

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\  
 Data File : BG019177.D  
 Acq On : 13 Oct 2015 3:26  
 Operator : UM/NP  
 Sample : G3707-05  
 Misc : LOD 8 PPM  
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations  
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 10/13/2015 1:26:52 PM

Quant Time: Oct 13 05:18:16 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 13 03:45:00 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 16544    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 75763    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.66 | 164  | 53874    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.40 | 188  | 140179   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.68 | 240  | 168023   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.91 | 264  | 162787   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 113401   | 139.56 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 174816   | 140.05 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 119192   | 86.93  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 101456   | 138.20 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 305432   | 87.17  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.02 | 244  | 547958   | 86.15  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.12 | 122  | 660m     | 8.61   | ng    | Qvalue   |
| 53) 2,4-Dinitrophenol       | 14.77 | 184  | 419      | 2.49   | ng    | # 41     |

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

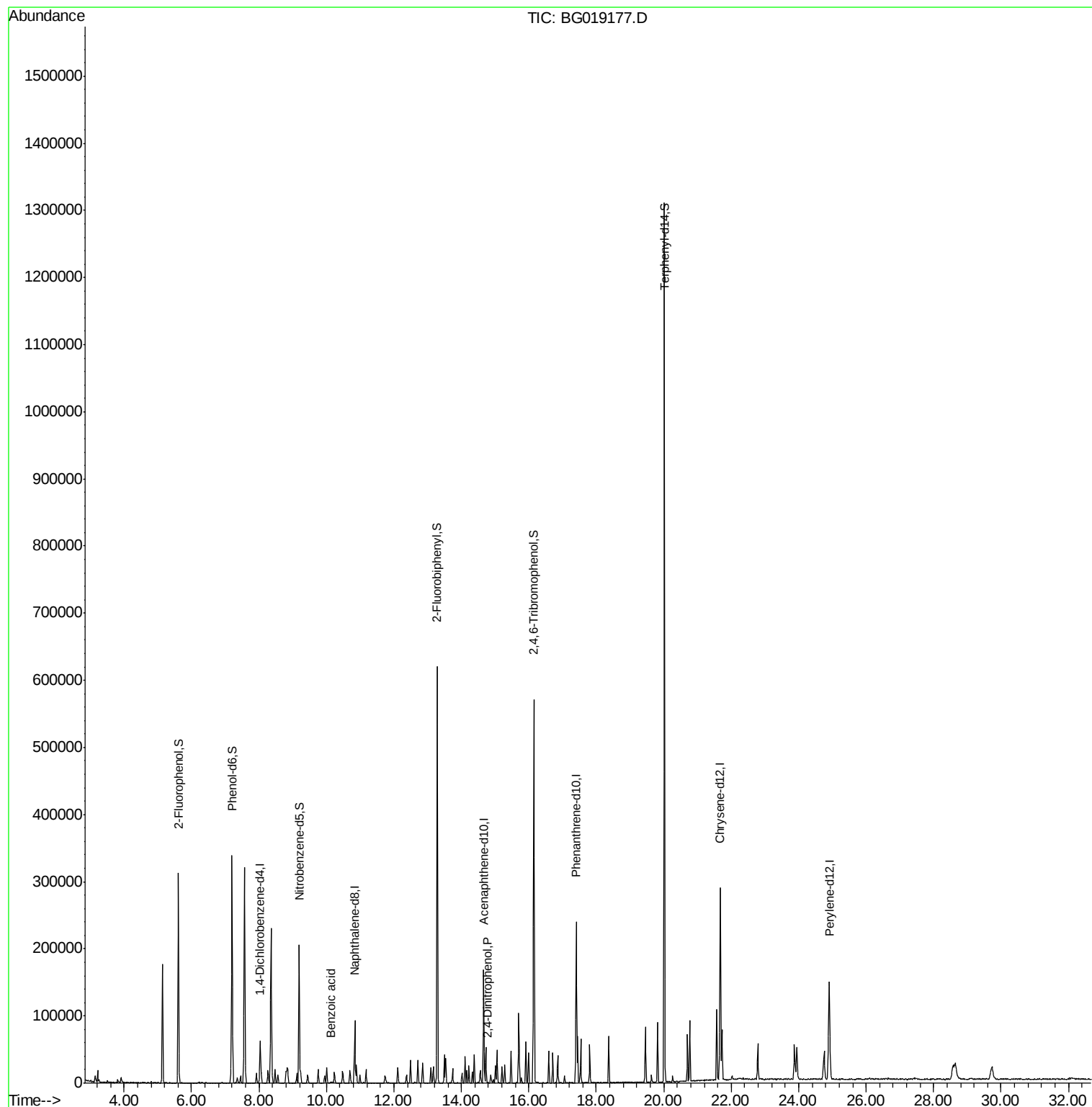
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\  
Data File : BG019177.D  
Acq On : 13 Oct 2015 3:26  
Operator : UM/NP  
Sample : G3707-05  
Misc : LOD 8 PPM  
ALS Vial : 13 Sample Multiplier: 1

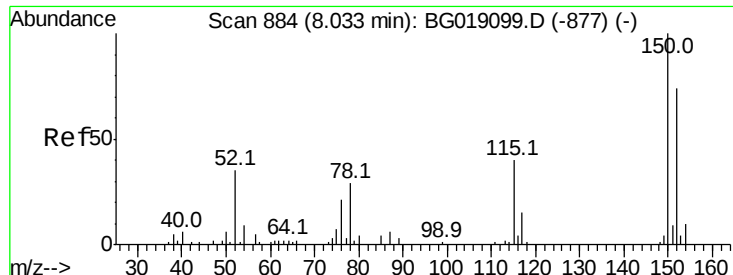
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-WATER2015-01

Manual Integrations  
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Quant Time: Oct 13 05:18:16 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 13 03:45:00 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG019177.D

Acq: 13 Oct 2015 3:26

Instrument :

BNA\_G

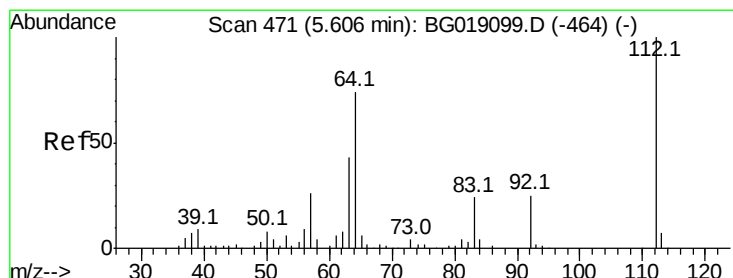
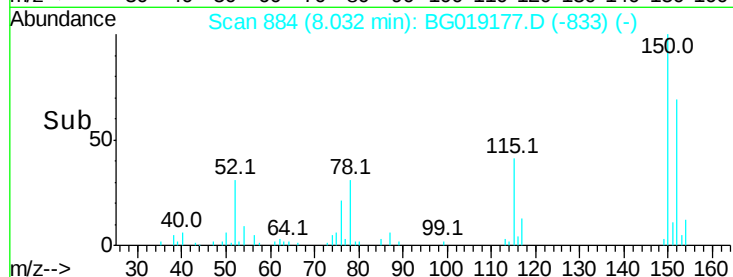
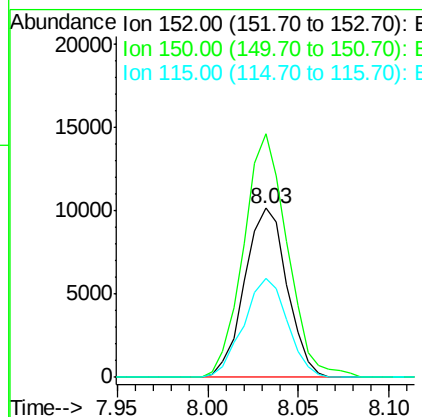
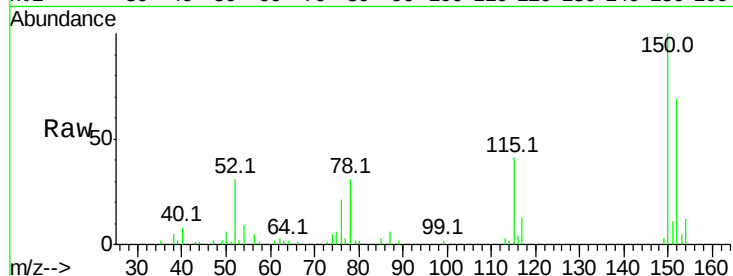
ClientSampleId :

LOD-WATER2015-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 16544 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 144.0 | 108.2 | 162.2 |
| 115       | 58.5  | 43.2  | 64.8  |

Manual Integrations  
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#5

2-Fluorophenol

Concen: 139.56 ng

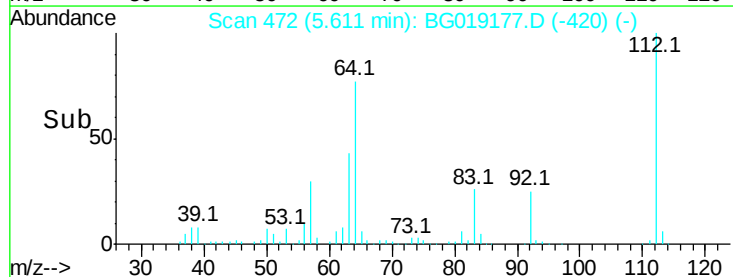
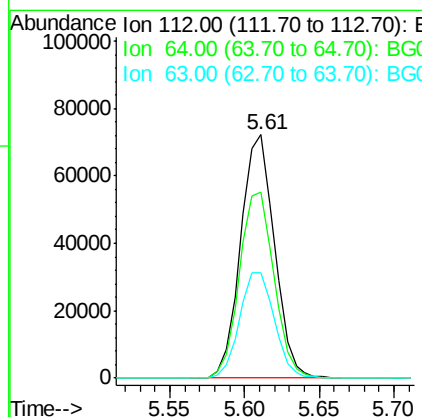
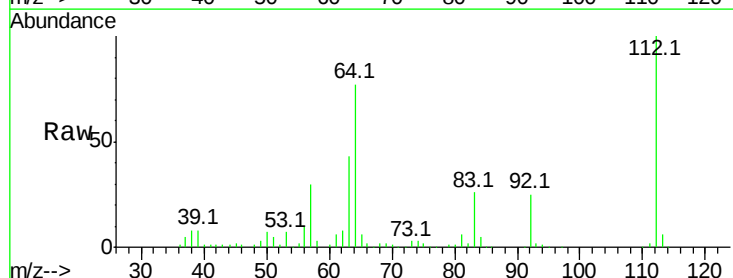
RT: 5.61 min Scan# 472

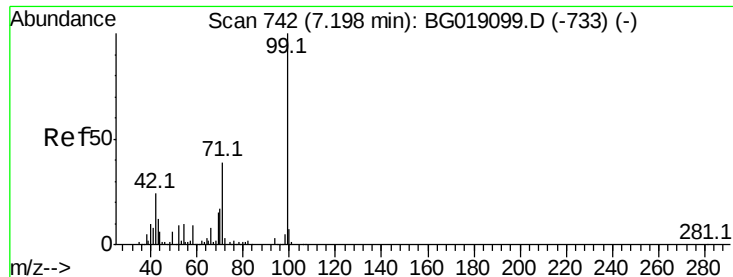
Delta R.T. 0.01 min

Lab File: BG019177.D

Acq: 13 Oct 2015 3:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 113401 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 76.6  | 59.0  | 88.4   |
| 63        | 43.3  | 34.7  | 52.1   |





#7

Phenol-d6

Concen: 140.05 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.00 min

Lab File: BG019177.D

Acq: 13 Oct 2015 3:26

Instrument :

BNA\_G

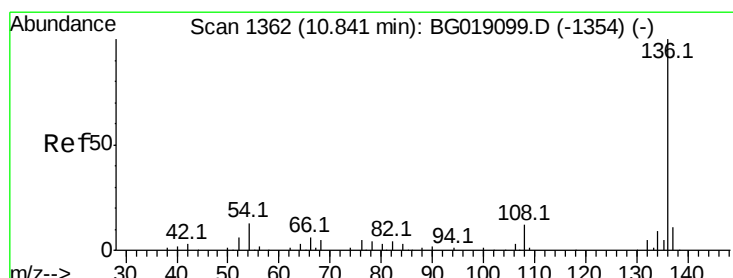
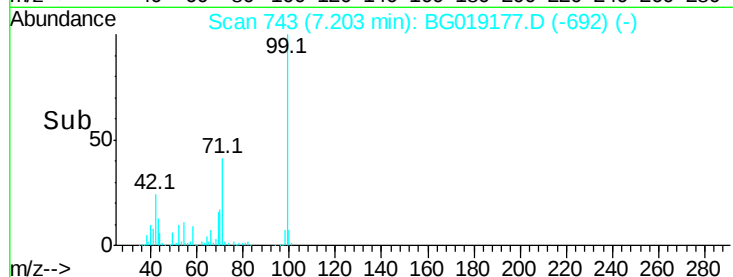
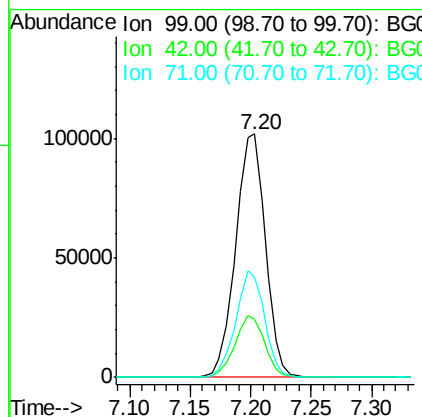
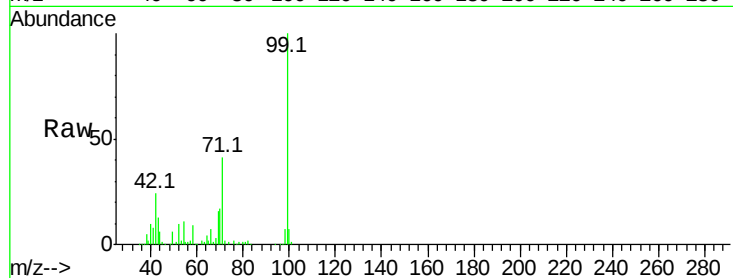
ClientSampleId :

LOD-WATER2015-01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 174816 |       |       |
| 42      | 23.9 | 19.5  | 29.3   |       |       |
| 71      | 40.9 | 31.4  | 47.0   |       |       |

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#21

Naphthalene-d8

Concen: 20.00 ng

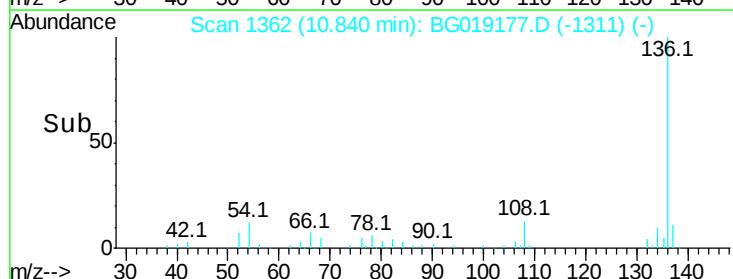
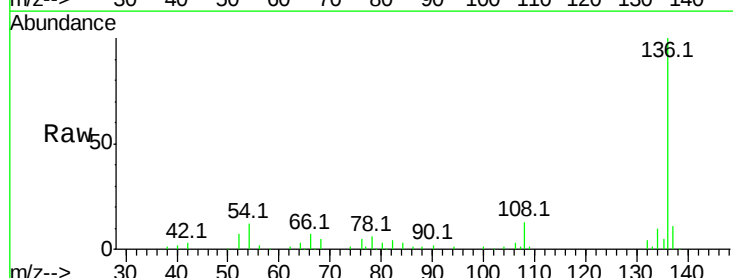
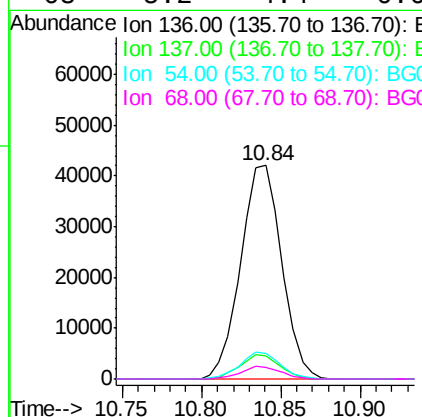
RT: 10.84 min Scan# 1362

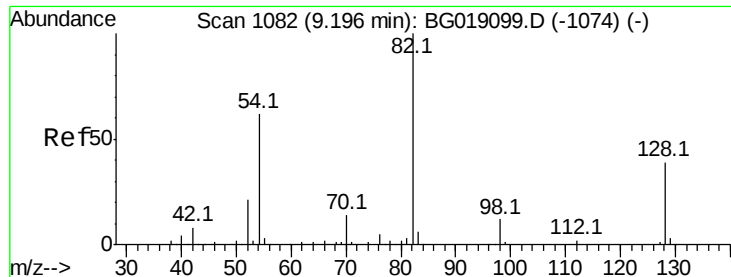
Delta R.T. -0.00 min

Lab File: BG019177.D

Acq: 13 Oct 2015 3:26

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 136     | 100  |       | 75763 |       |       |
| 137     | 10.6 | 9.0   | 13.4  |       |       |
| 54      | 12.3 | 10.1  | 15.1  |       |       |
| 68      | 5.2  | 4.4   | 6.6   |       |       |





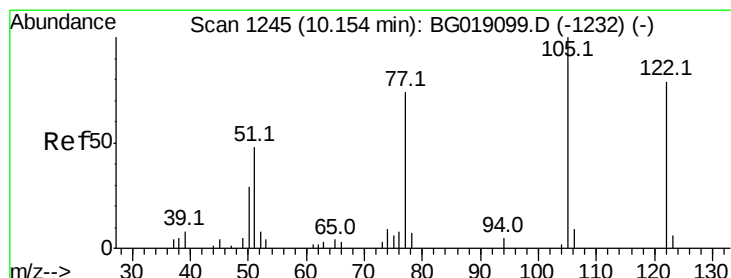
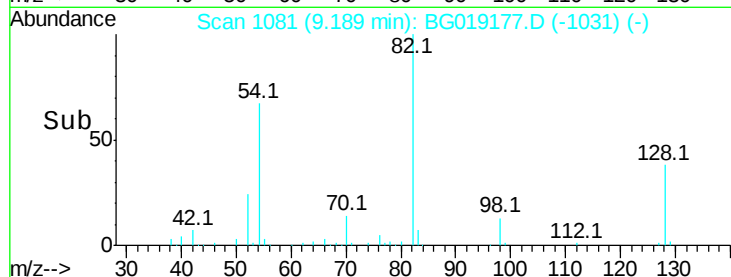
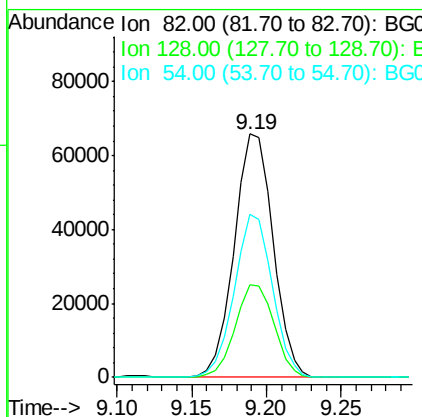
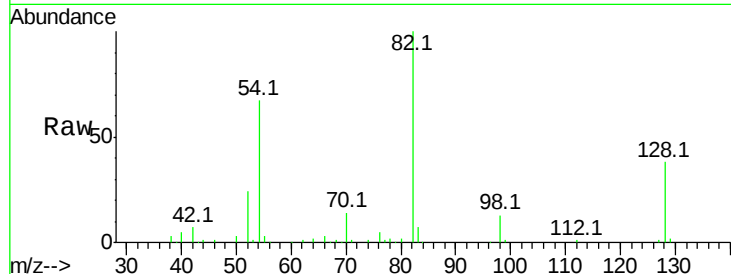
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 Nitrobenzene-d5  
 Concen: 86.93 ng  
 RT: 9.19 min Scan# 1081  
 Delta R.T. -0.01 min  
 Lab File: BG019177.D  
 Acq: 13 Oct 2015 3:26

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

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 119192 |       |       |
| 128     | 37.8  | 31.4   | 47.2  |       |
| 54      | 66.7  | 50.0   | 75.0  |       |

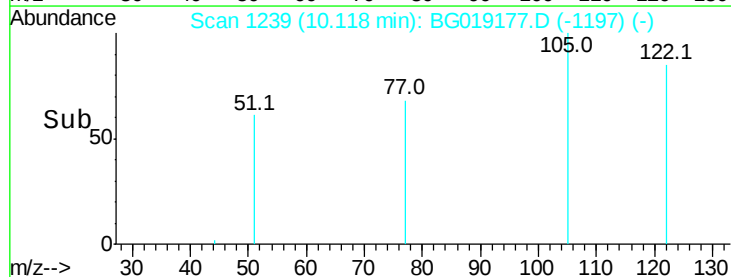
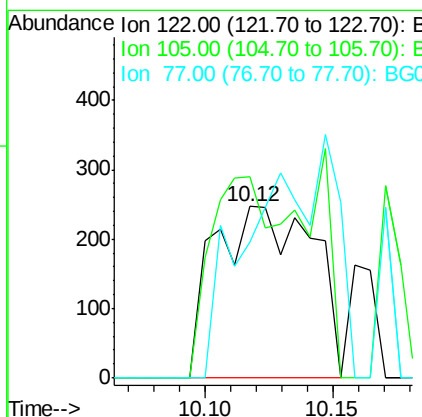
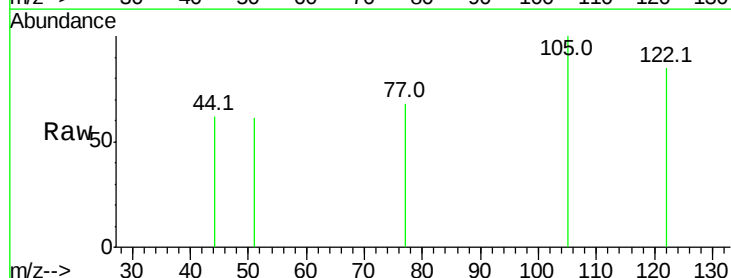
Manual Integrations  
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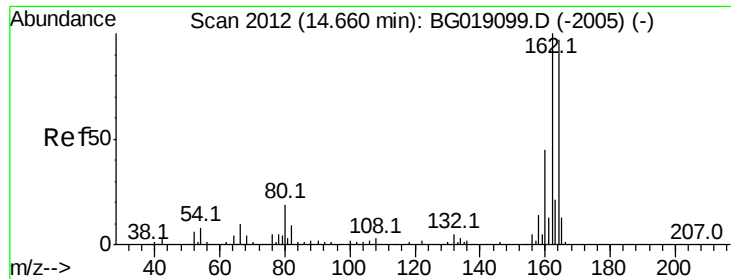
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#32  
 Benzoic acid  
 Concen: 8.61 ng m  
 RT: 10.12 min Scan# 1239  
 Delta R.T. -0.05 min  
 Lab File: BG019177.D  
 Acq: 13 Oct 2015 3:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 660   |       |       |
| 105     | 117.0 | 107.0 | 147.0 |       |
| 77      | 79.4  | 73.4  | 113.4 |       |





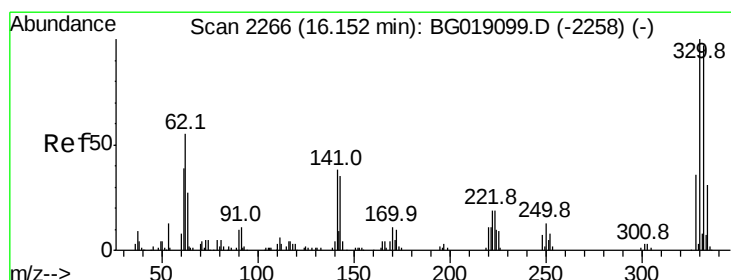
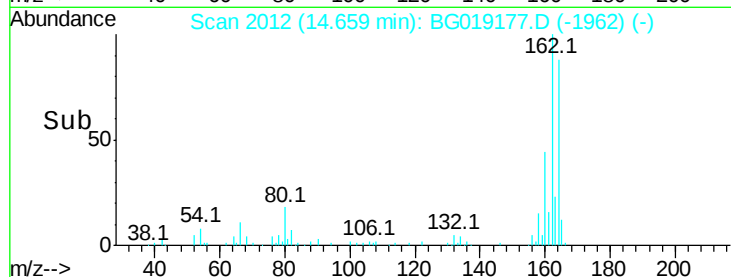
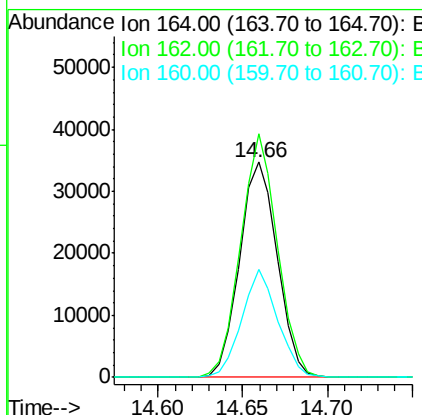
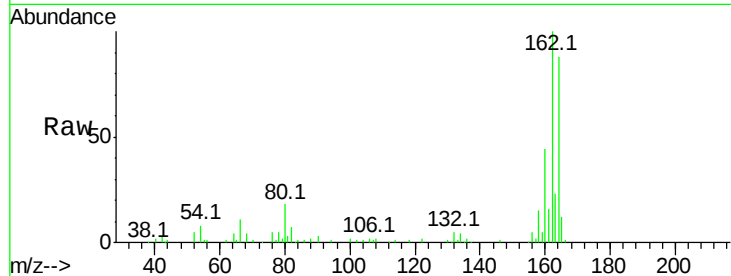
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.66 min Scan# 2012  
Delta R.T. -0.01 min  
Lab File: BG019177.D  
Acq: 13 Oct 2015 3:26

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

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 113.1 | 82.6 | 124.0 |       |
| 160     | 49.9  | 36.9 | 55.3  |       |

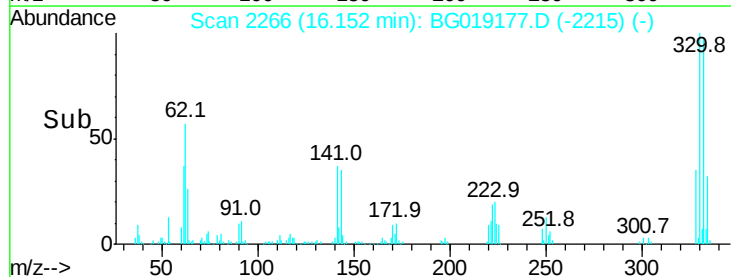
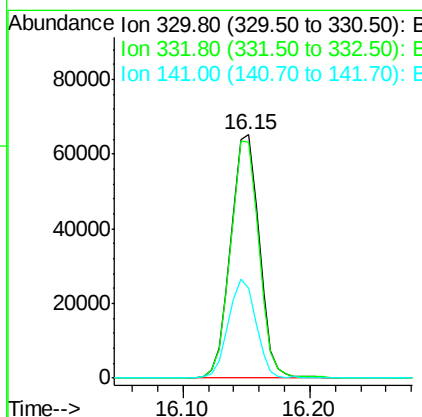
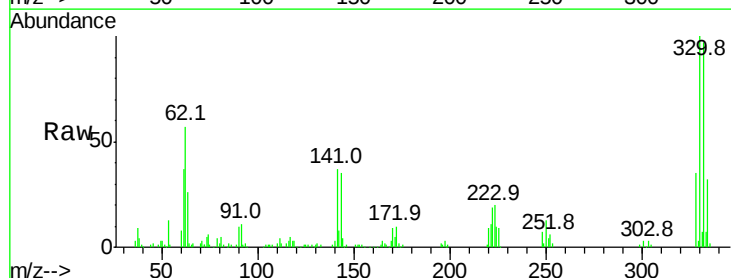
Manual Integrations  
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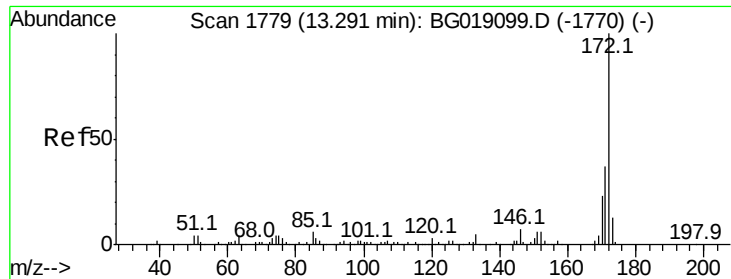
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#41  
2,4,6-Tribromophenol  
Concen: 138.20 ng  
RT: 16.15 min Scan# 2266  
Delta R.T. -0.00 min  
Lab File: BG019177.D  
Acq: 13 Oct 2015 3:26

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 97.1  | 77.3 | 115.9 |       |
| 141     | 39.5  | 30.7 | 46.1  |       |





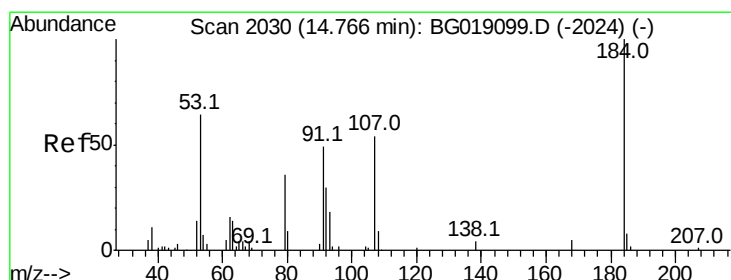
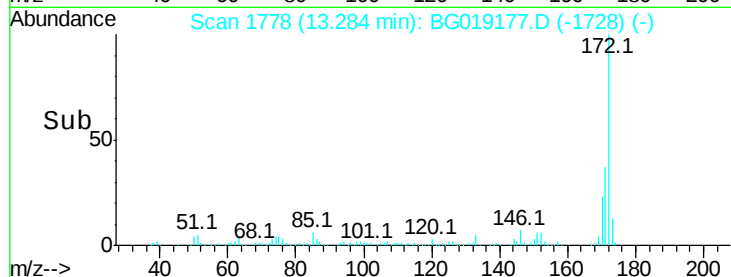
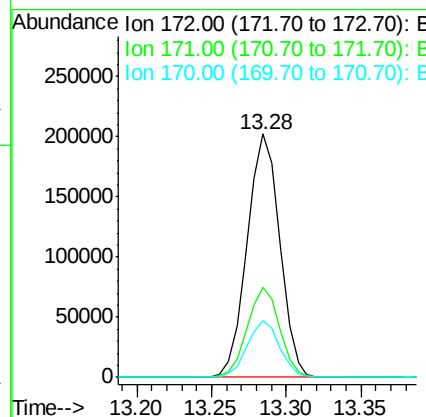
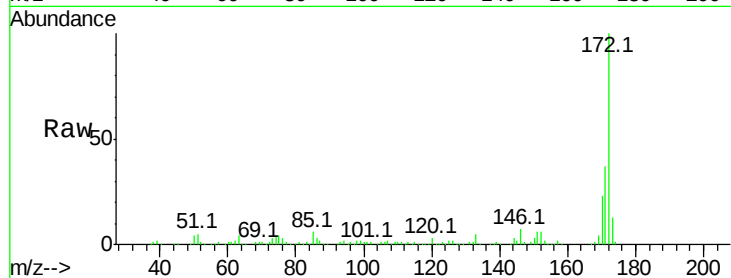
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2-Fluorobiphenyl  
Concen: 87.17 ng  
RT: 13.28 min Scan# 1778  
Delta R.T. -0.01 min  
Lab File: BG019177.D  
Acq: 13 Oct 2015 3:26

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

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.8  | 29.9 | 44.9  |       |
| 170     | 23.3  | 18.6 | 27.8  |       |

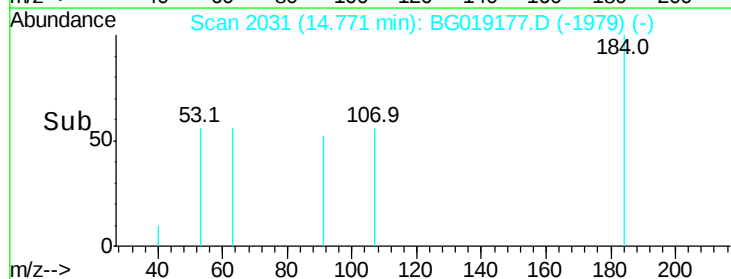
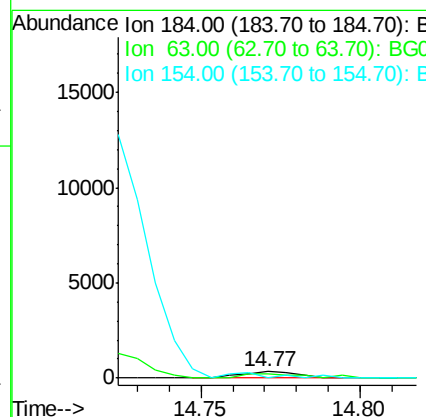
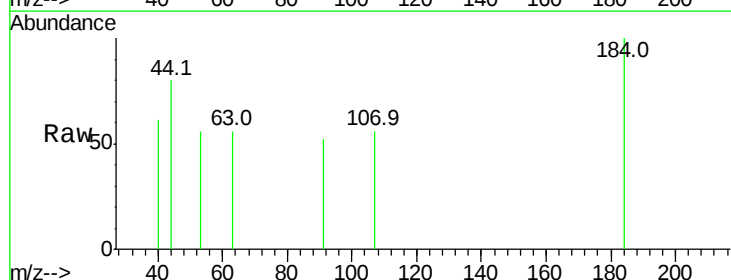
Manual Integrations  
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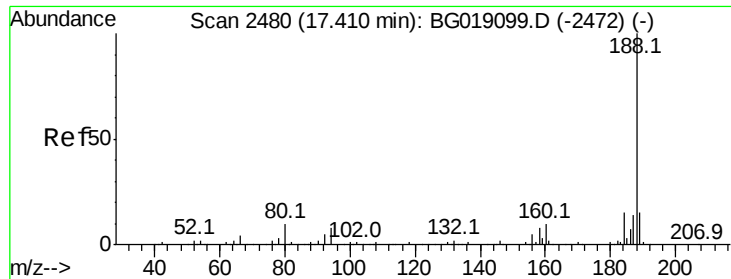
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#53  
2,4-Dinitrophenol  
Concen: 2.49 ng  
RT: 14.77 min Scan# 2031  
Delta R.T. 0.01 min  
Lab File: BG019177.D  
Acq: 13 Oct 2015 3:26

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 184     | 100   |      |        |       |
| 63      | 56.2  | 67.5 | 101.3# |       |
| 154     | 0.0   | 62.4 | 93.6#  |       |





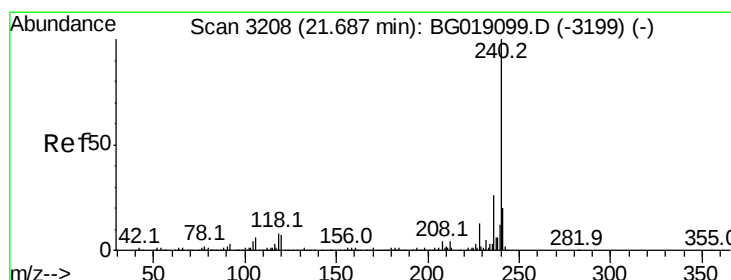
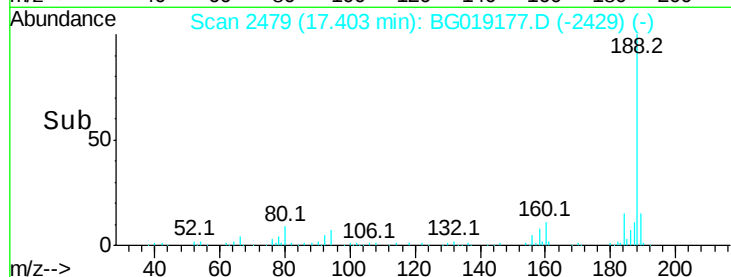
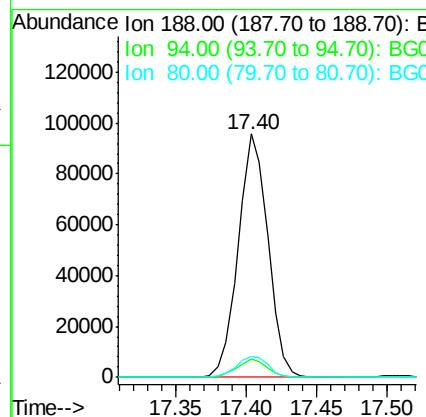
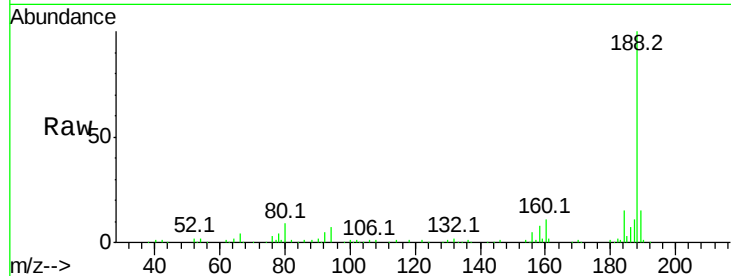
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.40 min Scan# 2479  
Delta R.T. -0.01 min  
Lab File: BG019177.D  
Acq: 13 Oct 2015 3:26

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

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 7.5   | 6.4        | 9.6   |
| 80      | 8.7   | 7.6        | 11.4  |

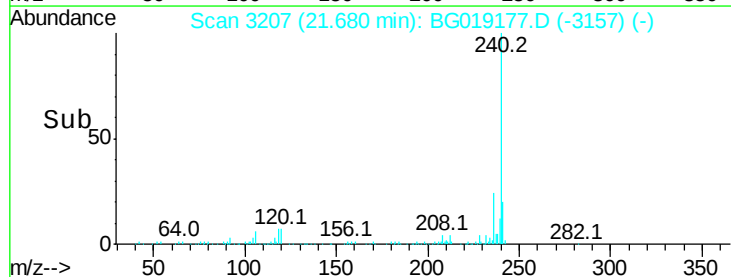
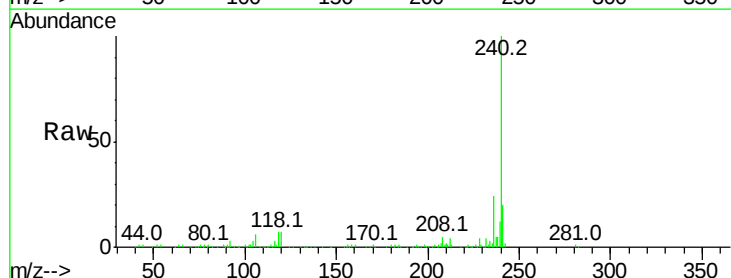
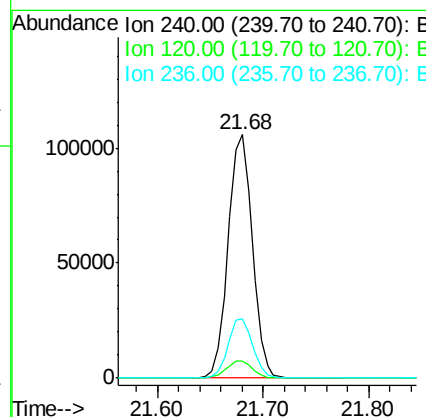
Manual Integrations  
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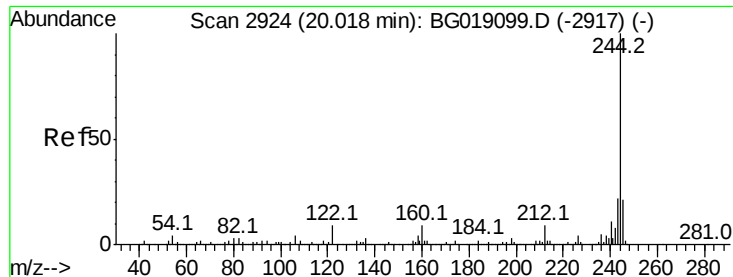
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10/13/2015 1:26:52 PM



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.68 min Scan# 3207  
Delta R.T. -0.01 min  
Lab File: BG019177.D  
Acq: 13 Oct 2015 3:26

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 6.9   | 5.8        | 8.6   |
| 236     | 24.5  | 21.2       | 31.8  |





#78

Terphenyl-d14

Concen: 86.15 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BG019177.D

Acq: 13 Oct 2015 3:26

Instrument :

BNA\_G

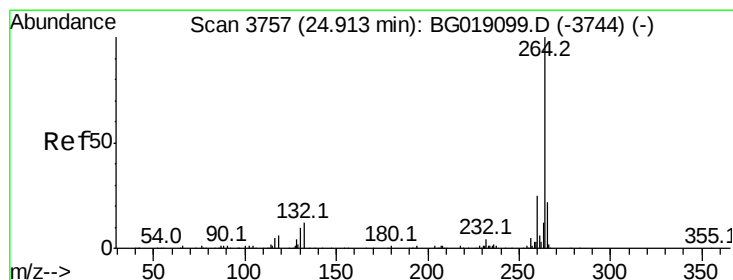
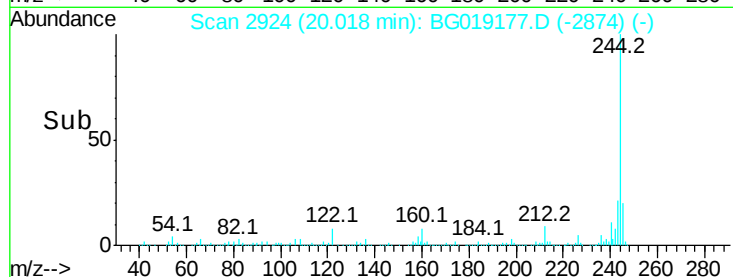
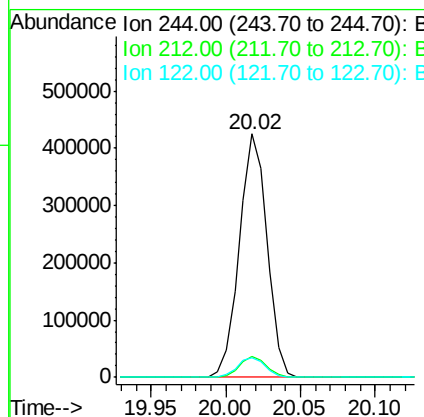
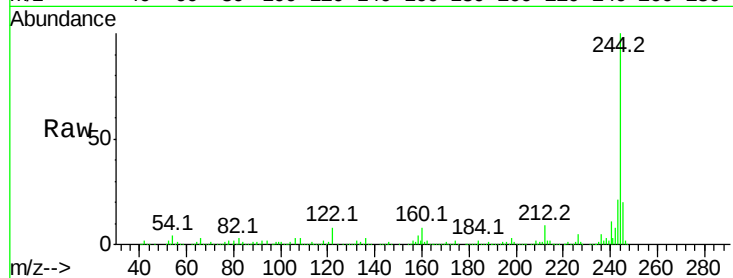
ClientSampleId :

LOD-WATER2015-01

|           |     |       |        |
|-----------|-----|-------|--------|
| Tot Ion:  | 244 | Resp: | 547958 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 8.6 | 6.8   | 10.2   |
| 122       | 8.3 | 7.4   | 11.2   |

Manual Integrations  
APPROVED

MMdadoda  
10/13/2015 1:26:52 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.91 min Scan# 3756

Delta R.T. -0.01 min

Lab File: BG019177.D

Acq: 13 Oct 2015 3:26

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 264  | Resp: | 162787 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.7 | 20.1  | 30.1   |
| 265       | 20.9 | 17.2  | 25.8   |

