

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\  
 Data File : BF090196.D  
 Acq On : 23 Sep 2016 14:04  
 Operator : UM/SJ  
 Sample : H4860-01RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5RE

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Quant Time: Sep 23 17:44:54 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 23 17:21:41 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.49  | 152  | 135475m  | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.77  | 136  | 539665m  | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.52  | 164  | 302395   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 10.98 | 188  | 439218   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 13.60 | 240  | 362414   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 14.91 | 264  | 284545   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.05  | 112  | 62921    | 7.57  | ng    | 0.00         |
| 7) Phenol-d6                | 6.14  | 99   | 77858    | 7.59  | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.06  | 82   | 609075   | 65.42 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.30 | 330  | 54453    | 20.99 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 8.86  | 172  | 998868   | 64.85 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.57 | 244  | 852367   | 59.71 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.26  | 163  | 558553   | 29.00 | ng    | Qvalue<br>99 |

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

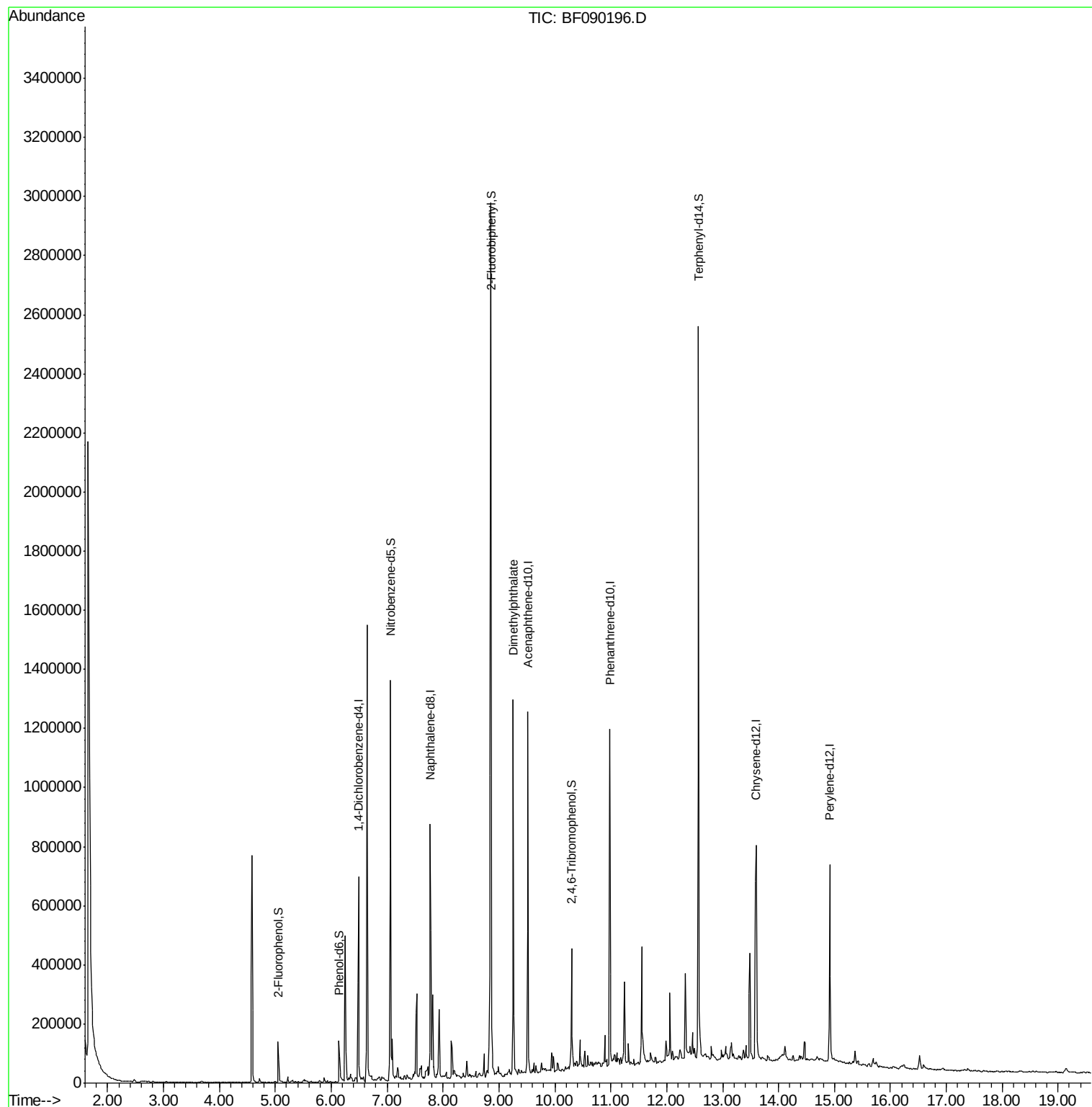
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\  
Data File : BF090196.D  
Acq On : 23 Sep 2016 14:04  
Operator : UM/SJ  
Sample : H4860-01RE  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

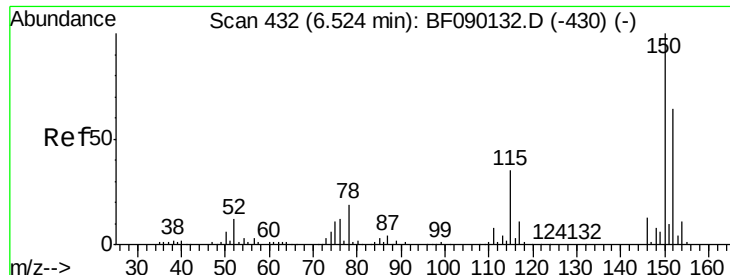
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5RE

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Quant Time: Sep 23 17:44:54 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 23 17:21:41 2016  
Response via : Initial Calibration





#1

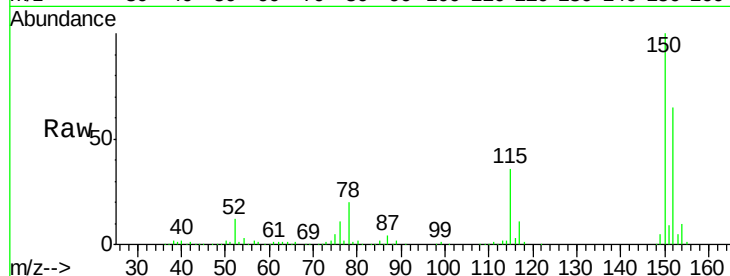
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng/ml  
RT: 6.49 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: BF090196.D  
Acq: 23 Sep 2016 14:04

Instrument :  
BNA\_F  
ClientSampled :  
MW-5RE

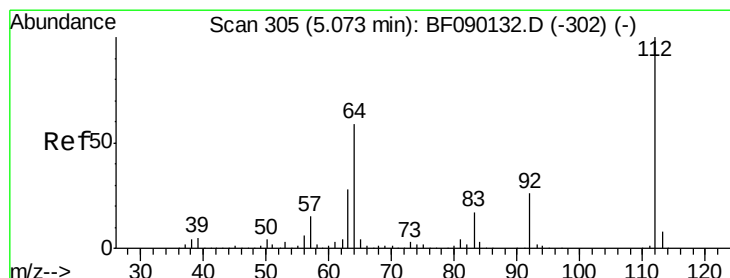
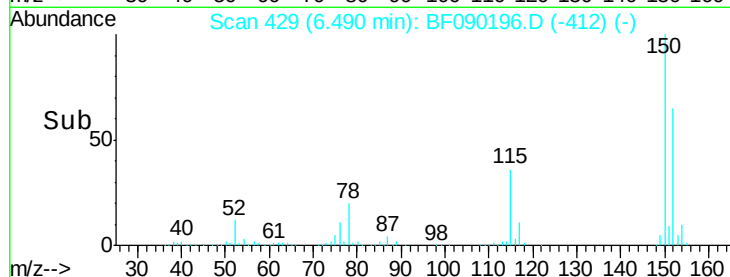
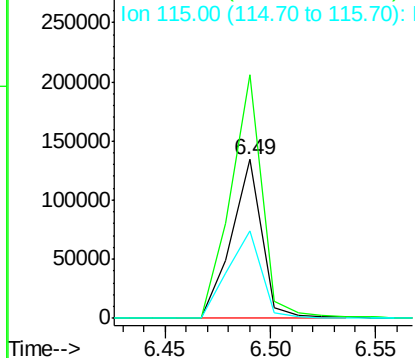
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 128.9 | 193.3 |
| 115     | 55.0  | 55.5  | 83.3  |

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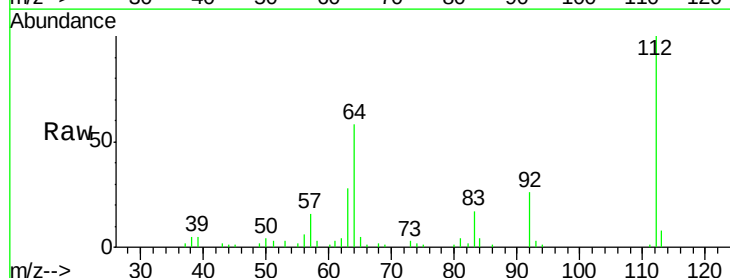
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



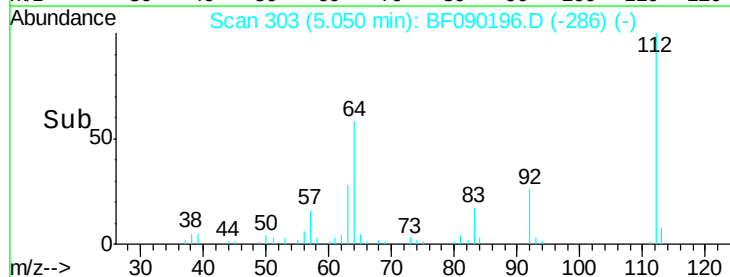
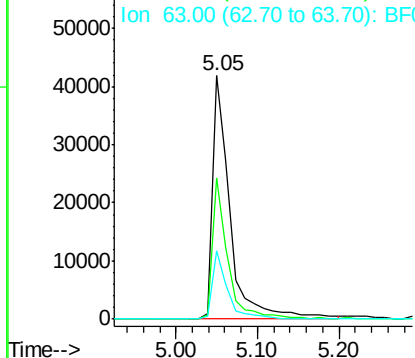
#5

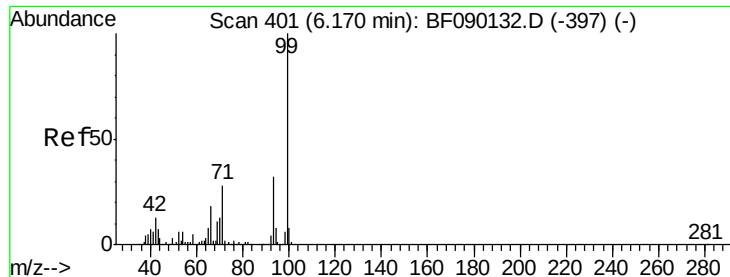
2-Fluorophenol  
Concen: 7.57 ng  
RT: 5.05 min Scan# 303  
Delta R.T. -0.00 min  
Lab File: BF090196.D  
Acq: 23 Sep 2016 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.2  | 39.8  | 59.6  |
| 63      | 27.9  | 18.9  | 28.3  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.59 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF090196.D

Acq: 23 Sep 2016 14:04

Instrument :

BNA\_F

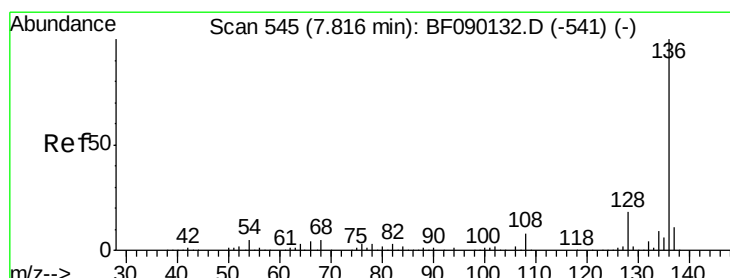
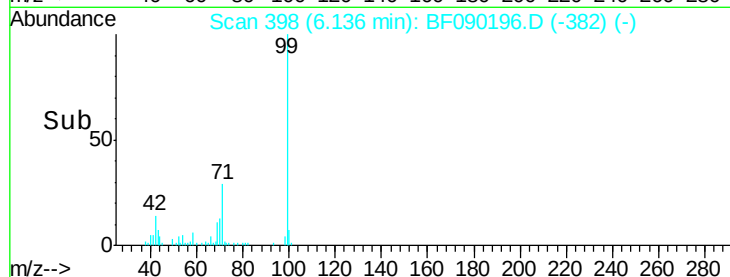
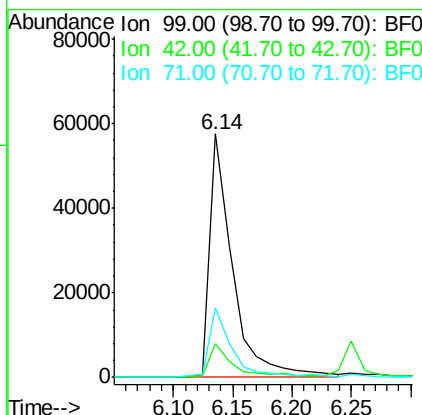
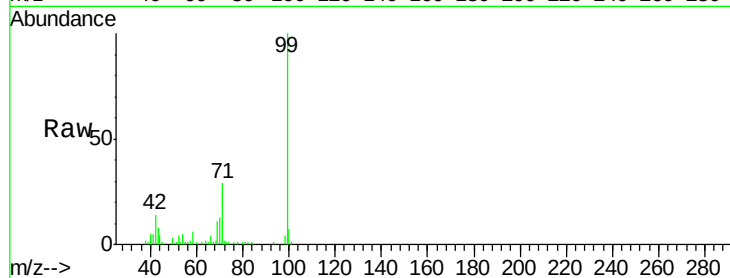
ClientSampled :

MW-5RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 77858 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 14.0  | 10.6  | 15.8  |
| 71       | 28.5  | 23.0  | 34.6  |

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#21

Naphthalene-d8

Concen: 20.00 ng m

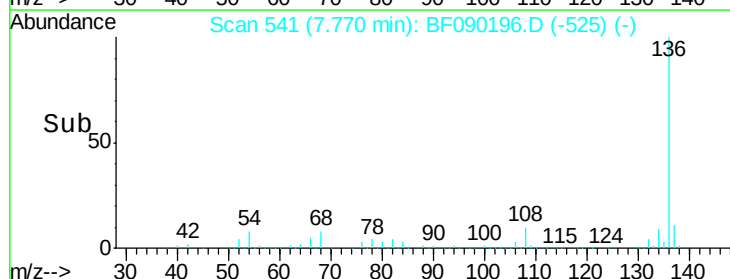
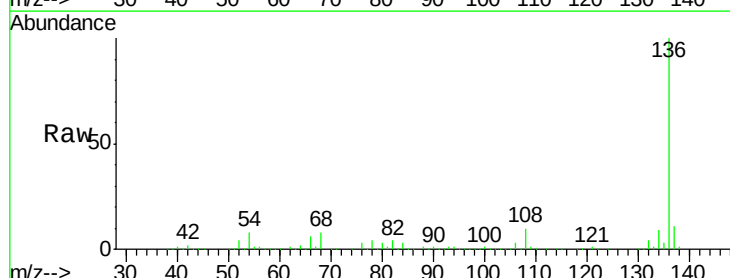
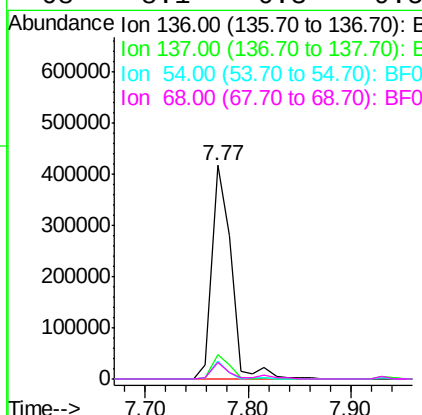
RT: 7.77 min Scan# 541

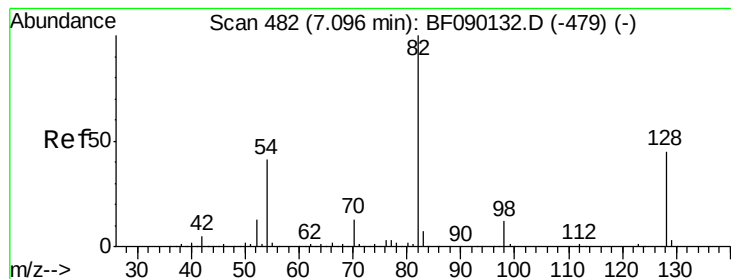
Delta R.T. -0.01 min

Lab File: BF090196.D

Acq: 23 Sep 2016 14:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 539665 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 9.0   | 13.4   |
| 54       | 8.4   | 6.4   | 9.6    |
| 68       | 8.1   | 6.3   | 9.5    |





#23

Nitrobenzene-d5

Concen: 65.42 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF090196.D

Acq: 23 Sep 2016 14:04

Instrument :

BNA\_F

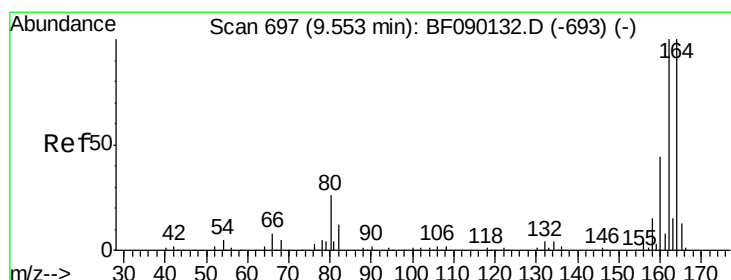
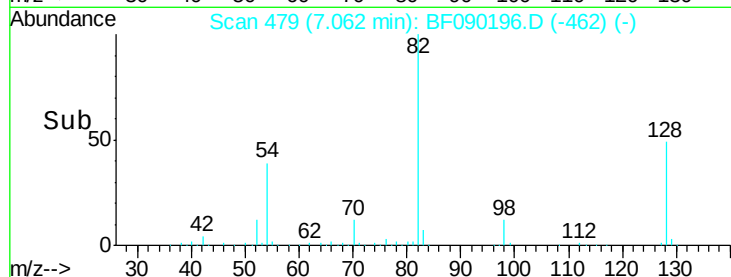
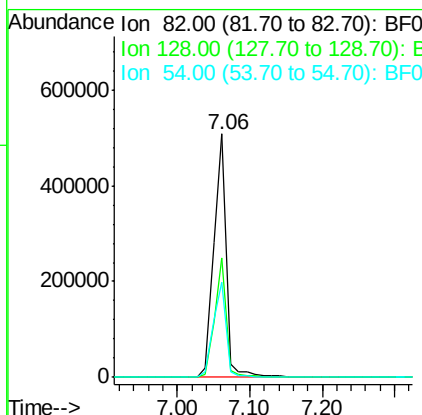
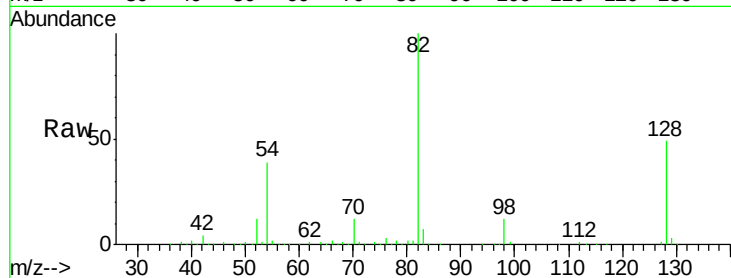
ClientSampled :

MW-5RE

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 609075 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 128       | 49.0 | 37.5  | 56.3   |
| 54        | 38.9 | 31.9  | 47.9   |

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#38

Acenaphthene-d10

Concen: 20.00 ng

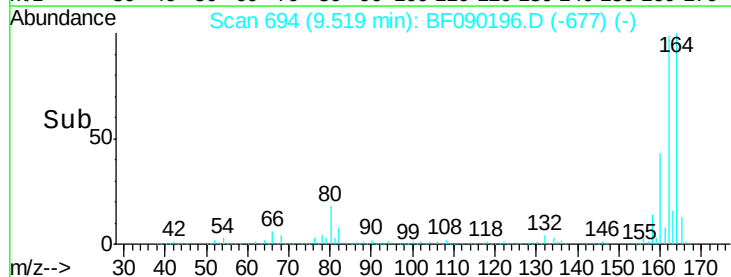
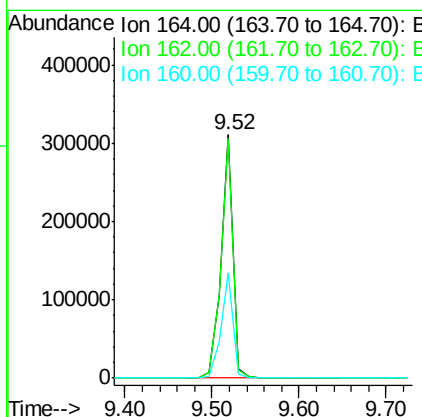
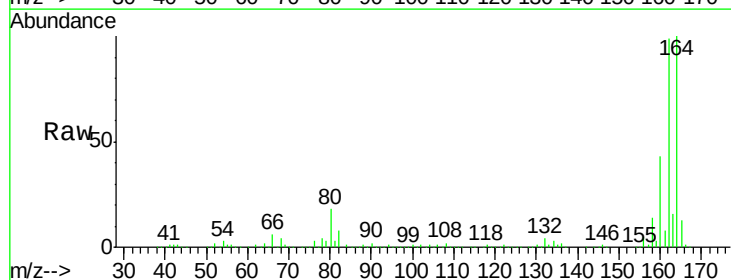
RT: 9.52 min Scan# 694

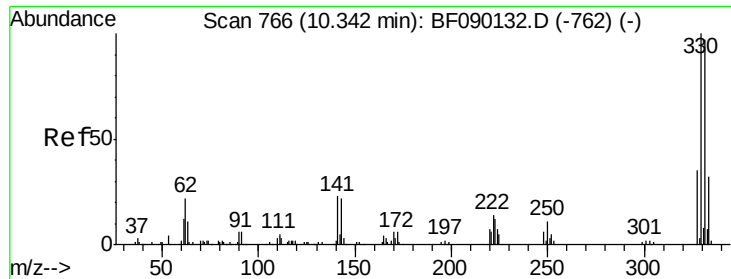
Delta R.T. -0.00 min

Lab File: BF090196.D

Acq: 23 Sep 2016 14:04

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 164  | Resp: | 302395 |
| Ion Ratio |      | Lower | Upper  |
| 164       | 100  |       |        |
| 162       | 98.7 | 81.4  | 122.2  |
| 160       | 43.4 | 36.6  | 54.8   |





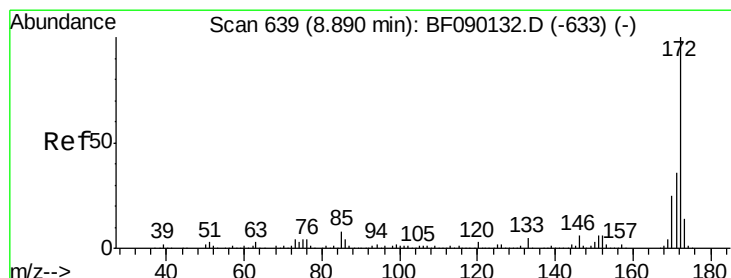
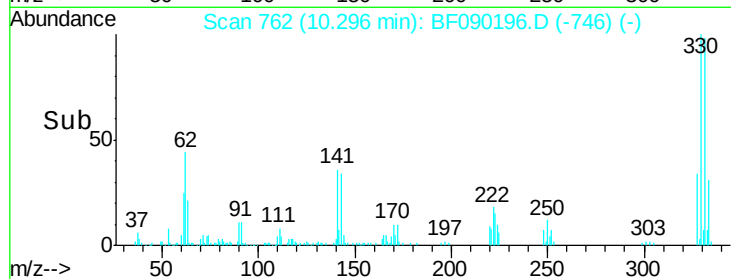
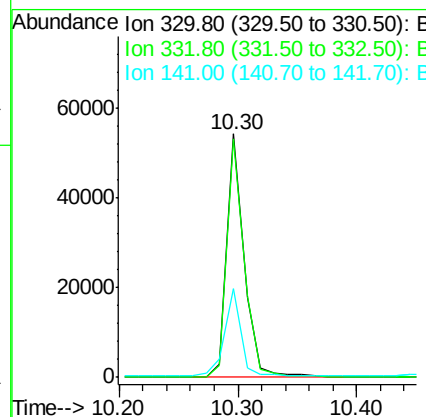
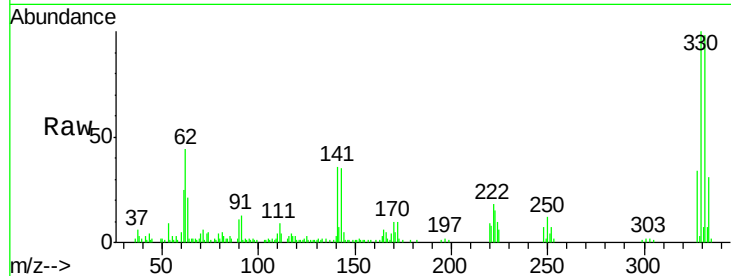
#41  
 2,4,6-Tribromophenol  
 Concen: 20.99 ng  
 RT: 10.30 min Scan# 762  
 Delta R.T. -0.01 min  
 Lab File: BF090196.D  
 Acq: 23 Sep 2016 14:04

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-5RE

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 54453 |       |       |
| 332     | 97.8  |       | 78.1  | 117.1 |
| 141     | 35.5  |       | 23.9  | 35.9  |

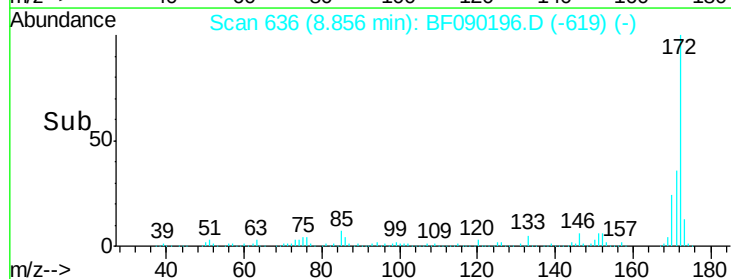
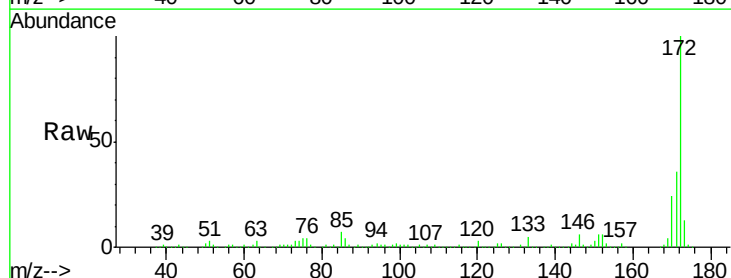
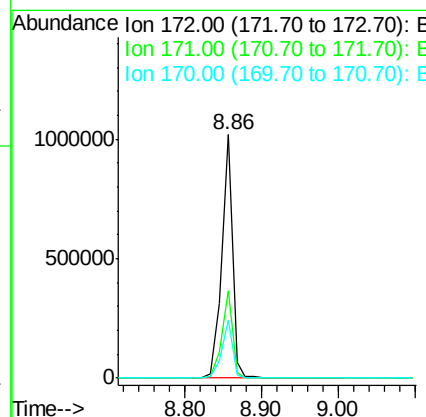
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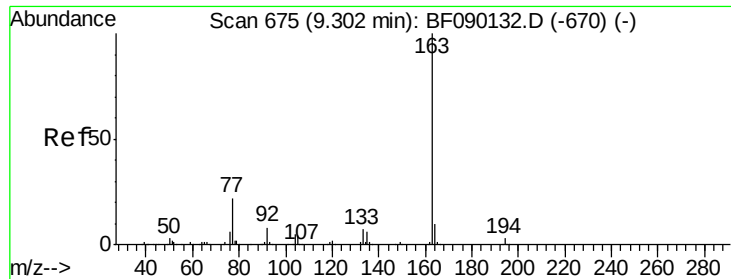
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#44  
 2-Fluorobiphenyl  
 Concen: 64.85 ng  
 RT: 8.86 min Scan# 636  
 Delta R.T. -0.00 min  
 Lab File: BF090196.D  
 Acq: 23 Sep 2016 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 998868 |       |       |
| 171     | 36.2  |        | 29.2  | 43.8  |
| 170     | 23.9  |        | 19.8  | 29.8  |





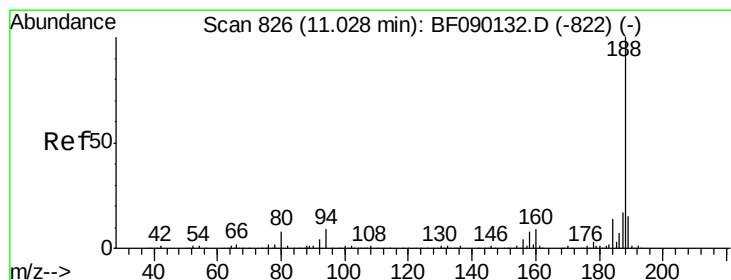
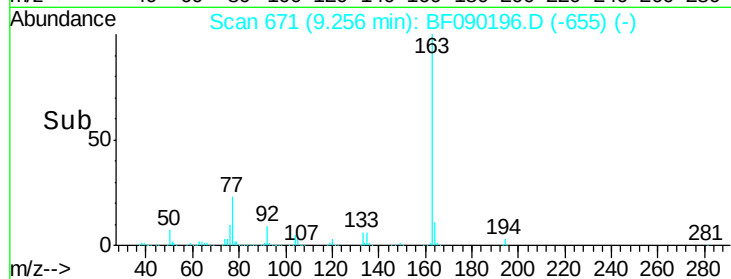
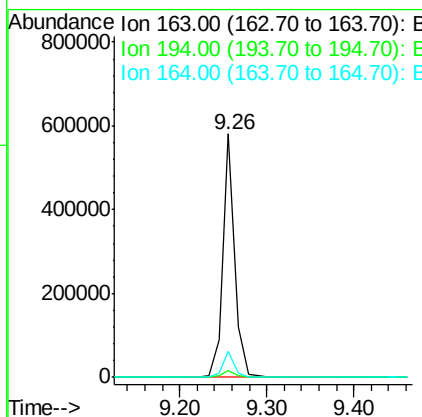
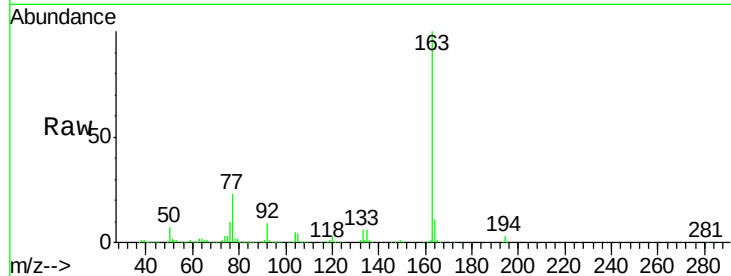
#49  
Dimethylphthalate  
Concen: 29.00 ng  
RT: 9.26 min Scan# 671  
Delta R.T. -0.01 min  
Lab File: BF090196.D  
Acq: 23 Sep 2016 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5RE

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 558553 |       |       |
| 194     | 3.0   |        | 2.8   | 4.2   |
| 164     | 10.5  |        | 8.1   | 12.1  |

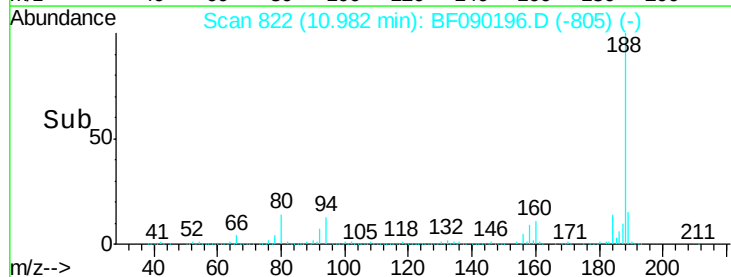
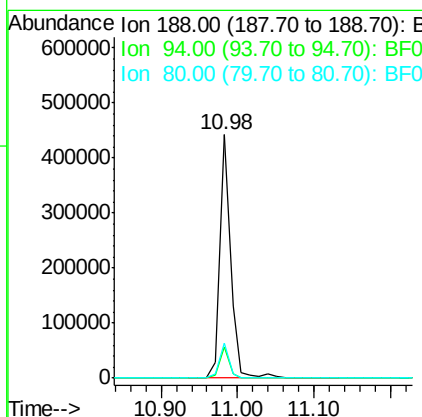
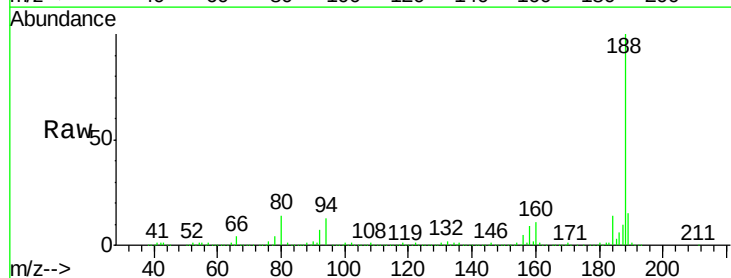
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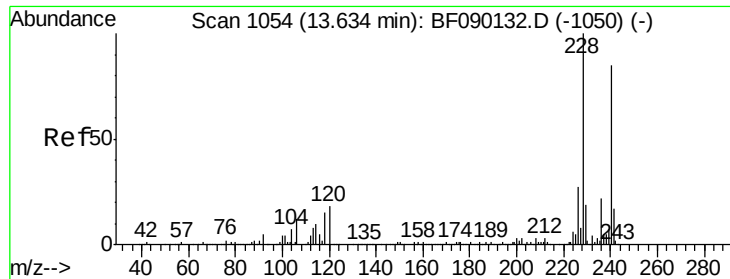
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#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.98 min Scan# 822  
Delta R.T. -0.00 min  
Lab File: BF090196.D  
Acq: 23 Sep 2016 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 439218 |       |       |
| 94      | 13.0  |        | 10.5  | 15.7  |
| 80      | 14.2  |        | 11.2  | 16.8  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF090196.D

Acq: 23 Sep 2016 14:04

Instrument :

BNA\_F

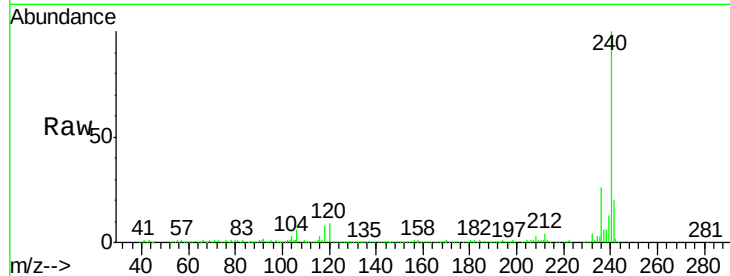
ClientSampleId :

MW-5RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.5   | 10.6  | 16.0# |
| 236     | 26.1  | 21.6  | 32.4  |

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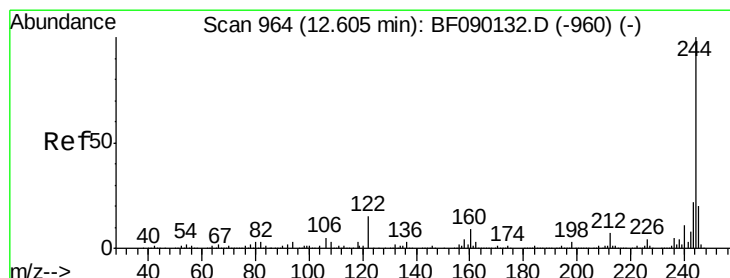
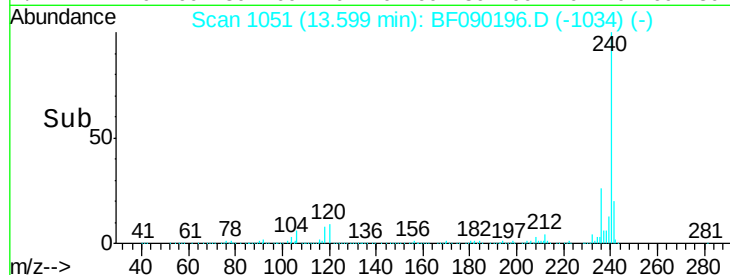
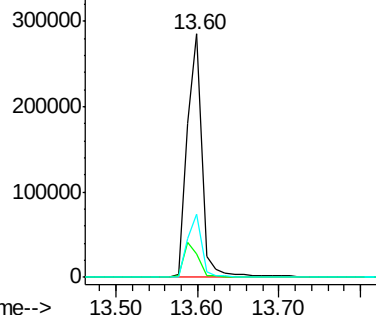
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 59.71 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF090196.D

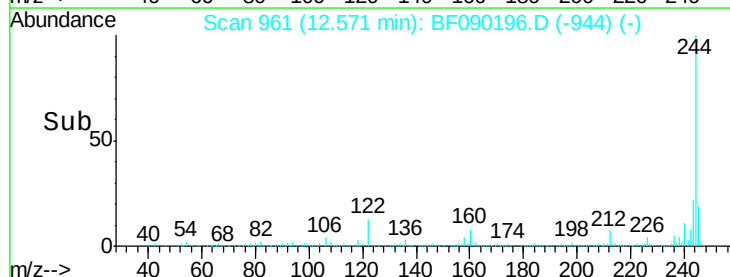
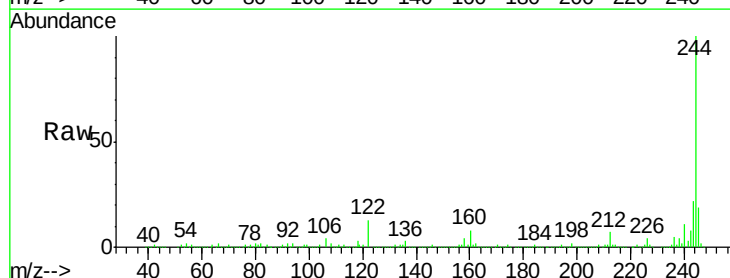
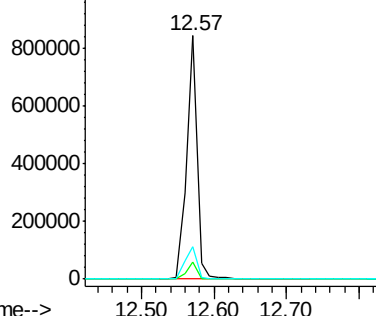
Acq: 23 Sep 2016 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.8   | 8.8   |
| 122     | 13.1  | 9.4   | 14.0  |

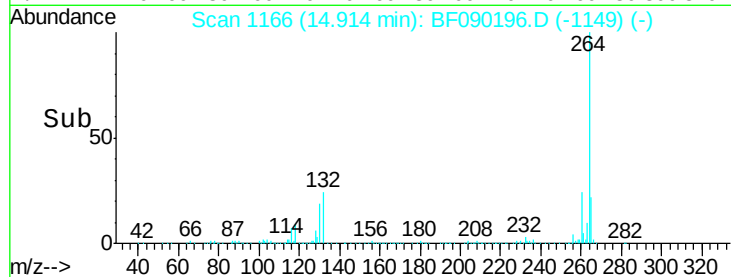
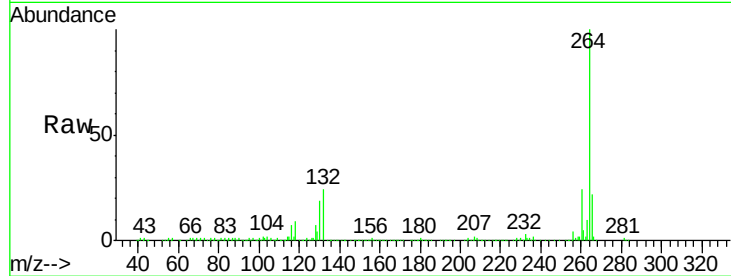
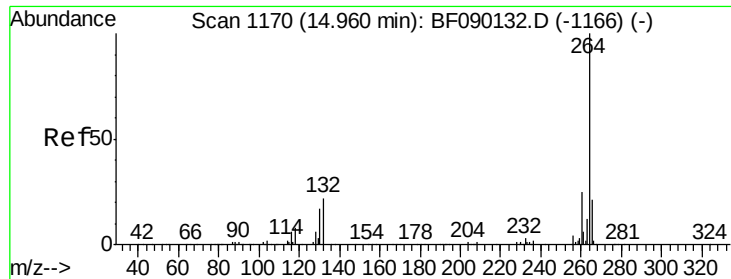
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 14.91 min Scan# 1166  
 Delta R.T. -0.00 min  
 Lab File: BF090196.D  
 Acq: 23 Sep 2016 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5RE

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 284545 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.5  | 19.5  | 29.3   |
| 265       | 21.8  | 17.0  | 25.4   |

Manual Integrations  
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