Quantitation Report (QT/LSC Reviewed)

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021405.D
Acq On : 10 Mar 2016 12:58
Operator : UM/SJ
Sample : H1616-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BLDG06-P001-SS001-02

**Manual Integrations APPROVED**
Sohil
3/11/2016 5:27:29 PM

Quant Time: Mar 11 11:33:46 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 11 00:30:31 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 16630 | 20.00 | ng/ul | 0.03 |
| 18) Naphthalene-d8 | 10.96 | 136 | 70154 | 20.00 | ng/ul | 0.03 |
| 36) Acenaphthene-d10 | 14.76 | 164 | 37971 | 20.00 | ng/ul | 0.03 |
| 62) Phenanthrene-d10 | 17.50 | 188 | 81439 | 20.00 | ng/ul | 0.03 |
| 78) Chrysene-d12 | 21.77 | 240 | 70475 | 20.00 | ng/ul | 0.04 |
| 86) Perylene-d12 | 25.32 | 264 | 153910m | 20.00 | ng/ul | 0.32 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.53 | 96 | 816 | 2.30 | ng/uL | 0.01 |
| 5) Phenol-d5 | 7.30 | 99 | 23912 | 12.70 | ng/ul | 0.03 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.46 | 67 | 17894 | 14.79 | ng/ul | 0.02 |
| 9) 2-Chlorophenol-d4 | 7.67 | 132 | 18613 | 14.48 | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8 | 8.84 | 113 | 15857 | 10.42 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 9.31 | 128 | 10803 | 19.11 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4 | 10.03 | 143 | 10850 | 17.48 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3 | 10.58 | 165 | 16018 | 14.20 | ng/ul | 0.04 |
| 29) 4-Chloroaniline-d4 | 10.92 | 131 | 132 | 0.09 | ng/ul | -0.13 |
| 44) Dimethylphthalate-d6 | 14.15 | 166 | 52861 | 16.09 | ng/ul | 0.02 |
| 47) Acenaphthylene-d8 | 14.45 | 160 | 67398 | 16.83 | ng/ul | 0.02 |
| 52) 4-Nitrophenol-d4 | 14.96 | 143 | 4545 | 7.31 | ng/ul | 0.04 |
| 58) Fluorene-d10 | 15.75 | 176 | 46281 | 16.03 | ng/ul | 0.03 |
| 63) 4,6-Dinitro-2-methylphenol | 15.86 | 200 | 2793 | 5.13 | ng/ul | 0.03 |
| 71) Anthracene-d10 | 17.60 | 188 | 62608 | 15.40 | ng/ul | 0.03 |
| 79) Pyrene-d10 | 19.87 | 212 | 76424 | 21.25 | ng/ul | 0.03 |
| 90) Benzo(a)pyrene-d12 | 25.10 | 264 | 72821m | 8.85 | ng/ul | 0.33 |
| **Target Compounds** | | | | | | Qvalue |
| 14) Acetophenone | 8.97 | 105 | 5218 | 2.08 | ng/ul | 94 |
| 28) Naphthalene | 11.01 | 128 | 381156 | 96.89 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.60 | 142 | 4756 | 1.63 | ng/ul# | 40 |
| 45) Dimethylphthalate | 14.20 | 163 | 23554 | 6.71 | ng/ul | 98 |
| 70) Phenanthrene | 17.54 | 178 | 19892 | 4.11 | ng/ul# | 87 |
| 77) Fluoranthene | 19.54 | 202 | 23019m | 4.11 | ng/ul | |
| 80) Pyrene | 19.90 | 202 | 29113 | 6.17 | ng/ul# | 89 |

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

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**Instrument :**
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 11 00:30:31 2016
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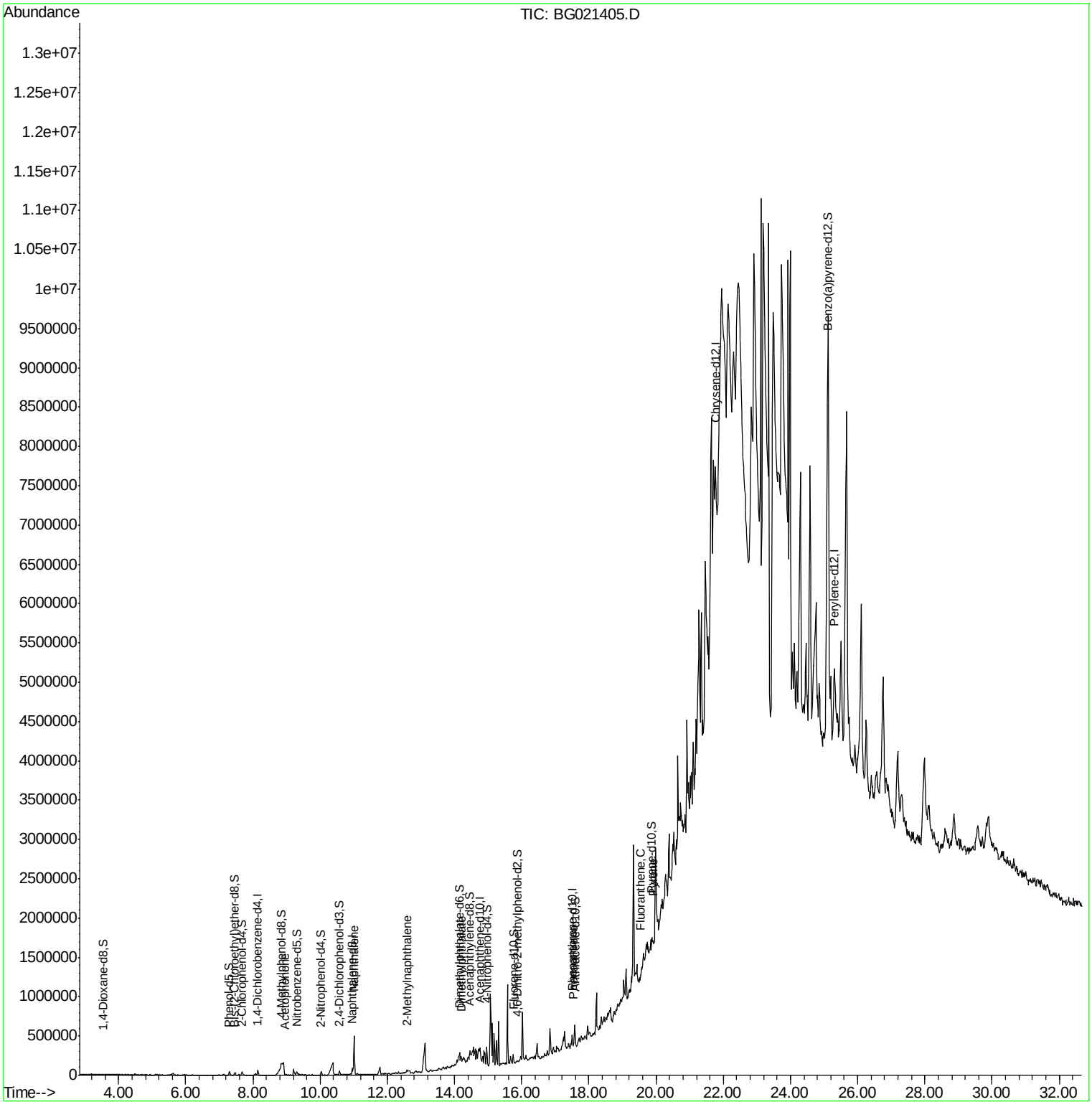
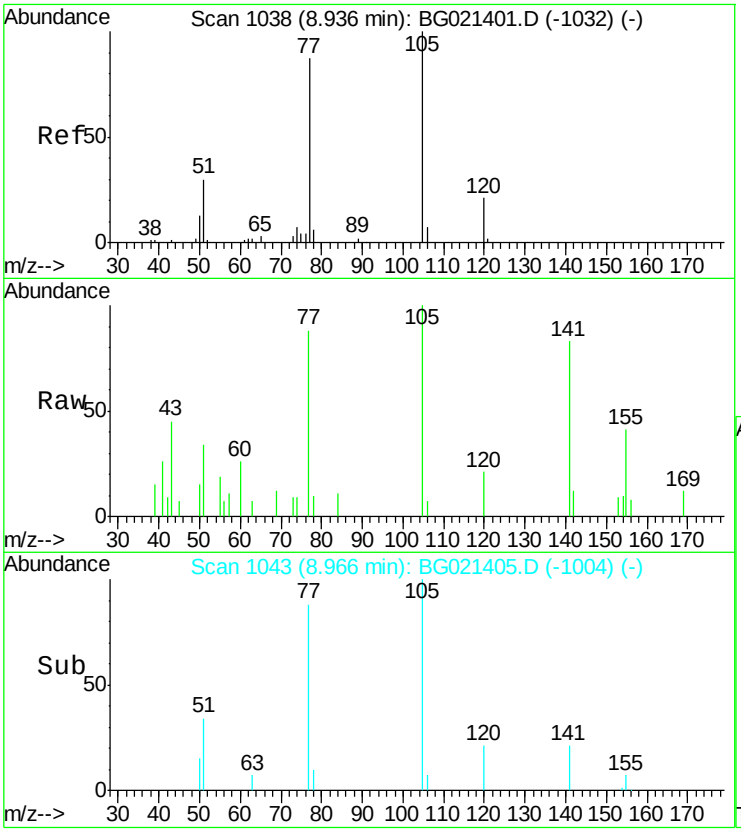
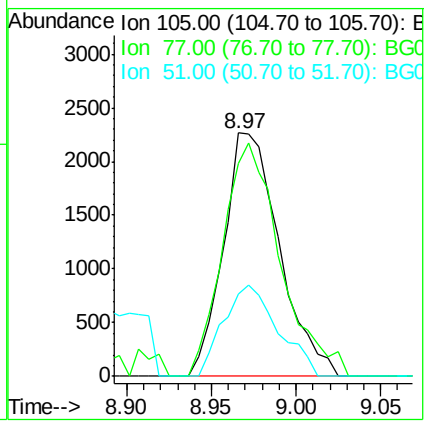





#14
Acetophenone
Concen: 2.08 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. 0.03 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:105 Resp: 5218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 87.5 | 76.3 | 114.5 |
| 51 | 34.0 | 27.6 | 41.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
BLDG06-P001-SS001-02

**Manual Integrations APPROVED**
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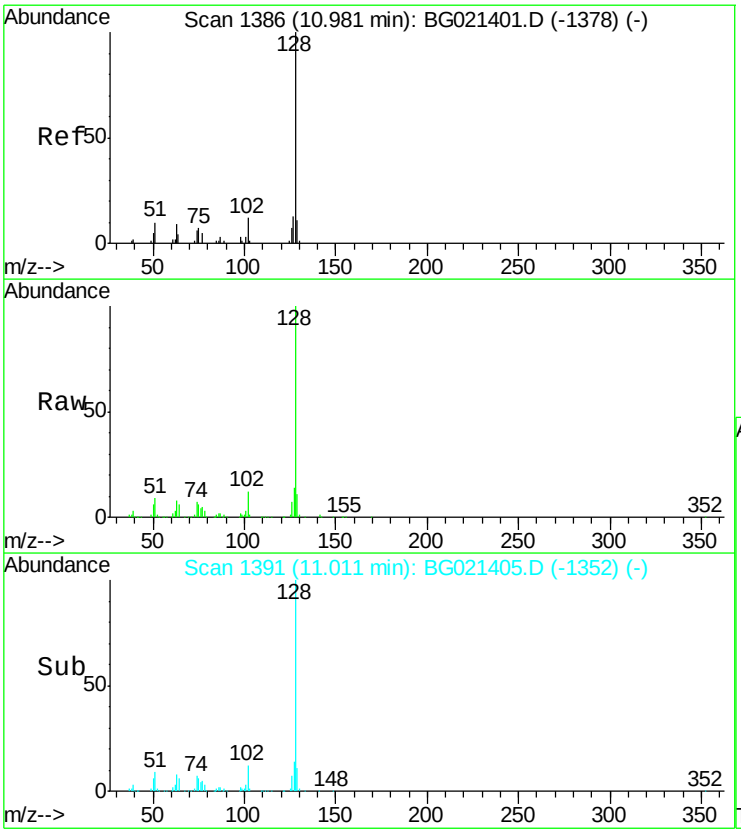
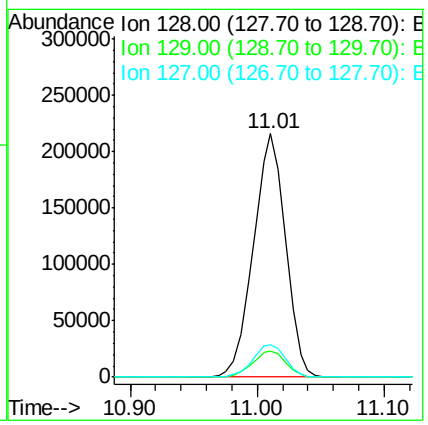
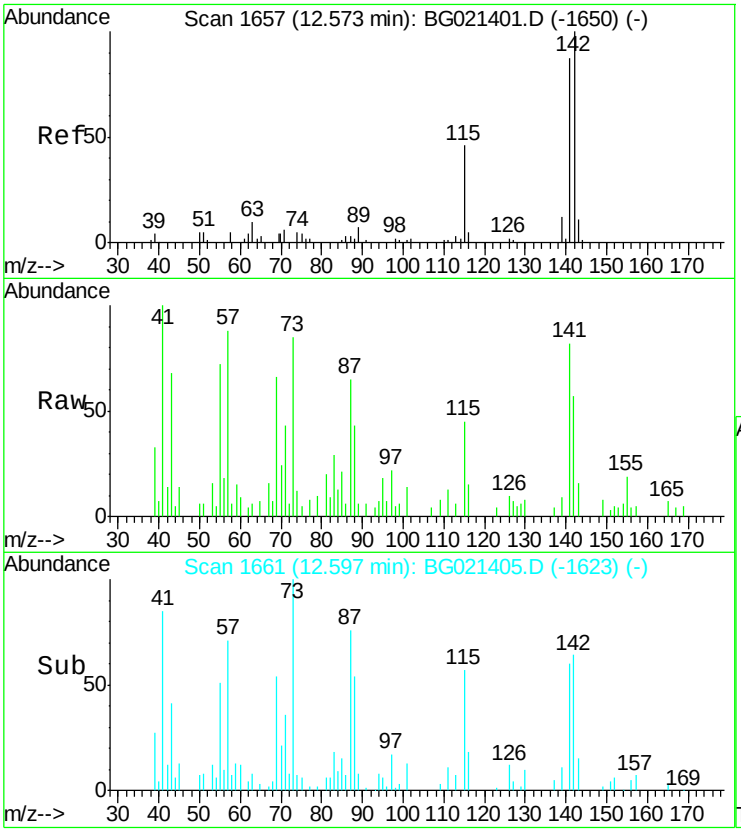



#28
Naphthalene
Concen: 96.89 ng/ul
RT: 11.01 min Scan# 1391
Delta R.T. 0.03 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:128 Resp: 381156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.3 | 12.5 |
| 127 | 13.5 | 10.8 | 16.2 |






#34
2-Methylnaphthalene
Concen: 1.63 ng/ul
RT: 12.60 min Scan# 1661
Delta R.T. 0.02 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:142 Resp: 4756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 145.1 | 71.3 | 106.9# |

**Instrument :**
BNA_G
**ClientSampleId :**
BLDG06-P001-SS001-02

**Manual Integrations APPROVED**
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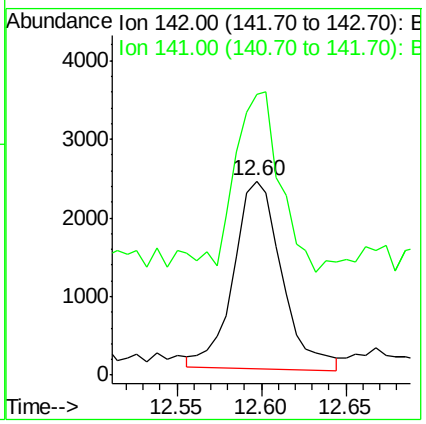
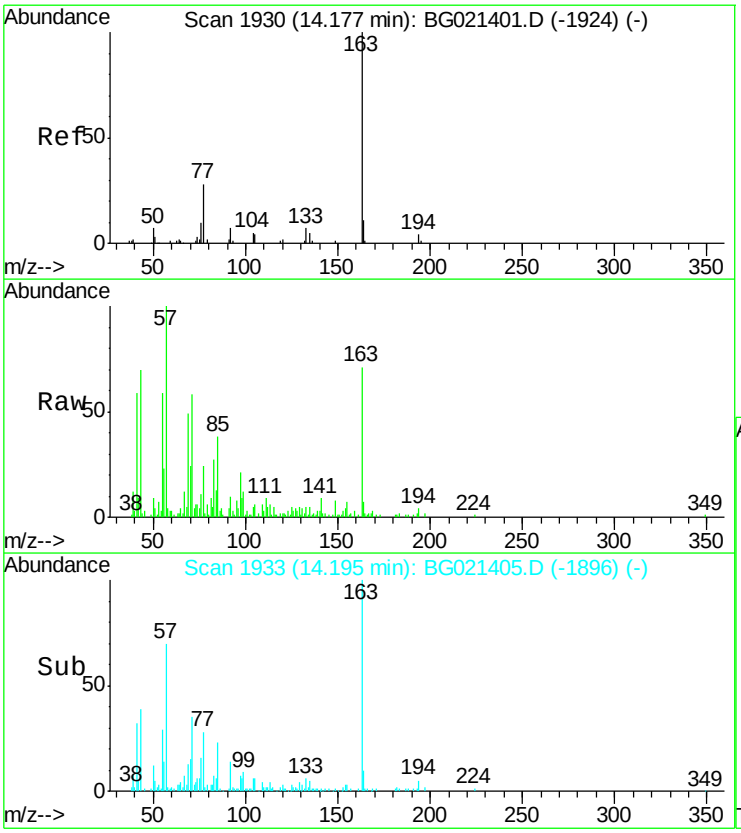
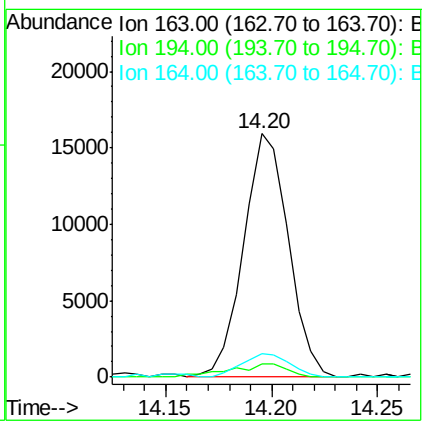


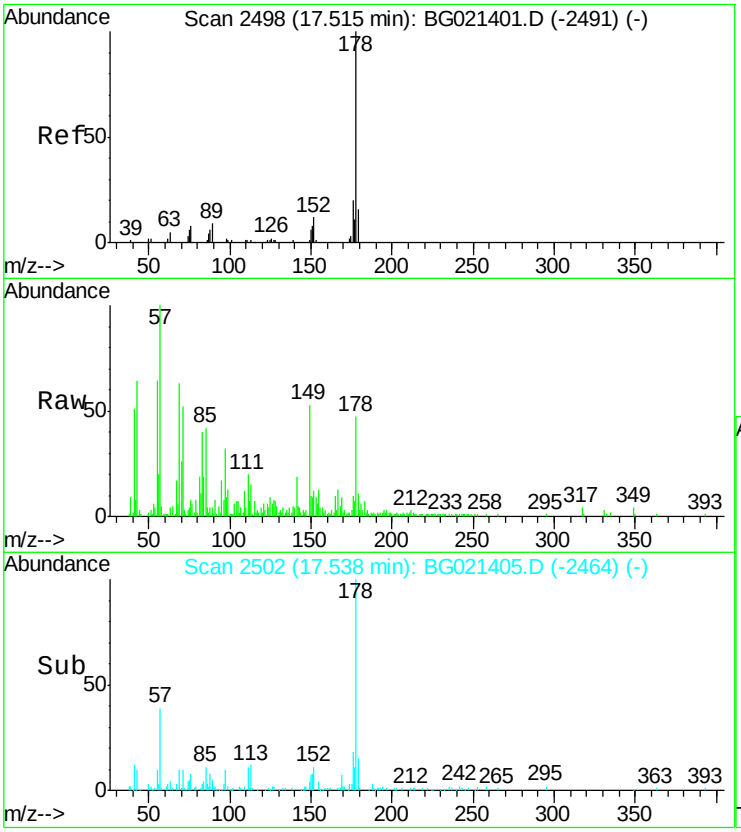




#45
Dimethylphthalate
Concen: 6.71 ng/ul
RT: 14.20 min Scan# 1933
Delta R.T. 0.02 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:163 Resp: 23554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.2 | 3.9 | 5.9 |
| 164 | 9.8 | 8.7 | 13.1 |






#70
Phenanthrene
Concen: 4.11 ng/ul
RT: 17.54 min Scan# 2502
Delta R.T. 0.02 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:178 Resp: 19892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 23.6 | 11.8 | 17.8# |
| 176 | 21.7 | 14.8 | 22.2 |

**Instrument :**
BNA_G
**ClientSampleId :**
BLDG06-P001-SS001-02

**Manual Integrations APPROVED**
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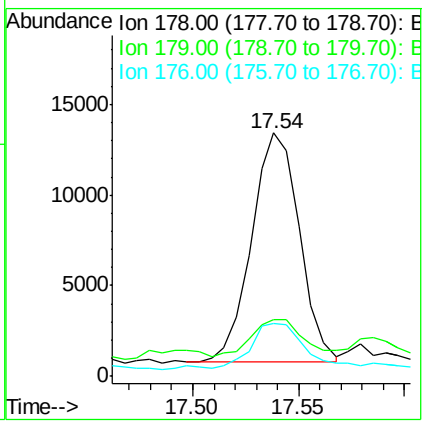
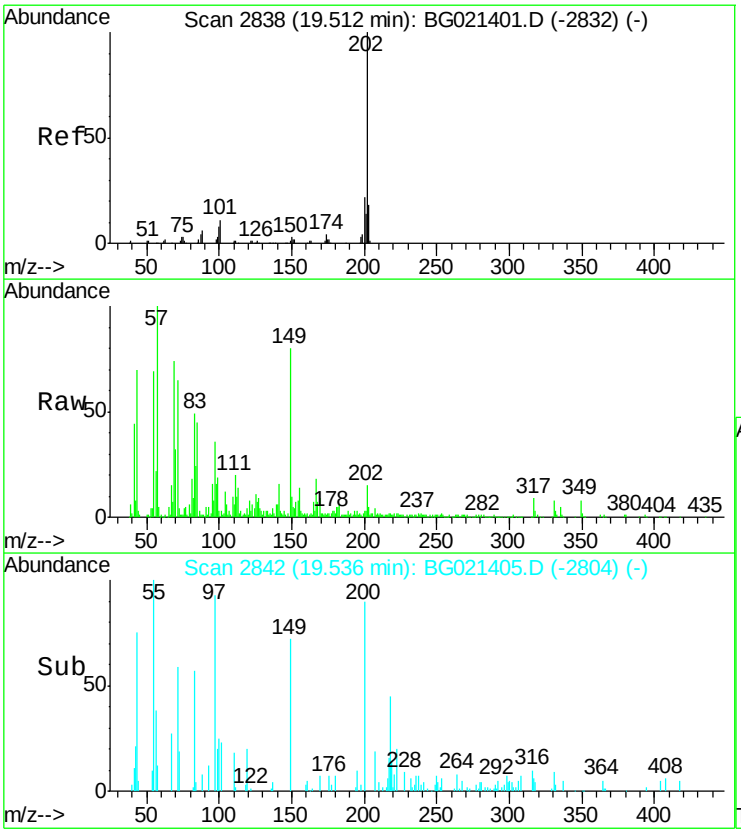
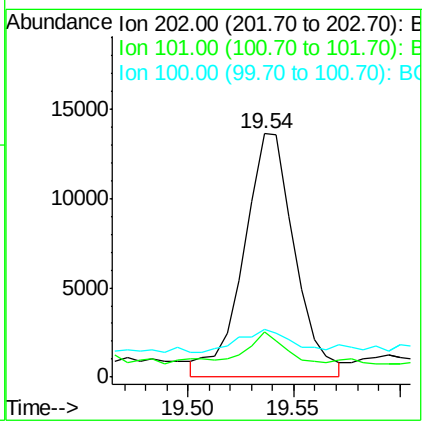


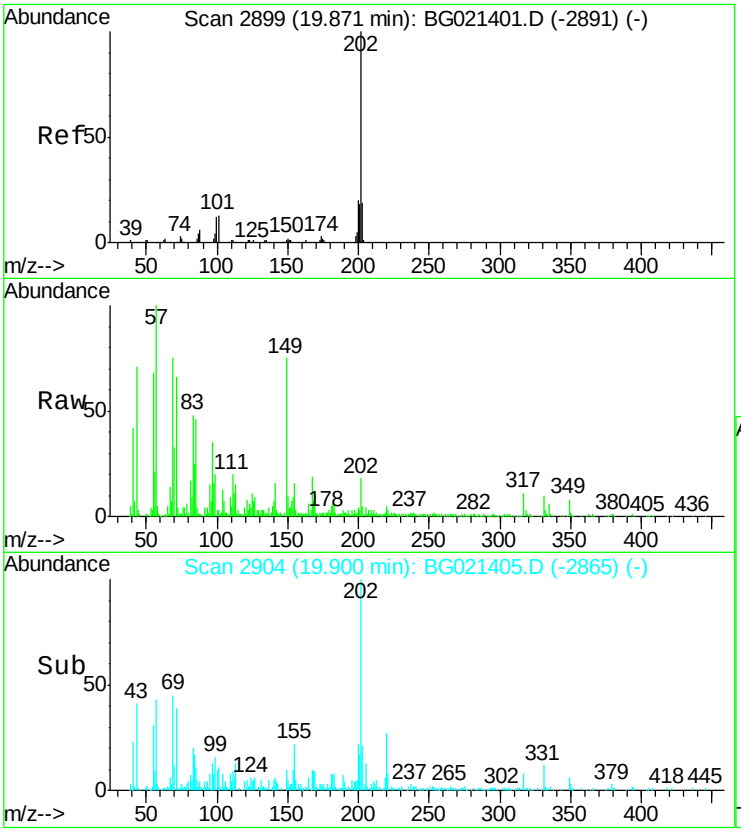




#77
Fluoranthene
Concen: 4.11 ng/ul m
RT: 19.54 min Scan# 2842
Delta R.T. 0.02 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:202 Resp: 23019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.3 | 8.9 | 13.3# |
| 100 | 19.6 | 7.0 | 10.4# |

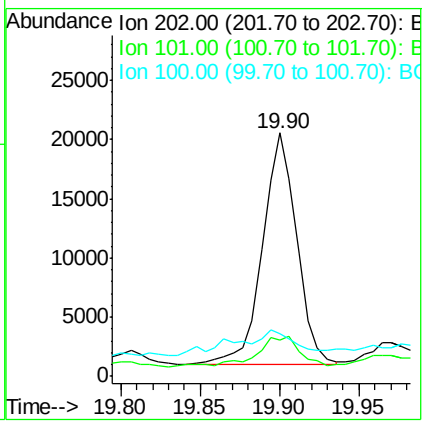





#80
Pyrene
Concen: 6.17 ng/ul
RT: 19.90 min Scan# 2904
Delta R.T. 0.03 min
Lab File: BG021405.D
Acq: 10 Mar 2016 12:58

Tgt Ion:202 Resp: 29113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.1 | 9.8 | 14.8# |
| 100 | 17.3 | 9.3 | 13.9# |




**Instrument :**
BNA_G
**ClientSampleId :**
BLDG06-P001-SS001-02

**Manual Integrations APPROVED**
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