Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102015\
Data File : BG019272.D
Acq On : 21 Oct 2015 00:34
Operator : UM/NP
Sample : G4074-21MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JG9J5MS

Quant Time: Oct 21 01:26:25 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 21 01:23:32 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.99 | 152 | 16583 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.80 | 136 | 79096 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.63 | 164 | 58035 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.37 | 188 | 139689 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.64 | 240 | 149231 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.84 | 264 | 149913 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.42 | 96 | 1216 | 4.08 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.17 | 99 | 35496 | 24.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.32 | 67 | 22720 | 24.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.52 | 132 | 27749 | 26.31 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.71 | 113 | 30476 | 24.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 15244 | 25.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.87 | 143 | 18757 | 29.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.43 | 165 | 36497 | 28.49 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.93 | 131 | 34058 | 20.64 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.03 | 166 | 137908 | 27.17 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.32 | 160 | 157931 | 28.78 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.85 | 143 | 21787 | 23.88 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.61 | 176 | 123234 | 28.41 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 22034 | 25.57 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.47 | 188 | 189440 | 28.70 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.76 | 212 | 212712 | 31.43 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.62 | 264 | 224996 | 29.71 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.20 | 94 | 32924 | 21.85 | ng/ul# | 81 |
| 10) 2-Chlorophenol | 7.56 | 128 | 25041 | 23.12 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.79 | 70 | 23836 | 22.54 | ng/ul | 97 |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 43359 | 26.61 | ng/ul | 89 |
| 45) Dimethylphthalate | 14.07 | 163 | 40378 | 7.90 | ng/ul | 99 |
| 50) Acenaphthene | 14.69 | 153 | 93718 | 23.13 | ng/ul | 96 |
| 53) 4-Nitrophenol | 14.86 | 109 | 23297 | 23.35 | ng/ul# | 73 |
| 55) 2,4-Dinitrotoluene | 14.99 | 165 | 35174 | 22.23 | ng/ul | 98 |
| 69) Pentachlorophenol | 17.02 | 266 | 24691 | 26.25 | ng/ul | 95 |
| 80) Pyrene | 19.79 | 202 | 225089 | 25.41 | ng/ul# | 90 |

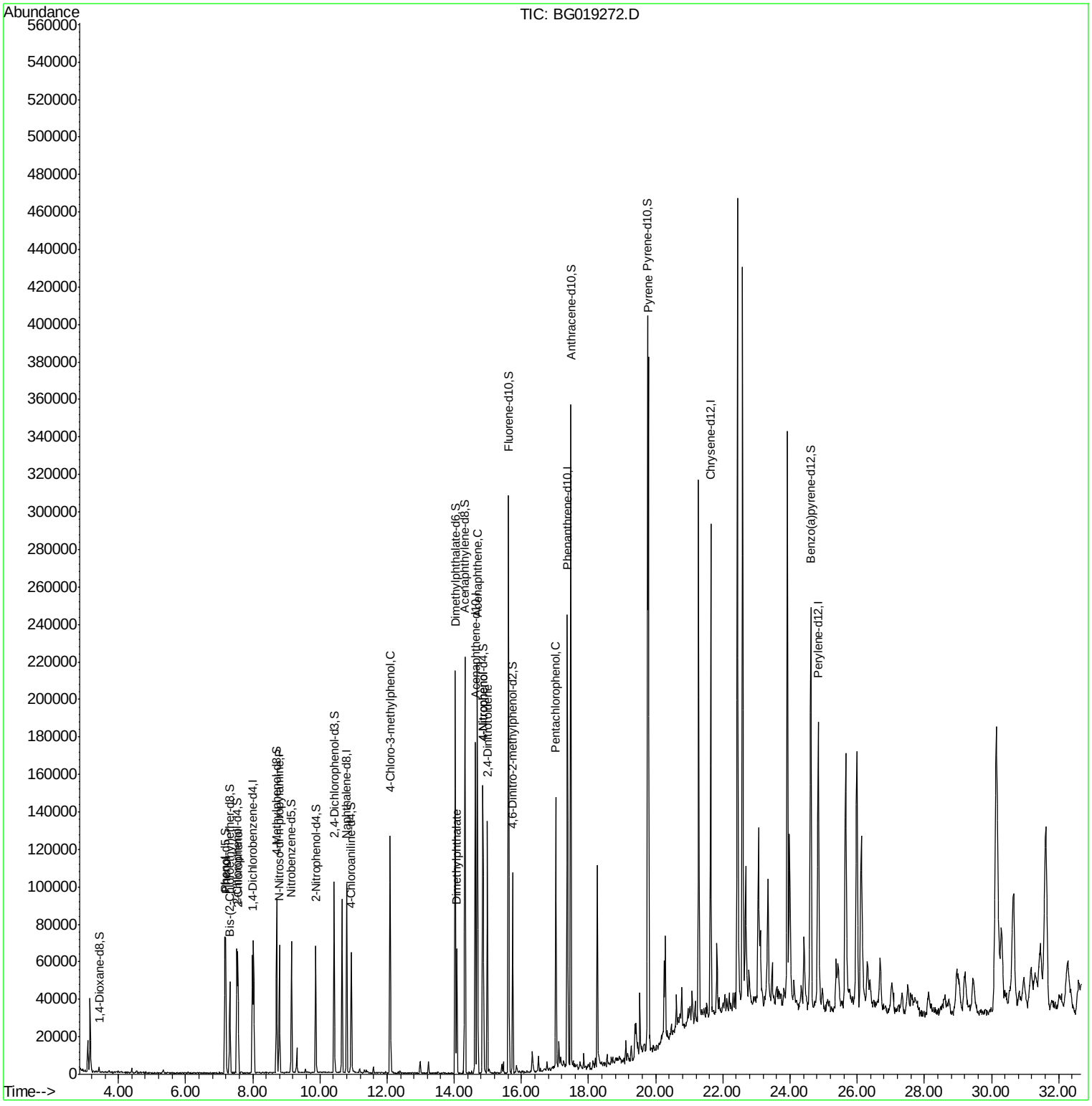
(#) = qualifier out of range (m) = manual integration (+) = signals summed

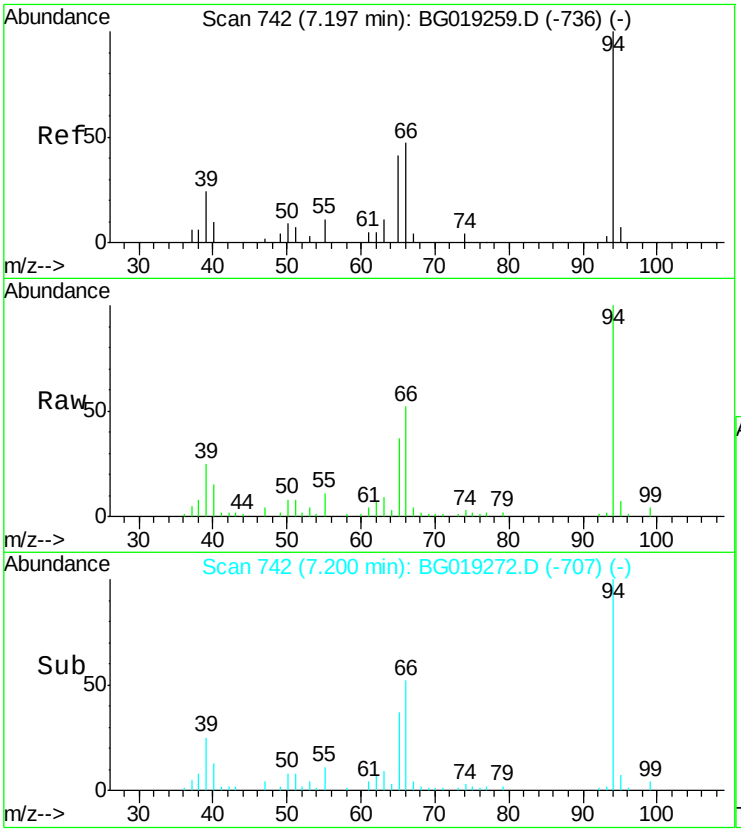
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102015\
Data File : BG019272.D
Acq On : 21 Oct 2015 00:34
Operator : UM/NP
Sample : G4074-21MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JG9J5MS

Quant Time: Oct 21 01:26:25 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 21 01:23:32 2015
Response via : Initial Calibration



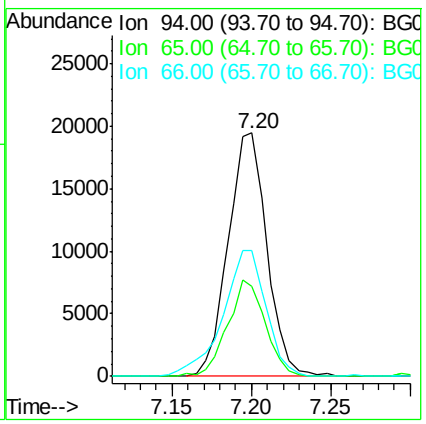


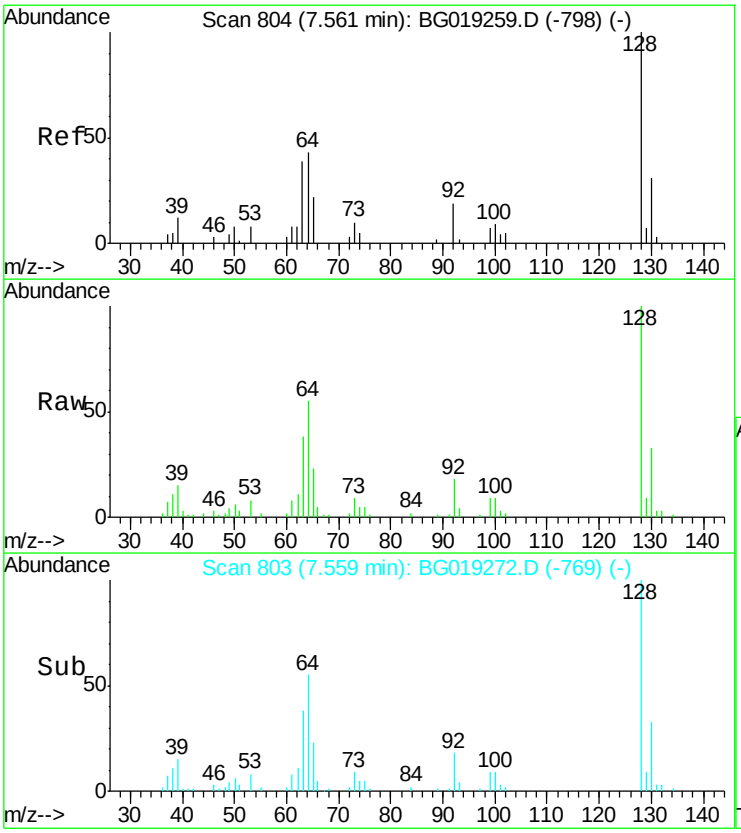

#6
Phenol
Concen:  21.85 ng/ul
RT: 7.20 min  Scan# 742
Delta R.T.  0.00 min
Lab File:  BG019272.D
Acq: 21 Oct 2015  00:34

**Instrument :**
BNA_G
**ClientSampleId :**
JG9J5MS

Tgt Ion: 94 Resp:  32924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.9 | 24.9 | 37.3 |
| 66 | 51.9 | 29.1 | 43.7# |

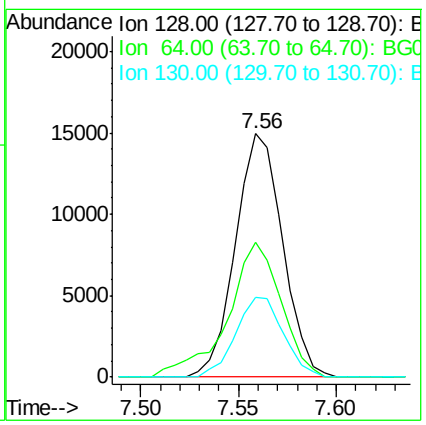


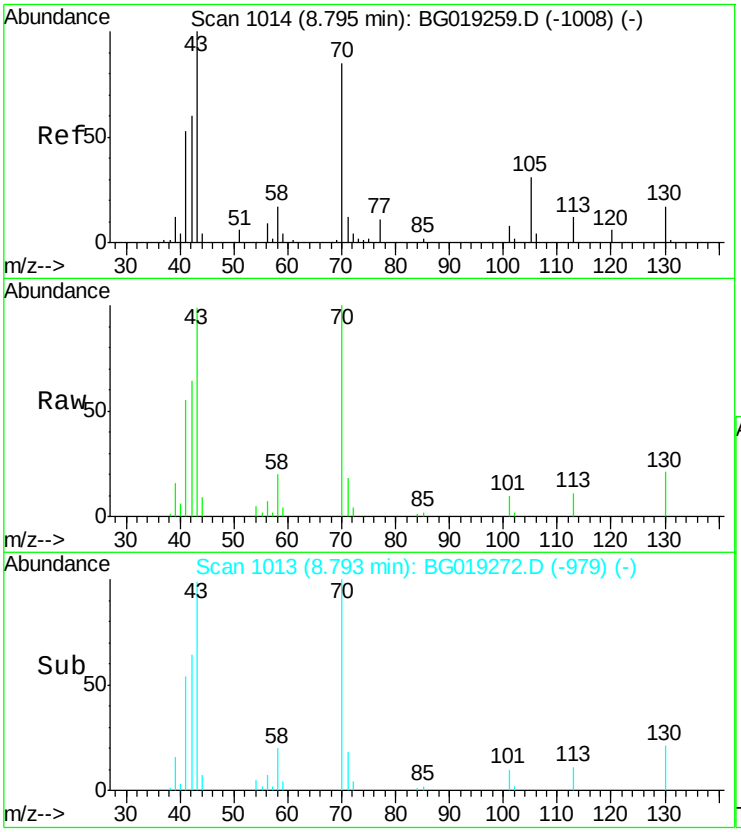




#10
2-Chlorophenol
Concen:  23.12 ng/ul
RT: 7.56 min  Scan# 803
Delta R.T.  -0.00 min
Lab File:  BG019272.D
Acq: 21 Oct 2015  00:34

Tgt Ion:128 Resp:  25041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 64 | 55.5 | 43.3 | 64.9 |
| 130 | 33.0 | 26.5 | 39.7 |



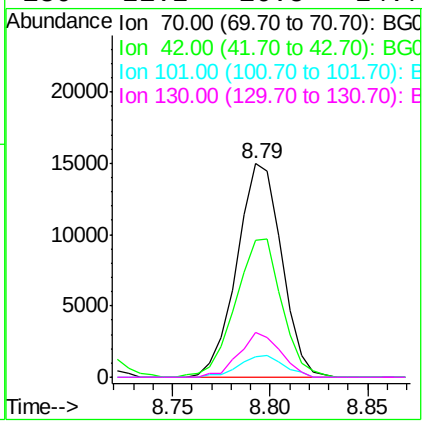


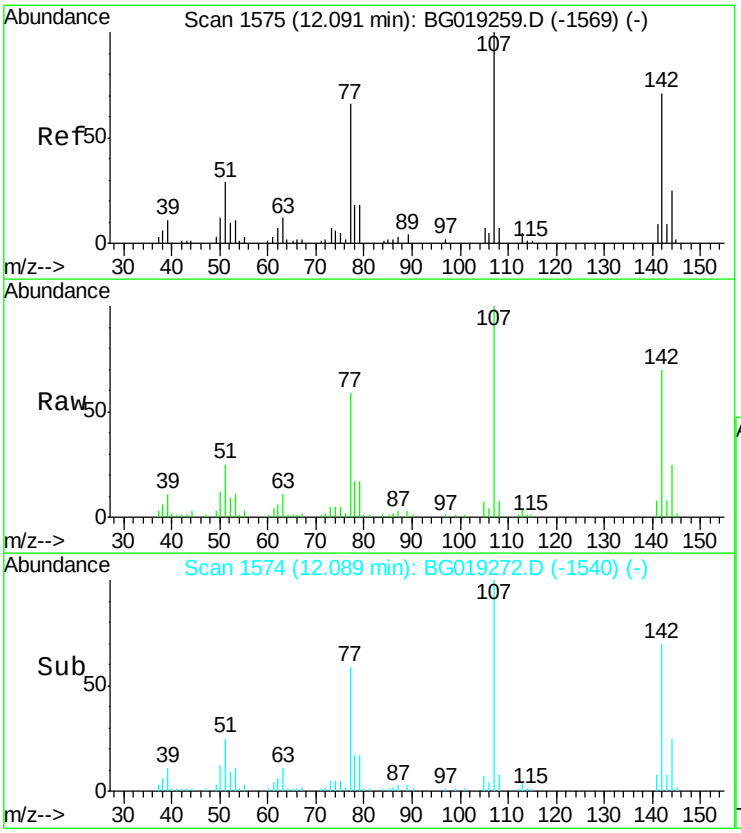

#15
N-Nitroso-di-n-propylamine
Concen: 22.54 ng/ul
RT: 8.79 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

**Instrument :**
BNA_G
**ClientSampleId :**
JG9J5MS

Tgt Ion: 70 Resp: 23836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.2 | 53.6 | 80.4 |
| 101 | 9.9 | 7.9 | 11.9 |
| 130 | 21.2 | 16.5 | 24.7 |

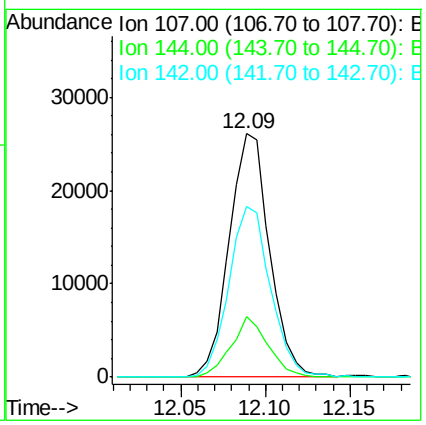


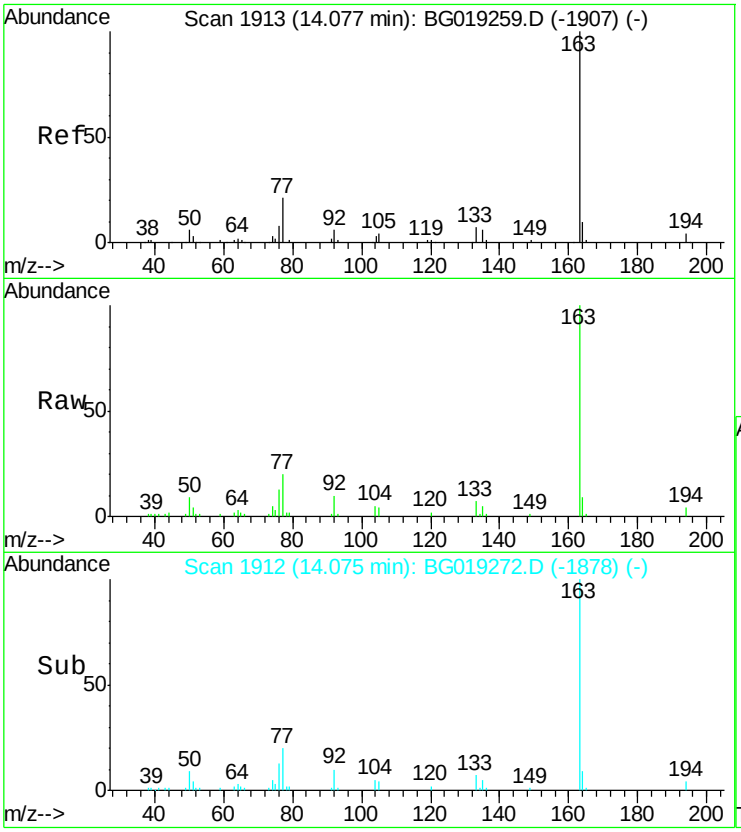




#33
4-Chloro-3-methylphenol
Concen: 26.61 ng/ul
RT: 12.09 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

Tgt Ion:107 Resp: 43359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 20.9 | 31.3 |
| 142 | 69.9 | 65.6 | 98.4 |



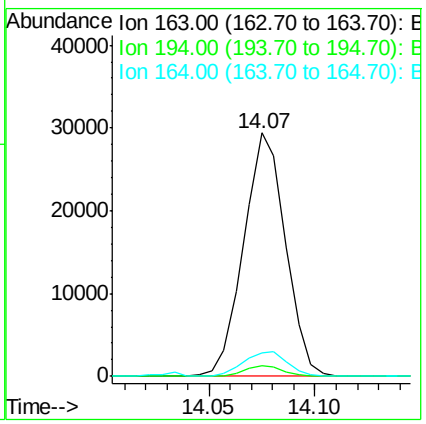


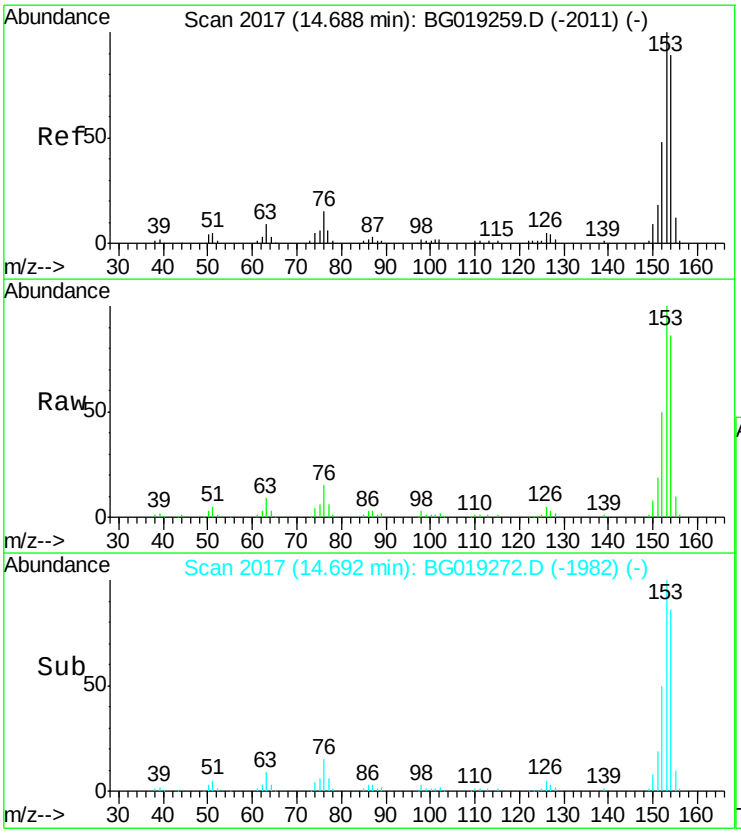

#45
Dimethylphthalate
Concen: 7.90 ng/ul
RT: 14.07 min Scan# 1912
Delta R.T. -0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

**Instrument :**
BNA_G
**ClientSampleId :**
JG9J5MS

Tgt Ion:163 Resp: 40378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.3 | 4.9 |
| 164 | 9.4 | 8.1 | 12.1 |

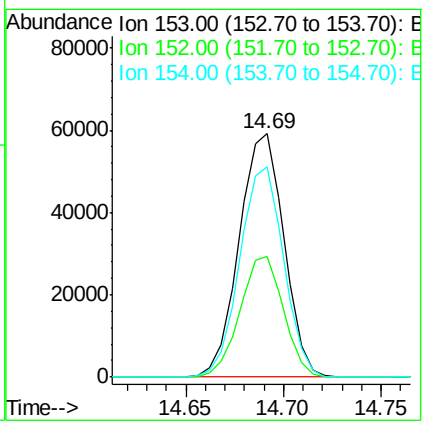


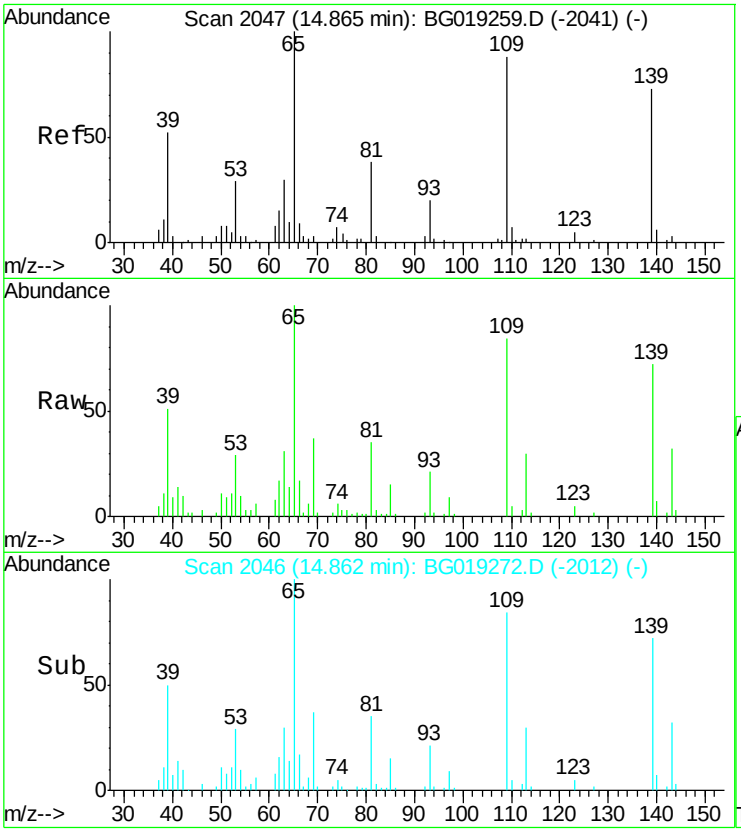




#50
Acenaphthene
Concen: 23.13 ng/ul
RT: 14.69 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

Tgt Ion:153 Resp: 93718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.8 | 36.2 | 54.2 |
| 154 | 86.4 | 67.5 | 101.3 |



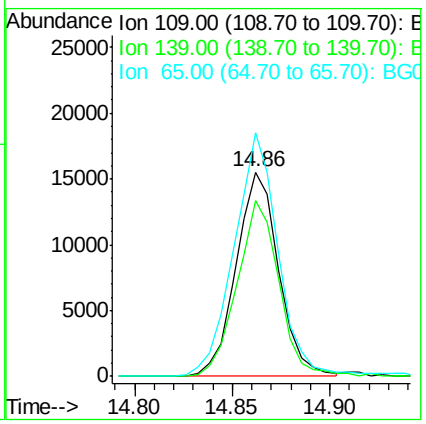


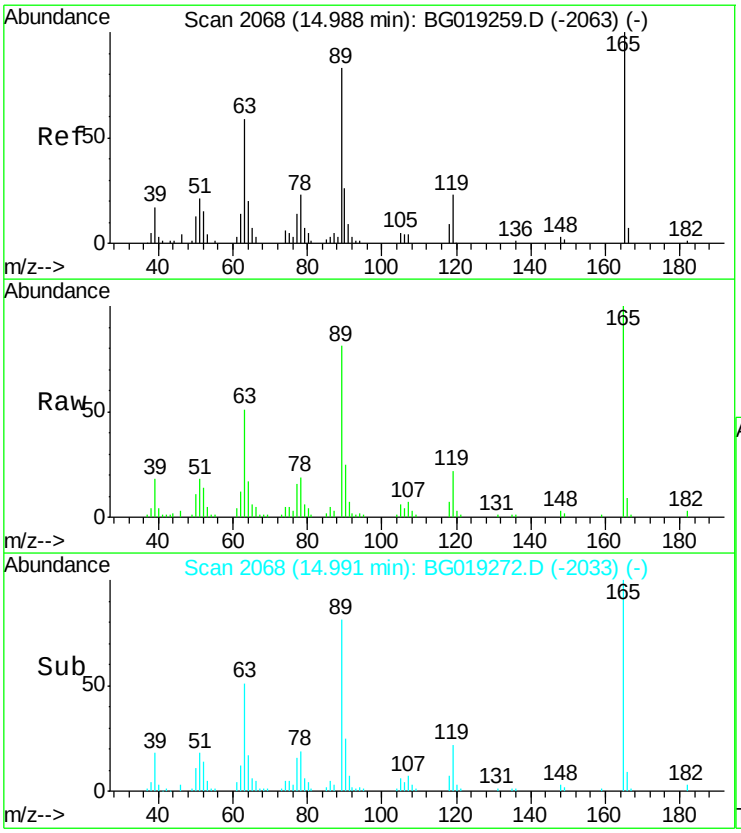

#53
4-Nitrophenol
Concen: 23.35 ng/ul
RT: 14.86 min Scan# 2046
Delta R.T. -0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

**Instrument :**
BNA_G
**ClientSampleId :**
JG9J5MS

Tgt Ion:109 Resp: 23297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 109 | 100 | | |
| 139 | 86.3 | 97.9 | 146.9# |
| 65 | 119.2 | 117.4 | 176.0 |

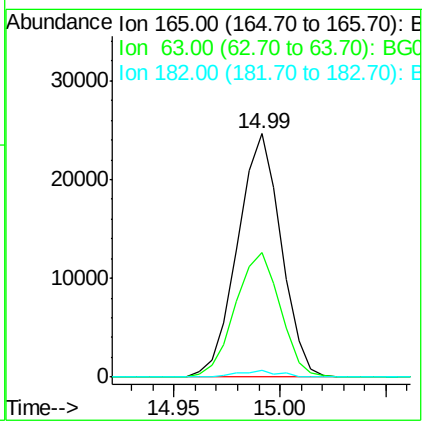


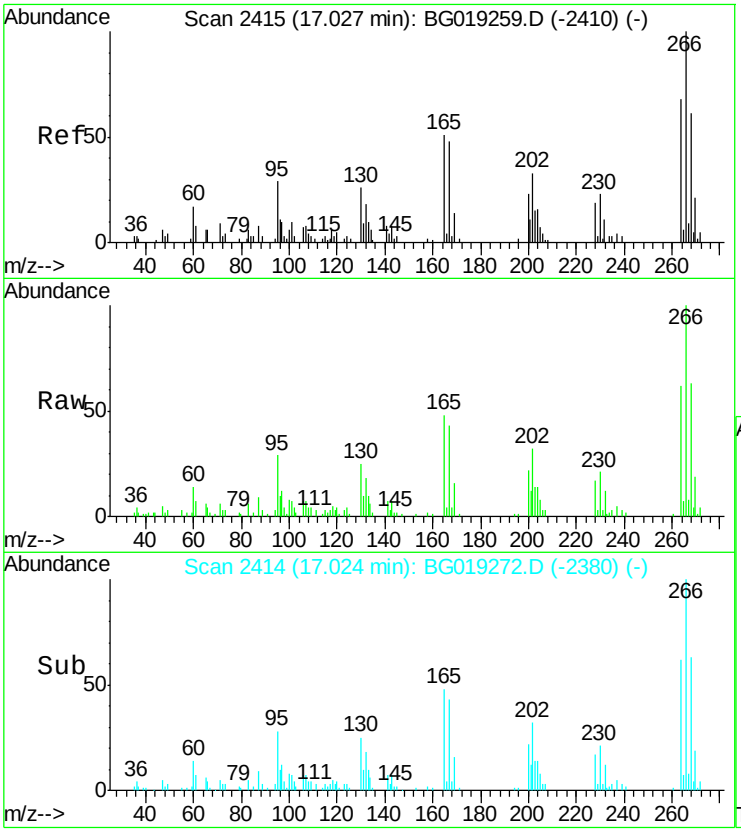




#55
2,4-Dinitrotoluene
Concen: 22.23 ng/ul
RT: 14.99 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

Tgt Ion:165 Resp: 35174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.9 | 39.5 | 59.3 |
| 182 | 2.7 | 2.2 | 3.2 |



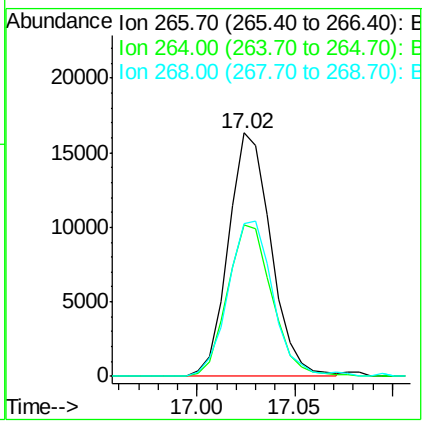


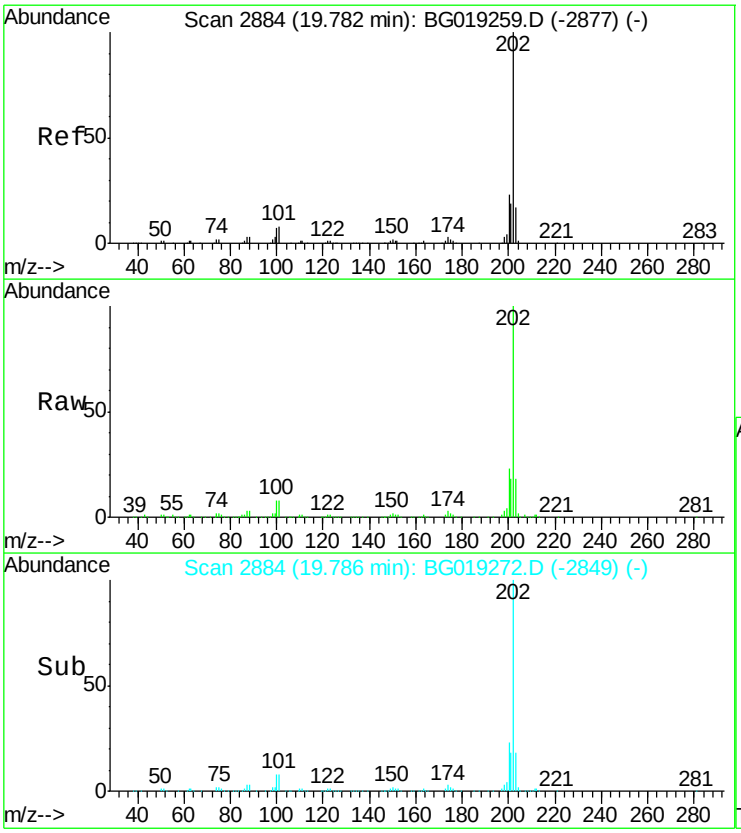

#69
Pentachlorophenol
Concen: 26.25 ng/ul
RT: 17.02 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

**Instrument :**
BNA_G
**ClientSampleId :**
JG9J5MS

Tgt Ion:266 Resp: 24691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.2 | 49.0 | 73.6 |
| 268 | 62.5 | 55.6 | 83.4 |




#80
Pyrene
Concen: 25.41 ng/ul
RT: 19.79 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG019272.D
Acq: 21 Oct 2015 00:34

Tgt Ion:202 Resp: 225089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 10.2 | 15.2# |
| 100 | 7.8 | 8.5 | 12.7# |