Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5D37

Manual Integrations APPROVED
mohammad
6/19/2017 9:13:35 AM

Quant Time: Jun 19 02:21:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.52 | 152 | 92006 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.34 | 136 | 492519 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.10 | 164 | 316259 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.85 | 188 | 691064 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.24 | 240 | 783705 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.92 | 264 | 756540 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 4.07 | 96 | 3361 | 1.46 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.65 | 99 | 126901 | 12.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.83 | 67 | 91576 | 13.47 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.05 | 132 | 85909 | 13.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.19 | 113 | 108530 | 13.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.68 | 128 | 48818 | 13.65 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.40 | 143 | 48550 | 12.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.94 | 165 | 93552 | 13.03 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.46 | 131 | 125626 | 13.82 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.49 | 166 | 349592 | 13.20 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.80 | 160 | 413609 | 13.56 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.28 | 143 | 10743 | 2.07 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.09 | 176 | 314202 | 12.65 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.19 | 200 | 10528 | 2.45 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.95 | 188 | 475486 | 14.76 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.22 | 212 | 546035 | 14.27 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.66 | 264 | 511485 | 15.01 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.68 | 94 | 11182 | 1.069 | ng/ul | 92 |
| 28) Naphthalene | 11.39 | 128 | 54937 | 2.171 | ng/ul | 98 |
| 44) Dimethylphthalate | 14.53 | 163 | 99860 | 3.802 | ng/ul | 97 |
| 47) Acenaphthylene | 14.84 | 152 | 32888 | 1.076 | ng/ul | 97 |
| 69) Phenanthrene | 17.90 | 178 | 143542 | 3.865 | ng/ul | 97 |
| 71) Anthracene | 17.99 | 178 | 89186 | 2.362 | ng/ul | 95 |
| 72) Carbazole | 18.25 | 167 | 45047 | 1.387 | ng/ul | 99 |
| 74) Fluoranthene | 19.89 | 202 | 1257591 | 30.097 | ng/ul# | 86 |
| 77) Pyrene | 20.26 | 202 | 1540685 | 33.258 | ng/ul# | 81 |
| 80) Benzo(a)anthracene | 22.21 | 228 | 965148 | 22.115 | ng/ul | 96 |
| 82) Chrysene | 22.29 | 228 | 1180505 | 29.950 | ng/ul | 95 |
| 85) Benzo(b)fluoranthene | 24.75 | 252 | 2476764 | 54.969 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 24.81 | 252 | 713815m | 16.482 | ng/ul | |
| 88) Benzo(a)pyrene | 25.74 | 252 | 1057686 | 24.449 | ng/ul# | 94 |
| 89) Indeno(1,2,3-cd)pyrene | 30.12 | 276 | 733575 | 14.854 | ng/ul# | 88 |
| 90) Dibenzo(a,h)anthracene | 30.16 | 278 | 212422 | 5.010 | ng/ul# | 91 |
| 91) Benzo(g,h,i)perylene | 31.44 | 276 | 430412 | 10.645 | ng/ul# | 89 |

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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Sample : I3599-03
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

**Manual Integrations APPROVED**
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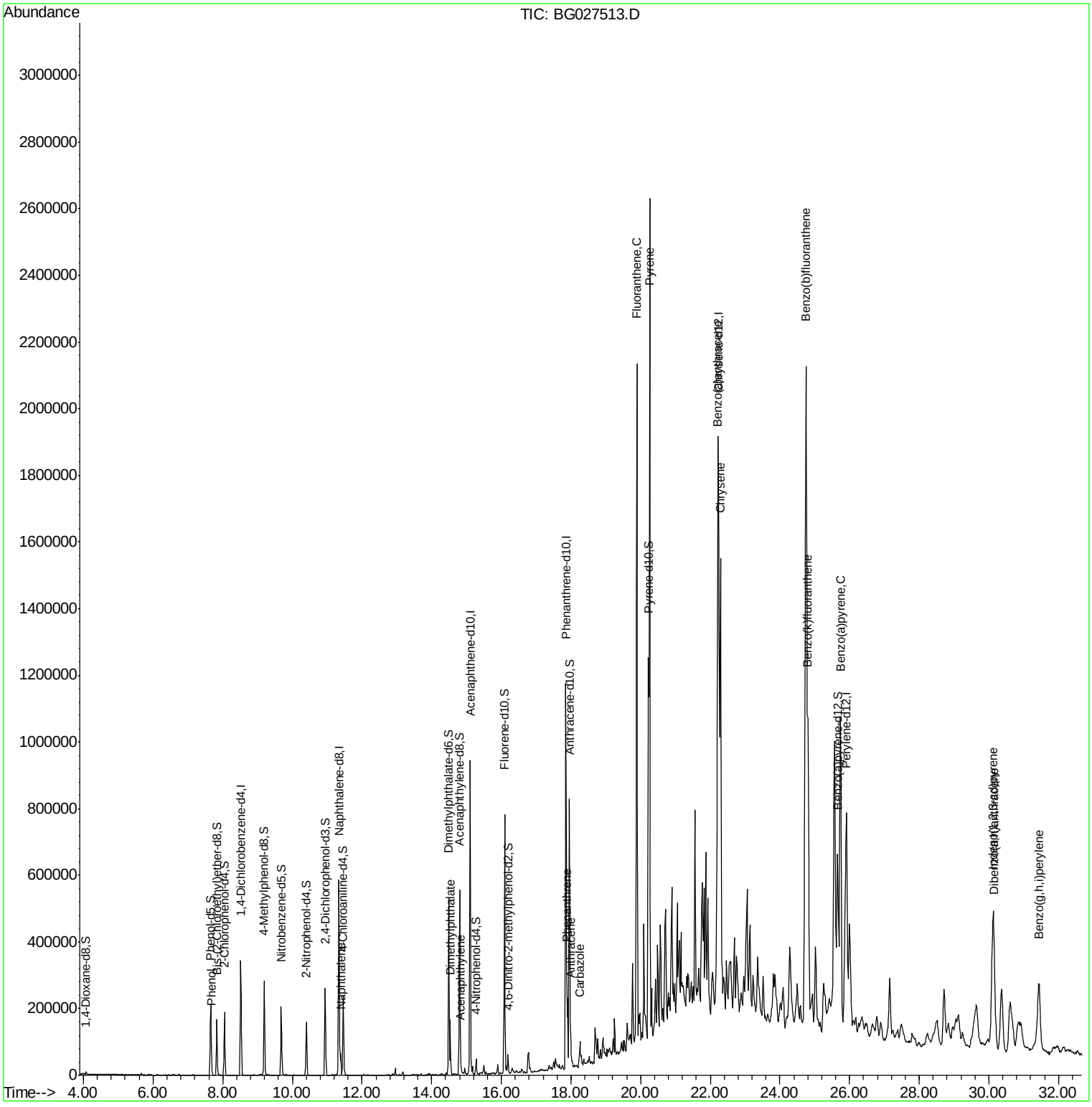
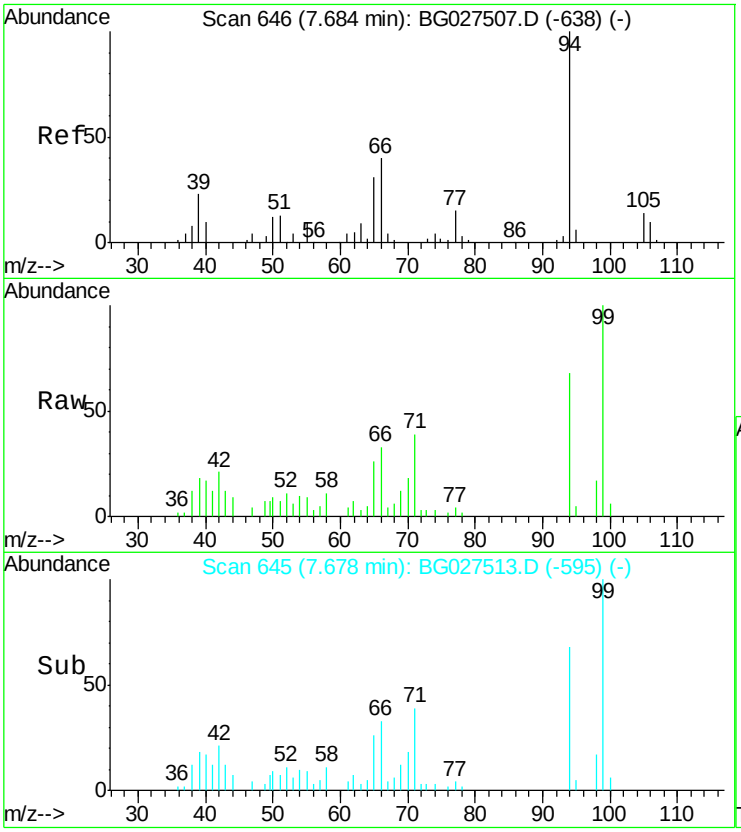
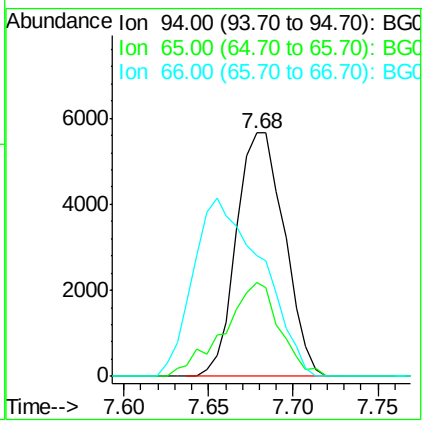





#6
Phenol
Concen: 1.069 ng/ul
RT: 7.68 min Scan# 645
Delta R.T. -0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion: 94 Resp: 11182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.5 | 26.8 | 40.2 |
| 66 | 49.6 | 44.4 | 66.6 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

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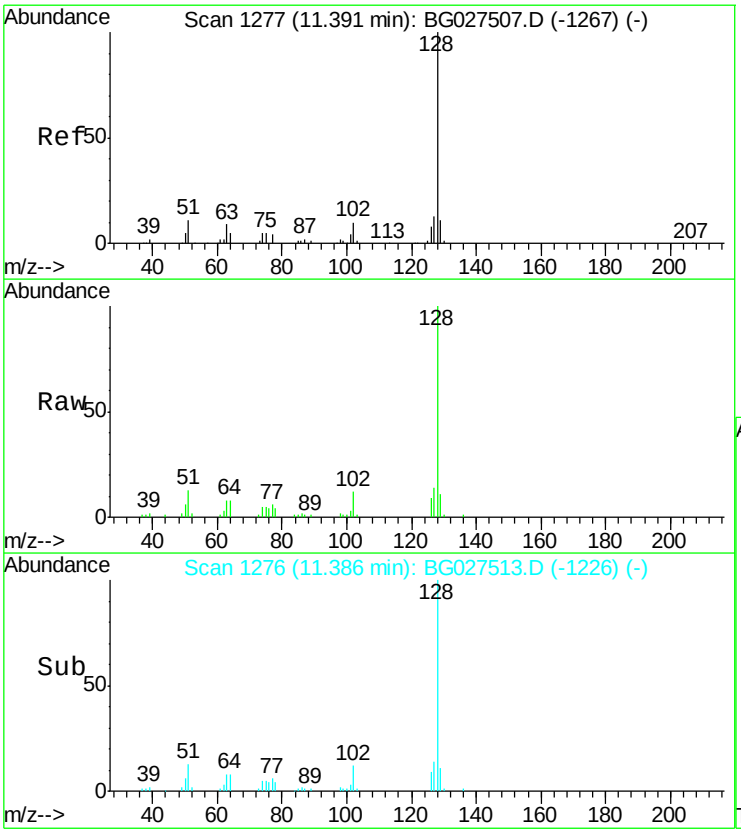
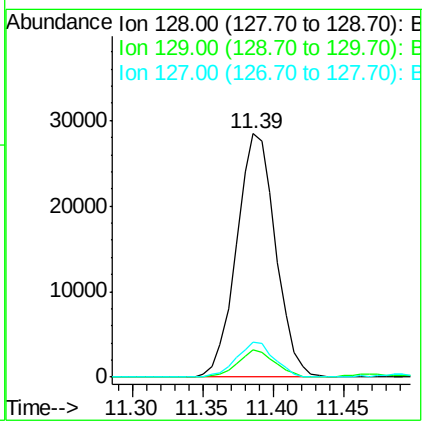
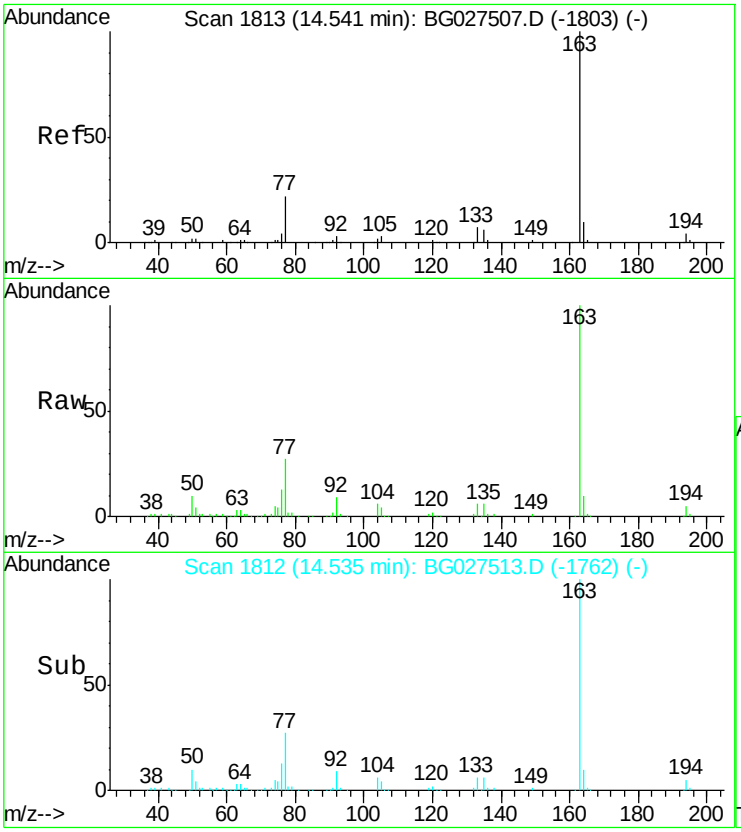



#28
Naphthalene
Concen: 2.171 ng/ul
RT: 11.39 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:128 Resp: 54937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.4 | 14.2 |
| 127 | 14.1 | 10.3 | 15.5 |

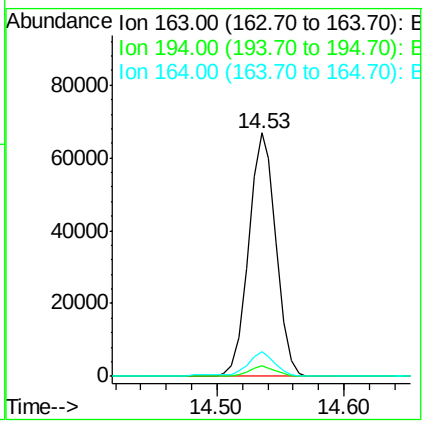





#44
Dimethylphthalate
Concen: 3.802 ng/ul
RT: 14.53 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:163 Resp: 99860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.4 | 5.0 |
| 164 | 10.0 | 9.0 | 13.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

**Manual Integrations APPROVED**
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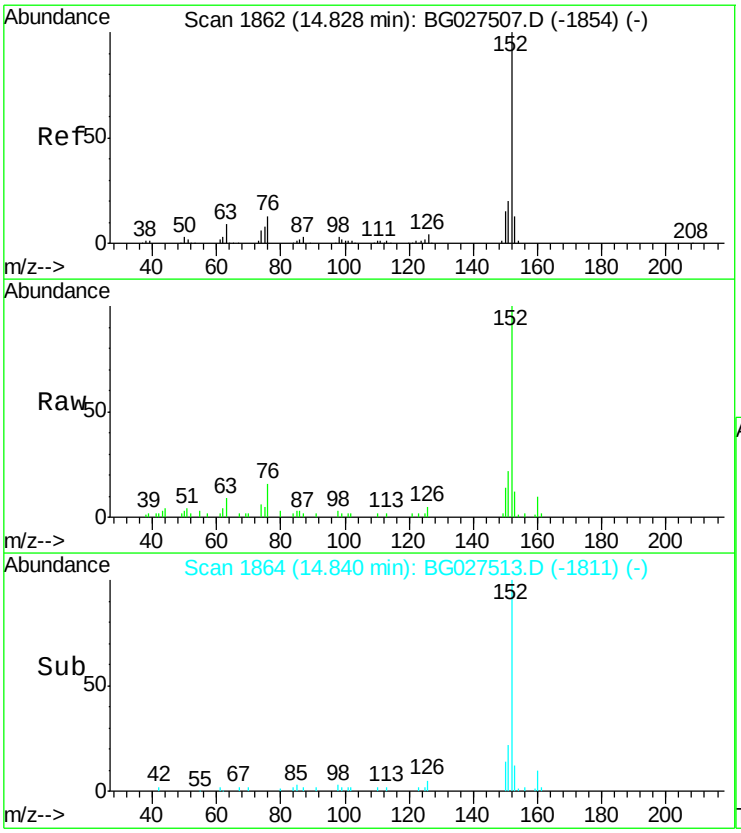
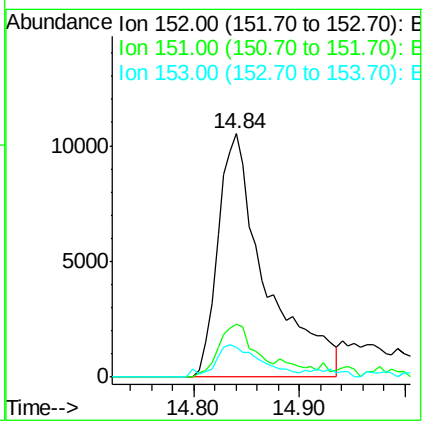
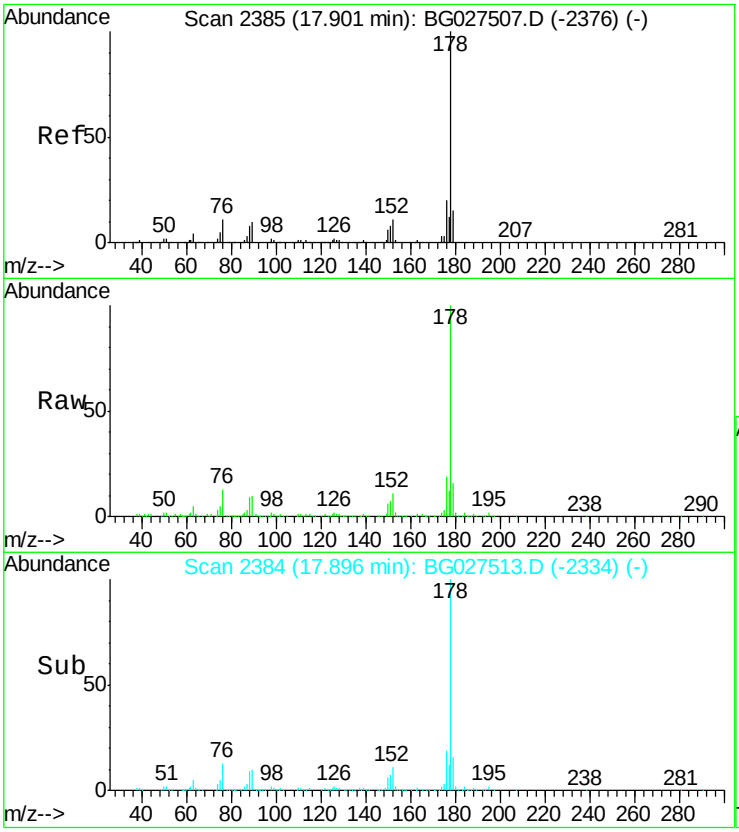



#47
Acenaphthylene
Concen: 1.076 ng/ul
RT: 14.84 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:152 Resp: 32888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.8 | 16.7 | 25.1 |
| 153 | 12.3 | 11.4 | 17.2 |

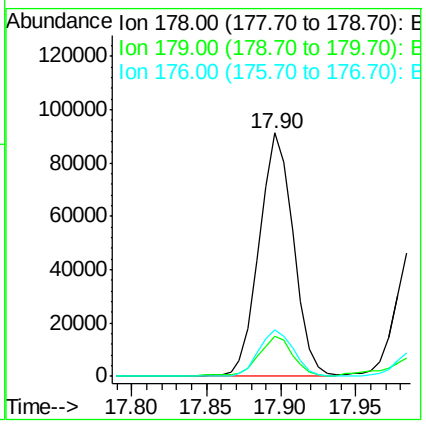





#69
Phenanthrene
Concen: 3.865 ng/ul
RT: 17.90 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:178 Resp: 143542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 12.4 | 18.6 |
| 176 | 19.0 | 16.5 | 24.7 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

**Manual Integrations APPROVED**
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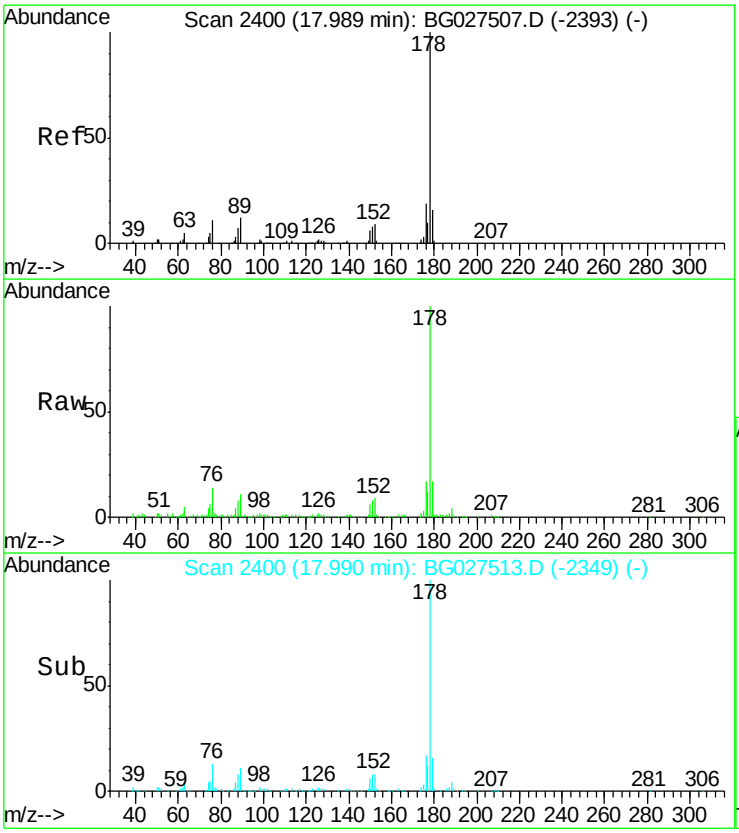
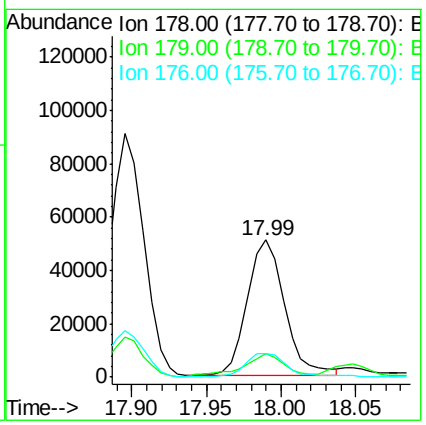
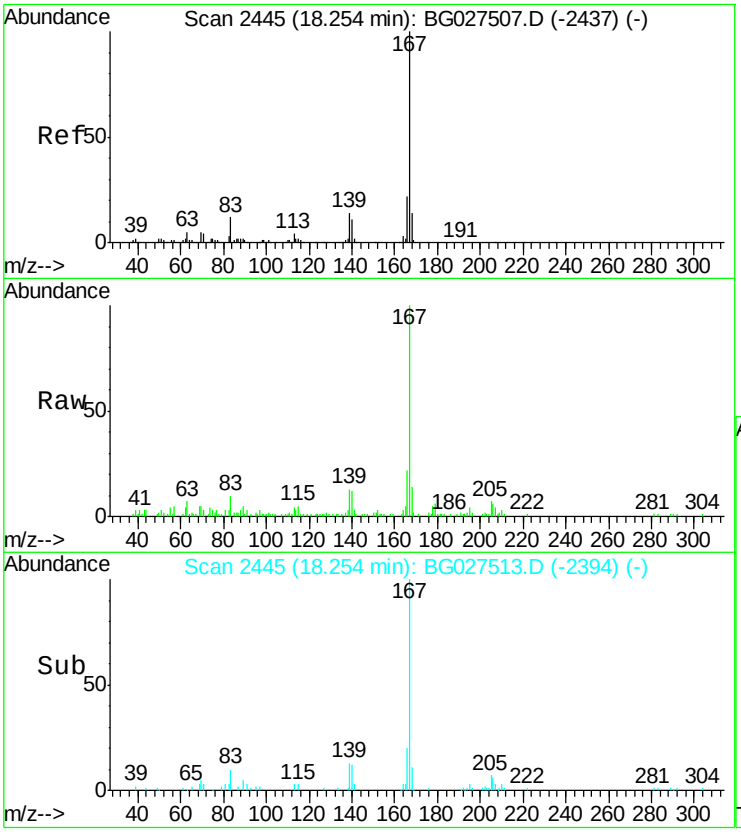



#71
Anthracene
Concen: 2.362 ng/ul
RT: 17.99 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:178 Resp: 89186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 12.6 | 19.0 |
| 176 | 16.7 | 15.9 | 23.9 |

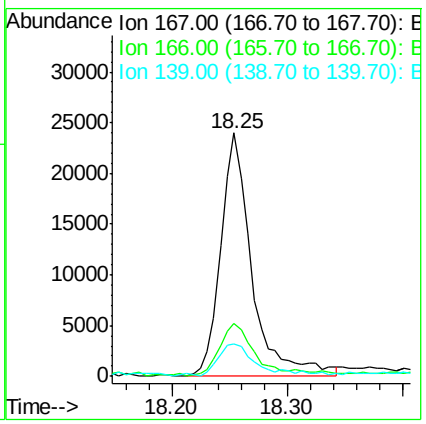





#72
Carbazole
Concen: 1.387 ng/ul
RT: 18.25 min Scan# 2445
Delta R.T. 0.00 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:167 Resp: 45047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.9 | 26.9 |
| 139 | 13.4 | 10.5 | 15.7 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

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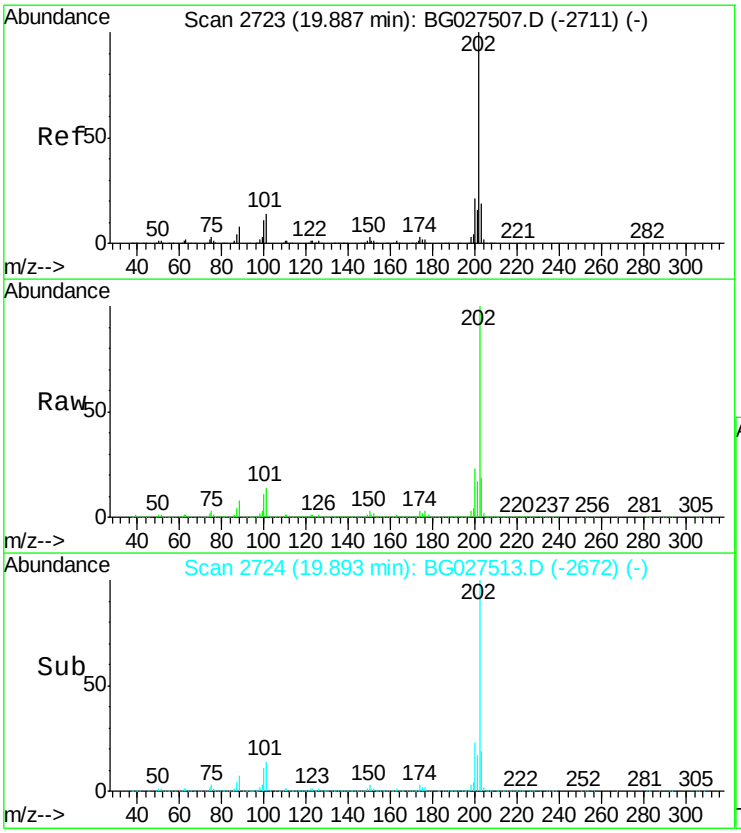
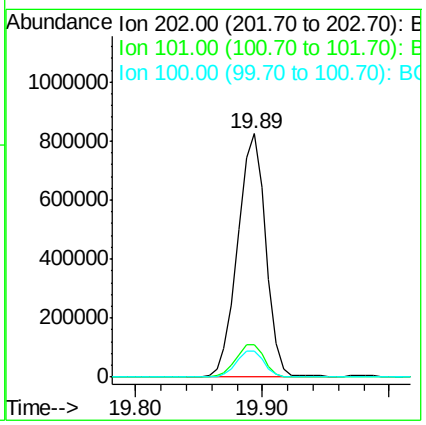
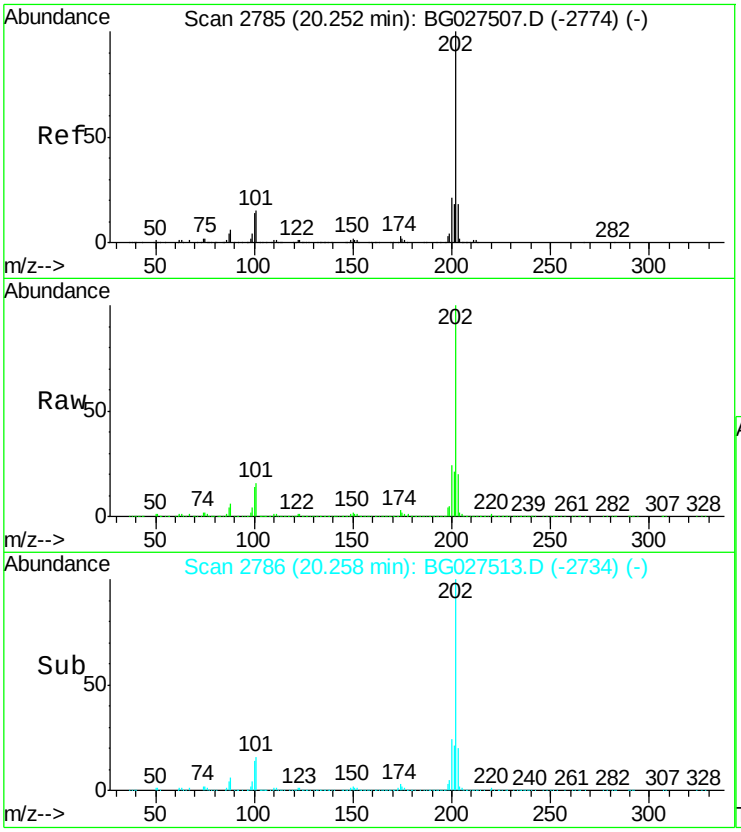



#74
Fluoranthene
Concen: 30.097 ng/ul
RT: 19.89 min Scan# 2724
Delta R.T. 0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:202 Resp: 1257591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 6.2 | 9.2# |
| 100 | 10.5 | 5.2 | 7.8# |






#77
Pyrene
Concen: 33.258 ng/ul
RT: 20.26 min Scan# 2786
Delta R.T. 0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:202 Resp: 1540685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.3 | 6.9 | 10.3# |
| 100 | 14.0 | 6.6 | 10.0# |

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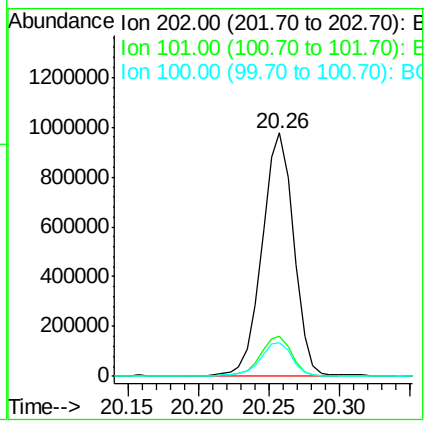
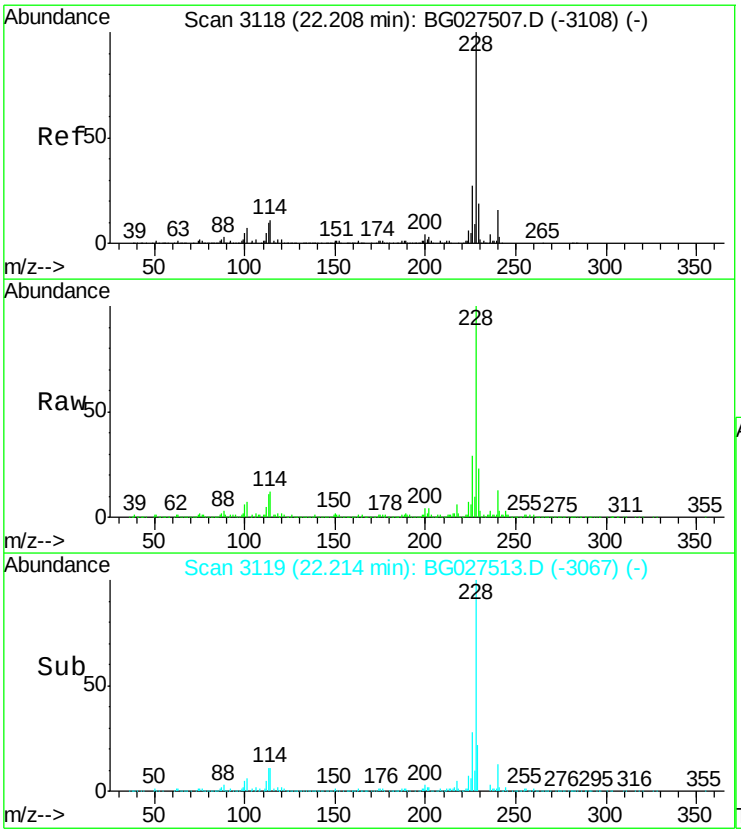
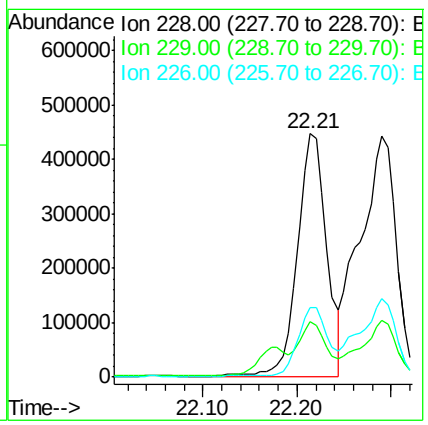


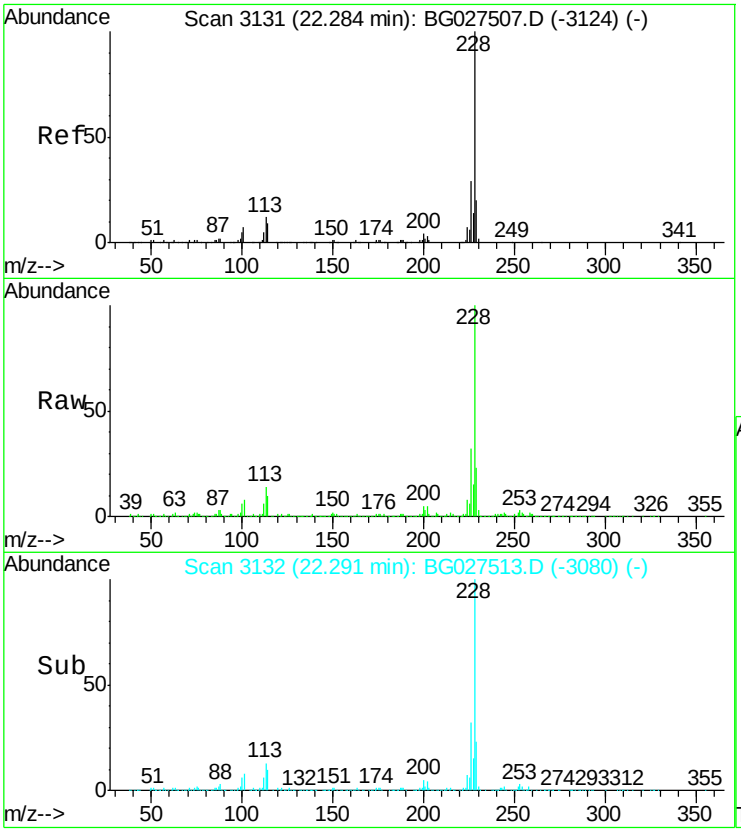




#80
Benzo(a)anthracene
Concen: 22.115 ng/ul
RT: 22.21 min Scan# 3119
Delta R.T. 0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:228 Resp: 965148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.9 | 16.3 | 24.5 |
| 226 | 28.6 | 21.9 | 32.9 |

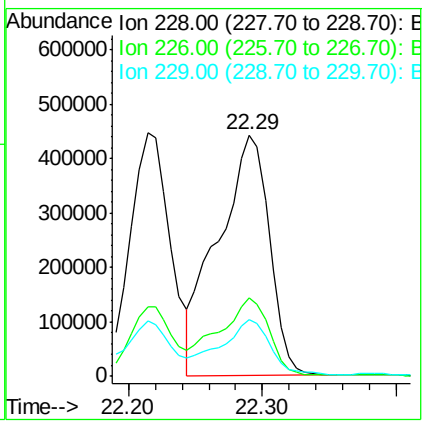





#82
Chrysene
Concen: 29.950 ng/ul
RT: 22.29 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:228 Resp: 1180505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 24.0 | 36.0 |
| 229 | 23.3 | 16.9 | 25.3 |




**Instrument :**
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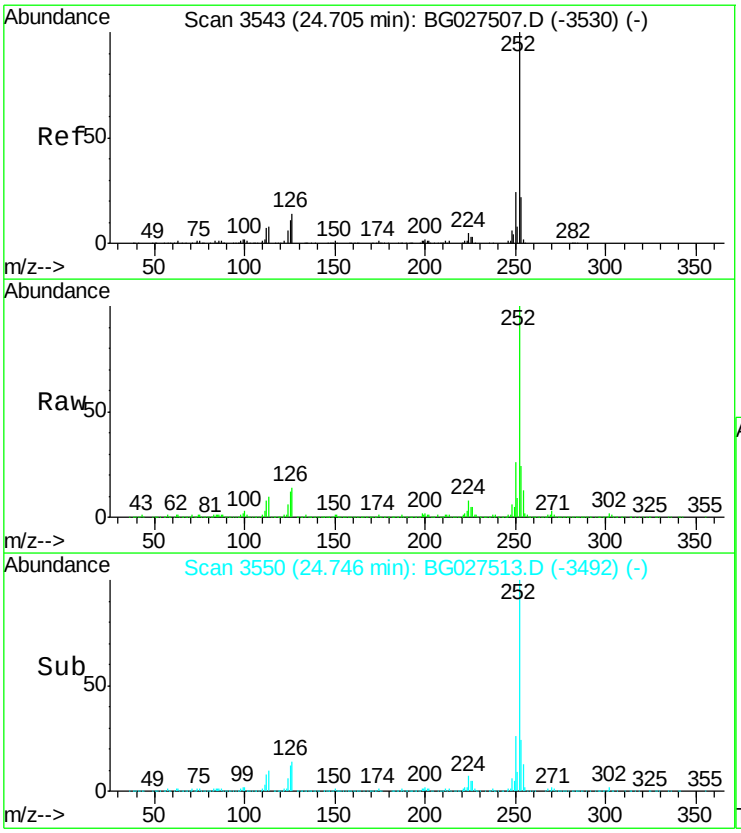
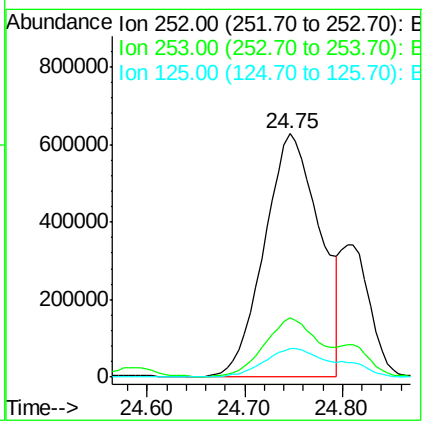
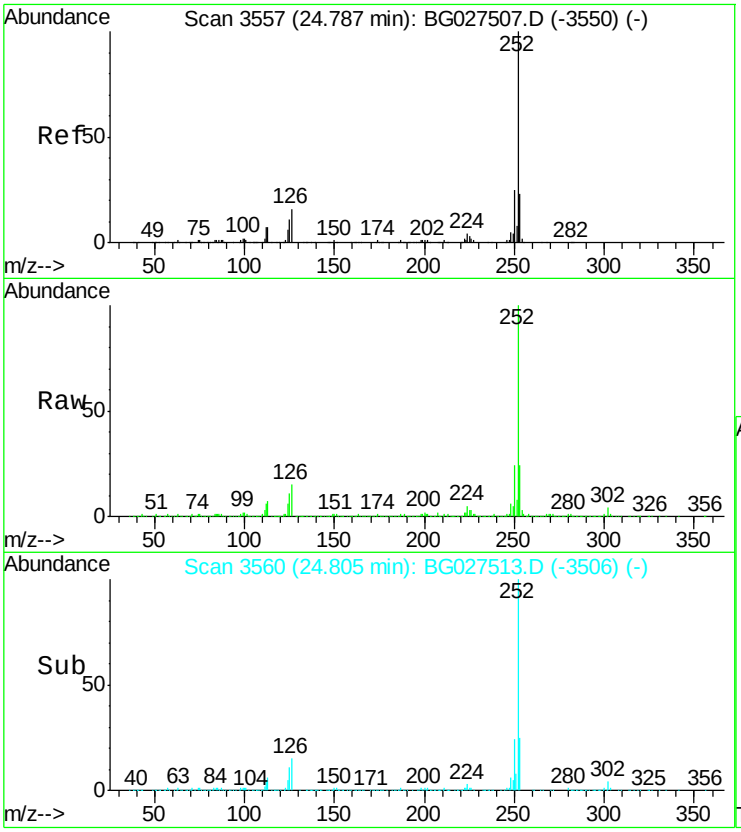



#85
Benzo(b)fluoranthene
Concen: 54.969 ng/ul
RT: 24.75 min Scan# 3550
Delta R.T. 0.04 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:252 Resp: 2476764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.7 | 26.5 |
| 125 | 11.7 | 4.0 | 6.0# |






#86
Benzo(k)fluoranthene
Concen: 16.482 ng/ul m
RT: 24.81 min Scan# 3560
Delta R.T. 0.02 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:252 Resp: 713815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 18.5 | 27.7 |
| 125 | 11.3 | 4.1 | 6.1# |

**Instrument :**
BNA_G
**ClientSampleId :**
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**Manual Integrations APPROVED**
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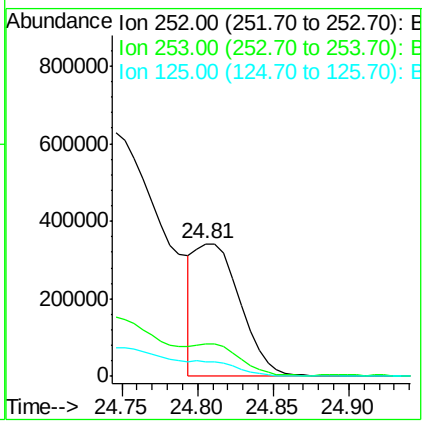
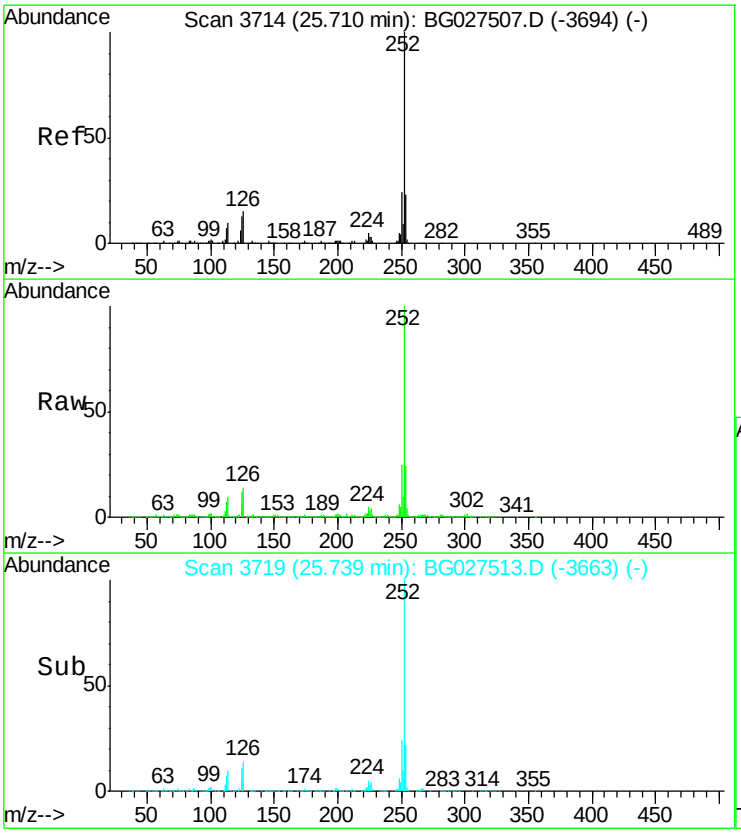
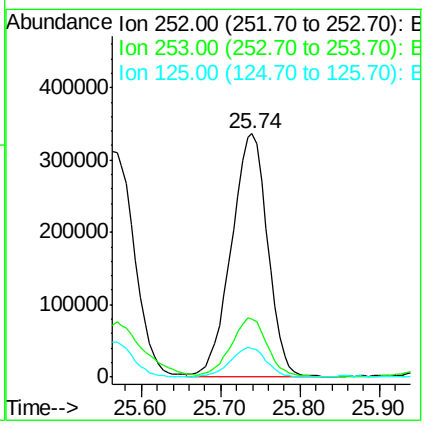


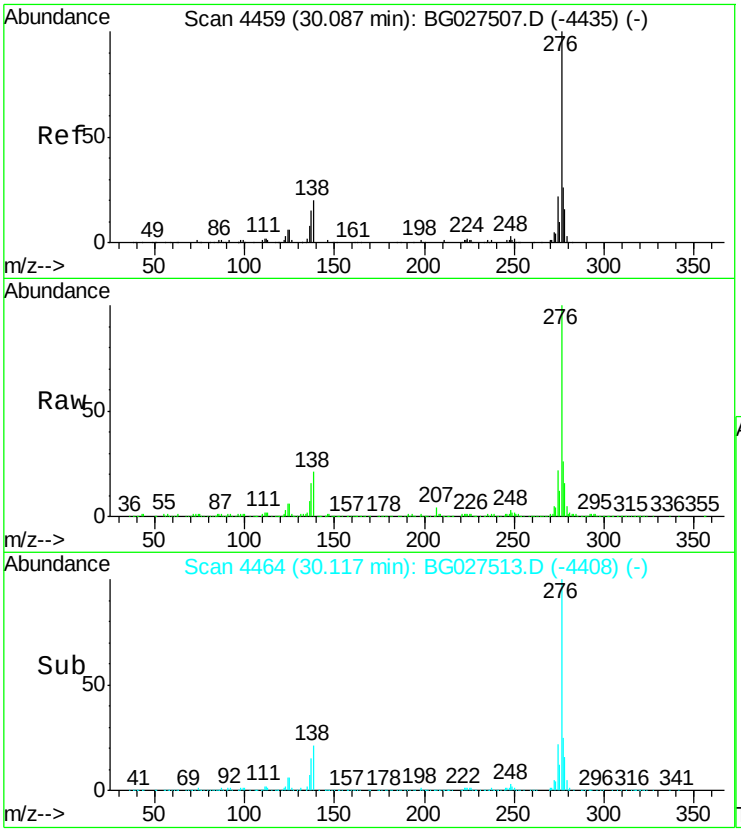




#88
Benzo(a)pyrene
Concen: 24.449 ng/ul
RT: 25.74 min Scan# 3719
Delta R.T. 0.03 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:252 Resp: 1057686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.8 | 26.6 |
| 125 | 11.7 | 5.4 | 8.0# |

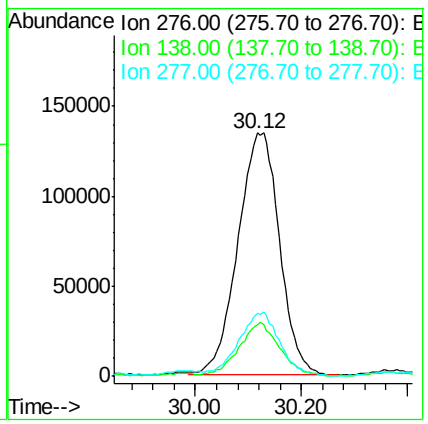





#89
Indeno(1,2,3-cd)pyrene
Concen: 14.854 ng/ul
RT: 30.12 min Scan# 4464
Delta R.T. 0.03 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:276 Resp: 733575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 8.2 | 12.4# |
| 277 | 25.7 | 18.6 | 28.0 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

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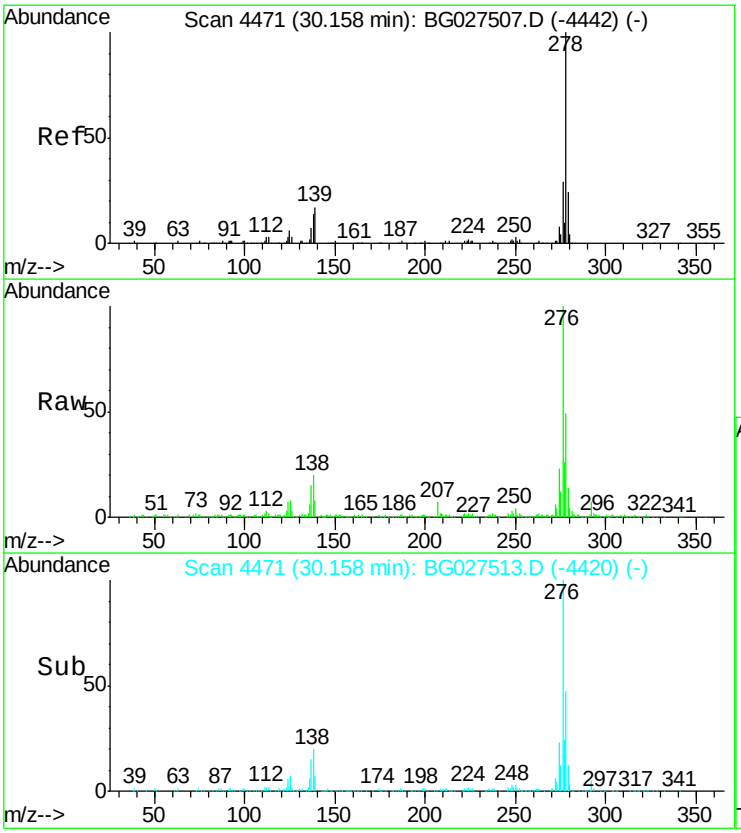
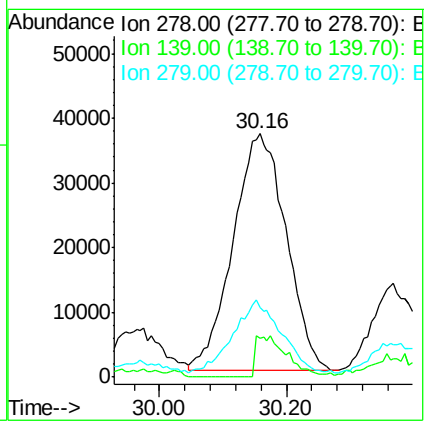
6/19/2017 9:13:35 AM

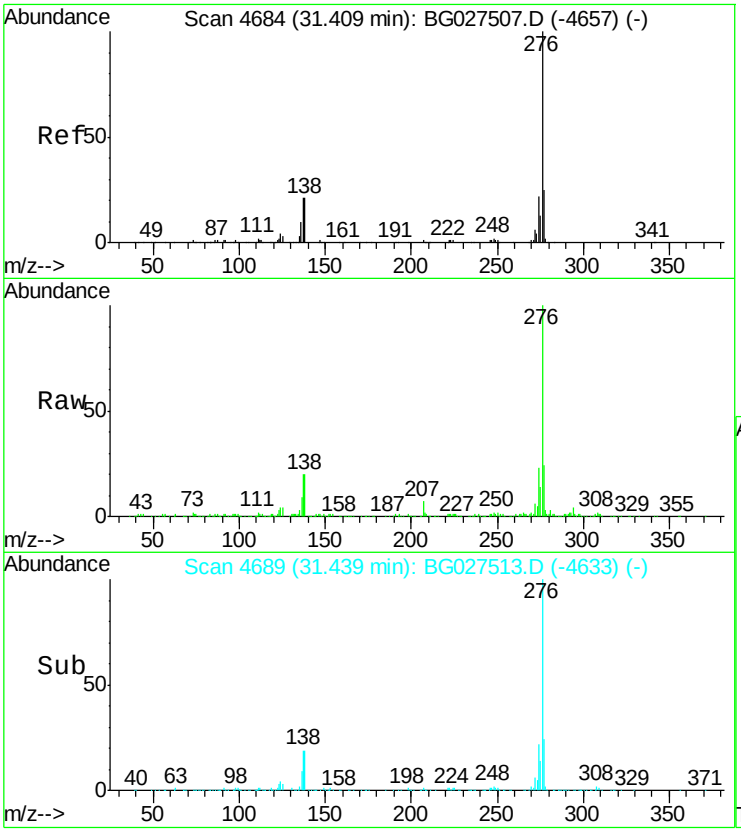



#90
Dibenzo(a,h)anthracene
Concen: 5.010 ng/ul
RT: 30.16 min Scan# 4471
Delta R.T. 0.00 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:278 Resp: 212422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.2 | 6.7 | 10.1# |
| 279 | 28.4 | 20.9 | 31.3 |

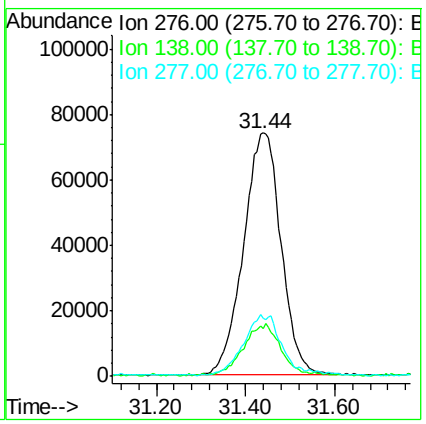





#91
Benzo(g,h,i)perylene
Concen: 10.645 ng/ul
RT: 31.44 min Scan# 4689
Delta R.T. 0.03 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:276 Resp: 430412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.9 | 8.6 | 12.8# |
| 277 | 24.1 | 17.6 | 26.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5D37

**Manual Integrations APPROVED**
mohammad
6/19/2017 9:13:35 AM