Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\
Data File : BG035698.D
Acq On : 18 Jul 2018 1:05
Operator : JU/SJ
Sample : PB111100TB
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB111100TB

Quant Time: Jul 18 04:45:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 51359 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.84 | 136 | 181053 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 126014 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 348645 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.67 | 240 | 401568 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 24.88 | 264 | 383337 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 448964 | 145.13 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 628086 | 136.08 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 401443 | 92.63 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 229727 | 138.31 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 908806 | 96.62 | ng | -0.02 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1713142 | 94.04 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |

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

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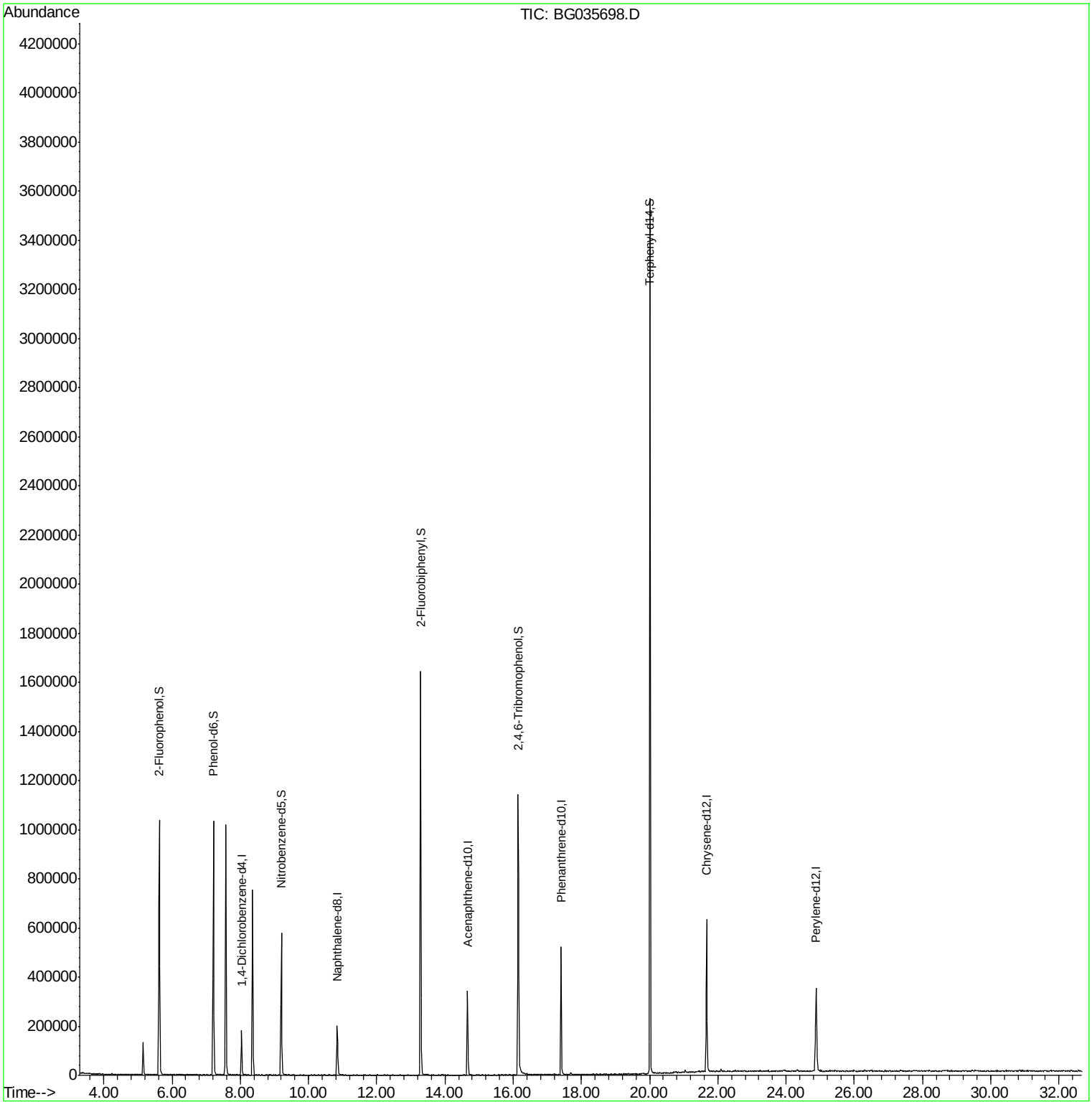
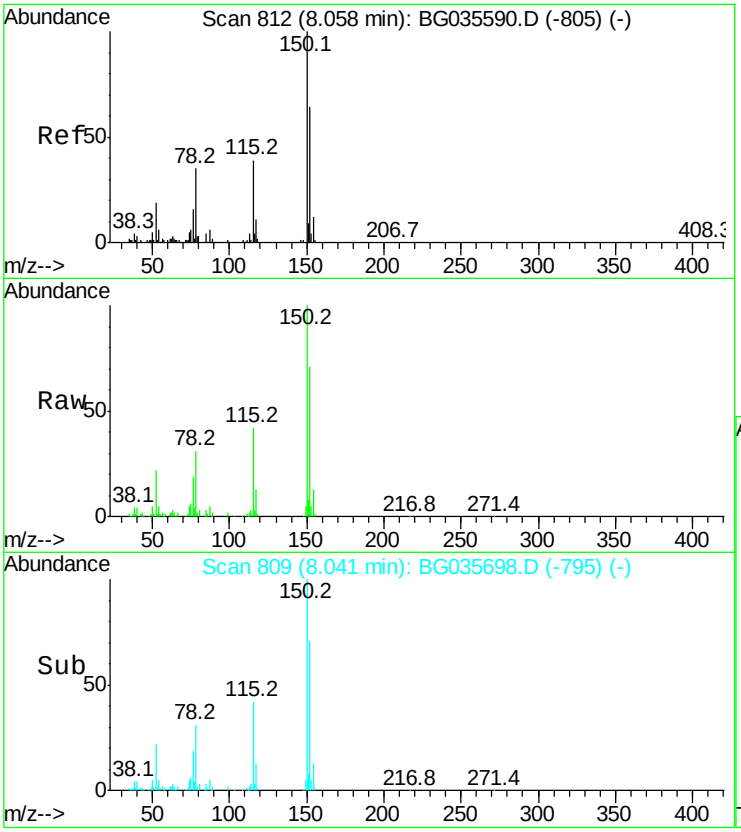


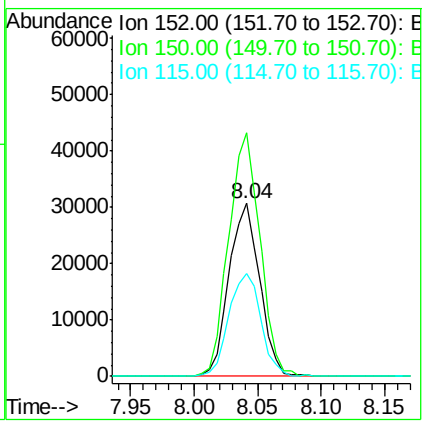


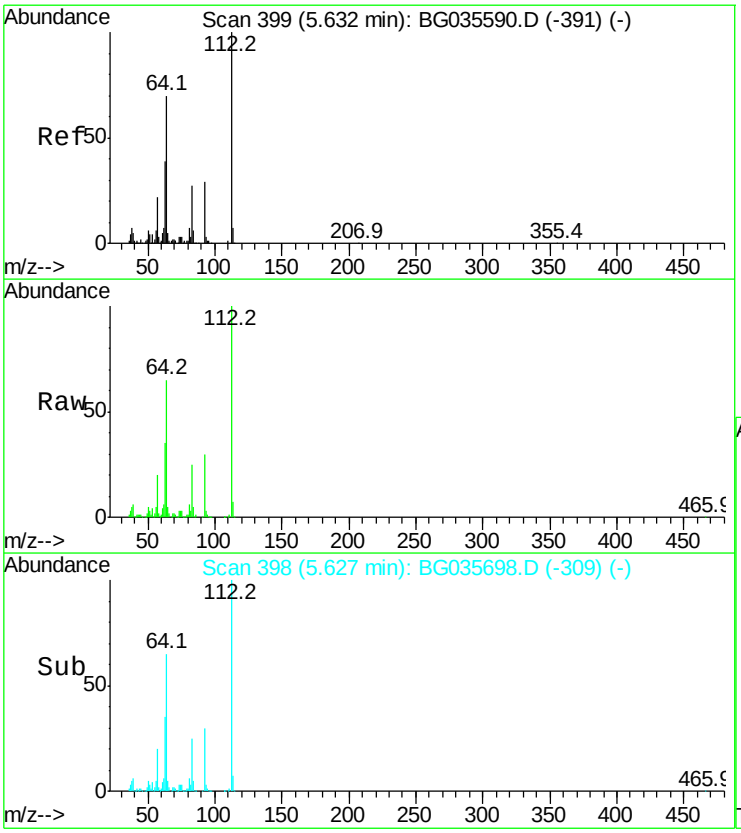

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

**Instrument :**
BNA_G
**ClientSampleId :**
PB111100TB

Tgt Ion:152 Resp: 51359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 140.8 | 126.6 | 189.8 |
| 115 | 59.7 | 53.0 | 79.4 |

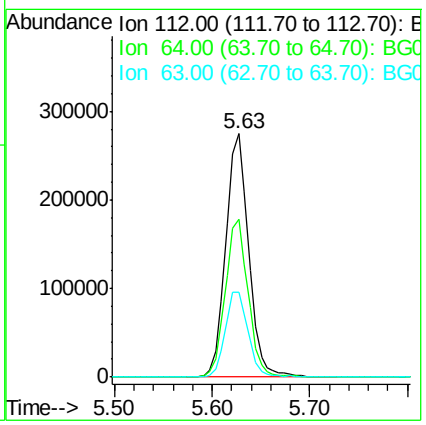


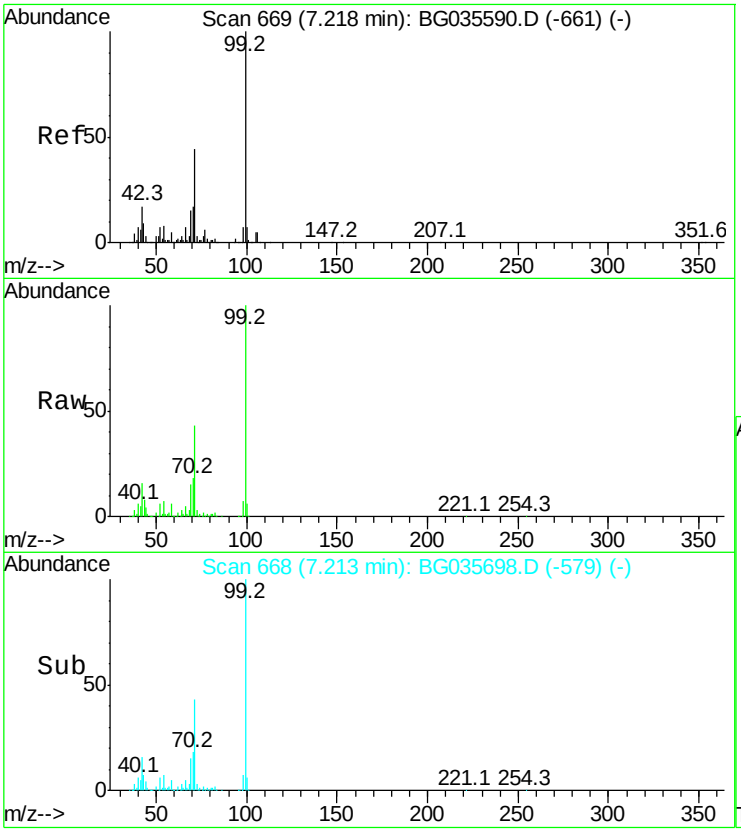




#5
2-Fluorophenol
Concen: 145.132 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

Tgt Ion:112 Resp: 448964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.6 | 56.3 | 84.5 |
| 63 | 34.7 | 30.1 | 45.1 |



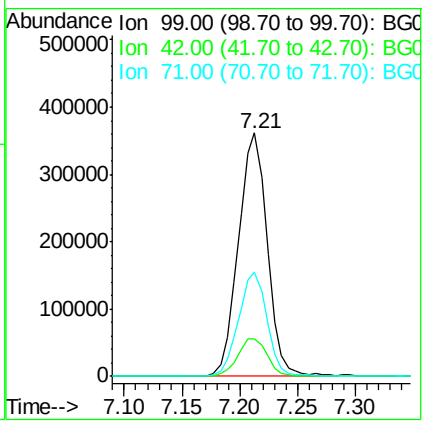


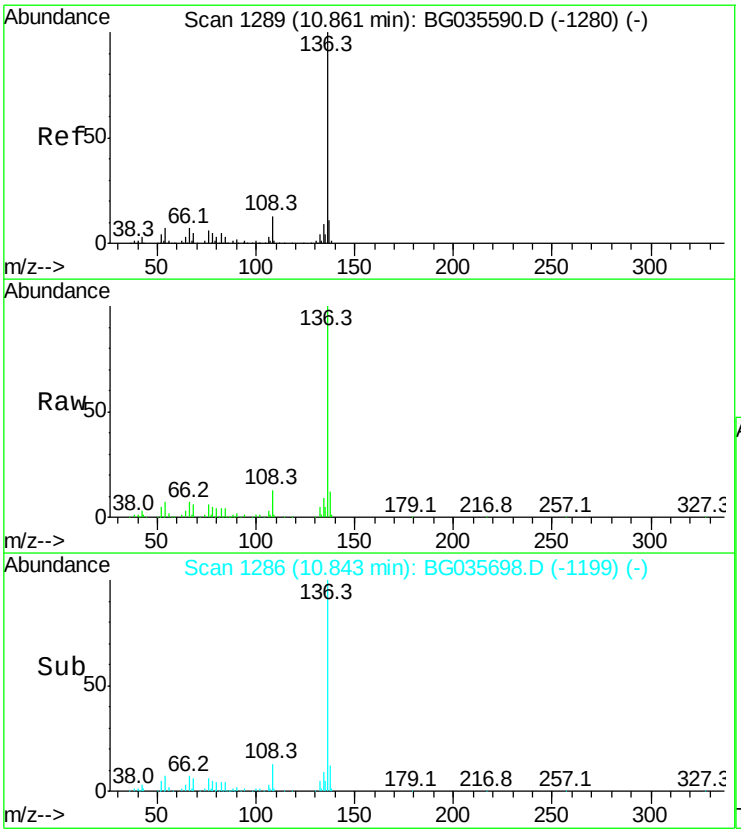

#7
Phenol-d6
Concen: 136.084 ng
RT: 7.21 min Scan# 668
Delta R.T. -0.01 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

**Instrument :**
BNA_G
**ClientSampleId :**
PB111100TB

Tgt Ion: 99 Resp: 628086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.6 | 14.1 | 21.1 |
| 71 | 42.8 | 26.1 | 39.1# |

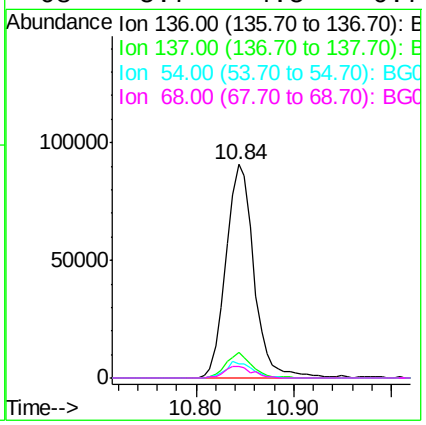


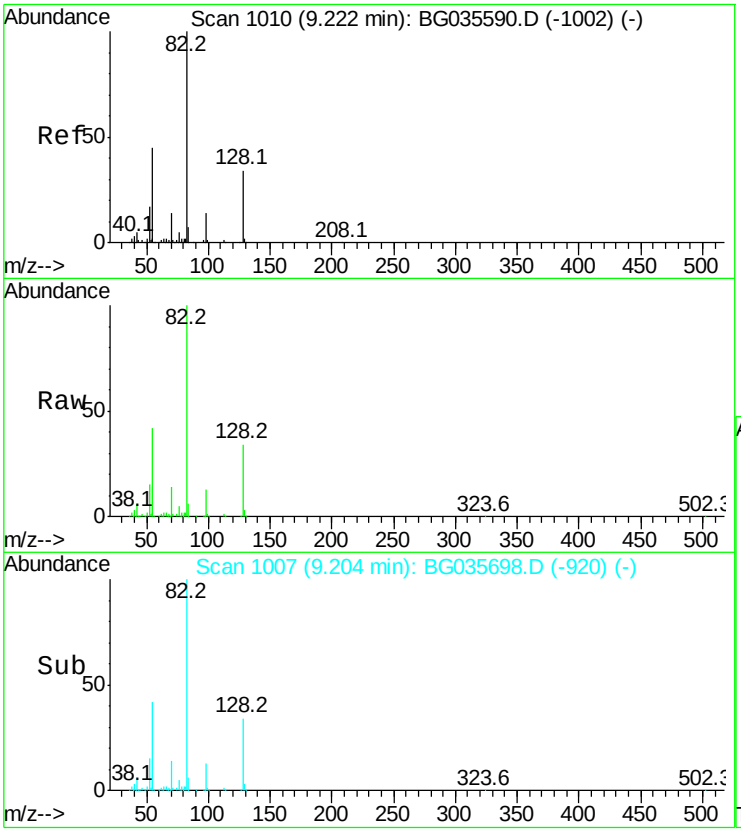




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

Tgt Ion:136 Resp: 181053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.2 | 13.8 |
| 54 | 6.8 | 10.3 | 15.5# |
| 68 | 5.7 | 4.5 | 6.7 |



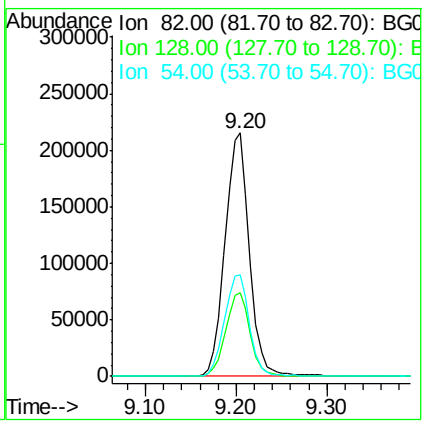


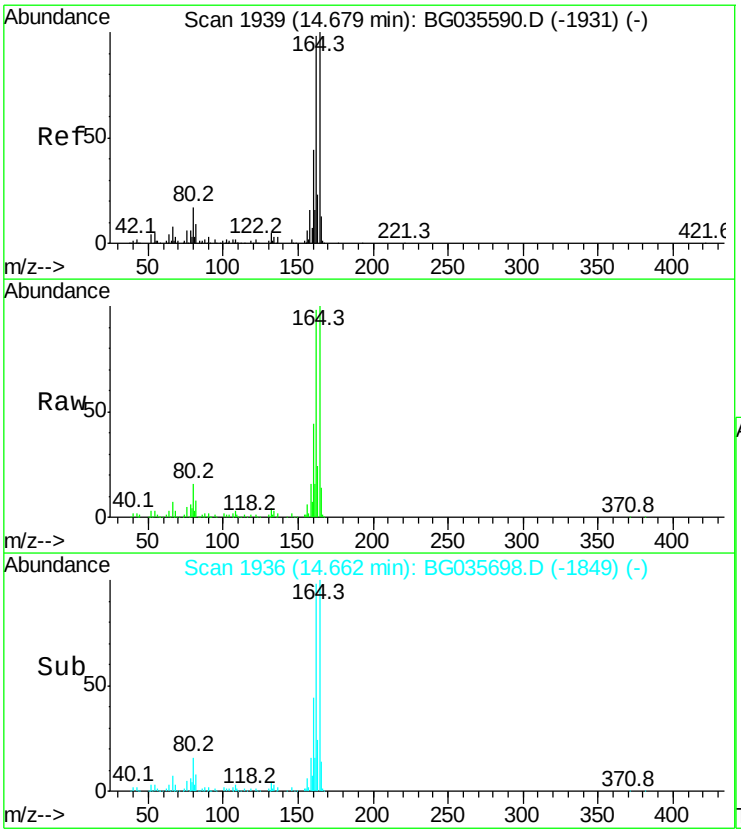

#23
Nitrobenzene-d5
Concen: 92.626 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

**Instrument :**
BNA_G
**ClientSampleId :**
PB111100TB

Tgt Ion: 82 Resp: 401443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.3 | 29.7 | 44.5 |
| 54 | 41.6 | 43.1 | 64.7# |

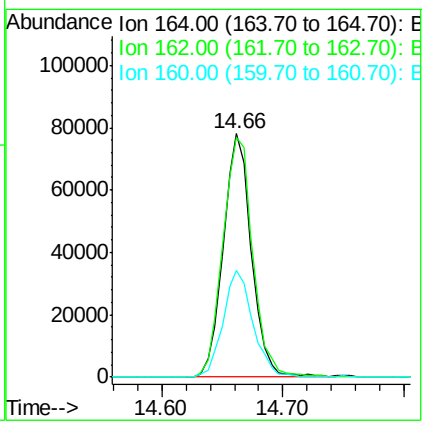


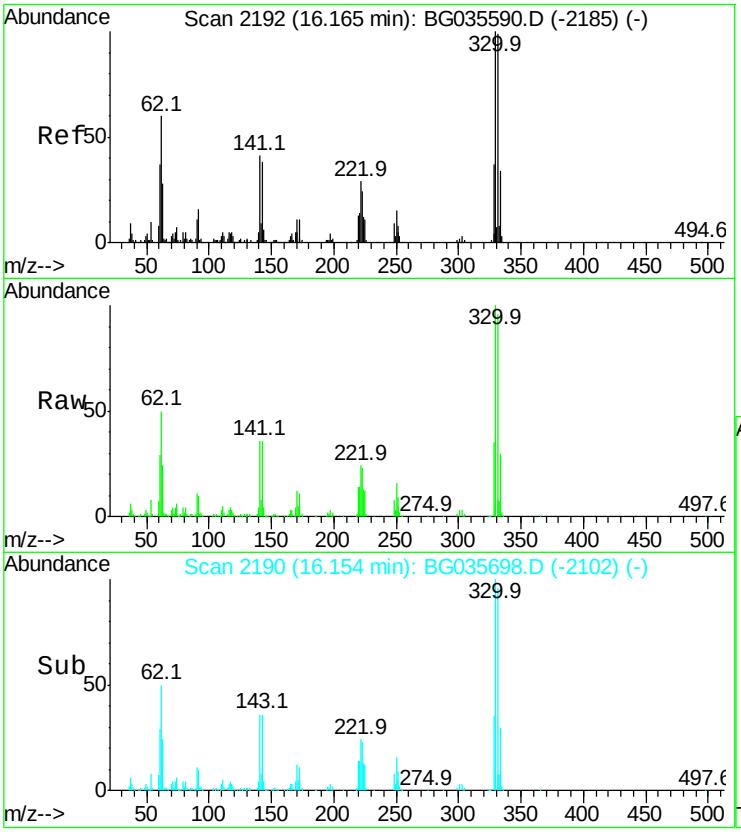




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

Tgt Ion:164 Resp: 126014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.3 | 78.8 | 118.2 |
| 160 | 43.9 | 35.4 | 53.0 |



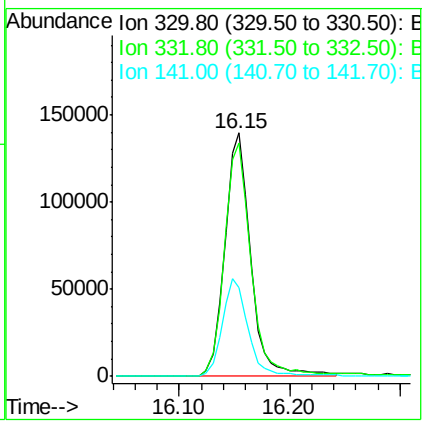


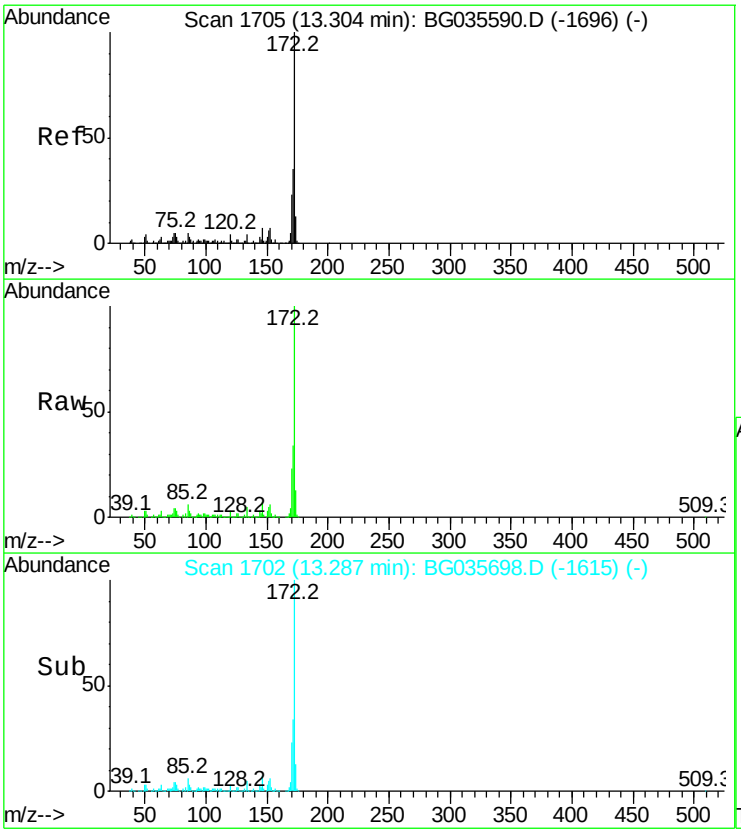

#41
2,4,6-Tribromophenol
Concen: 138.311 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

**Instrument :**
BNA_G
**ClientSampleId :**
PB111100TB

Tgt Ion:330 Resp: 229727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.7 | 77.0 | 115.6 |
| 141 | 40.3 | 25.2 | 37.8# |

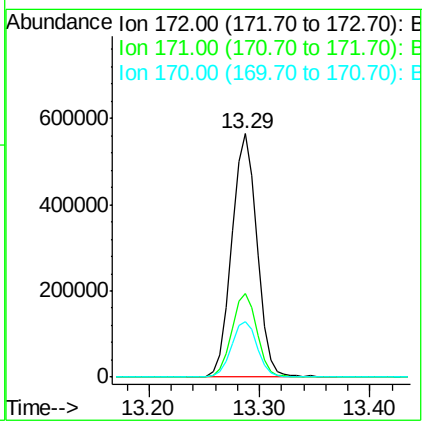


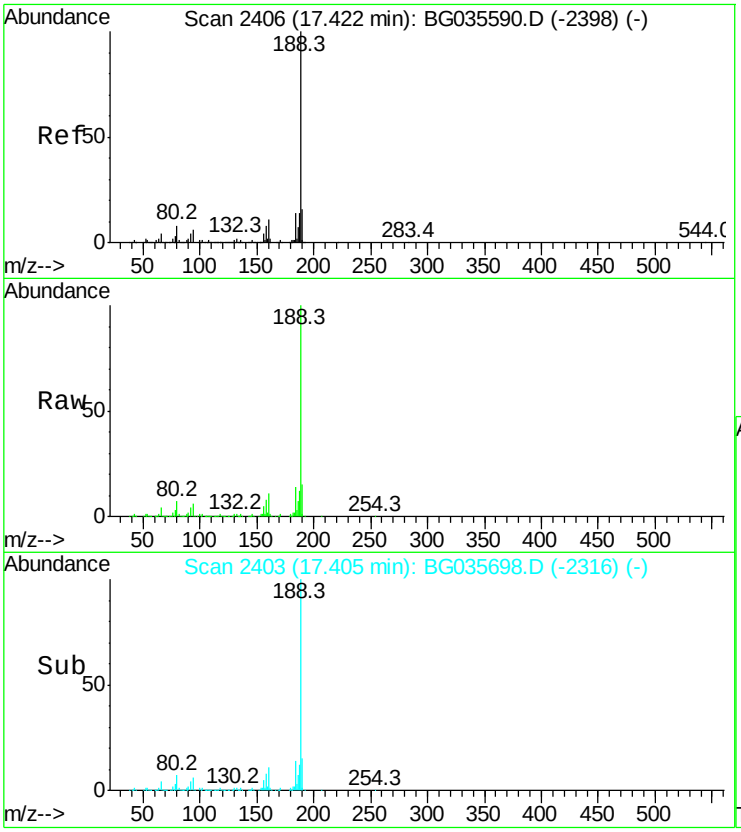




#44
2-Fluorobiphenyl
Concen: 96.621 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

Tgt Ion:172 Resp: 908806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 30.0 | 45.0 |
| 170 | 23.0 | 19.5 | 29.3 |



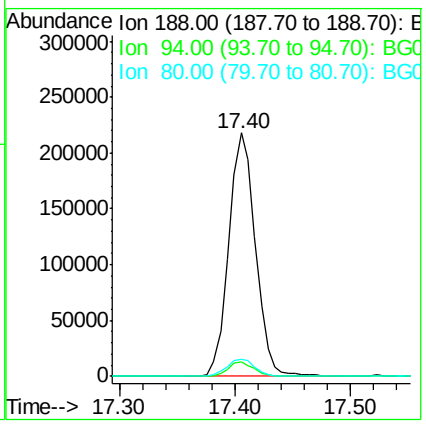


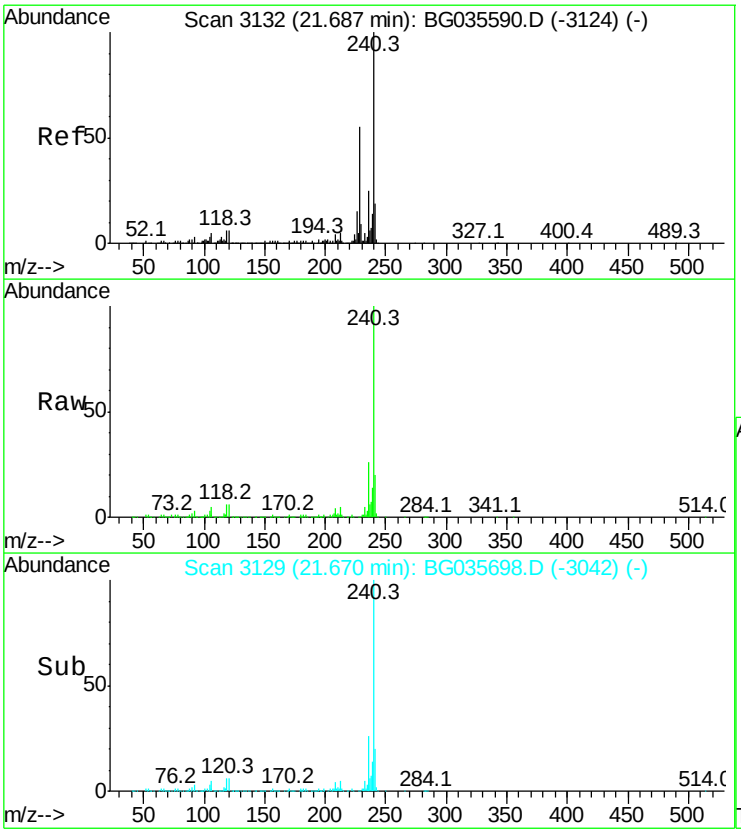

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2403
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

**Instrument :** BNA_G
**ClientSampleId :** PB111100TB

Tgt Ion:188 Resp: 348645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.9 | 6.9 | 10.3# |
| 80 | 7.2 | 7.7 | 11.5# |

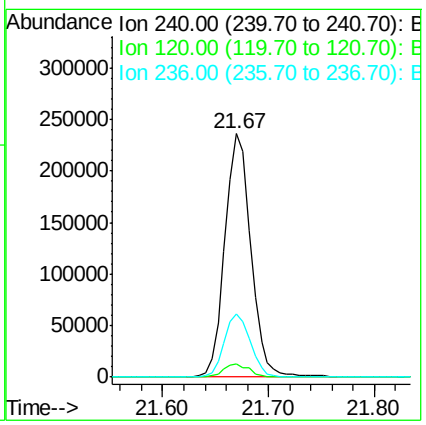


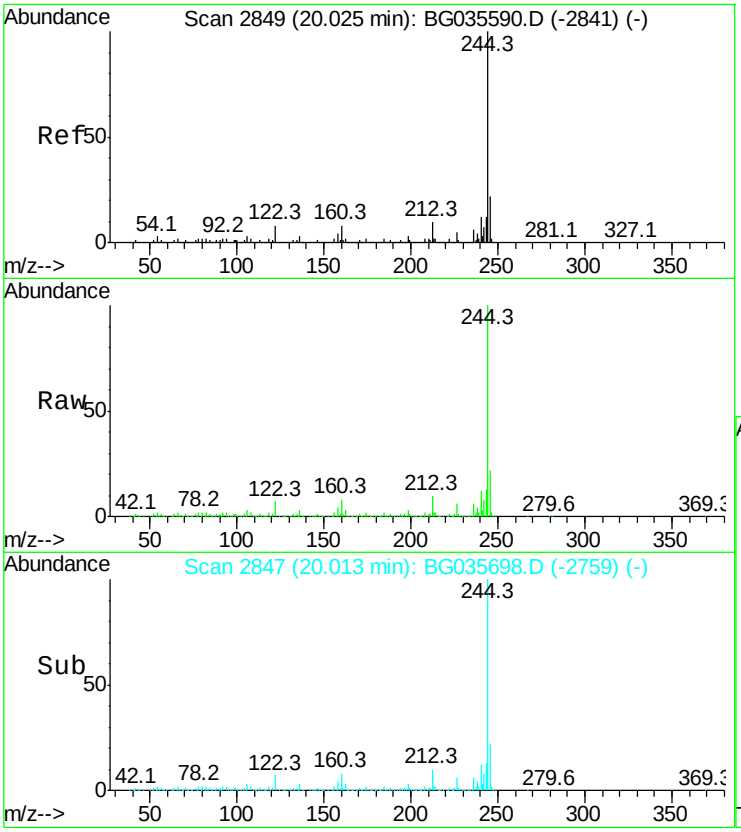




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

Tgt Ion:240 Resp: 401568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.5 | 6.8 | 10.2# |
| 236 | 25.8 | 20.9 | 31.3 |



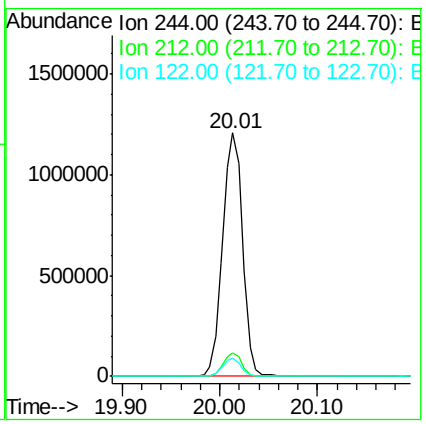


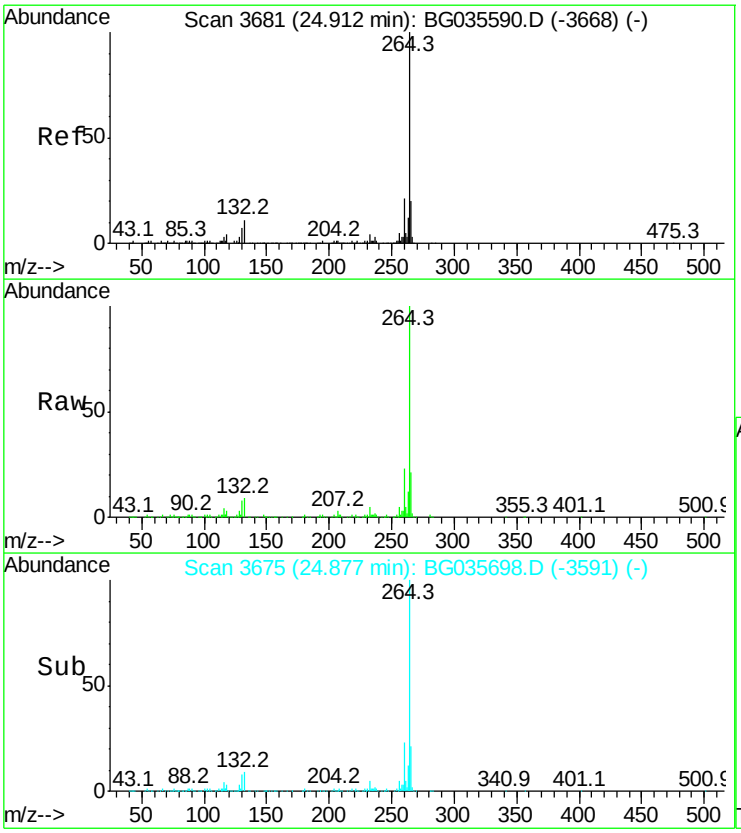

#78
Terphenyl-d14
Concen: 94.038 ng
RT: 20.01 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

**Instrument :**
BNA_G
**ClientSampleId :**
PB111100TB

Tgt Ion:244 Resp: 1713142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.7 | 5.8 | 8.8# |
| 122 | 7.4 | 7.0 | 10.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.03 min
Lab File: BG035698.D
Acq: 18 Jul 2018 1:05

Tgt Ion:264 Resp: 383337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 17.4 | 26.0 |
| 265 | 21.1 | 17.7 | 26.5 |