

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\  
 Data File : BF092415.D  
 Acq On : 21 Jan 2017 16:20  
 Operator : UM/SJ  
 Sample : I1265-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4

Manual Integrations  
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 1/23/2017 2:46:05 PM

Quant Time: Jan 23 02:16:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 23 01:12:17 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.51  | 152  | 114073m  | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 7.80  | 136  | 433272   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.55  | 164  | 186043   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.02 | 188  | 304591   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 13.65 | 240  | 327457   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.00 | 264  | 239980   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.10  | 112  | 129874   | 19.01 | ng    | 0.01           |
| 7) Phenol-d6                | 6.20  | 99   | 169876   | 20.37 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.09  | 82   | 99826    | 12.81 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.35 | 330  | 23655    | 15.36 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 8.88  | 172  | 166929   | 6.47  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.61 | 244  | 174937   | 12.96 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.28  | 163  | 26297    | 2.21  | ng    | Qvalue<br># 91 |

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

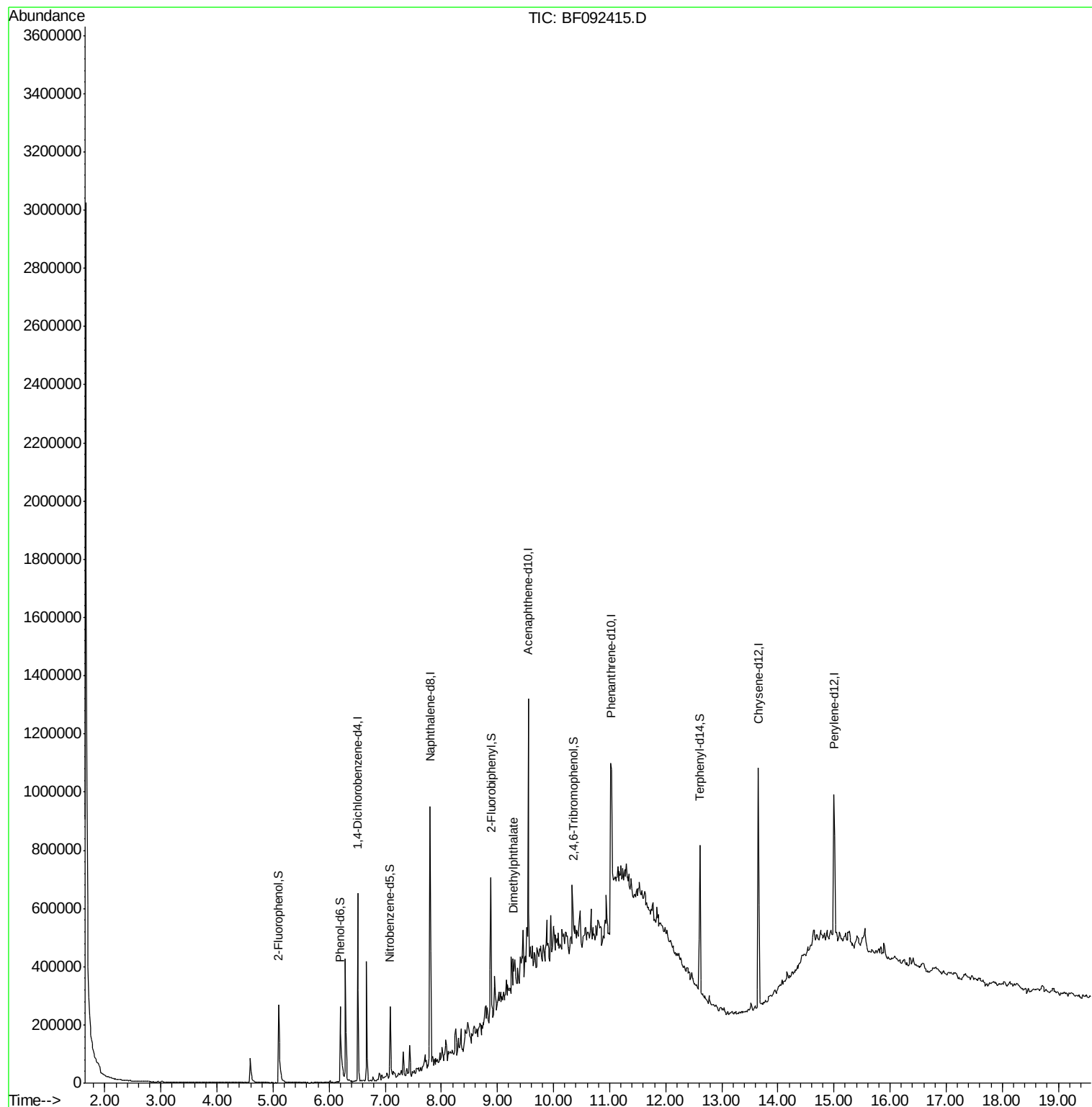
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\  
Data File : BF092415.D  
Acq On : 21 Jan 2017 16:20  
Operator : UM/SJ  
Sample : I1265-06  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

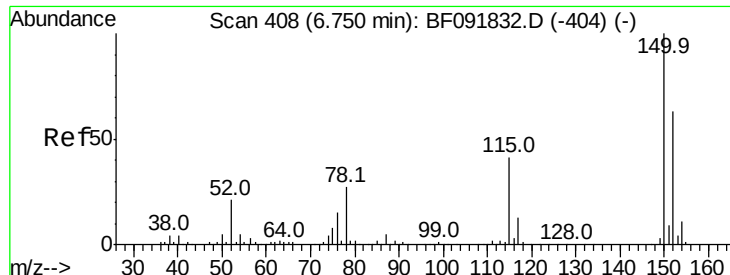
Instrument :  
BNA\_F  
ClientSampleId :  
B-4

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Quant Time: Jan 23 02:16:23 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 23 01:12:17 2017  
Response via : Initial Calibration





#1

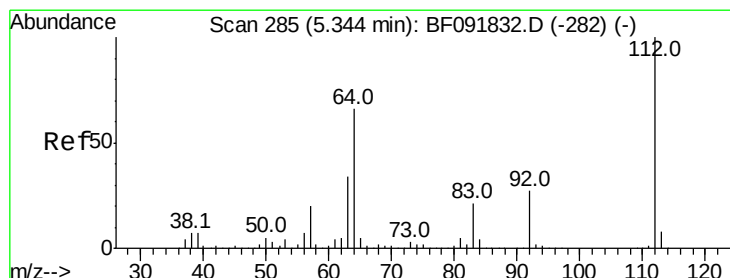
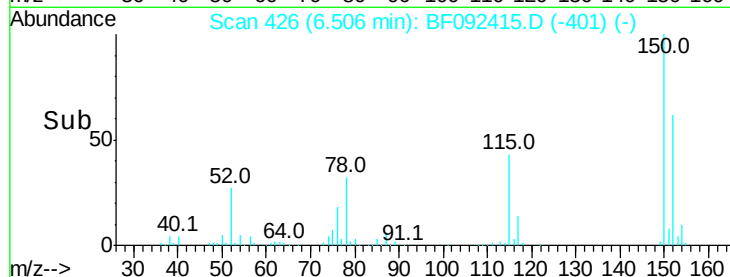
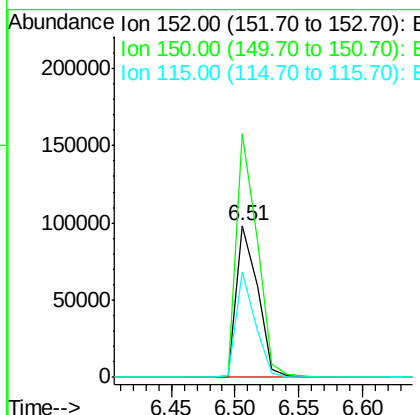
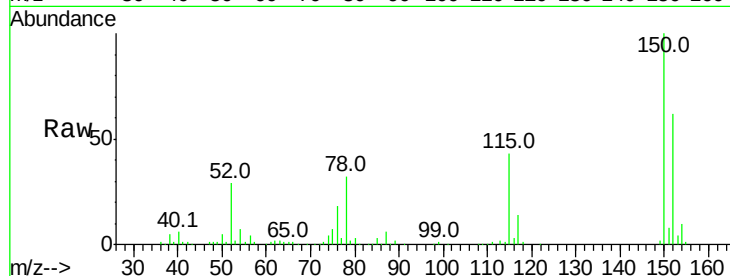
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng/ml  
 RT: 6.51 min Scan# 426  
 Delta R.T. -0.01 min  
 Lab File: BF092415.D  
 Acq: 21 Jan 2017 16:20

Instrument :  
 BNA\_F  
 ClientSampled :  
 B-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 124.9 | 187.3 |
| 115     | 69.7  | 46.0  | 69.0  |

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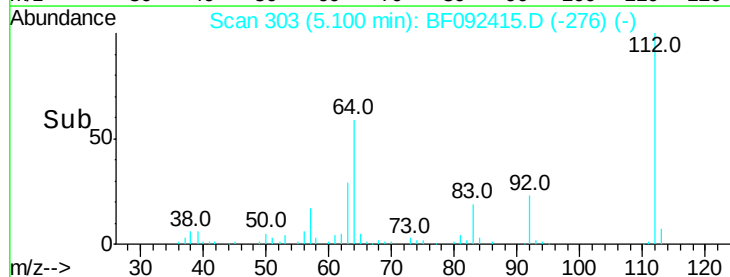
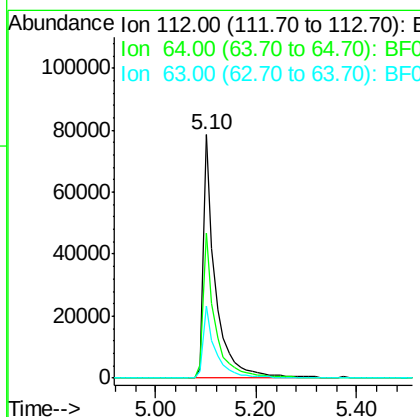
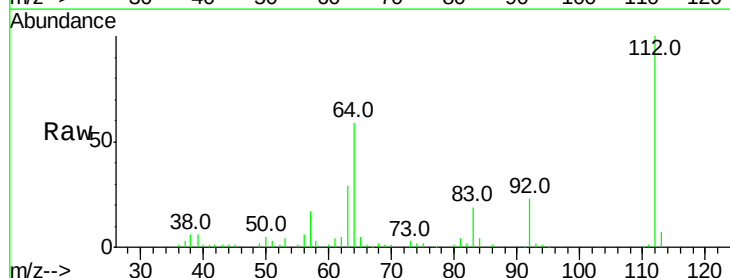
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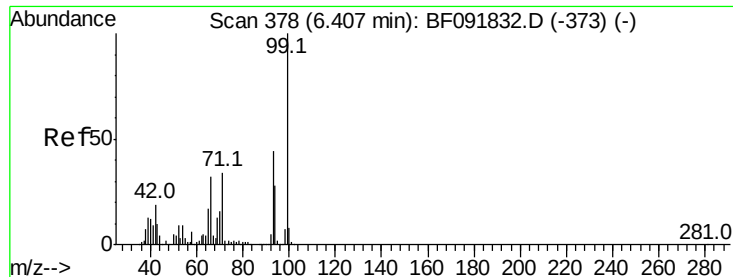


#5

2-Fluorophenol  
 Concen: 19.01 ng  
 RT: 5.10 min Scan# 303  
 Delta R.T. 0.01 min  
 Lab File: BF092415.D  
 Acq: 21 Jan 2017 16:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.5  | 46.1  | 69.1  |
| 63      | 29.4  | 23.8  | 35.6  |





#7

Phenol-d6

Concen: 20.37 ng

RT: 6.20 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF092415.D

Acq: 21 Jan 2017 16:20

Instrument :

BNA\_F

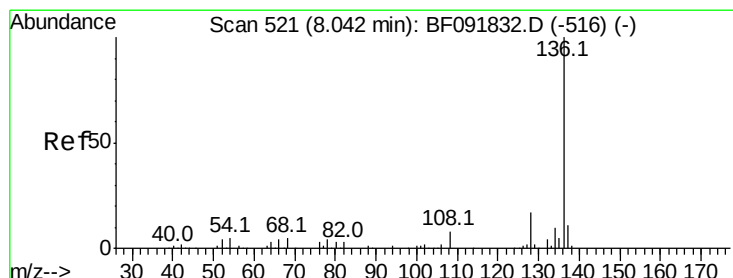
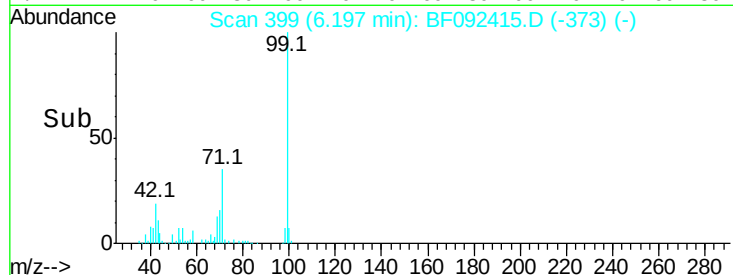
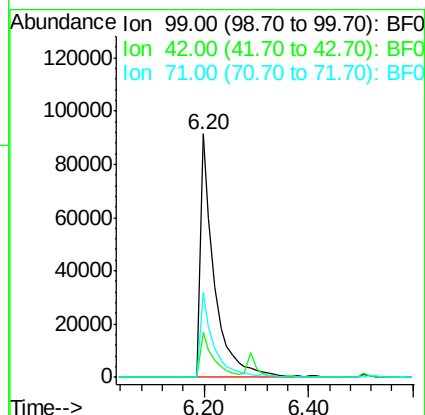
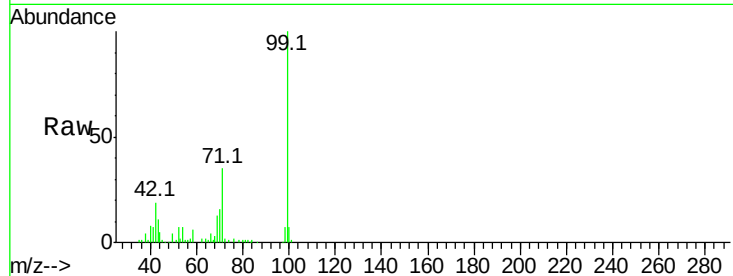
ClientSampleId :

B-4

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 169876 |       |       |
| 42      | 18.8 | 15.6  | 23.4   |       |       |
| 71      | 35.0 | 27.5  | 41.3   |       |       |

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#21

Naphthalene-d8

Concen: 20.00 ng

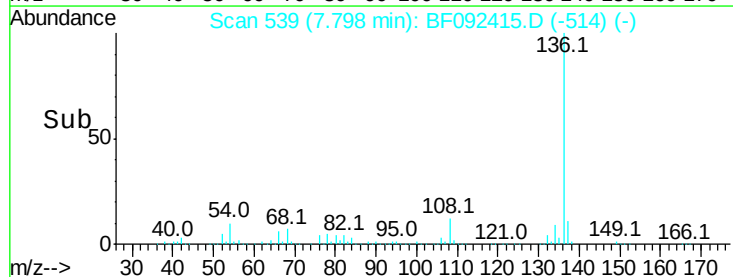
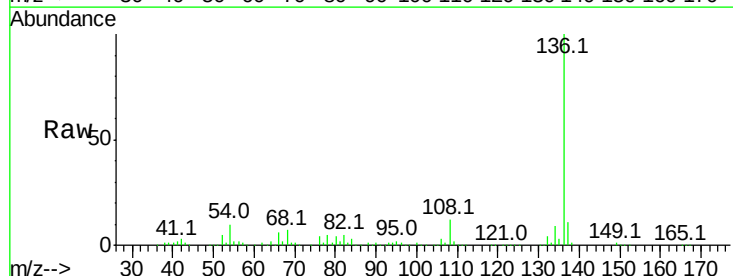
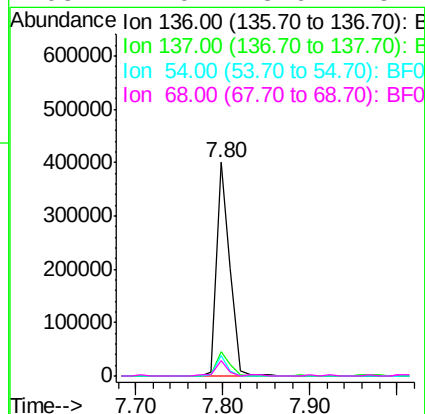
RT: 7.80 min Scan# 539

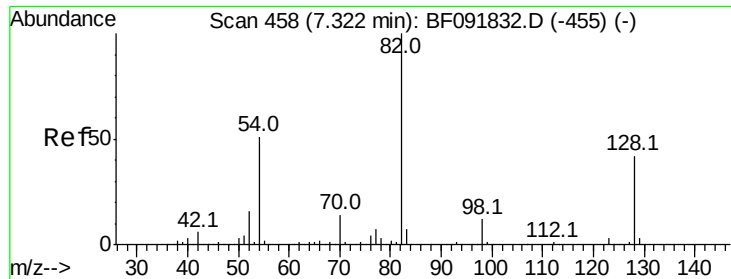
Delta R.T. -0.01 min

Lab File: BF092415.D

Acq: 21 Jan 2017 16:20

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 433272 |       |       |
| 137     | 11.3 | 8.4   | 12.6   |       |       |
| 54      | 9.9  | 4.5   | 6.7#   |       |       |
| 68      | 7.0  | 3.6   | 5.4#   |       |       |





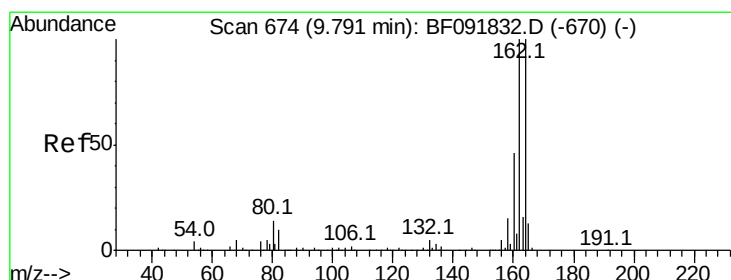
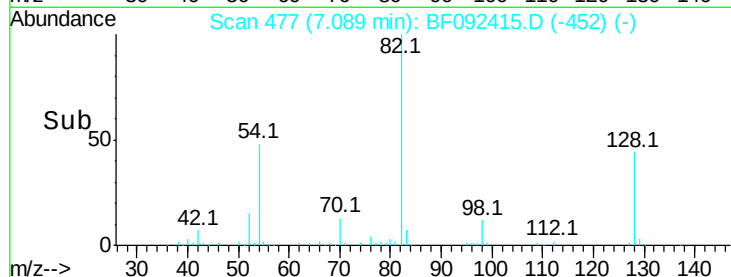
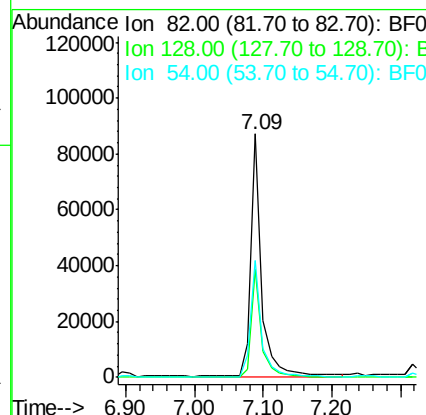
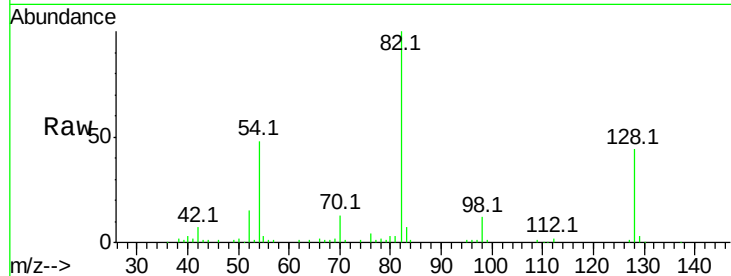
#23  
Nitrobenzene-d5  
Concen: 12.81 ng  
RT: 7.09 min Scan# 477  
Delta R.T. -0.01 min  
Lab File: BF092415.D  
Acq: 21 Jan 2017 16:20

Instrument :  
BNA\_F  
ClientSampled :  
B-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.2  | 34.6  | 52.0  |
| 54      | 47.8  | 39.5  | 59.3  |

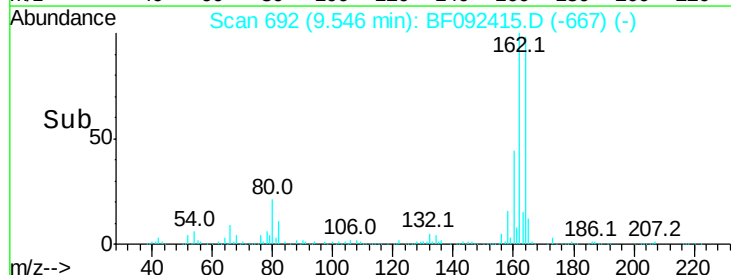
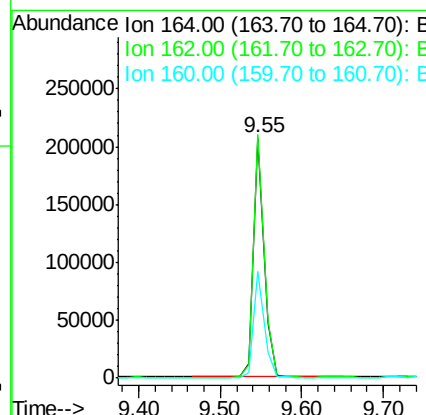
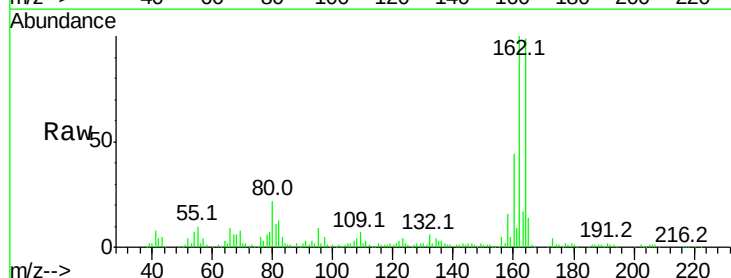
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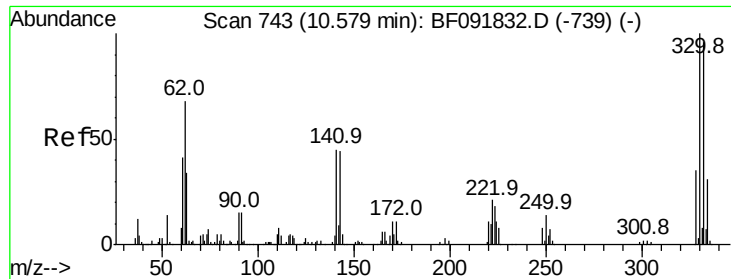
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.55 min Scan# 692  
Delta R.T. -0.01 min  
Lab File: BF092415.D  
Acq: 21 Jan 2017 16:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 80.2  | 120.2 |
| 160     | 44.6  | 36.9  | 55.3  |





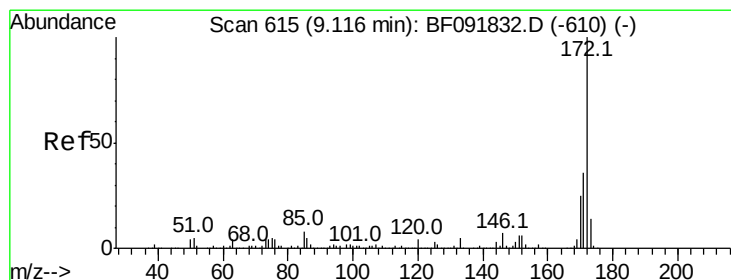
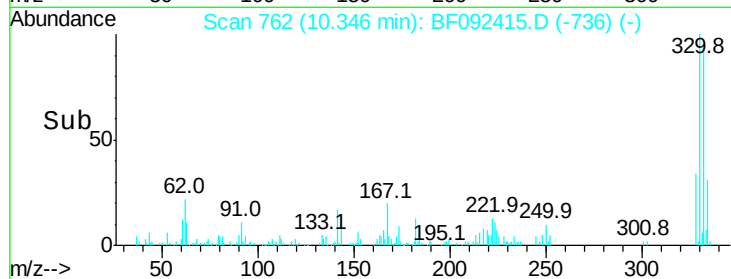
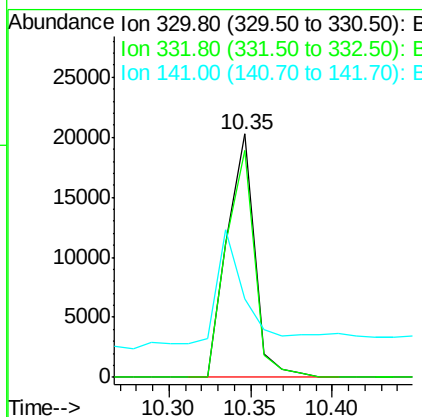
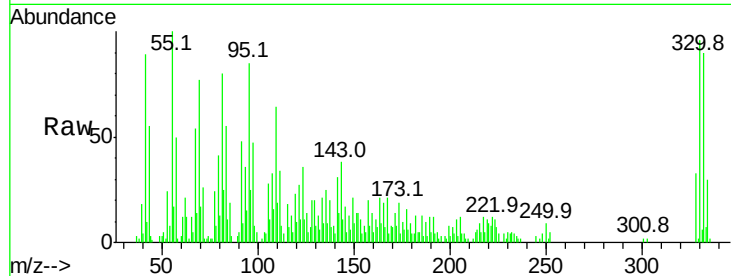
#41  
 2,4,6-Tribromophenol  
 Concen: 15.36 ng  
 RT: 10.35 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BF092415.D  
 Acq: 21 Jan 2017 16:20

Instrument :  
 BNA\_F  
 ClientSampled :  
 B-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.4  | 116.2 |
| 141     | 60.9  | 34.1  | 51.1# |

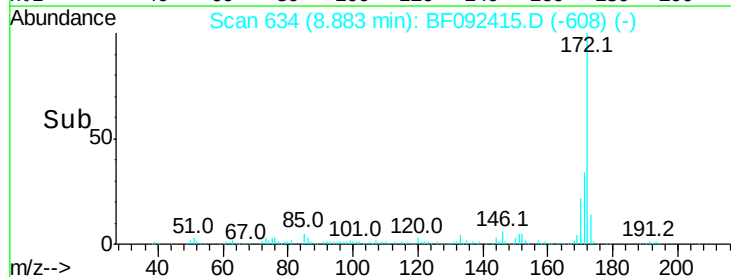
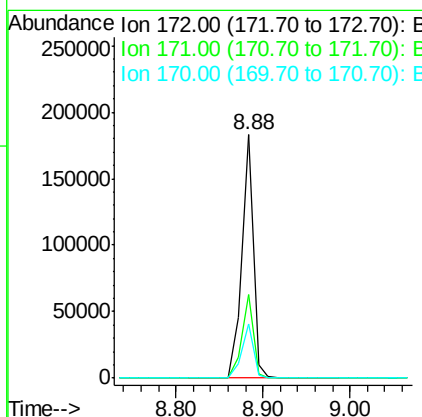
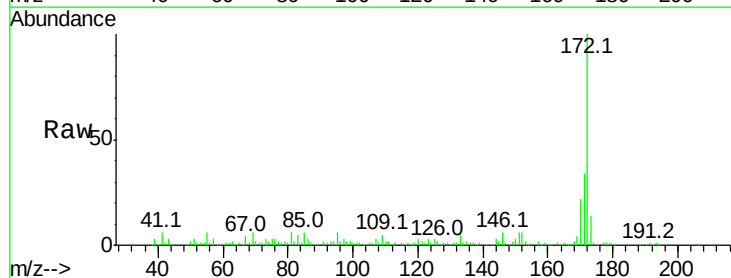
Manual Integrations  
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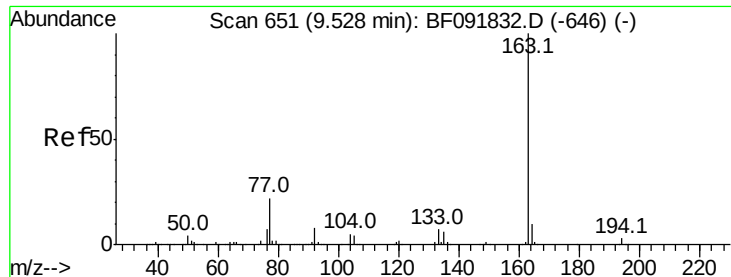
mohammad  
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#44  
 2-Fluorobiphenyl  
 Concen: 6.47 ng  
 RT: 8.88 min Scan# 634  
 Delta R.T. 0.00 min  
 Lab File: BF092415.D  
 Acq: 21 Jan 2017 16:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.2  | 29.4  | 44.0  |
| 170     | 22.4  | 20.2  | 30.4  |





#49

Dimethylphthalate

Concen: 2.21 ng

RT: 9.28 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF092415.D

Acq: 21 Jan 2017 16:20

Instrument :

BNA\_F

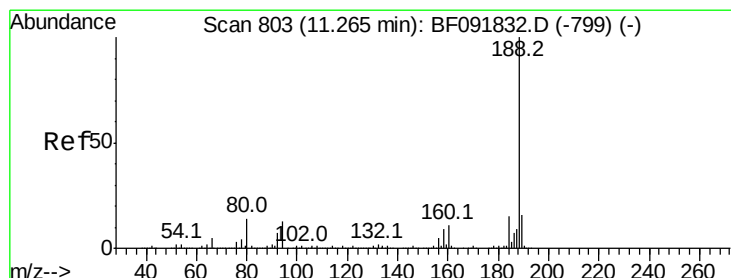
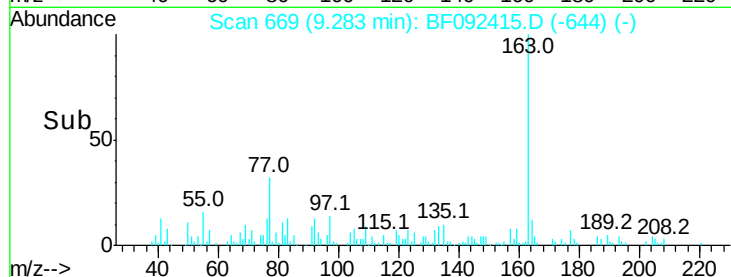
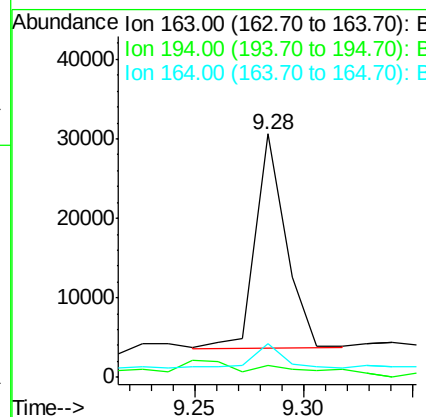
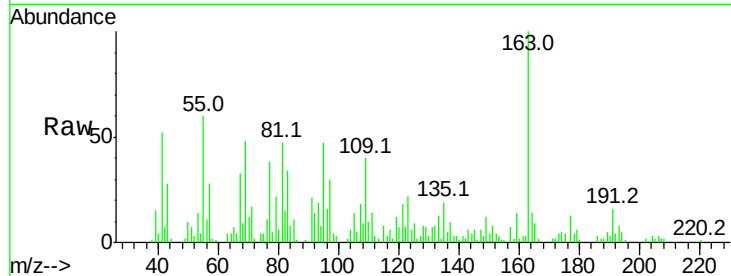
ClientSampleId :

B-4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 163   | Resp: | 26297 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 5.0   | 3.0   | 4.4#  |
| 164       | 13.9  | 8.0   | 12.0# |

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#63

Phenanthrene-d10

Concen: 20.00 ng

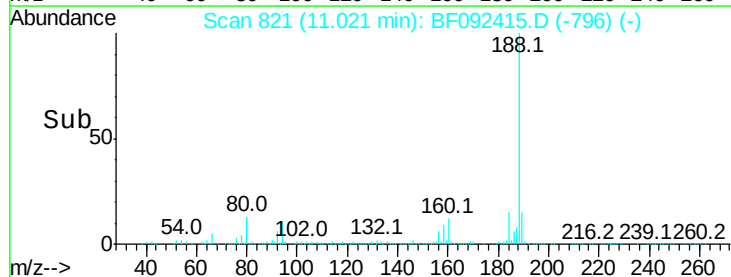
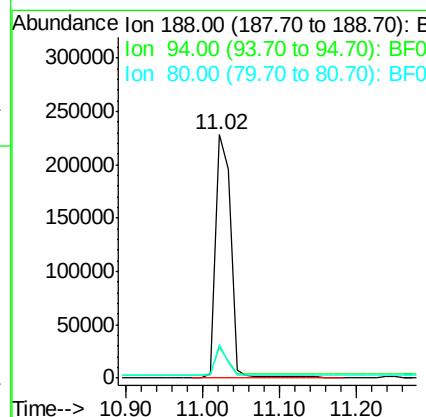
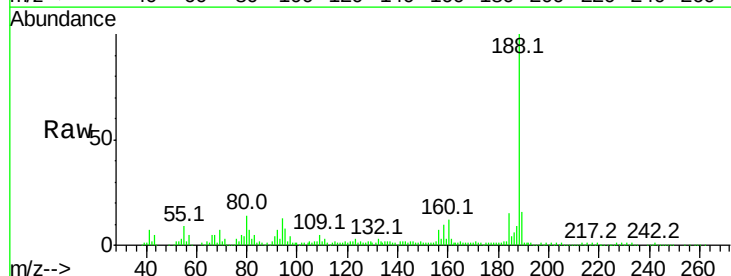
RT: 11.02 min Scan# 821

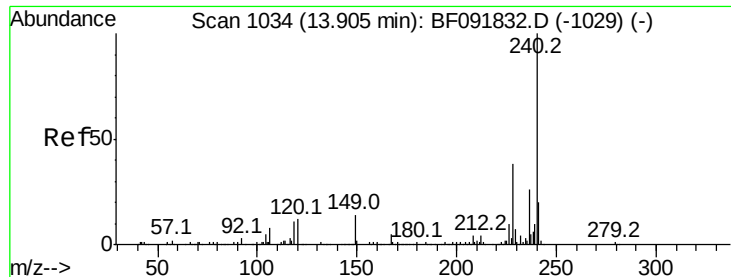
Delta R.T. -0.01 min

Lab File: BF092415.D

Acq: 21 Jan 2017 16:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 304591 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 12.7  | 10.0  | 15.0   |
| 80        | 14.1  | 11.2  | 16.8   |





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF092415.D

Acq: 21 Jan 2017 16:20

Instrument :

BNA\_F

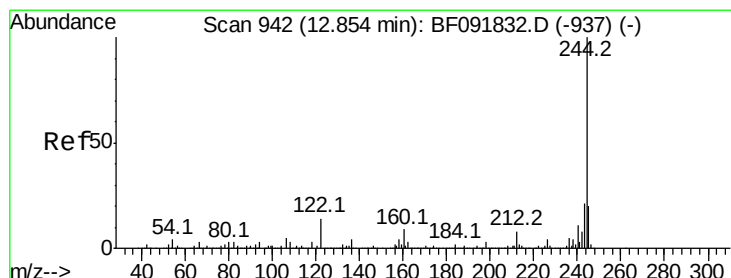
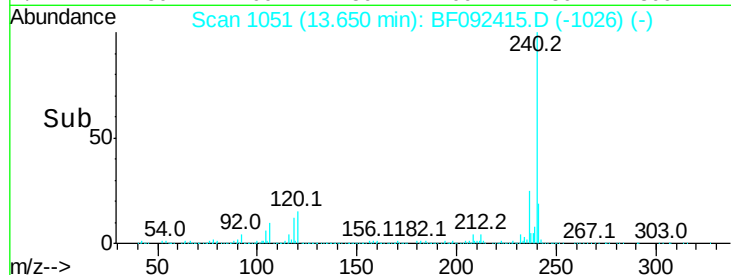
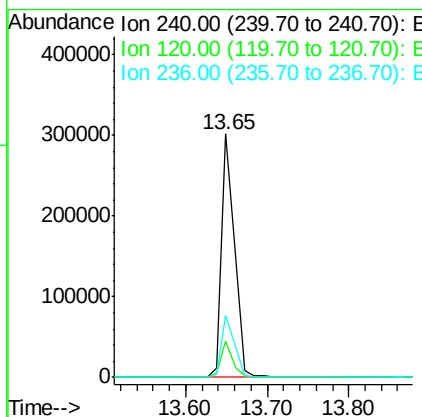
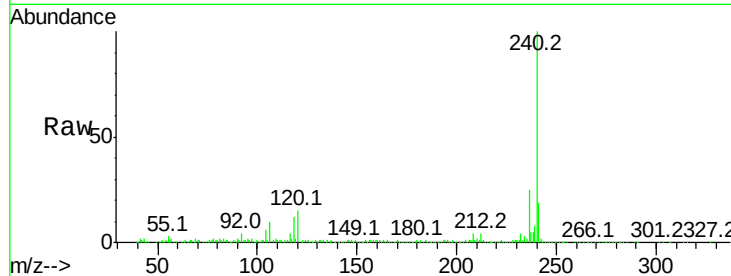
ClientSampleId :

B-4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 327457 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 14.9  | 12.9  | 19.3   |
| 236       | 25.4  | 20.9  | 31.3   |

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#78

Terphenyl-d14

Concen: 12.96 ng

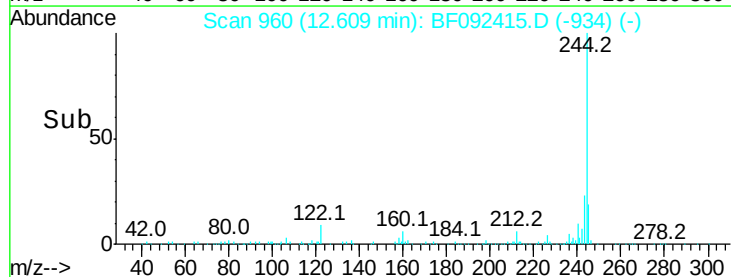
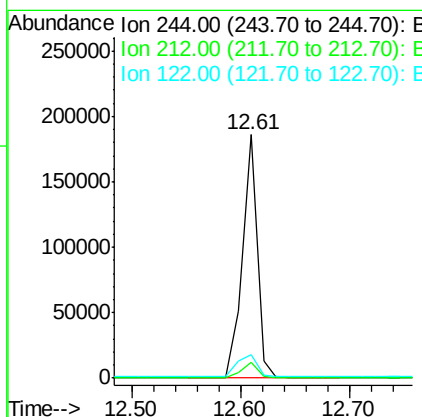
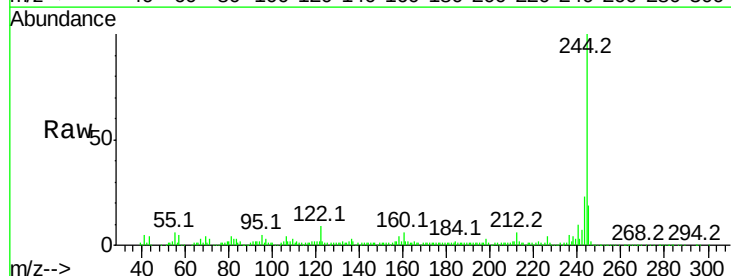
RT: 12.61 min Scan# 960

Delta R.T. 0.00 min

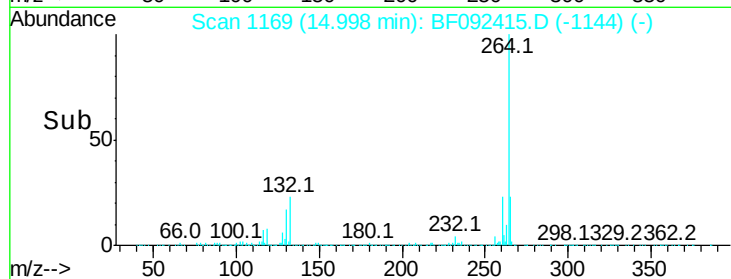
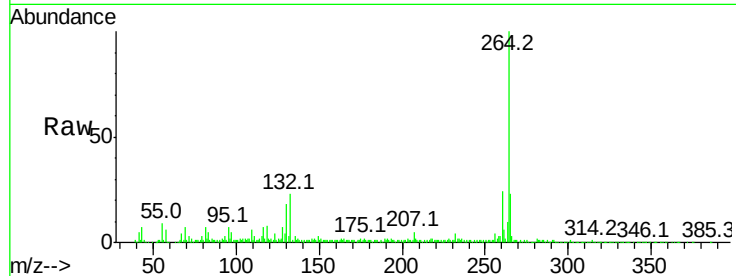
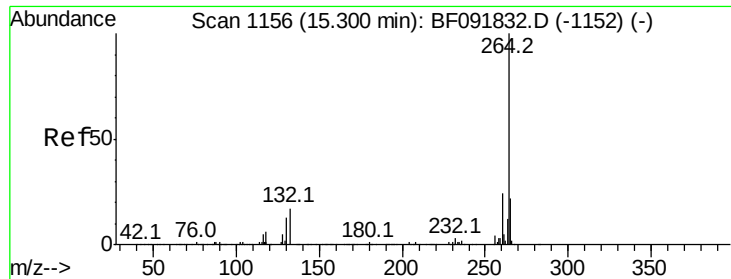
Lab File: BF092415.D

Acq: 21 Jan 2017 16:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 174937 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.3   | 6.2   | 9.2    |
| 122       | 9.5   | 11.4  | 17.2#  |







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.00 min Scan# 1169  
Delta R.T. -0.01 min  
Lab File: BF092415.D  
Acq: 21 Jan 2017 16:20

Instrument :  
BNA\_F  
ClientSampleId :  
B-4

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.7  | 19.2       | 28.8  |
| 265     | 23.2  | 17.4       | 26.0  |

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