

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\  
 Data File : BG048242.D  
 Acq On : 20 Feb 2021 18:44  
 Operator : CG/JU  
 Sample : M1408-13DL 25X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBGN0DL

Manual Integrations  
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Quant Time: Feb 22 05:27:42 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 19 11:17:07 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 40023    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 164064   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.74 | 164  | 110909   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.49 | 188  | 243009   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.77 | 240  | 246452   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.06 | 264  | 244016   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d     | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 7.31  | 99  | 1022   | 0.30 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.44  | 67  | 3018   | 1.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.66  | 132 | 3327   | 1.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.85  | 113 | 2262   | 0.86 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 1959m  | 1.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 2229m  | 1.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.58 | 165 | 3974   | 1.37 | ng/ul | 0.03 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d     | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 14.15 | 166 | 14508  | 1.77 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.44 | 160 | 17267  | 1.72 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.73 | 176 | 12202  | 1.67 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.86 | 200 | 835    | 0.56 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.58 | 188 | 21031m | 2.02 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.86 | 212 | 24305  | 1.97 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.83 | 264 | 23855  | 1.92 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |        |        | Ovalue |    |
|-------------------------|-------|-----|--------|--------|--------|----|
| 28) Naphthalene         | 10.99 | 128 | 461538 | 55.773 | ng/ul  | 99 |
| 34) 2-Methylnaphthalene | 12.58 | 142 | 23921  | 3.803  | ng/ul  | 96 |
| 50) Acenaphthene        | 14.80 | 153 | 16306  | 2.419  | ng/ul  | 96 |
| 54) Dibenzofuran        | 15.14 | 168 | 21231  | 2.158  | ng/ul# | 86 |
| 59) Fluorene            | 15.79 | 166 | 11072  | 1.392  | ng/ul  | 93 |
| 69) Pentachlorophenol   | 17.15 | 266 | 2560   | 1.506  | ng/ul# | 70 |
| 70) Phenanthrene        | 17.53 | 178 | 12336  | 1.010  | ng/ul  | 95 |
| 75) Carbazole           | 17.90 | 167 | 50214  | 4.875  | ng/ul  | 98 |

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

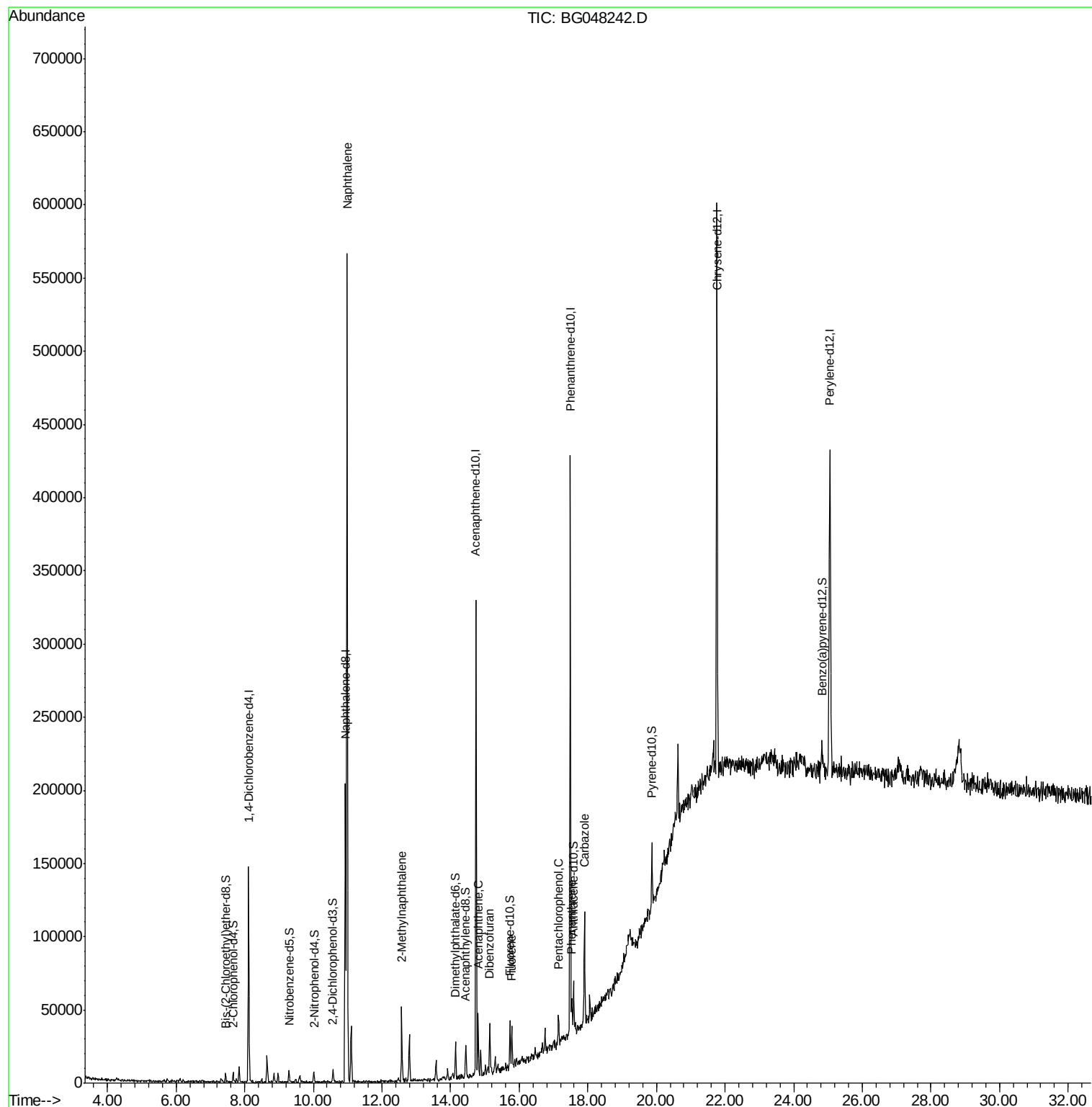
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\  
Data File : BG048242.D  
Acq On : 20 Feb 2021 18:44  
Operator : CG/JU  
Sample : M1408-13DL 25X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

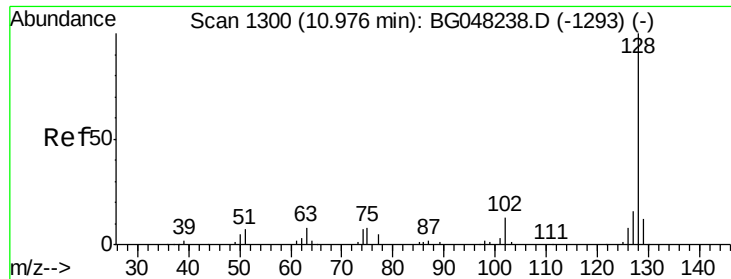
Instrument :  
BNA\_G  
ClientSampleId :  
DBGN0DL

Quant Time: Feb 22 05:27:42 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
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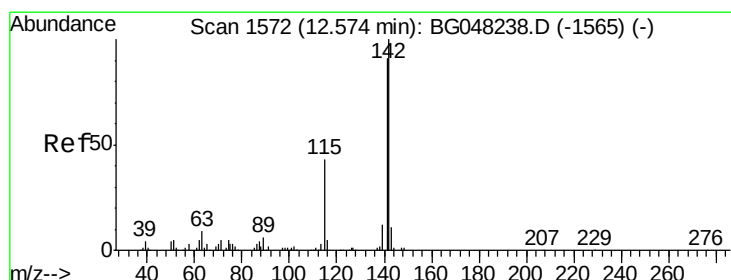
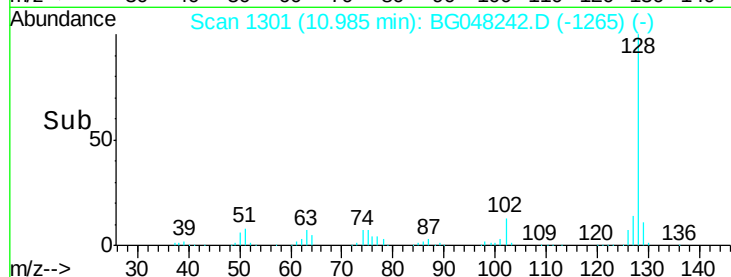
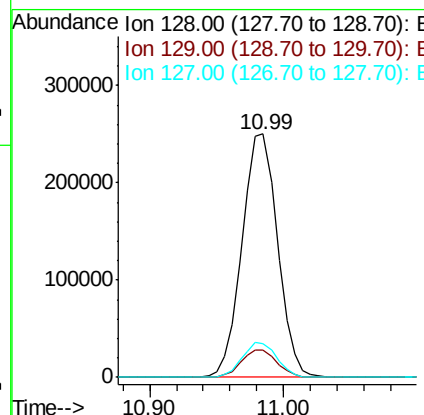
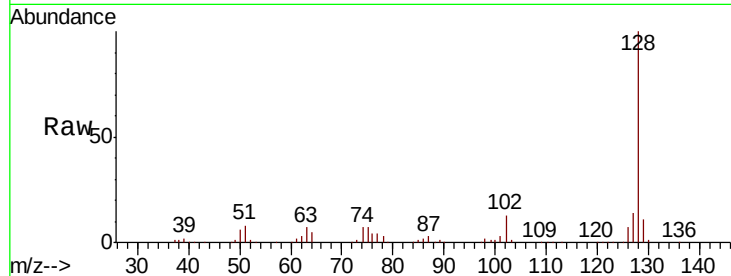
#28  
Naphthalene  
Concen: 55.773 ng/ul  
RT: 10.99 min Scan# 1301  
Delta R.T. 0.01 min  
Lab File: BG048242.D  
Acq: 20 Feb 2021 18:44

Instrument :  
BNA\_G  
ClientSampleId :  
DBGN0DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 8.3   | 12.5  |
| 127     | 13.7  | 10.8  | 16.2  |

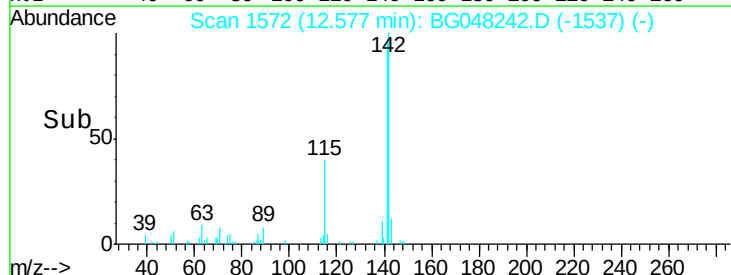
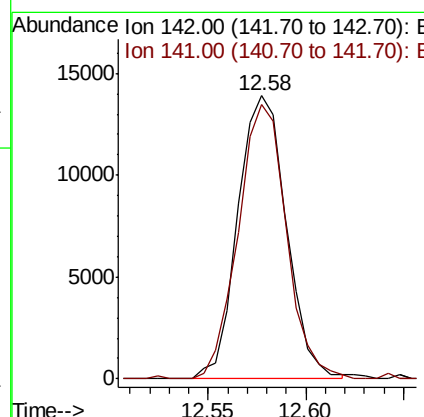
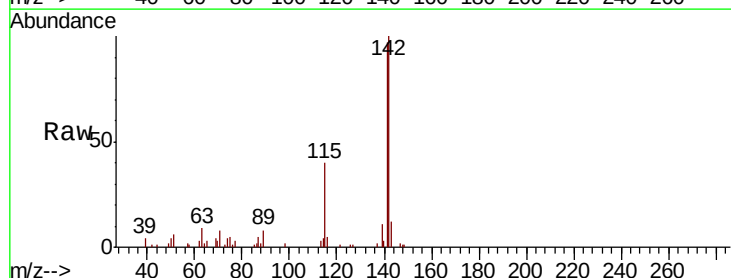
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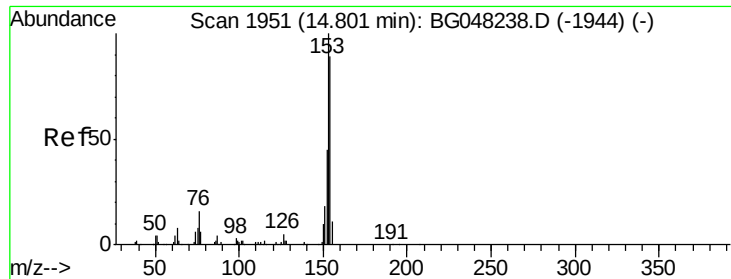
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#34  
2-Methylnaphthalene  
Concen: 3.803 ng/ul  
RT: 12.58 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BG048242.D  
Acq: 20 Feb 2021 18:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 96.9  | 74.6  | 111.8 |





#50

Acenaphthene

Concen: 2.419 ng/ul

RT: 14.80 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG048242.D

Acq: 20 Feb 2021 18:44

Instrument :

BNA\_G

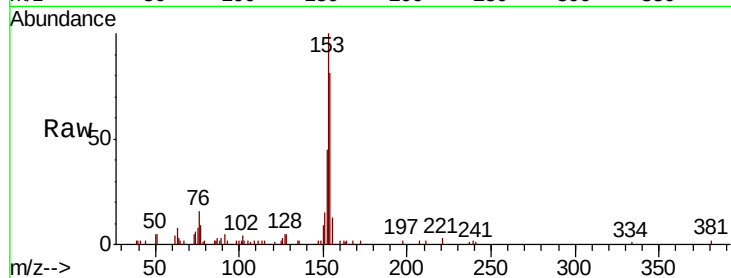
ClientSampled :

DBGN0DL

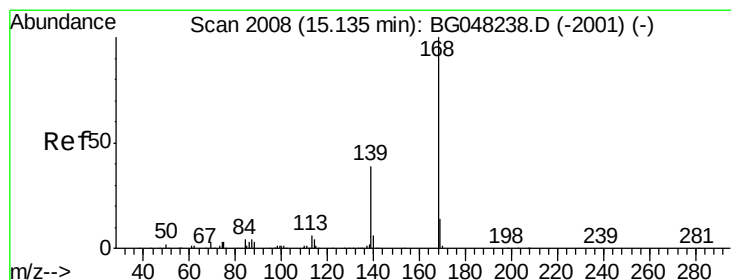
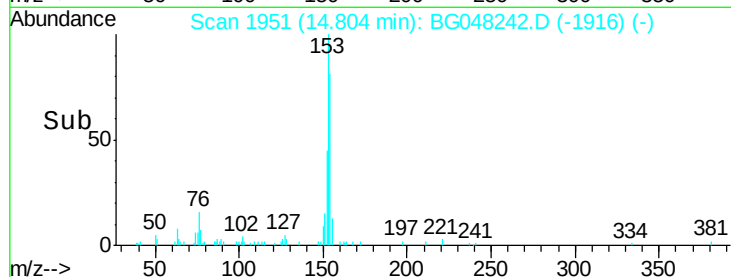
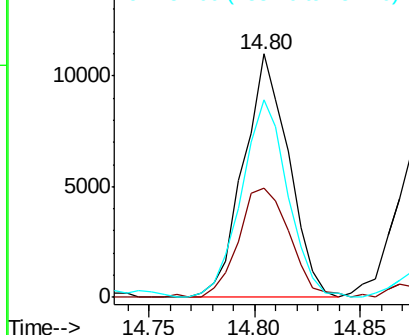
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 153   | Resp: | 16306 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 45.0  | 39.0  | 58.6  |
| 154       | 81.1  | 67.0  | 100.4 |

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Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 2.158 ng/ul

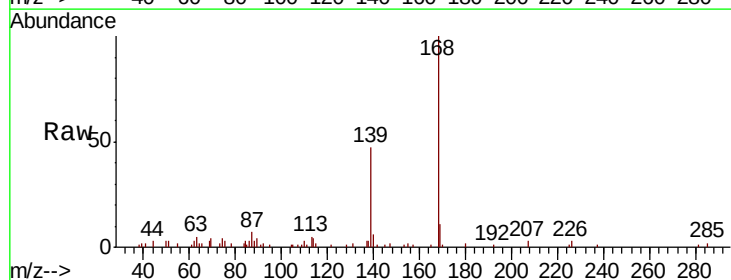
RT: 15.14 min Scan# 2008

Delta R.T. 0.00 min

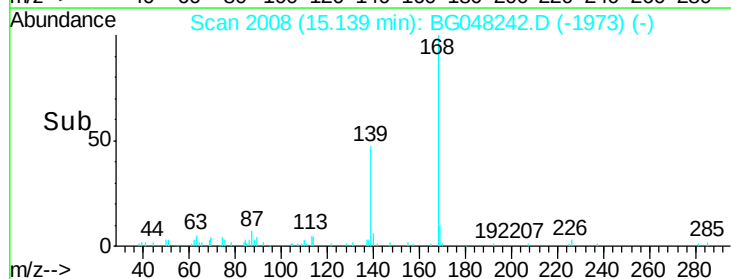
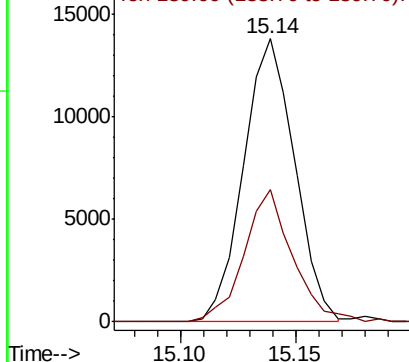
Lab File: BG048242.D

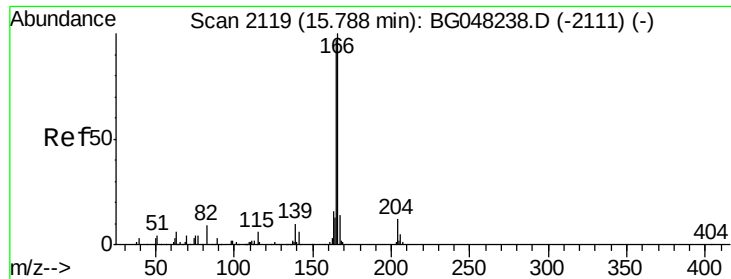
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 21231 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 47.0  | 30.9  | 46.3# |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E





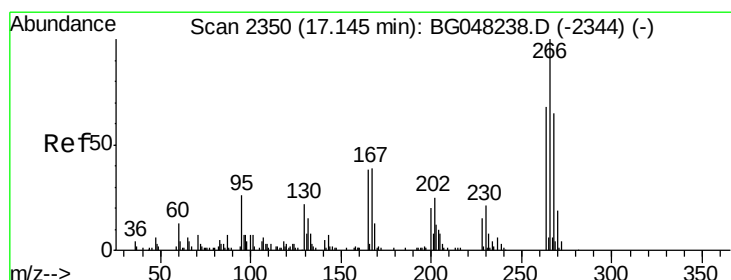
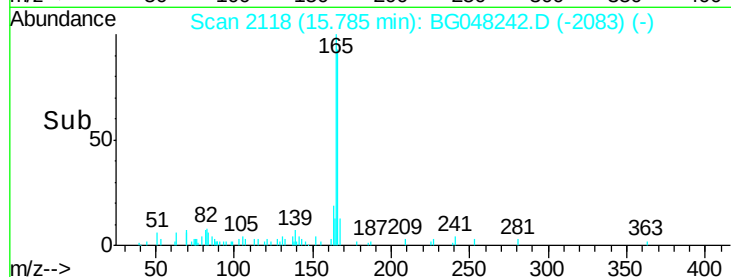
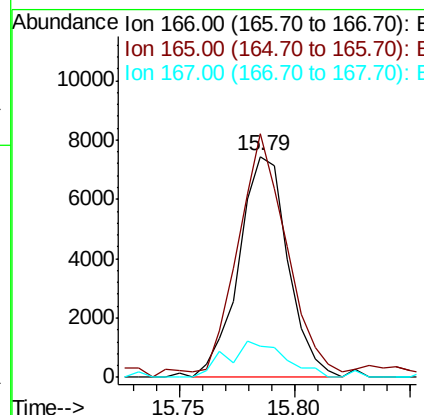
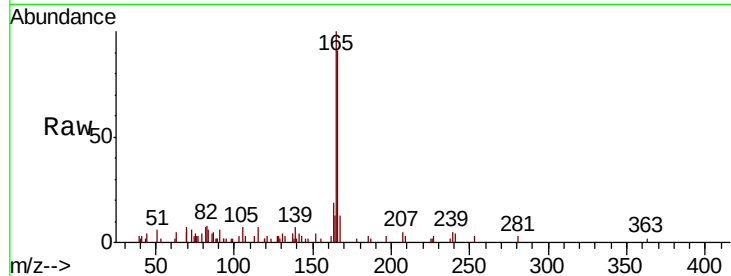
#59  
Fluorene  
Concen: 1.392 ng/ul  
RT: 15.79 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: BG048242.D  
Acq: 20 Feb 2021 18:44

Instrument :  
BNA\_G  
ClientSampleID :  
DBGN0DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 110.1 | 81.4  | 122.0 |
| 167     | 14.2  | 11.8  | 17.6  |

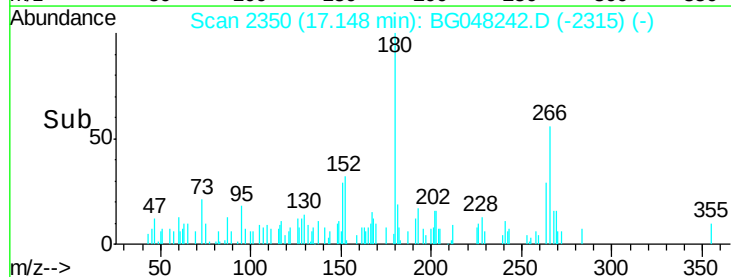
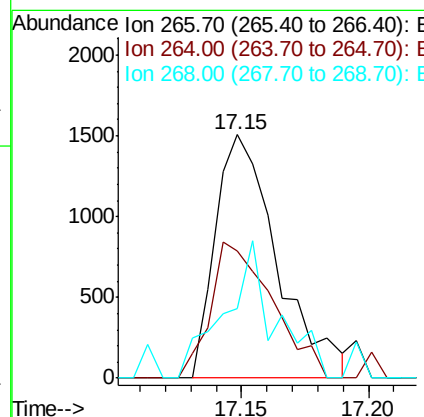
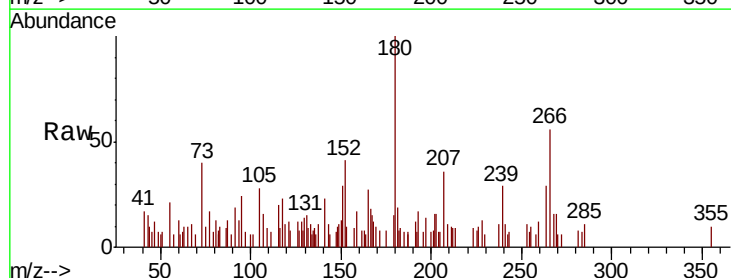
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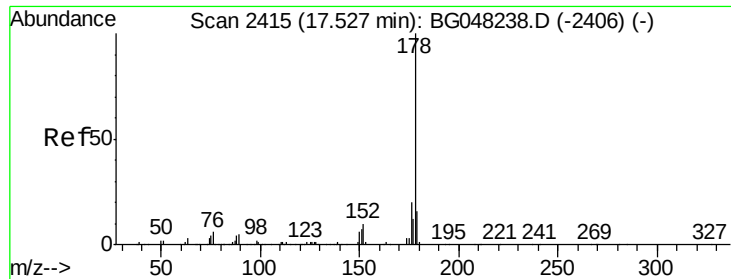
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#69  
Pentachlorophenol  
Concen: 1.506 ng/ul  
RT: 17.15 min Scan# 2350  
Delta R.T. 0.00 min  
Lab File: BG048242.D  
Acq: 20 Feb 2021 18:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 52.0  | 47.0  | 70.4  |
| 268     | 28.6  | 53.9  | 80.9# |





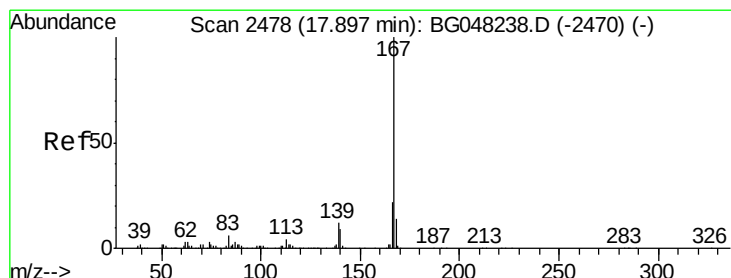
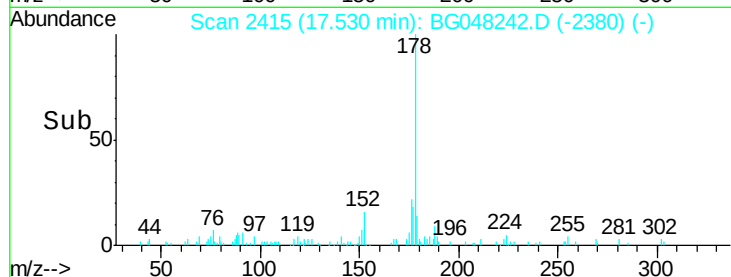
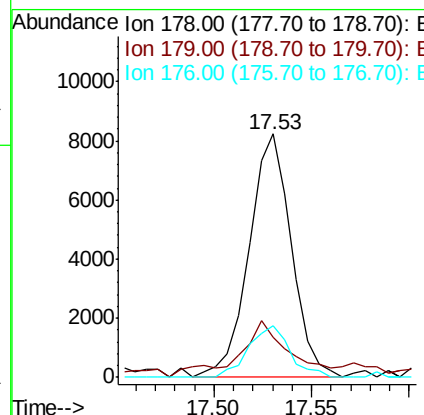
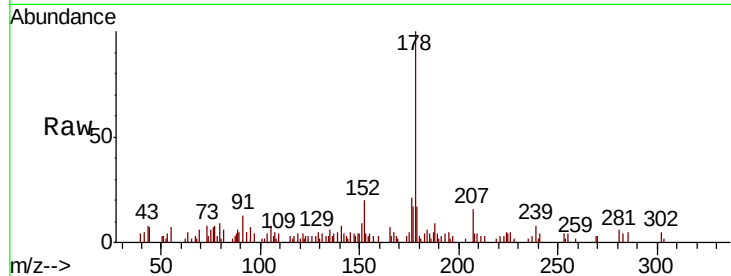
#70  
Phenanthrene  
Concen: 1.010 ng/ul  
RT: 17.53 min Scan# 2415  
Delta R.T. 0.00 min  
Lab File: BG048242.D  
Acq: 20 Feb 2021 18:44

Instrument :  
BNA\_G  
ClientSampleId :  
DBGN0DL

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 12336     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 16.7  | 11.8 17.6 |
| 176         | 20.9  | 14.9 22.3 |

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#75  
Carbazole  
Concen: 4.875 ng/ul  
RT: 17.90 min Scan# 2478  
Delta R.T. 0.01 min  
Lab File: BG048242.D  
Acq: 20 Feb 2021 18:44

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:167 | Resp: | 50214     |
| Ion Ratio   | Lower | Upper     |
| 167         | 100   |           |
| 166         | 21.3  | 17.5 26.3 |
| 139         | 14.4  | 10.8 16.2 |

