

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
 Data File : BF090568.D  
 Acq On : 14 Oct 2016 14:17  
 Operator : UM/SJ  
 Sample : H5180-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Manual Integrations  
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 10/14/2016 6:45:29 PM

Quant Time: Oct 14 15:18:20 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 02:03:28 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 171962m  | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.20  | 136  | 769904m  | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.96  | 164  | 479301   | 20.00 | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.45 | 188  | 748436   | 20.00 | ng    | -0.01        |
| 75) Chrysene-d12            | 14.09 | 240  | 566964   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 15.55 | 264  | 366847   | 20.00 | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.51  | 112  | 167124   | 17.82 | ng    | -0.01        |
| 7) Phenol-d6                | 6.54  | 99   | 267593   | 19.20 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 133994   | 9.67  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 129798   | 30.38 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 303458   | 10.43 | ng    | 0.00         |
| 78) Terphenyl-d14           | 13.04 | 244  | 1084831  | 44.55 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.67  | 163  | 189196   | 6.08  | ng    | Qvalue<br>99 |

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

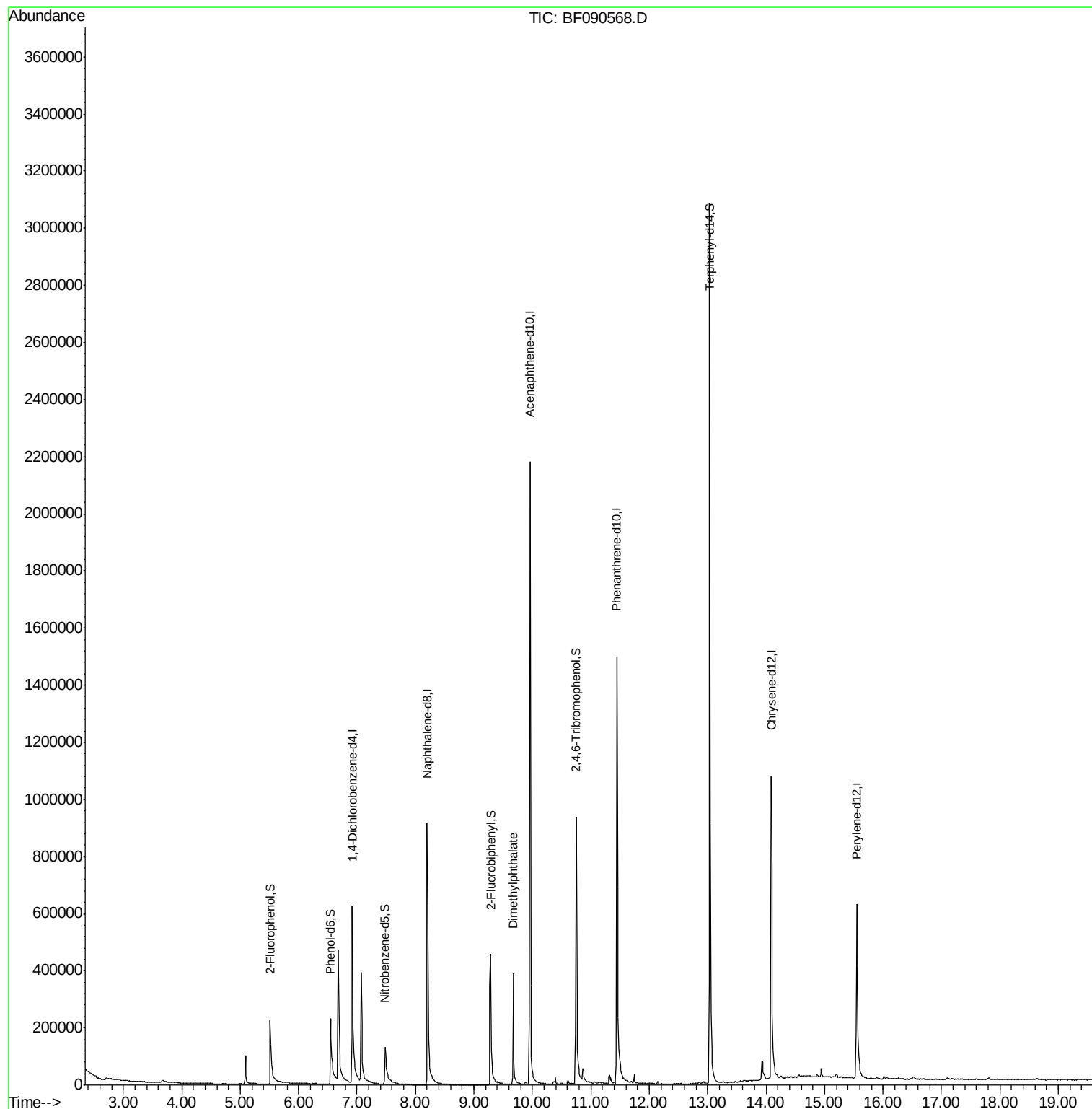
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
Data File : BF090568.D  
Acq On : 14 Oct 2016 14:17  
Operator : UM/SJ  
Sample : H5180-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

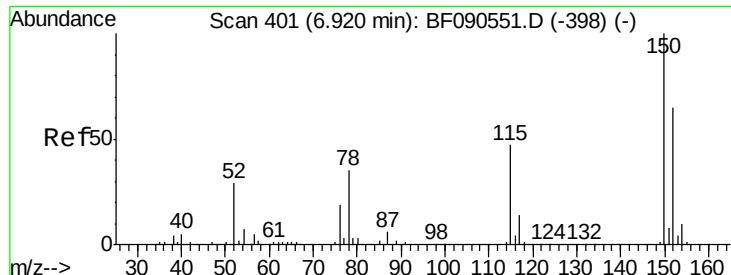
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

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Quant Time: Oct 14 15:18:20 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 02:03:28 2016  
Response via : Initial Calibration





#1

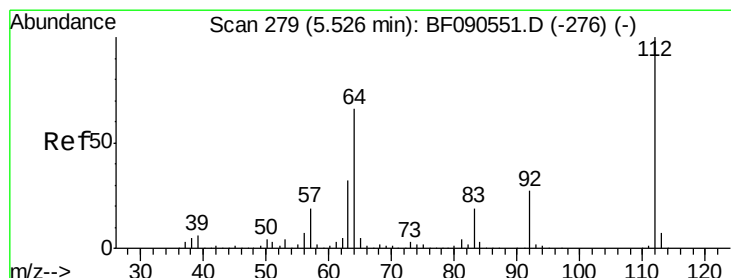
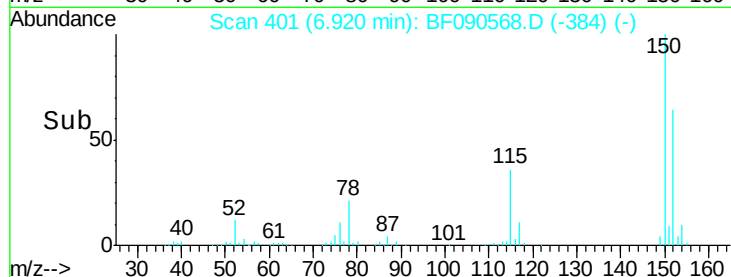
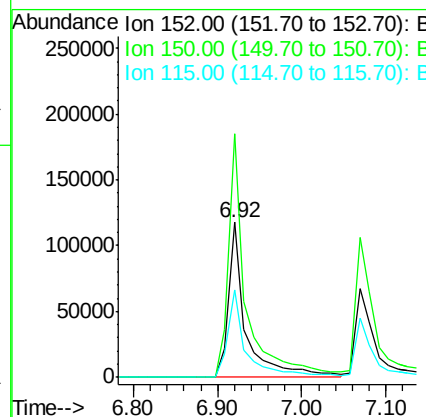
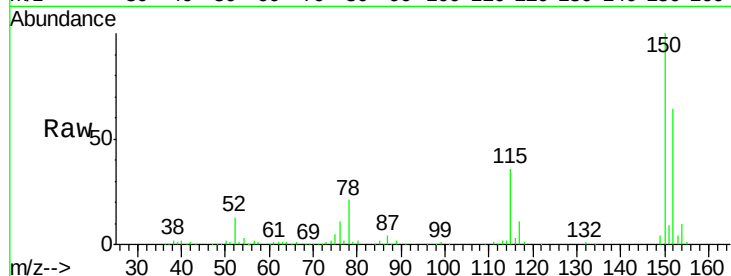
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng/ml  
RT: 6.92 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BF090568.D  
Acq: 14 Oct 2016 14:17

Instrument :  
BNA\_F  
ClientSampled :  
WC-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 127.2 | 190.8 |
| 115     | 56.8  | 58.6  | 88.0  |

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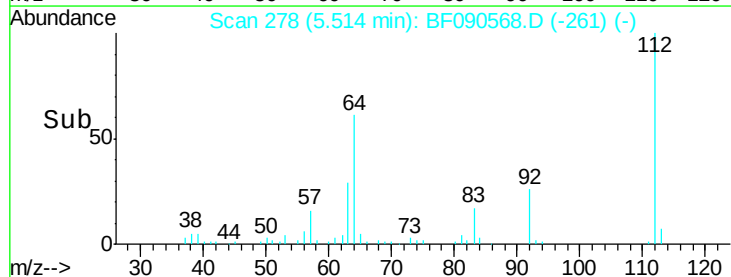
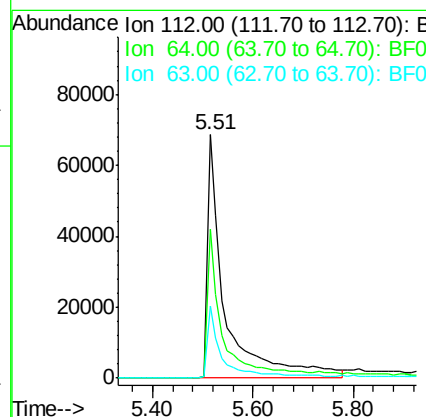
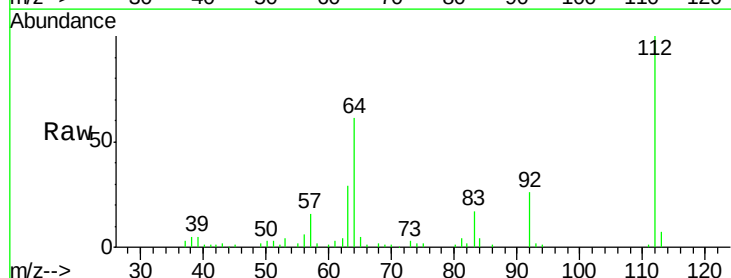
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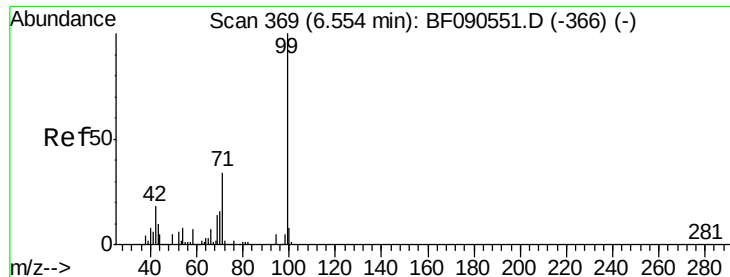


#5

2-Fluorophenol  
Concen: 17.82 ng  
RT: 5.51 min Scan# 278  
Delta R.T. -0.01 min  
Lab File: BF090568.D  
Acq: 14 Oct 2016 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.2  | 52.6  | 78.8  |
| 63      | 29.4  | 26.0  | 39.0  |





#7

Phenol-d6

Concen: 19.20 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090568.D

Acq: 14 Oct 2016 14:17

Instrument :

BNA\_F

ClientSampleId :

WC-1

Tot Ion: 99 Resp: 267593

Ion Ratio Lower Upper

99 100

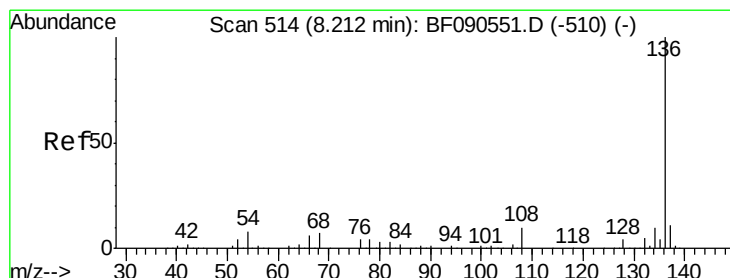
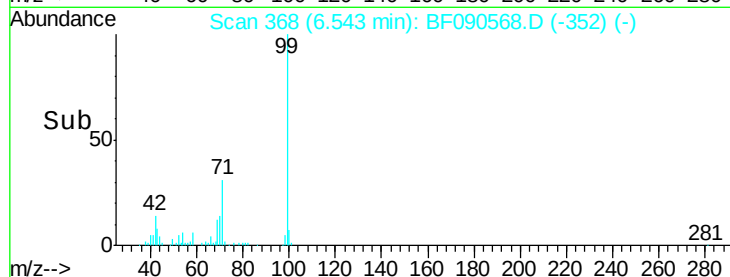
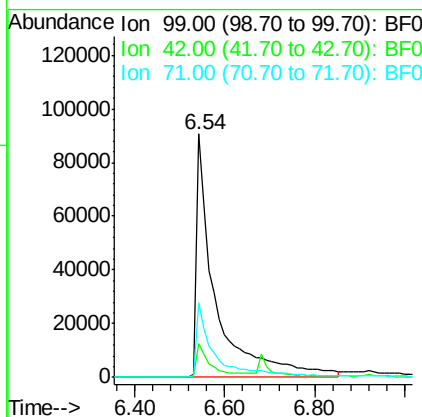
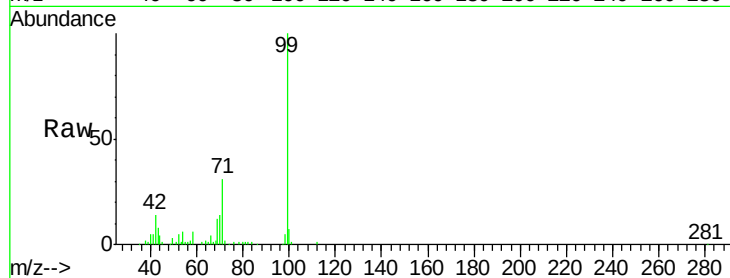
42 14.0 14.7 22.1#

71 30.7 27.6 41.4

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#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 8.20 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF090568.D

Acq: 14 Oct 2016 14:17

Tgt Ion: 136 Resp: 769904

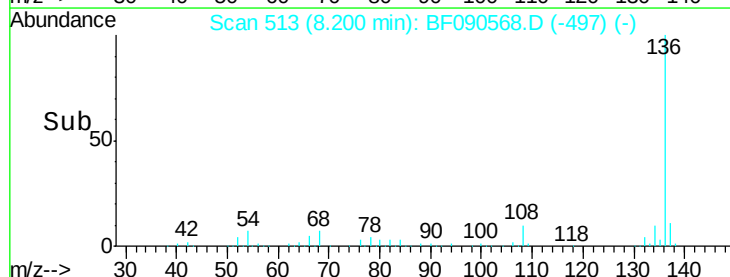
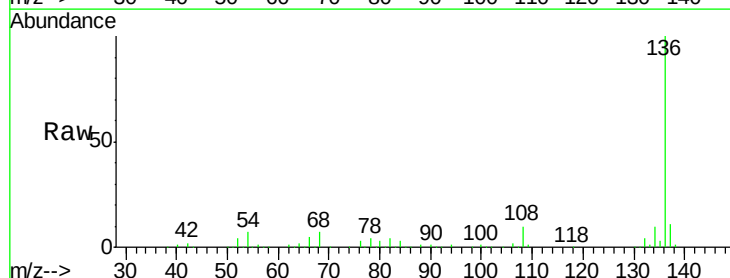
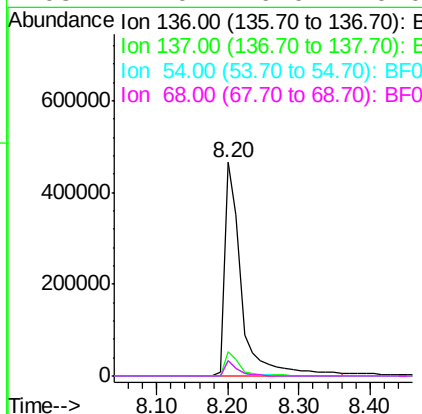
Ion Ratio Lower Upper

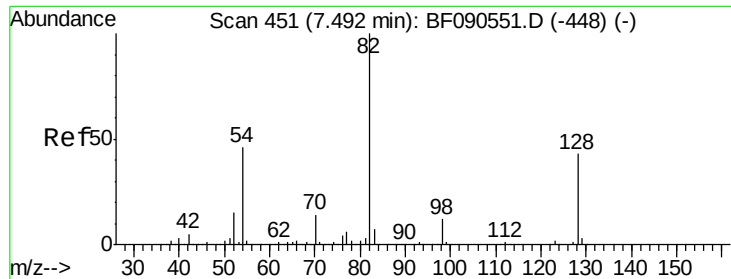
136 100

137 11.3 8.8 13.2

54 7.4 6.8 10.2

68 7.0 6.0 9.0





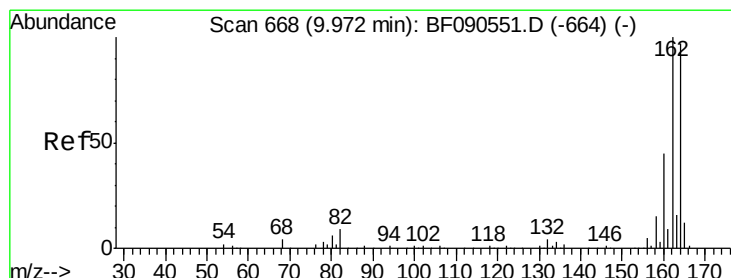
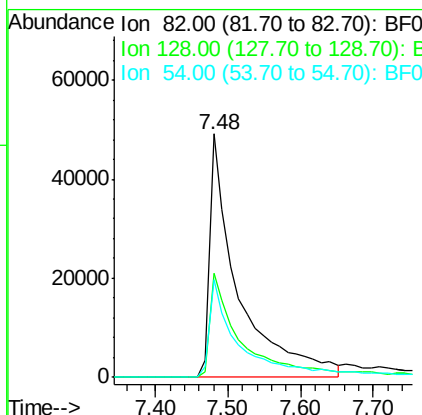
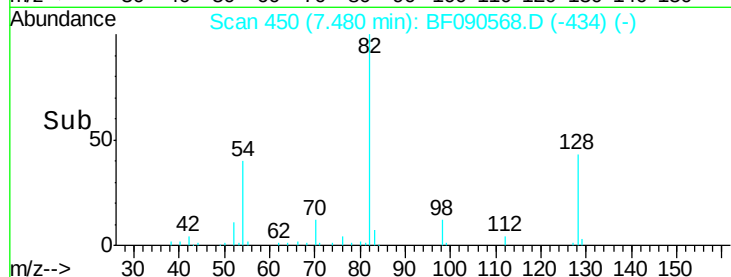
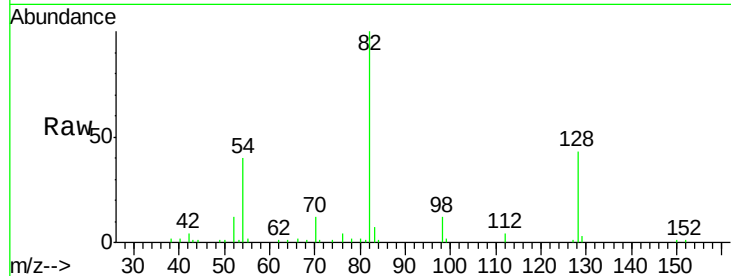
#23  
 Nitrobenzene-d5  
 Concen: 9.67 ng  
 RT: 7.48 min Scan# 450  
 Delta R.T. -0.01 min  
 Lab File: BF090568.D  
 Acq: 14 Oct 2016 14:17

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 133994 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.5  | 34.3  | 51.5   |
| 54        | 40.4  | 37.0  | 55.6   |

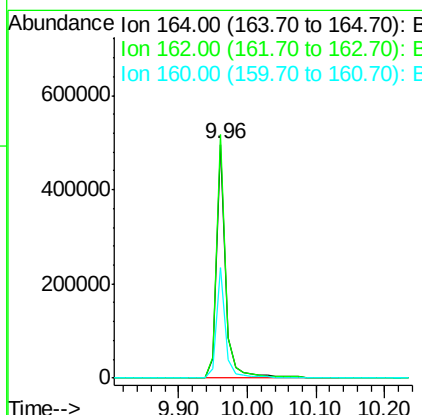
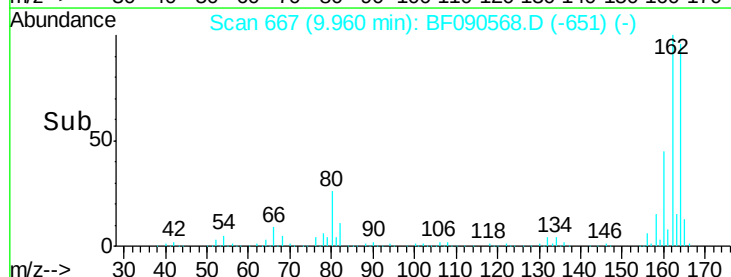
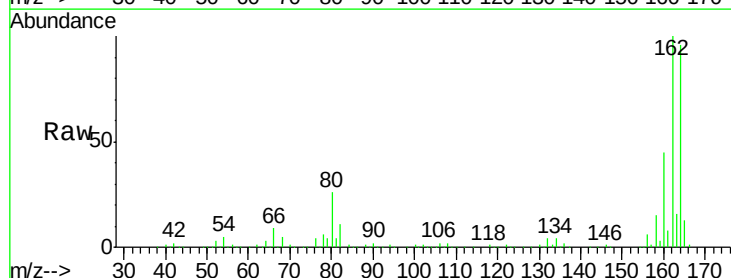
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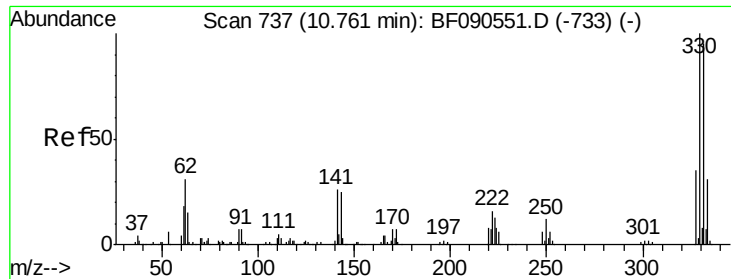
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 667  
 Delta R.T. -0.01 min  
 Lab File: BF090568.D  
 Acq: 14 Oct 2016 14:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 479301 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.2 | 82.2  | 123.4  |
| 160       | 47.4  | 36.6  | 55.0   |





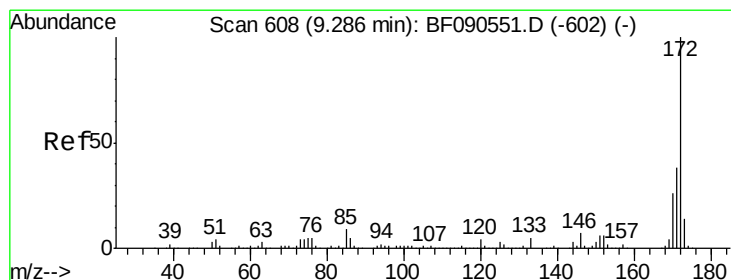
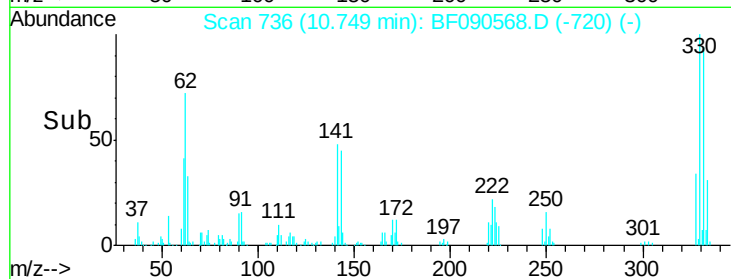
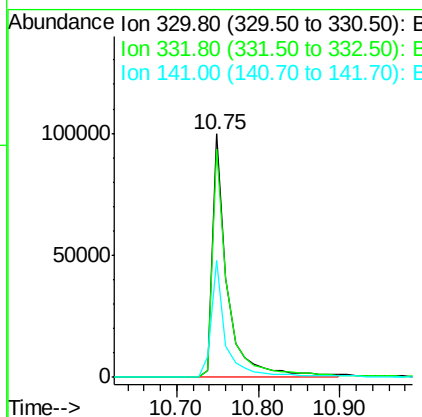
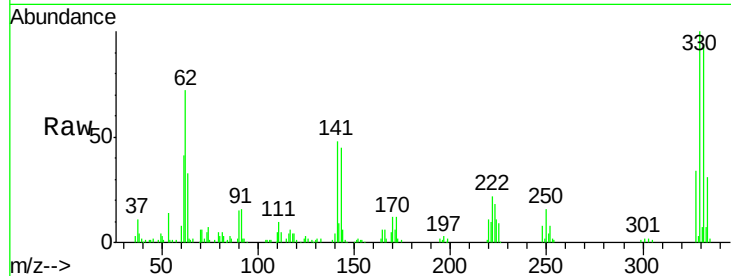
#41  
 2,4,6-Tribromophenol  
 Concen: 30.38 ng  
 RT: 10.75 min Scan# 736  
 Delta R.T. -0.01 min  
 Lab File: BF090568.D  
 Acq: 14 Oct 2016 14:17

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 129798 |       |       |
| 332     | 95.9  | 76.2   | 114.2 |       |
| 141     | 47.8  | 31.4   | 47.2# |       |

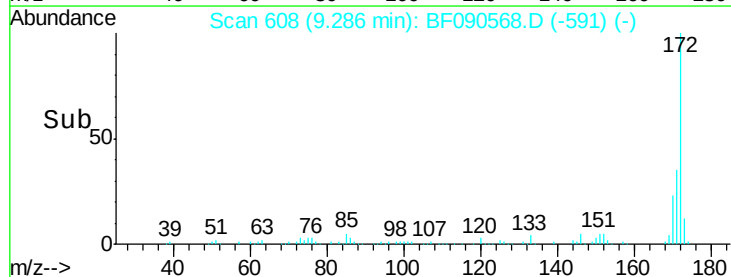
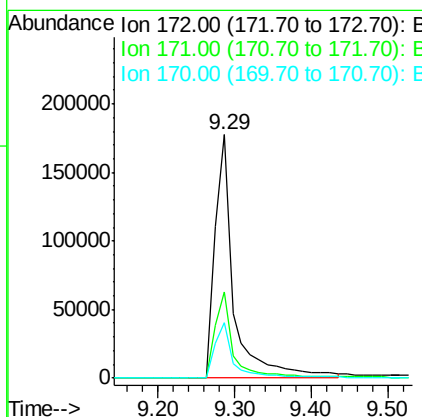
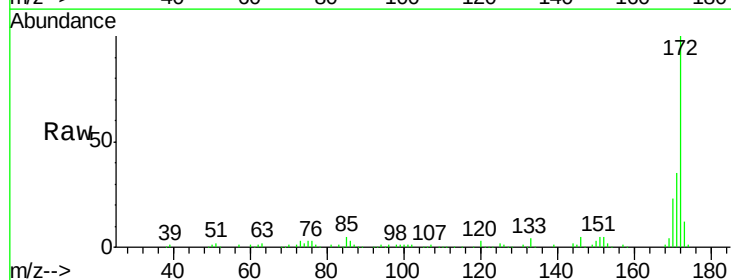
Manual Integrations  
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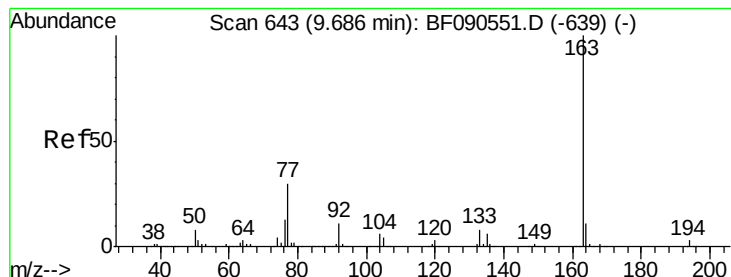
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#44  
 2-Fluorobiphenyl  
 Concen: 10.43 ng  
 RT: 9.29 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: BF090568.D  
 Acq: 14 Oct 2016 14:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 303458 |       |       |
| 171     | 35.5  | 30.1   | 45.1  |       |
| 170     | 23.0  | 20.6   | 30.8  |       |





#49

Dimethylphthalate

Concen: 6.08 ng

RT: 9.67 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF090568.D

Acq: 14 Oct 2016 14:17

Instrument :

BNA\_F

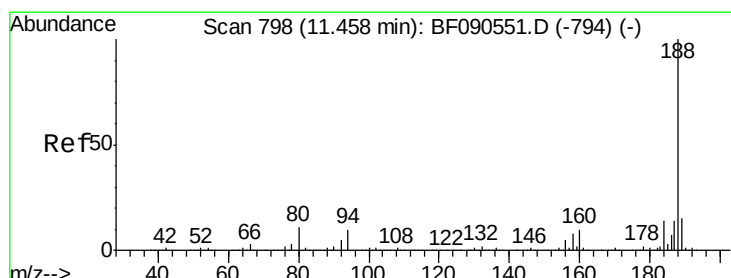
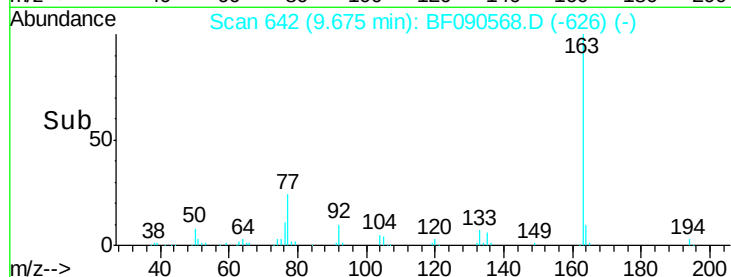
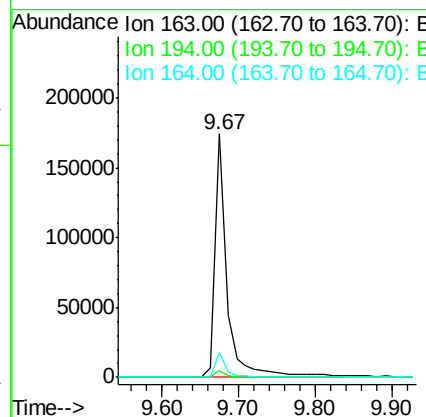
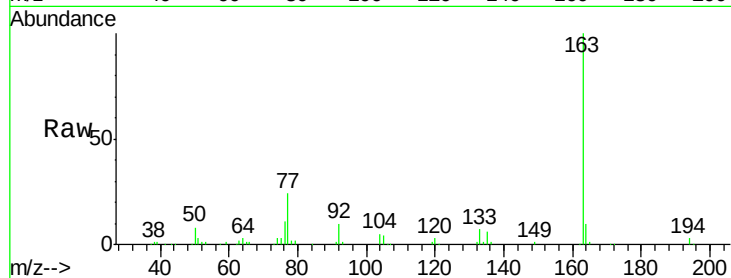
ClientSampleId :

WC-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 189196 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 2.9   | 2.3   | 3.5    |
| 164       | 10.2  | 8.6   | 13.0   |

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#63

Phenanthrene-d10

Concen: 20.00 ng

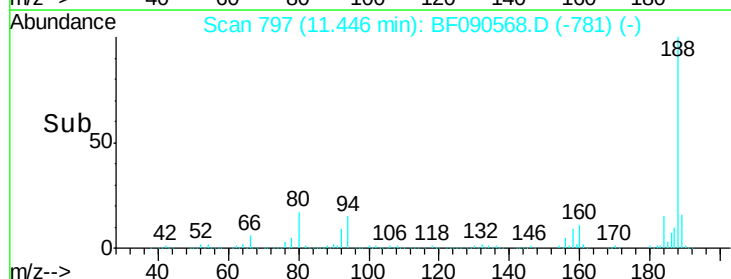
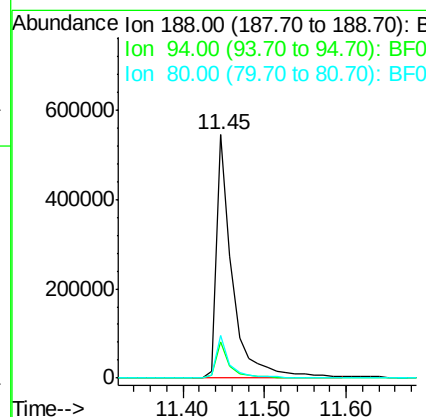
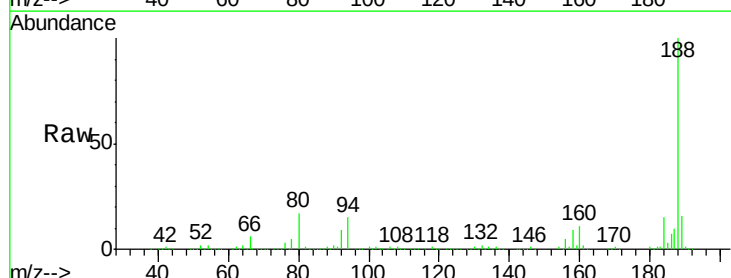
RT: 11.45 min Scan# 797

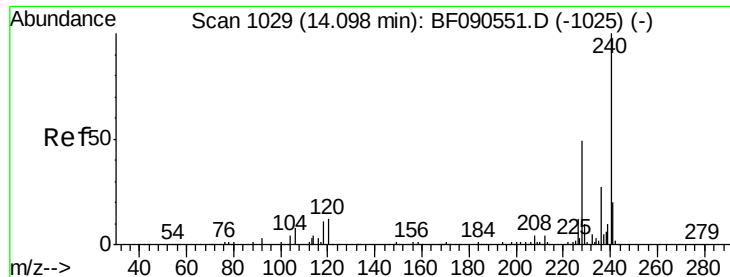
Delta R.T. -0.01 min

Lab File: BF090568.D

Acq: 14 Oct 2016 14:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 748436 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 14.8  | 7.7   | 11.5#  |
| 80        | 17.3  | 8.6   | 12.8#  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090568.D

Acq: 14 Oct 2016 14:17

Instrument :

BNA\_F

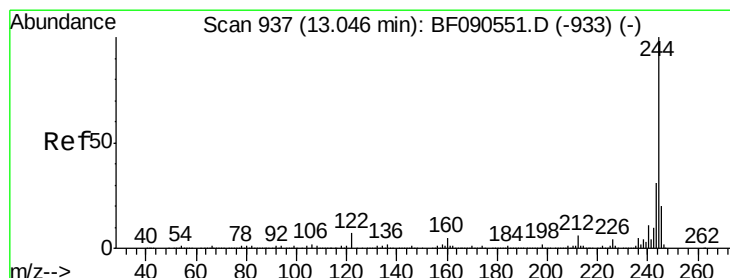
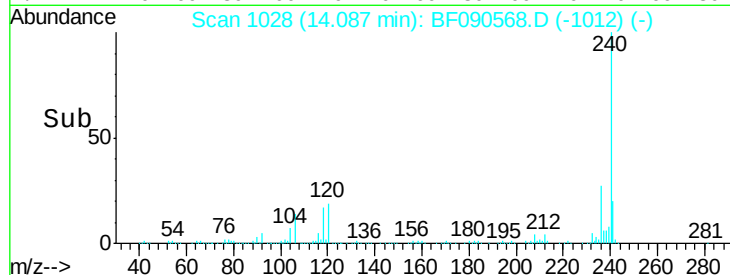
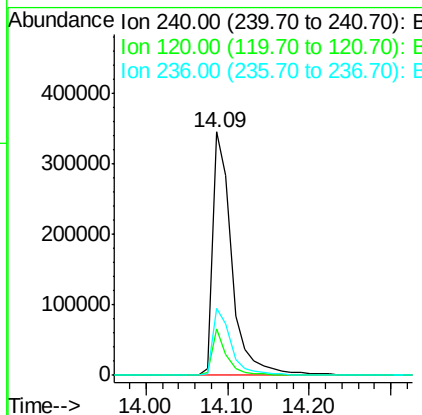
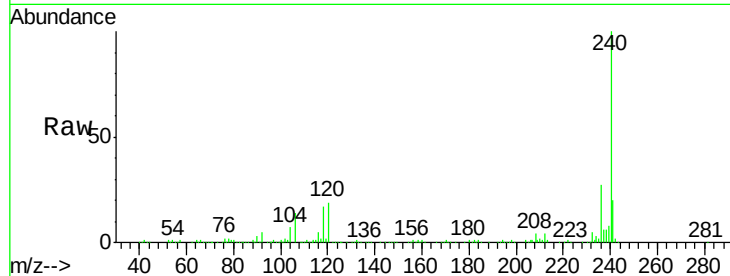
ClientSampleId :

WC-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 19.0  | 9.8   | 14.8# |
| 236     | 27.4  | 21.7  | 32.5  |

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#78

Terphenyl-d14

Concen: 44.55 ng

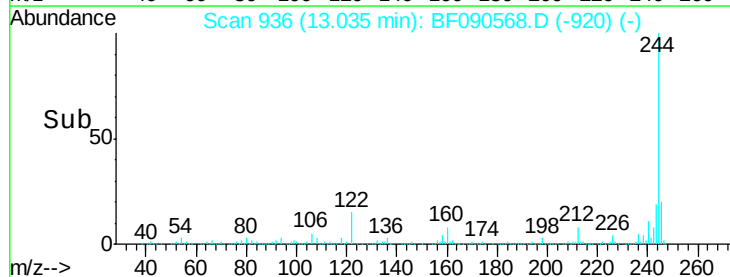
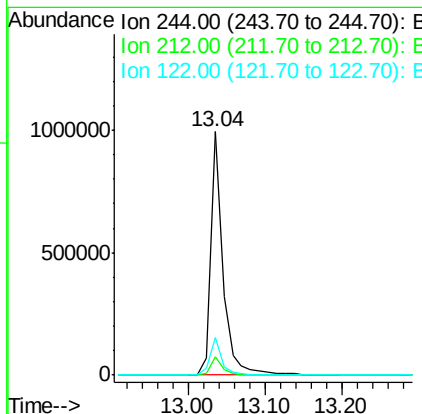
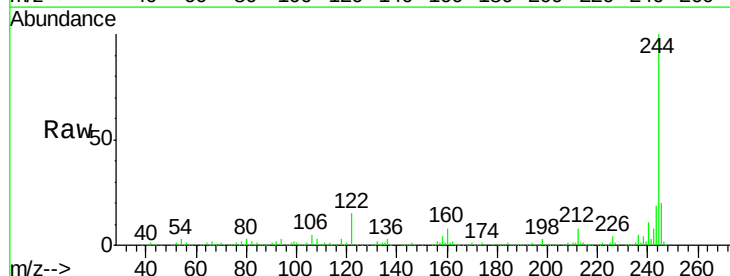
RT: 13.04 min Scan# 936

Delta R.T. -0.01 min

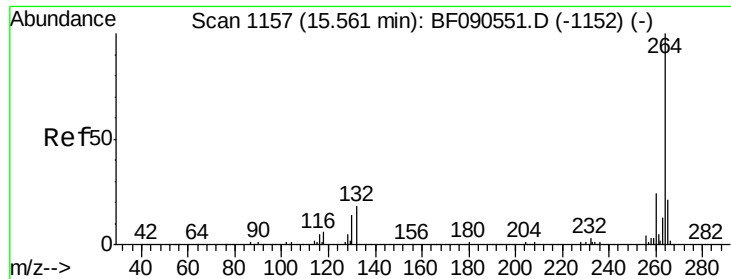
Lab File: BF090568.D

Acq: 14 Oct 2016 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 5.0   | 7.4#  |
| 122     | 15.5  | 5.6   | 8.4#  |







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.55 min Scan# 1156  
Delta R.T. -0.01 min  
Lab File: BF090568.D  
Acq: 14 Oct 2016 14:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 366847  | 264 | 100   |      |       |       |
|         | 260 | 25.0  |      | 19.3  | 28.9  |
|         | 265 | 22.2  |      | 16.7  | 25.1  |

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