Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
Data File : BG029151.D
Acq On : 10 Oct 2017 23:21
Operator : SJ/JU
Sample : SSTD01069
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD01069

Quant Time: Oct 11 04:04:12 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101117.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:00:54 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.22 | 152 | 48922 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.04 | 136 | 213471 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.83 | 164 | 143271 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.57 | 188 | 335646 | 20.00 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.85 | 240 | 376087 | 20.00 | ng/ul | 0.00 |
| 23) Perylene-d12 | 25.20 | 264 | 360693 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2,4-Dichlorophenol-d3 | 10.65 | 165 | 39557 | 10.14 | ng/ul | 0.00 |
| 7) Acenaphthylene-d8 | 14.52 | 160 | 142998 | 9.77 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.82 | 176 | 114905 | 9.89 | ng/ul | 0.00 |
| 15) Anthracene-d10 | 17.66 | 188 | 166344 | 10.06 | ng/ul | 0.00 |
| 19) Pyrene-d10 | 19.94 | 212 | 195082 | 9.90 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12 | 24.97 | 264 | 175936 | 10.09 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Naphthalene | 11.09 | 128 | 106996 | 9.826 | ng/ul | 98 |
| 5) 2-Methylnaphthalene | 12.67 | 142 | 83866 | 9.691 | ng/ul | 97 |
| 8) Acenaphthylene | 14.55 | 152 | 137840 | 9.848 | ng/ul | 99 |
| 9) Acenaphthene | 14.89 | 153 | 96687 | 10.163 | ng/ul | 98 |
| 11) Fluorene | 15.87 | 166 | 111423 | 9.239 | ng/ul | 98 |
| 13) Pentachlorophenol | 17.22 | 266 | 25168 | 11.449 | ng/ul | 99 |
| 14) Phenanthrene | 17.61 | 178 | 182411 | 10.464 | ng/ul | 99 |
| 16) Anthracene | 17.70 | 178 | 184223 | 10.269 | ng/ul | 98 |
| 17) Fluoranthene | 19.61 | 202 | 221994 | 10.507 | ng/ul | 99 |
| 20) Pyrene | 19.96 | 202 | 227839 | 9.914 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.83 | 228 | 223941 | 9.951 | ng/ul | 99 |
| 22) Chrysene | 21.89 | 228 | 202661 | 10.018 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 24.13 | 252 | 218711 | 9.822 | ng/ul# | 97 |
| 25) Benzo(k)fluoranthene | 24.20 | 252 | 214598 | 9.949 | ng/ul | 98 |
| 27) Benzo(a)pyrene | 25.04 | 252 | 212165 | 9.891 | ng/ul | 99 |
| 28) Indeno(1,2,3-cd)pyrene | 29.03 | 276 | 197987 | 8.184 | ng/ul | 98 |
| 29) Dibenzo(a,h)anthracene | 29.10 | 278 | 173788 | 8.509 | ng/ul# | 93 |
| 30) Benzo(g,h,i)perylene | 30.24 | 276 | 134964 | 6.972 | ng/ul# | 95 |

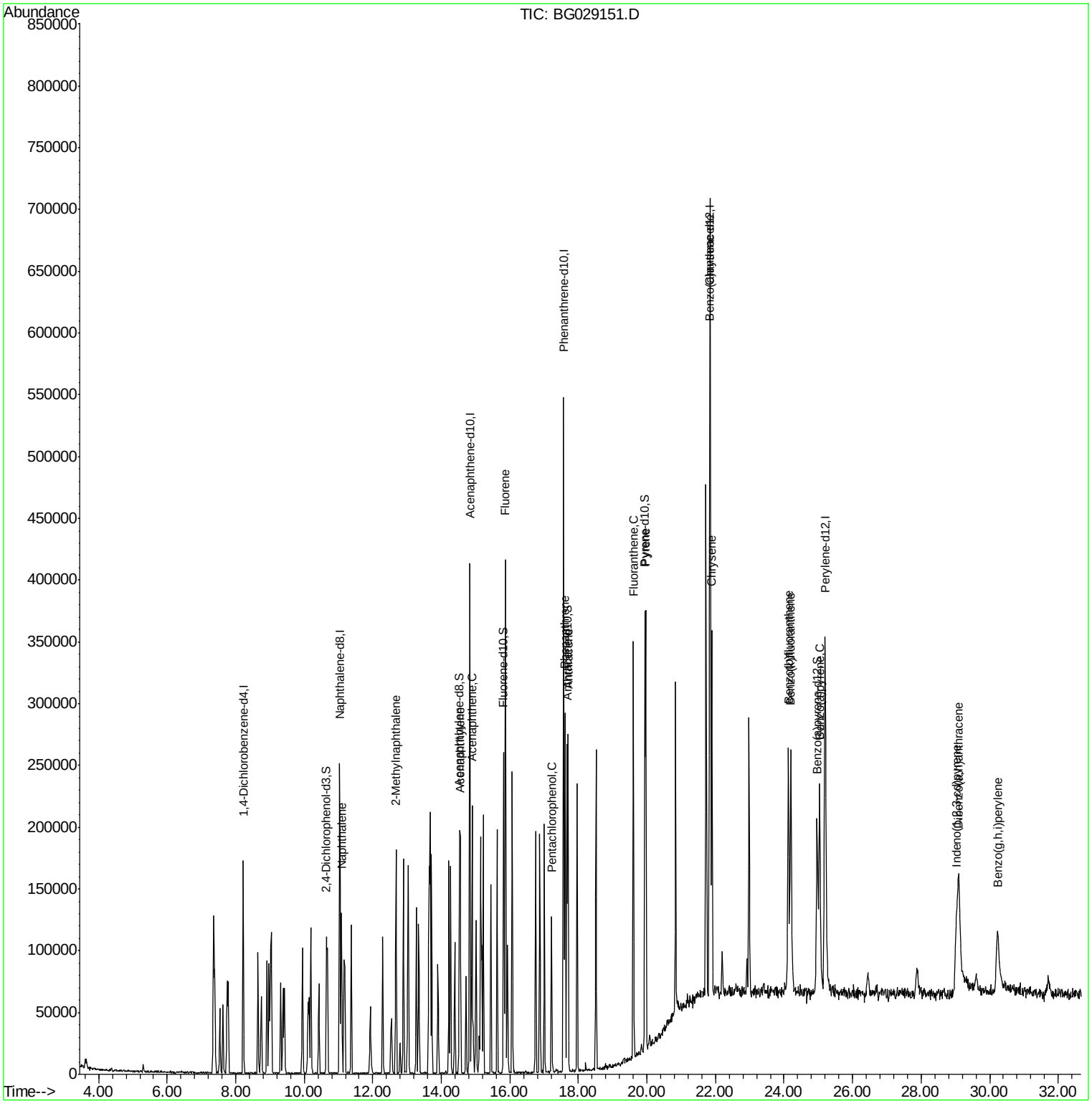
(#) = qualifier out of range (m) = manual integration (+) = signals summed

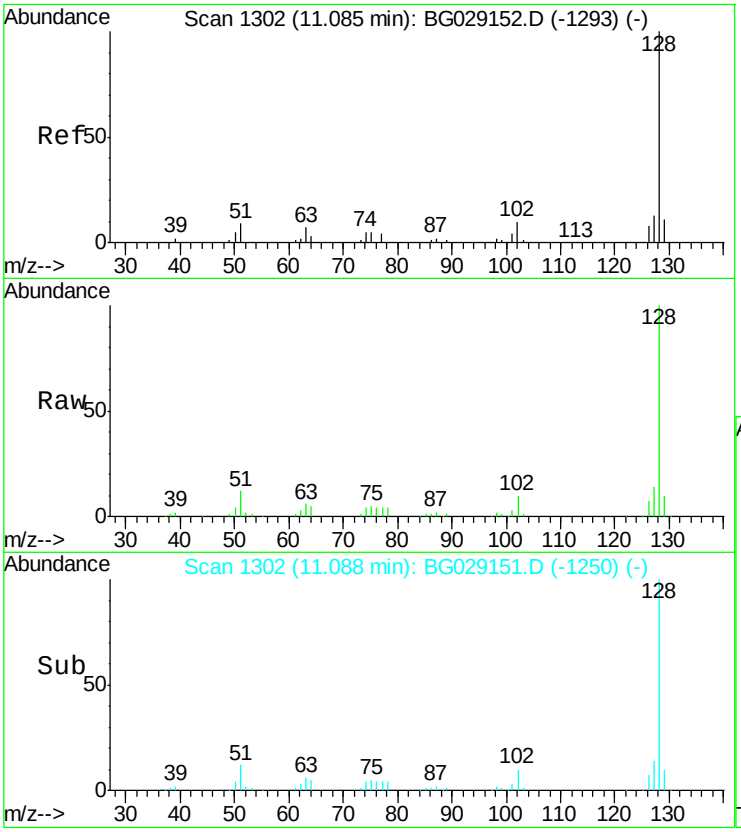
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
Data File : BG029151.D
Acq On : 10 Oct 2017 23:21
Operator : SJ/JU
Sample : SSTD01069
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Quant Time: Oct 11 04:04:12 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101117.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:00:54 2017
Response via : Initial Calibration



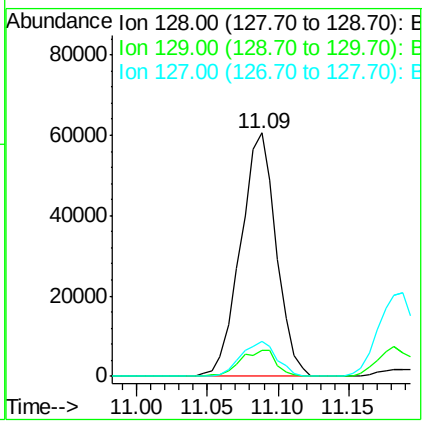


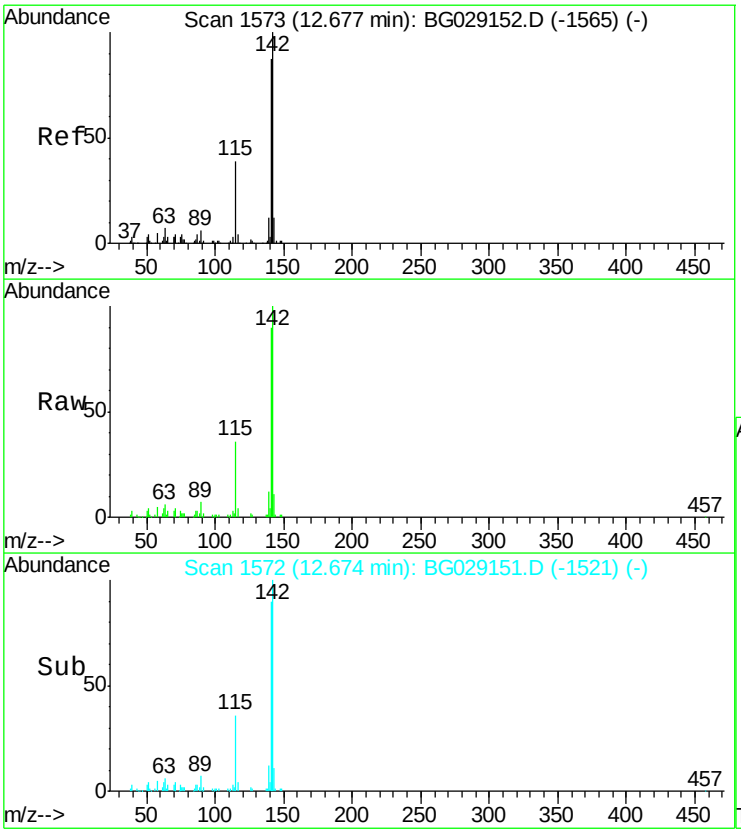

#4
Naphthalene
Concen: 9.826 ng/ul
RT: 11.09 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:128 Resp: 106996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 9.0 | 13.4 |
| 127 | 14.4 | 10.6 | 15.8 |

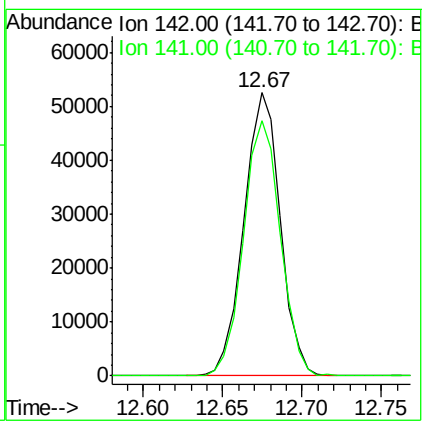


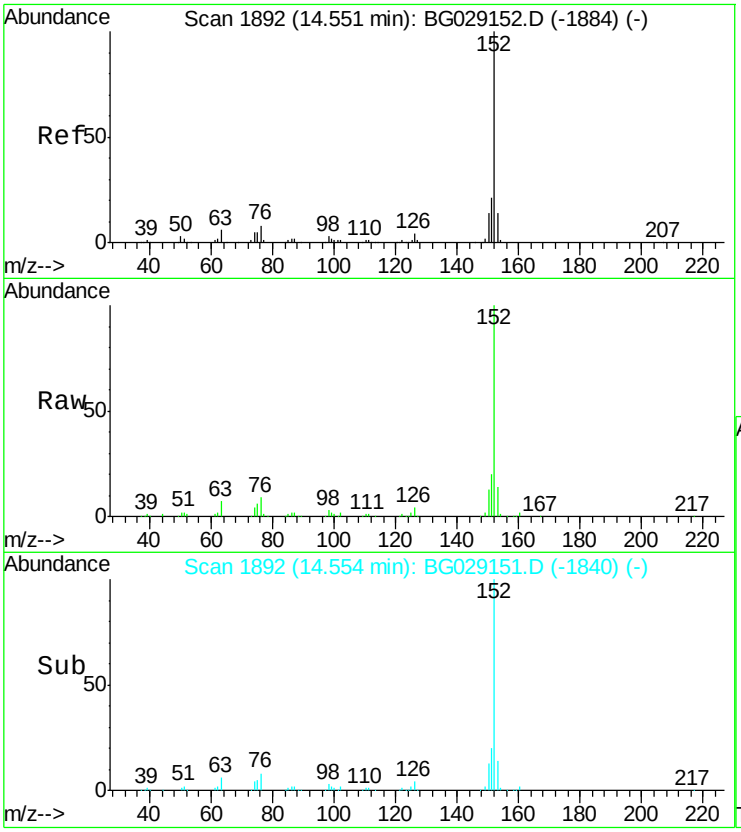




#5
2-Methylnaphthalene
Concen: 9.691 ng/ul
RT: 12.67 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:142 Resp: 83866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 69.8 | 104.8 |



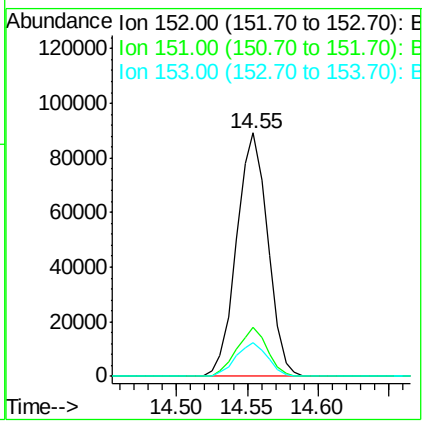


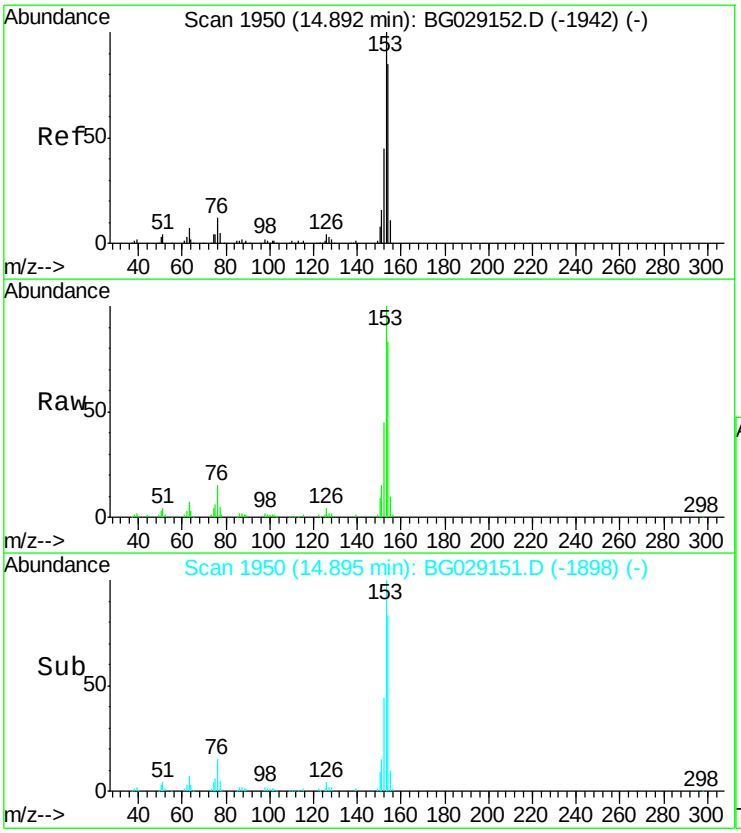

#8
Acenaphthylene
Concen: 9.848 ng/ul
RT: 14.55 min Scan# 1892
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:152 Resp: 137840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.5 | 24.7 |
| 153 | 14.1 | 11.3 | 16.9 |

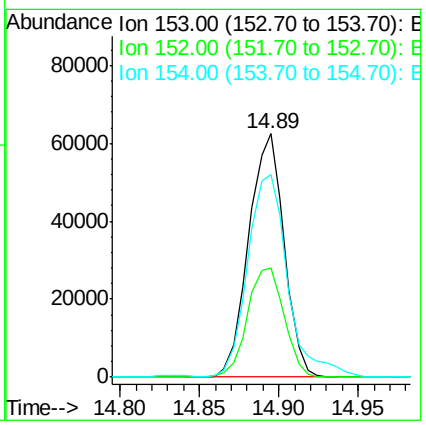


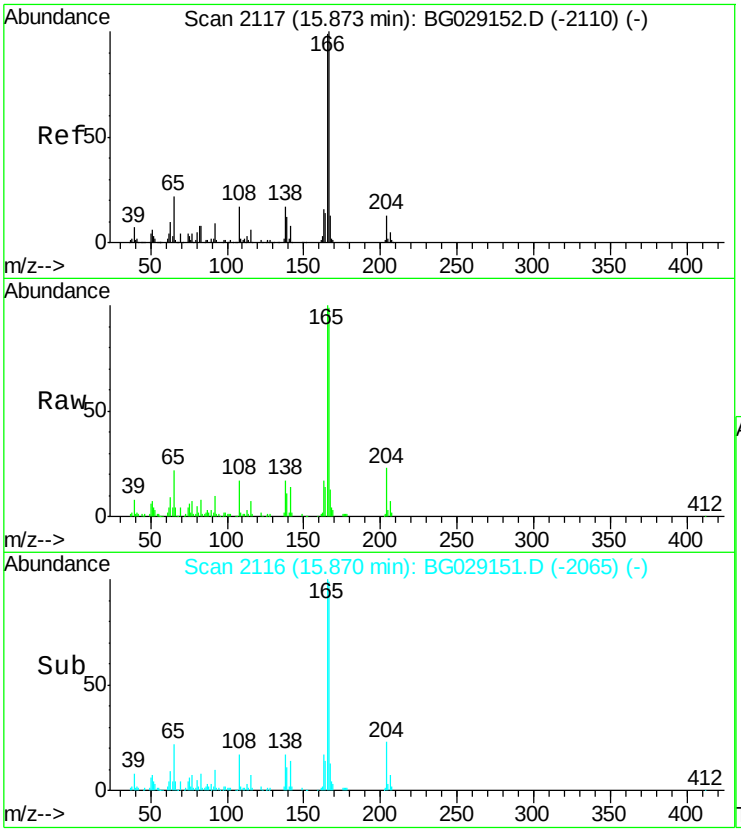




#9
Acenaphthene
Concen: 10.163 ng/ul
RT: 14.89 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:153 Resp: 96687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 44.8 | 36.2 | 54.4 |
| 154 | 83.4 | 68.4 | 102.6 |



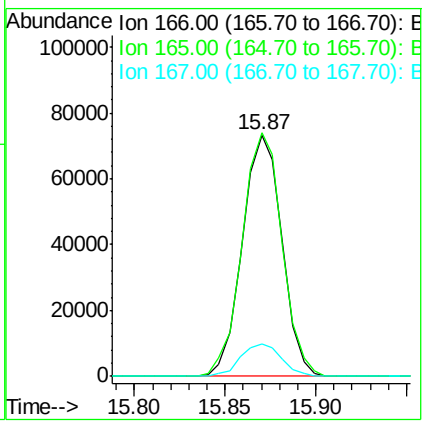


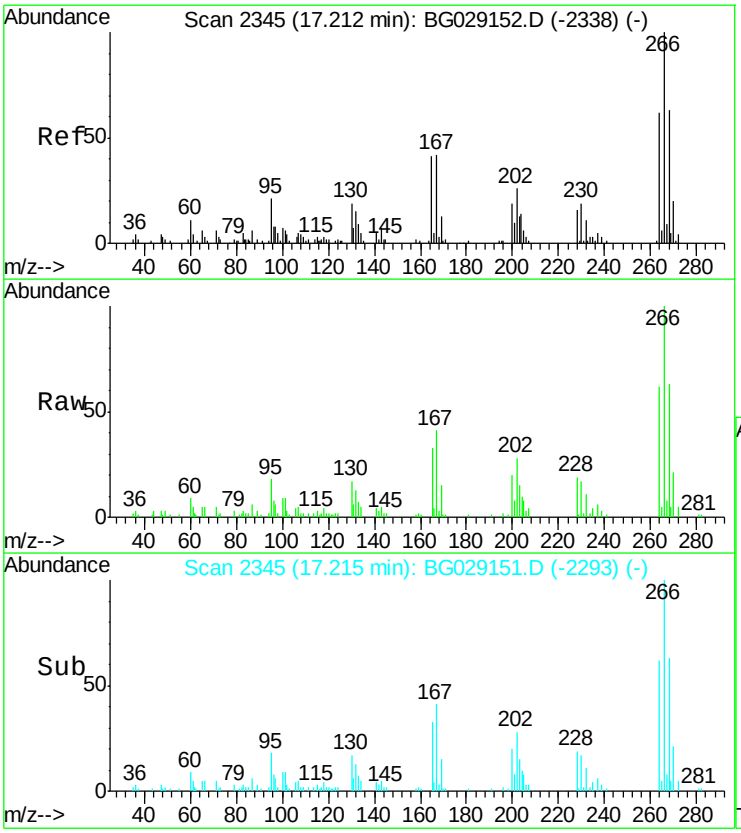

#11
Fluorene
Concen: 9.239 ng/ul
RT: 15.87 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:166 Resp: 111423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.8 | 79.4 | 119.0 |
| 167 | 13.3 | 10.2 | 15.4 |

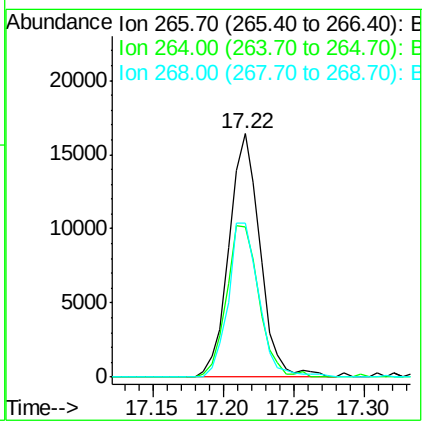


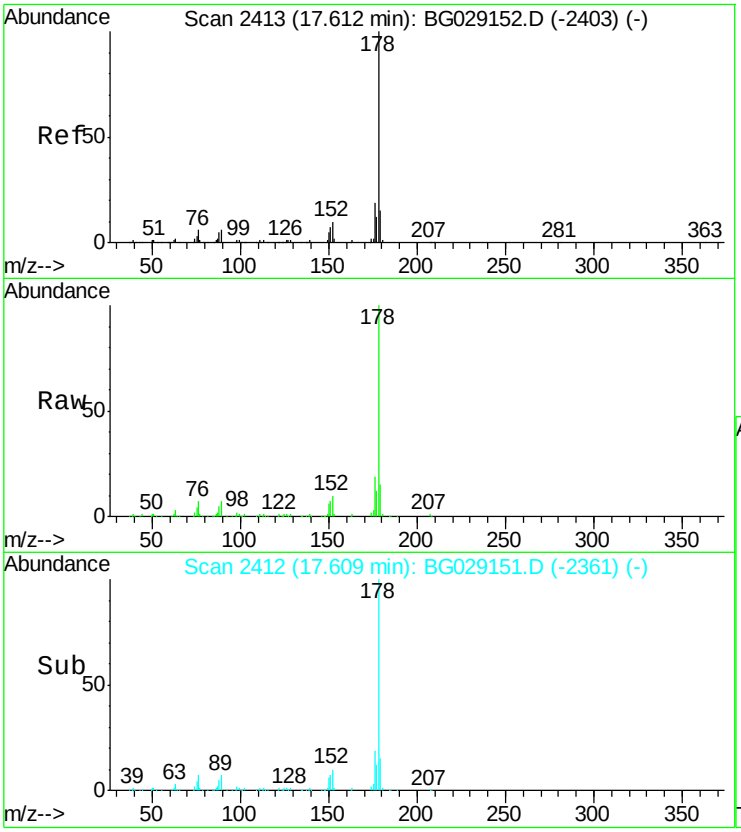




#13
Pentachlorophenol
Concen: 11.449 ng/ul
RT: 17.22 min Scan# 2345
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:266 Resp: 25168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 61.9 | 49.8 | 74.8 |
| 268 | 63.5 | 50.0 | 75.0 |



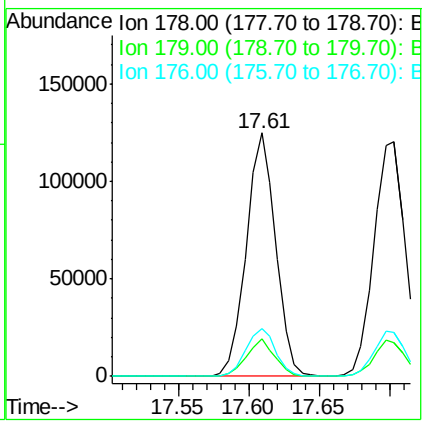


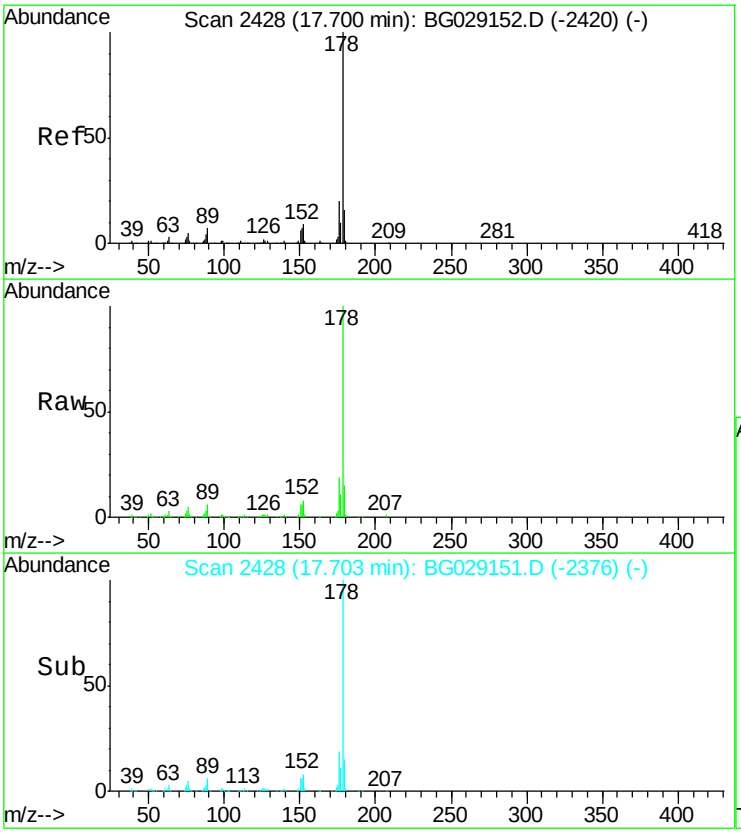

#14
Phenanthrene
Concen: 10.464 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:178 Resp: 182411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.2 | 18.2 |
| 176 | 19.4 | 15.0 | 22.6 |

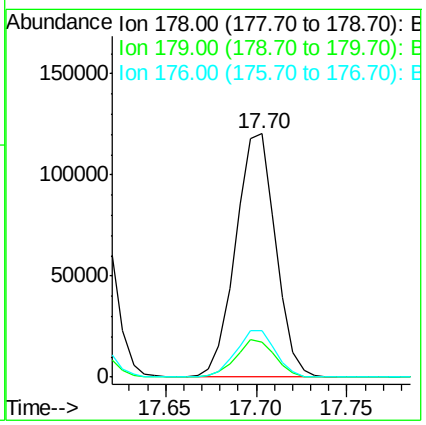


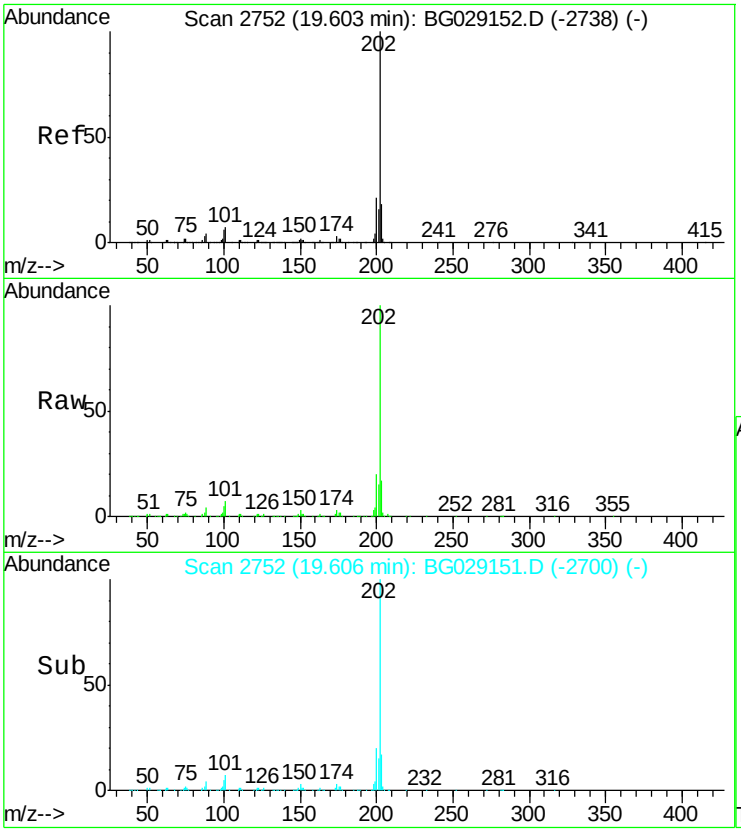




#16
Anthracene
Concen: 10.269 ng/ul
RT: 17.70 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:178 Resp: 184223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.6 | 12.5 | 18.7 |
| 176 | 19.0 | 15.7 | 23.5 |



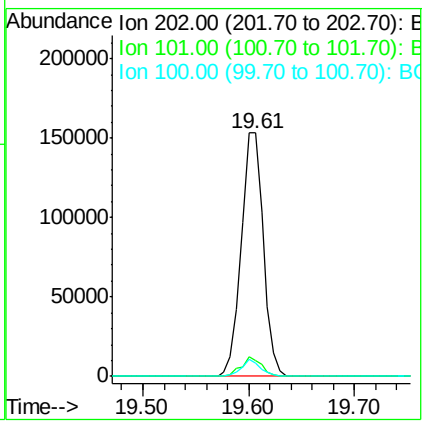


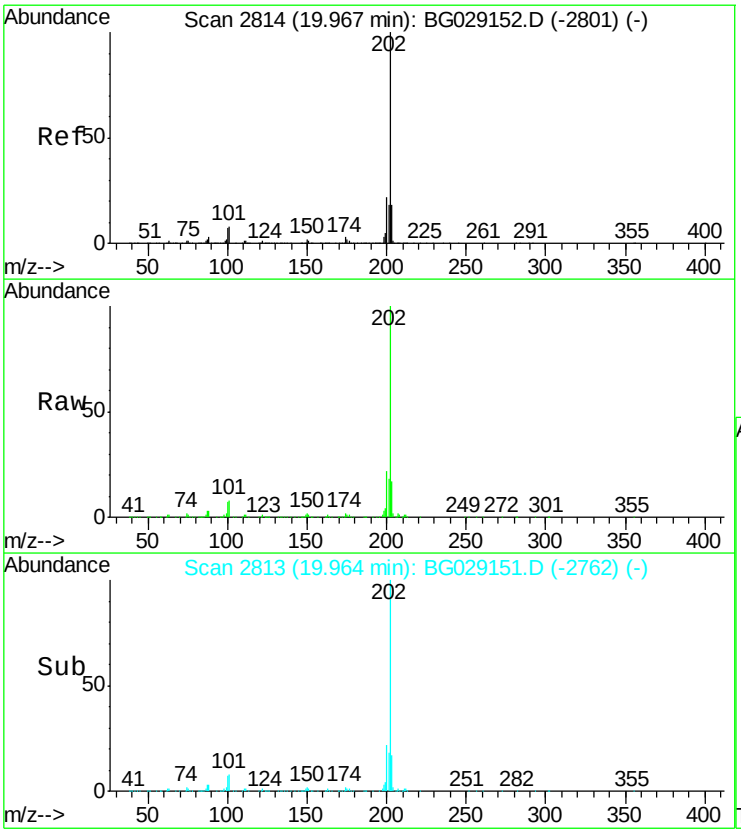

#17
Fluoranthene
Concen: 10.507 ng/ul
RT: 19.61 min Scan# 2752
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:202 Resp: 221994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.7 | 5.6 | 8.4 |
| 100 | 5.4 | 4.7 | 7.1 |

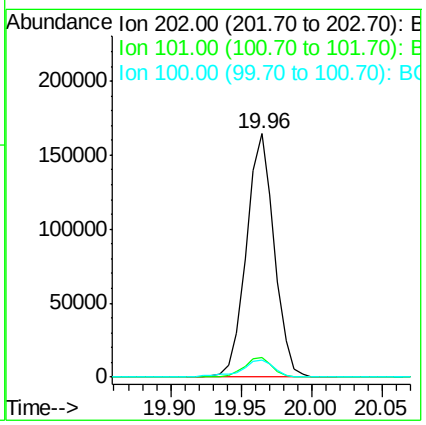


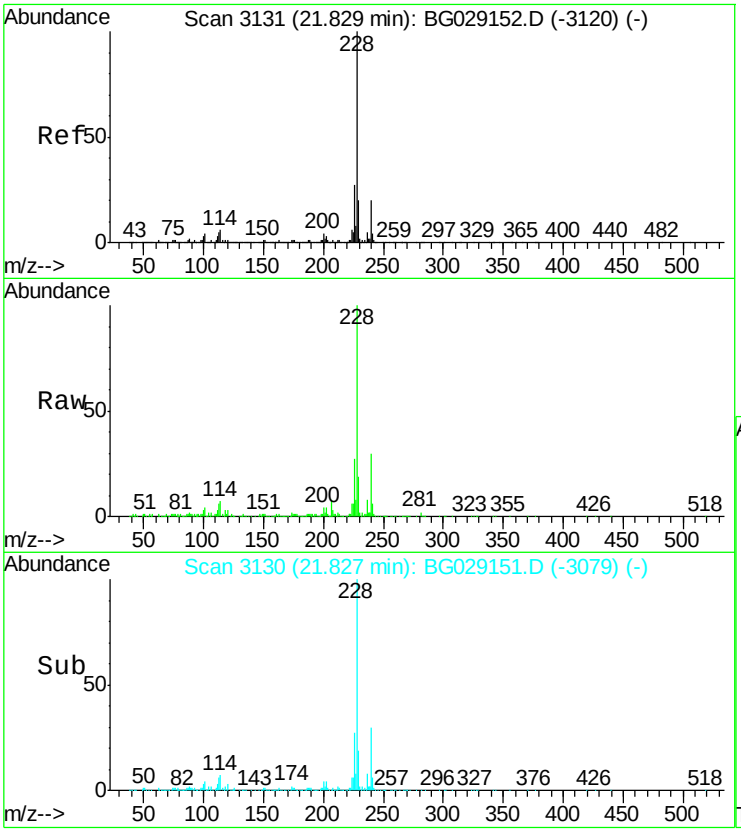




#20
Pyrene
Concen: 9.914 ng/ul
RT: 19.96 min Scan# 2813
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:202 Resp: 227839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.8 | 6.5 | 9.7 |
| 100 | 7.1 | 5.5 | 8.3 |



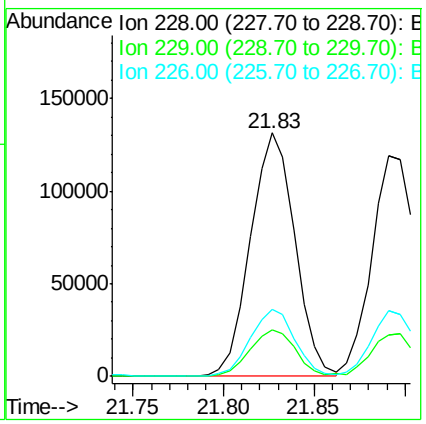


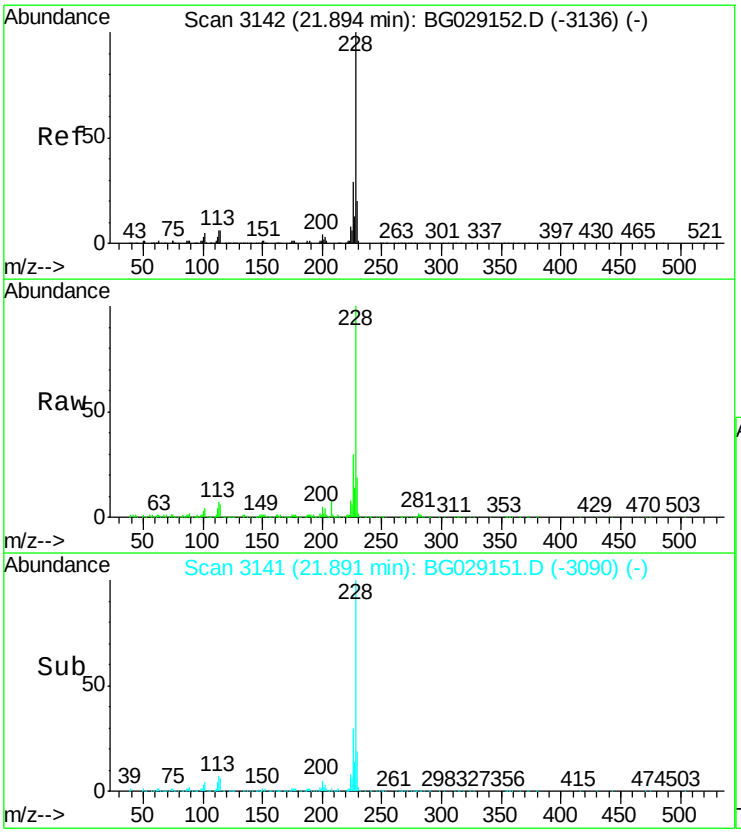

#21
Benzo(a)anthracene
Concen: 9.951 ng/ul
RT: 21.83 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:228 Resp: 223941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.3 | 15.8 | 23.8 |
| 226 | 27.3 | 21.6 | 32.4 |

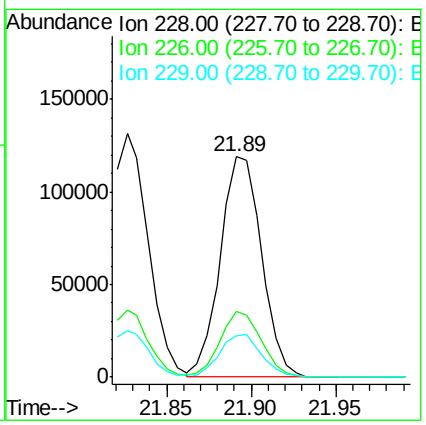


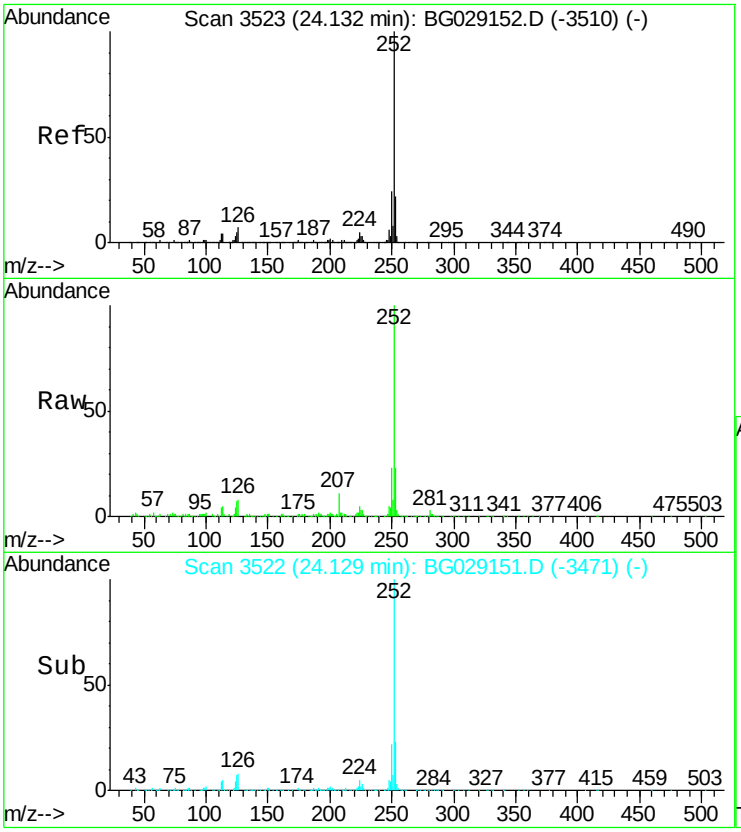




#22
Chrysene
Concen: 10.018 ng/ul
RT: 21.89 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:228 Resp: 202661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.4 | 35.0 |
| 229 | 18.7 | 15.7 | 23.5 |



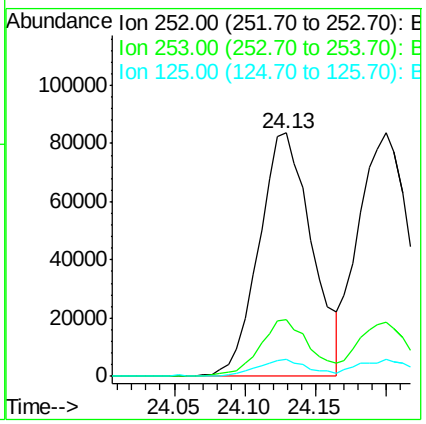


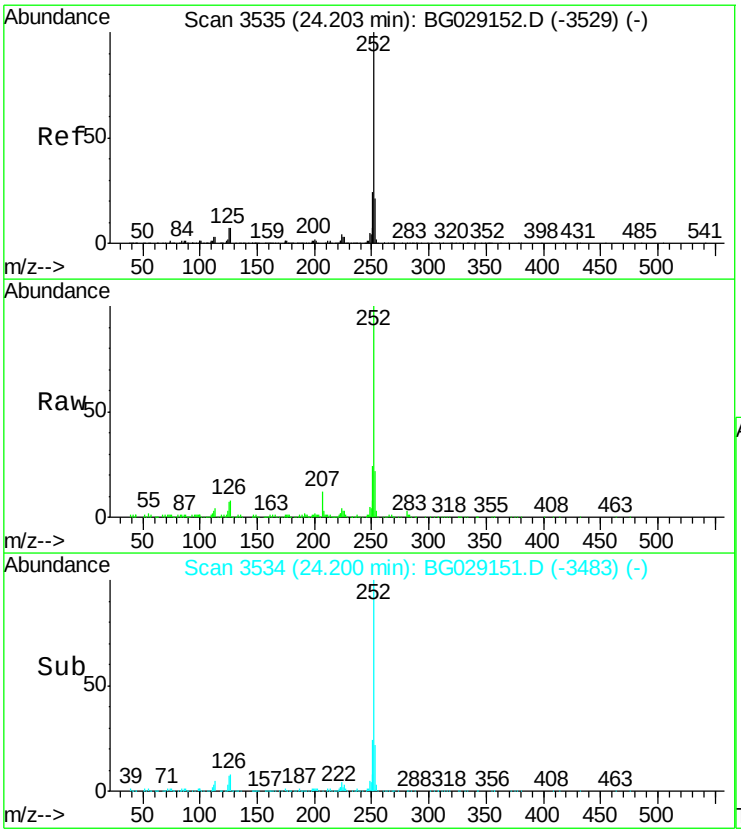

#24
Benzo(b)fluoranthene
Concen: 9.822 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:252 Resp: 218711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.6 | 26.4 |
| 125 | 6.9 | 4.5 | 6.7# |

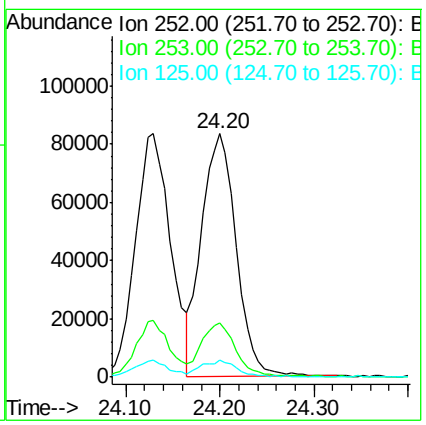


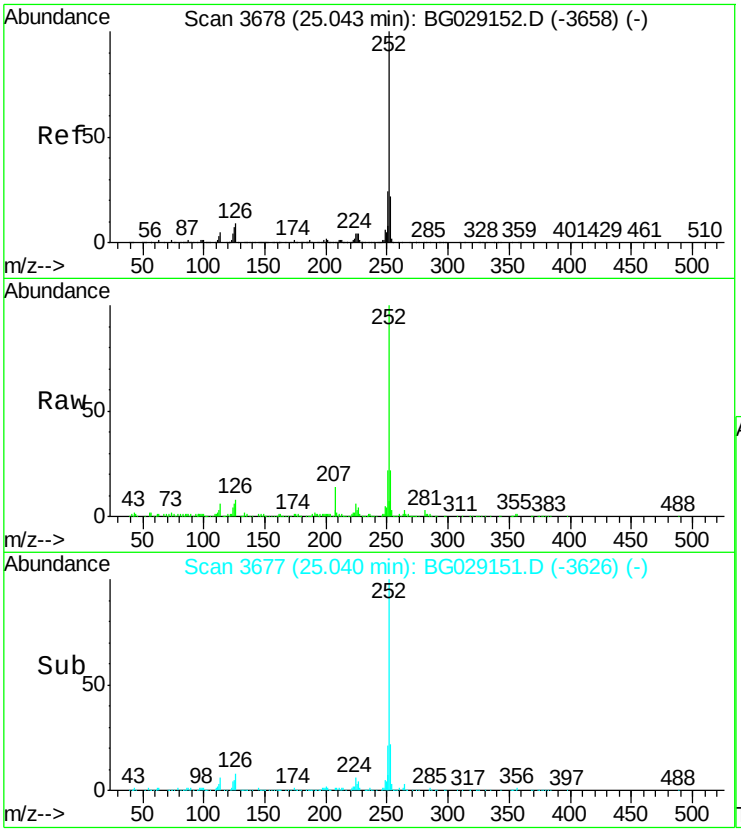




#25
Benzo(k)fluoranthene
Concen: 9.949 ng/ul
RT: 24.20 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:252 Resp: 214598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 16.8 | 25.2 |
| 125 | 6.8 | 5.1 | 7.7 |



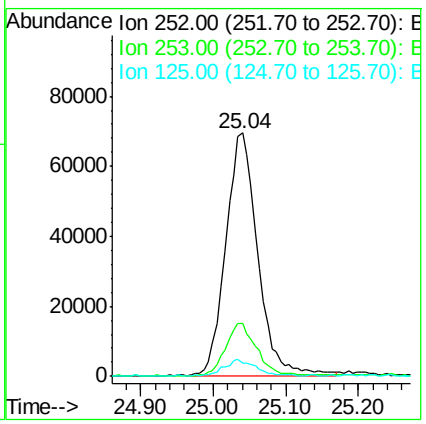


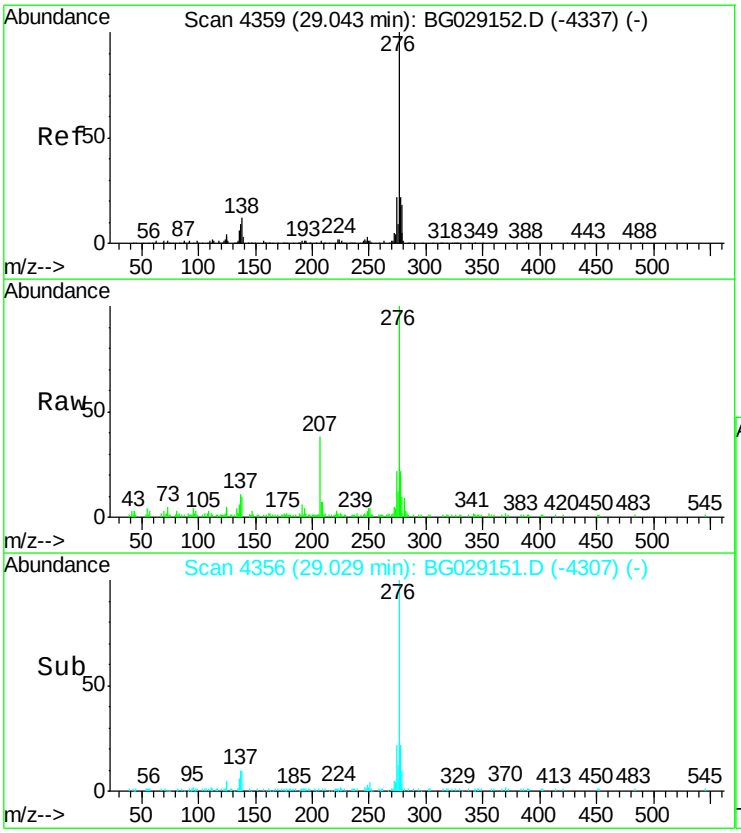

#27
Benzo(a)pyrene
Concen: 9.891 ng/ul
RT: 25.04 min Scan# 3677
Delta R.T. -0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:252 Resp: 212165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 5.5 | 5.4 | 8.2 |

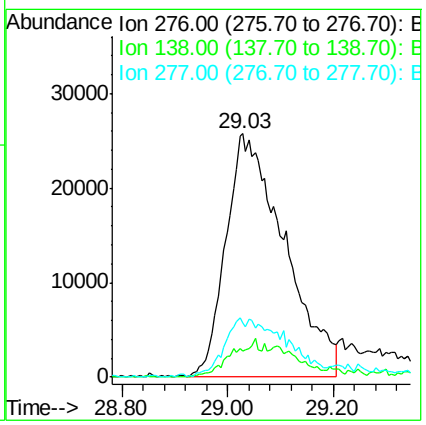


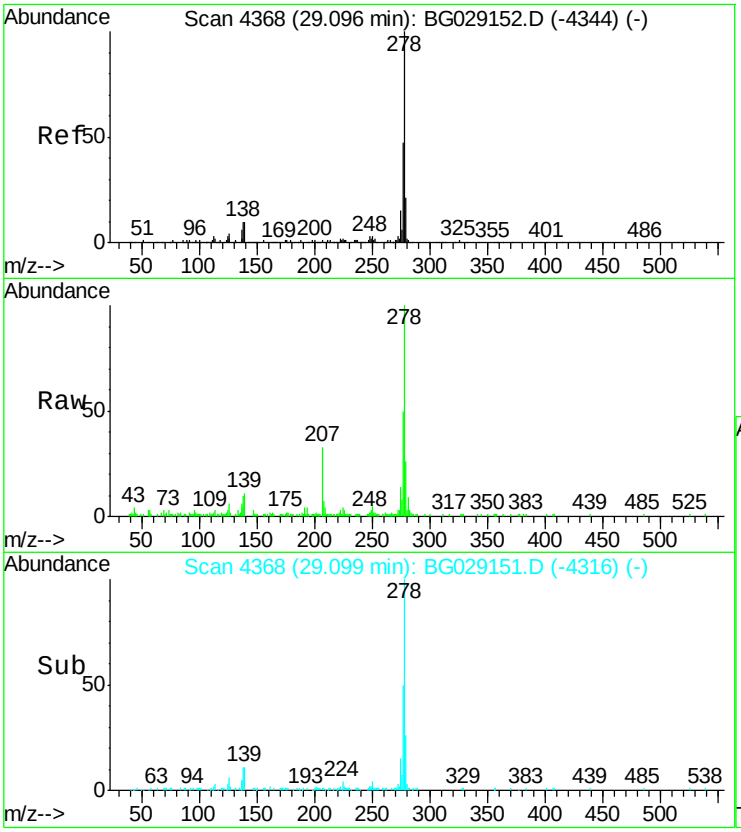




#28
Indeno(1,2,3-cd)pyrene
Concen: 8.184 ng/ul
RT: 29.03 min Scan# 4356
Delta R.T. -0.01 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:276 Resp: 197987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 10.5 | 9.5 | 14.3 |
| 277 | 22.2 | 18.1 | 27.1 |



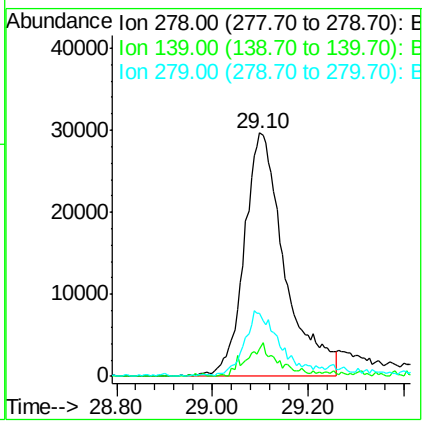


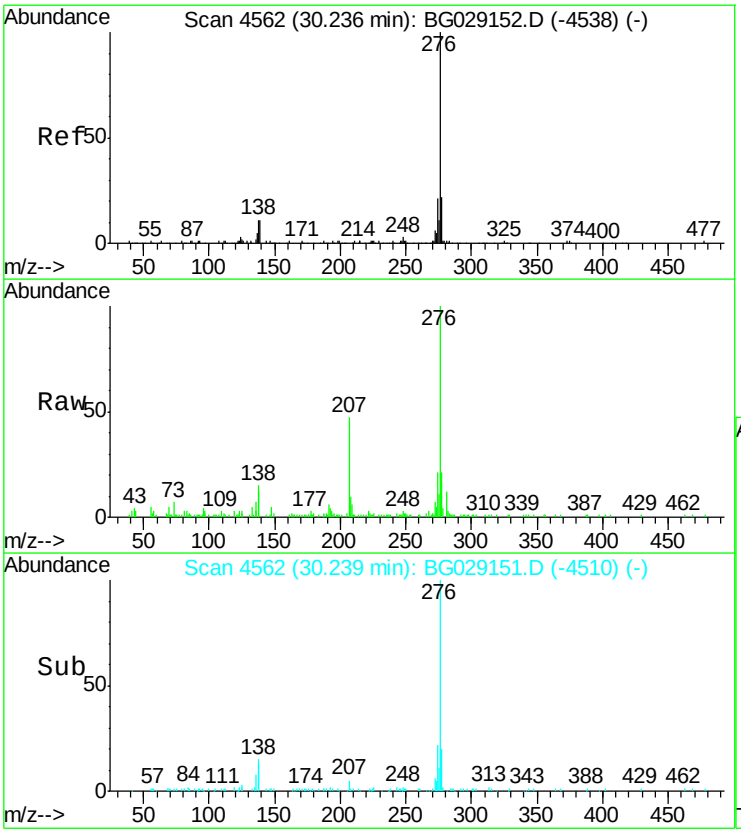

#29
Dibenzo(a,h)anthracene
Concen: 8.509 ng/ul
RT: 29.10 min Scan# 4368
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01069

Tgt Ion:278 Resp: 173788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 11.2 | 8.3 | 12.5 |
| 279 | 25.9 | 17.1 | 25.7# |




#30
Benzo(g,h,i)perylene
Concen: 6.972 ng/ul
RT: 30.24 min Scan# 4562
Delta R.T. 0.00 min
Lab File: BG029151.D
Acq: 10 Oct 2017 23:21

Tgt Ion:276 Resp: 134964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.1 | 9.3 | 13.9# |
| 277 | 20.9 | 17.9 | 26.9 |