Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
Data File : BG038684.D
Acq On : 18 Dec 2018 5:34
Operator : JU/SJ
Sample : J6403-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-3-A

Quant Time: Dec 18 07:36:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 22056 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 87533 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 58703 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 153418 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 152084 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.03 | 264 | 169530 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 171651 | 138.03 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 206156 | 120.76 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 170245 | 99.36 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 125177 | 154.72 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 402473 | 94.06 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 766766 | 109.72 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 10.93 | 128 | 103828 | 24.074 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 48054 | 15.618 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 62737 | 21.013 | ng | 98 |
| 52) Acenaphthene | 14.76 | 154 | 30520 | 8.981 | ng | 92 |
| 58) Fluorene | 15.74 | 166 | 9278 | 2.150 | ng | 96 |
| 71) Phenanthrene | 17.48 | 178 | 17590 | 2.211 | ng | 98 |

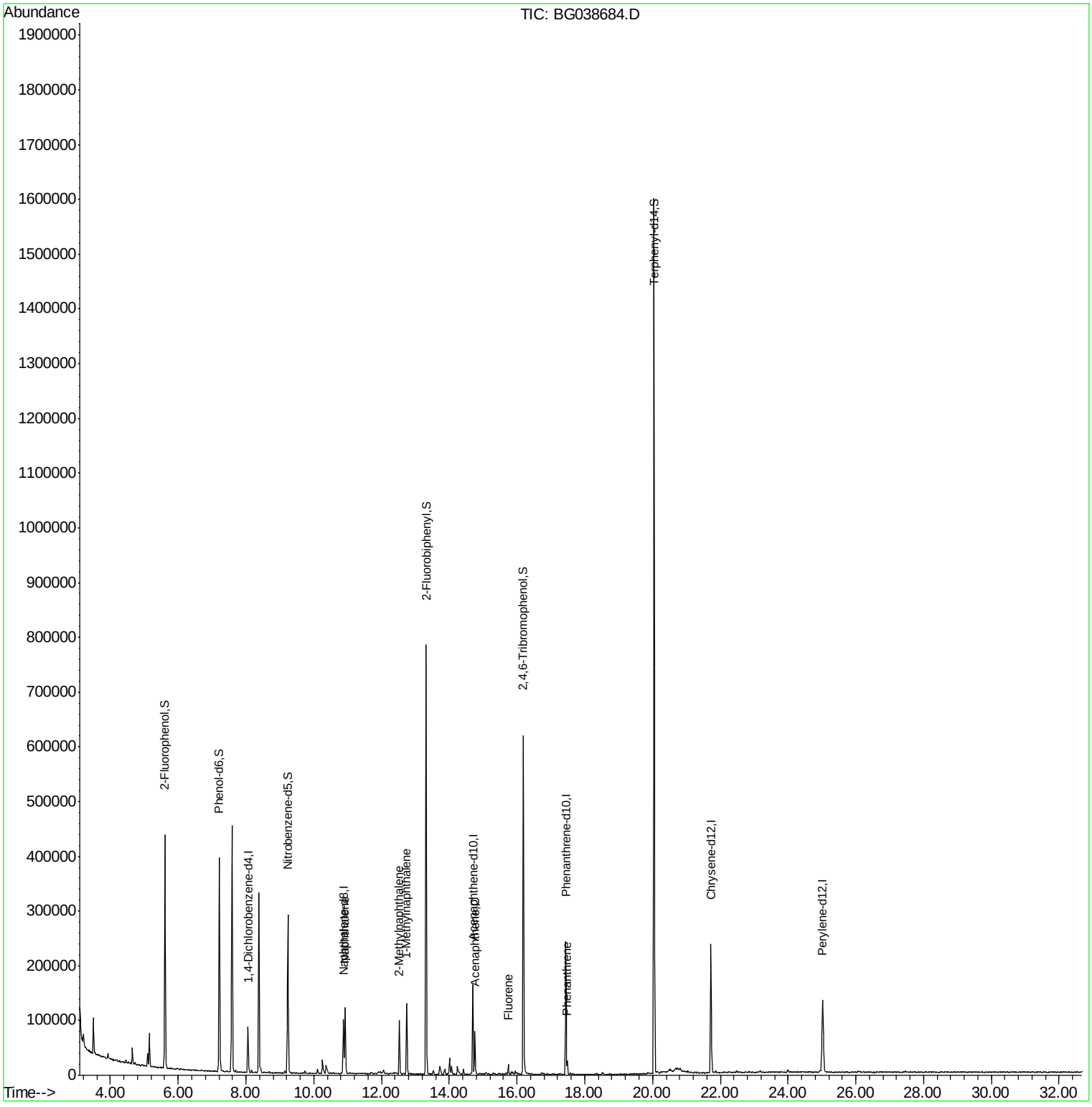
(#) = qualifier out of range (m) = manual integration (+) = signals summed

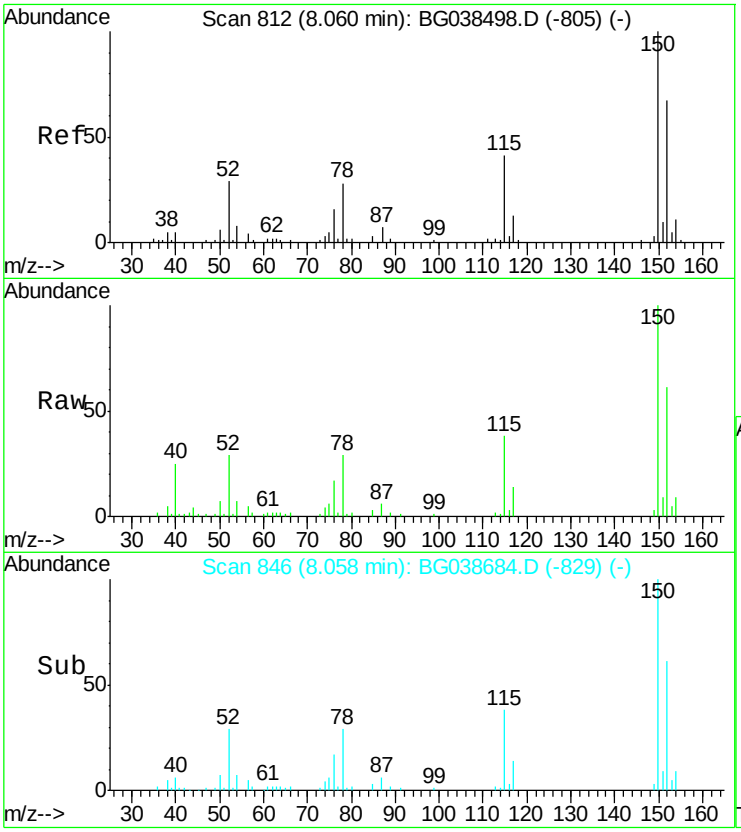
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
Data File : BG038684.D
Acq On : 18 Dec 2018 5:34
Operator : JU/SJ
Sample : J6403-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Quant Time: Dec 18 07:36:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



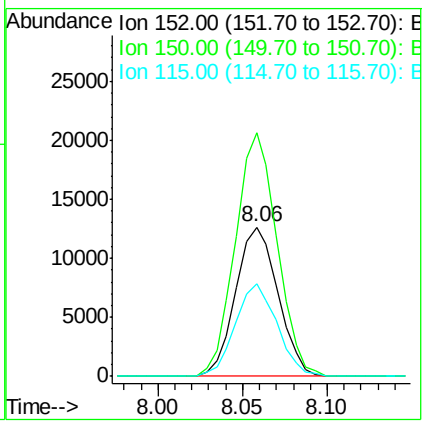


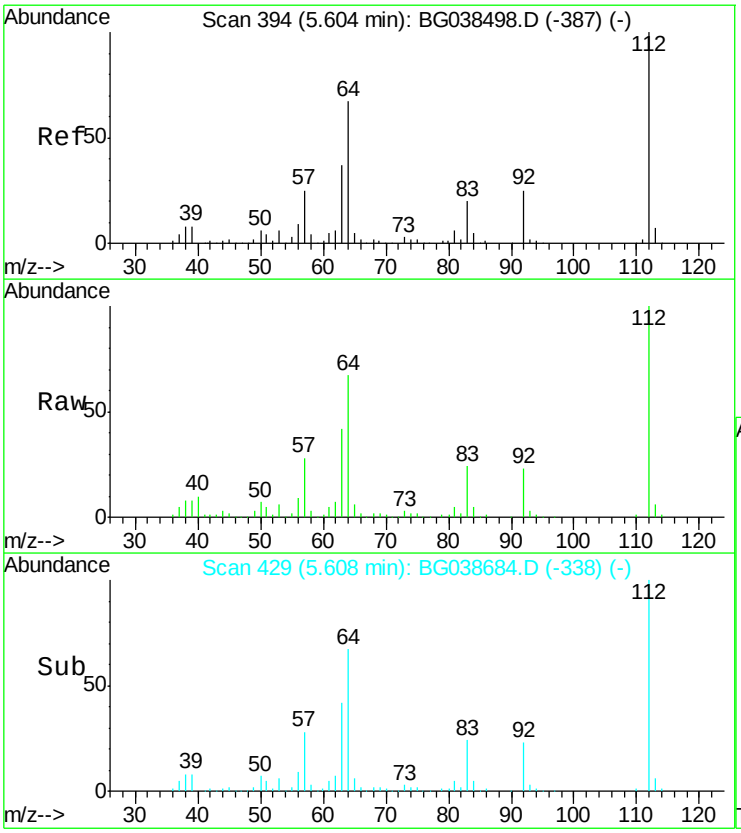

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:152 Resp: 22056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.9 | 119.5 | 179.3 |
| 115 | 62.2 | 49.6 | 74.4 |

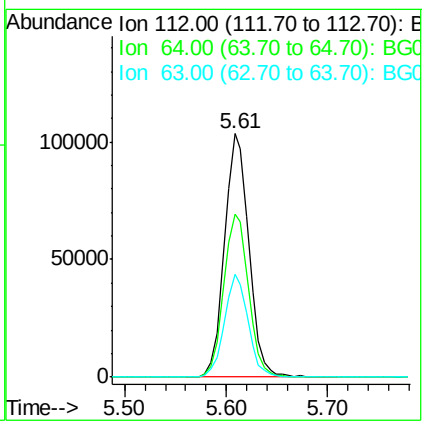


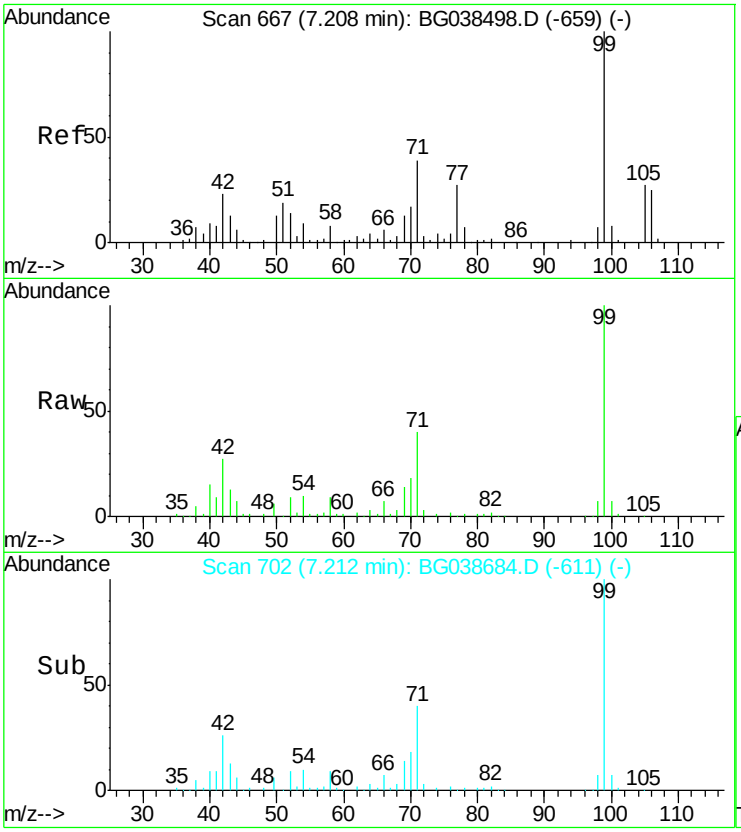




#5
2-Fluorophenol
Concen: 138.035 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:112 Resp: 171651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.1 | 53.4 | 80.2 |
| 63 | 42.1 | 29.3 | 43.9 |



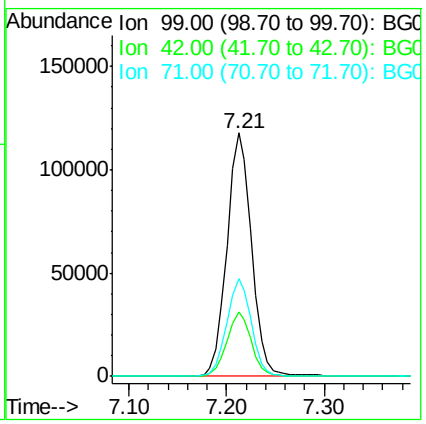


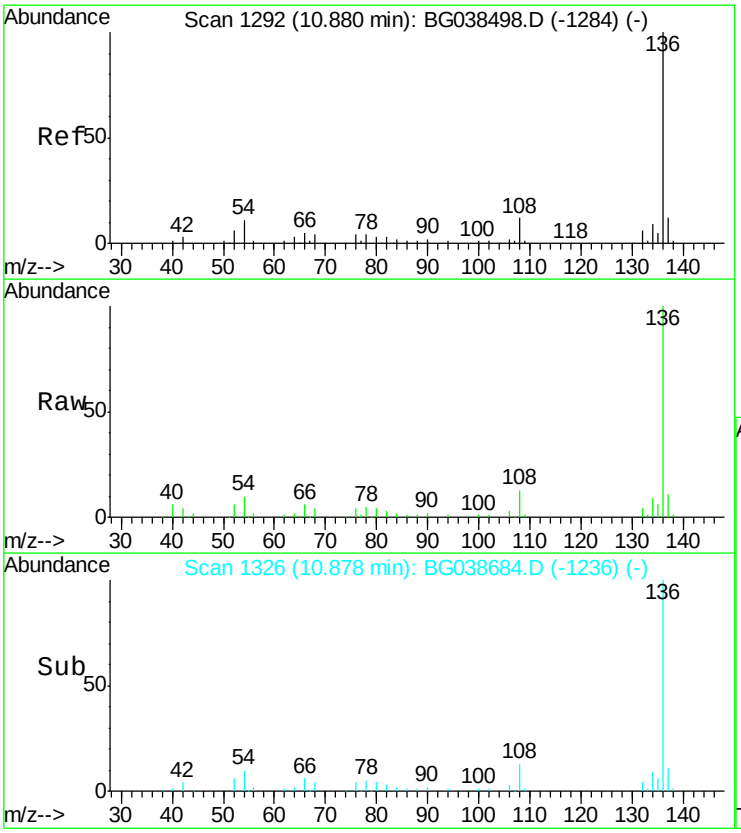

#7
Phenol-d6
Concen: 120.761 ng
RT: 7.21 min Scan# 702
Delta R.T. 0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion: 99 Resp: 206156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.5 | 18.5 | 27.7 |
| 71 | 40.2 | 31.1 | 46.7 |

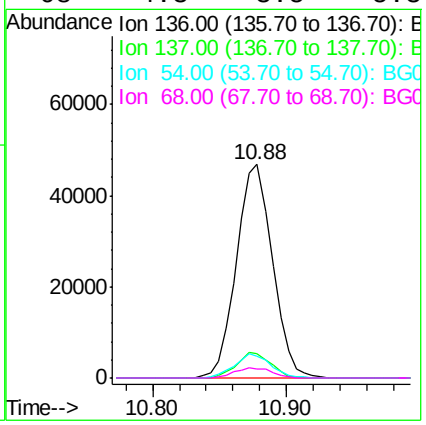


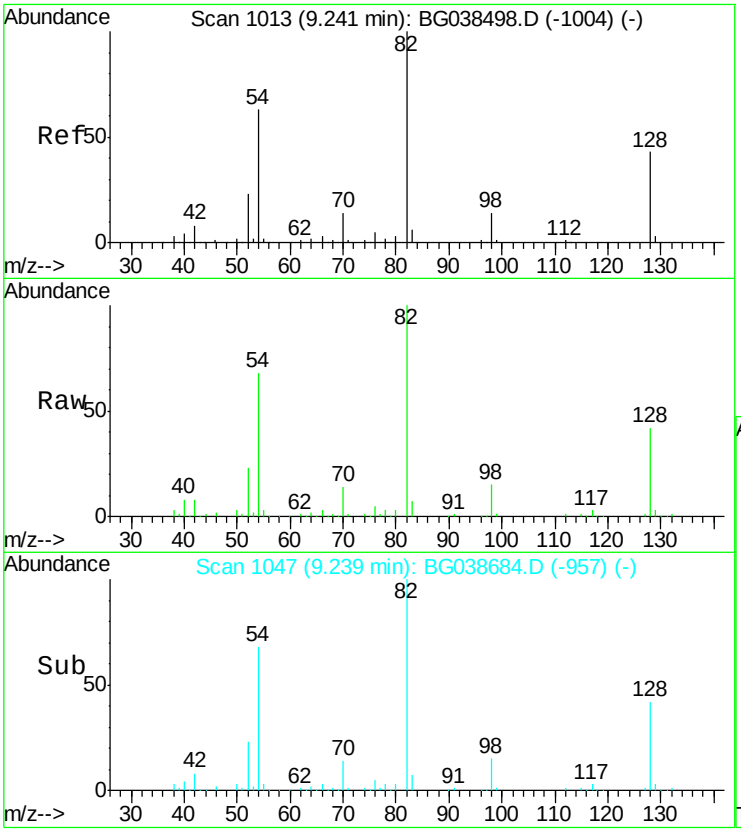




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:136 Resp: 87533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.3 | 13.9 |
| 54 | 10.1 | 8.5 | 12.7 |
| 68 | 4.3 | 3.5 | 5.3 |



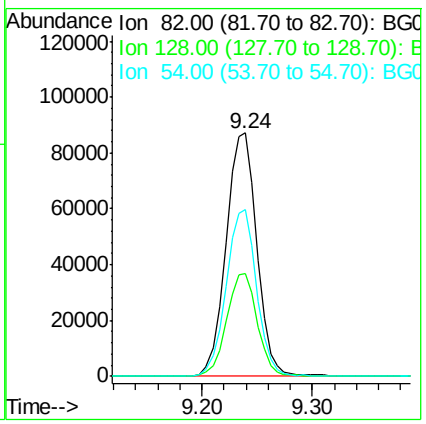


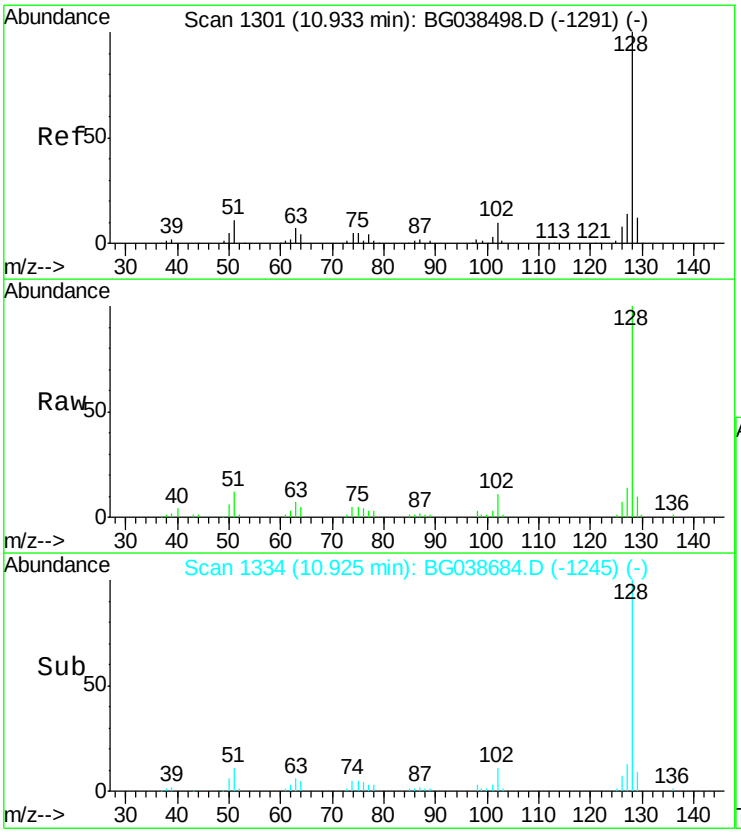

#23
Nitrobenzene-d5
Concen: 99.361 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion: 82 Resp: 170245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 34.6 | 52.0 |
| 54 | 68.5 | 50.6 | 76.0 |

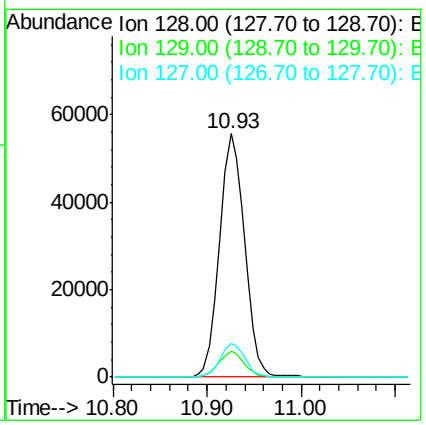


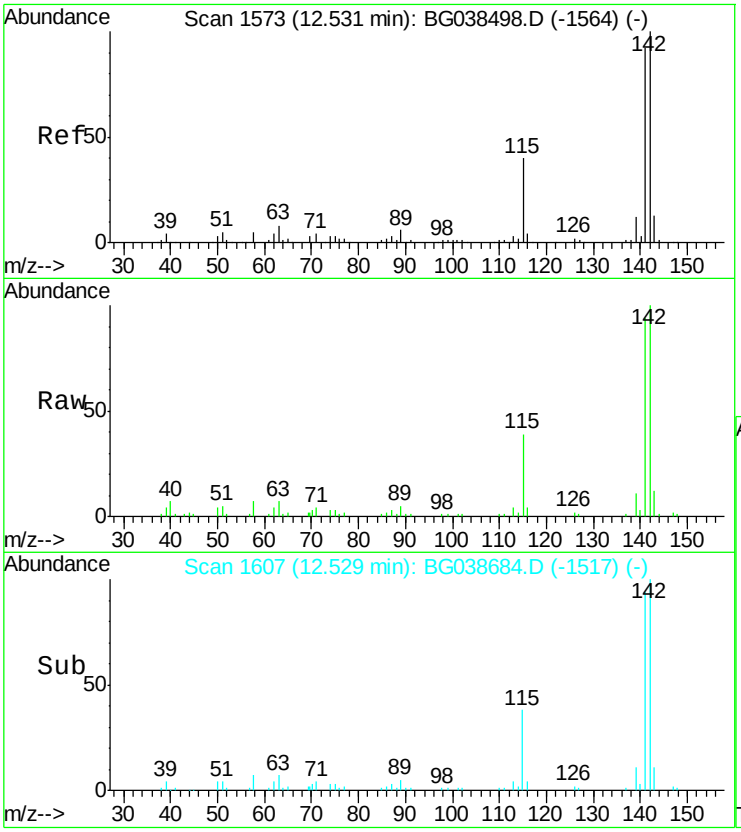




#31
Naphthalene
Concen: 24.074 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:128 Resp: 103828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.4 | 9.5 | 14.3 |
| 127 | 13.8 | 10.9 | 16.3 |



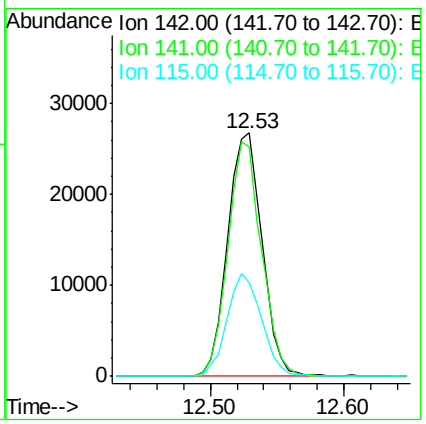


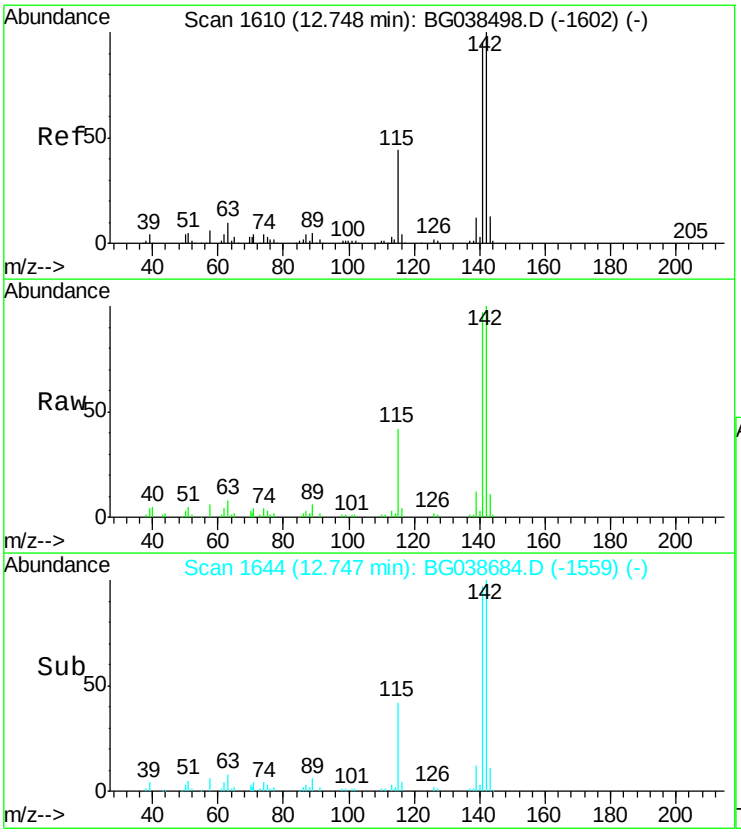

#37
2-Methylnaphthalene
Concen: 15.618 ng
RT: 12.53 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:142 Resp: 48054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.1 | 73.5 | 110.3 |
| 115 | 38.7 | 31.7 | 47.5 |

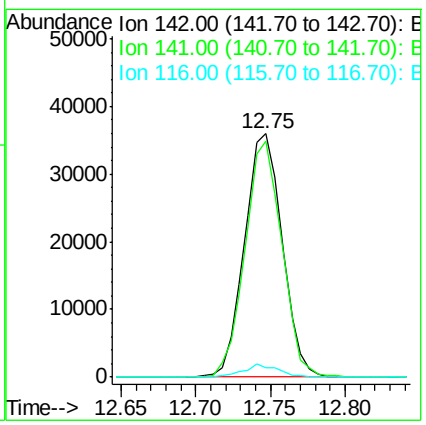


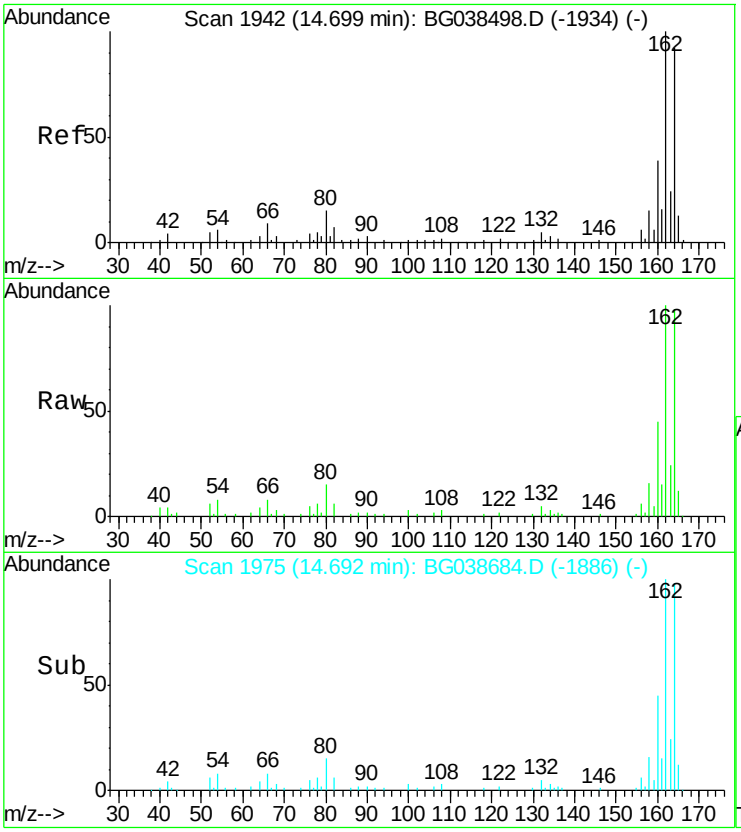




#38
1-Methylnaphthalene
Concen: 21.013 ng
RT: 12.75 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:142 Resp: 62737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 97.0 | 75.8 | 113.8 |
| 116 | 3.7 | 3.6 | 5.4 |



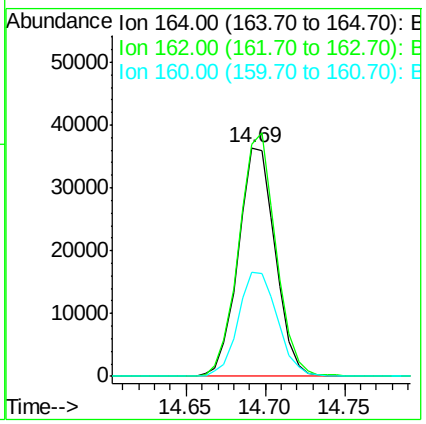


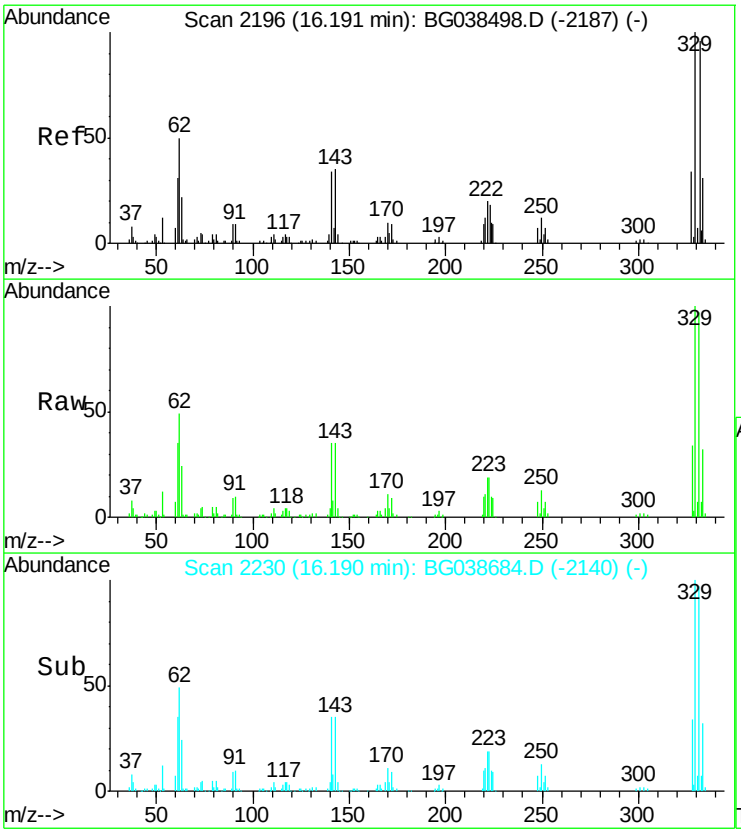

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:164 Resp: 58703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 86.6 | 130.0 |
| 160 | 45.4 | 34.2 | 51.2 |

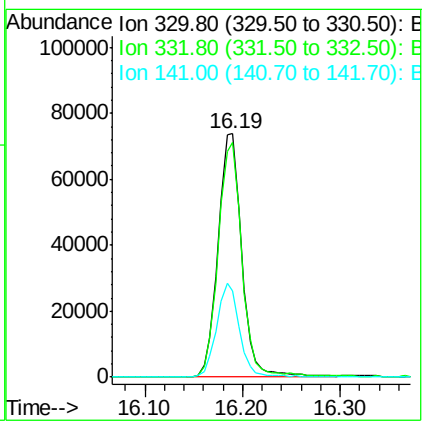


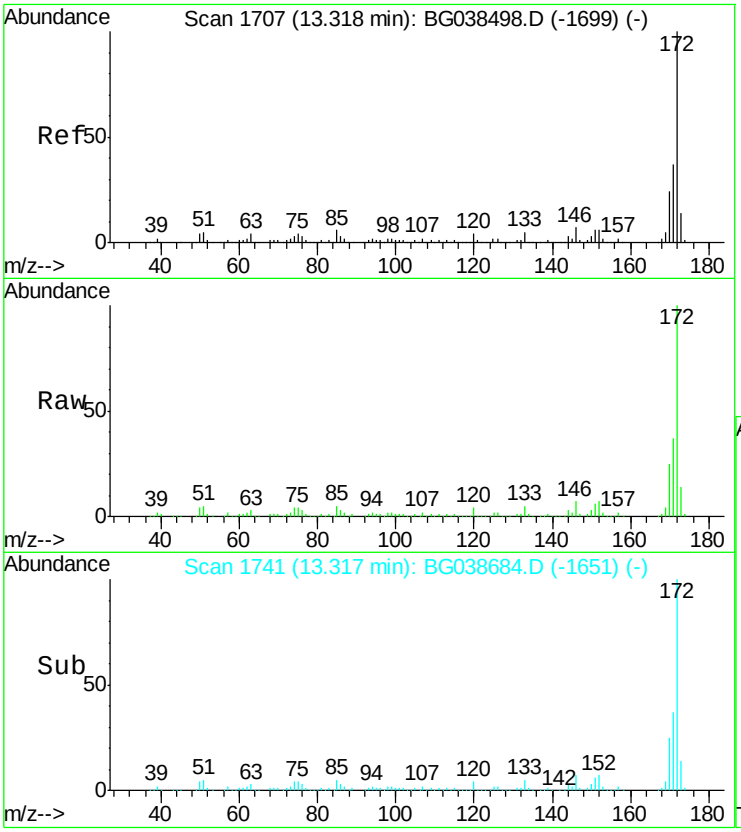




#42
2,4,6-Tribromophenol
Concen: 154.724 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:330 Resp: 125177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 36.8 | 28.8 | 43.2 |



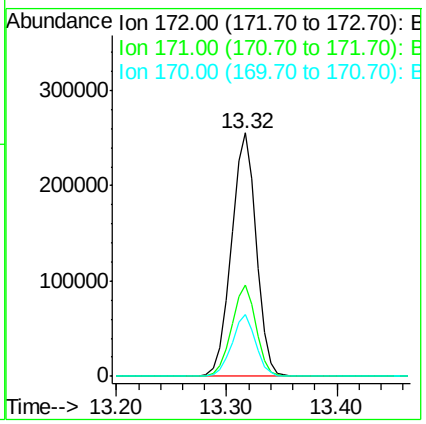


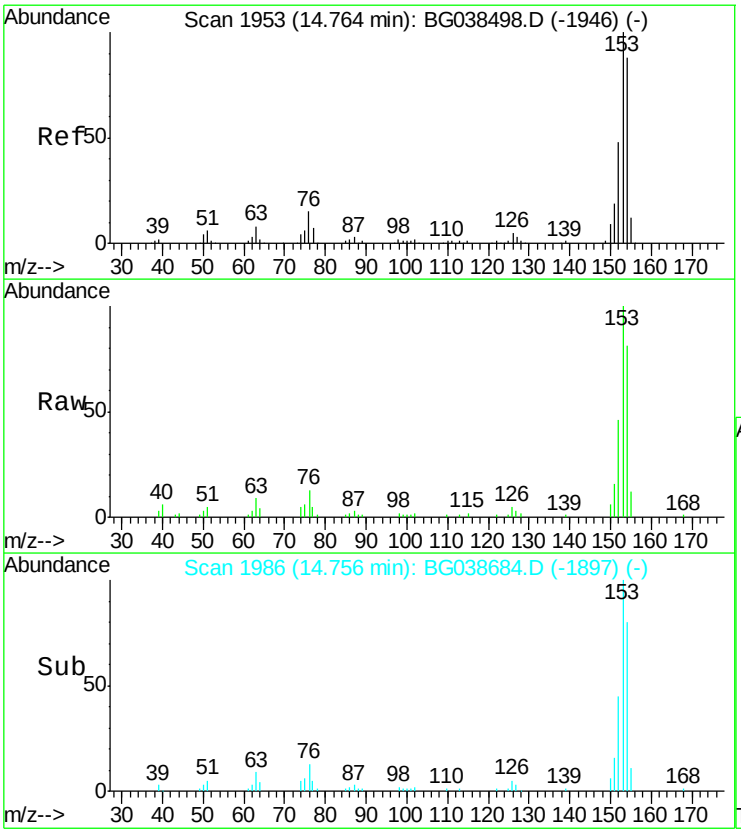

#45
2-Fluorobiphenyl
Concen: 94.055 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:172 Resp: 402473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.3 | 29.8 | 44.6 |
| 170 | 25.3 | 19.5 | 29.3 |

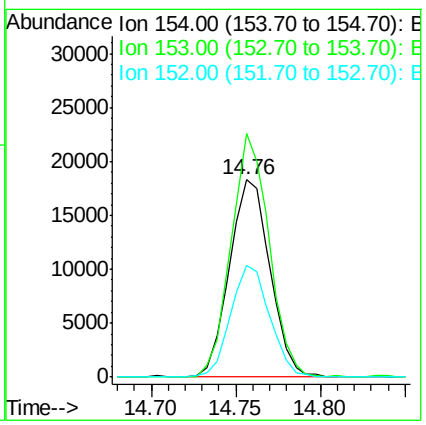


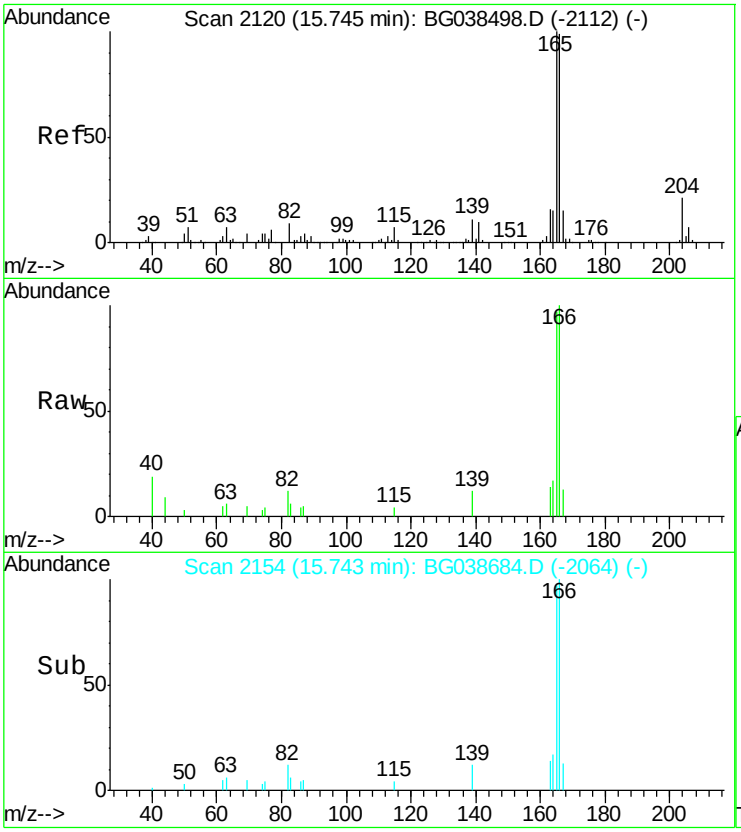




#52
Acenaphthene
Concen: 8.981 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:154 Resp: 30520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 123.6 | 90.6 | 136.0 |
| 152 | 56.7 | 43.5 | 65.3 |



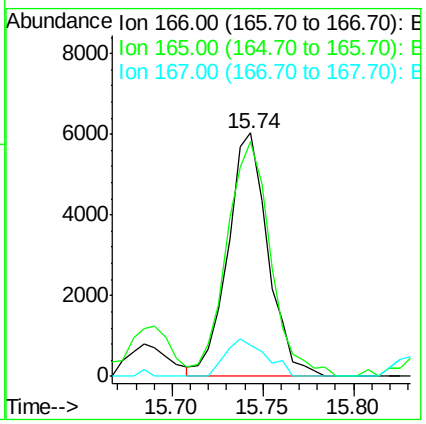


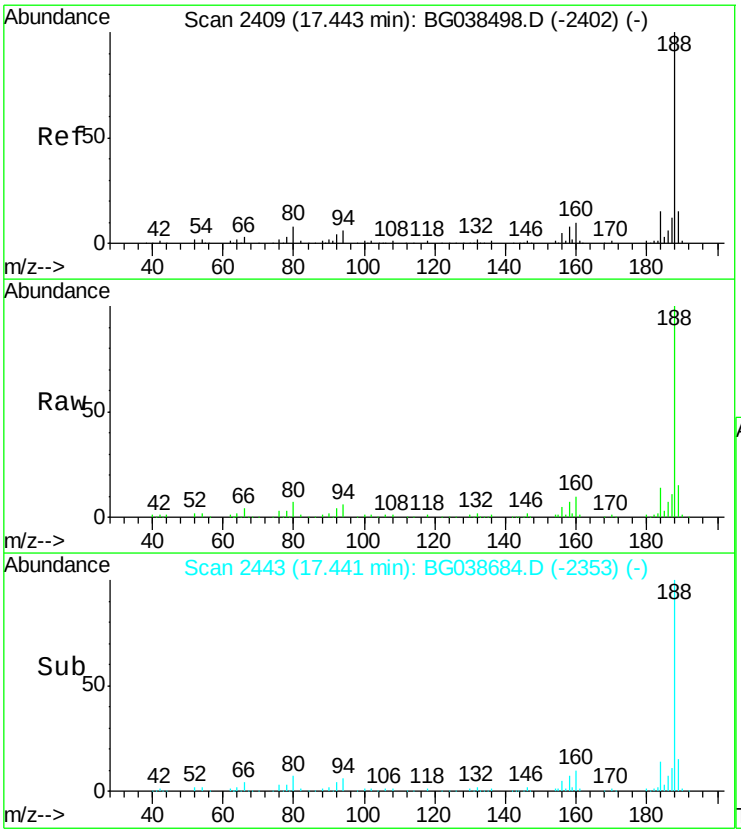

#58
Fluorene
Concen: 2.150 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:166 Resp: 9278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.5 | 80.6 | 120.8 |
| 167 | 12.6 | 12.0 | 18.0 |

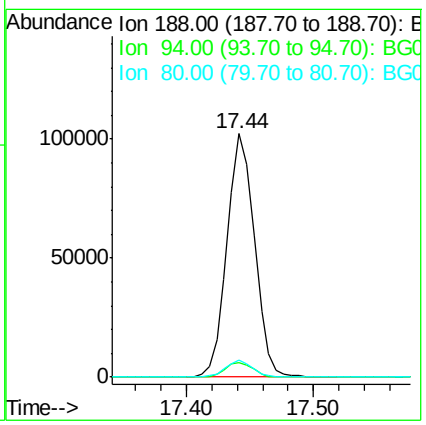


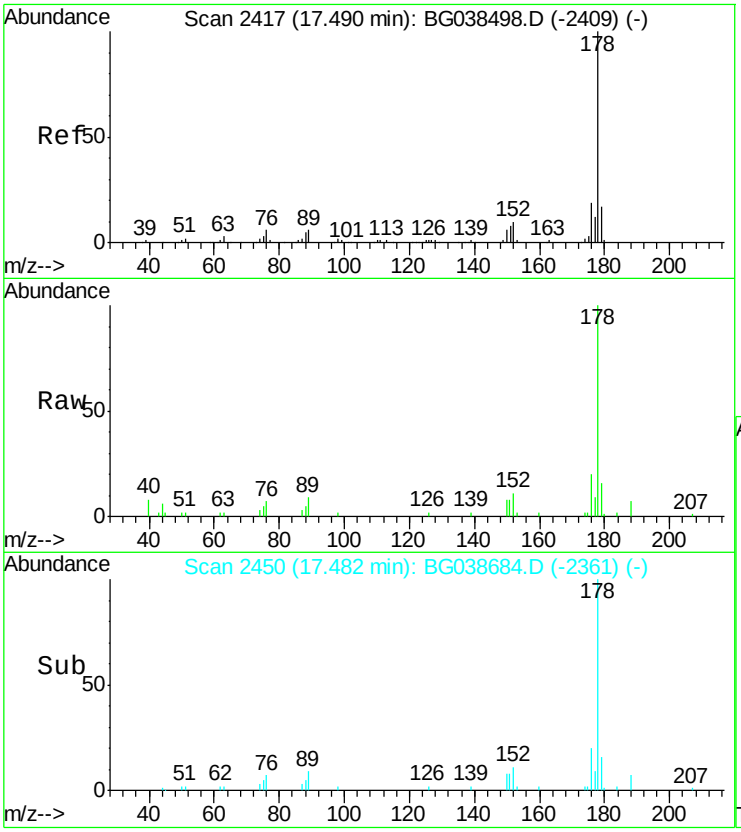




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:188 Resp: 153418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.2 | 5.1 | 7.7 |
| 80 | 6.9 | 6.1 | 9.1 |



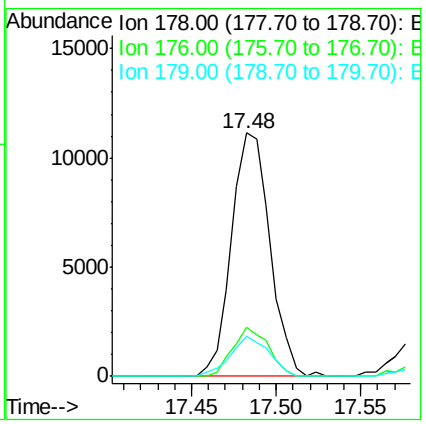


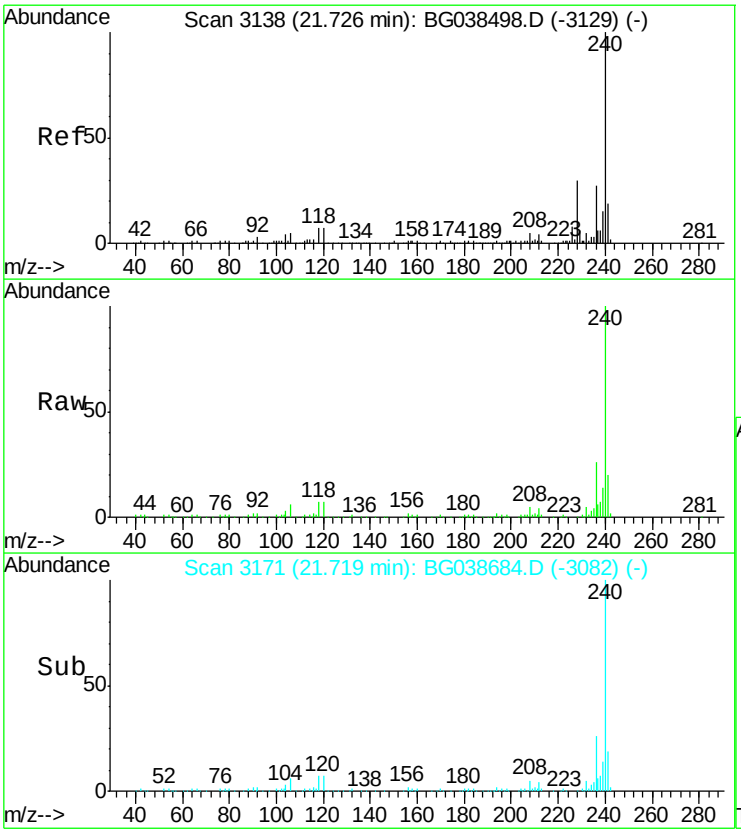

#71
Phenanthrene
Concen: 2.211 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:178 Resp: 17590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 15.1 | 22.7 |
| 179 | 16.3 | 13.2 | 19.8 |

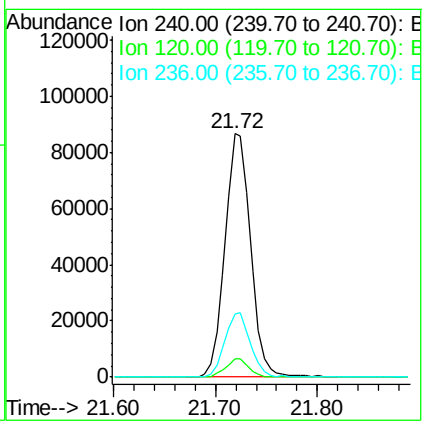


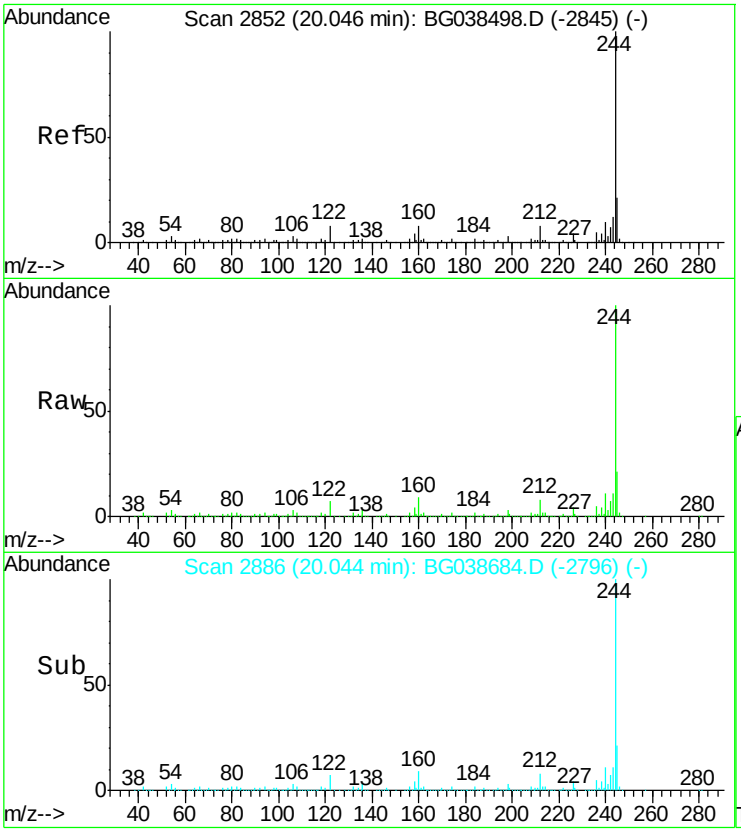




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:240 Resp: 152084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.4 | 5.3 | 7.9 |
| 236 | 26.1 | 21.4 | 32.2 |



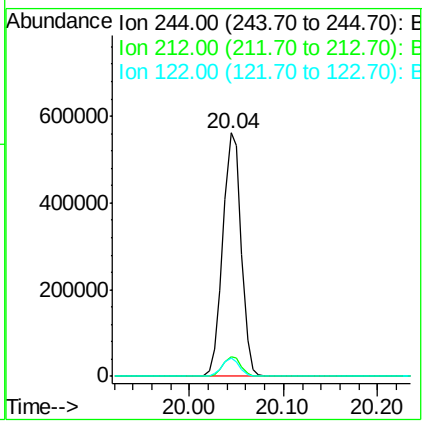


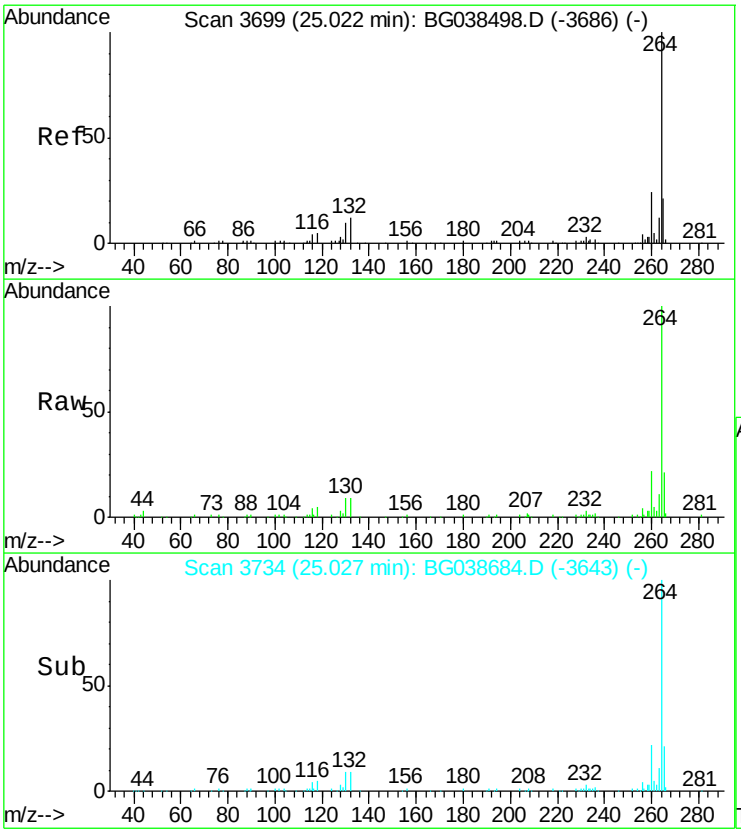

#79
Terphenyl-d14
Concen: 109.725 ng
RT: 20.04 min Scan# 2886
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

**Instrument :**
BNA_G
**ClientSampleId :**
TP-3-A

Tgt Ion:244 Resp: 766766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 6.2 | 9.2 |
| 122 | 7.5 | 6.3 | 9.5 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.03 min Scan# 3734
Delta R.T. 0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:264 Resp: 169530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 21.7 | 18.9 | 28.3 |
| 265 | 21.0 | 17.0 | 25.4 |