

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\  
 Data File : BG043670.D  
 Acq On : 16 Nov 2019 3:39  
 Operator : JU  
 Sample : K5837-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EFF-WW

Manual Integrations  
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11/18/2019 3:07:20 PM

Quant Time: Nov 18 07:06:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 04 15:22:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 28789    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.80 | 136  | 108310   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.62 | 164  | 79004    | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.37 | 188  | 180267   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.64 | 240  | 206677   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.81 | 264  | 238996   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 89562    | 57.01  | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 93180    | 41.22  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 181736   | 86.50  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 132581   | 88.18  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.25 | 172  | 521672   | 91.24  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.99 | 244  | 958041   | 86.96  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.23  | 94   | 31322    | 15.164 | ng    | 95       |
| 20) 3+4-Methylphenols       | 8.79  | 107  | 4787     | 2.318  | ng    | 93       |
| 32) Benzoic acid            | 10.50 | 122  | 50341m   | 47.682 | ng    |          |
| 50) Dimethylphthalate       | 14.07 | 163  | 74164    | 12.119 | ng    | 99       |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\  
Data File : BG043670.D  
Acq On : 16 Nov 2019 3:39  
Operator : JU  
Sample : K5837-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

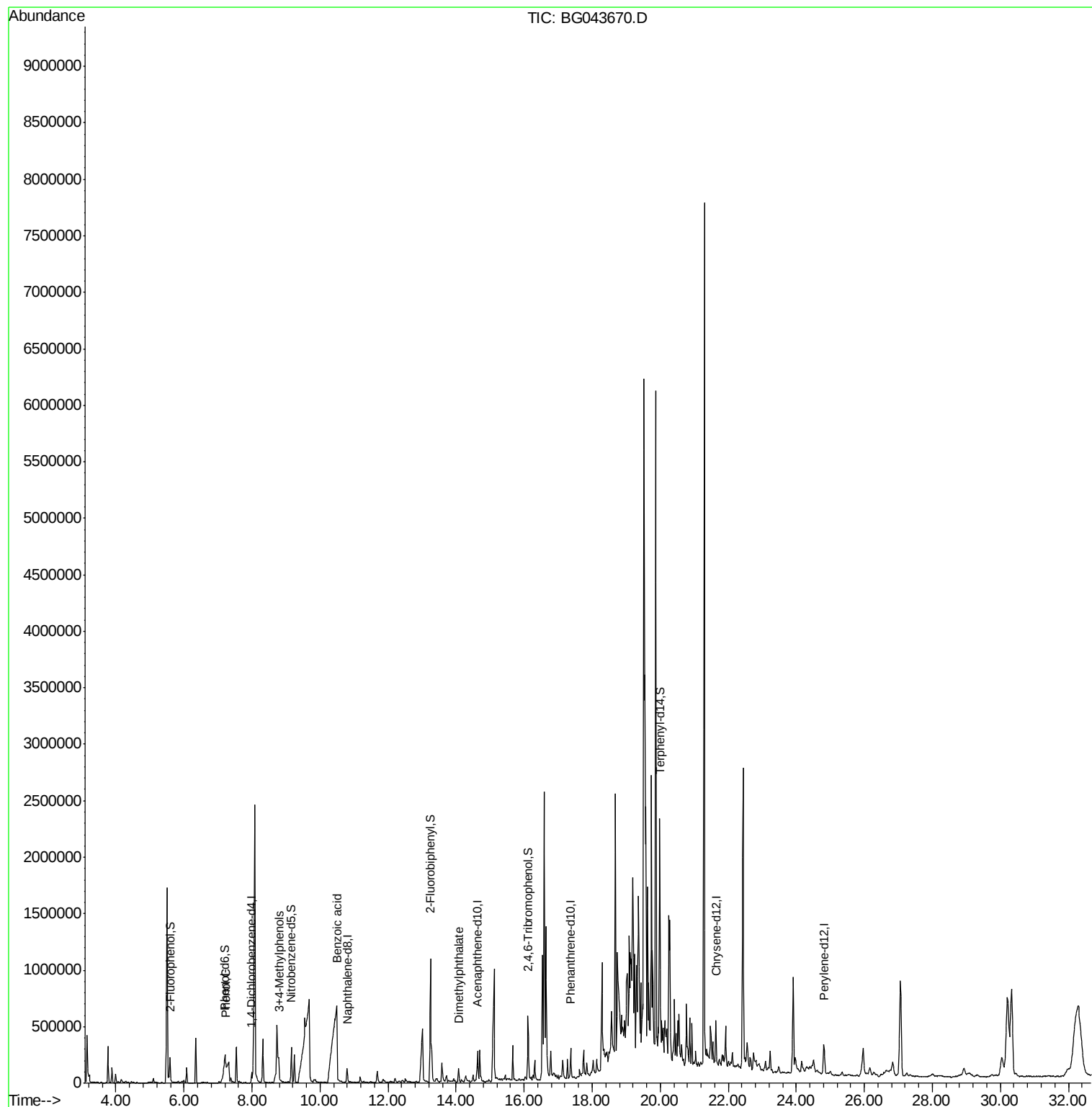
Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

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Quant Time: Nov 18 07:06:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 04 15:22:15 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

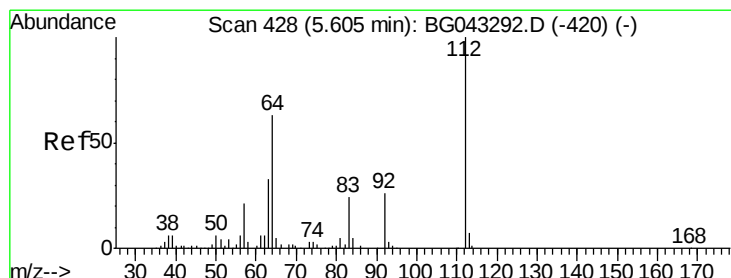
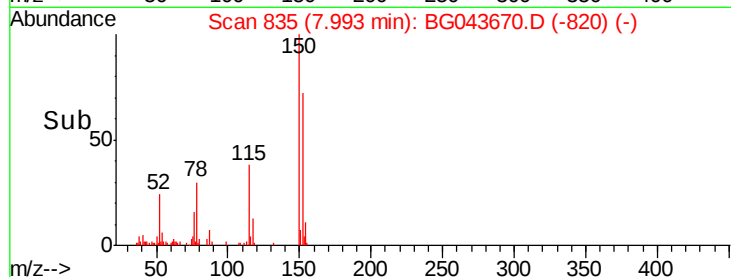
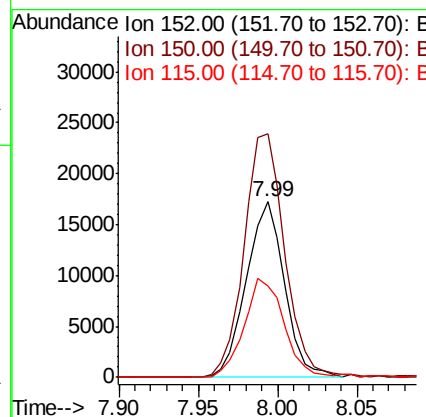
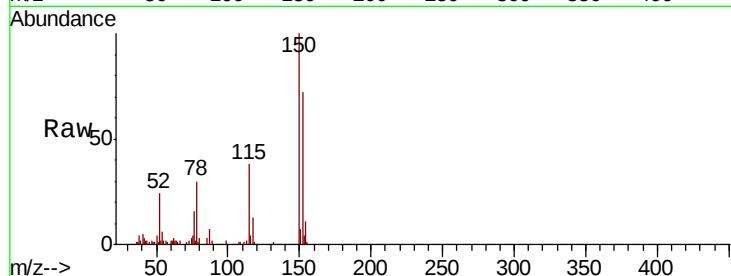
Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 138.9 | 129.4 | 194.0 |
| 115     | 52.4  | 48.8  | 73.2  |

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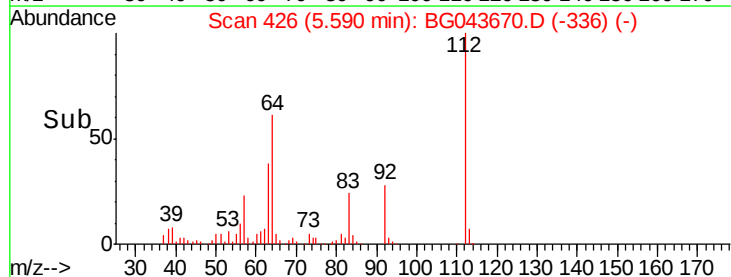
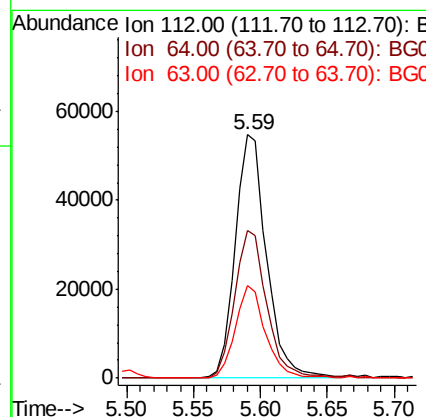
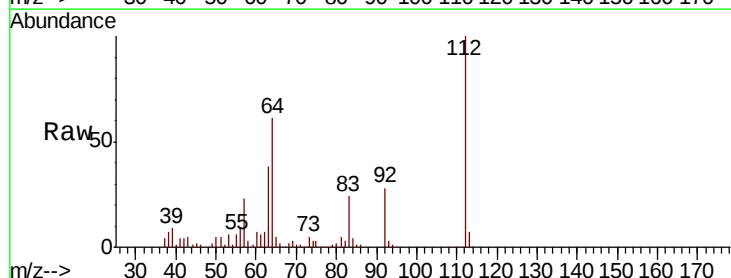
11/18/2019 3:07:20 PM

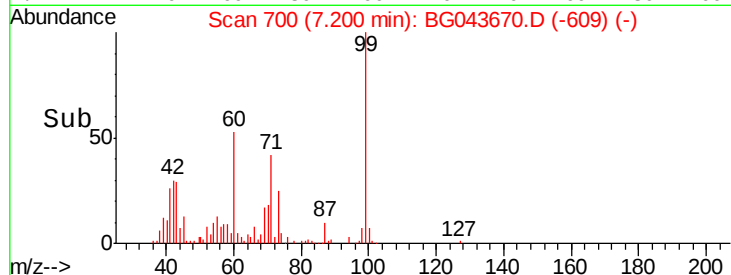
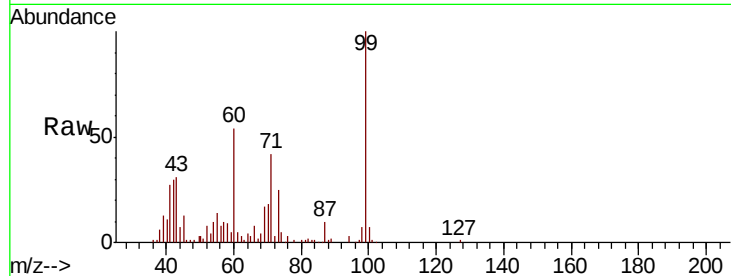


#5

2-Fluorophenol  
Concen: 57.007 ng  
RT: 5.59 min Scan# 426  
Delta R.T. -0.00 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.6  | 50.0  | 75.0  |
| 63      | 38.0  | 26.6  | 40.0  |





#7

Phenol-d6

Concen: 41.223 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043670.D

Acq: 16 Nov 2019 3:39

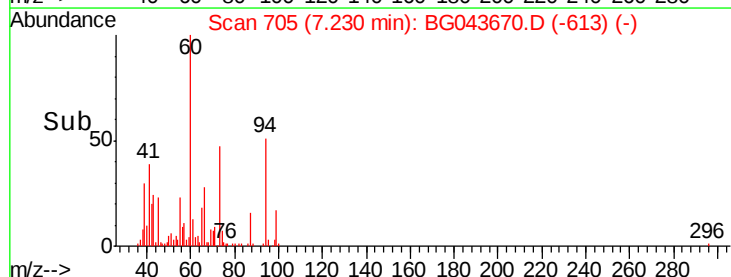
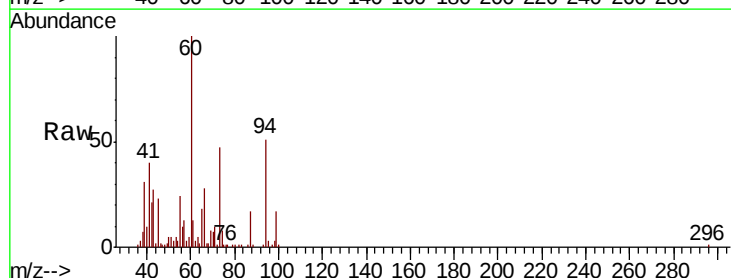
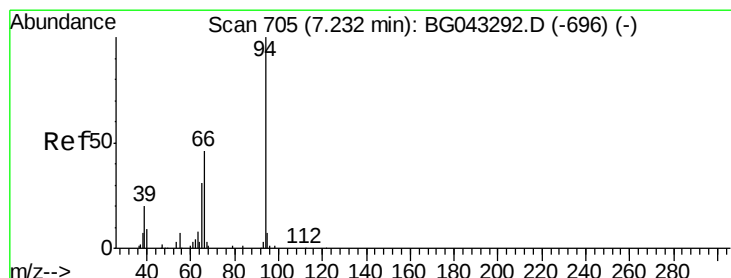
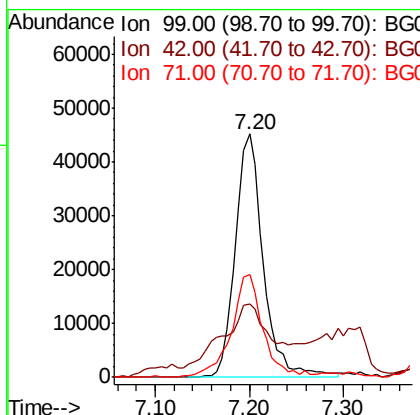
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 93180 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 30.3  | 14.6  | 21.8# |
| 71        | 42.3  | 32.5  | 48.7  |

Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

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#10

Phenol

Concen: 15.164 ng

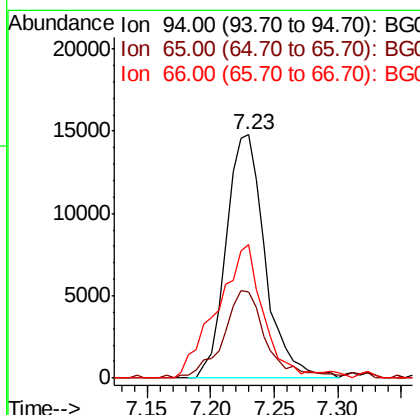
RT: 7.23 min Scan# 705

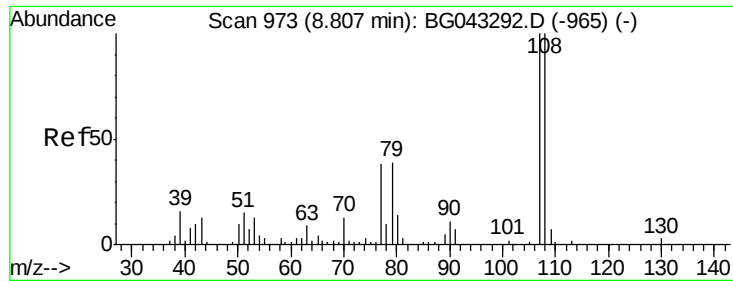
Delta R.T. 0.01 min

Lab File: BG043670.D

Acq: 16 Nov 2019 3:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 31322 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 35.2  | 12.6  | 52.6  |
| 66        | 54.8  | 30.7  | 70.7  |





#20  
 3+4-Methylphenols  
 Concen: 2.318 ng  
 RT: 8.79 min Scan# 971  
 Delta R.T. -0.01 min  
 Lab File: BG043670.D  
 Acq: 16 Nov 2019 3:39

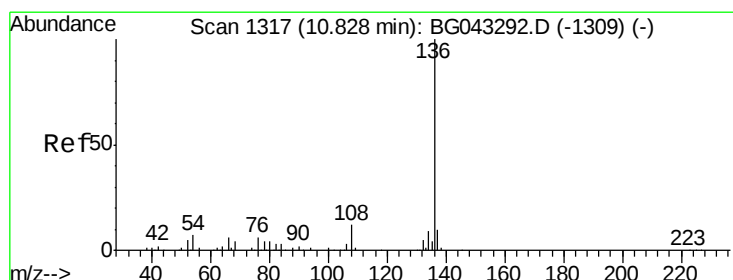
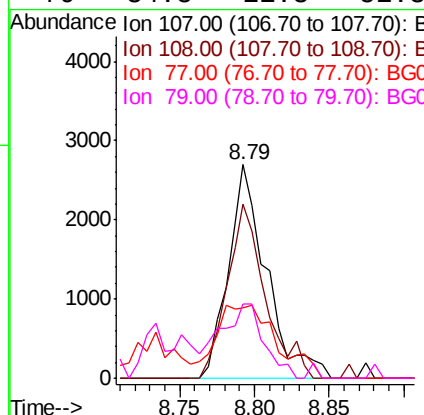
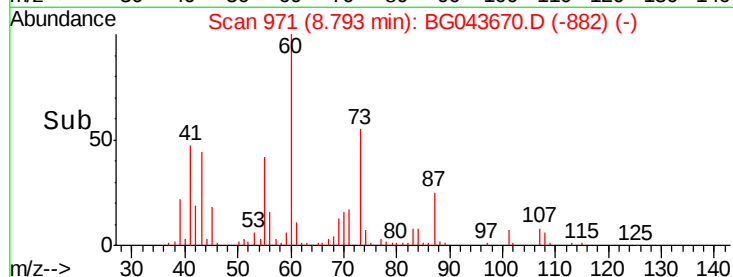
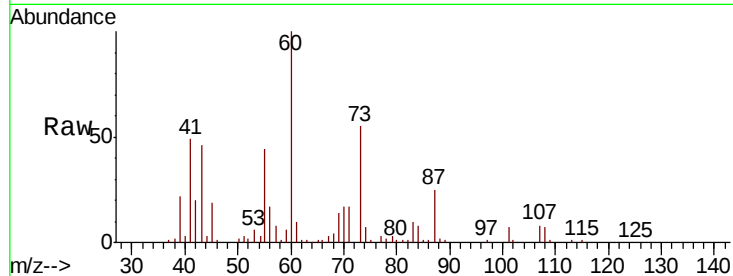
Instrument :  
 BNA\_G  
 ClientSampled :  
 EFF-WW

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 4787  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 81.8  | 66.6  | 106.6 |
| 77       | 32.8  | 20.9  | 60.9  |
| 79       | 34.8  | 11.3  | 51.3  |

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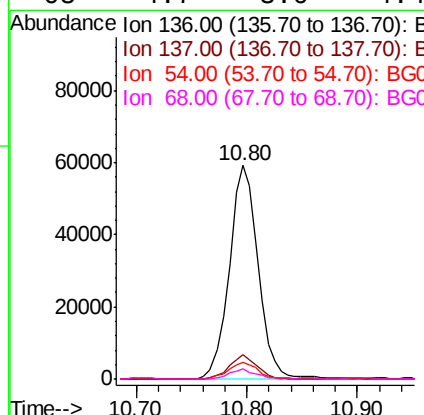
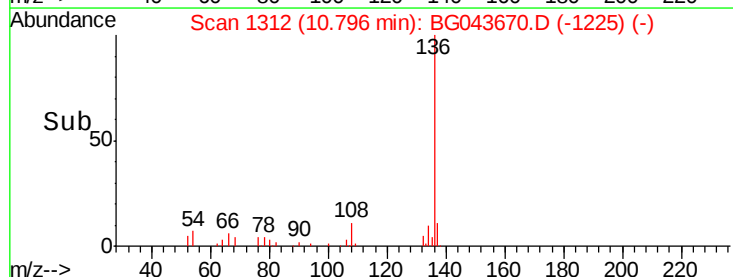
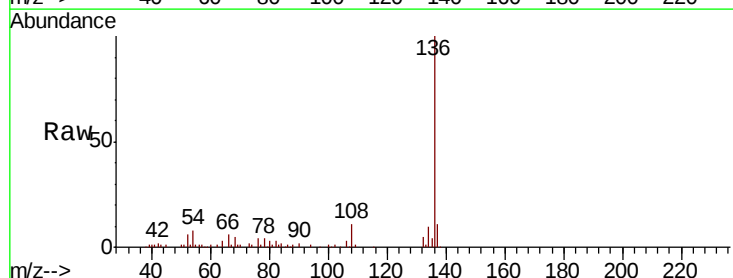
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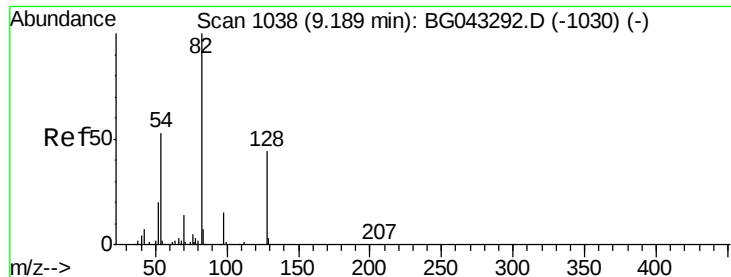
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#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.80 min Scan# 1312  
 Delta R.T. -0.02 min  
 Lab File: BG043670.D  
 Acq: 16 Nov 2019 3:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 108310 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.7   | 13.1   |
| 54       | 7.8   | 5.4   | 8.2    |
| 68       | 4.7   | 3.0   | 4.4#   |





#23  
Nitrobenzene-d5  
Concen: 86.505 ng  
RT: 9.16 min Scan# 1033  
Delta R.T. -0.02 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

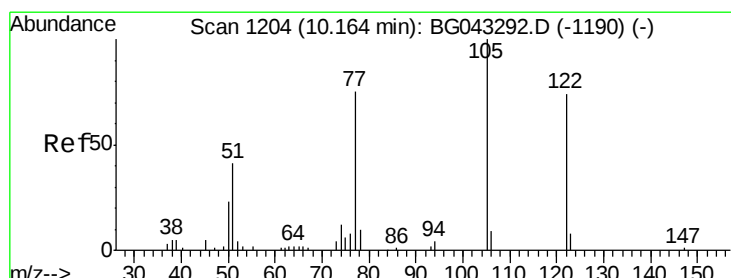
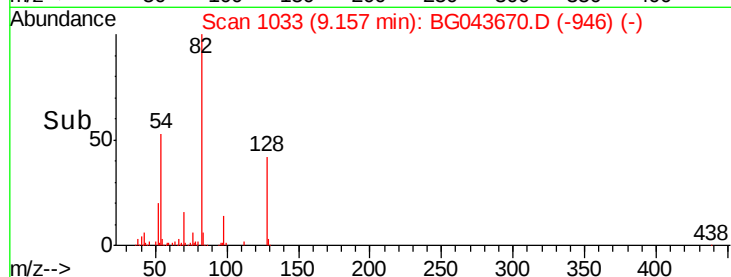
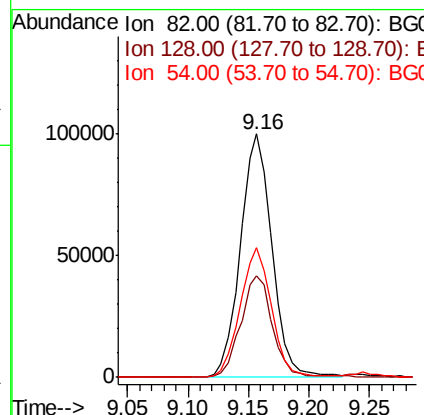
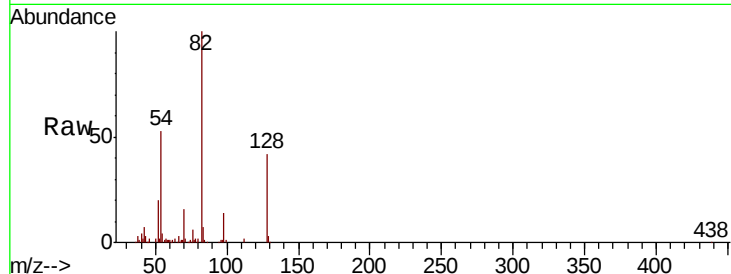
Instrument :  
BNA\_G  
ClientSampled :  
EFF-WW

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 41.6  | 35.0 | 52.6  |       |
| 54      | 53.3  | 40.2 | 60.2  |       |

Manual Integrations  
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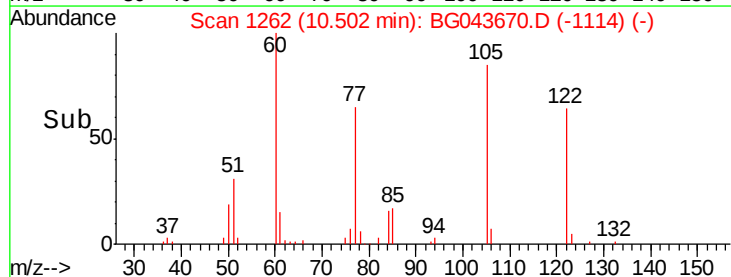
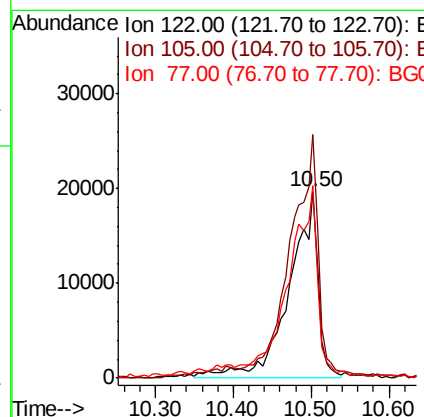
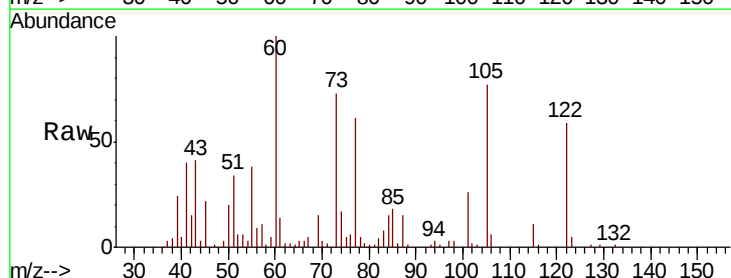
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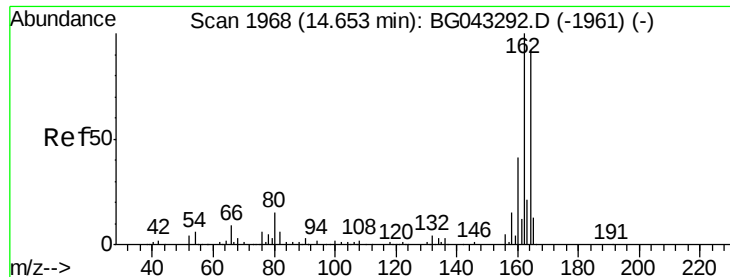
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#32  
Benzoic acid  
Concen: 47.682 ng m  
RT: 10.50 min Scan# 1262  
Delta R.T. 0.34 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 130.8 | 103.3 | 143.3 |       |
| 77      | 103.3 | 84.9  | 124.9 |       |





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.62 min Scan# 1963  
Delta R.T. -0.02 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

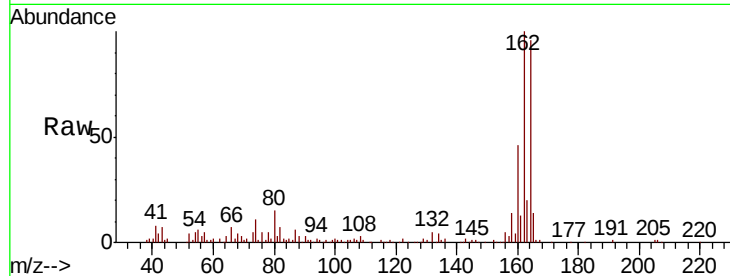
Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 83.5  | 125.3 |
| 160     | 47.4  | 36.5  | 54.7  |

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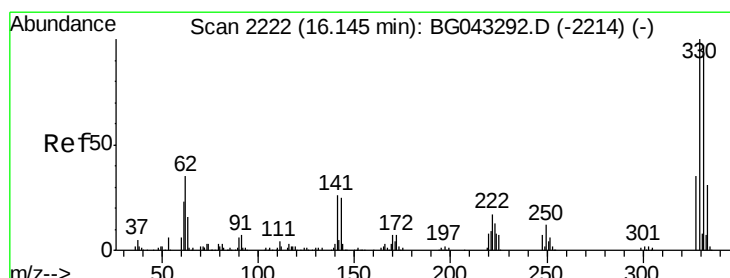
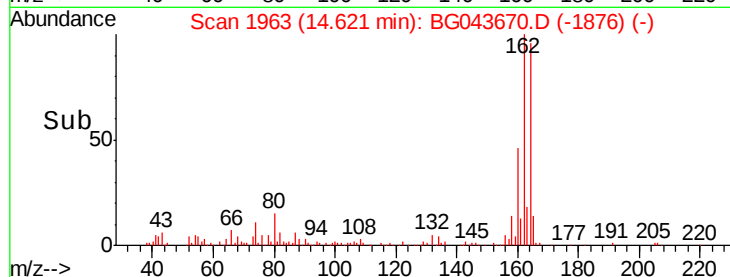
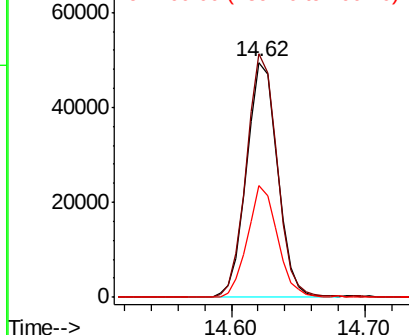


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42  
2,4,6-Tribromophenol  
Concen: 88.185 ng  
RT: 16.12 min Scan# 2218  
Delta R.T. -0.01 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

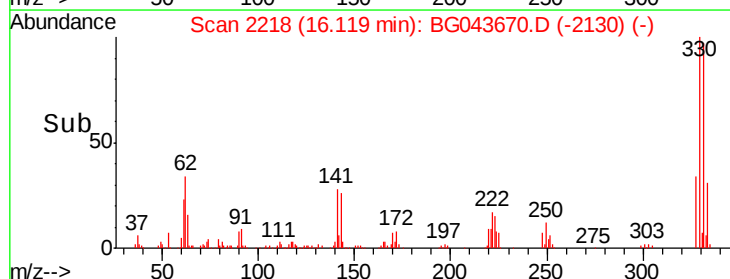
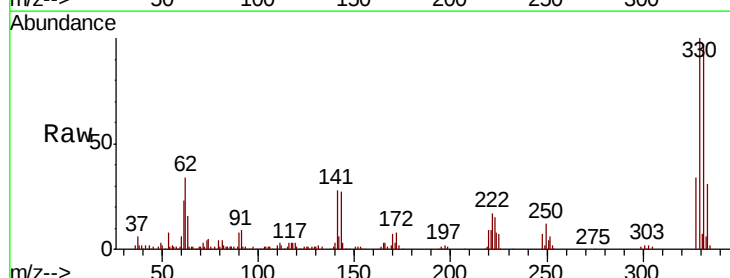
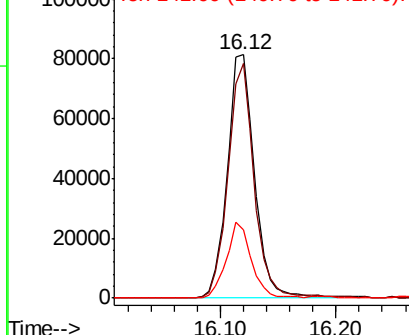
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.4  | 77.4  | 116.0 |
| 141     | 28.7  | 22.8  | 34.2  |

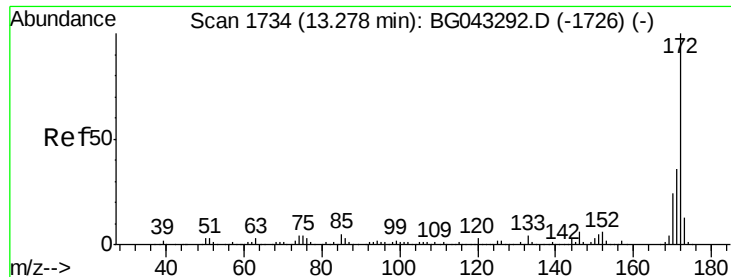
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45  
2-Fluorobiphenyl  
Concen: 91.242 ng  
RT: 13.25 min Scan# 1729  
Delta R.T. -0.02 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

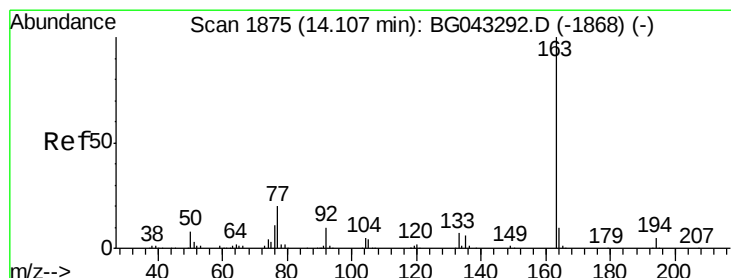
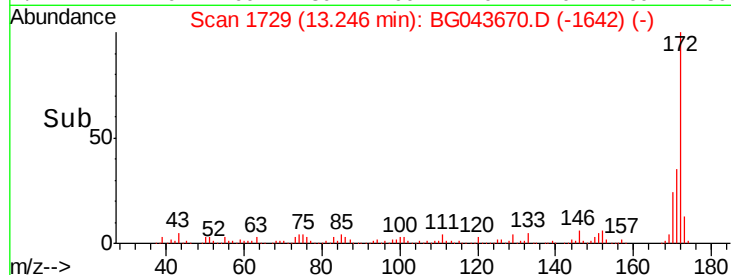
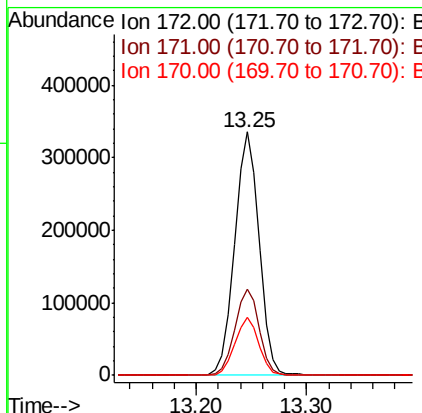
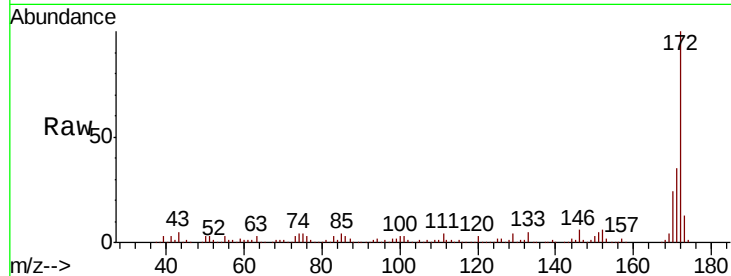
Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 172     | 100   |            |       |
| 171     | 35.2  | 28.9       | 43.3  |
| 170     | 24.1  | 18.5       | 27.7  |

Manual Integrations  
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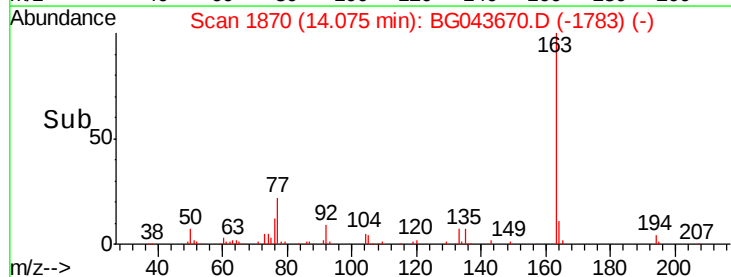
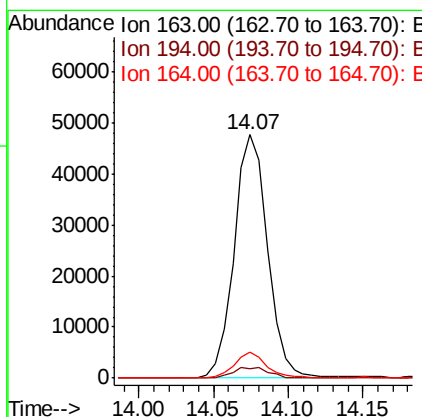
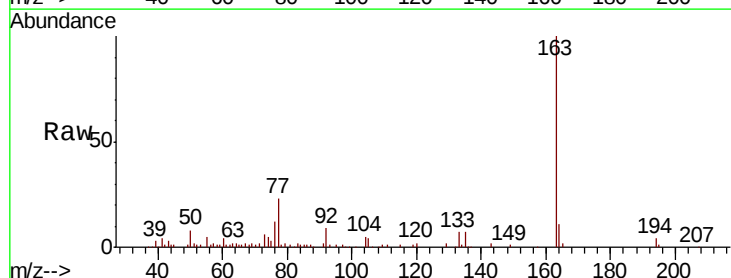
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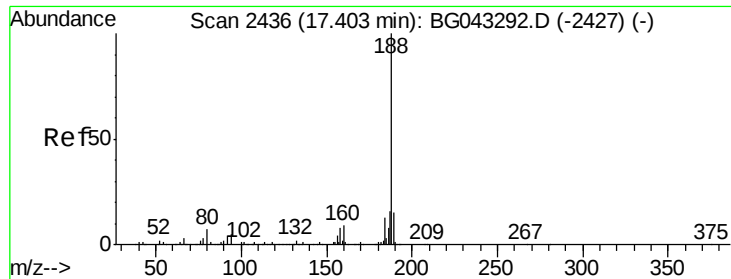
11/18/2019 3:07:20 PM



#50  
Dimethylphthalate  
Concen: 12.119 ng  
RT: 14.07 min Scan# 1870  
Delta R.T. -0.02 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 3.9   | 3.8        | 5.6   |
| 164     | 10.8  | 8.9        | 13.3  |





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.37 min Scan# 2431  
Delta R.T. -0.02 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

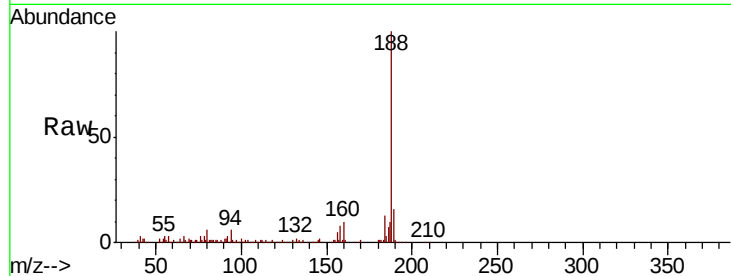
Instrument :  
BNA\_G  
ClientSampled :  
EFF-WW

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 6.0   | 4.2        | 6.4   |
| 80      | 6.4   | 4.5        | 6.7   |

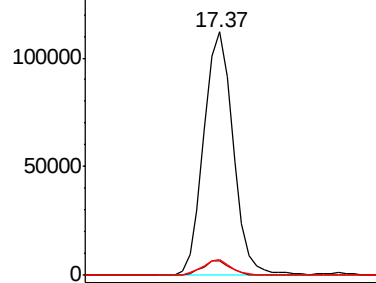
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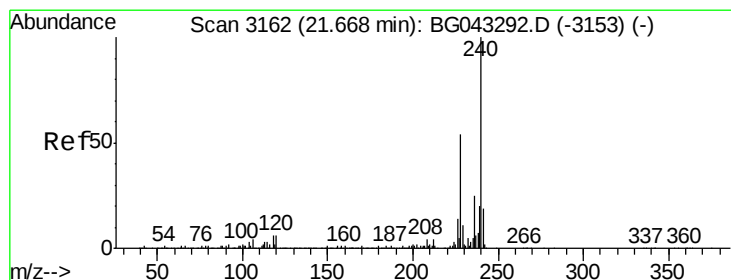
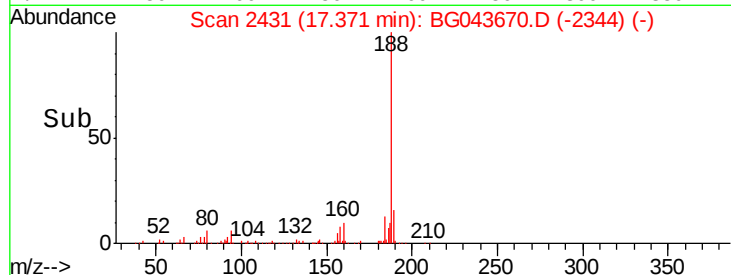
11/18/2019 3:07:20 PM



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC



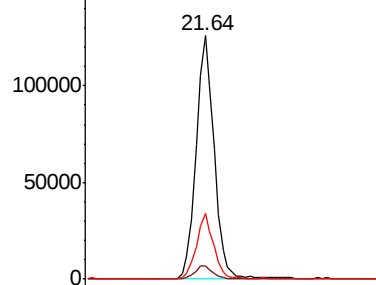
Time-->



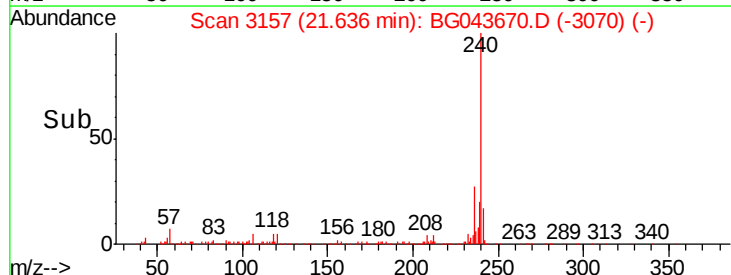
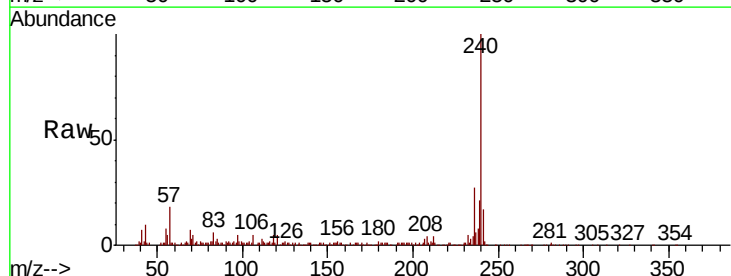
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.64 min Scan# 3157  
Delta R.T. -0.02 min  
Lab File: BG043670.D  
Acq: 16 Nov 2019 3:39

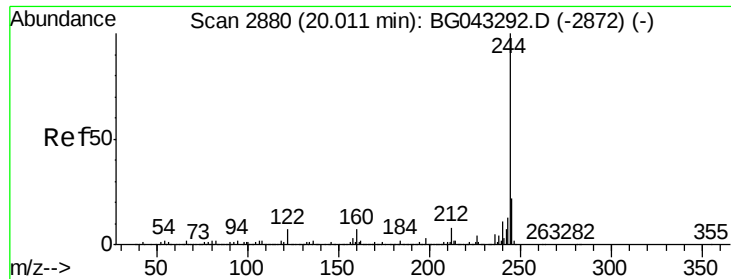
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 5.3   | 4.6        | 6.8   |
| 236     | 27.1  | 19.8       | 29.8  |

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



Time-->





#79  
 Terphenyl-d14  
 Concen: 86.964 ng  
 RT: 19.99 min Scan# 2876  
 Delta R.T. -0.01 min  
 Lab File: BG043670.D  
 Acq: 16 Nov 2019 3:39

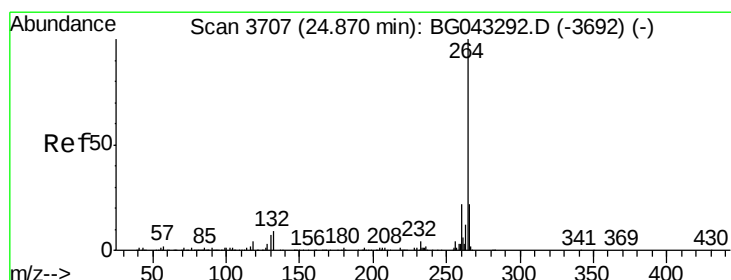
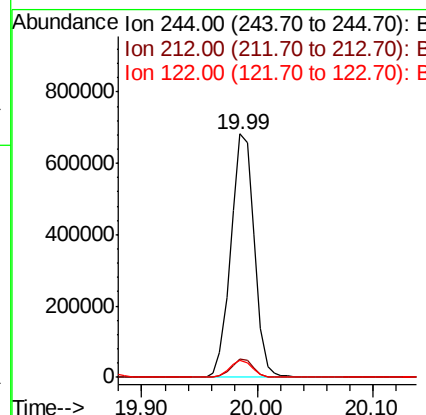
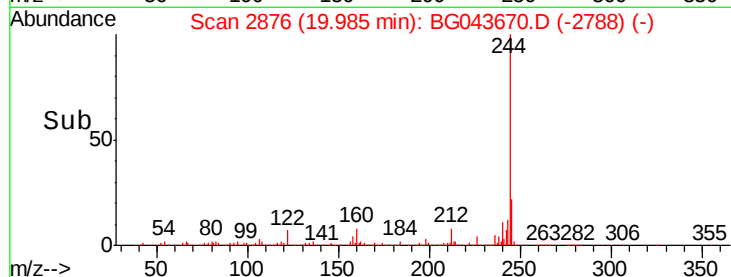
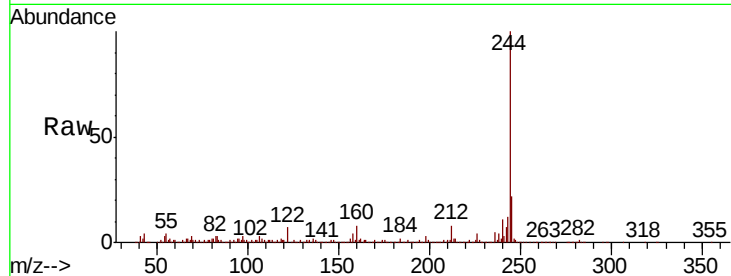
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EFF-WW

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 958041 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.6   | 5.8   | 8.6    |
| 122       | 7.0   | 5.4   | 8.2    |

Manual Integrations  
 APPROVED

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#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.81 min Scan# 3698  
 Delta R.T. -0.04 min  
 Lab File: BG043670.D  
 Acq: 16 Nov 2019 3:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 238996 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 21.8  | 17.5  | 26.3   |
| 265       | 20.1  | 17.4  | 26.0   |

