

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
 Data File : BG034061.D  
 Acq On : 28 Apr 2018 6:26  
 Operator : SJ/JU  
 Sample : J2571-14  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 042418-JETB-E-U-M

Manual Integrations  
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 4/30/2018 7:03:25 PM

Quant Time: Apr 30 04:43:40 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 34590    | 20.00  | ng    | -0.07    |
| 21) Naphthalene-d8          | 10.54 | 136  | 229824   | 20.00  | ng    | -0.08    |
| 38) Acenaphthene-d10        | 14.39 | 164  | 192037   | 20.00  | ng    | -0.09    |
| 63) Phenanthrene-d10        | 17.15 | 188  | 518727   | 20.00  | ng    | -0.08    |
| 75) Chrysene-d12            | 21.39 | 240  | 581734   | 20.00  | ng    | -0.10    |
| 86) Perylene-d12            | 24.39 | 264  | 575618   | 20.00  | ng    | -0.17    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 84269    | 38.90  | ng    | -0.07    |
| 7) Phenol-d6                | 6.98  | 99   | 86772m   | 27.46  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.91  | 82   | 337461   | 83.56  | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 15.89 | 330  | 258524   | 115.39 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 13.01 | 172  | 1297047  | 99.22  | ng    | -0.09    |
| 78) Terphenyl-d14           | 19.78 | 244  | 2504436  | 96.72  | ng    | -0.08    |

Target Compounds Qvalue

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

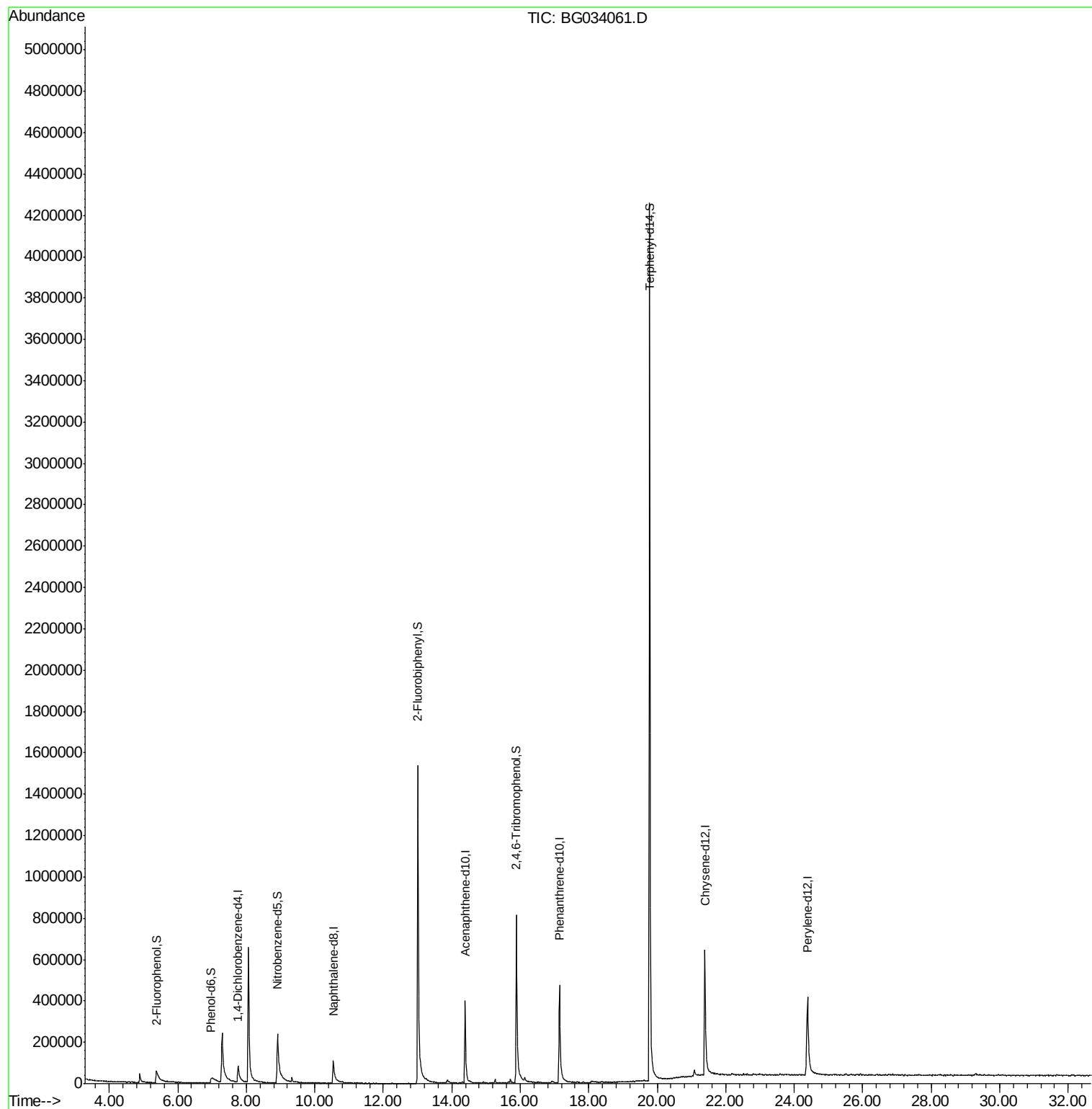
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
Data File : BG034061.D  
Acq On : 28 Apr 2018 6:26  
Operator : SJ/JU  
Sample : J2571-14  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

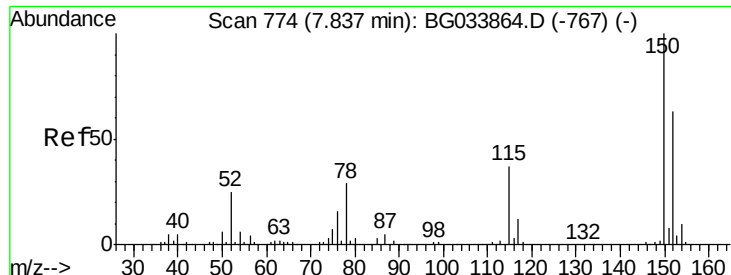
Instrument :  
BNA\_G  
ClientSampleId :  
042418-JETB-E-U-M

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Quant Time: Apr 30 04:43:40 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 19 13:56:22 2018  
Response via : Initial Calibration





#1

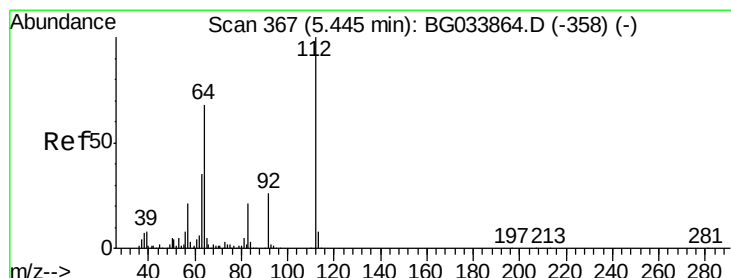
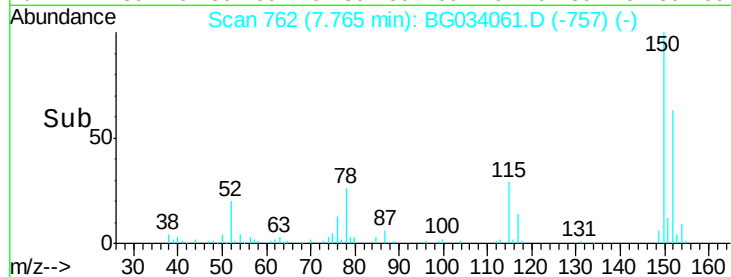
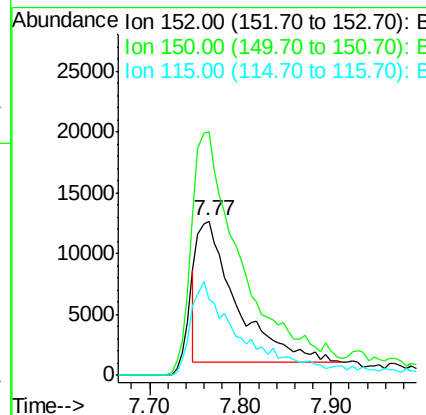
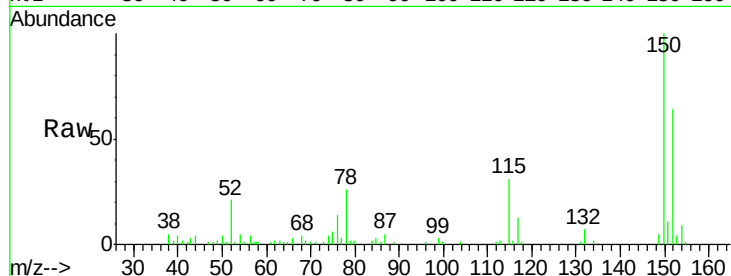
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.77 min Scan# 762  
Delta R.T. -0.07 min  
Lab File: BG034061.D  
Acq: 28 Apr 2018 6:26

Instrument :  
BNA\_G  
ClientSampleId :  
042418-JETB-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 126.6 | 189.8 |
| 115     | 49.1  | 53.0  | 79.4  |

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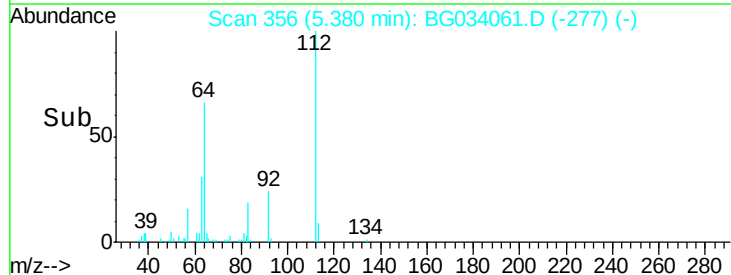
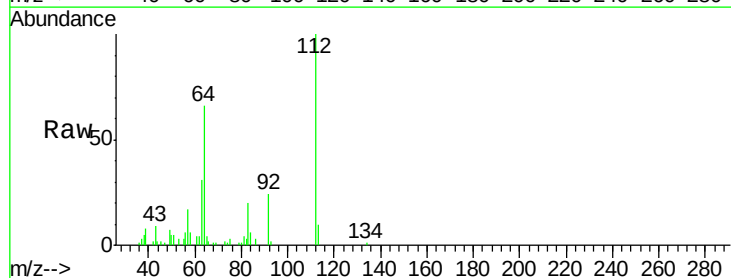
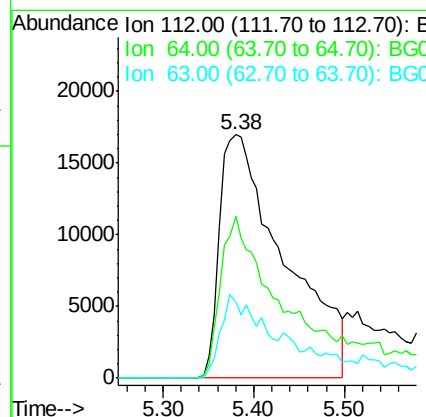
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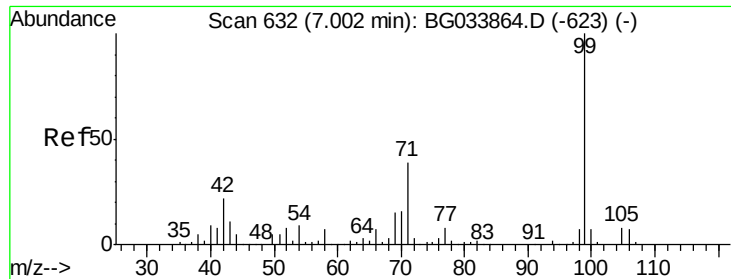


#5

2-Fluorophenol  
Concen: 38.895 ng  
RT: 5.38 min Scan# 356  
Delta R.T. -0.07 min  
Lab File: BG034061.D  
Acq: 28 Apr 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.2  | 56.3  | 84.5  |
| 63      | 31.2  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 27.459 ng/mL

RT: 6.98 min Scan# 628

Delta R.T. -0.02 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA\_G

ClientSampleId :

042418-JETB-E-U-M

Tot Ion: 99 Resp: 86772

Ion Ratio Lower Upper

99 100

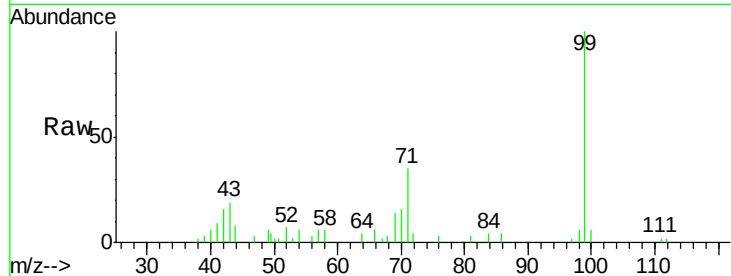
42 15.9 14.1 21.1

71 35.1 26.1 39.1

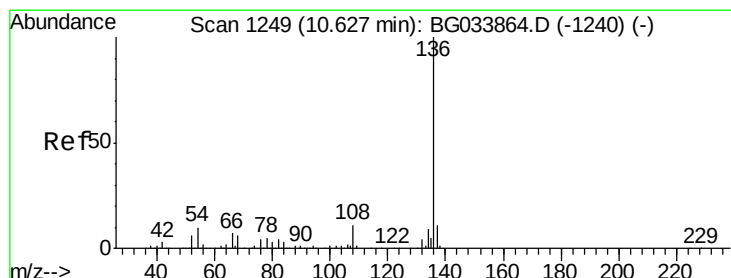
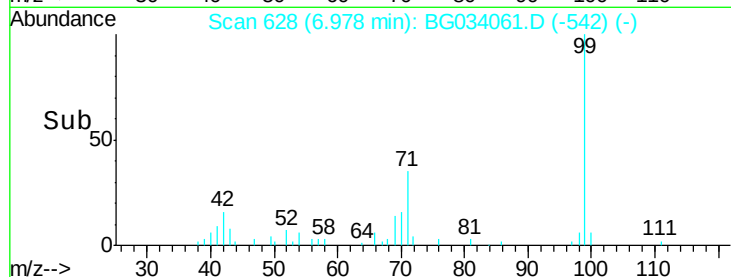
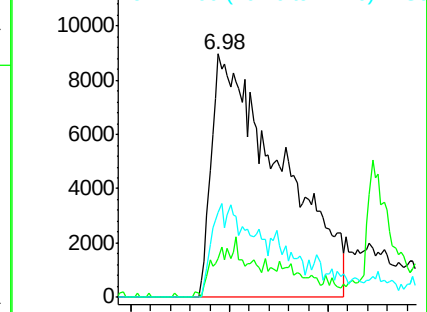
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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1235

Delta R.T. -0.08 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Tgt Ion: 136 Resp: 229824

Ion Ratio Lower Upper

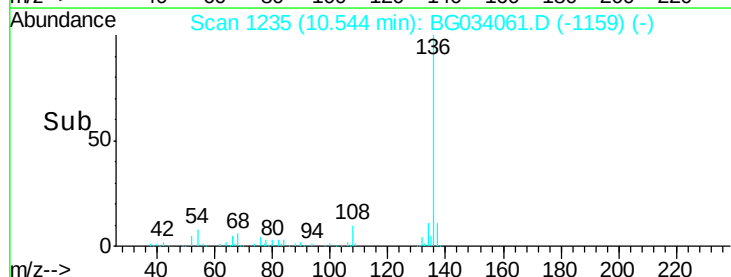
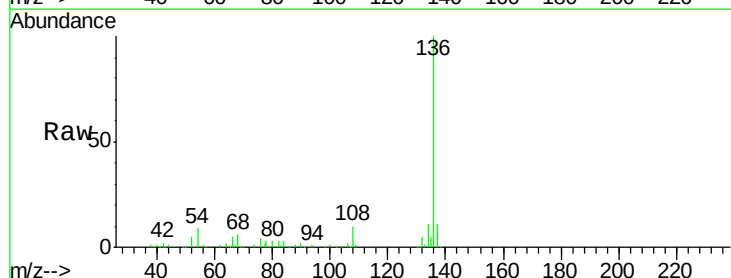
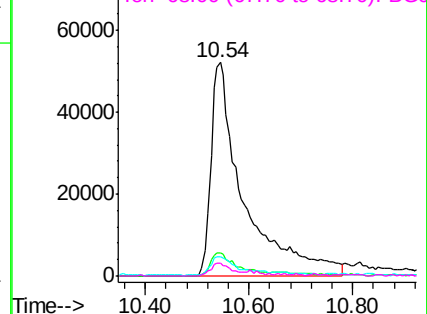
136 100

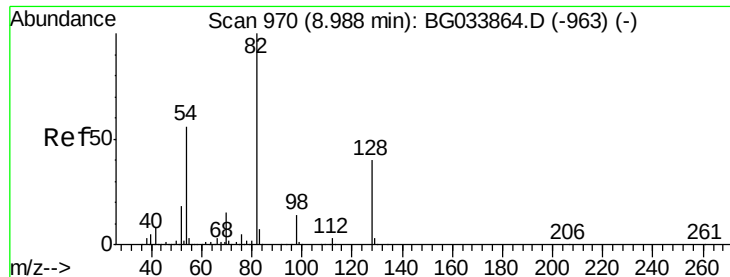
137 10.9 9.2 13.8

54 9.0 10.3 15.5#

68 5.8 4.5 6.7

Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





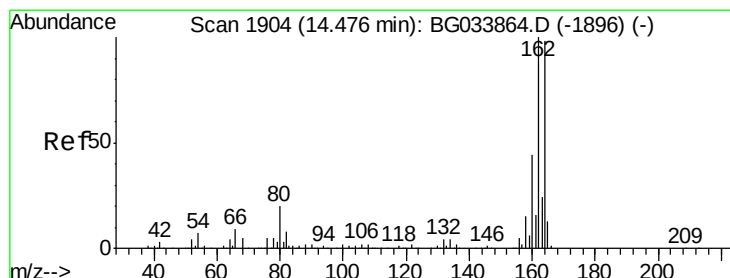
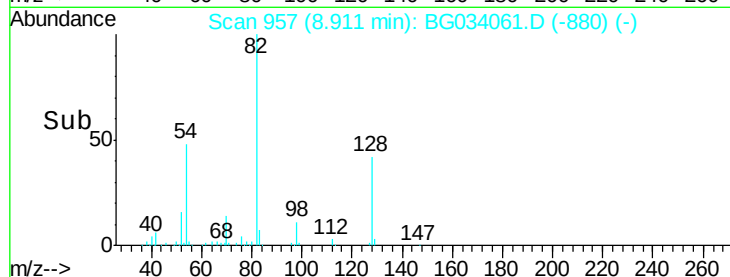
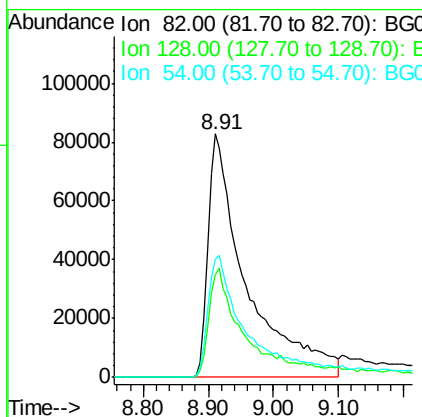
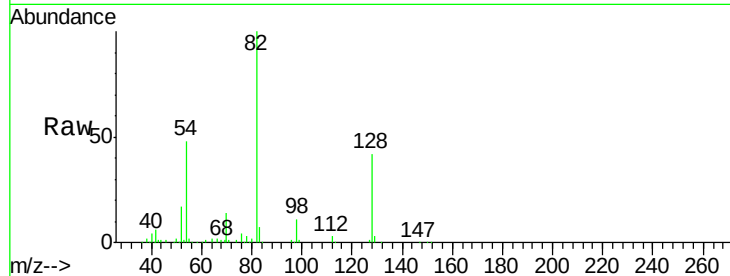
#23  
Nitrobenzene-d5  
Concen: 83.563 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.08 min  
Lab File: BG034061.D  
Acq: 28 Apr 2018 6:26

Instrument :  
BNA\_G  
ClientSampleId :  
042418-JETB-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.2  | 29.7  | 44.5  |
| 54      | 48.4  | 43.1  | 64.7  |

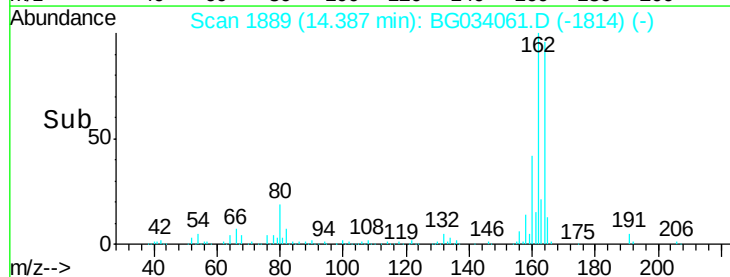
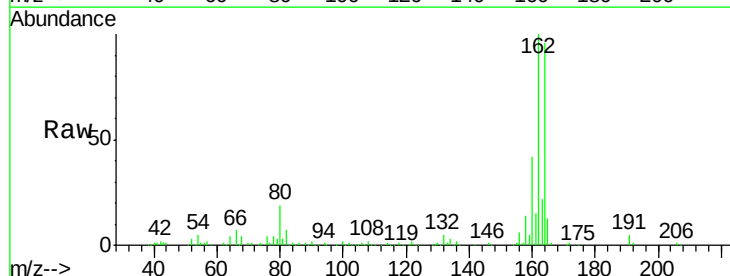
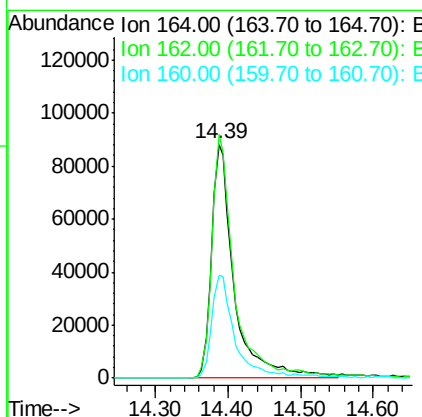
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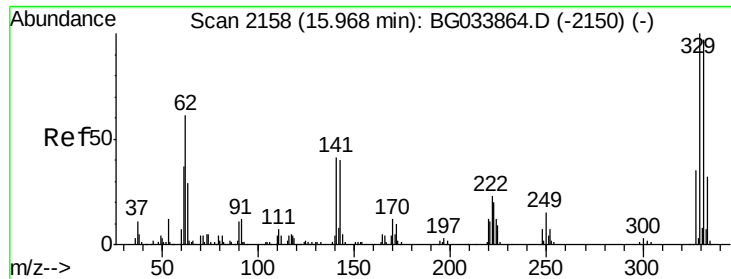
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.39 min Scan# 1889  
Delta R.T. -0.09 min  
Lab File: BG034061.D  
Acq: 28 Apr 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.3 | 78.8  | 118.2 |
| 160     | 44.1  | 35.4  | 53.0  |





#41

2,4,6-Tribromophenol

Concen: 115.391 ng

RT: 15.89 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA\_G

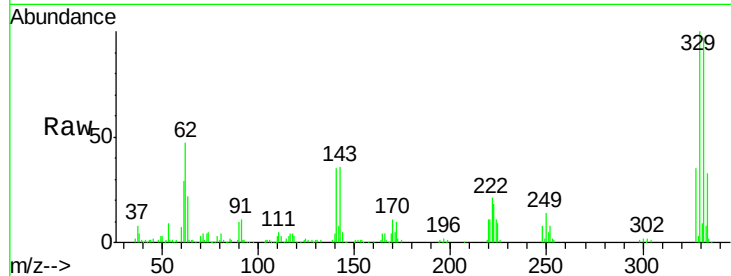
ClientSampleId :

042418-JETB-E-U-M

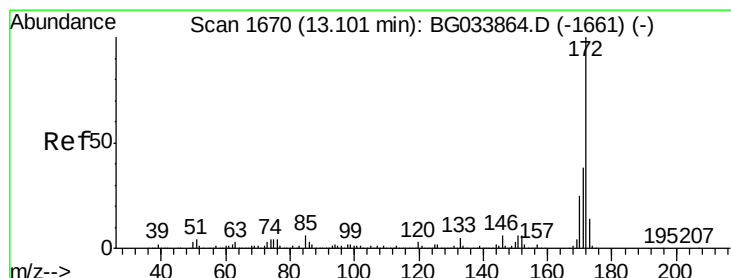
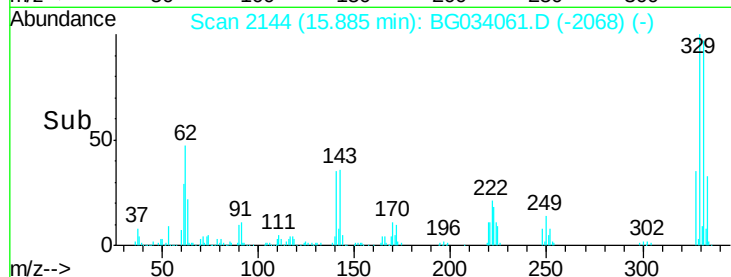
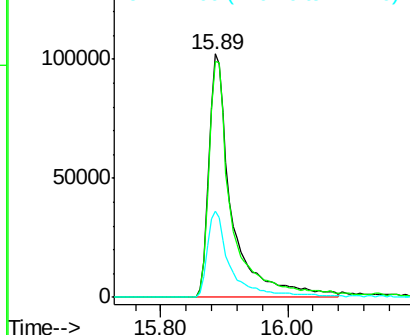
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 258524 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.2  | 77.0  | 115.6  |
| 141       | 35.9  | 25.2  | 37.8   |

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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



#44

2-Fluorobiphenyl

Concen: 99.220 ng

RT: 13.01 min Scan# 1655

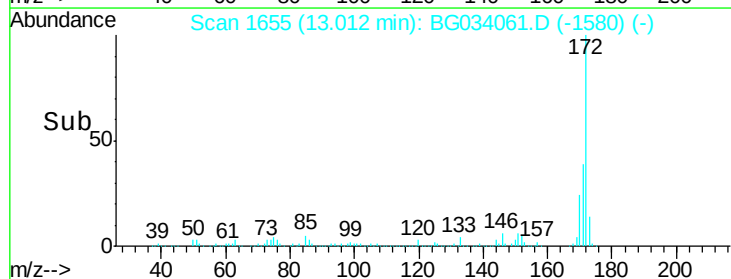
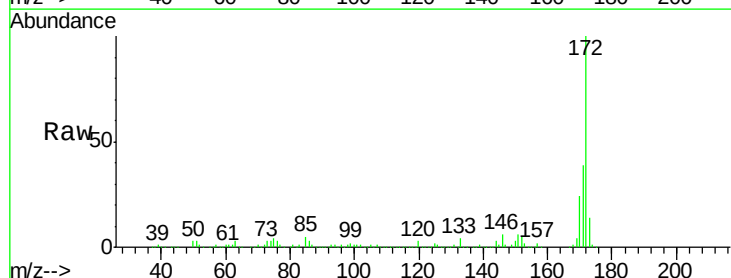
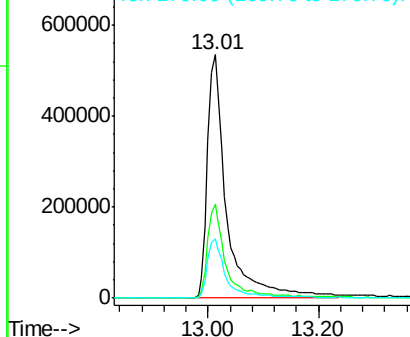
Delta R.T. -0.09 min

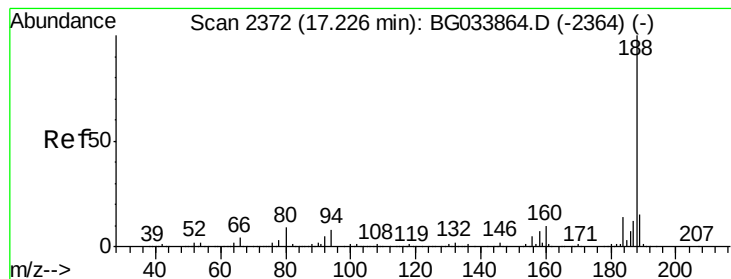
Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1297047 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 38.6  | 30.0  | 45.0    |
| 170       | 24.4  | 19.5  | 29.3    |

Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2359

Delta R.T. -0.08 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA\_G

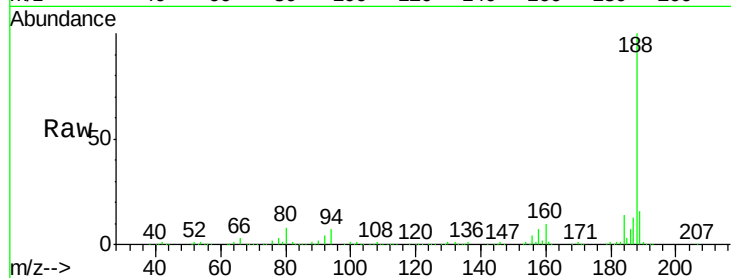
ClientSampleId :

042418-JETB-E-U-M

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 518727 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.6   | 6.9   | 10.3#  |
| 80        | 7.8   | 7.7   | 11.5   |

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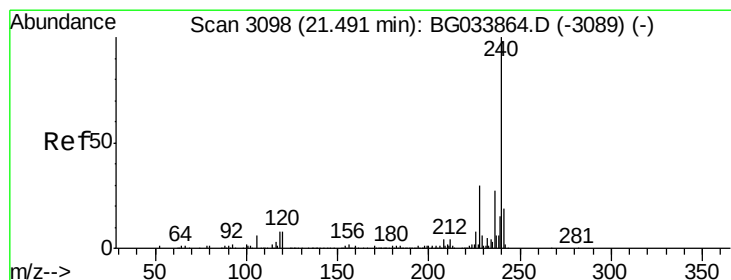
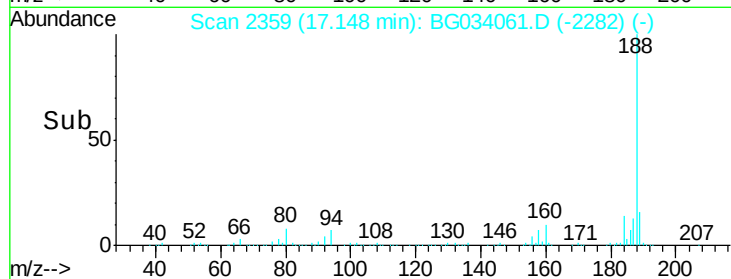
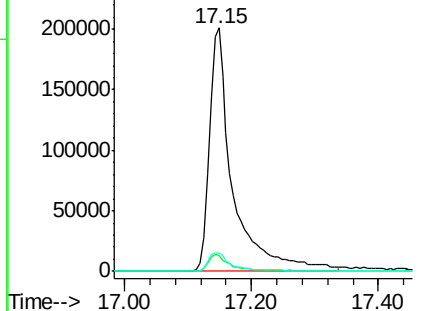
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

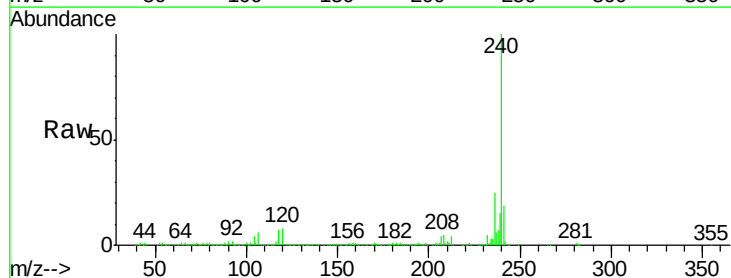
RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

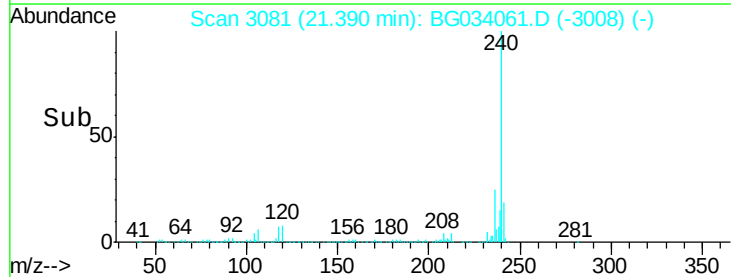
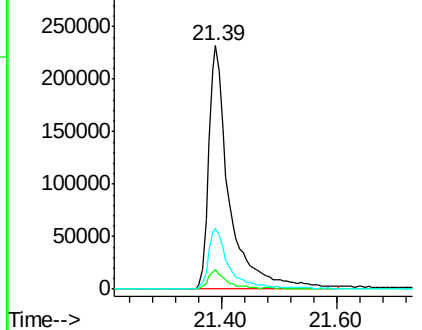
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 581734 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.0   | 6.8   | 10.2   |
| 236       | 24.8  | 20.9  | 31.3   |

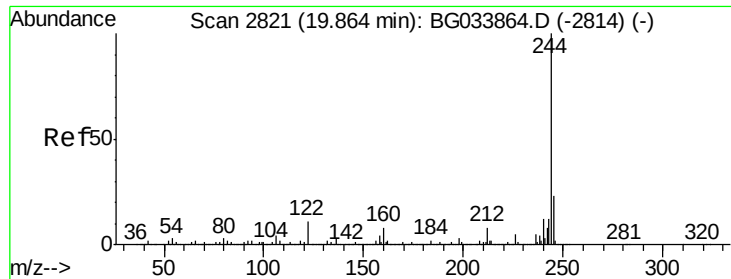


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





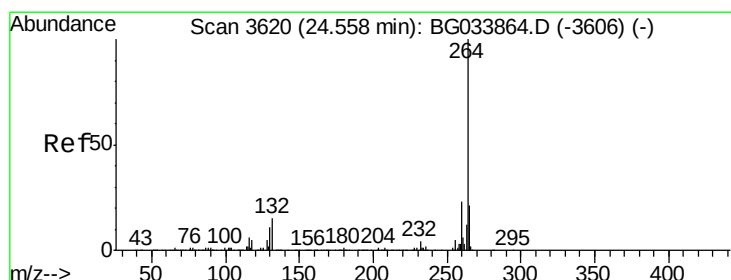
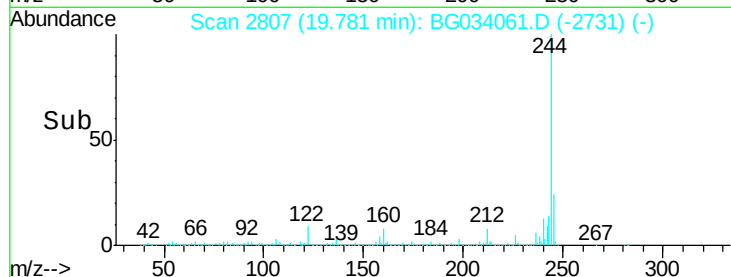
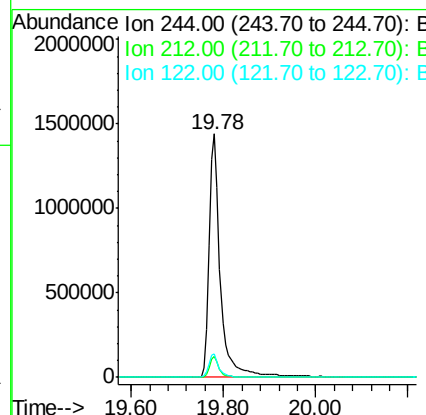
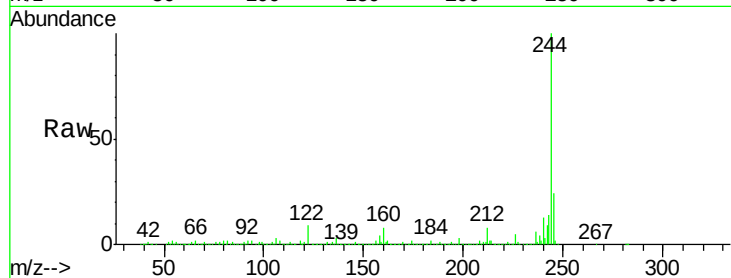
#78  
 Terphenyl-d14  
 Concen: 96.719 ng  
 RT: 19.78 min Scan# 2807  
 Delta R.T. -0.08 min  
 Lab File: BG034061.D  
 Acq: 28 Apr 2018 6:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 042418-JETB-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.4   | 5.8   | 8.8   |
| 122     | 9.4   | 7.0   | 10.4  |

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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.39 min Scan# 3591  
 Delta R.T. -0.17 min  
 Lab File: BG034061.D  
 Acq: 28 Apr 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 17.4  | 26.0  |
| 265     | 22.3  | 17.7  | 26.5  |

