Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043242.D
Acq On : 16 Oct 2019 8:08
Operator : JU
Sample : K5326-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** IDW-SO-101019

Quant Time: Oct 16 09:11:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 55713 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.85 | 136 | 206417 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 145959 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 320157 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 342096 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.92 | 264 | 408642 | 20.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 411713 | 131.88 | ng | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 563286 | 125.30 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 366252 | 86.24 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 345947 | 137.84 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 972668 | 96.61 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1685094 | 104.96 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 10.91 | 128 | 164256 | 16.165 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 17447 | 2.251 | ng | 94 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 18011 | 2.456 | ng | 94 |
| 71) Phenanthrene | 17.46 | 178 | 42885 | 2.744 | ng | 95 |
| 73) Carbazole | 17.83 | 167 | 120577 | 8.333 | ng | 95 |

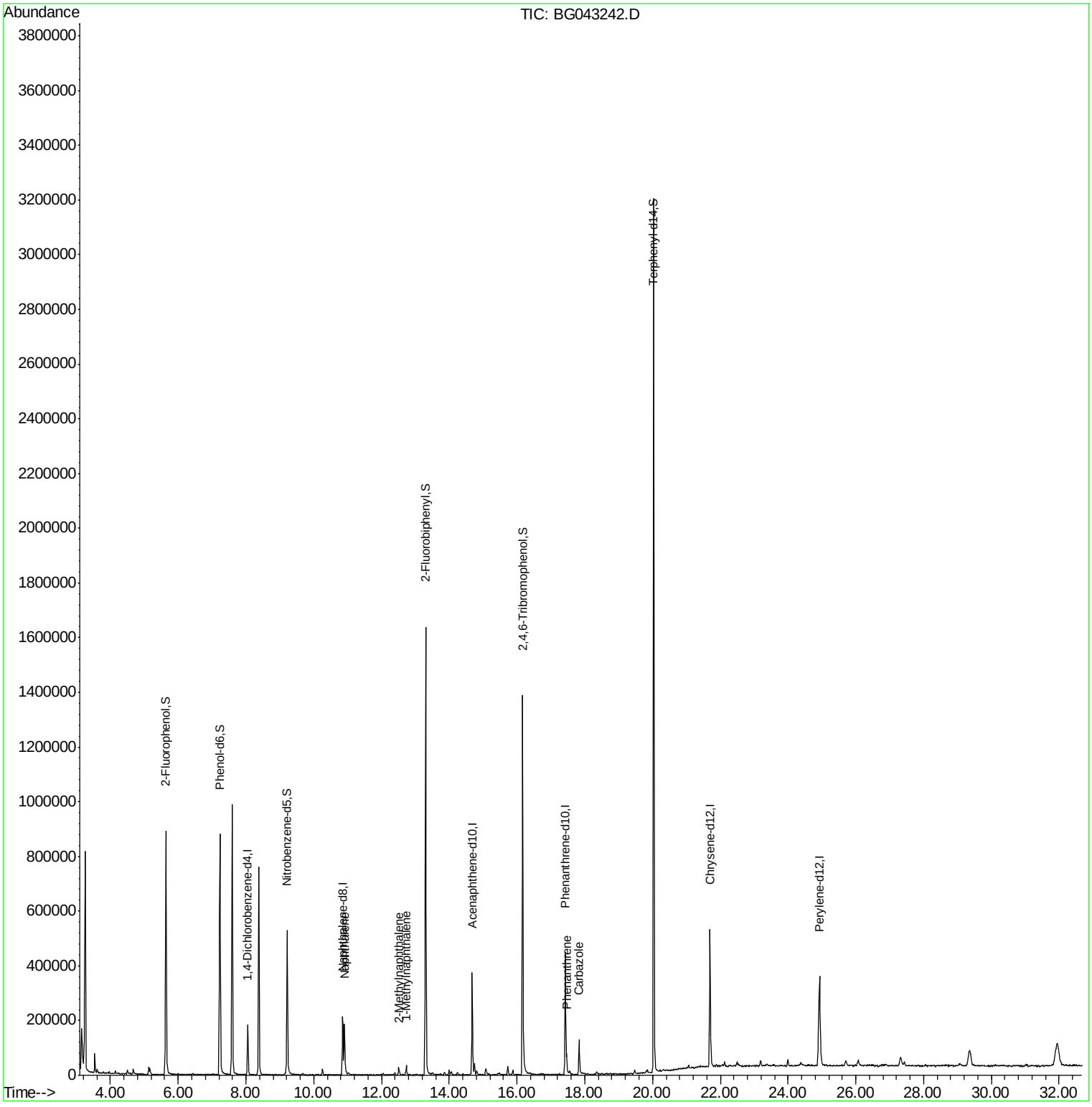
(#) = qualifier out of range (m) = manual integration (+) = signals summed

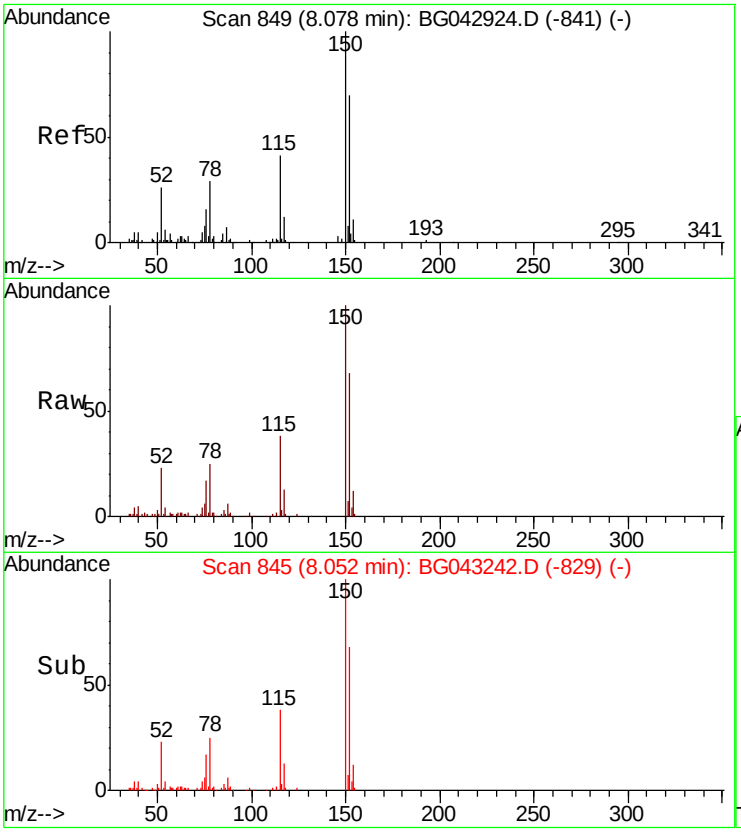
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043242.D
Acq On : 16 Oct 2019 8:08
Operator : JU
Sample : K5326-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Quant Time: Oct 16 09:11:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 2019
Response via : Initial Calibration



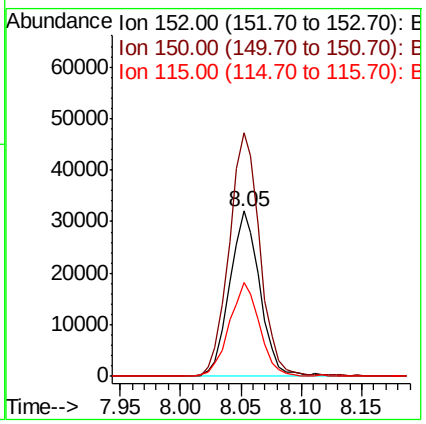


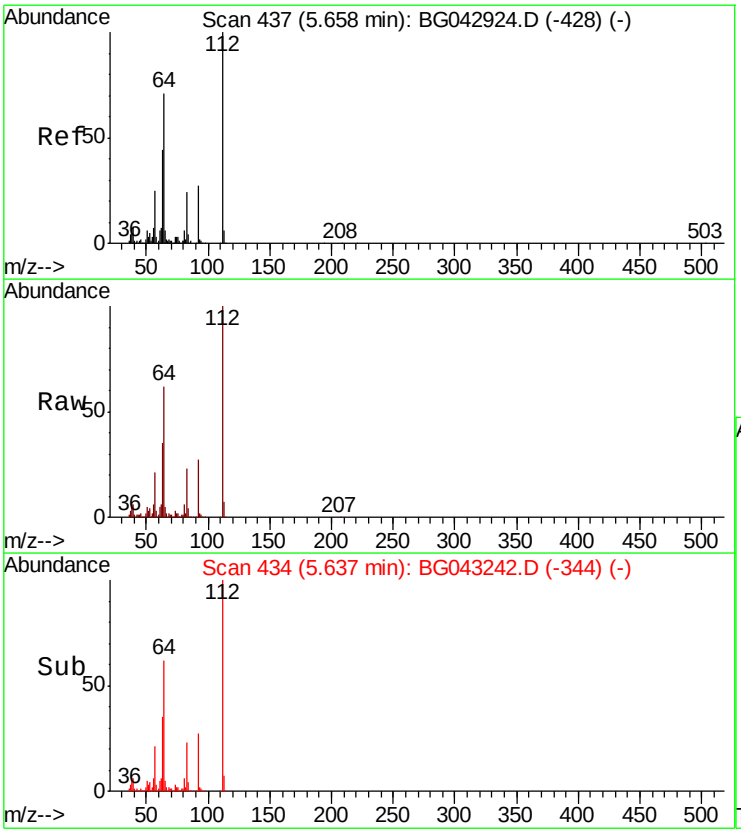

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:152 Resp: 55713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 147.3 | 115.0 | 172.4 |
| 115 | 56.5 | 47.0 | 70.6 |

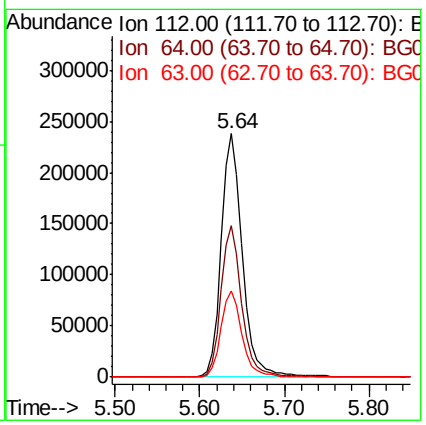


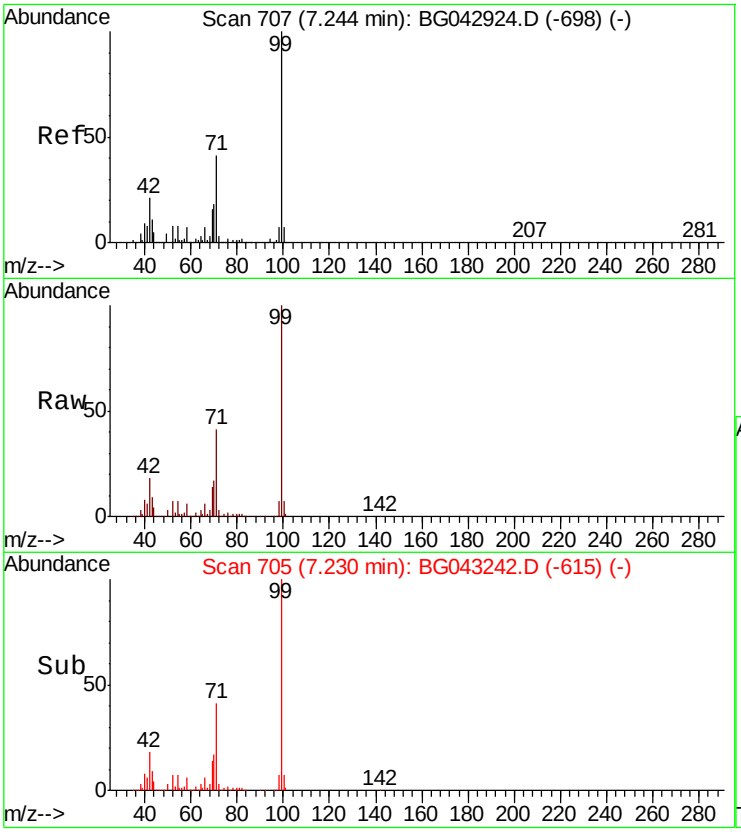




#5
2-Fluorophenol
Concen: 131.882 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:112 Resp: 411713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 56.6 | 84.8 |
| 63 | 35.2 | 35.1 | 52.7 |



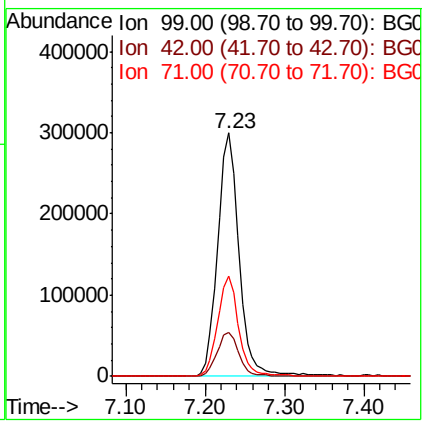


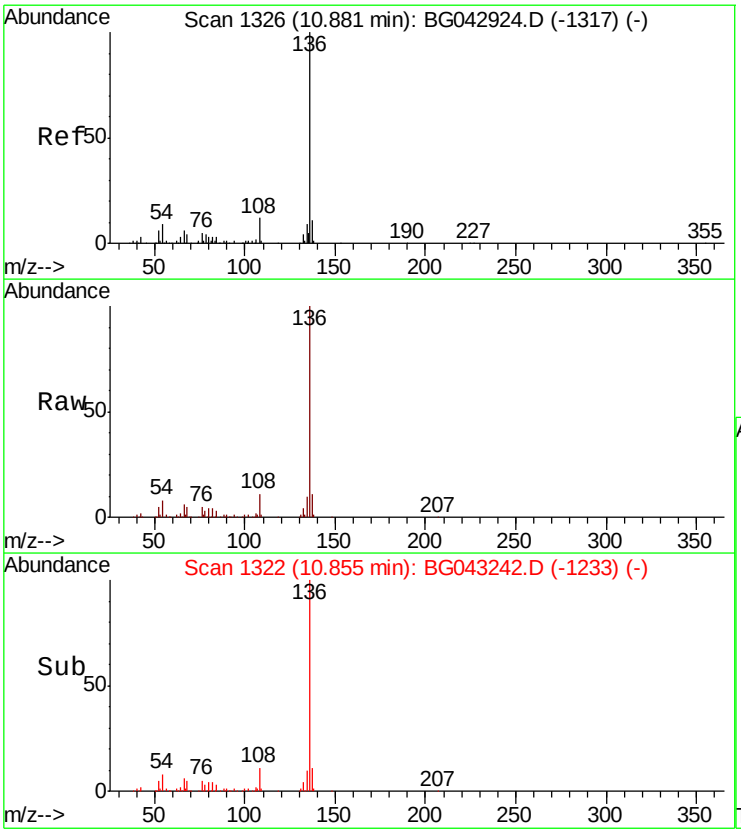

#7
Phenol-d6
Concen: 125.296 ng
RT: 7.23 min Scan# 705
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion: 99 Resp: 563286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 17.2 | 25.8 |
| 71 | 41.0 | 33.1 | 49.7 |

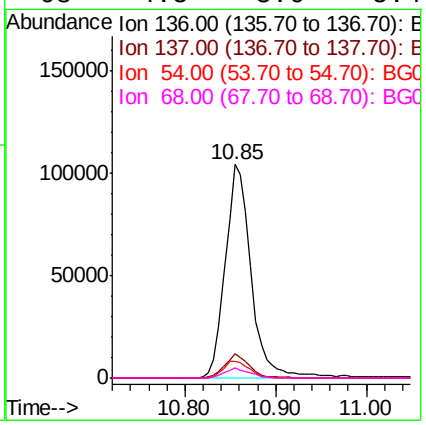


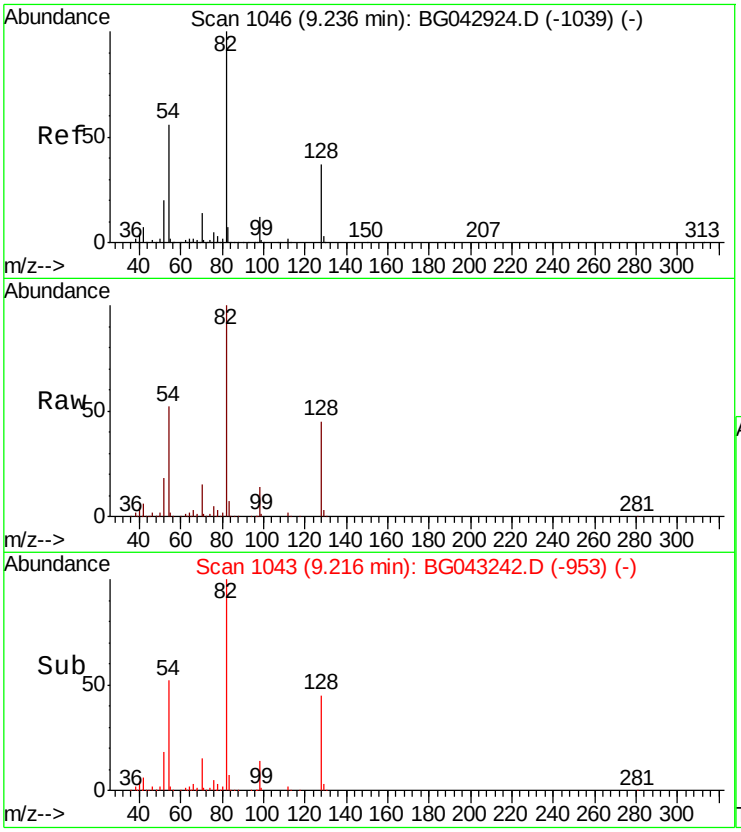




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:136 Resp: 206417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.5 | 12.7 |
| 54 | 7.7 | 7.4 | 11.2 |
| 68 | 4.5 | 3.6 | 5.4 |



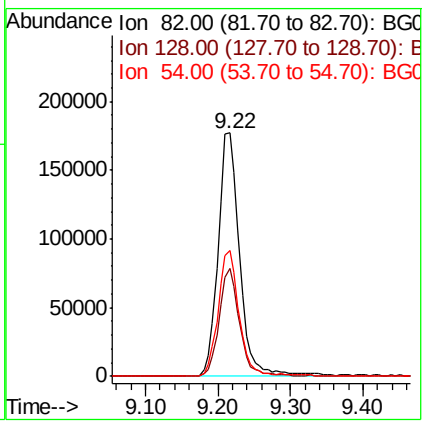


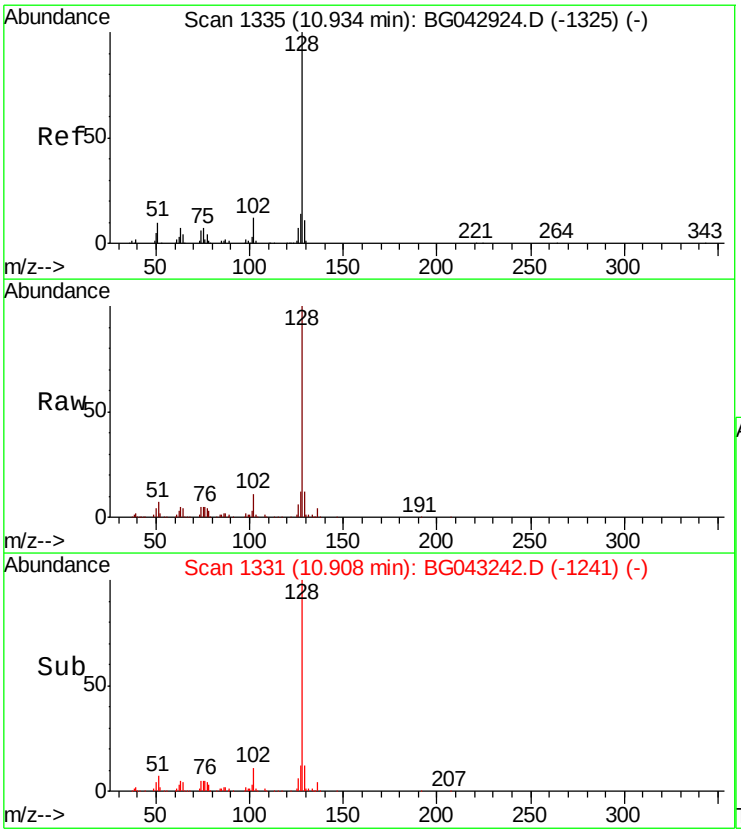

#23
Nitrobenzene-d5
Concen: 86.242 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion: 82 Resp: 366252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 29.5 | 44.3# |
| 54 | 51.7 | 44.6 | 67.0 |

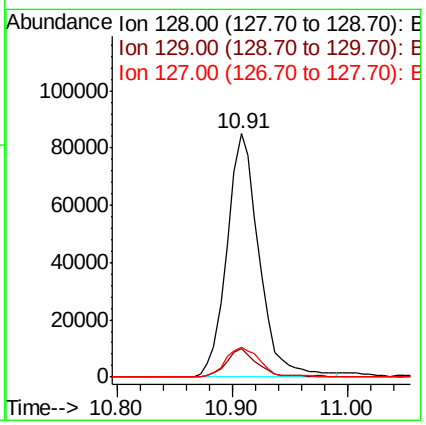


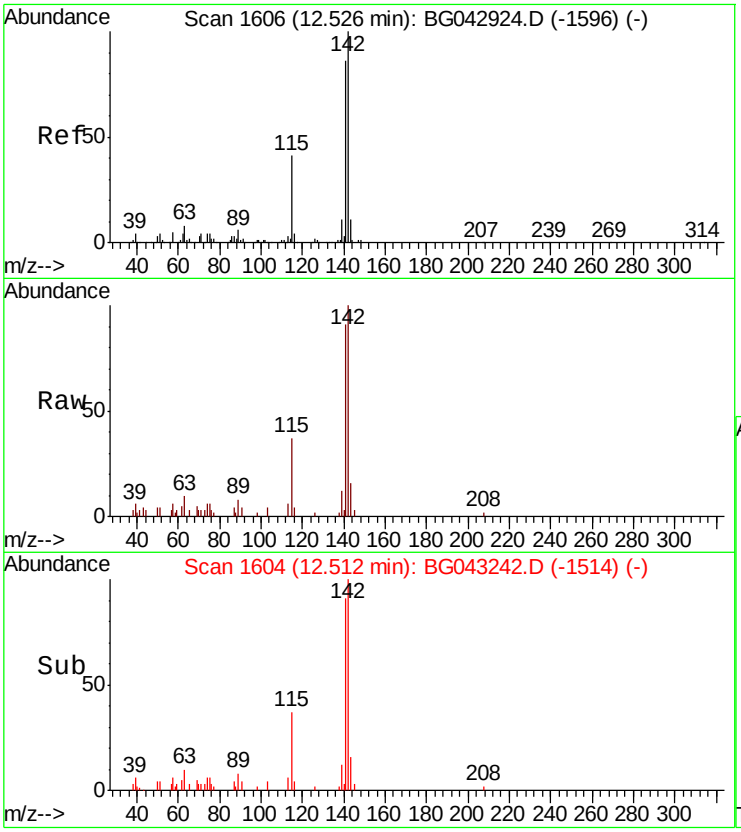




#31
Naphthalene
Concen: 16.165 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:128 Resp: 164256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.9 | 8.8 | 13.2 |
| 127 | 12.3 | 11.3 | 16.9 |



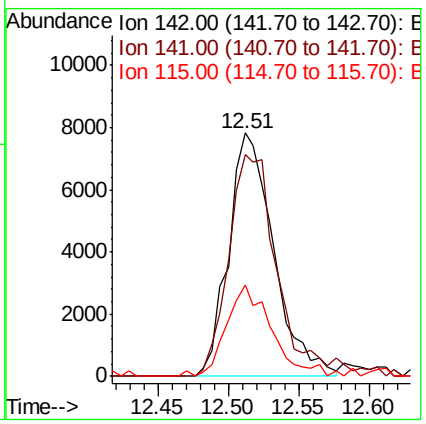


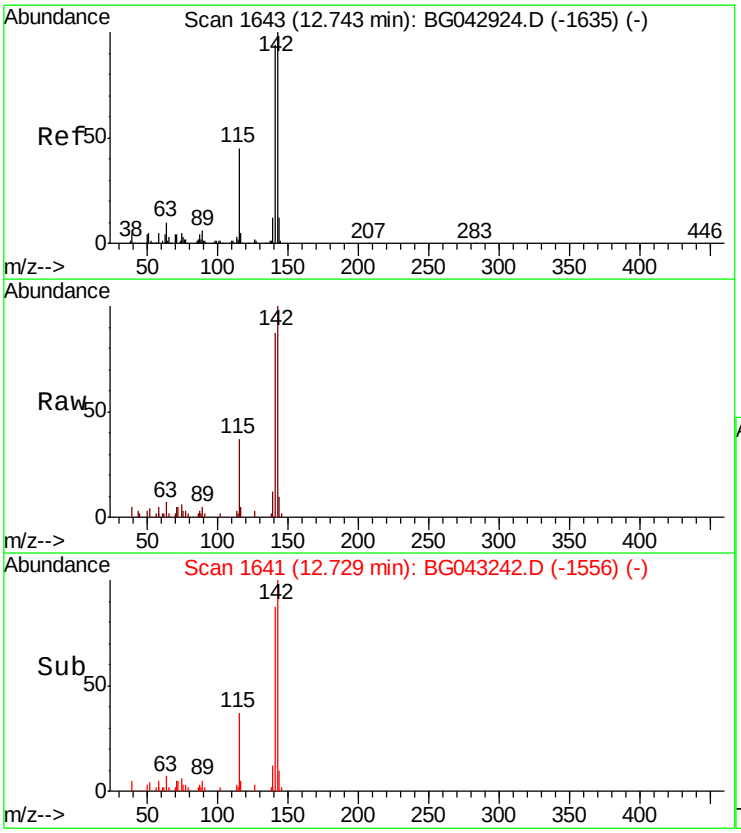

#37
2-Methylnaphthalene
Concen: 2.251 ng
RT: 12.51 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:142 Resp: 17447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 69.0 | 103.4 |
| 115 | 37.3 | 32.8 | 49.2 |

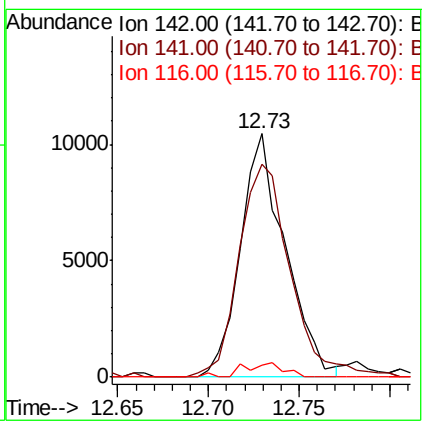


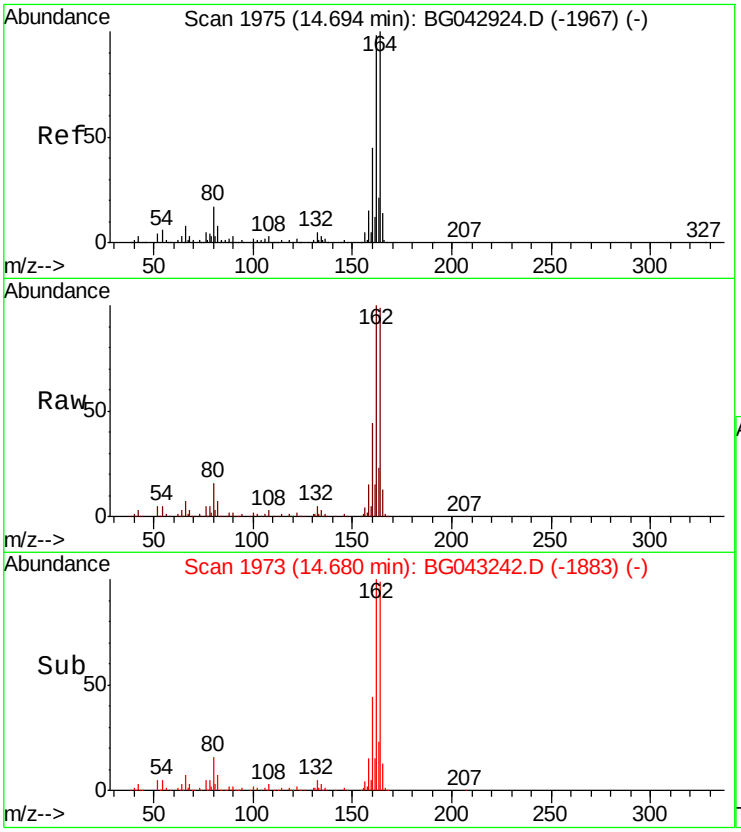




#38
1-Methylnaphthalene
Concen: 2.456 ng
RT: 12.73 min Scan# 1641
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:142 Resp: 18011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.2 | 74.9 | 112.3 |
| 116 | 5.1 | 3.7 | 5.5 |



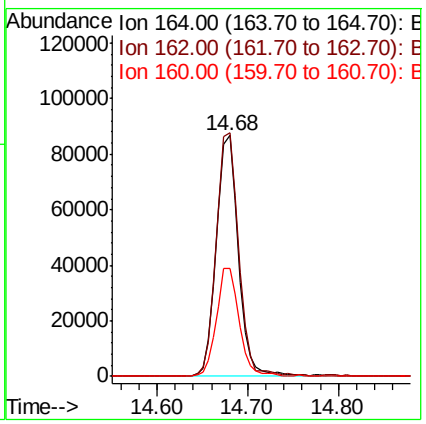


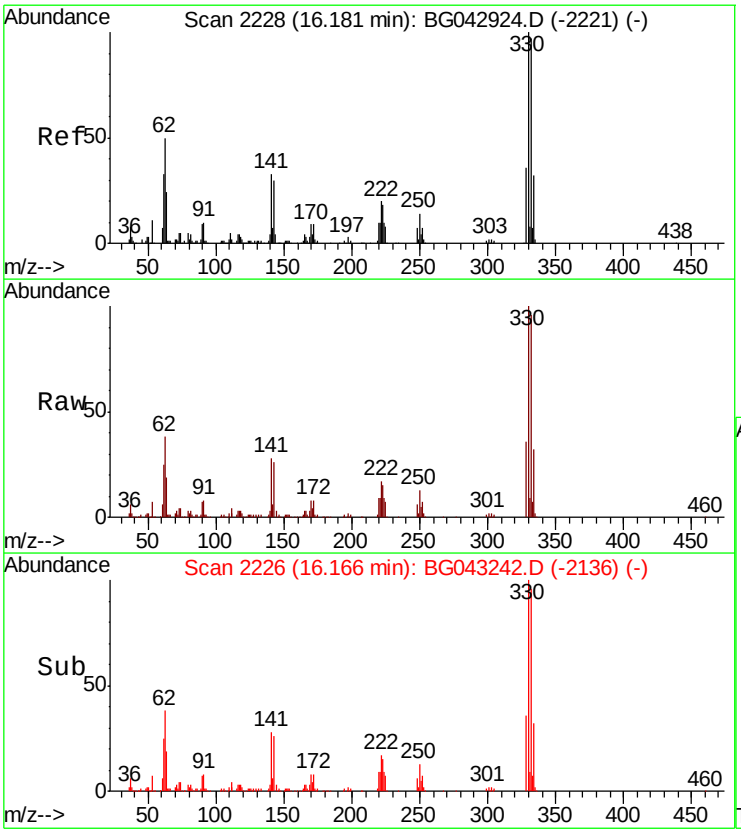

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:164 Resp: 145959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 78.5 | 117.7 |
| 160 | 44.7 | 35.9 | 53.9 |

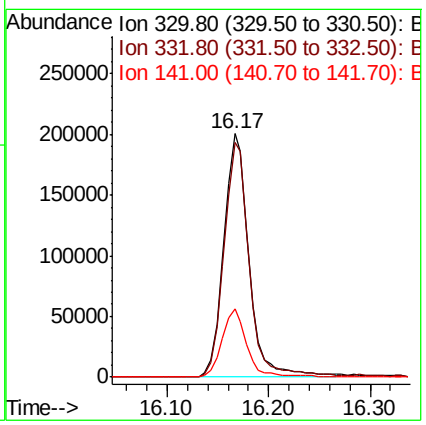


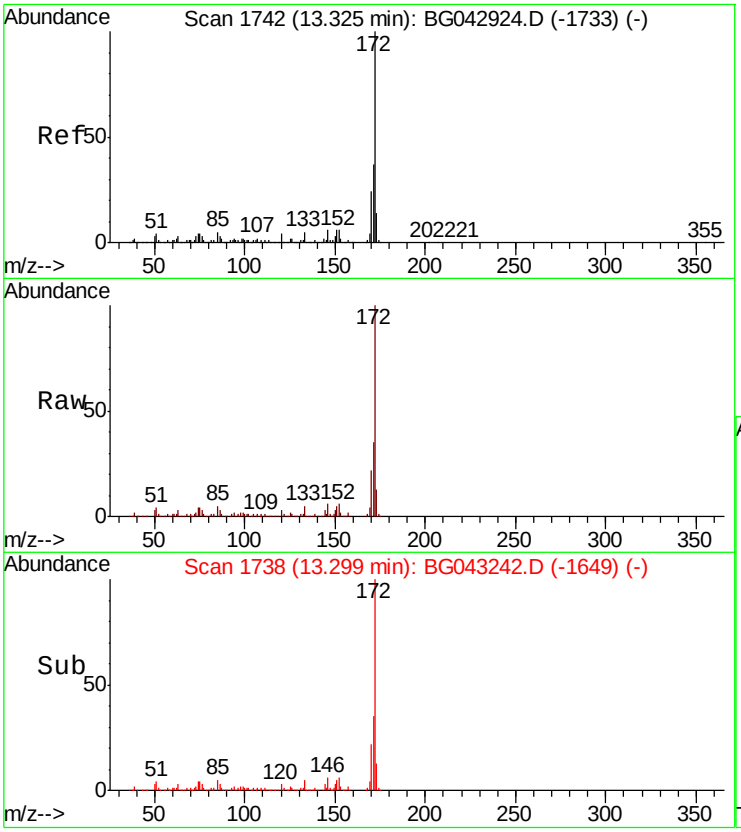




#42
2,4,6-Tribromophenol
Concen: 137.835 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:330 Resp: 345947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 78.2 | 117.2 |
| 141 | 27.5 | 26.0 | 39.0 |



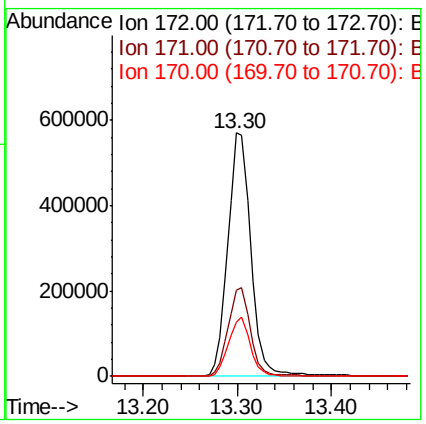


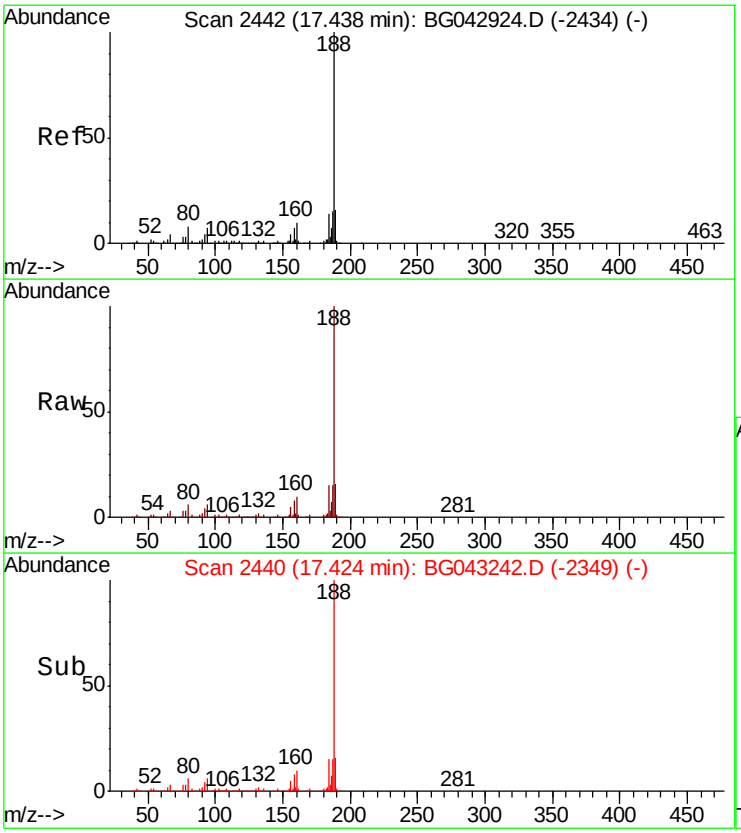

#45
2-Fluorobiphenyl
Concen: 96.608 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:172 Resp: 972668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 29.6 | 44.4 |
| 170 | 22.5 | 19.6 | 29.4 |

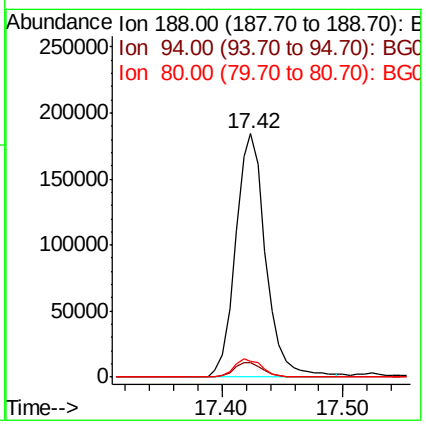


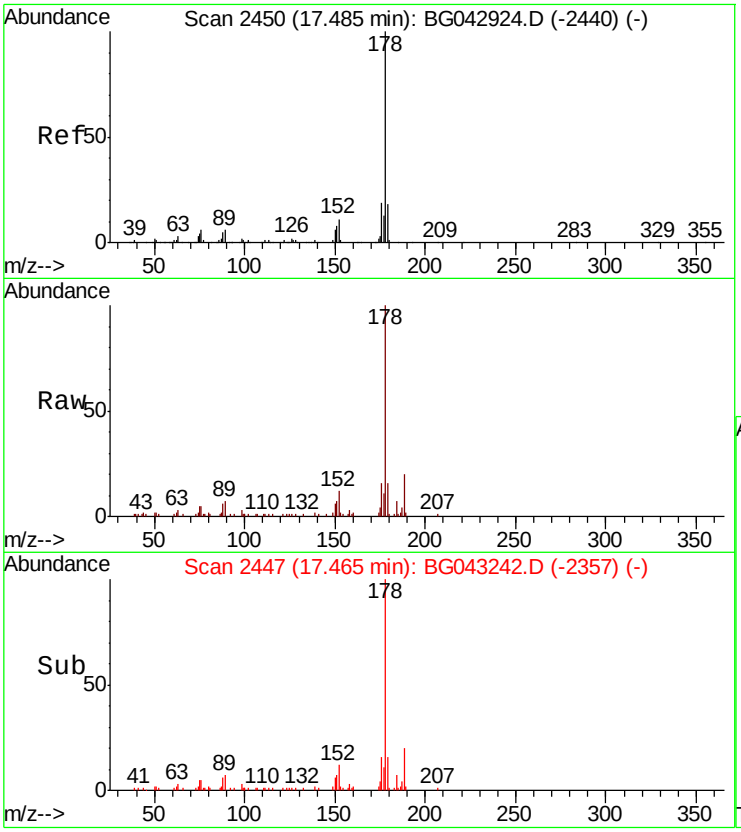




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. 0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:188 Resp: 320157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.8 | 5.7 | 8.5 |
| 80 | 6.4 | 6.5 | 9.7# |



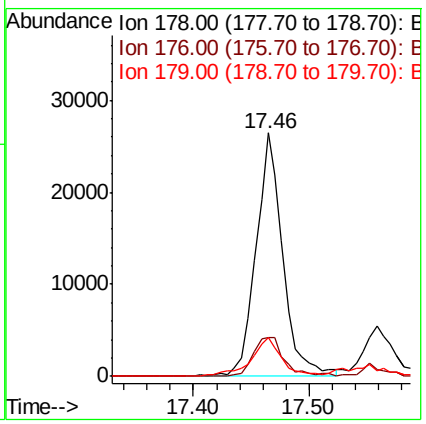


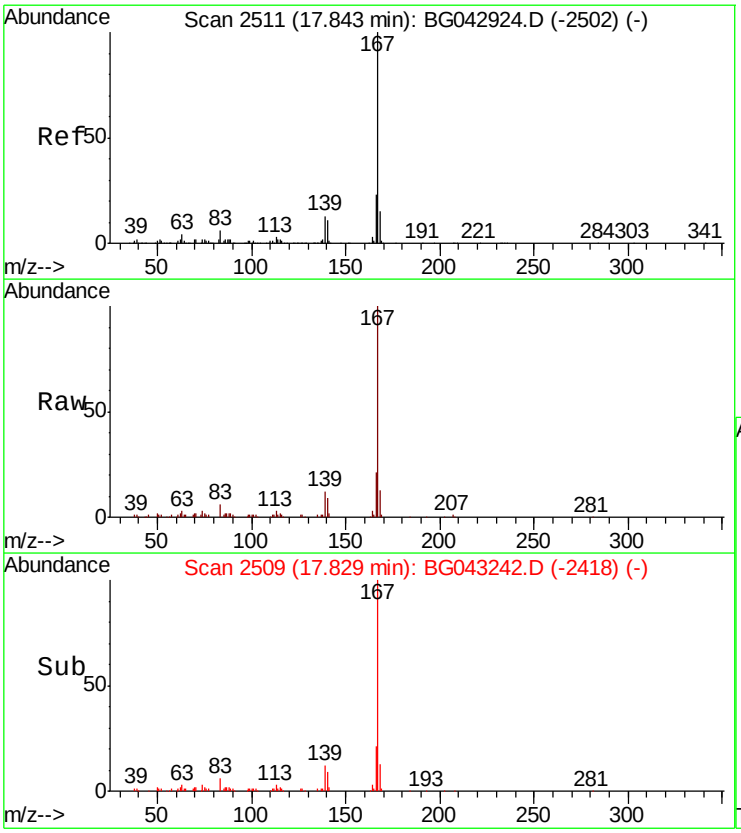

#71
Phenanthrene
Concen: 2.744 ng
RT: 17.46 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:178 Resp: 42885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 16.1 | 15.1 | 22.7 |
| 179 | 16.2 | 14.1 | 21.1 |

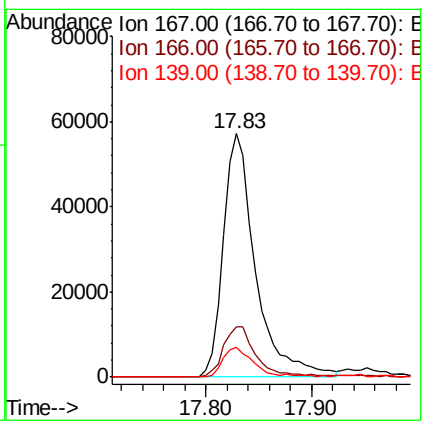


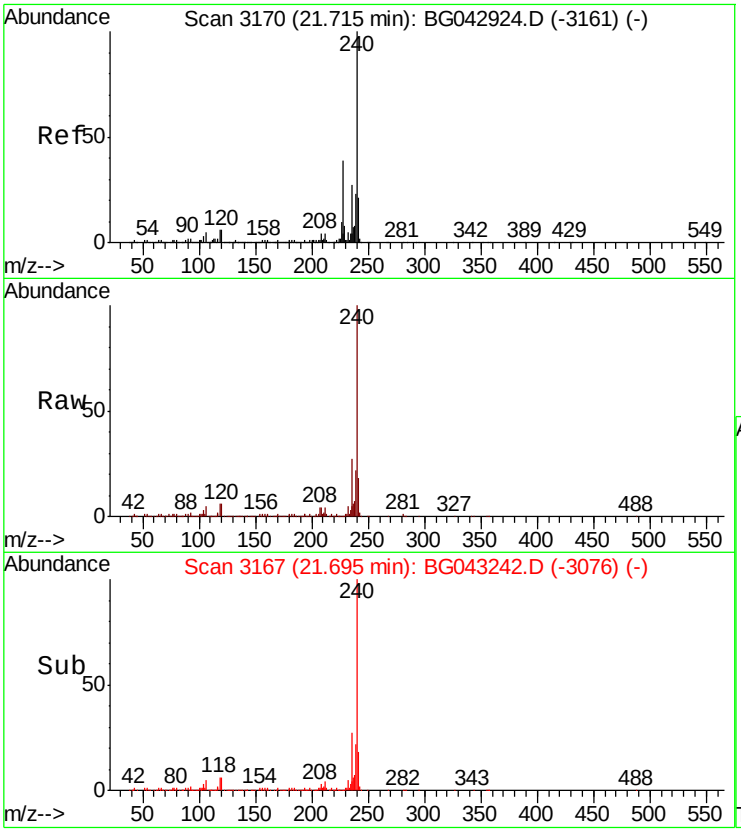




#73
Carbazole
Concen: 8.333 ng
RT: 17.83 min Scan# 2509
Delta R.T. 0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:167 Resp: 120577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.7 | 18.6 | 28.0 |
| 139 | 12.1 | 10.8 | 16.2 |



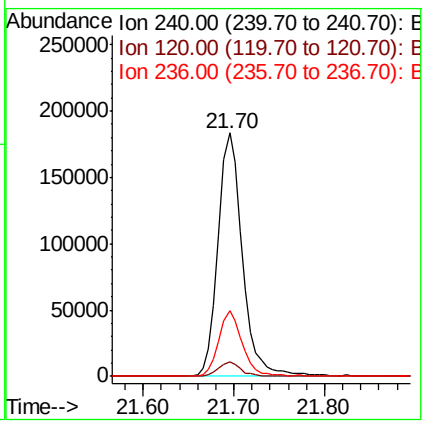


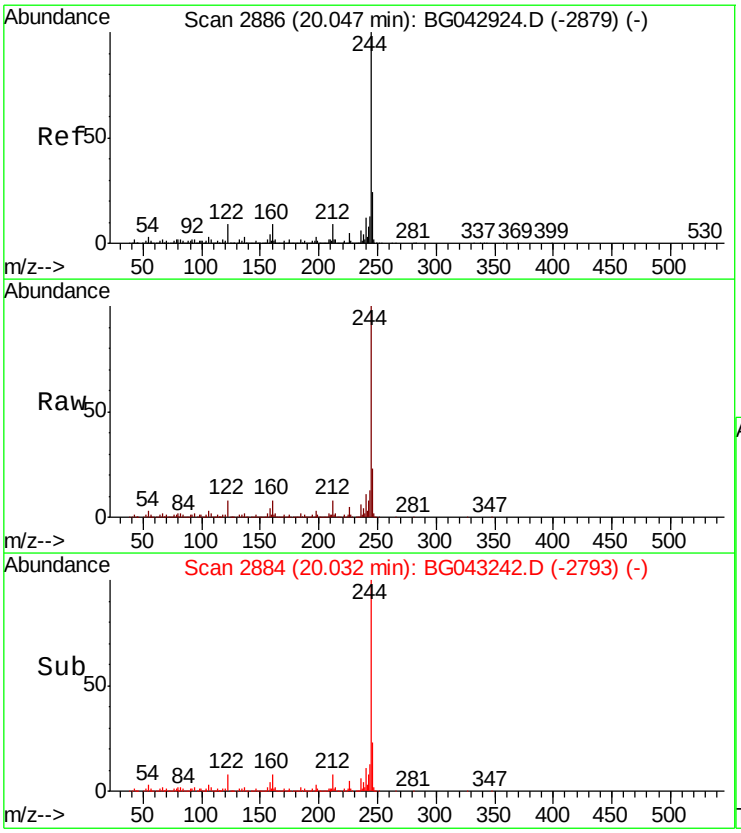

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:240 Resp: 342096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.7 | 4.8 | 7.2 |
| 236 | 26.8 | 21.4 | 32.0 |

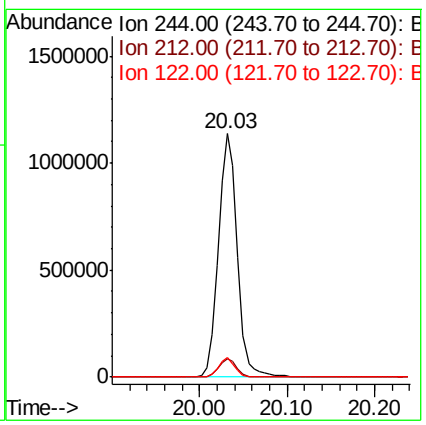


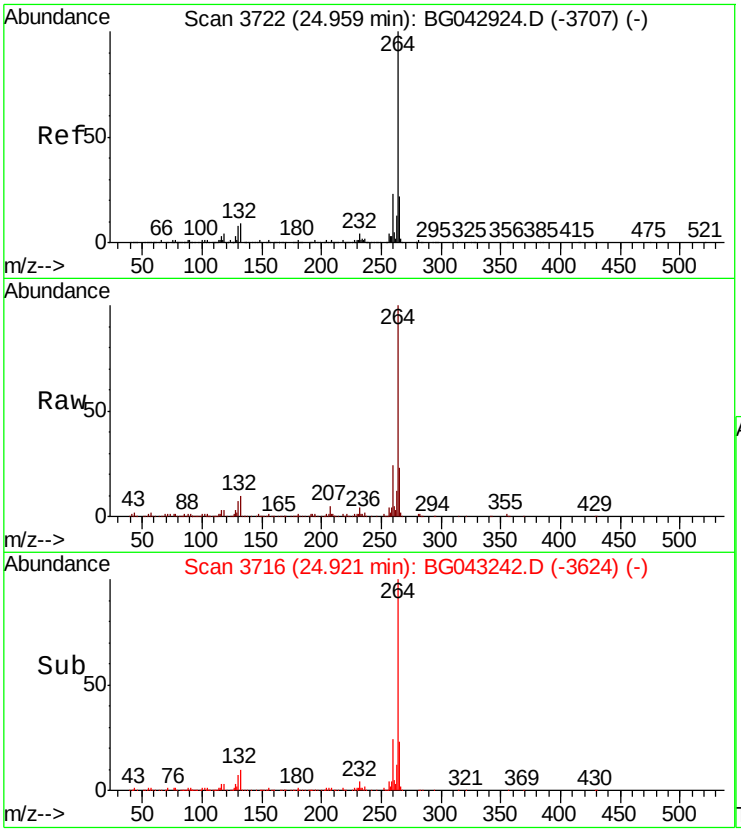




#79
Terphenyl-d14
Concen: 104.963 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

Tgt Ion:244 Resp: 1685094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 7.4 | 11.0 |
| 122 | 7.9 | 7.0 | 10.4 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. 0.01 min
Lab File: BG043242.D
Acq: 16 Oct 2019 8:08

**Instrument :**
BNA_G
**ClientSampleId :**
IDW-SO-101019

Tgt Ion:264 Resp: 408642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.7 | 28.1 |
| 265 | 23.0 | 17.7 | 26.5 |