

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100115\  
 Data File : BF081946.D  
 Acq On : 1 Oct 2015 18:40  
 Operator : UM/IZ  
 Sample : G3707-05  
 Misc : LOD 4 PPM  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2015-01

Manual Integrations  
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apatel  
 10/2/2015 9:02:22 AM

Quant Time: Oct 02 15:18:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|--------------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 115301   | 20.00  | ng    | -0.05        |
| 21) Naphthalene-d8             | 8.18  | 136  | 473295   | 20.00  | ng    | -0.03        |
| 38) Acenaphthene-d10           | 9.93  | 164  | 229916   | 20.00  | ng    | -0.05        |
| 63) Phenanthrene-d10           | 11.42 | 188  | 465664   | 20.00  | ng    | -0.05        |
| 75) Chrysene-d12               | 14.06 | 240  | 480661   | 20.00  | ng    | -0.06        |
| 86) Perylene-d12               | 15.50 | 264  | 371651   | 20.00  | ng    | -0.08        |
| System Monitoring Compounds    |       |      |          |        |       |              |
| 5) 2-Fluorophenol              | 5.50  | 112  | 654476   | 103.04 | ng    | -0.02        |
| 7) Phenol-d6                   | 6.53  | 99   | 927500   | 116.05 | ng    | -0.03        |
| 23) Nitrobenzene-d5            | 7.46  | 82   | 553210   | 77.92  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 252985   | 108.65 | ng    | -0.05        |
| 44) 2-Fluorobiphenyl           | 9.26  | 172  | 1089872  | 78.07  | ng    | -0.05        |
| 78) Terphenyl-d14              | 13.01 | 244  | 1141191  | 73.99  | ng    | -0.05        |
| Target Compounds               |       |      |          |        |       |              |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 2218     | 2.44   | ng    | Qvalue<br>82 |

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

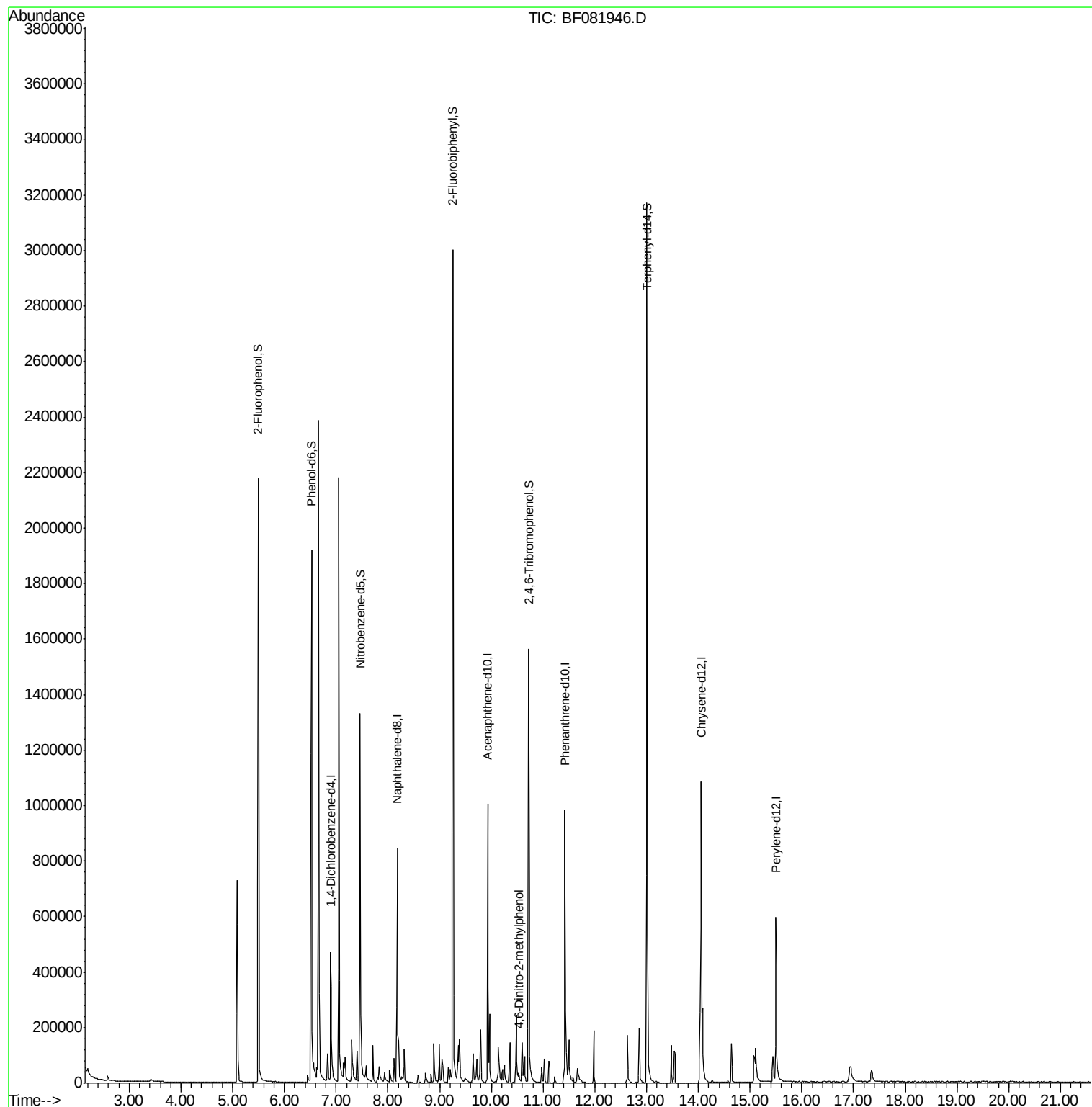
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100115\  
Data File : BF081946.D  
Acq On : 1 Oct 2015 18:40  
Operator : UM/IZ  
Sample : G3707-05  
Misc : LOD 4 PPM  
ALS Vial : 17 Sample Multiplier: 1

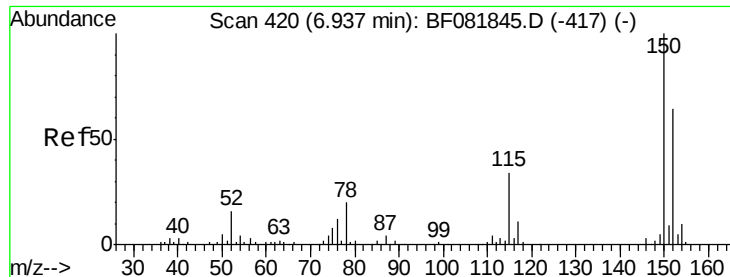
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2015-01

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10/2/2015 9:02:22 AM

Quant Time: Oct 02 15:18:19 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 28 18:10:42 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081946.D

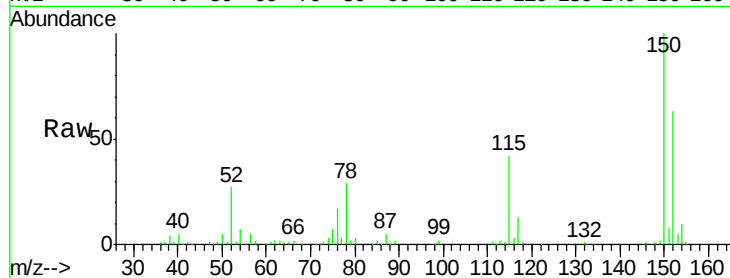
Acq: 1 Oct 2015 18:40

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2015-01



Tgt Ion:152 Resp: 115301

Ion Ratio Lower Upper

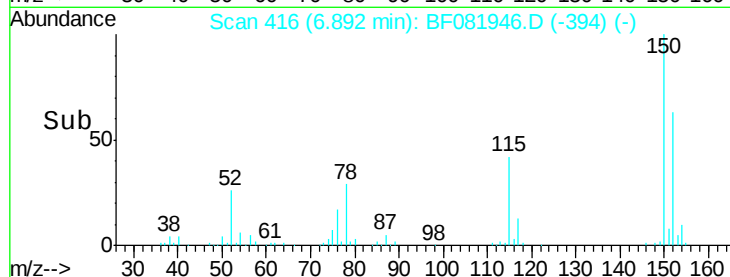
152 100

150 157.9 124.7 187.1

115 65.9 39.0 58.4#

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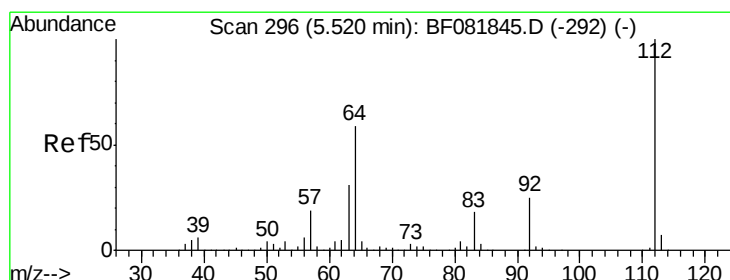
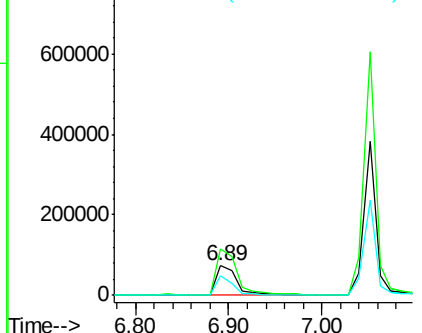
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 103.04 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081946.D

Acq: 1 Oct 2015 18:40

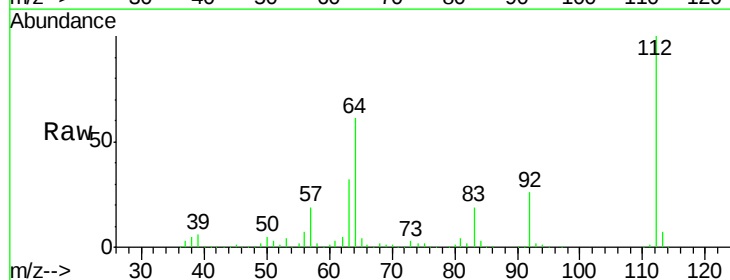
Tgt Ion:112 Resp: 654476

Ion Ratio Lower Upper

112 100

64 61.4 39.7 59.5#

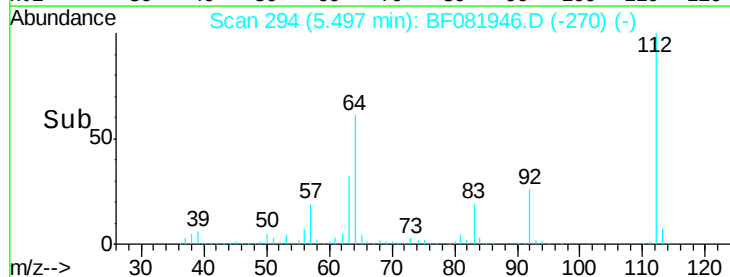
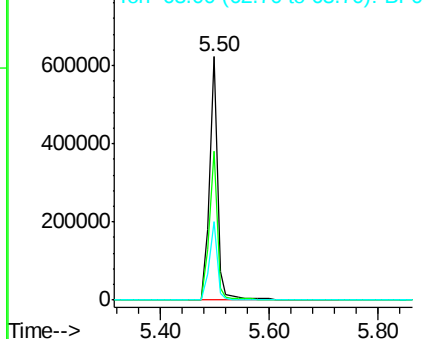
63 32.0 17.4 26.0#

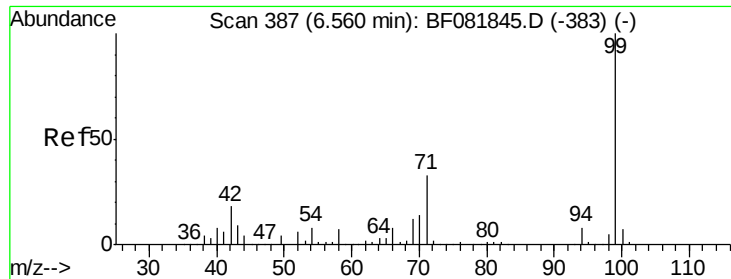


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.05 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081946.D

Acq: 1 Oct 2015 18:40

Instrument :

BNA\_F

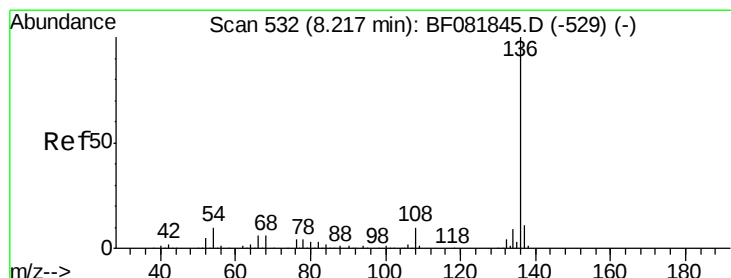
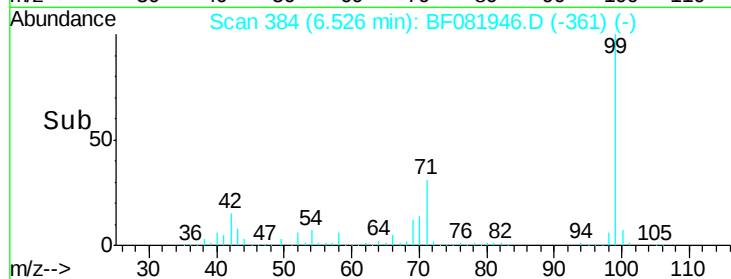
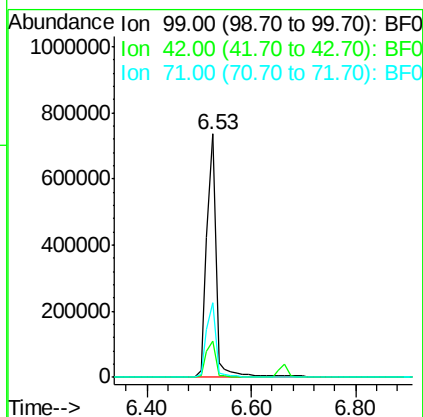
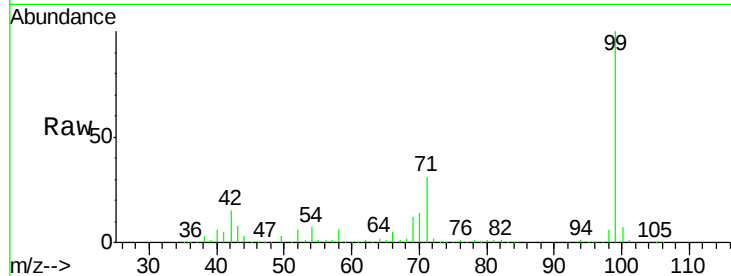
ClientSampleId :

LOD-WATER2015-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 927500 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.8  | 13.7  | 20.5   |
| 71        | 30.8  | 14.2  | 21.2#  |

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#21

Naphthalene-d8

Concen: 20.00 ng

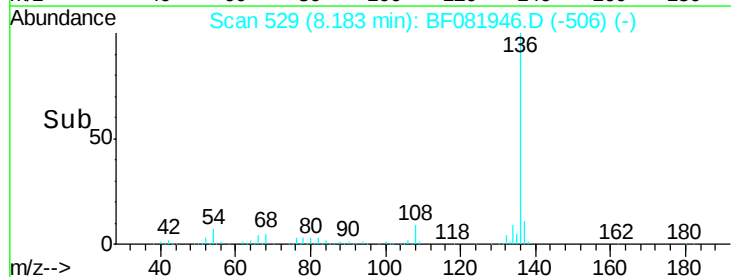
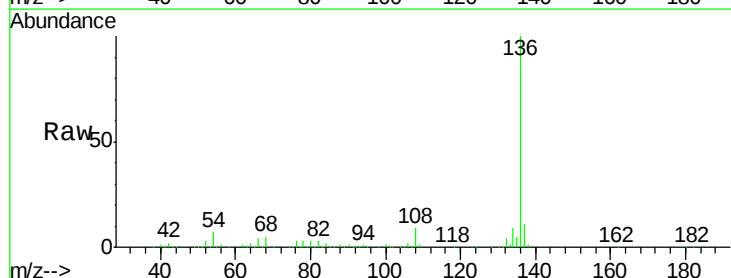
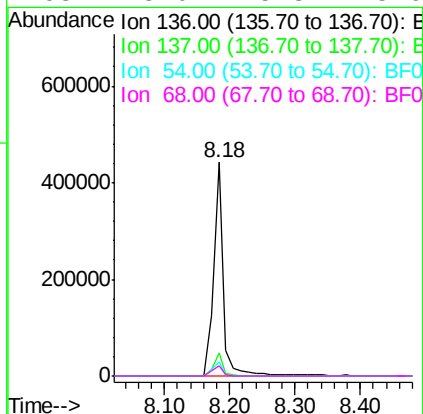
RT: 8.18 min Scan# 529

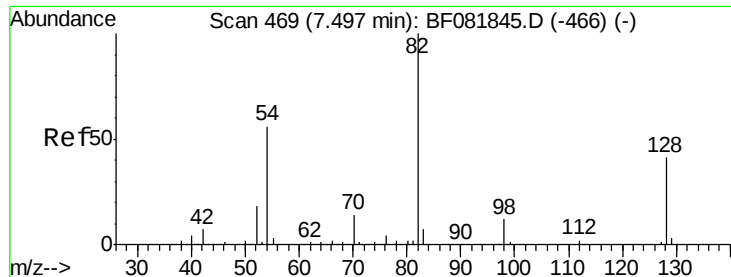
Delta R.T. -0.03 min

Lab File: BF081946.D

Acq: 1 Oct 2015 18:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 473295 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 9.0   | 13.6   |
| 54        | 6.9   | 8.2   | 12.2#  |
| 68        | 5.0   | 5.8   | 8.6#   |





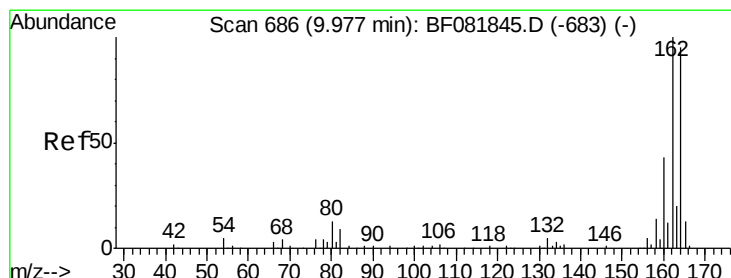
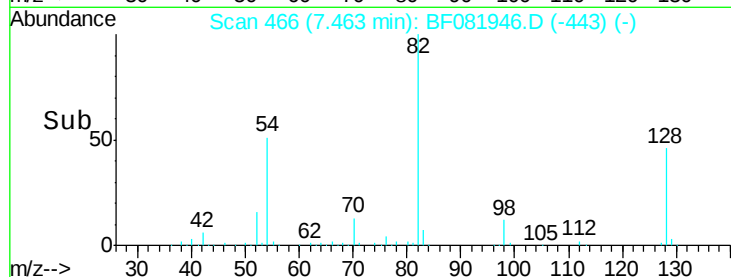
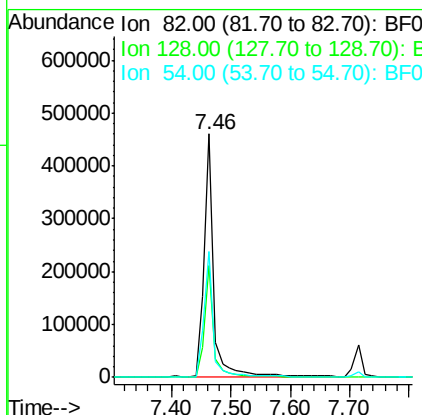
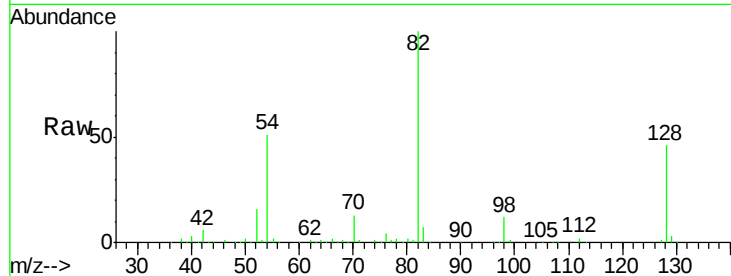
#23  
 Nitrobenzene-d5  
 Concen: 77.92 ng  
 RT: 7.46 min Scan# 466  
 Delta R.T. -0.03 min  
 Lab File: BF081946.D  
 Acq: 1 Oct 2015 18:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2015-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.9  | 51.0  | 76.6# |
| 54      | 51.5  | 47.5  | 71.3  |

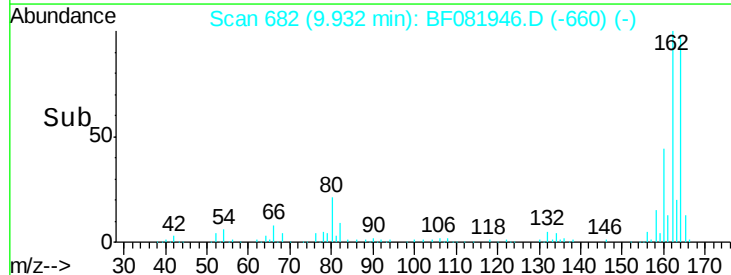
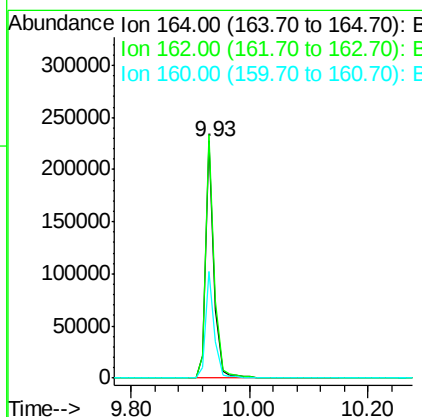
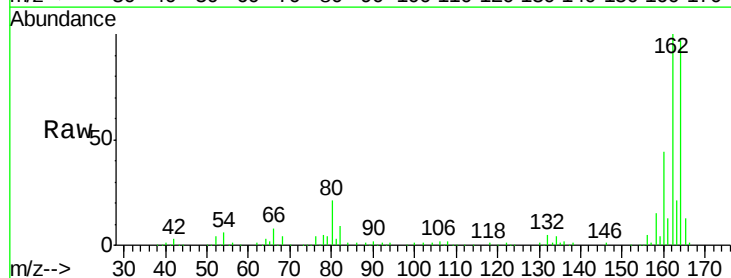
Manual Integrations  
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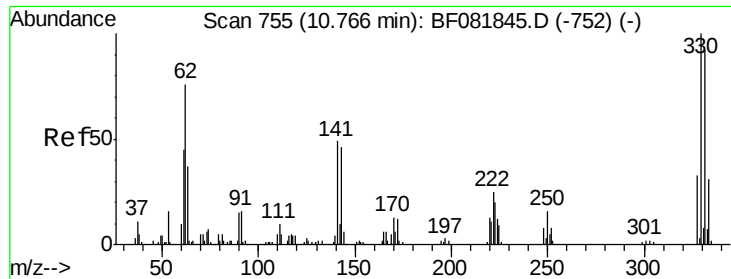
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 682  
 Delta R.T. -0.05 min  
 Lab File: BF081946.D  
 Acq: 1 Oct 2015 18:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.8 | 75.2  | 112.8 |
| 160     | 44.9  | 31.5  | 47.3  |





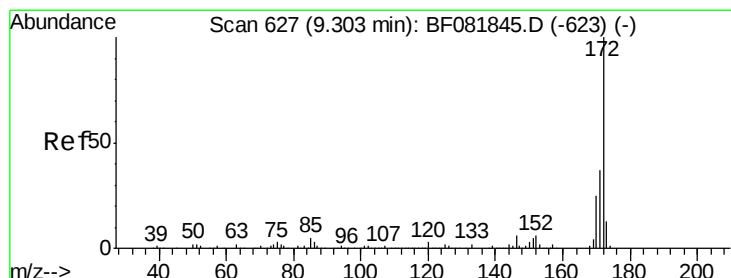
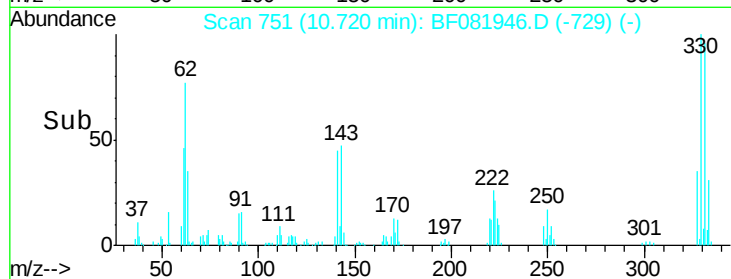
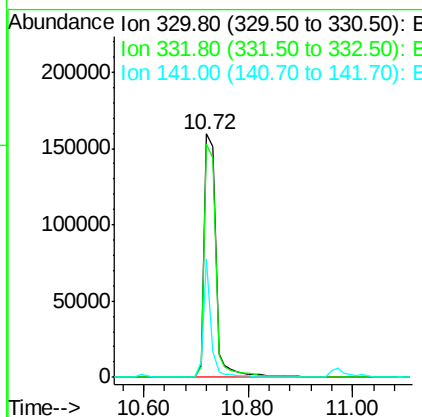
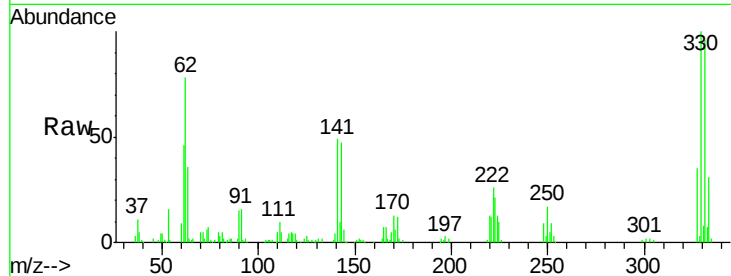
#41  
 2,4,6-Tribromophenol  
 Concen: 108.65 ng  
 RT: 10.72 min Scan# 751  
 Delta R.T. -0.05 min  
 Lab File: BF081946.D  
 Acq: 1 Oct 2015 18:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2015-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 252985 |       |       |
| 332     | 95.5  | 76.6   | 114.8 |       |
| 141     | 32.3  | 29.7   | 44.5  |       |

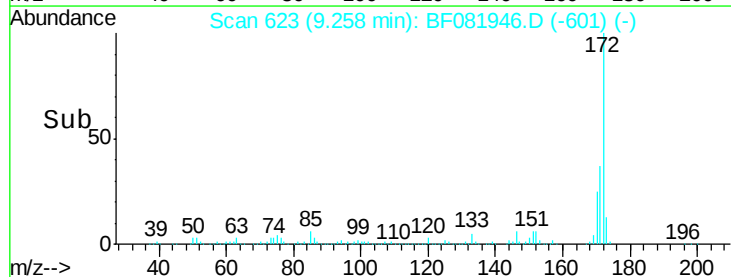
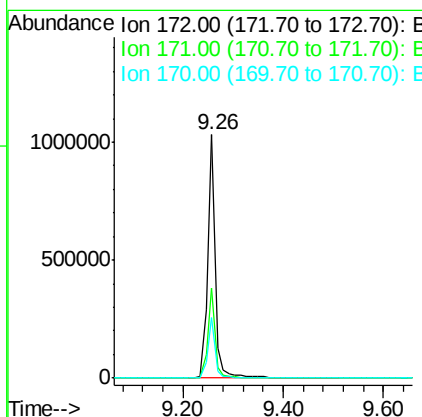
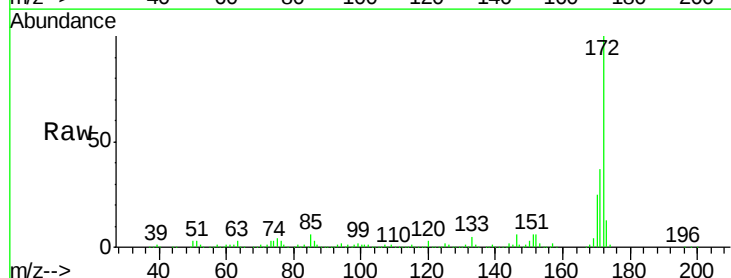
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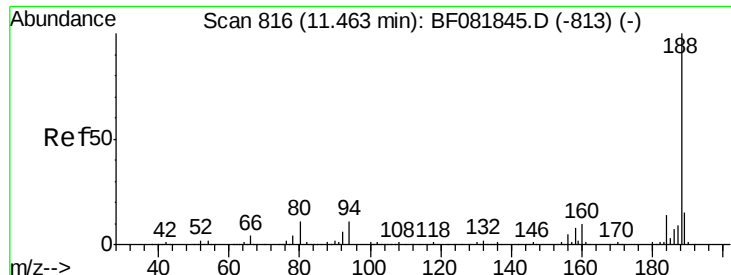
apatel  
 10/2/2015 9:02:22 AM



#44  
 2-Fluorobiphenyl  
 Concen: 78.07 ng  
 RT: 9.26 min Scan# 623  
 Delta R.T. -0.05 min  
 Lab File: BF081946.D  
 Acq: 1 Oct 2015 18:40

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1089872 |       |       |
| 171     | 36.8  | 26.1    | 39.1  |       |
| 170     | 24.7  | 17.4    | 26.2  |       |





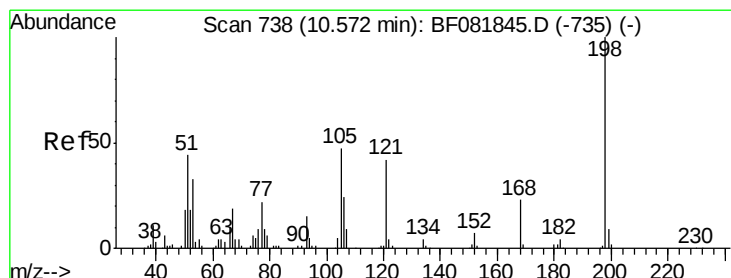
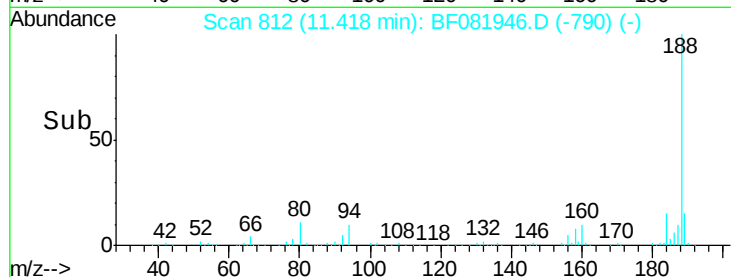
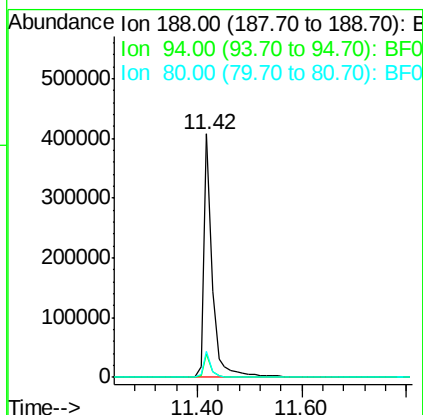
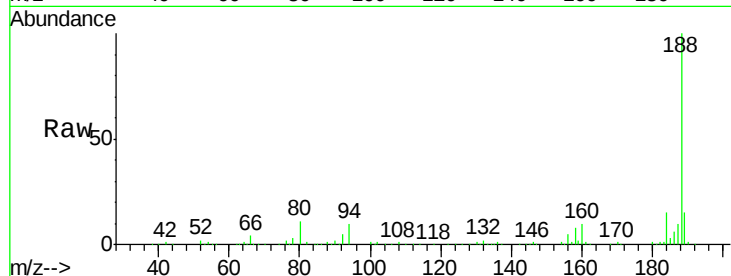
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.42 min Scan# 812  
Delta R.T. -0.05 min  
Lab File: BF081946.D  
Acq: 1 Oct 2015 18:40

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2015-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 465664 |       |       |
| 94      | 9.9   | 11.1   | 16.7# |       |
| 80      | 10.6  | 11.0   | 16.4# |       |

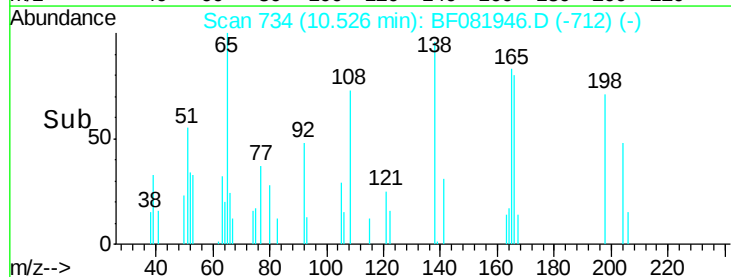
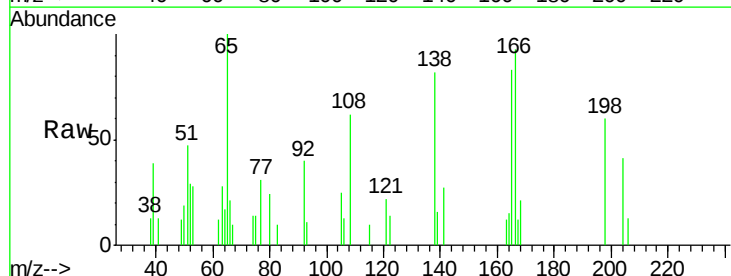
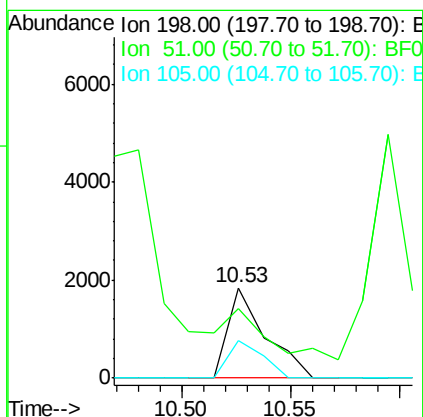
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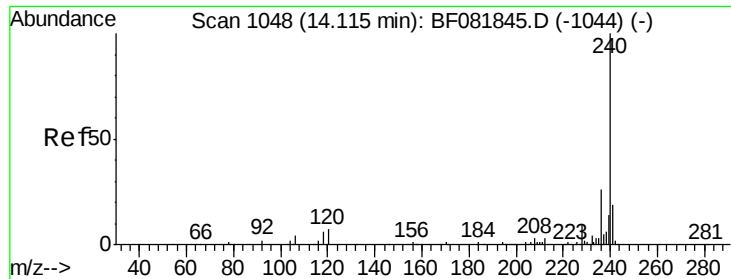
apatel  
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 2.44 ng  
RT: 10.53 min Scan# 734  
Delta R.T. -0.04 min  
Lab File: BF081946.D  
Acq: 1 Oct 2015 18:40

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   | 2218 |       |       |
| 51      | 77.5  | 39.6 | 79.6  |       |
| 105     | 41.5  | 28.5 | 68.5  |       |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF081946.D

Acq: 1 Oct 2015 18:40

Instrument :

BNA\_F

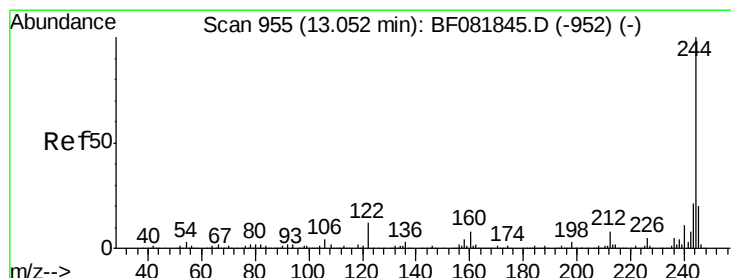
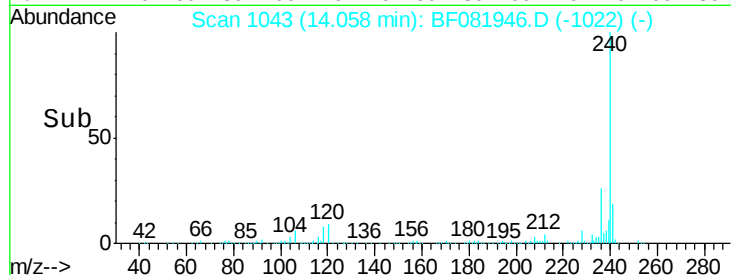
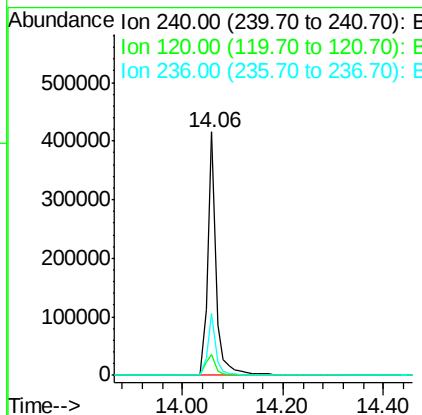
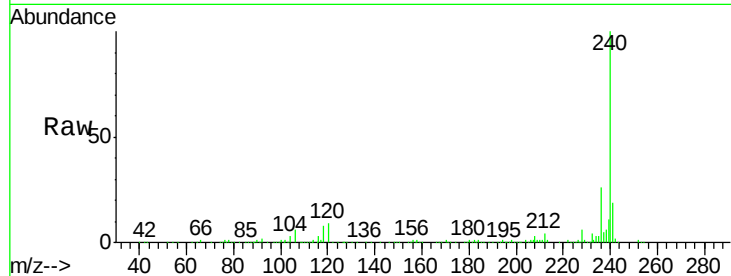
ClientSampleId :

LOD-WATER2015-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.7   | 16.2  | 24.2# |
| 236     | 25.6  | 18.4  | 27.6  |

Manual Integrations  
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#78

Terphenyl-d14

Concen: 73.99 ng

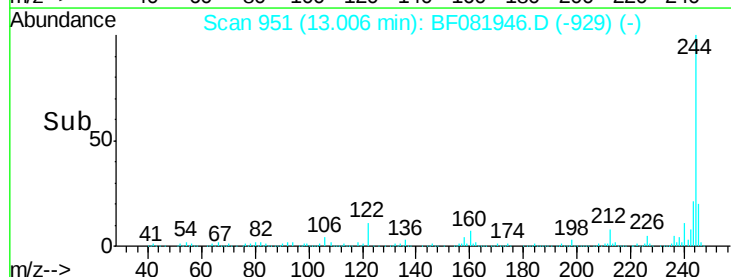
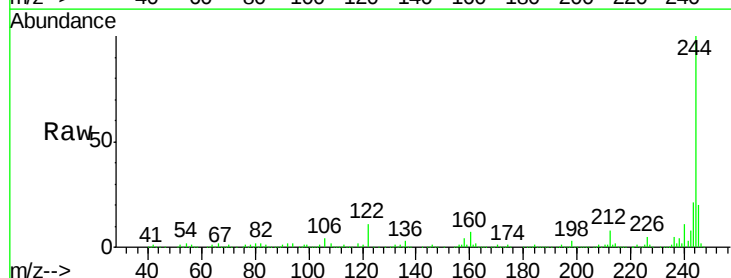
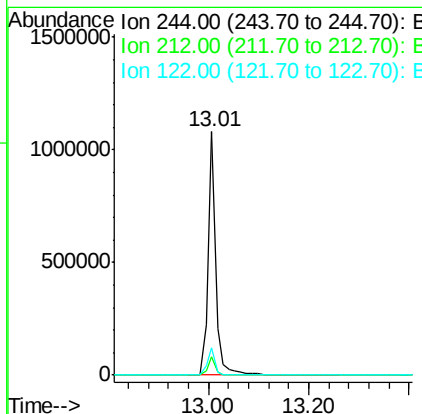
RT: 13.01 min Scan# 951

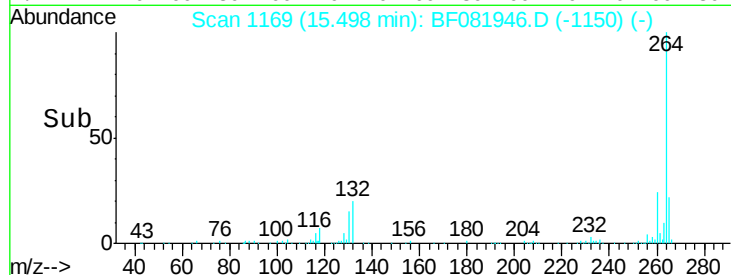
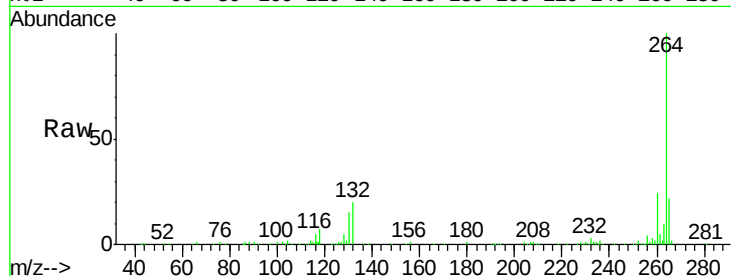
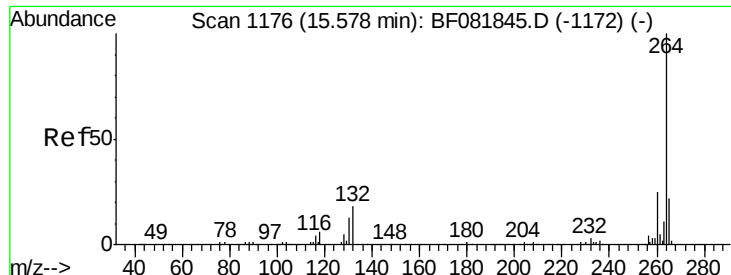
Delta R.T. -0.05 min

Lab File: BF081946.D

Acq: 1 Oct 2015 18:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.7   | 4.3   | 6.5#  |
| 122     | 11.0  | 17.4  | 26.2# |





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 1169  
Delta R.T. -0.08 min  
Lab File: BF081946.D  
Acq: 1 Oct 2015 18:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 371651 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.7  | 16.7  | 25.1   |
| 265       | 21.7  | 17.2  | 25.8   |

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2015-01

Manual Integrations  
APPROVED

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