Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061316\
Data File : BG022329.D
Acq On : 13 Jun 2016 18:17
Operator : UM/SJ
Sample : H3474-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B4(0-6)C

Quant Time: Jun 14 03:45:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 40024 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.91 | 136 | 188304 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.73 | 164 | 98443 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.47 | 188 | 192742 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.74 | 240 | 151833 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.03 | 264 | 132885 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 221599 | 107.05 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 320553 | 98.49 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.26 | 82 | 178034 | 65.92 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.21 | 330 | 92394 | 83.06 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.35 | 172 | 430040 | 66.57 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.06 | 244 | 420998 | 65.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 49) Dimethylphthalate | 14.17 | 163 | 59954 | 7.35 | ng | | 98 |
| 70) Phenanthrene | 17.51 | 178 | 61463 | 5.87 | ng | | 98 |
| 74) Fluoranthene | 19.51 | 202 | 114013 | 9.47 | ng | | 98 |
| 77) Pyrene | 19.88 | 202 | 97214 | 10.30 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.72 | 228 | 47813 | 5.62 | ng | | 95 |
| 82) Chrysene | 21.79 | 228 | 47928 | 5.78 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 23.98 | 252 | 54757 | 7.07 | ng | # | 90 |
| 88) Benzo(k)fluoranthene | 23.98 | 252 | 54757 | 7.18 | ng | # | 90 |
| 89) Benzo(a)pyrene | 24.87 | 252 | 36012 | 4.86 | ng | # | 92 |

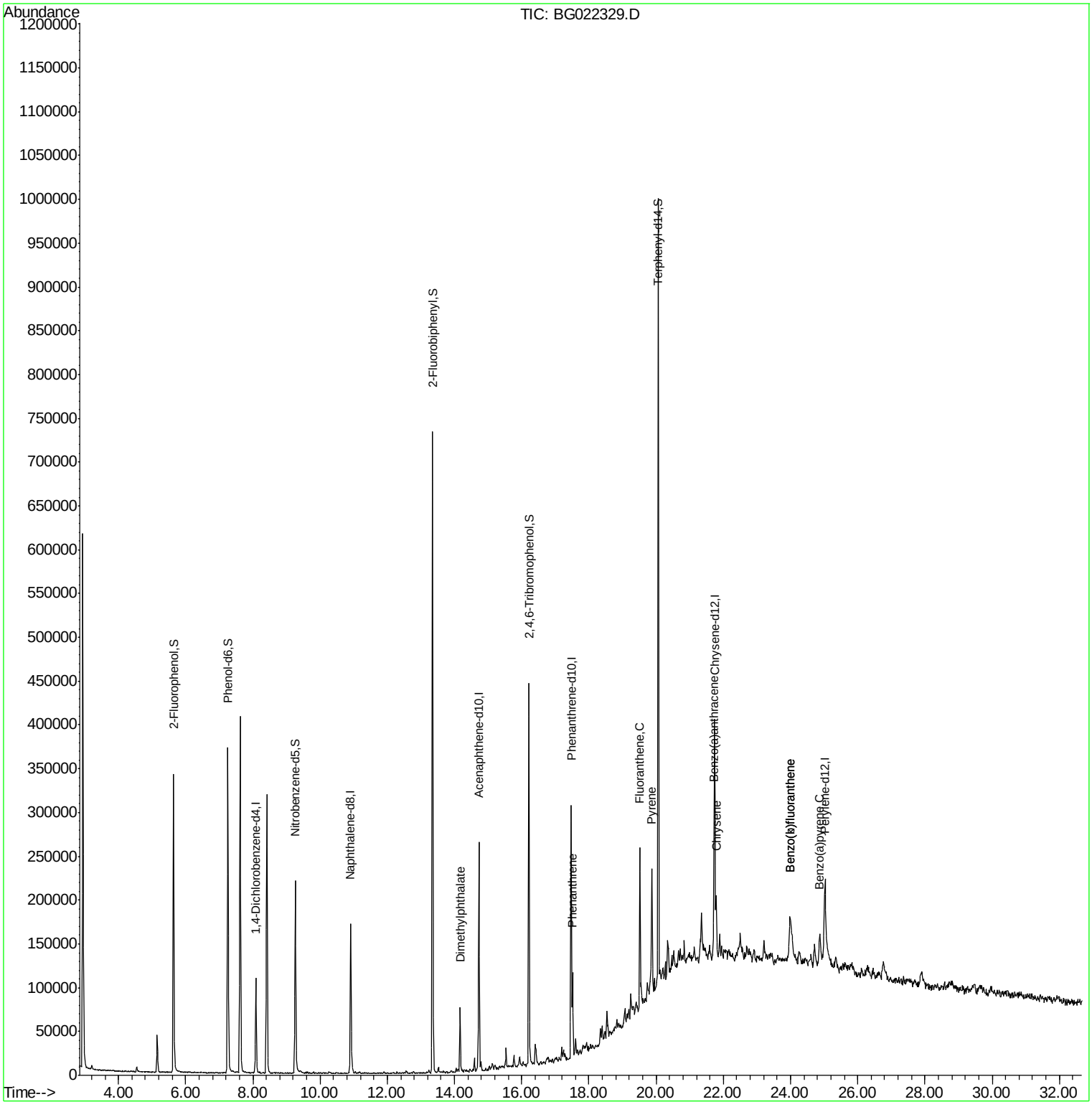
(#) = qualifier out of range (m) = manual integration (+) = signals summed

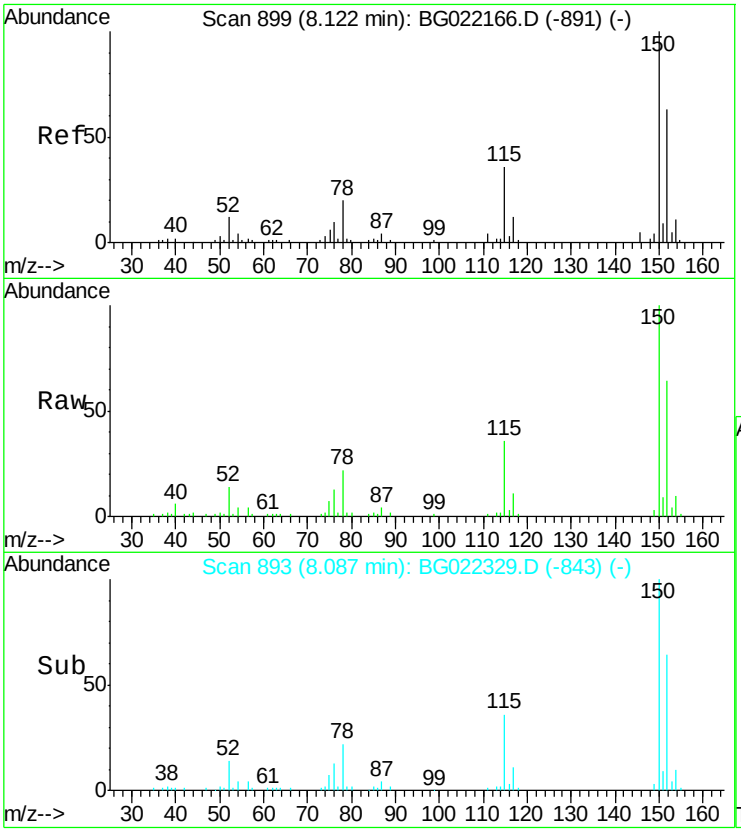
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061316\
Data File : BG022329.D
Acq On : 13 Jun 2016 18:17
Operator : UM/SJ
Sample : H3474-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Quant Time: Jun 14 03:45:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration



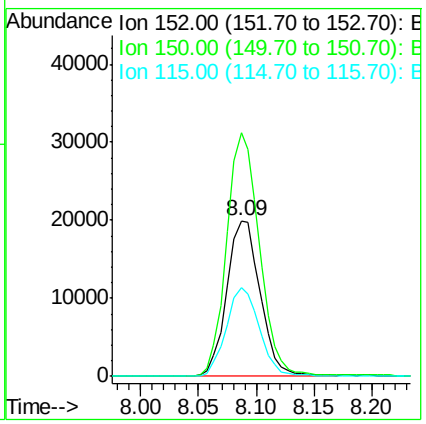


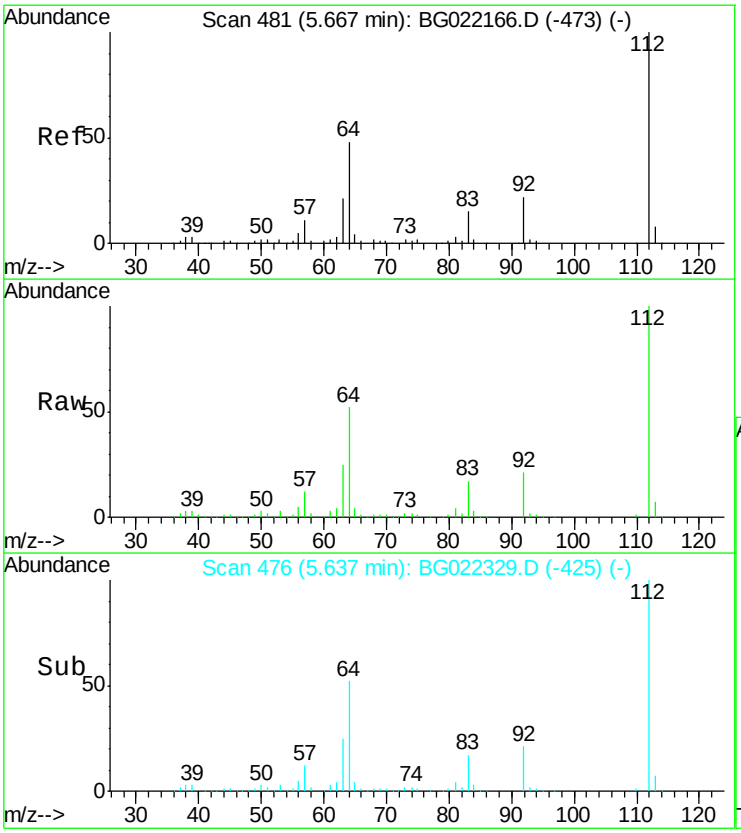

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:152 Resp: 40024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 130.1 | 195.1 |
| 115 | 56.9 | 62.2 | 93.2# |

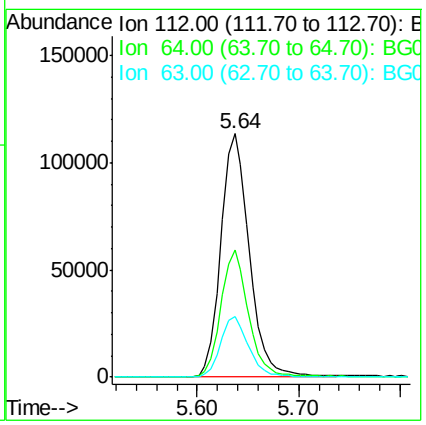


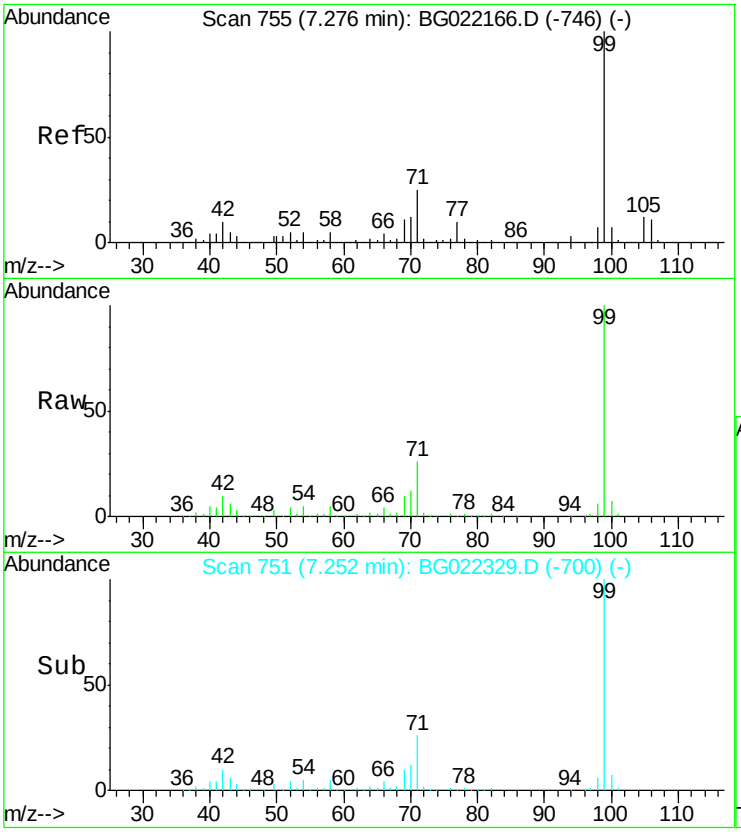




#5
2-Fluorophenol
Concen: 107.05 ng
RT: 5.64 min Scan# 476
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:112 Resp: 221599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.0 | 51.1 | 76.7 |
| 63 | 25.0 | 24.6 | 37.0 |



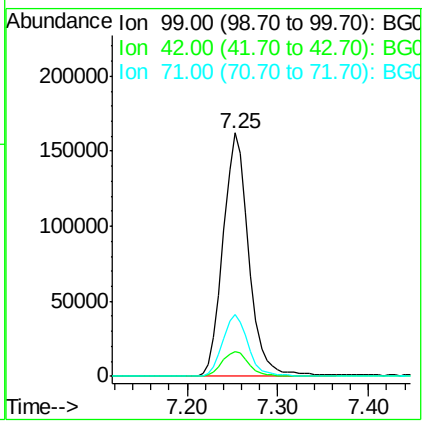


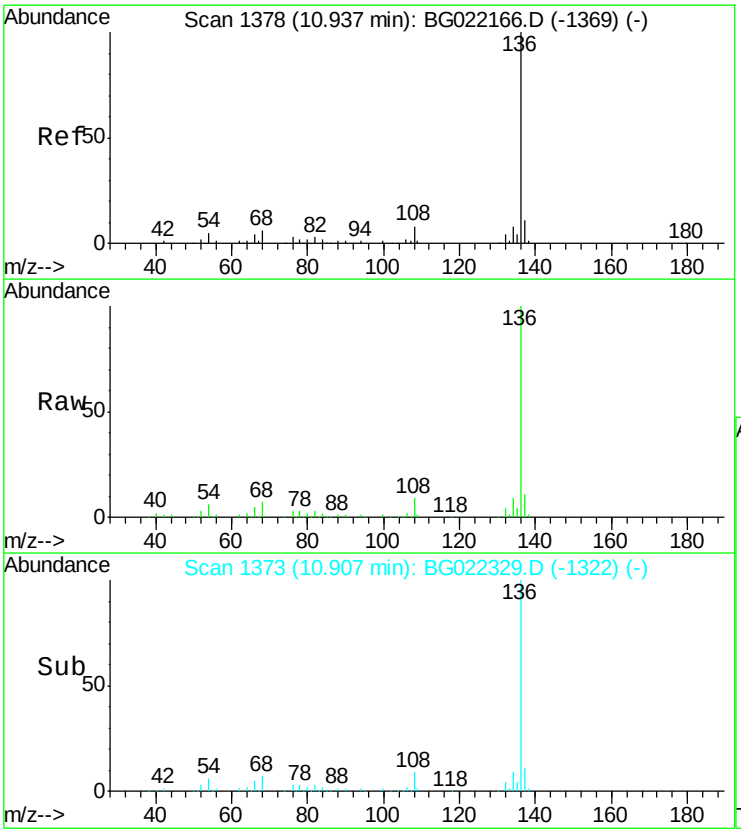

#7
Phenol-d6
Concen: 98.49 ng
RT: 7.25 min Scan# 751
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion: 99 Resp: 320553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 10.2 | 16.4 | 24.6# |
| 71 | 25.7 | 25.0 | 37.4 |

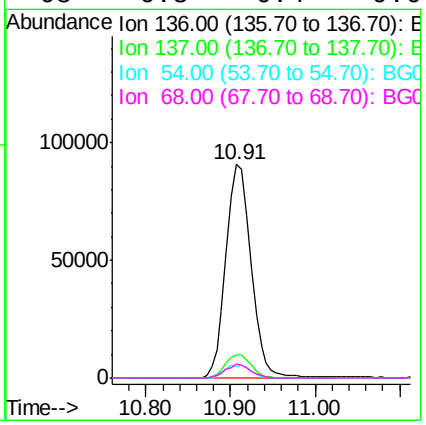


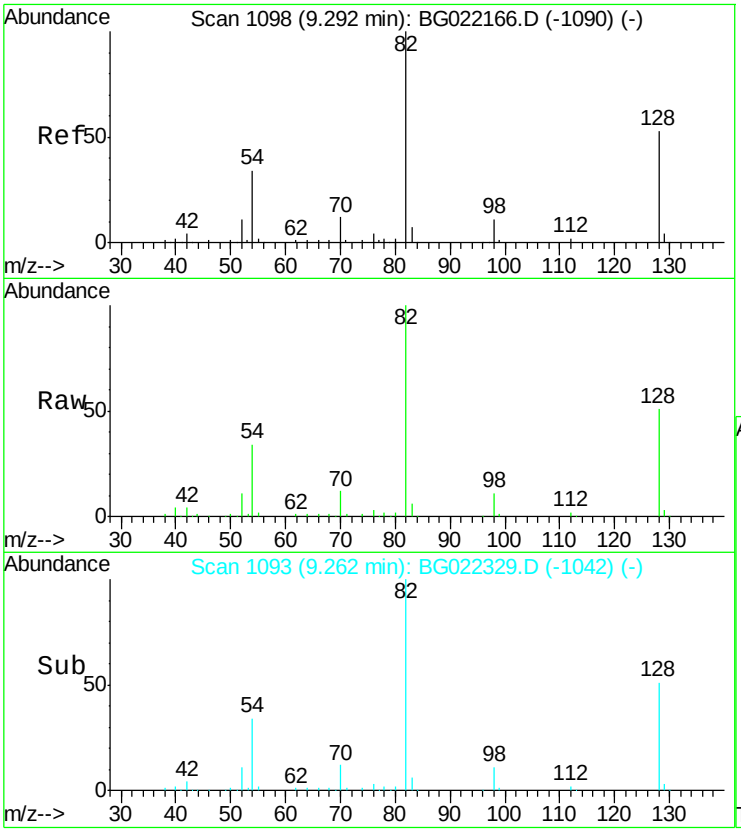




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.91 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:136 Resp: 188304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 5.7 | 9.6 | 14.4# |
| 68 | 6.8 | 6.4 | 9.6 |



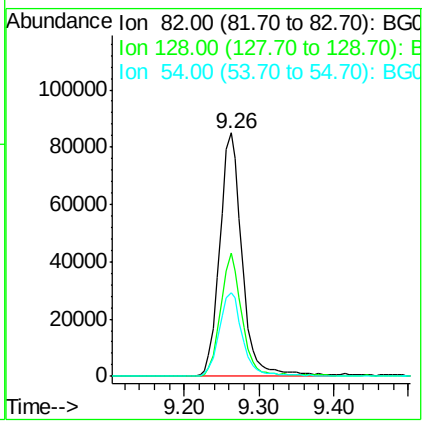


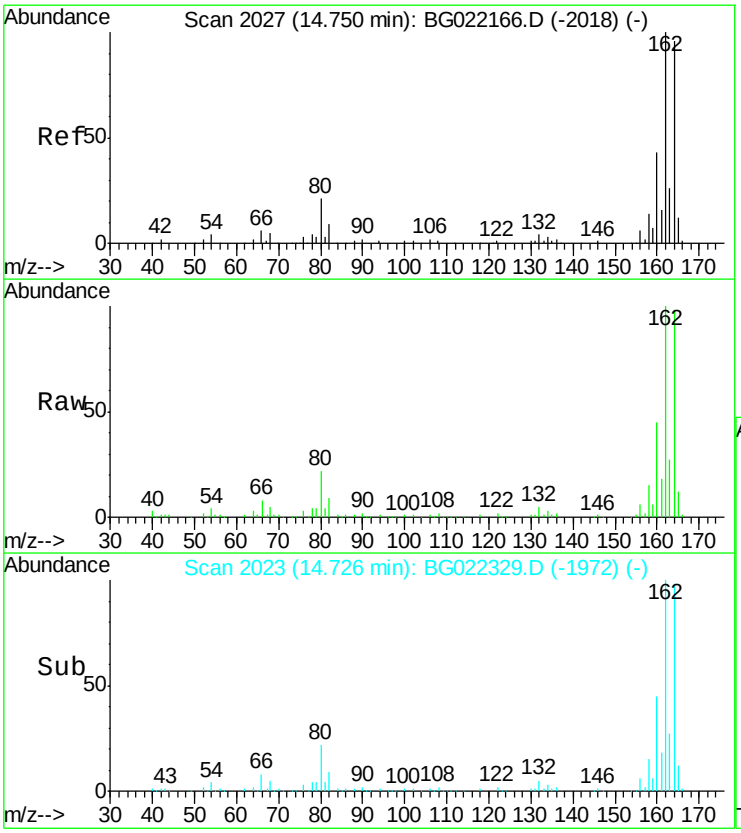

#23
Nitrobenzene-d5
Concen: 65.92 ng
RT: 9.26 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion: 82 Resp: 178034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.5 | 33.4 | 50.0# |
| 54 | 34.5 | 46.1 | 69.1# |

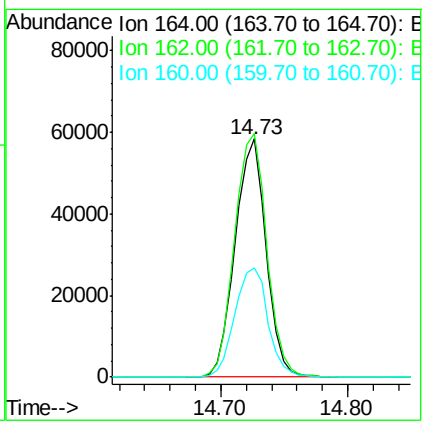


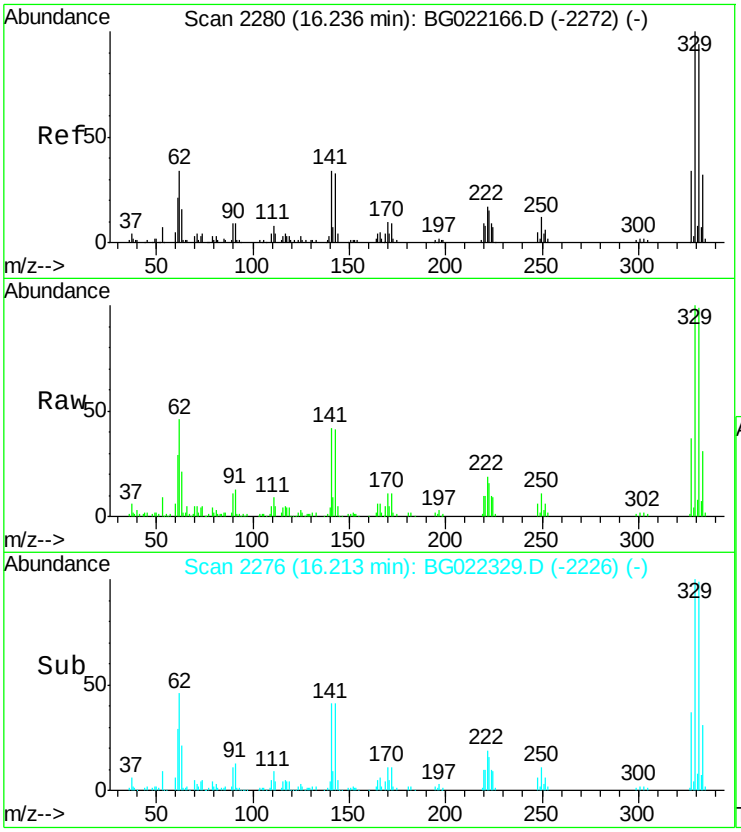




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:164 Resp: 98443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 78.0 | 117.0 |
| 160 | 45.8 | 32.9 | 49.3 |



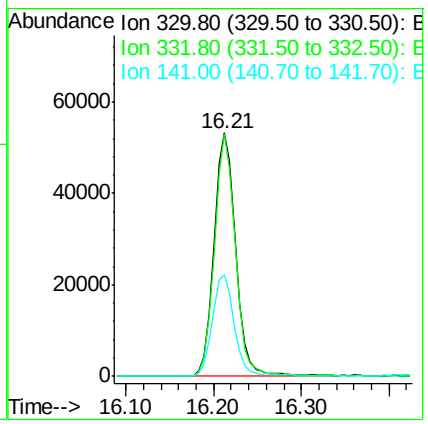


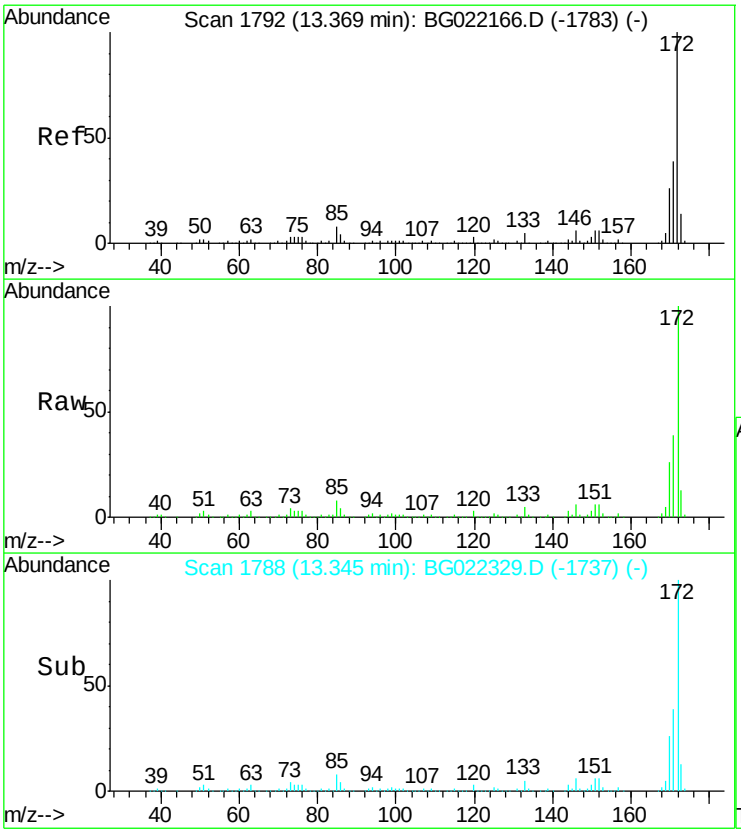

#41
2,4,6-Tribromophenol
Concen: 83.06 ng
RT: 16.21 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:330 Resp: 92394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 78.0 | 117.0 |
| 141 | 42.4 | 33.8 | 50.8 |

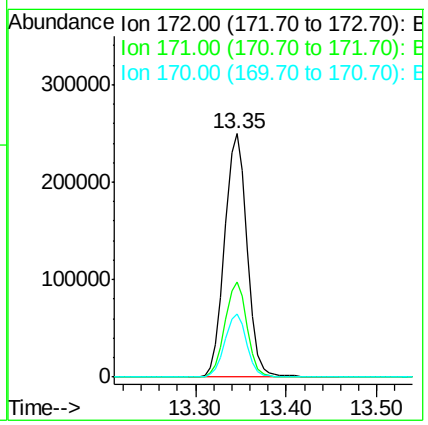


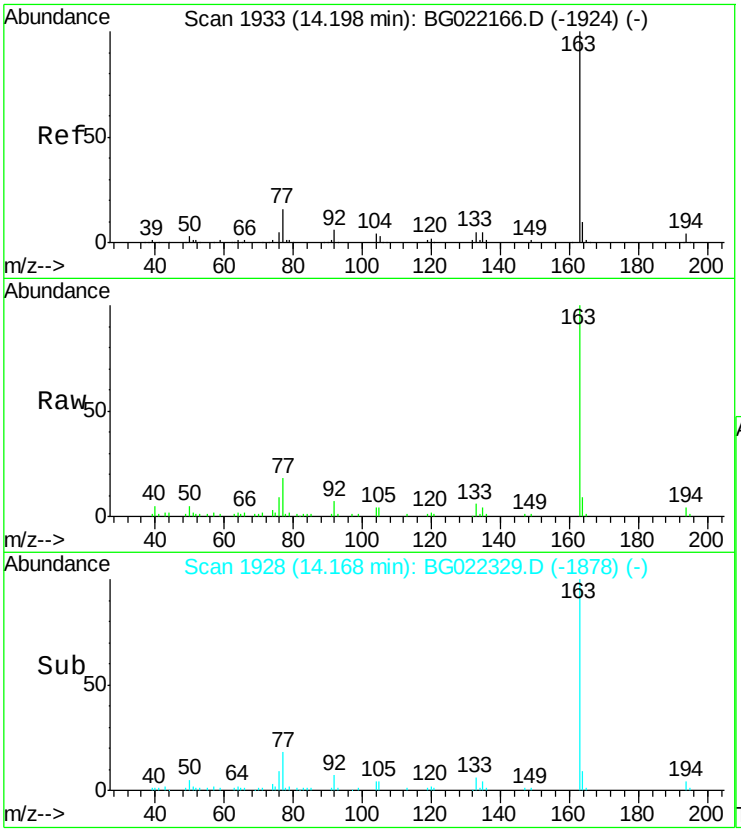




#44
2-Fluorobiphenyl
Concen: 66.57 ng
RT: 13.35 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:172 Resp: 430040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.0 | 27.8 | 41.6 |
| 170 | 26.0 | 19.6 | 29.4 |



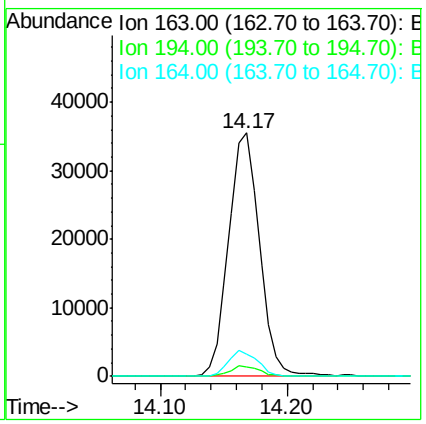


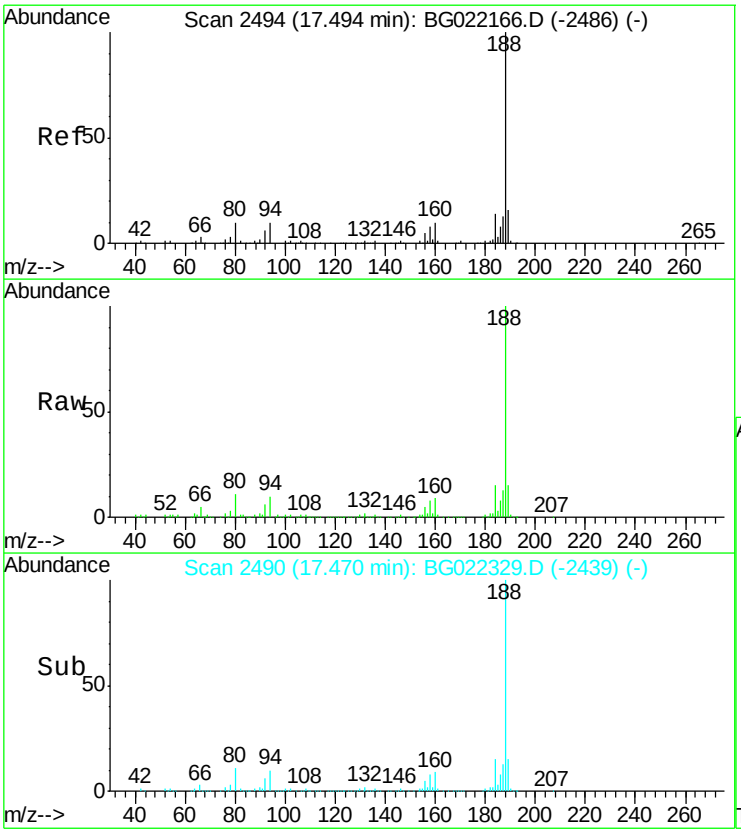

#49
Dimethylphthalate
Concen: 7.35 ng
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:163 Resp: 59954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.0 | 4.6 |
| 164 | 9.1 | 8.1 | 12.1 |

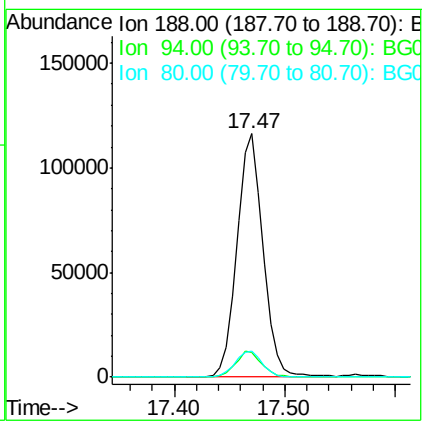


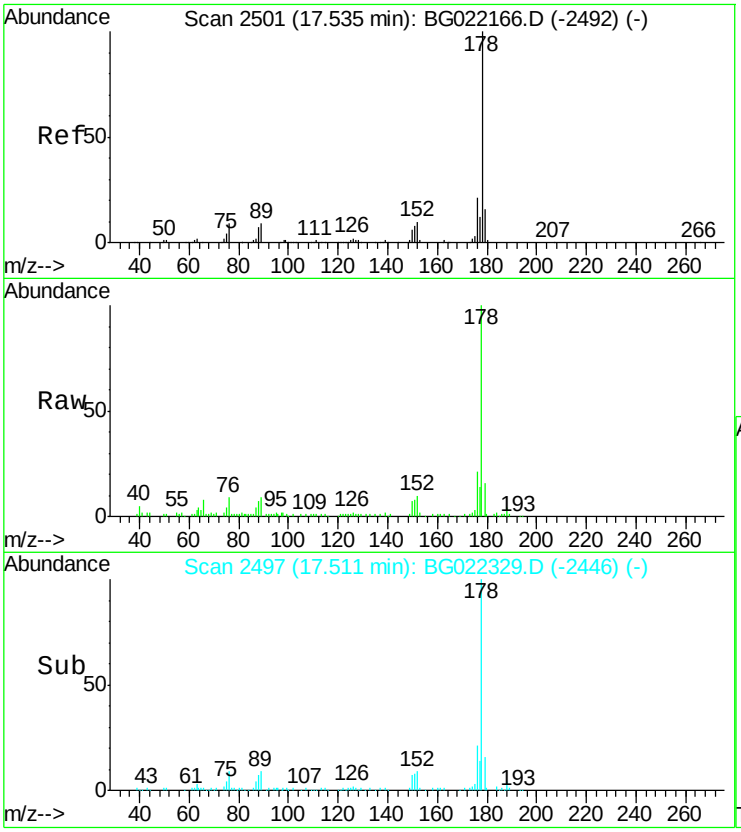




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:188 Resp: 192742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 7.5 | 11.3 |
| 80 | 10.5 | 8.6 | 13.0 |



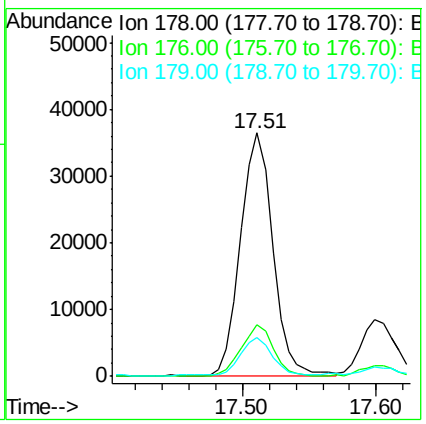


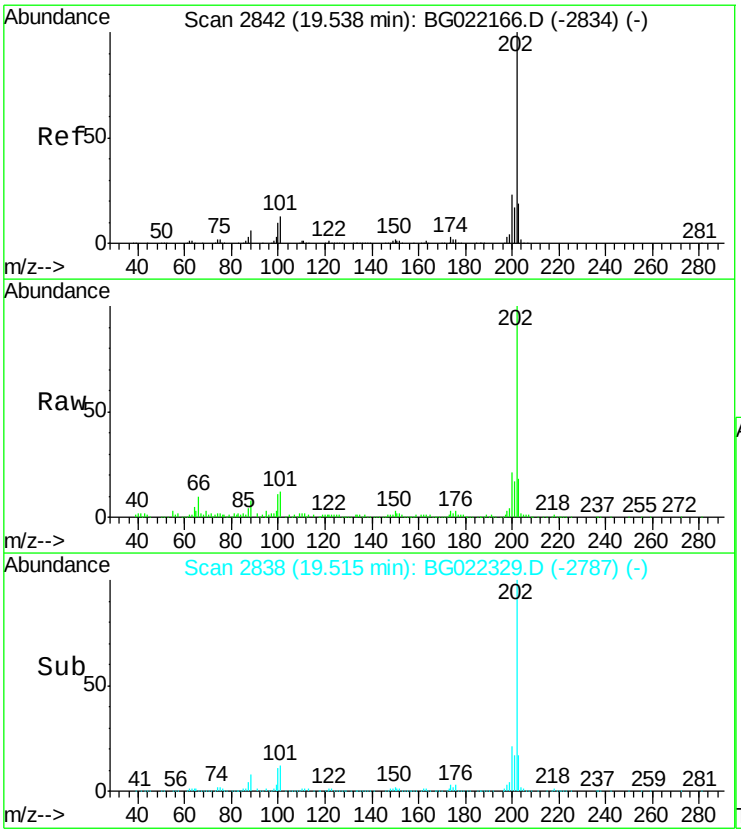

#70
Phenanthrene
Concen: 5.87 ng
RT: 17.51 min Scan# 2497
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:178 Resp: 61463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.2 | 16.2 | 24.4 |
| 179 | 15.7 | 12.0 | 18.0 |

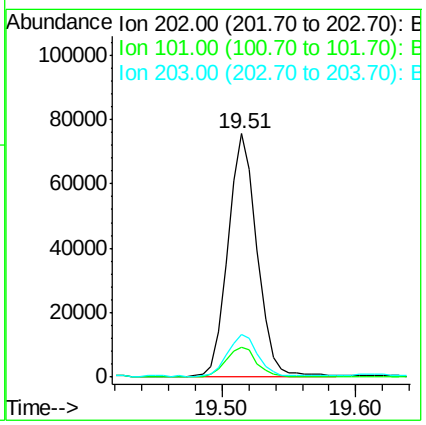


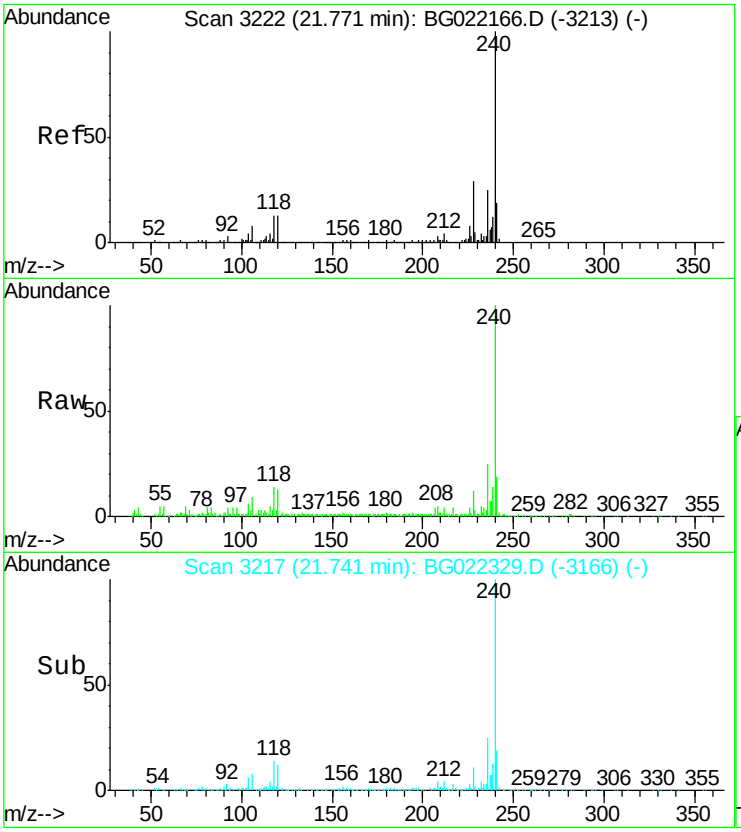




#74
Fluoranthene
Concen: 9.47 ng
RT: 19.51 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:202 Resp: 114013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 0.0 | 31.0 |
| 203 | 17.6 | 0.0 | 37.9 |



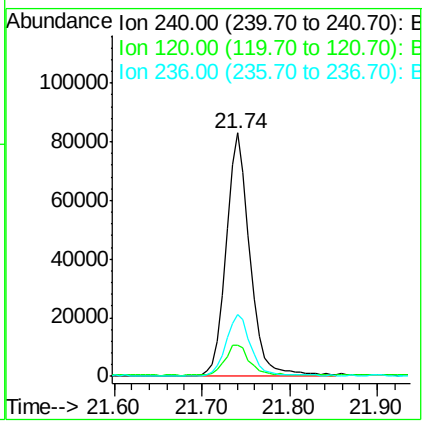


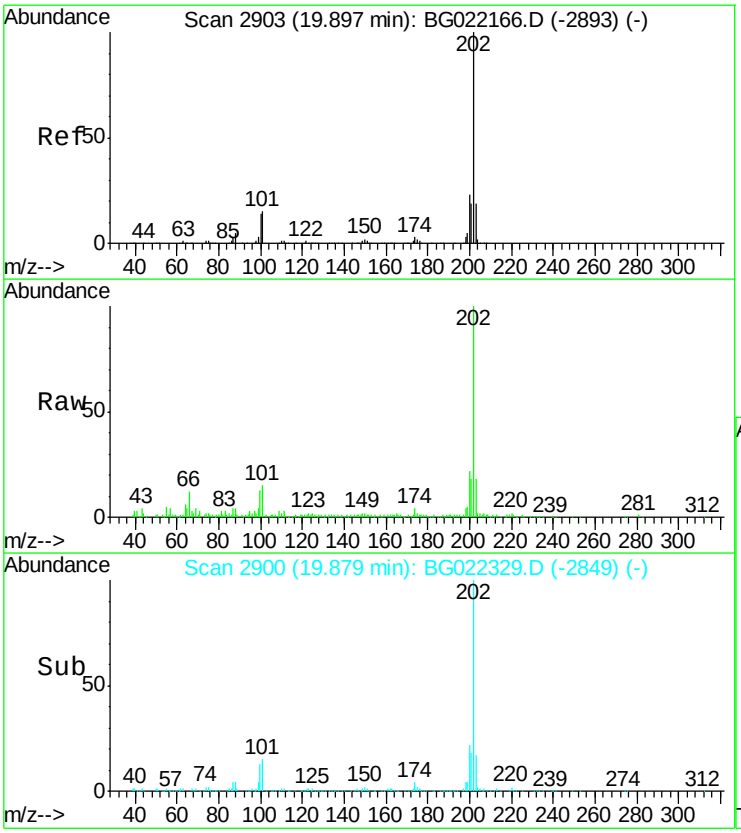

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.74 min Scan# 3217
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:240 Resp: 151833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.9 | 8.4 | 12.6# |
| 236 | 25.5 | 19.6 | 29.4 |

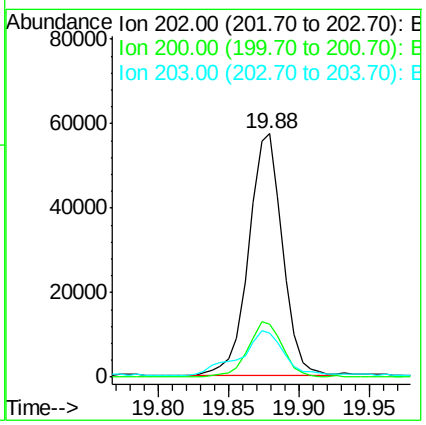


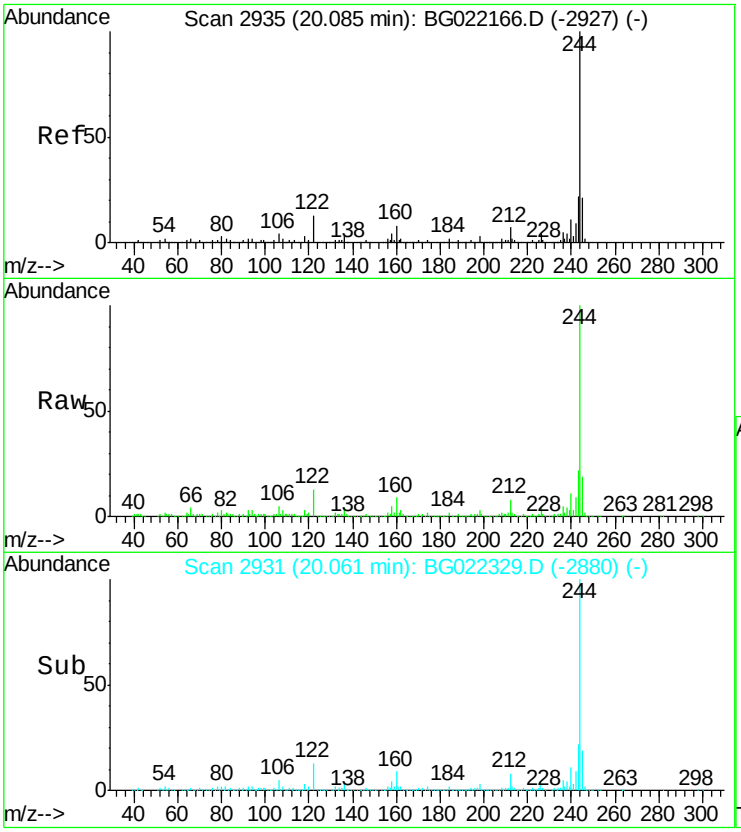




#77
Pyrene
Concen: 10.30 ng
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:202 Resp: 97214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 18.2 | 27.2 |
| 203 | 18.1 | 15.0 | 22.4 |



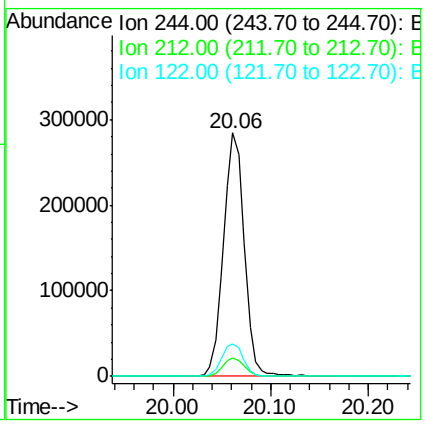


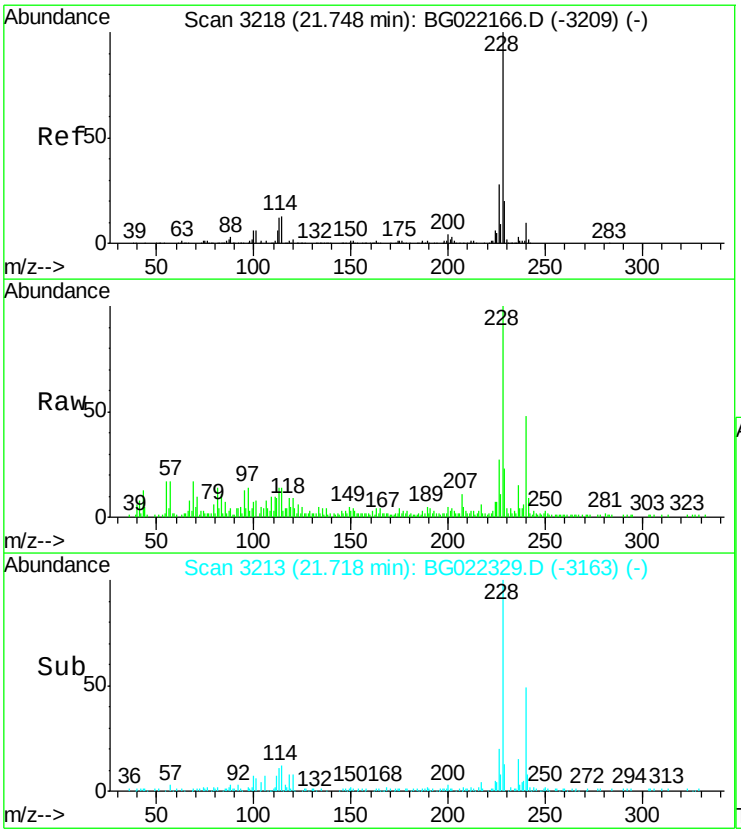

#78
Terphenyl-d14
Concen: 65.83 ng
RT: 20.06 min Scan# 2931
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:244 Resp: 420998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.5 | 9.7 |
| 122 | 13.3 | 8.6 | 12.8# |

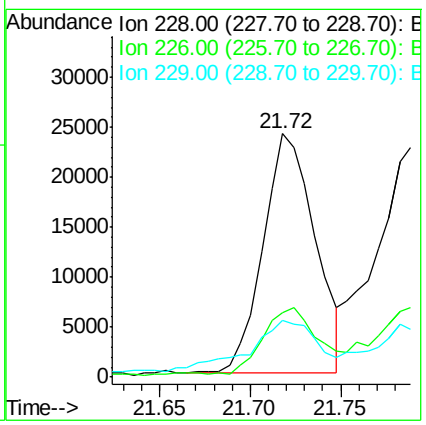


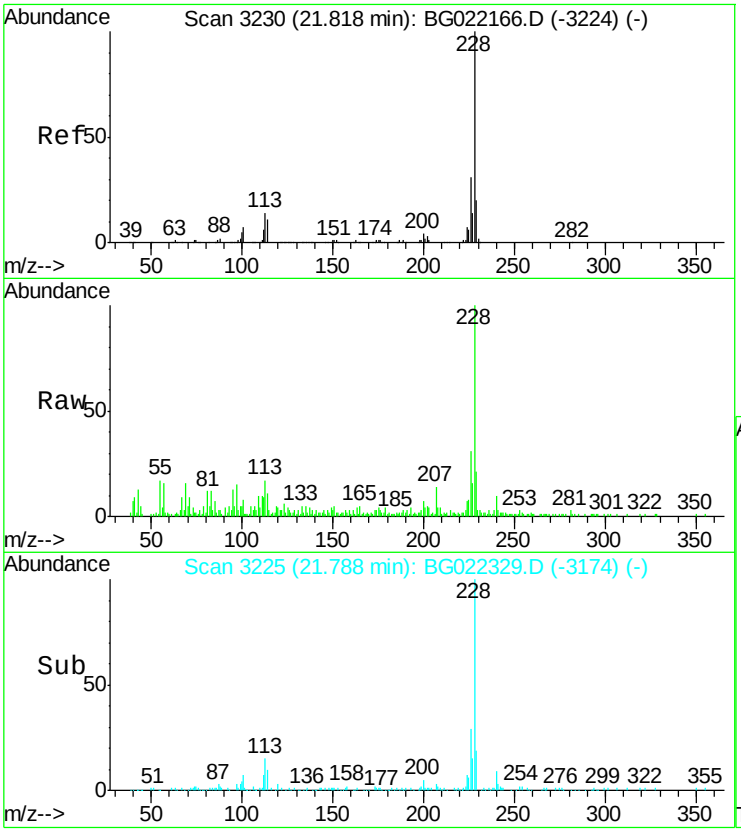




#80
Benzo(a)anthracene
Concen: 5.62 ng
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:228 Resp: 47813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 22.6 | 34.0 |
| 229 | 23.1 | 16.1 | 24.1 |



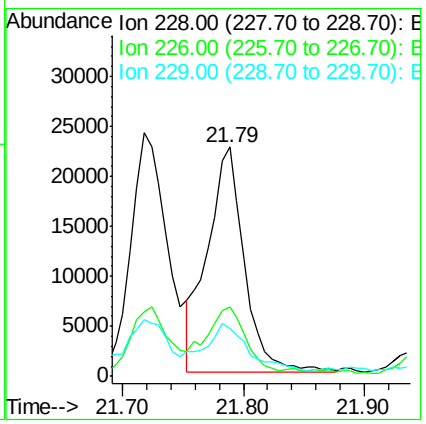


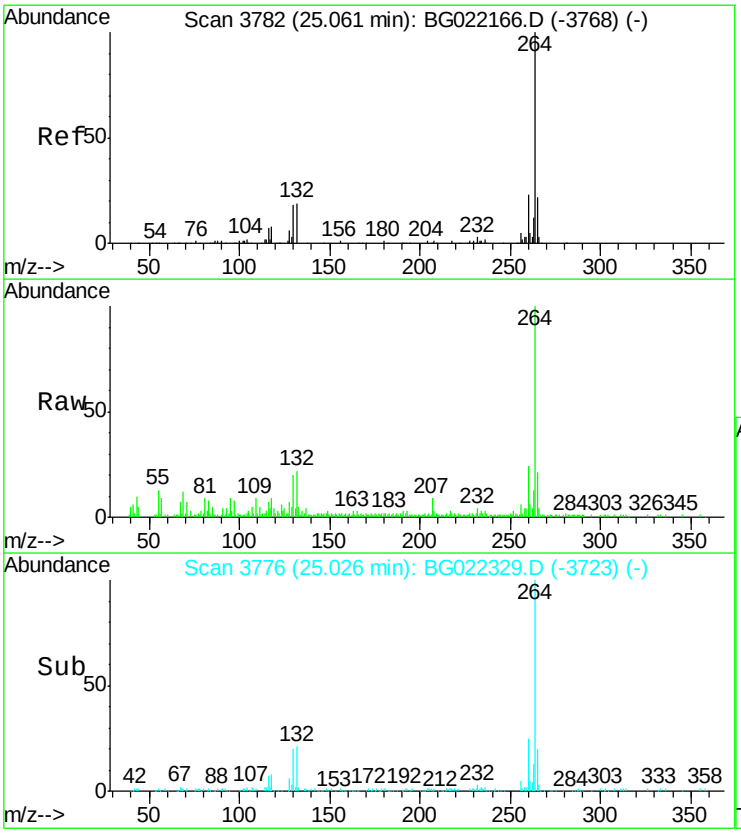

#82
Chrysene
Concen: 5.78 ng
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:228 Resp: 47928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 25.4 | 38.0 |
| 229 | 21.1 | 15.9 | 23.9 |

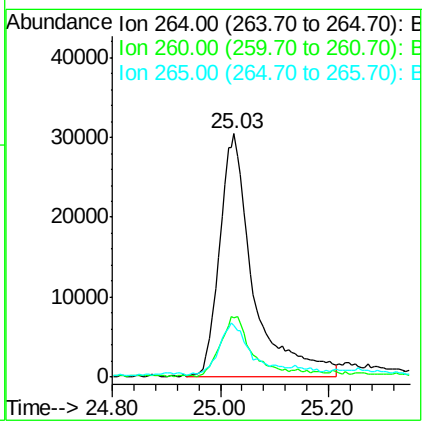


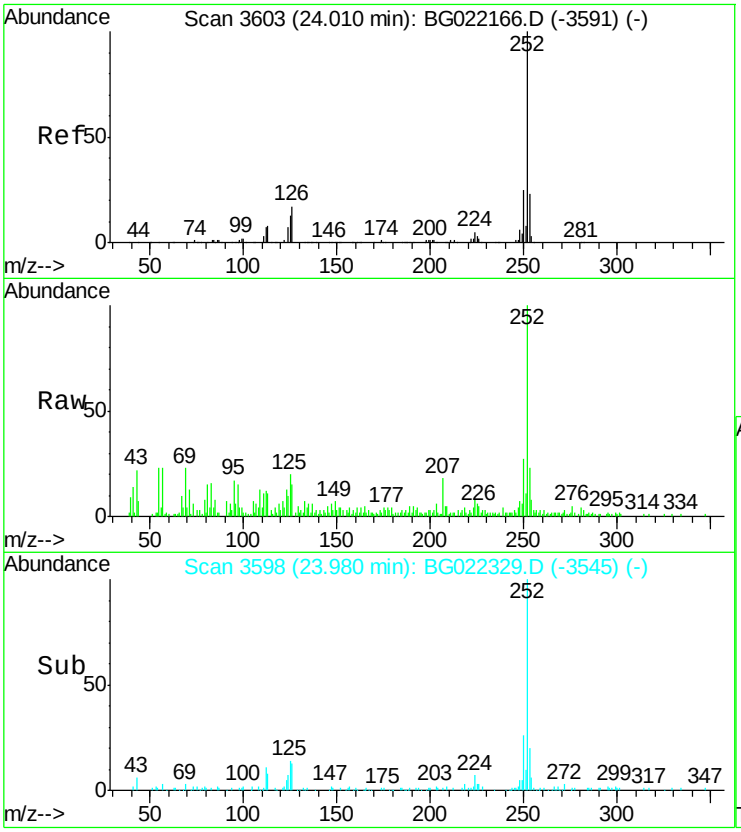




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3776
Delta R.T. 0.01 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:264 Resp: 132885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 20.2 | 30.4 |
| 265 | 21.3 | 17.8 | 26.8 |



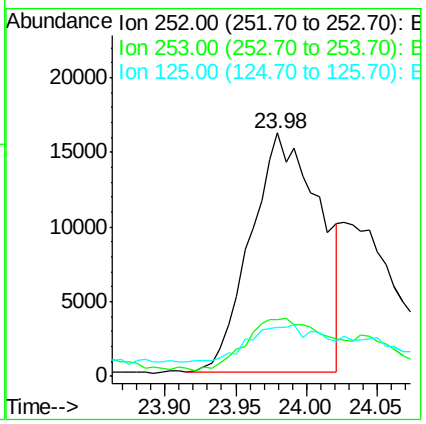


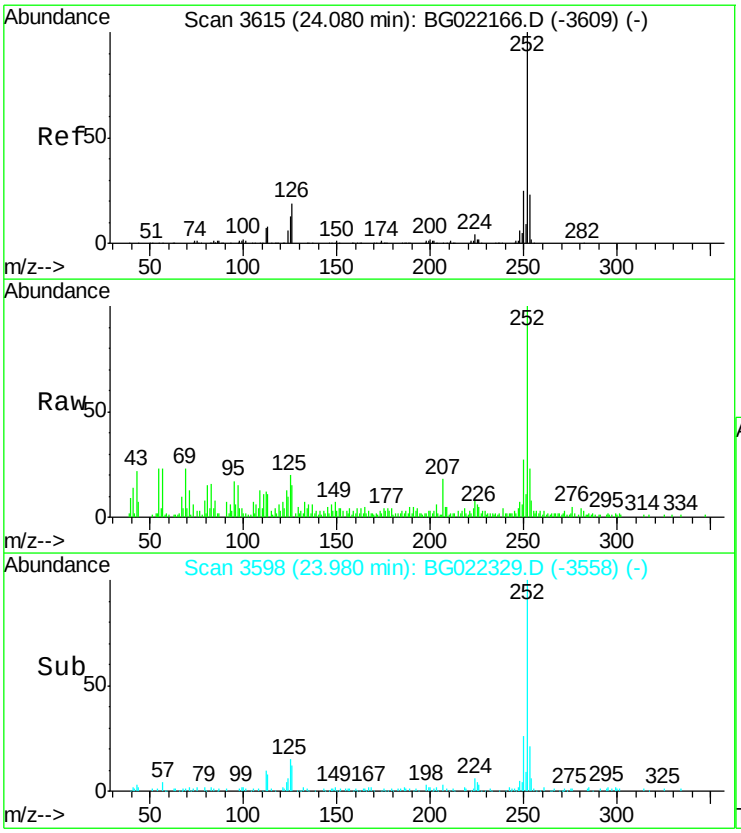

#87
Benzo(b)fluoranthene
Concen: 7.07 ng
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:252 Resp: 54757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.5 | 26.3 |
| 125 | 20.4 | 8.6 | 13.0# |

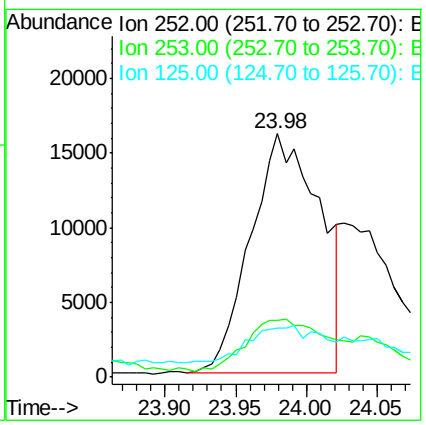


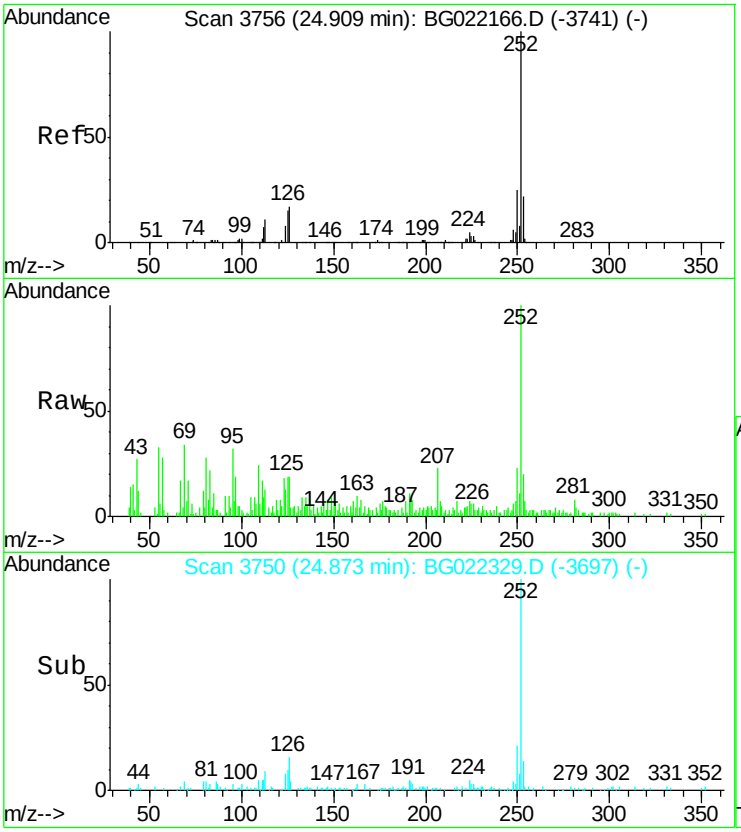




#88
Benzo(k)fluoranthene
Concen: 7.18 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.06 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:252 Resp: 54757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.8 | 26.8 |
| 125 | 20.4 | 8.3 | 12.5# |






#89
Benzo(a)pyrene
Concen: 4.86 ng
RT: 24.87 min Scan# 3750
Delta R.T. 0.01 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B4(0-6)C

Tgt Ion:252 Resp: 36012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.2 | 17.1 | 25.7 |
| 125 | 19.4 | 9.6 | 14.4# |