

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
 Data File : BG028421.D  
 Acq On : 22 Aug 2017 16:38  
 Operator : SJ/JU  
 Sample : I4713-05MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E7GB4MS

Manual Integrations  
 APPROVED

Sohil  
 8/23/2017 3:02:05 PM

Quant Time: Aug 23 05:25:15 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 23 02:58:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 36784    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 168112   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 116927   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.70 | 188  | 271766m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.03 | 240  | 301735   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.53 | 264  | 292020   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.83  | 96  | 1903   | 2.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 51599  | 12.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67  | 35497  | 13.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 36820  | 14.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.04  | 113 | 21168  | 6.27  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.51  | 128 | 20654  | 15.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 23994  | 16.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 47318  | 15.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.30 | 131 | 30231  | 9.11  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 182507 | 17.55 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 213263 | 18.19 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 11646  | 7.04  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 155363 | 16.65 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 16963m | 9.61  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.80 | 188 | 232084 | 17.81 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.07 | 212 | 271313 | 17.53 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.29 | 264 | 246206 | 18.01 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 6) Phenol                      | 7.52  | 94  | 52344  | 13.037 | ng/ul# | 92 |
| 10) 2-Chlorophenol             | 7.91  | 128 | 35350  | 14.234 | ng/ul  | 91 |
| 15) N-Nitroso-di-n-propylamine | 9.13  | 70  | 32551  | 11.894 | ng/ul# | 86 |
| 33) 4-Chloro-3-methylphenol    | 12.42 | 107 | 44063  | 12.716 | ng/ul  | 91 |
| 44) Dimethylphthalate          | 14.39 | 163 | 91919  | 9.599  | ng/ul# | 99 |
| 49) Acenaphthene               | 15.02 | 153 | 113364 | 14.994 | ng/ul  | 94 |
| 52) 4-Nitrophenol              | 15.17 | 109 | 17518  | 10.225 | ng/ul# | 75 |
| 54) 2,4-Dinitrotoluene         | 15.31 | 165 | 40824  | 13.625 | ng/ul# | 82 |
| 68) Pentachlorophenol          | 17.35 | 266 | 26035  | 16.530 | ng/ul  | 94 |
| 74) Fluoranthene               | 19.74 | 202 | 28575m | 1.719  | ng/ul  |    |
| 77) Pyrene                     | 20.10 | 202 | 275737 | 15.317 | ng/ul  | 98 |

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

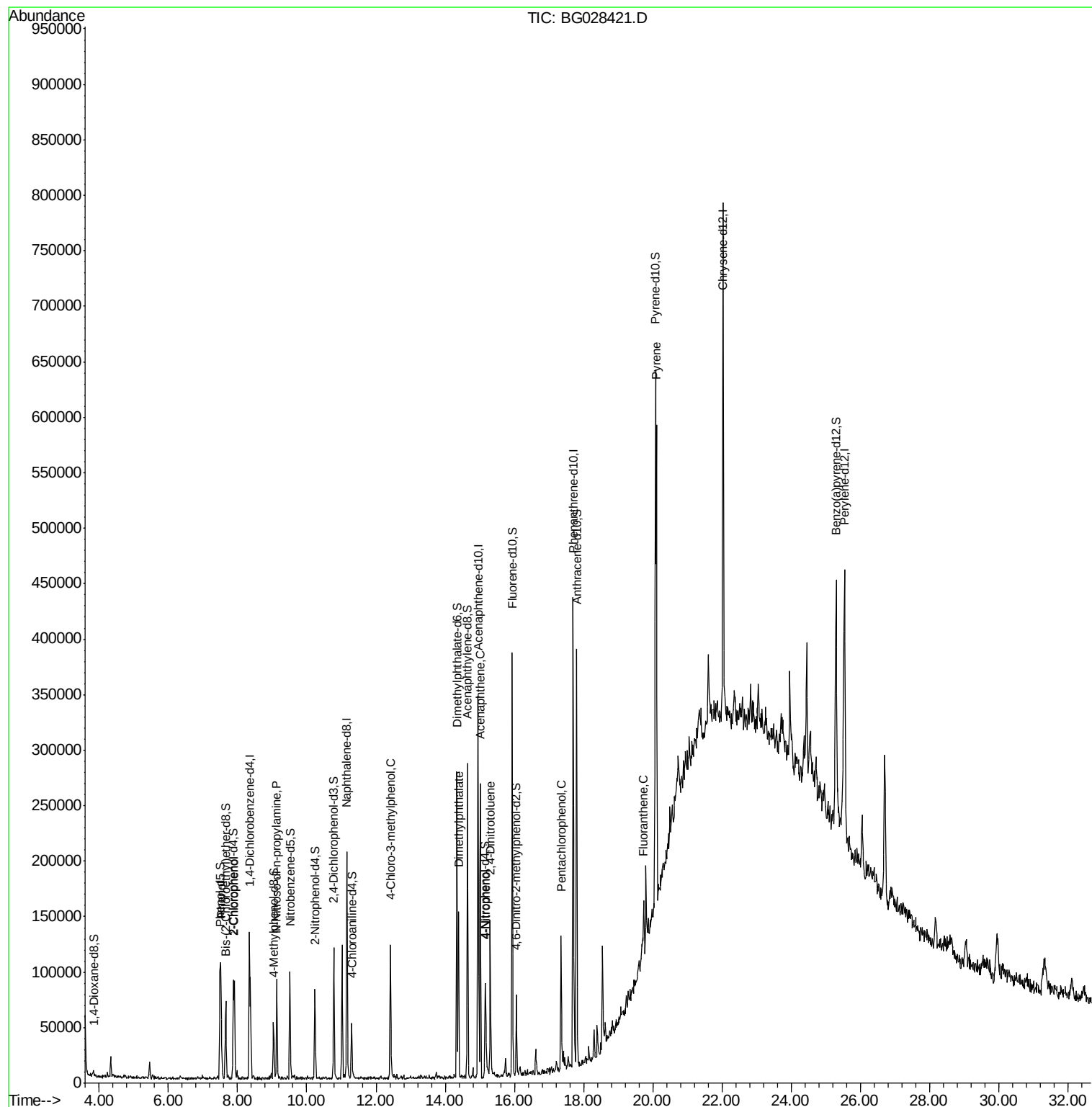
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
Data File : BG028421.D  
Acq On : 22 Aug 2017 16:38  
Operator : SJ/JU  
Sample : I4713-05MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

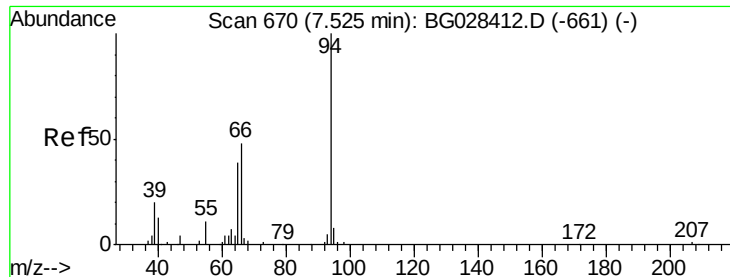
Instrument :  
BNA\_G  
ClientSampleId :  
E7GB4MS

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Quant Time: Aug 23 05:25:15 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 23 02:58:29 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 13.037 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

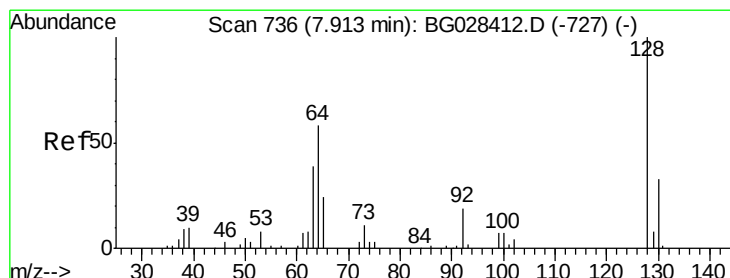
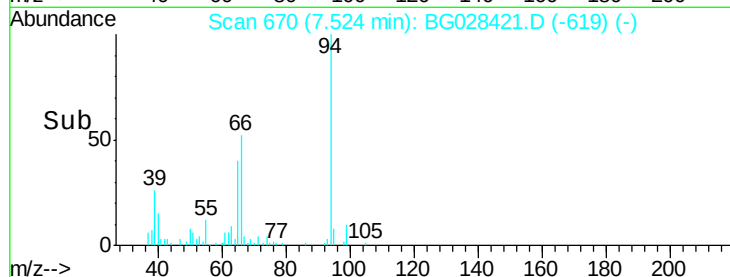
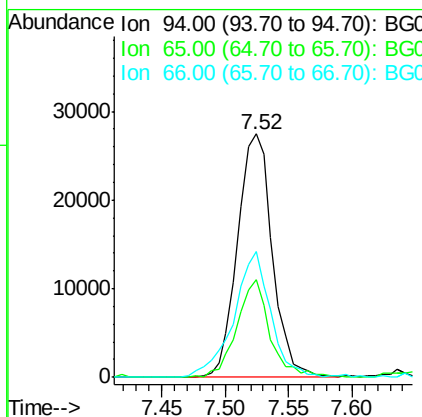
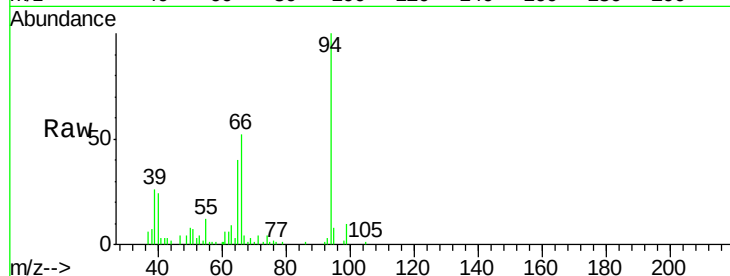
ClientSampleId :

E7GB4MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 52344 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 40.3  | 26.8  | 40.2# |
| 66       | 51.7  | 44.4  | 66.6  |

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#10

2-Chlorophenol

Concen: 14.234 ng/ul

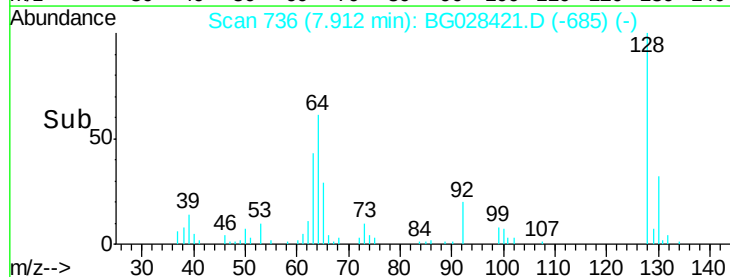
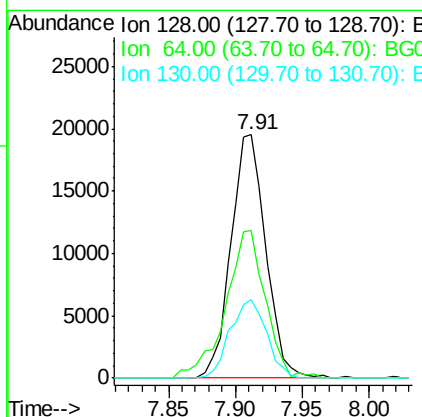
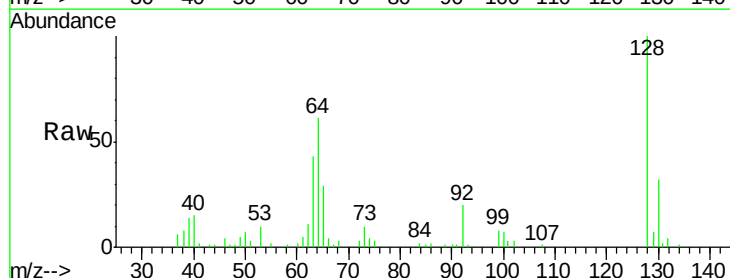
RT: 7.91 min Scan# 736

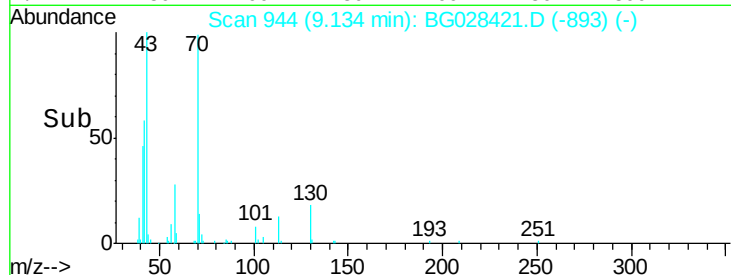
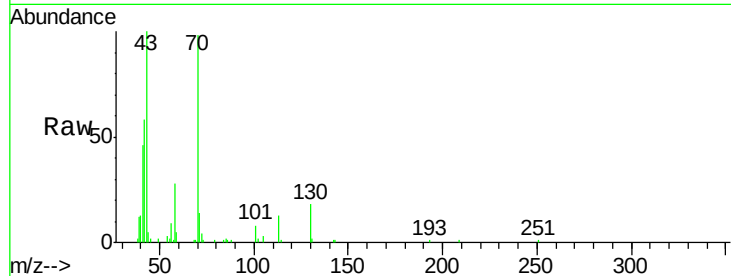
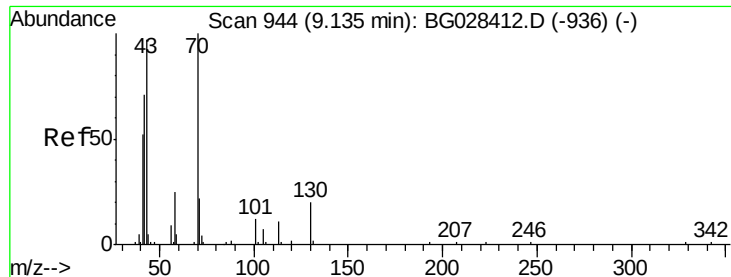
Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 35350 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 64       | 60.9  | 56.3  | 84.5  |
| 130      | 32.0  | 26.7  | 40.1  |





#15

N-Nitroso-di-n-propylamine

Concen: 11.894 ng/ul

RT: 9.13 min Scan# 944

Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

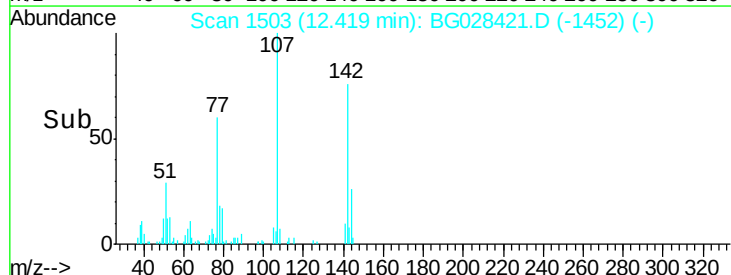
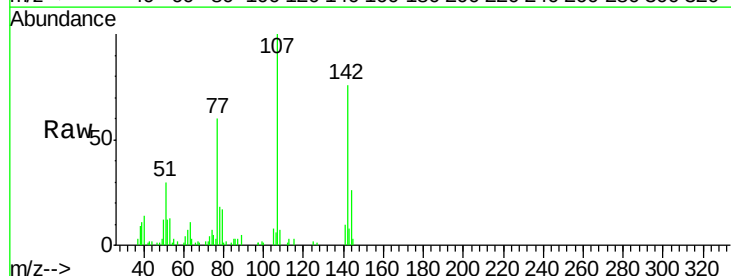
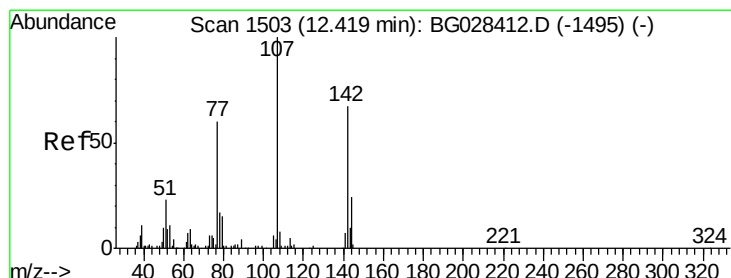
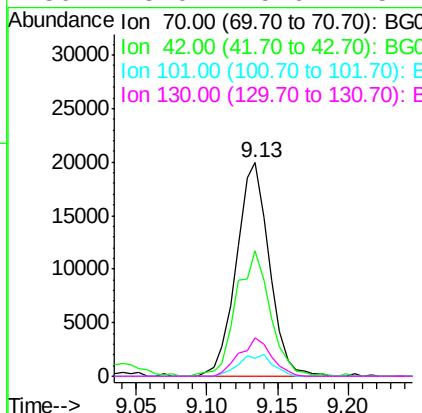
ClientSampleId :

E7GB4MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 58.7  | 59.0  | 88.6# |
| 101     | 8.4   | 6.6   | 9.8   |
| 130     | 18.0  | 15.6  | 23.4  |

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#33

4-Chloro-3-methylphenol

Concen: 12.716 ng/ul

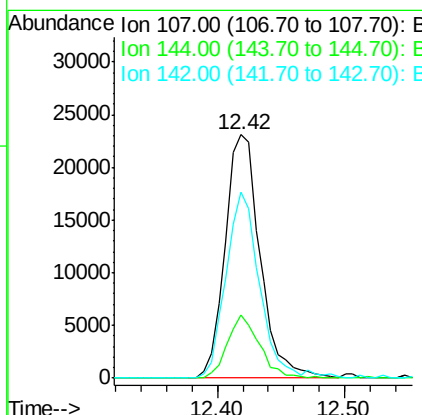
RT: 12.42 min Scan# 1503

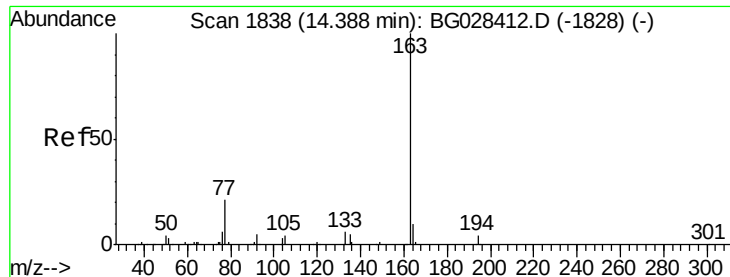
Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.0  | 18.2  | 27.4  |
| 142     | 76.2  | 55.0  | 82.4  |





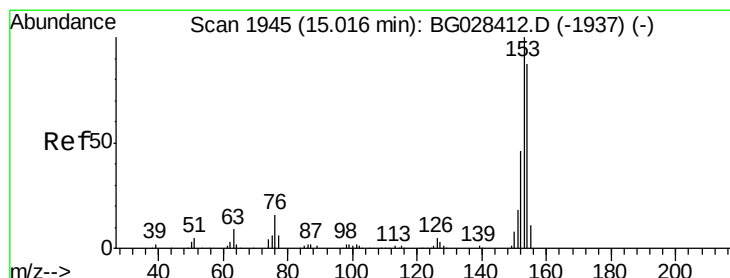
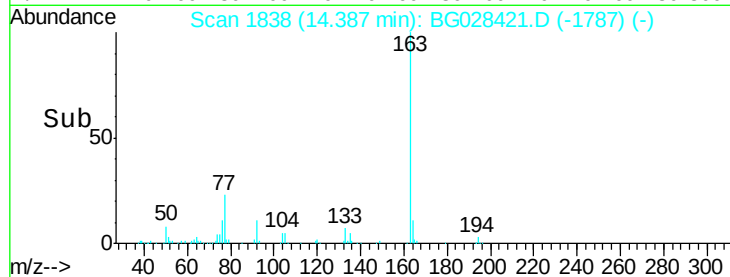
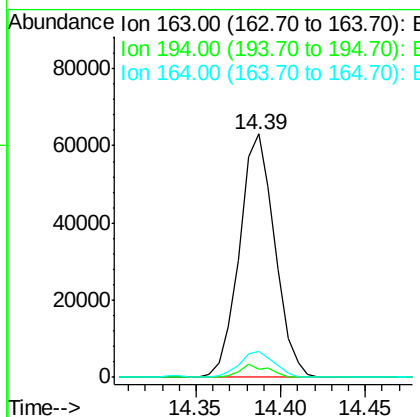
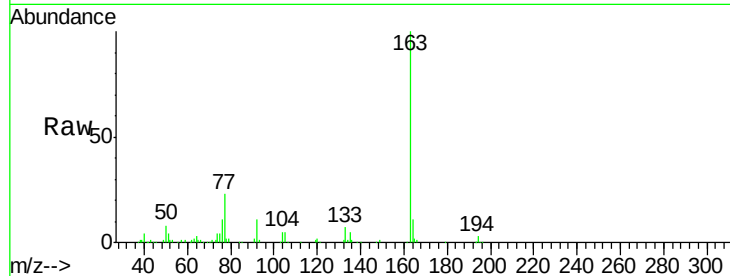
#44  
Dimethylphthalate  
Concen: 9.599 ng/ul  
RT: 14.39 min Scan# 1838  
Delta R.T. -0.00 min  
Lab File: BG028421.D  
Acq: 22 Aug 2017 16:38

Instrument :  
BNA\_G  
ClientSampleId :  
E7GB4MS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 91919 |       |       |
| 194     | 3.2   |       | 3.4   | 5.0#  |
| 164     | 10.9  |       | 9.0   | 13.4  |

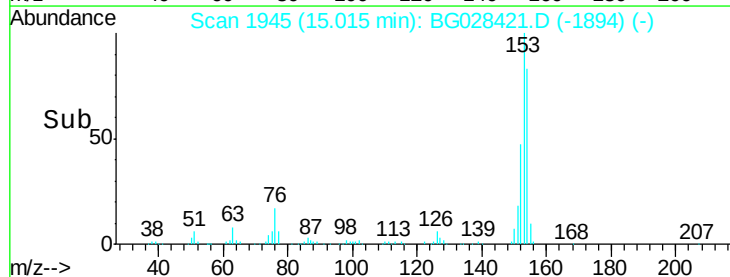
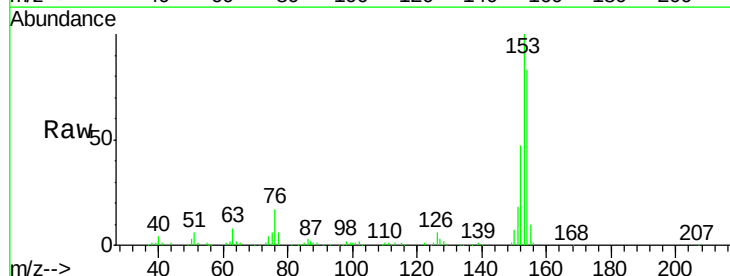
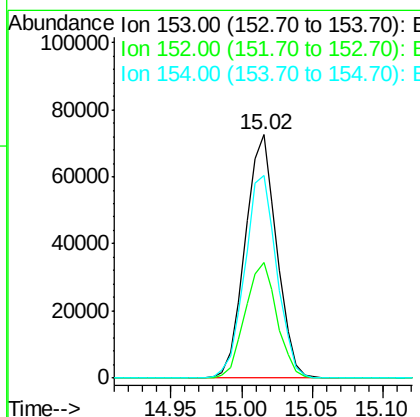
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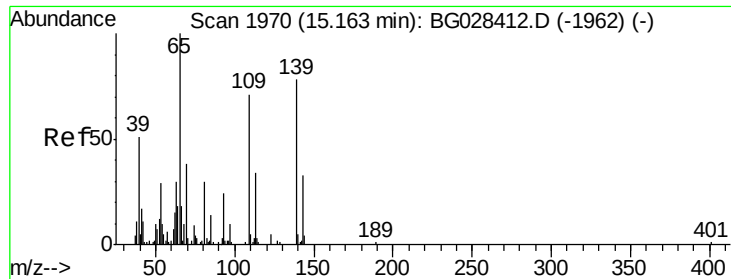
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#49  
Acenaphthene  
Concen: 14.994 ng/ul  
RT: 15.02 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: BG028421.D  
Acq: 22 Aug 2017 16:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 153     | 100   | 113364 |       |       |
| 152     | 47.5  |        | 36.5  | 54.7  |
| 154     | 83.4  |        | 72.3  | 108.5 |





#52

4-Nitrophenol

Concen: 10.225 ng/ul

RT: 15.17 min Scan# 1971

Delta R.T. 0.01 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

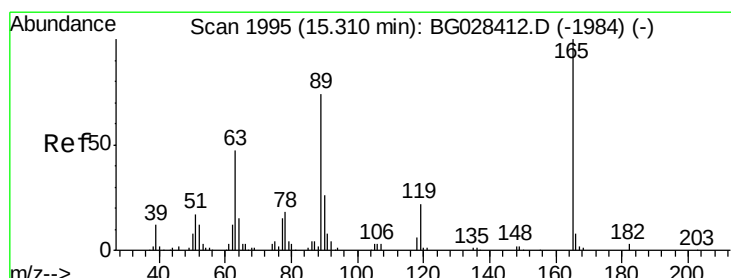
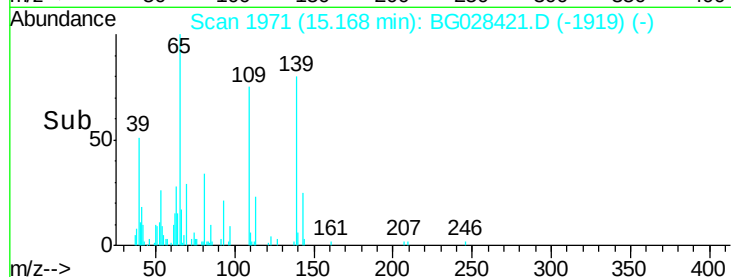
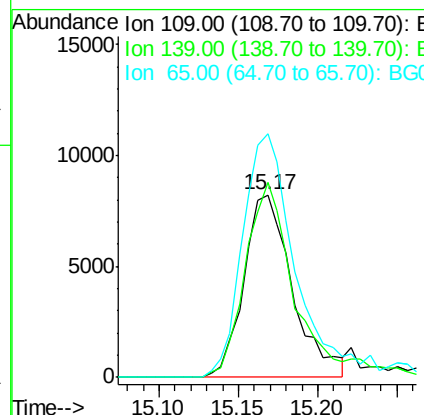
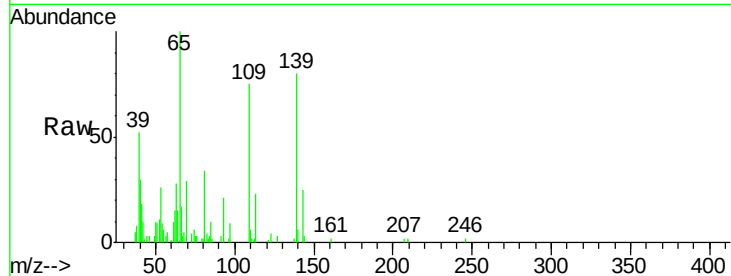
ClientSampleId :

E7GB4MS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 109     | 100   | 17518 |       |       |
| 139     | 107.0 | 62.6  | 93.8# |       |
| 65      | 133.4 | 90.4  | 135.6 |       |

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#54

2,4-Dinitrotoluene

Concen: 13.625 ng/ul

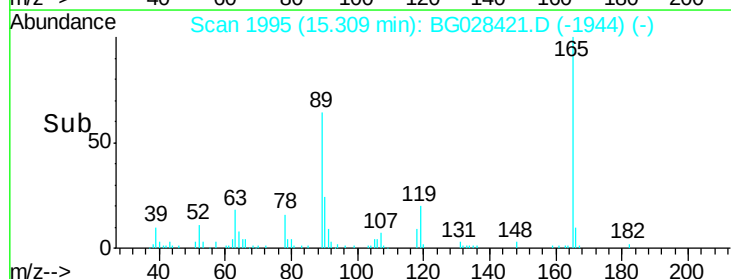
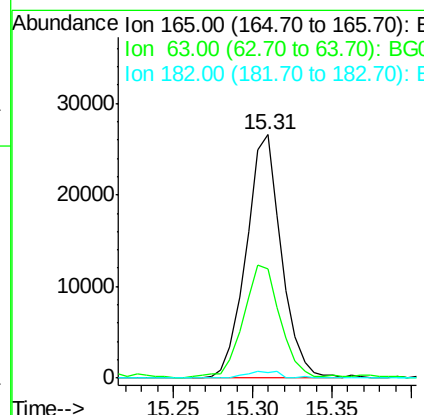
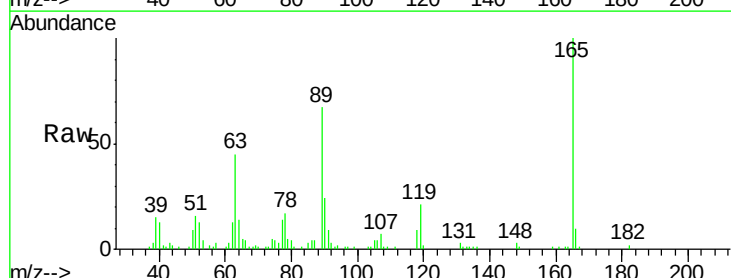
RT: 15.31 min Scan# 1995

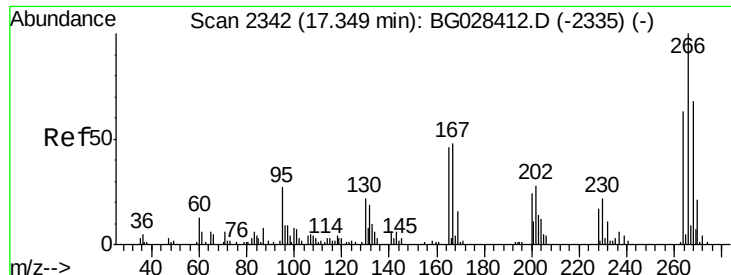
Delta R.T. -0.00 min

Lab File: BG028421.D

Acq: 22 Aug 2017 16:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 40824 |       |       |
| 63      | 44.9  | 46.8  | 70.2# |       |
| 182     | 2.5   | 1.8   | 2.6   |       |





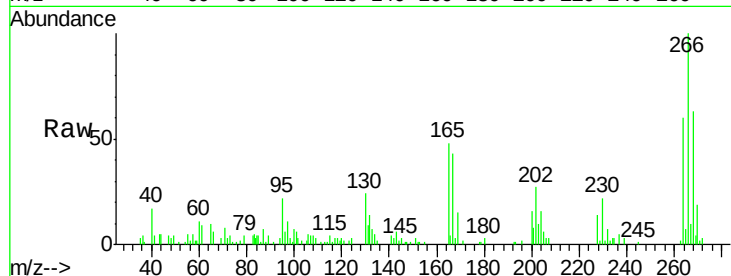
#68  
 Pentachlorophenol  
 Concen: 16.530 ng/ul  
 RT: 17.35 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: BG028421.D  
 Acq: 22 Aug 2017 16:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E7GB4MS

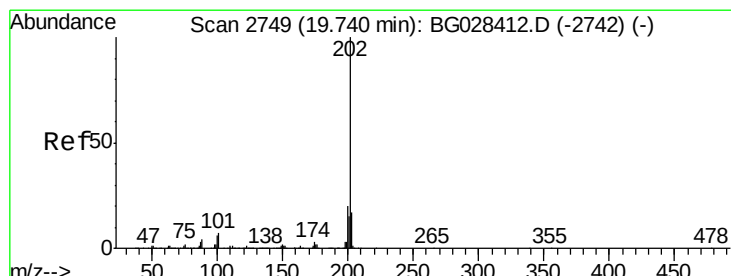
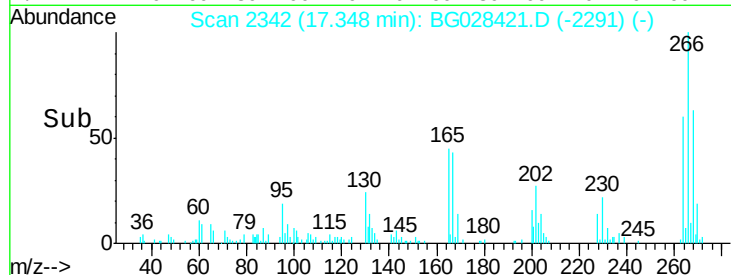
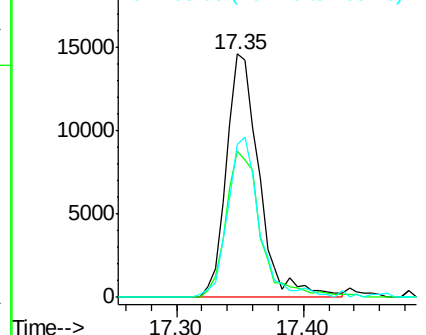
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 26035 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 60.1  | 47.1  | 70.7  |
| 268       | 62.9  | 56.2  | 84.4  |

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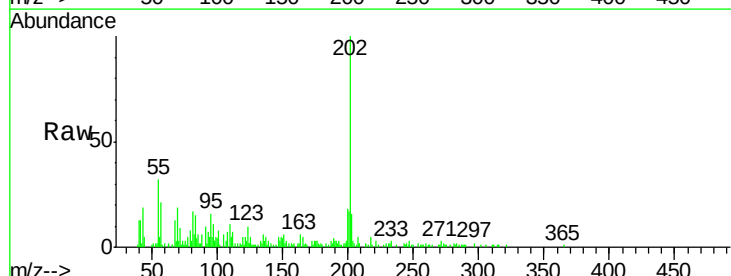


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

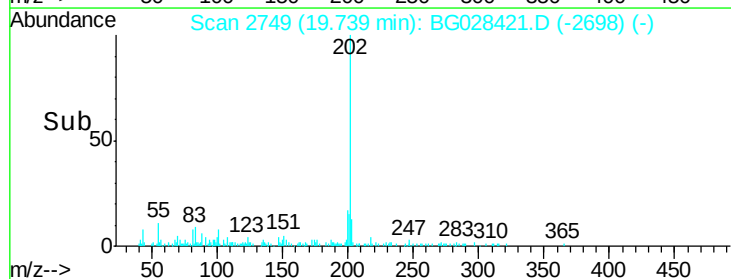
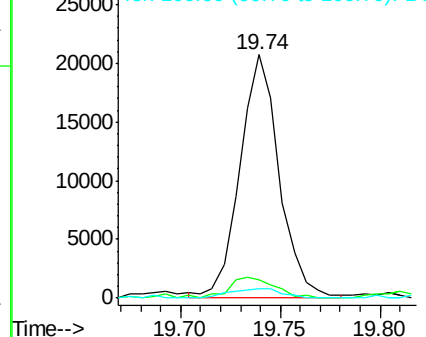


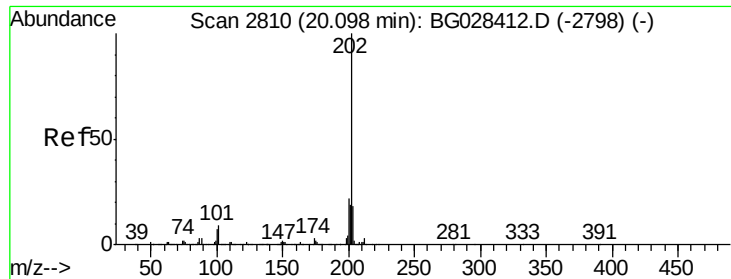
#74  
 Fluoranthene  
 Concen: 1.719 ng/ul m  
 RT: 19.74 min Scan# 2749  
 Delta R.T. -0.00 min  
 Lab File: BG028421.D  
 Acq: 22 Aug 2017 16:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 28575 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.6   | 6.2   | 9.2   |
| 100       | 3.9   | 5.2   | 7.8#  |



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 15.317 ng/ul

RT: 20.10 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BG028421.D

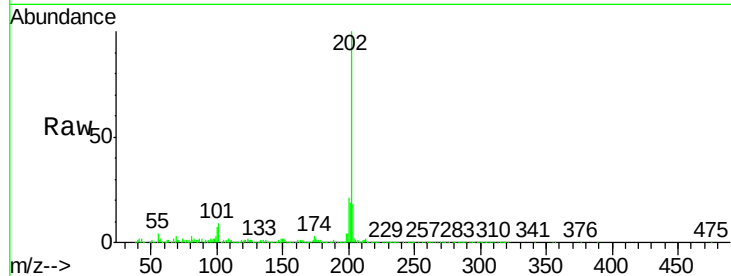
Acq: 22 Aug 2017 16:38

Instrument :

BNA\_G

ClientSampleId :

E7GB4MS



| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 8.7   | 6.9        | 10.3       |
| 100     | 7.1   | 6.6        | 10.0       |

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