integrations  
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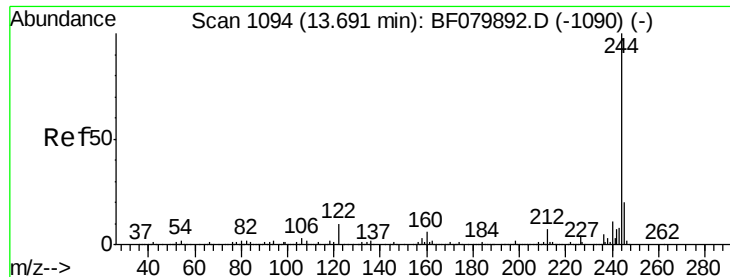
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#75  
Chrysene-d12  
Concen: 20.00 ng m  
RT: 14.83 min Scan# 1194  
Delta R.T. -0.31 min  
Lab File: BF079952.D  
Acq: 12 Jun 2015 23:32

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 11.0  | 9.4        | 14.2       |
| 236     | 25.9  | 19.6       | 29.4       |





#78

Terphenyl-d14

Concen: 80.95 ng m

RT: 13.60 min Scan# 1086

Delta R.T. -0.17 min

Lab File: BF079952.D

Acq: 12 Jun 2015 23:32

Instrument :

BNA\_F

ClientSampleId :

MW-141

Tgt Ion:244 Resp: 702697

Ion Ratio Lower Upper

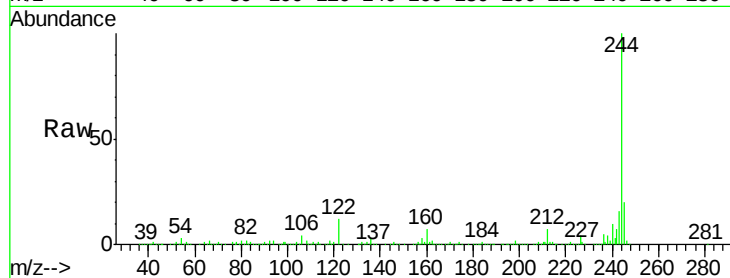
244 100

212 7.0 5.4 8.2

122 11.9 7.8 11.8#

Manual Integrations  
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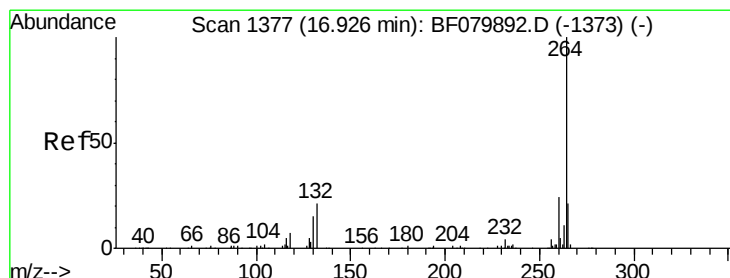
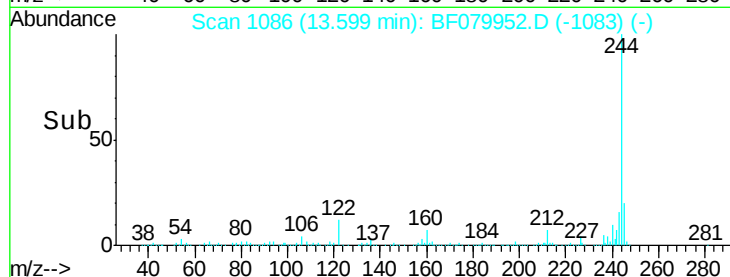
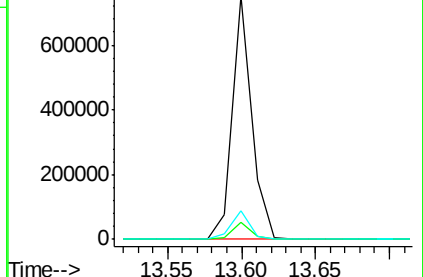
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng m

RT: 16.70 min Scan# 1357

Delta R.T. -0.40 min

Lab File: BF079952.D

Acq: 12 Jun 2015 23:32

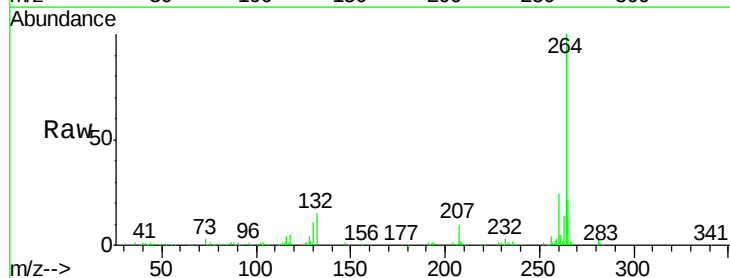
Tgt Ion:264 Resp: 192012

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.5 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

