Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027512.D
Acq On : 17 Jun 2017 18:30
Operator : SJ/MA
Sample : I3599-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F5A87

**Manual Integrations APPROVED**
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6/19/2017 9:13:31 AM

Quant Time: Jun 19 02:13:01 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 | 44944 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.34 | 136 | 226872 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.10 | 164 | 148084 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.85 | 188 | 331318 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.24 | 240 | 381069 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.90 | 264 | 358723 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 4.08 | 96 | 3332 | 2.96 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.65 | 99 | 87340 | 17.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.83 | 67 | 64313 | 19.36 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.05 | 132 | 61505 | 19.10 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.19 | 113 | 72574 | 19.04 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.68 | 128 | 31842 | 19.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.40 | 143 | 35374 | 20.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.94 | 165 | 64720 | 19.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.46 | 131 | 79004 | 18.87 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.49 | 166 | 239612 | 19.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.80 | 160 | 280635 | 19.65 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.27 | 143 | 35853 | 14.78 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.09 | 176 | 218588 | 18.79 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.20 | 200 | 37009 | 17.99 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.95 | 188 | 333785 | 21.61 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.23 | 212 | 387081 | 20.80 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.64 | 264 | 347774 | 21.53 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.68 | 94 | 9014 | 1.765 | ng/ul# | 88 |
| 28) Naphthalene | 11.39 | 128 | 43716 | 3.750 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.95 | 142 | 9195 | 1.064 | ng/ul | 96 |
| 44) Dimethylphthalate | 14.53 | 163 | 63604 | 5.172 | ng/ul | 96 |
| 47) Acenaphthylene | 14.84 | 152 | 15900 | 1.111 | ng/ul | 98 |
| 49) Acenaphthene | 15.17 | 153 | 13720 | 1.375 | ng/ul | 94 |
| 53) Dibenzofuran | 15.50 | 168 | 18479 | 1.270 | ng/ul | 95 |
| 58) Fluorene | 16.15 | 166 | 12951 | 1.073 | ng/ul | 92 |
| 69) Phenanthrene | 17.89 | 178 | 131990 | 7.413 | ng/ul | 98 |
| 71) Anthracene | 17.99 | 178 | 957335 | 52.879 | ng/ul | 99 |
| 72) Carbazole | 18.25 | 167 | 38838 | 2.494 | ng/ul | 96 |
| 74) Fluoranthene | 19.90 | 202 | 2222288 | 110.934 | ng/ul# | 81 |
| 77) Pyrene | 20.26 | 202 | 2209884 | 98.108 | ng/ul# | 76 |
| 80) Benzo(a)anthracene | 22.22 | 228 | 1458324 | 68.721 | ng/ul | 96 |
| 82) Chrysene | 22.30 | 228 | 1480773 | 77.263 | ng/ul | 97 |
| 85) Benzo(b)fluoranthene | 24.74 | 252 | 2034601 | 95.232 | ng/ul# | 94 |
| 86) Benzo(k)fluoranthene | 24.80 | 252 | 600363m | 29.235 | ng/ul | |
| 88) Benzo(a)pyrene | 25.73 | 252 | 903994 | 44.070 | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 30.11 | 276 | 522745 | 22.323 | ng/ul# | 92 |
| 90) Dibenzo(a,h)anthracene | 30.16 | 278 | 157676m | 7.842 | ng/ul | |
| 91) Benzo(g,h,i)perylene | 31.43 | 276 | 285118 | 14.871 | ng/ul# | 88 |

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Sample : I3599-06
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QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027512.D
Acq On : 17 Jun 2017 18:30
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Sample : I3599-06
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**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

**Manual Integrations APPROVED**
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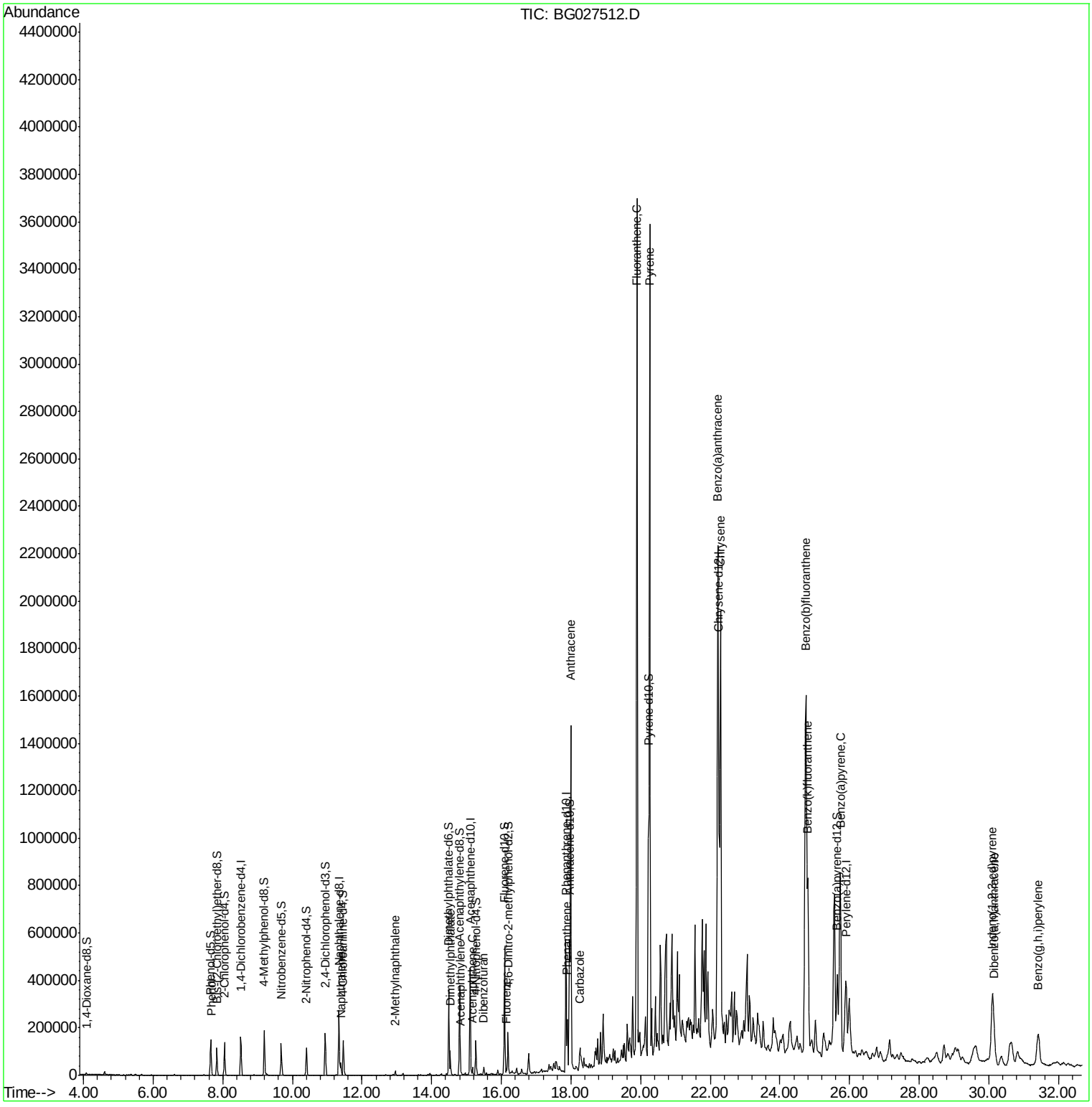
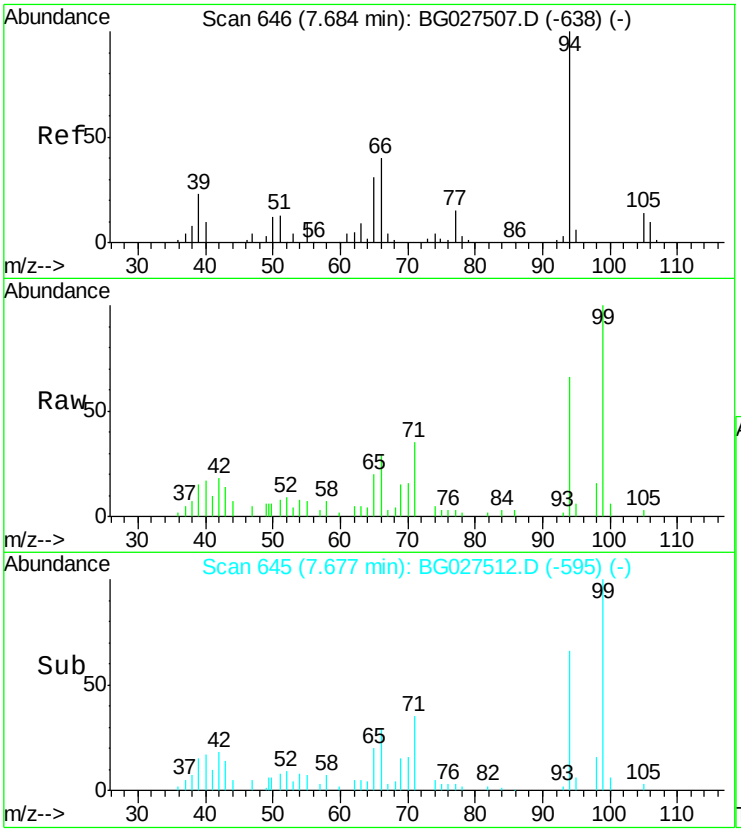
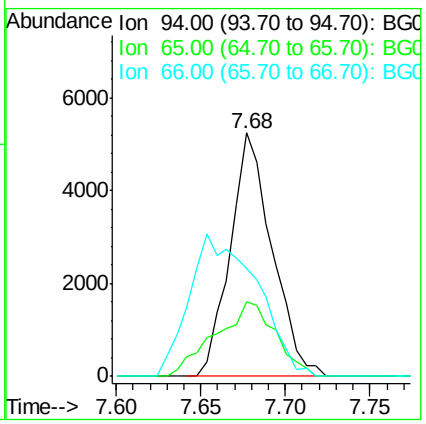





#6
Phenol
Concen: 1.765 ng/ul
RT: 7.68 min Scan# 645
Delta R.T. -0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion: 94 Resp: 9014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.4 | 26.8 | 40.2 |
| 66 | 44.3 | 44.4 | 66.6# |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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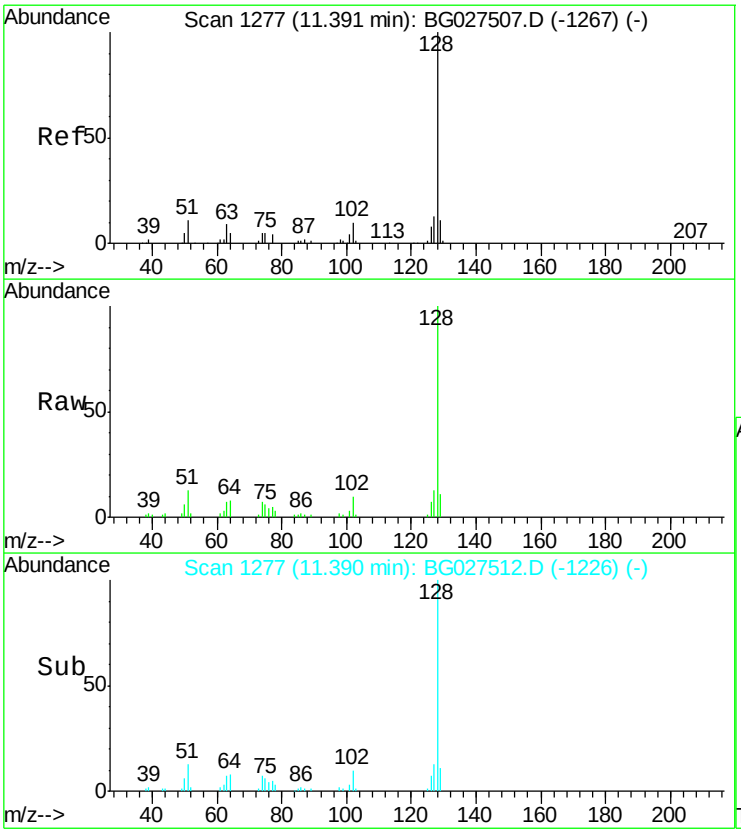
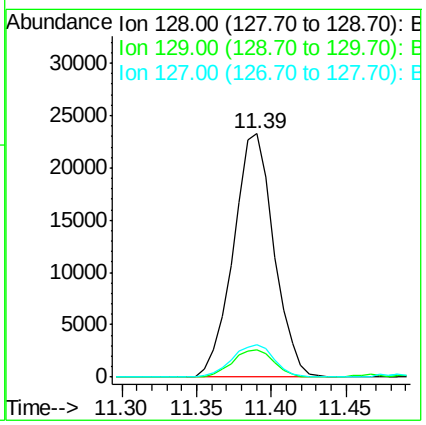
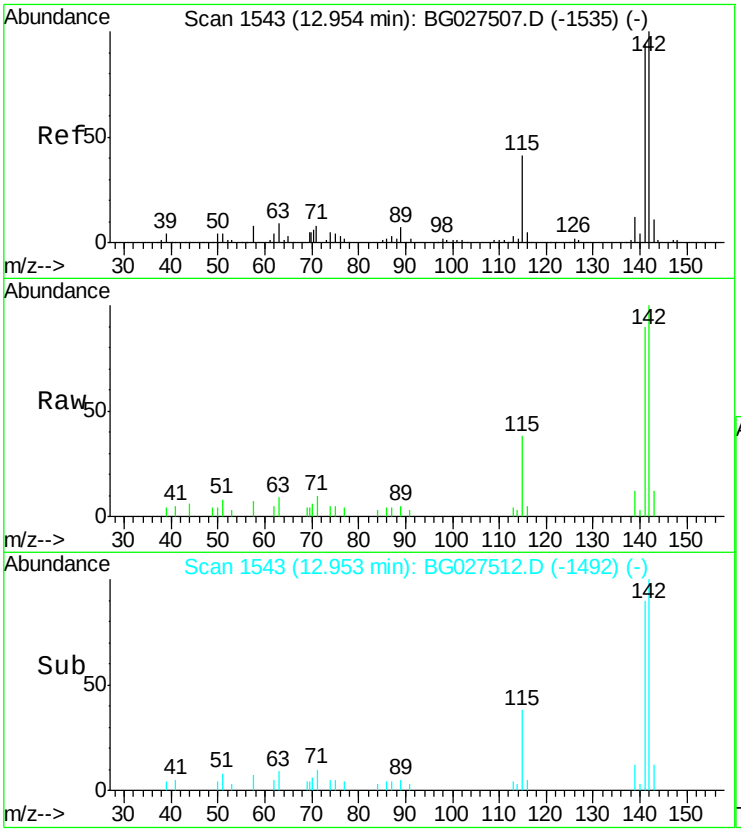



#28
Naphthalene
Concen: 3.750 ng/ul
RT: 11.39 min Scan# 1277
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:128 Resp: 43716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.4 | 14.2 |
| 127 | 13.3 | 10.3 | 15.5 |






#34
2-Methylnaphthalene
Concen: 1.064 ng/ul
RT: 12.95 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:142 Resp: 9195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 68.6 | 102.8 |

**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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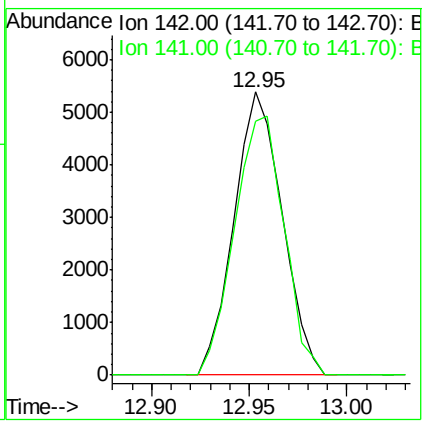
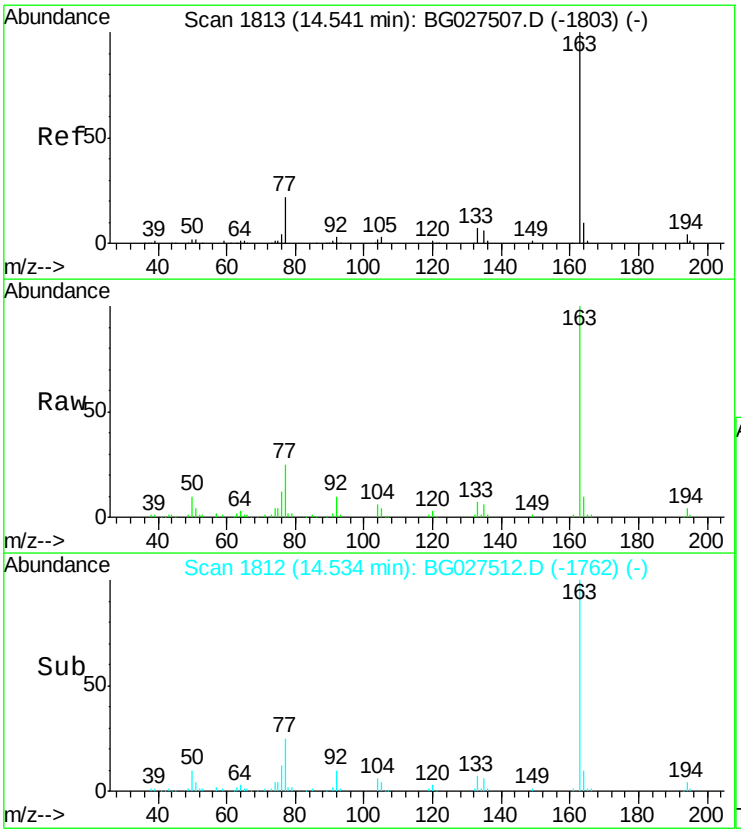
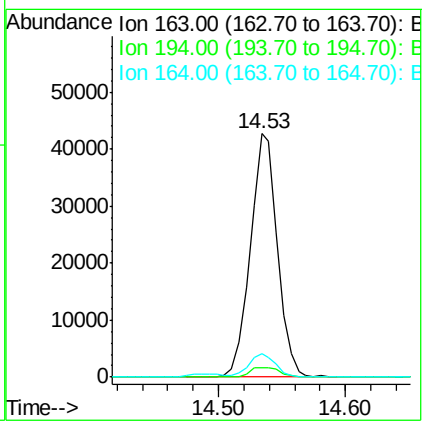


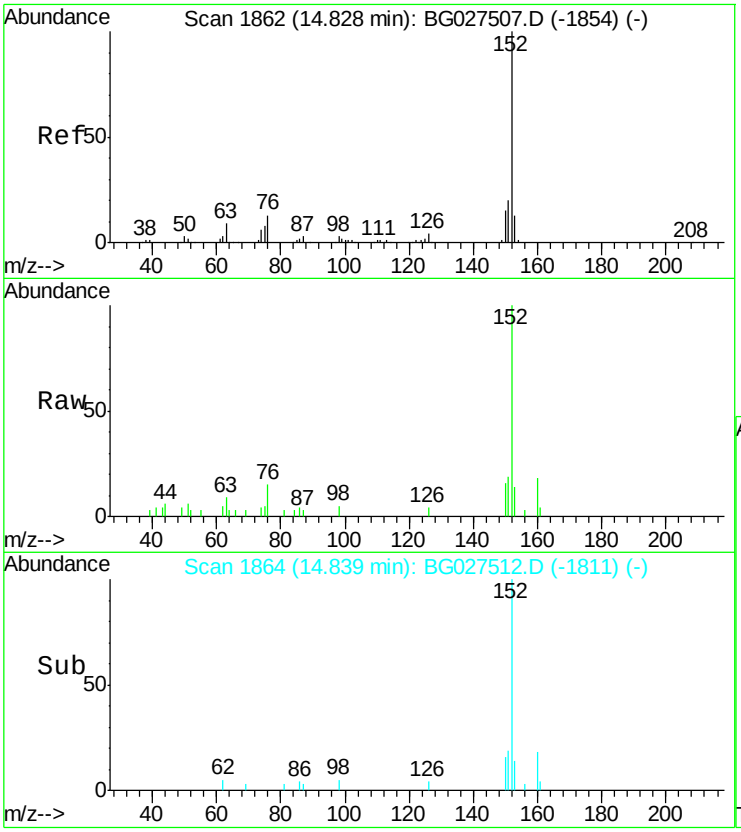




#44
Dimethylphthalate
Concen: 5.172 ng/ul
RT: 14.53 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:163 Resp: 63604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.4 | 5.0 |
| 164 | 9.5 | 9.0 | 13.4 |

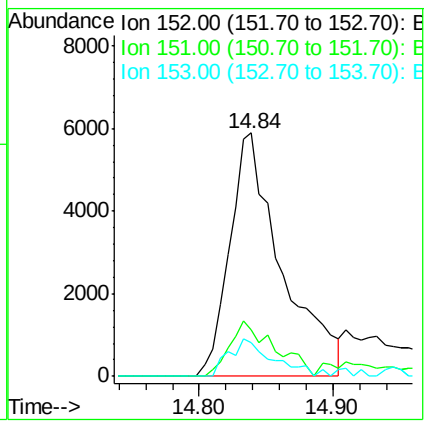





#47
Acenaphthylene
Concen: 1.111 ng/ul
RT: 14.84 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:152 Resp: 15900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 16.7 | 25.1 |
| 153 | 14.1 | 11.4 | 17.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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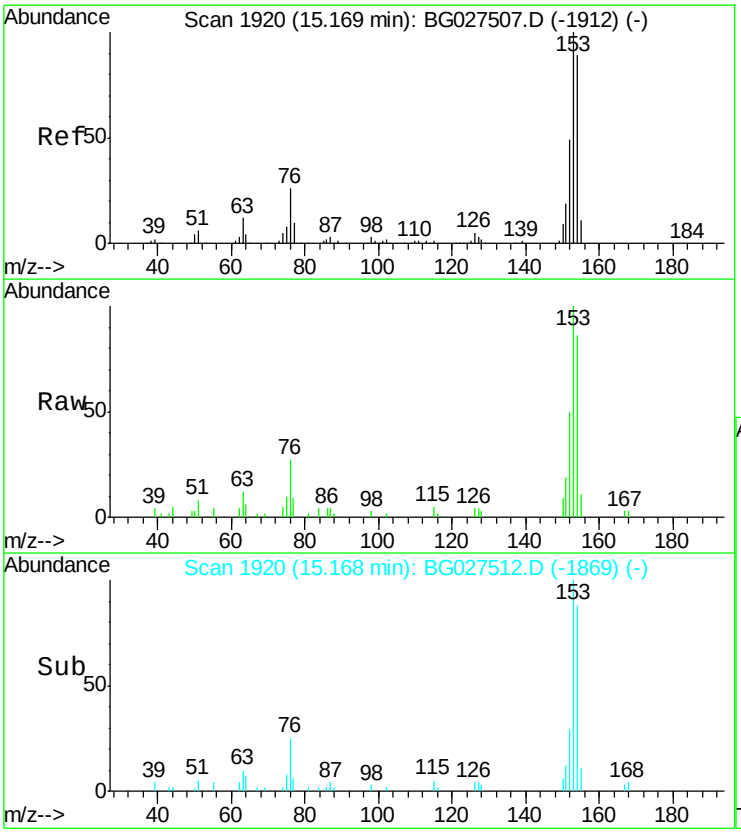
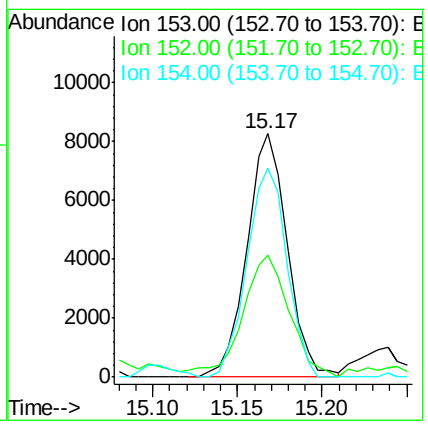
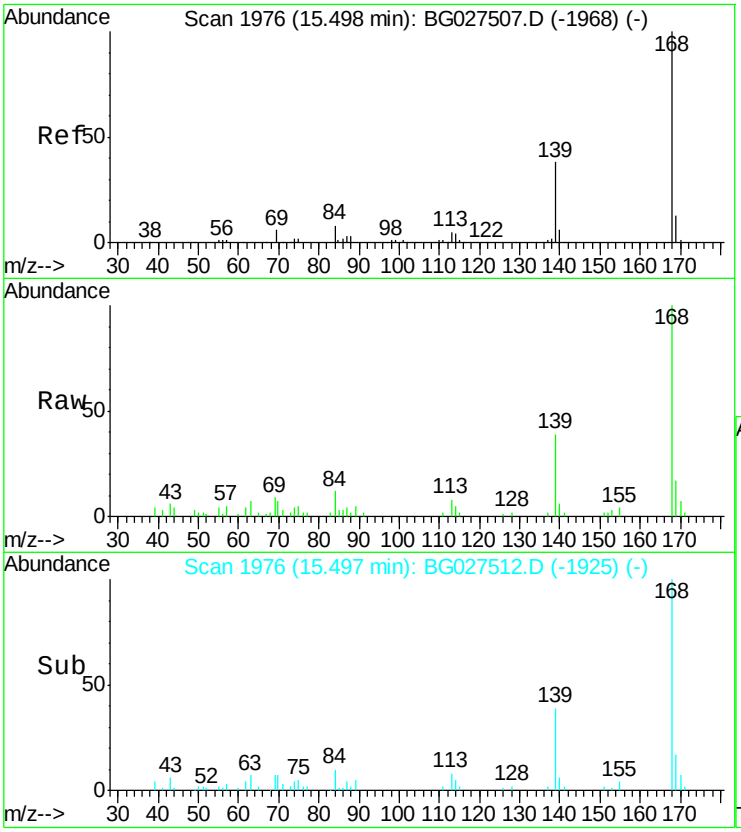



#49
Acenaphthene
Concen: 1.375 ng/ul
RT: 15.17 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:153 Resp: 13720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.2 | 36.5 | 54.7 |
| 154 | 85.7 | 72.3 | 108.5 |

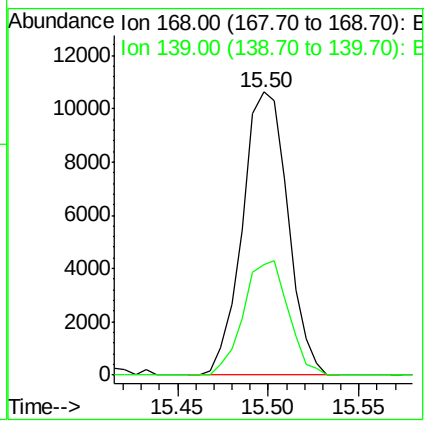





#53
Dibenzofuran
Concen: 1.270 ng/ul
RT: 15.50 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:168 Resp: 18479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.2 | 33.8 | 50.8 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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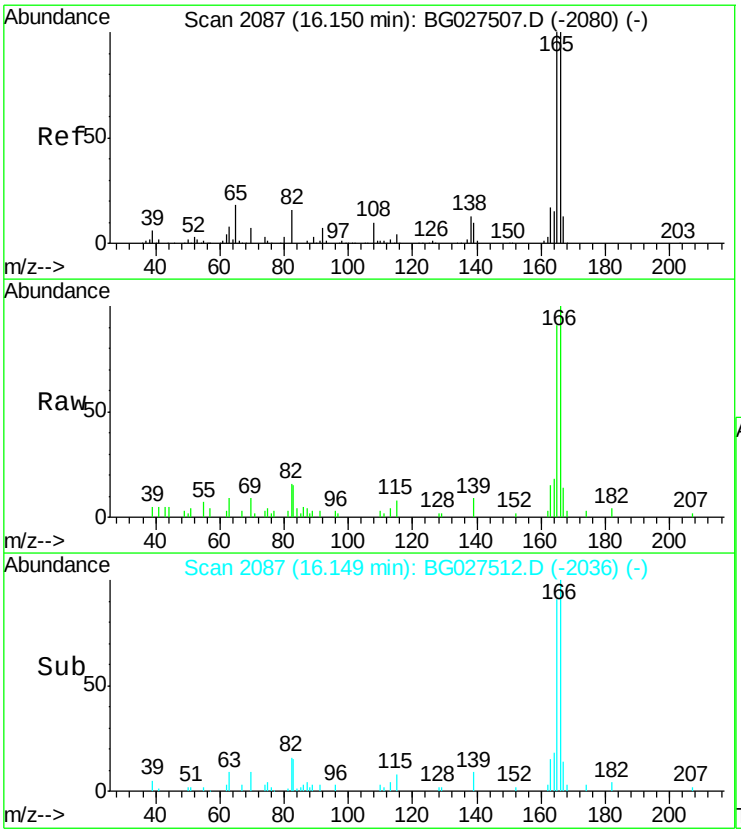
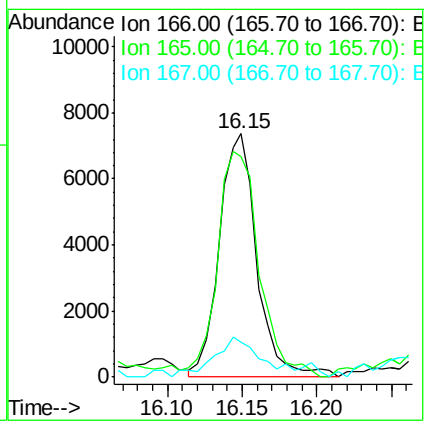
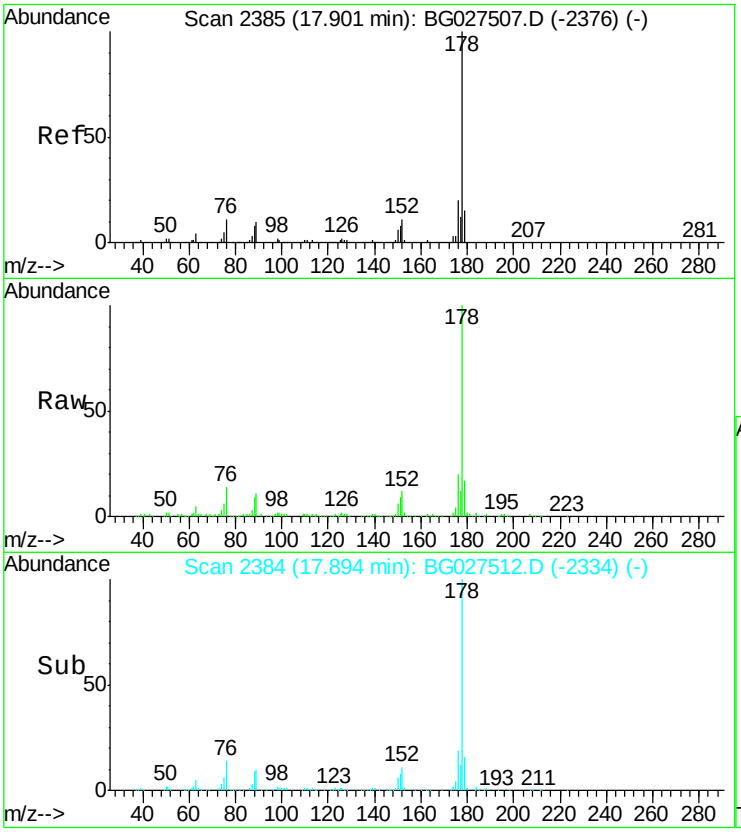



#58
Fluorene
Concen: 1.073 ng/ul
RT: 16.15 min Scan# 2087
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:166 Resp: 12951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 90.5 | 79.7 | 119.5 |
| 167 | 14.4 | 11.4 | 17.2 |

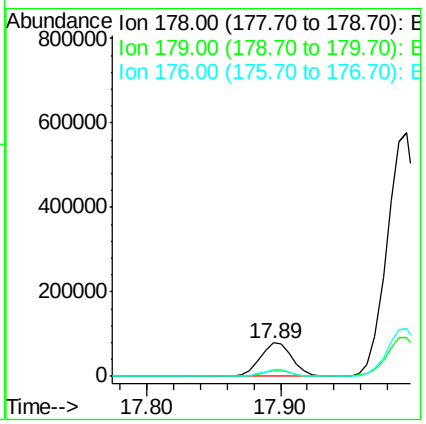





#69
Phenanthrene
Concen: 7.413 ng/ul
RT: 17.89 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:178 Resp: 131990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.4 | 18.6 |
| 176 | 19.6 | 16.5 | 24.7 |

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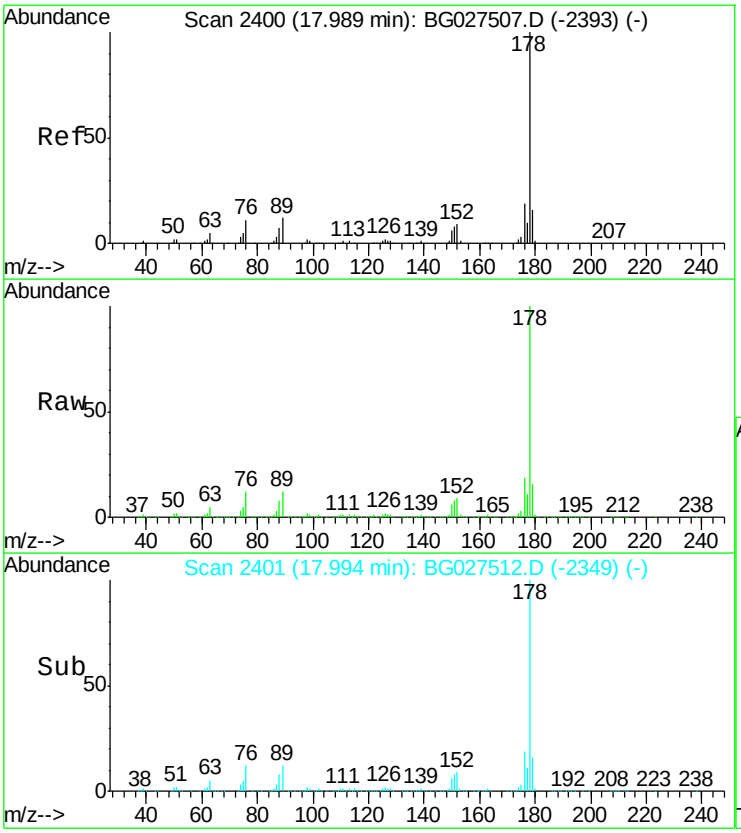
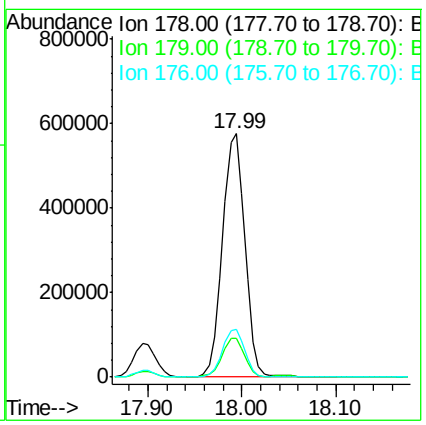
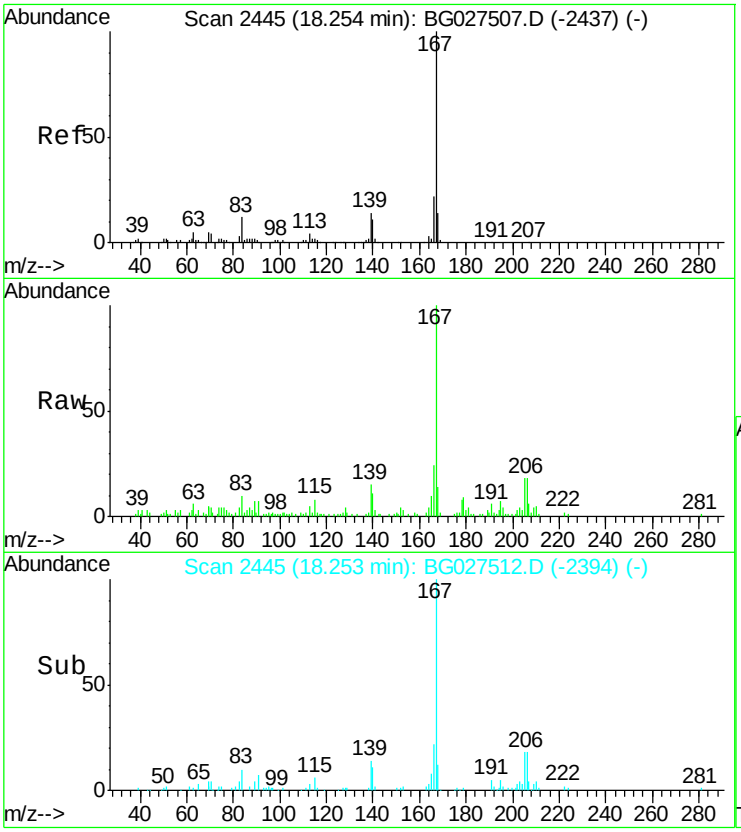



#71
Anthracene
Concen: 52.879 ng/ul
RT: 17.99 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:178 Resp: 957335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.6 | 19.0 |
| 176 | 19.5 | 15.9 | 23.9 |

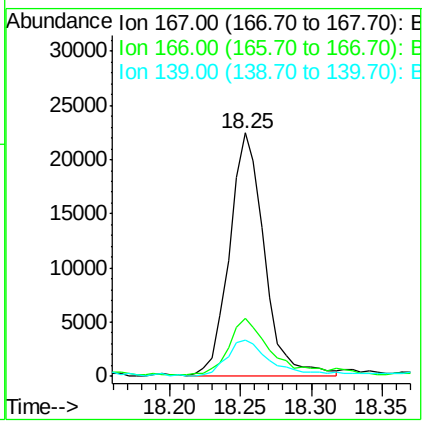





#72
Carbazole
Concen: 2.494 ng/ul
RT: 18.25 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:167 Resp: 38838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.8 | 17.9 | 26.9 |
| 139 | 15.1 | 10.5 | 15.7 |




**Instrument :**
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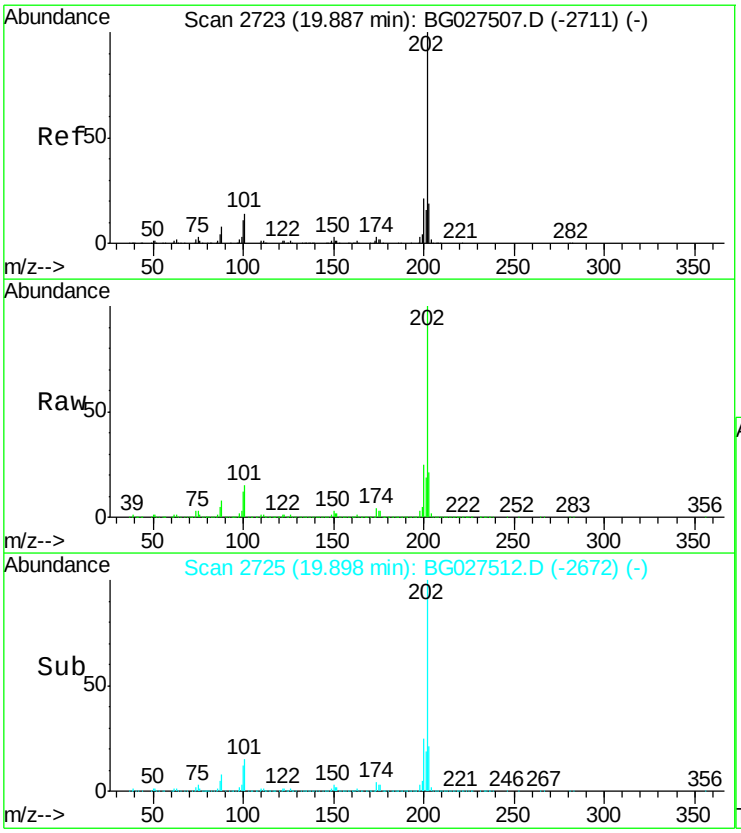
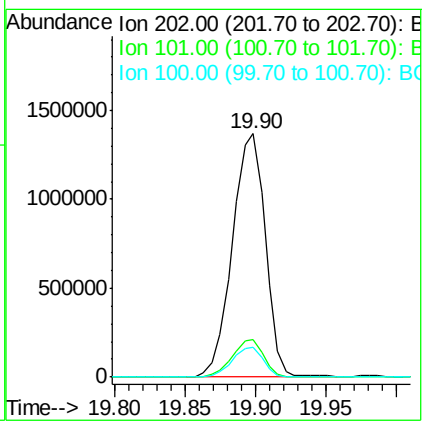
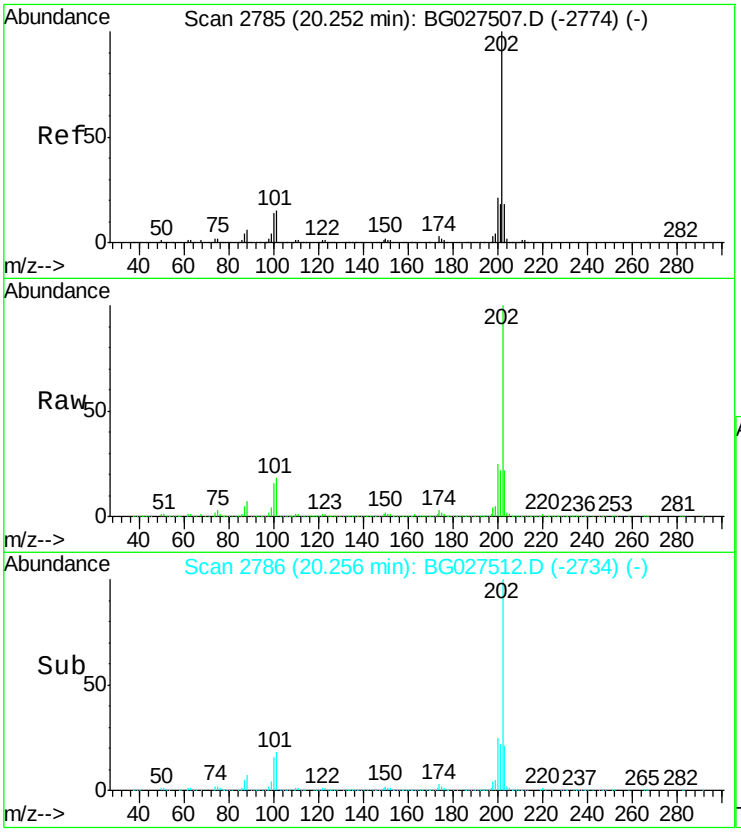



#74
Fluoranthene
Concen: 110.934 ng/ul
RT: 19.90 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:202 Resp: 2222288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.3 | 6.2 | 9.2# |
| 100 | 12.1 | 5.2 | 7.8# |






#77
Pyrene
Concen: 98.108 ng/ul
RT: 20.26 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:202 Resp: 2209884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.1 | 6.9 | 10.3# |
| 100 | 15.8 | 6.6 | 10.0# |

**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

**Manual Integrations APPROVED**
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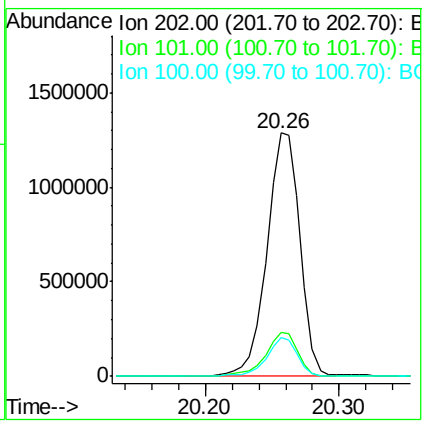
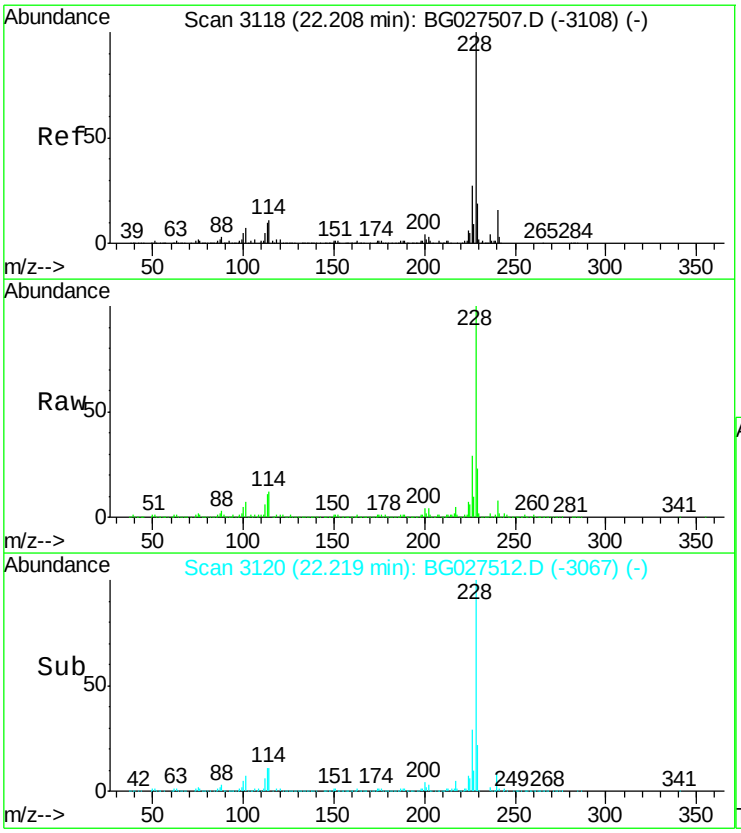
6/19/2017 9:13:31 AM

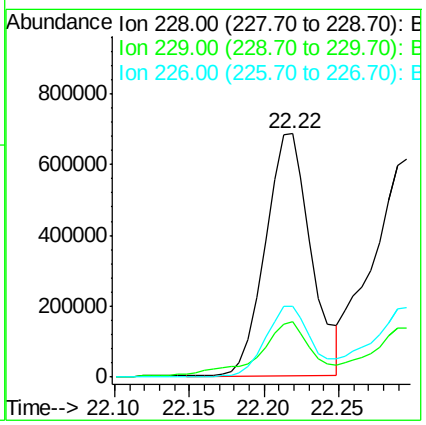


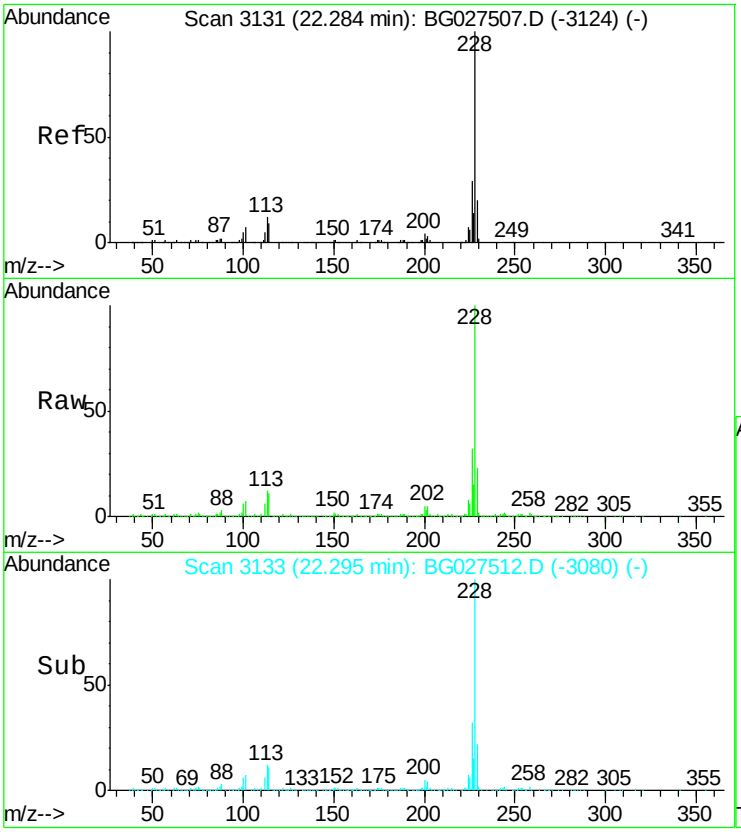




#80
Benzo(a)anthracene
Concen: 68.721 ng/ul
RT: 22.22 min Scan# 3120
Delta R.T. 0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:228 Resp: 1458324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.6 | 16.3 | 24.5 |
| 226 | 29.0 | 21.9 | 32.9 |

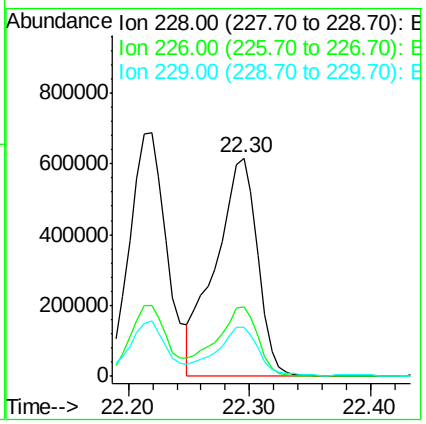





#82
Chrysene
Concen: 77.263 ng/ul
RT: 22.30 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:228 Resp: 1480773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 24.0 | 36.0 |
| 229 | 22.6 | 16.9 | 25.3 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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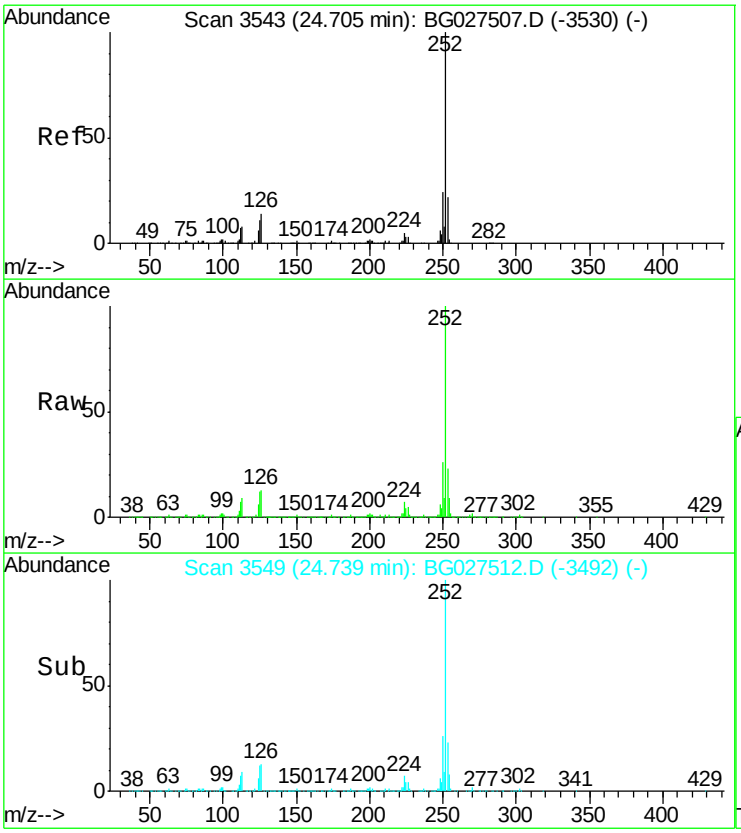
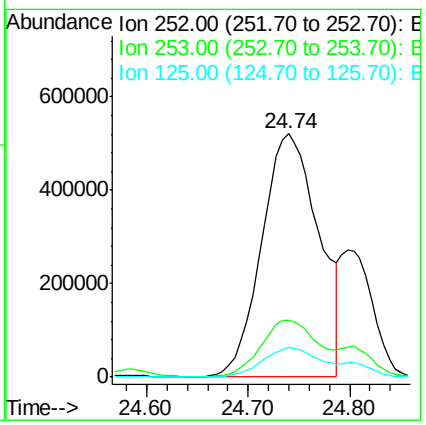
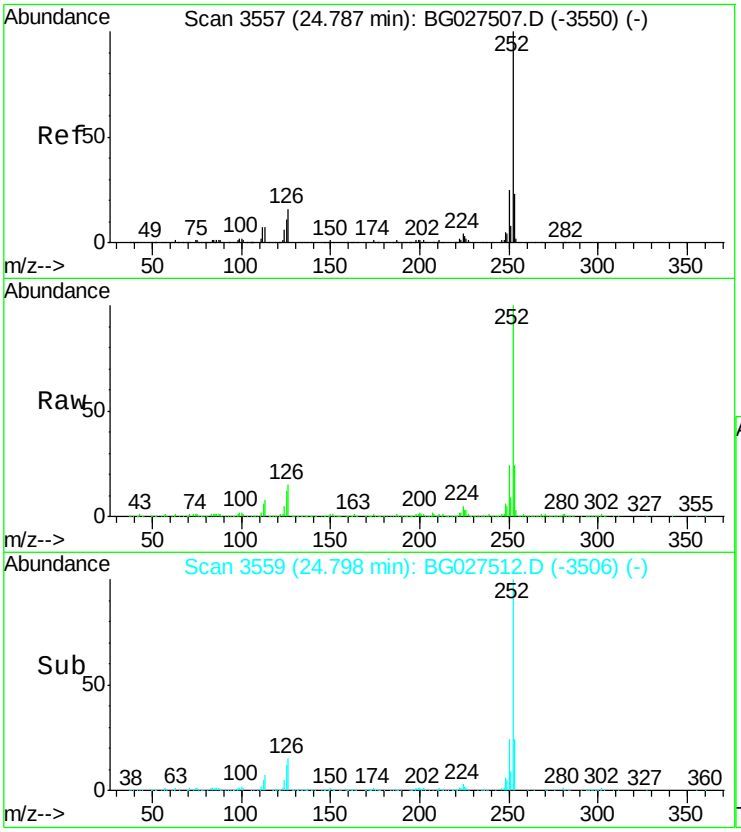



#85
Benzo(b)fluoranthene
Concen: 95.232 ng/ul
RT: 24.74 min Scan# 3549
Delta R.T. 0.03 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:252 Resp: 2034601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.7 | 26.5 |
| 125 | 12.0 | 4.0 | 6.0# |

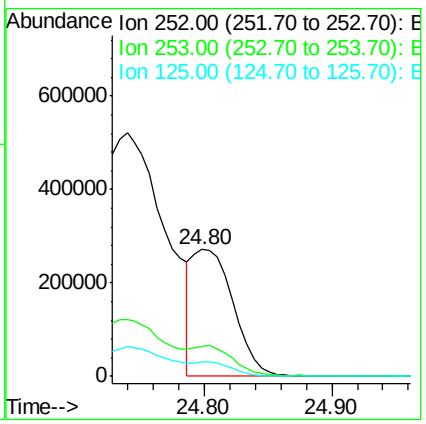





#86
Benzo(k)fluoranthene
Concen: 29.235 ng/ul m
RT: 24.80 min Scan# 3559
Delta R.T. 0.01 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:252 Resp: 600363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 18.5 | 27.7 |
| 125 | 11.7 | 4.1 | 6.1# |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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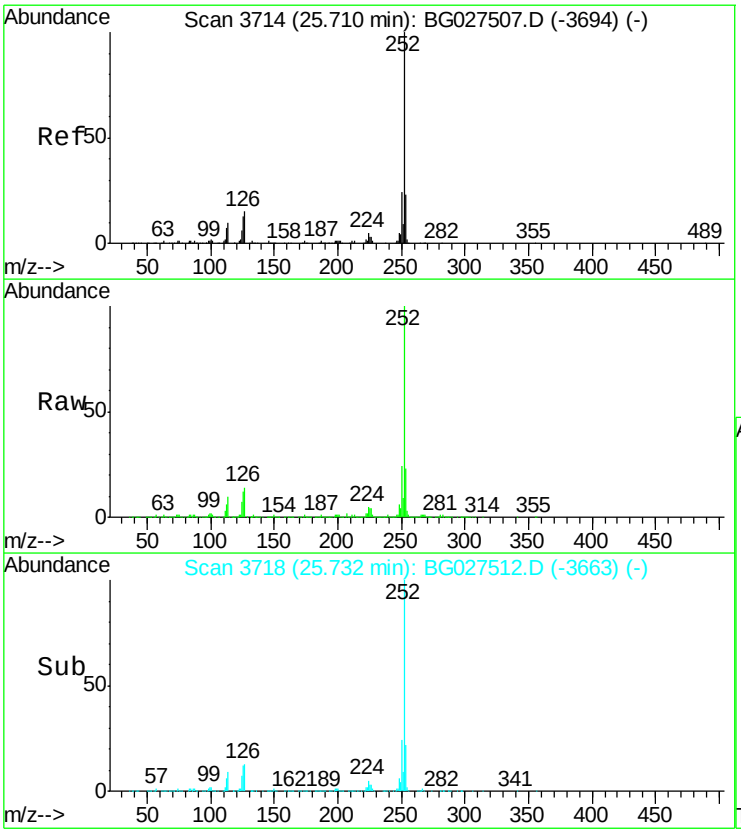
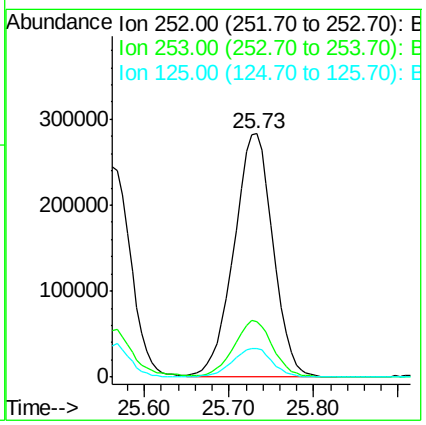
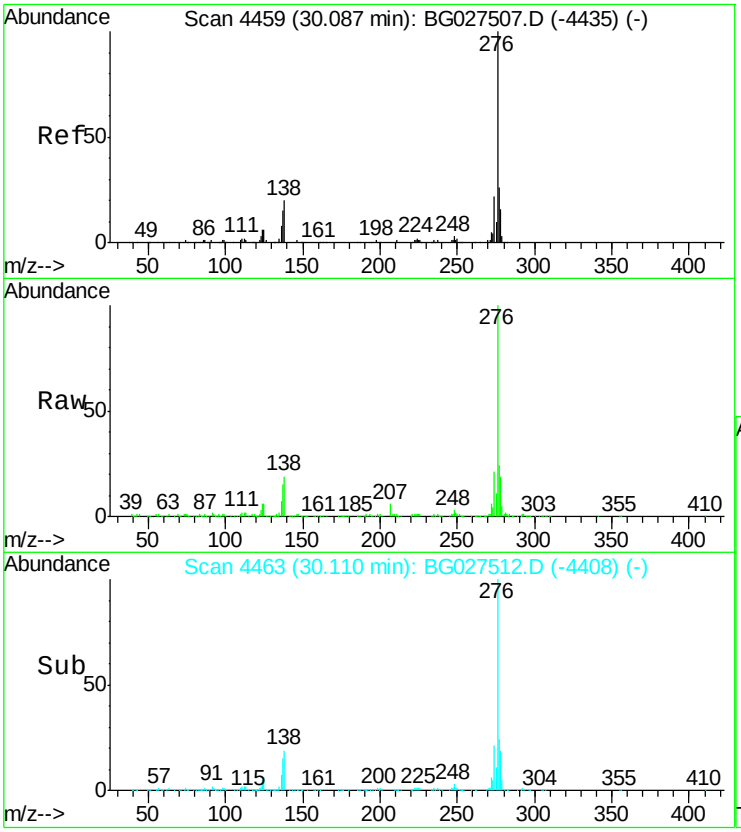



#88
Benzo(a)pyrene
Concen: 44.070 ng/ul
RT: 25.73 min Scan# 3718
Delta R.T. 0.02 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:252 Resp: 903994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.6 |
| 125 | 12.0 | 5.4 | 8.0# |

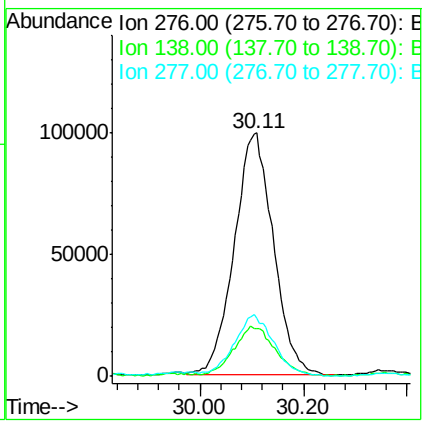





#89
Indeno(1,2,3-cd)pyrene
Concen: 22.323 ng/ul
RT: 30.11 min Scan# 4463
Delta R.T. 0.02 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:276 Resp: 522745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.4 | 8.2 | 12.4# |
| 277 | 23.9 | 18.6 | 28.0 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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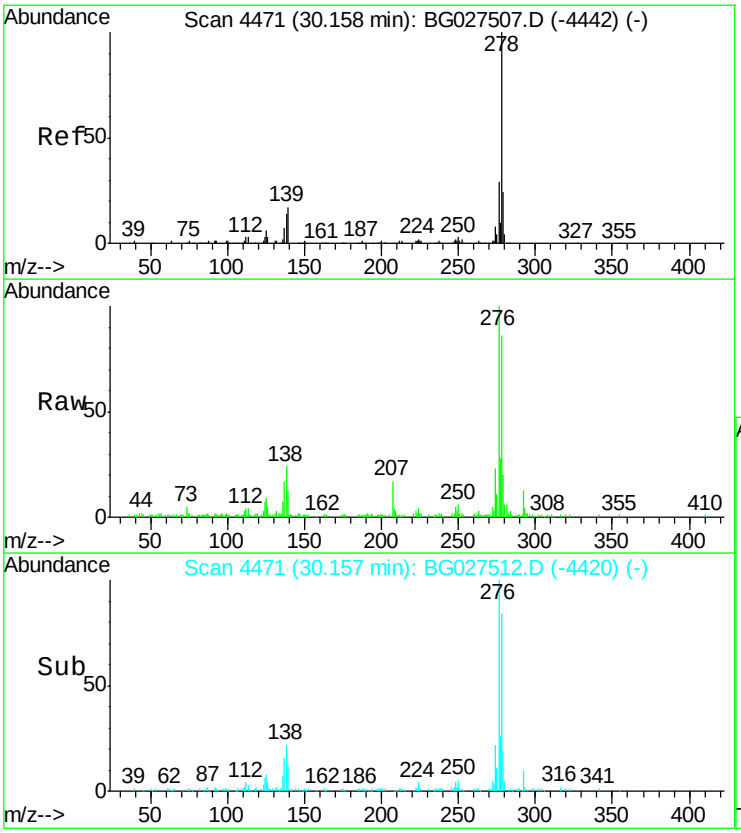
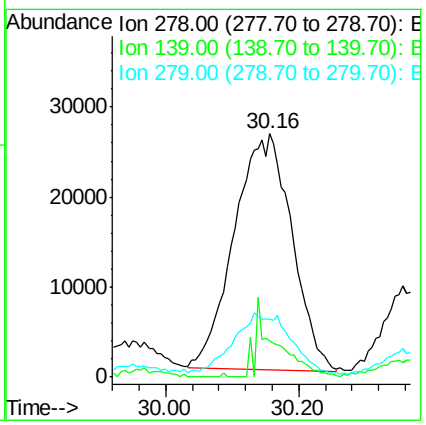
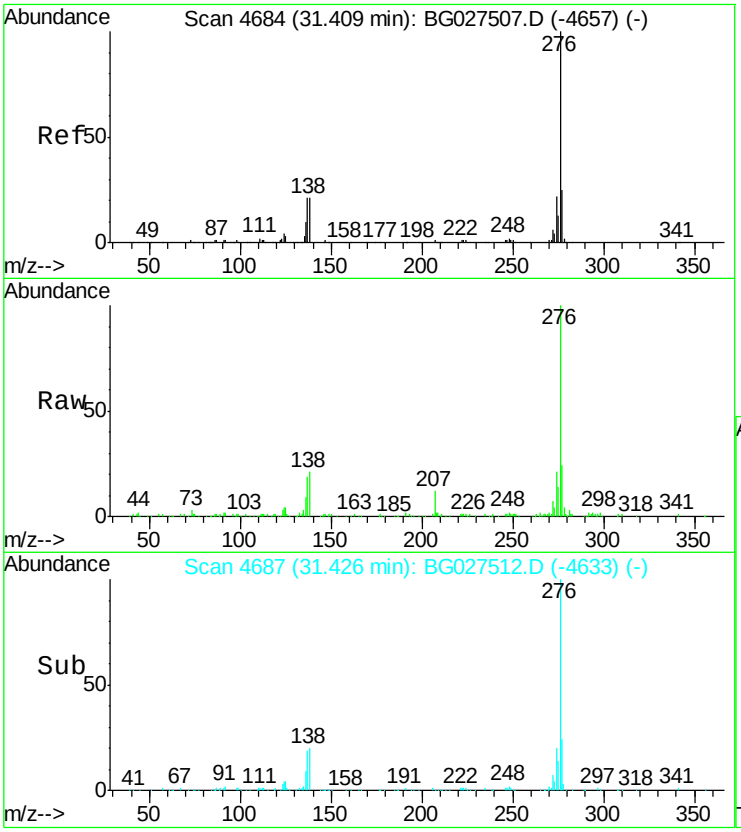



#90
Dibenzo(a,h)anthracene
Concen: 7.842 ng/ul m
RT: 30.16 min Scan# 4471
Delta R.T. -0.00 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:278 Resp: 157676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.9 | 6.7 | 10.1# |
| 279 | 23.7 | 20.9 | 31.3 |

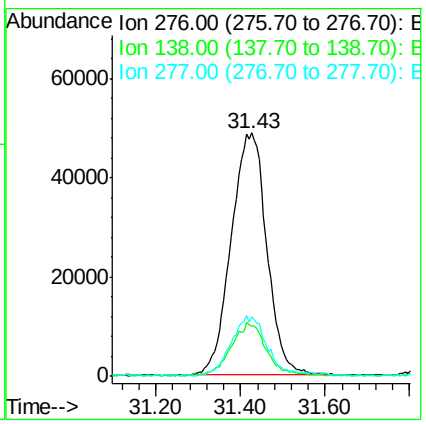





#91
Benzo(g,h,i)perylene
Concen: 14.871 ng/ul
RT: 31.43 min Scan# 4687
Delta R.T. 0.02 min
Lab File: BG027512.D
Acq: 17 Jun 2017 18:30

Tgt Ion:276 Resp: 285118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 8.6 | 12.8# |
| 277 | 24.4 | 17.6 | 26.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
F5A87

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