Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092117\
Data File : BG028865.D
Acq On : 21 Sep 2017 19:44
Operator : SJ/JU
Sample : I5308-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 220-1-(O-U)-COMP

Quant Time: Sep 22 16:54:07 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.29 | 152 | 33039 | 20.00 | ng | -0.04 |
| 21) Naphthalene-d8 | 11.11 | 136 | 133714 | 20.00 | ng | -0.04 |
| 38) Acenaphthene-d10 | 14.90 | 164 | 94706 | 20.00 | ng | -0.04 |
| 63) Phenanthrene-d10 | 17.66 | 188 | 278812 | 20.00 | ng | -0.04 |
| 75) Chrysene-d12 | 21.98 | 240 | 318292 | 20.00 | ng | -0.05 |
| 86) Perylene-d12 | 25.46 | 264 | 304512 | 20.00 | ng | -0.07 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.86 | 112 | 236395 | 118.06 | ng | -0.04 |
| 7) Phenol-d6 | 7.44 | 99 | 283833 | 94.15 | ng | -0.05 |
| 23) Nitrobenzene-d5 | 9.46 | 82 | 236834 | 84.73 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 16.40 | 330 | 187272 | 119.56 | ng | -0.04 |
| 44) 2-Fluorobiphenyl | 13.53 | 172 | 602532 | 84.83 | ng | -0.04 |
| 78) Terphenyl-d14 | 20.24 | 244 | 1289562 | 86.40 | ng | -0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 13) 1,4-Dichlorobenzene | 8.32 | 146 | 96164 | 38.909 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 8.65 | 146 | 41715 | 17.084 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.97 | 180 | 14478 | 5.297 | ng | 90 |

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

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Acq On : 21 Sep 2017 19:44
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**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Quant Time: Sep 22 16:54:07 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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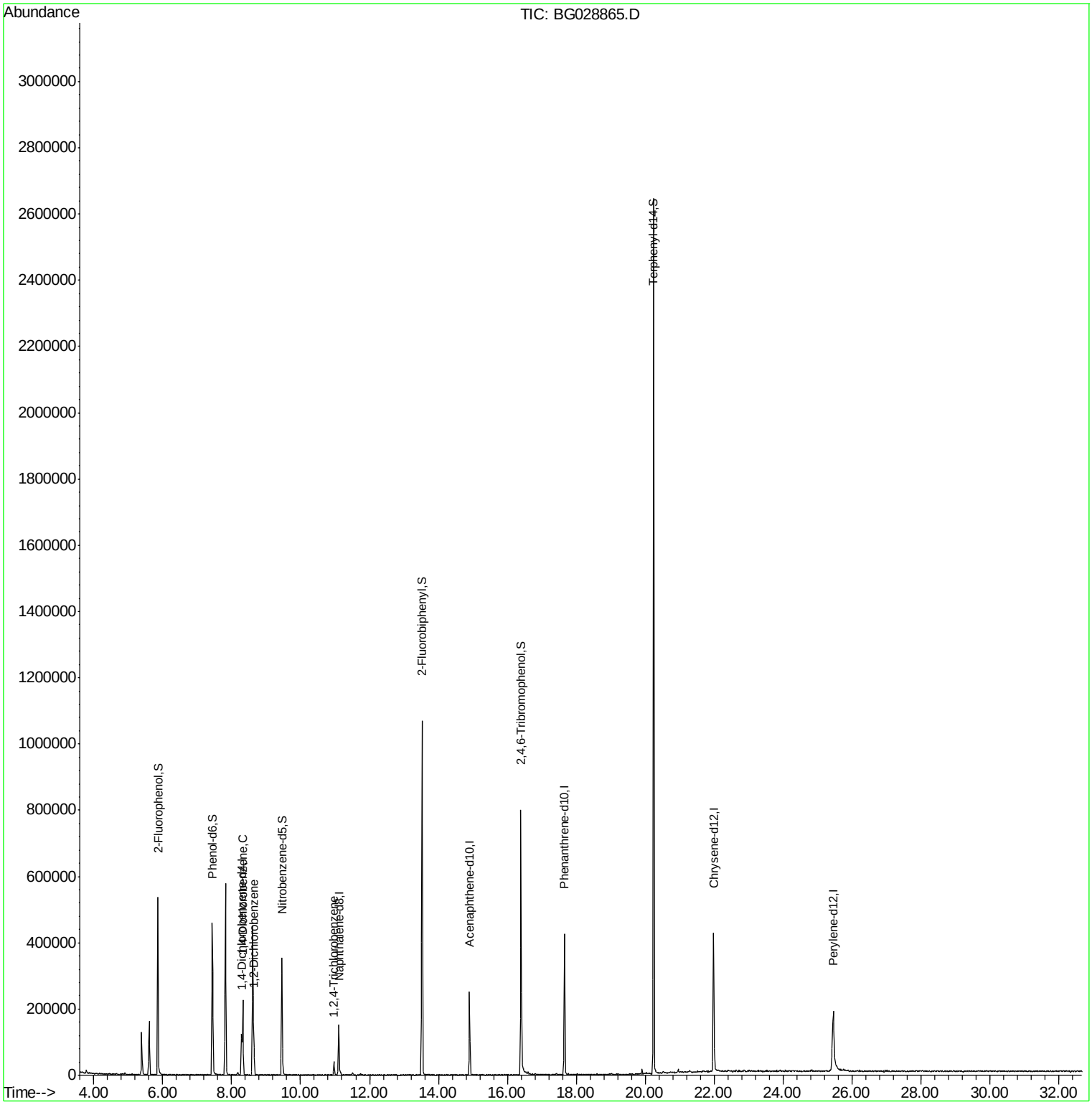
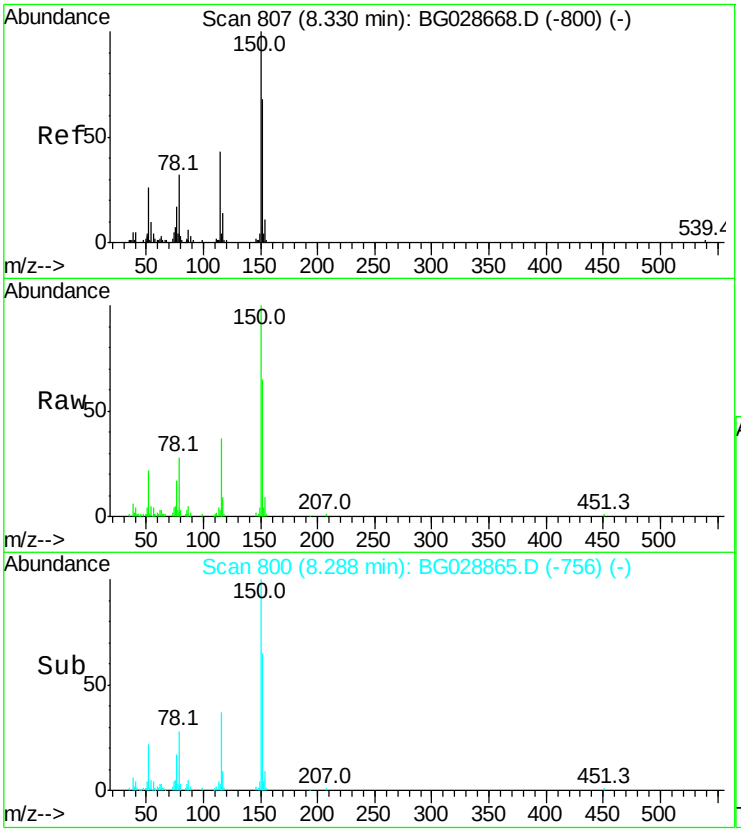


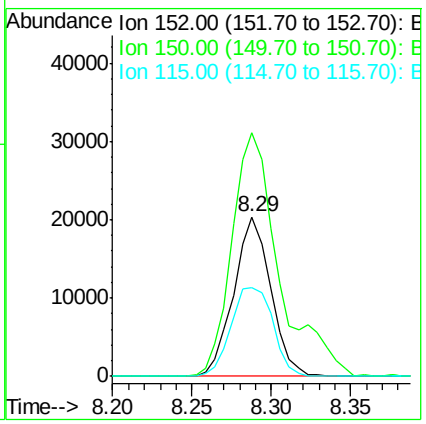


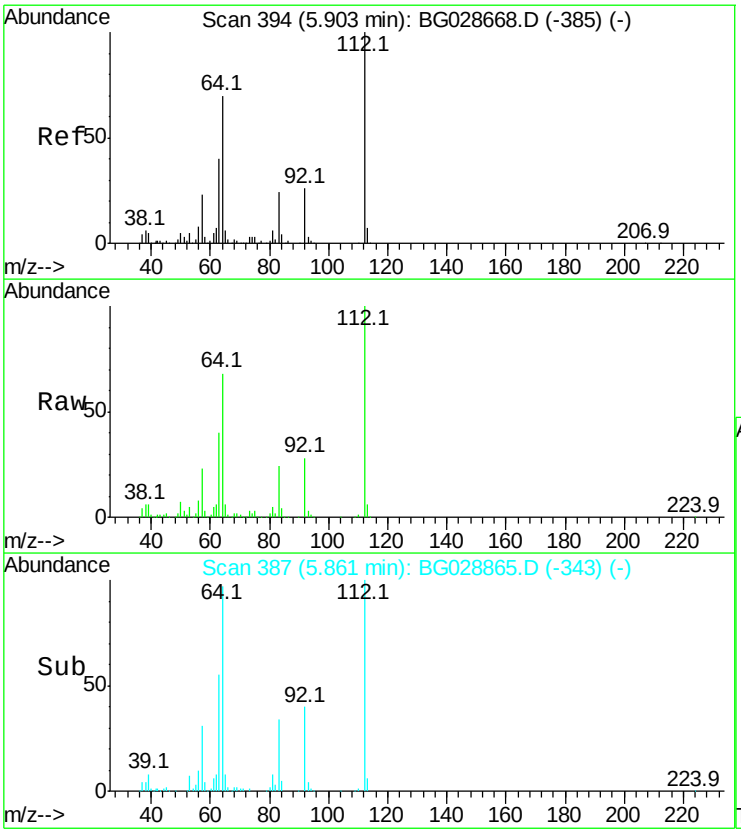

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 800
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion:152 Resp: 33039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 114.0 | 171.0 |
| 115 | 56.1 | 48.1 | 72.1 |

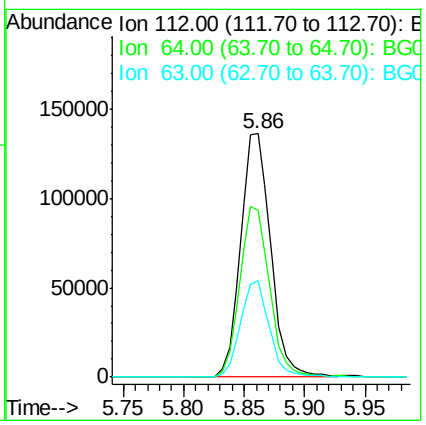


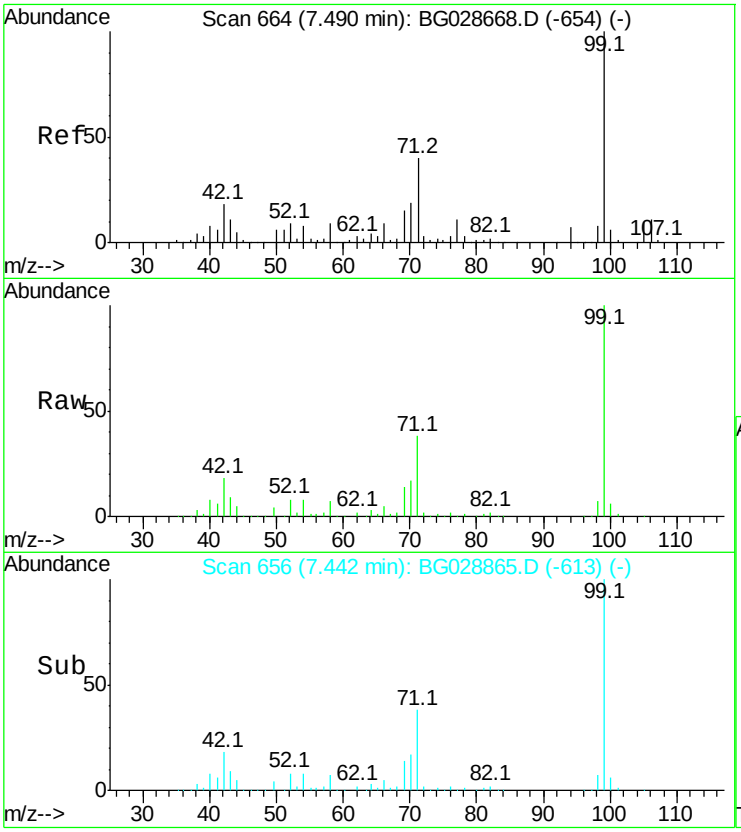




#5
2-Fluorophenol
Concen: 118.061 ng
RT: 5.86 min Scan# 387
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:112 Resp: 236395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.3 | 61.8 | 92.6 |
| 63 | 39.6 | 37.2 | 55.8 |



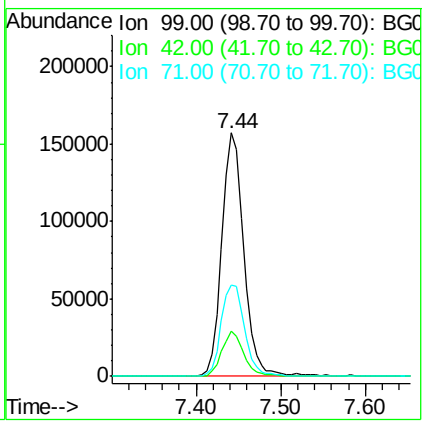


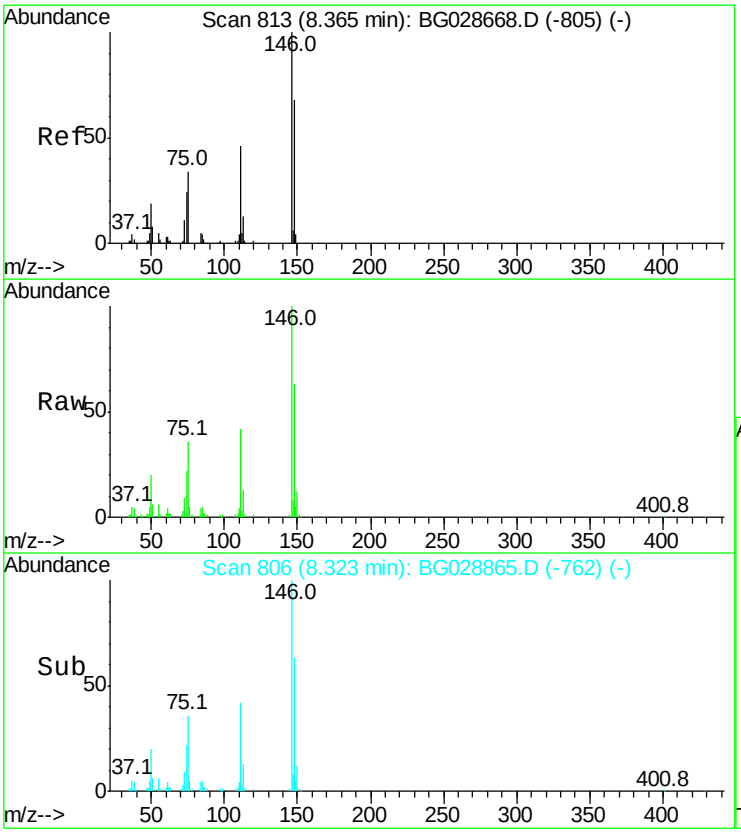

#7
Phenol-d6
Concen: 94.149 ng
RT: 7.44 min Scan# 656
Delta R.T. -0.05 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion: 99 Resp: 283833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 20.5 | 30.7# |
| 71 | 37.6 | 37.6 | 56.4 |

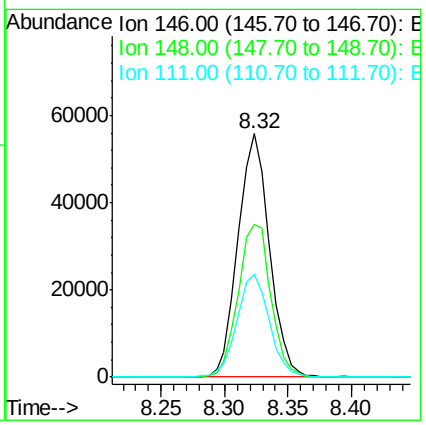


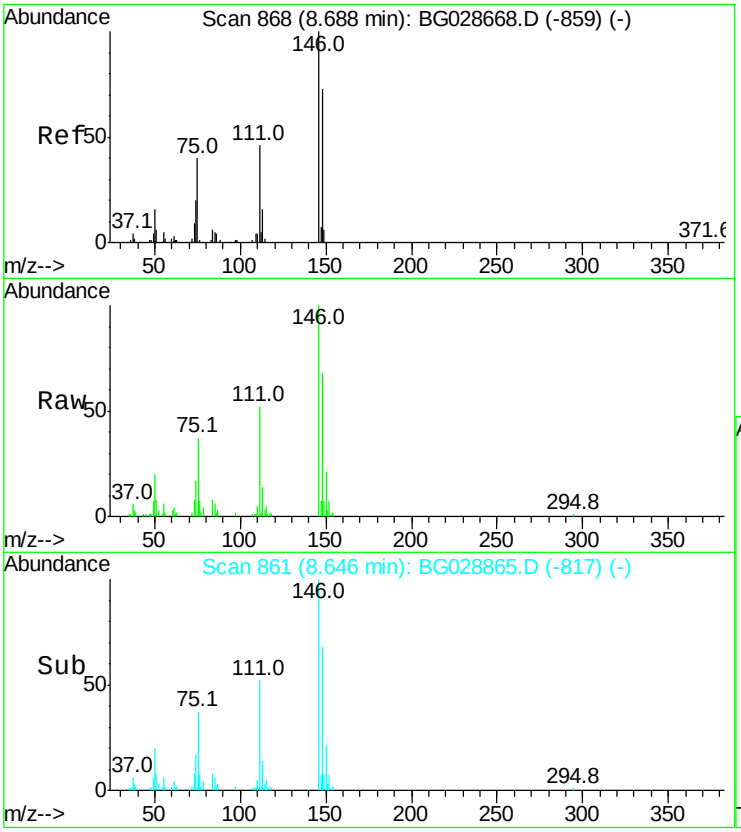




#13
1,4-Dichlorobenzene
Concen: 38.909 ng
RT: 8.32 min Scan# 806
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:146 Resp: 96164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 52.2 | 78.2 |
| 111 | 42.3 | 37.0 | 55.6 |



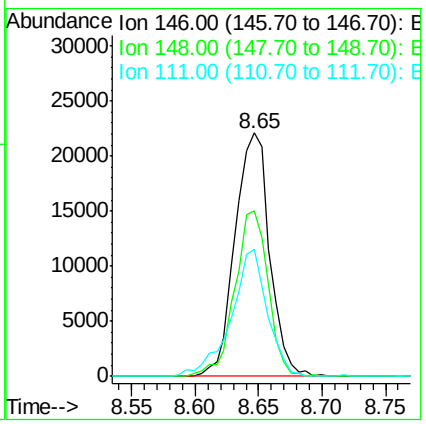


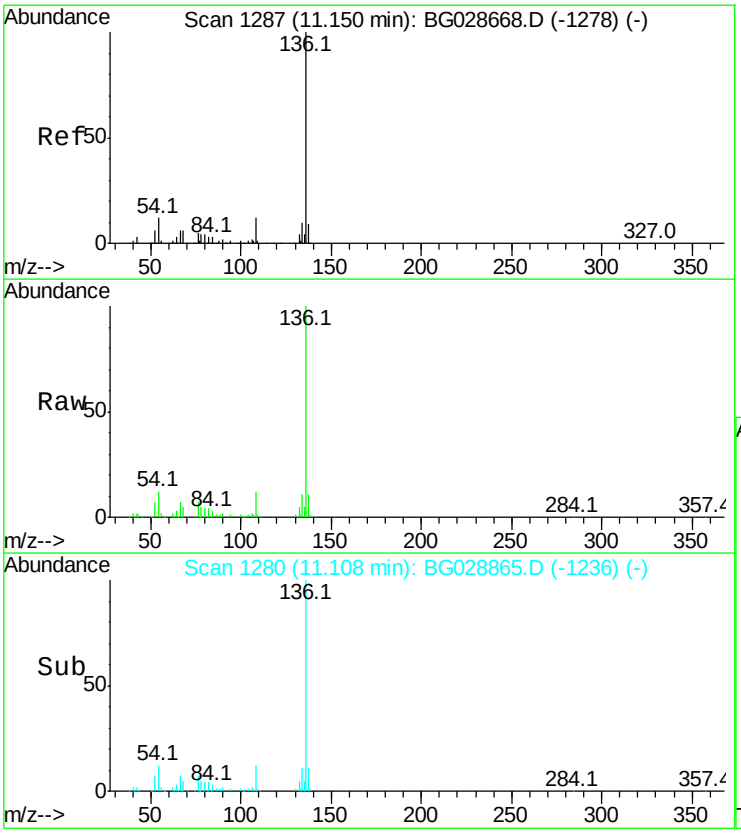

#14
1,2-Dichlorobenzene
Concen: 17.084 ng
RT: 8.65 min Scan# 861
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion:146 Resp: 41715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 68.0 | 54.6 | 81.8 |
| 111 | 52.1 | 39.7 | 59.5 |

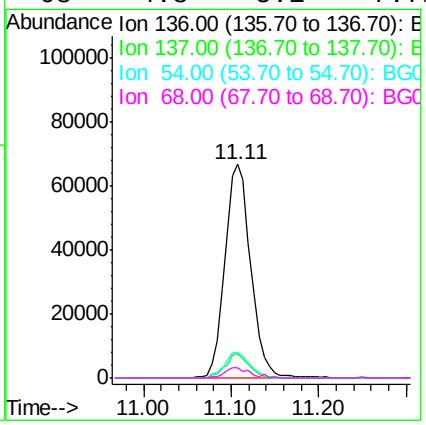


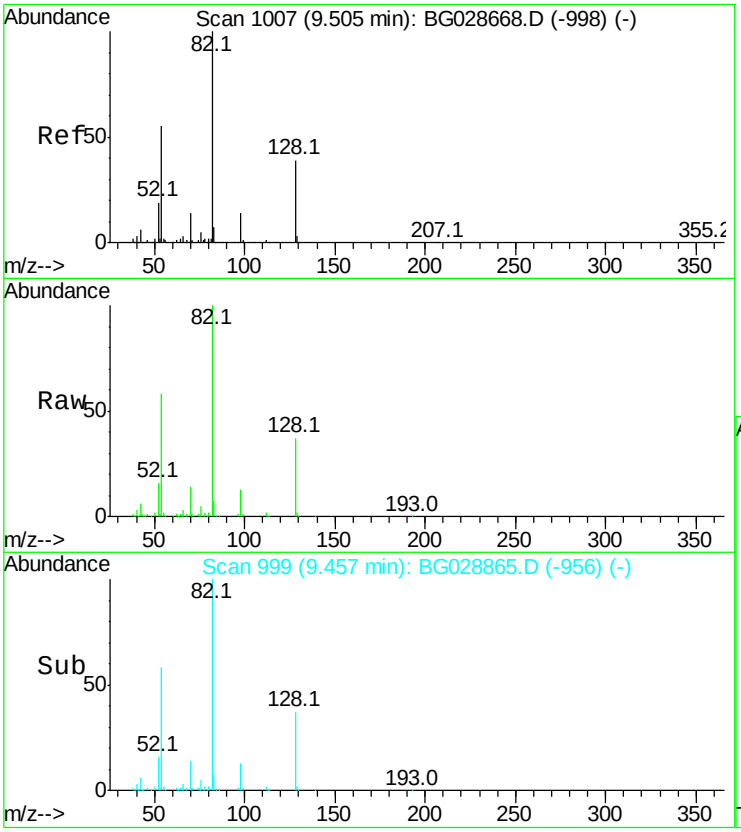




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.11 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:136 Resp: 133714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.9 | 13.3 |
| 54 | 12.1 | 9.3 | 13.9 |
| 68 | 4.8 | 5.1 | 7.7# |



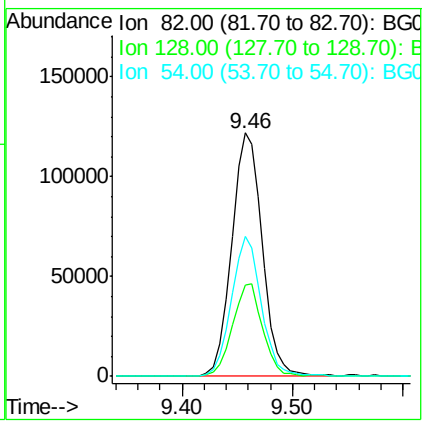


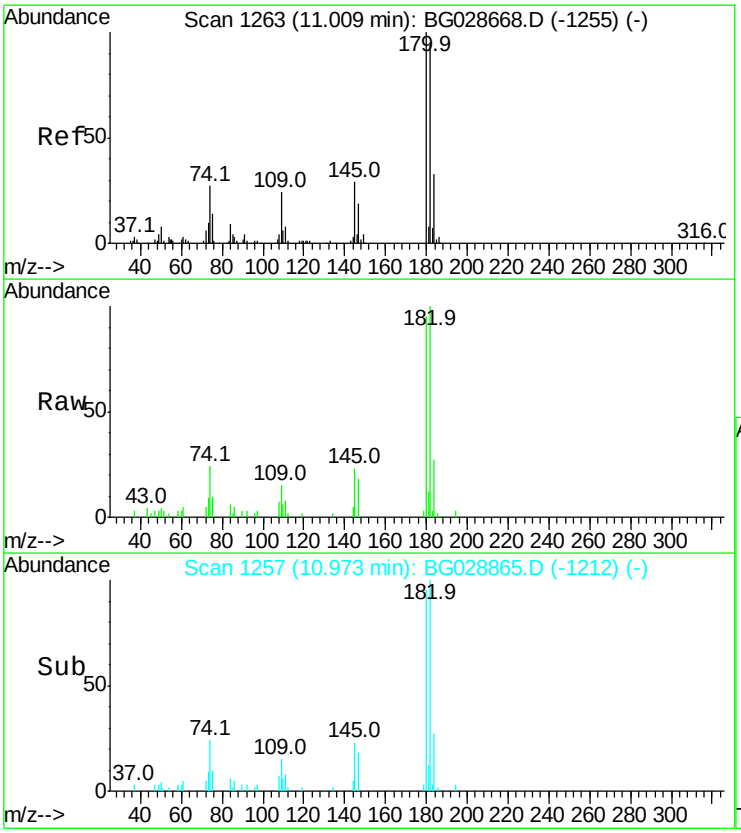

#23
Nitrobenzene-d5
Concen: 84.730 ng
RT: 9.46 min Scan# 999
Delta R.T. -0.05 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion: 82 Resp: 236834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.3 | 26.4 | 39.6 |
| 54 | 57.6 | 49.4 | 74.2 |

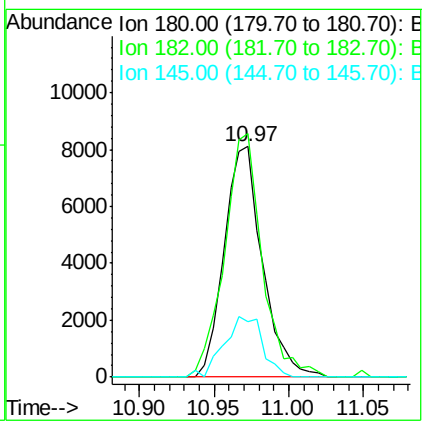


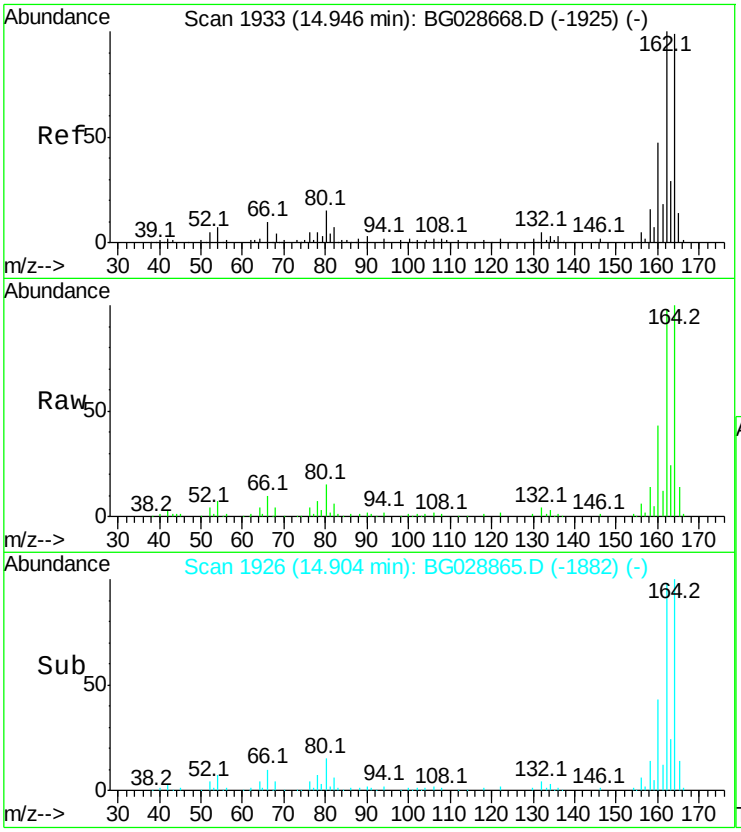




#30
1,2,4-Trichlorobenzene
Concen: 5.297 ng
RT: 10.97 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:180 Resp: 14478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 105.6 | 77.0 | 115.4 |
| 145 | 24.2 | 23.4 | 35.0 |



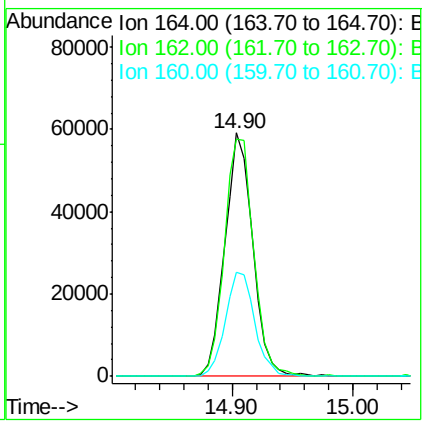


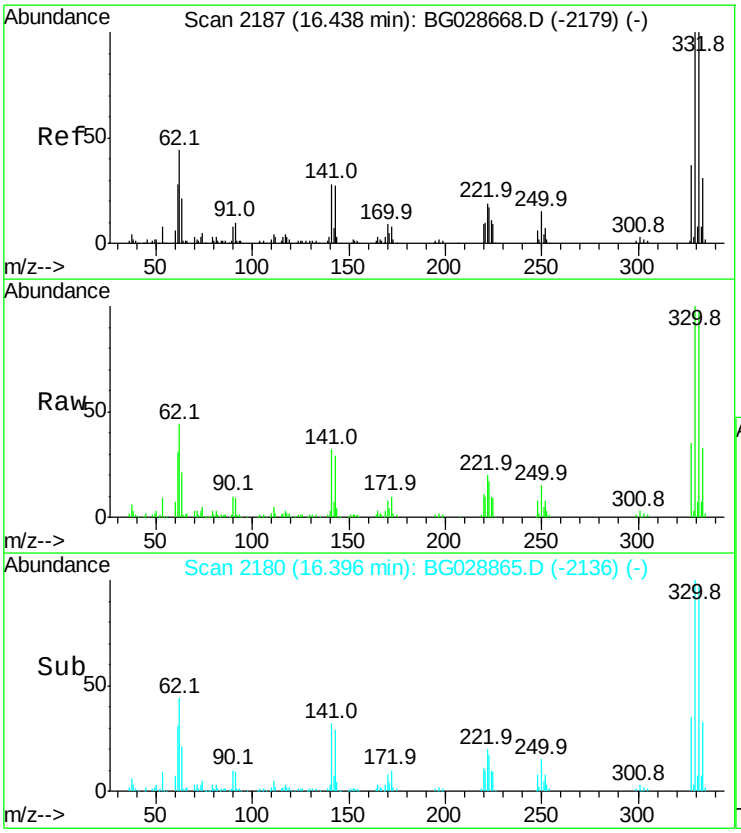

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.90 min Scan# 1926
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion:164 Resp: 94706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.6 | 85.1 | 127.7 |
| 160 | 42.7 | 34.7 | 52.1 |

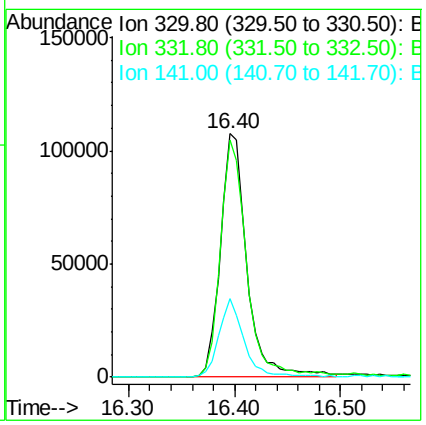


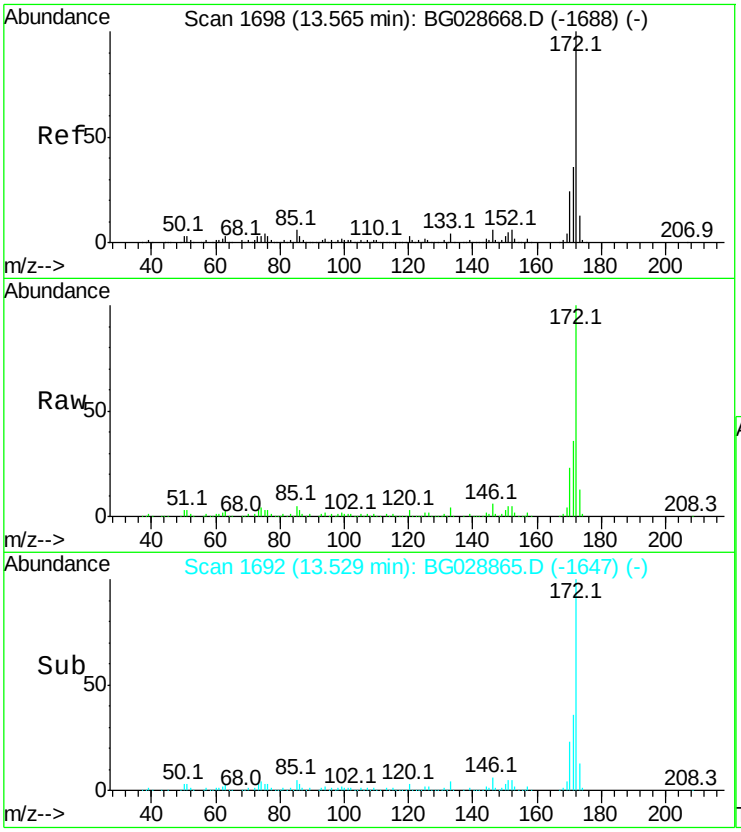




#41
2,4,6-Tribromophenol
Concen: 119.557 ng
RT: 16.40 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:330 Resp: 187272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 77.3 | 115.9 |
| 141 | 30.4 | 32.1 | 48.1# |



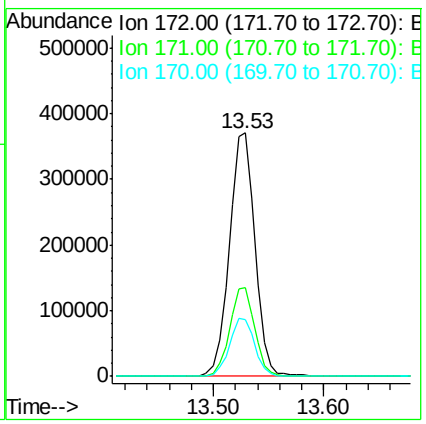


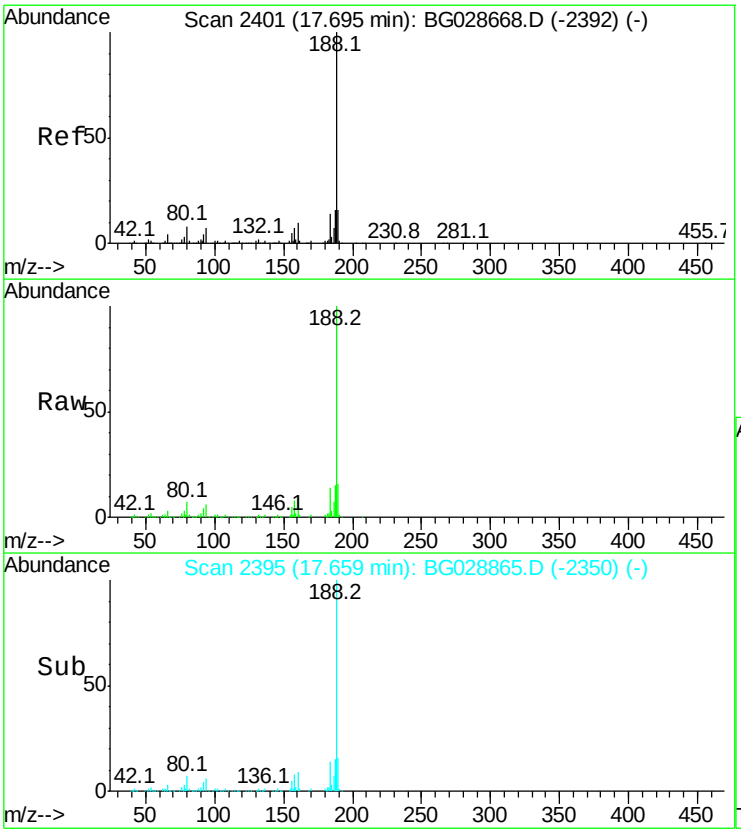

#44
2-Fluorobiphenyl
Concen: 84.834 ng
RT: 13.53 min Scan# 1692
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion:172 Resp: 602532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 32.2 | 48.2 |
| 170 | 23.2 | 21.8 | 32.6 |

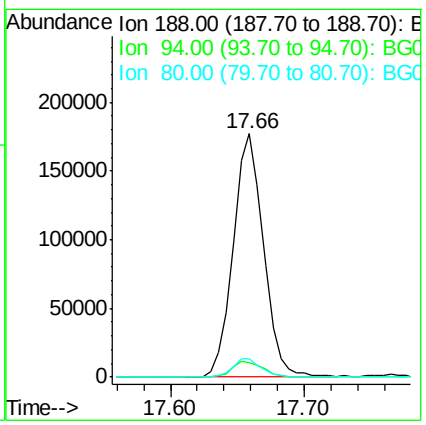


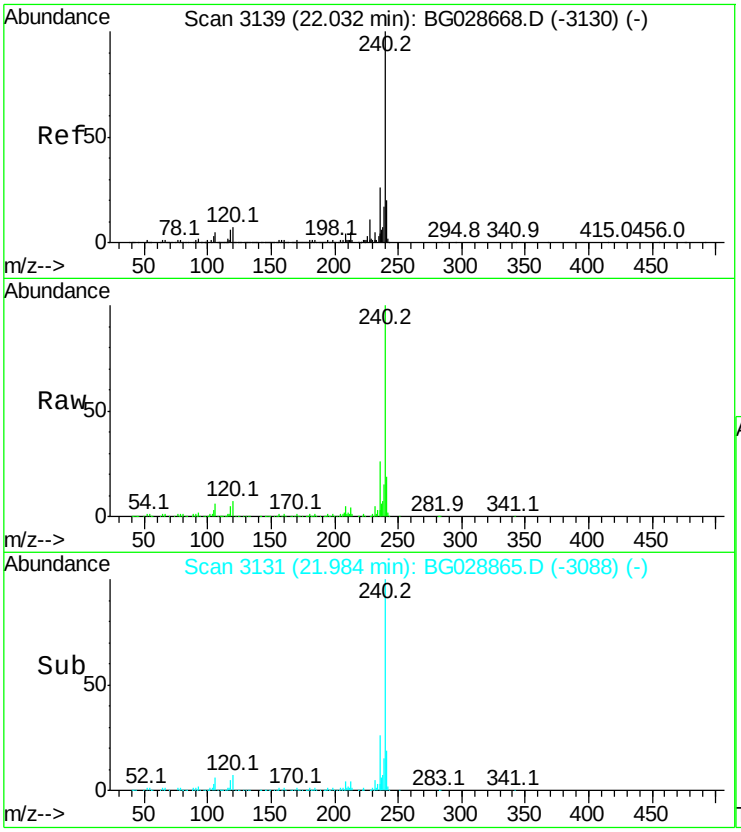




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.66 min Scan# 2395
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:188 Resp: 278812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.0 | 5.8 | 8.8 |
| 80 | 7.4 | 7.5 | 11.3# |



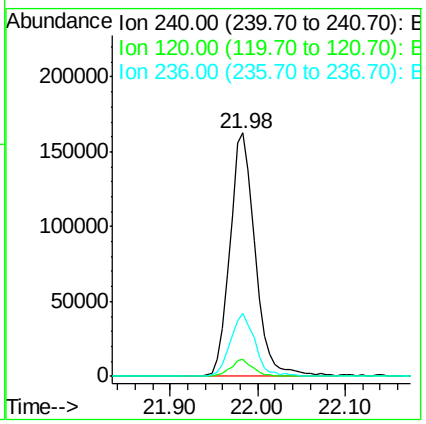


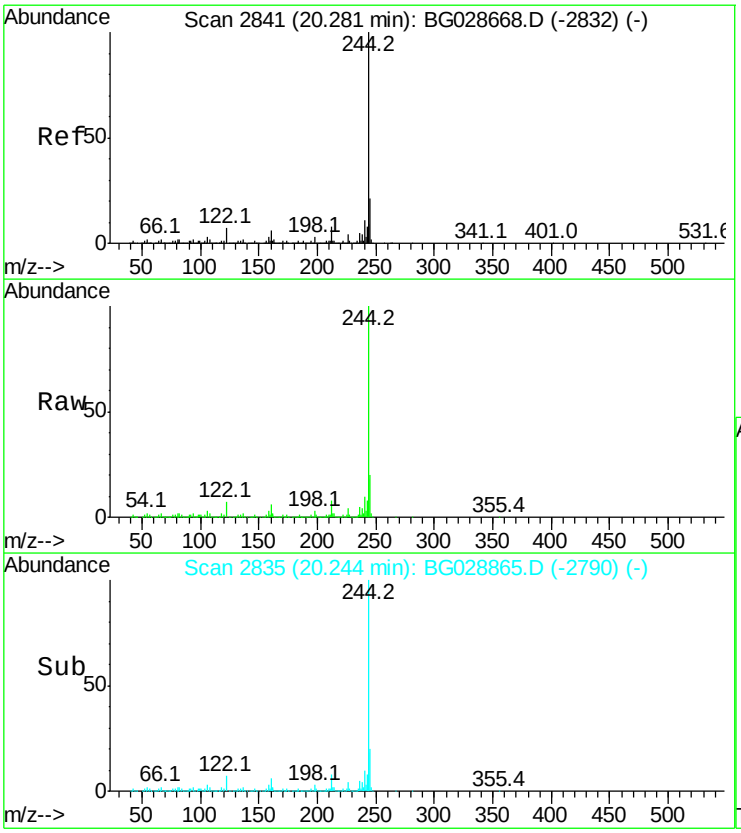

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.98 min Scan# 3131
Delta R.T. -0.05 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion:240 Resp: 318292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.2 | 5.7 | 8.5 |
| 236 | 25.9 | 22.2 | 33.4 |

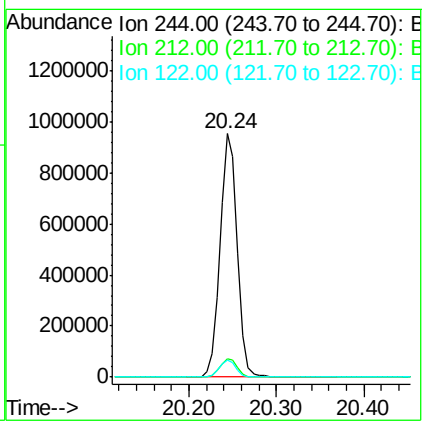


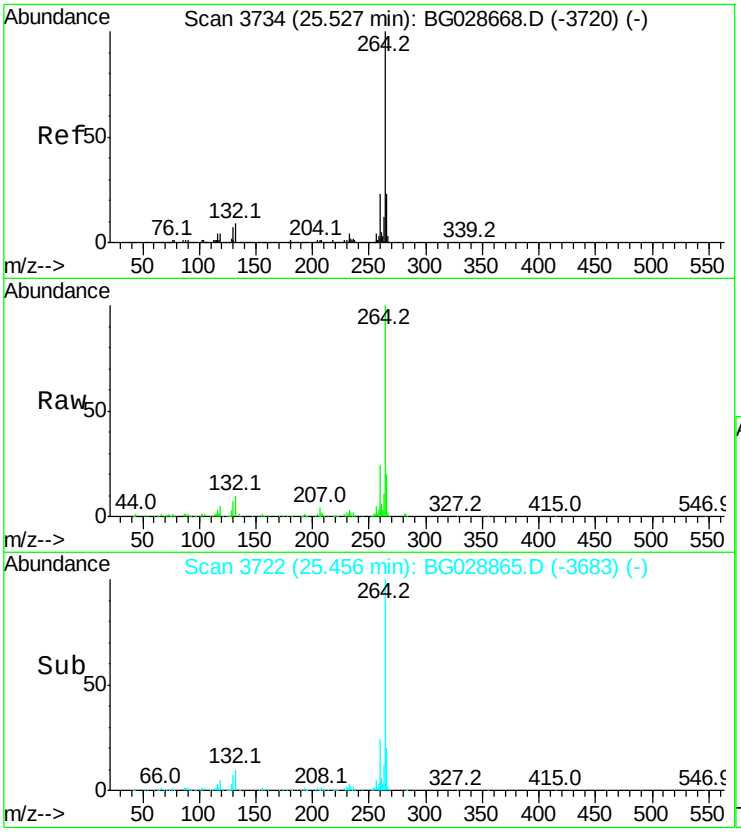




#78
Terphenyl-d14
Concen: 86.401 ng
RT: 20.24 min Scan# 2835
Delta R.T. -0.04 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

Tgt Ion:244 Resp: 1289562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 10.0 | 15.0# |
| 122 | 7.0 | 8.6 | 12.8# |






#86
Perylene-d12
Concen: 20.000 ng
RT: 25.46 min Scan# 3722
Delta R.T. -0.07 min
Lab File: BG028865.D
Acq: 21 Sep 2017 19:44

**Instrument :**
BNA_G
**ClientSampleId :**
220-1-(O-U)-COMP

Tgt Ion:264 Resp: 304512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 21.8 | 32.8 |
| 265 | 19.8 | 18.2 | 27.4 |