Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092185.D
Acq On : 4 Aug 2016 16:40
Operator : UM/SJ
Sample : H4205-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** GW-39-7.0-13.0

Quant Time: Aug 05 03:23:36 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 14442 | 5.00 | ng | 0.00 |
| 6) Naphthalene-d8 | 10.98 | 136 | 63380 | 5.00 | ng | -0.01 |
| 10) Acenaphthene-d10 | 14.83 | 164 | 32470 | 5.00 | ng | -0.02 |
| 16) Phenanthrene-d10 | 17.56 | 188 | 68004 | 5.00 | ng | -0.02 |
| 22) Chrysene-d12 | 21.75 | 240 | 82214 | 5.00 | ng | 0.00 |
| 28) Perylene-d12 | 24.14 | 264 | 89511 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.70 | 112 | 28972 | 7.81 | ng | 0.00 |
| 5) Phenol-d6 | 7.34 | 99 | 24733 | 5.01 | ng | -0.01 |
| 7) Nitrobenzene-d5 | 9.34 | 82 | 31009 | 6.20 | ng | -0.01 |
| 11) 2,4,6-Tribromophenol | 16.32 | 330 | 15274 | 14.49 | ng | -0.01 |
| 12) 2-Fluorobiphenyl | 13.46 | 172 | 65431 | 6.36 | ng | 0.00 |
| 24) Terphenyl-d14 | 20.19 | 244 | 81872 | 6.93 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 20) Anthracene | 17.70 | 178 | 1124 | 0.06 | ng | 99 |

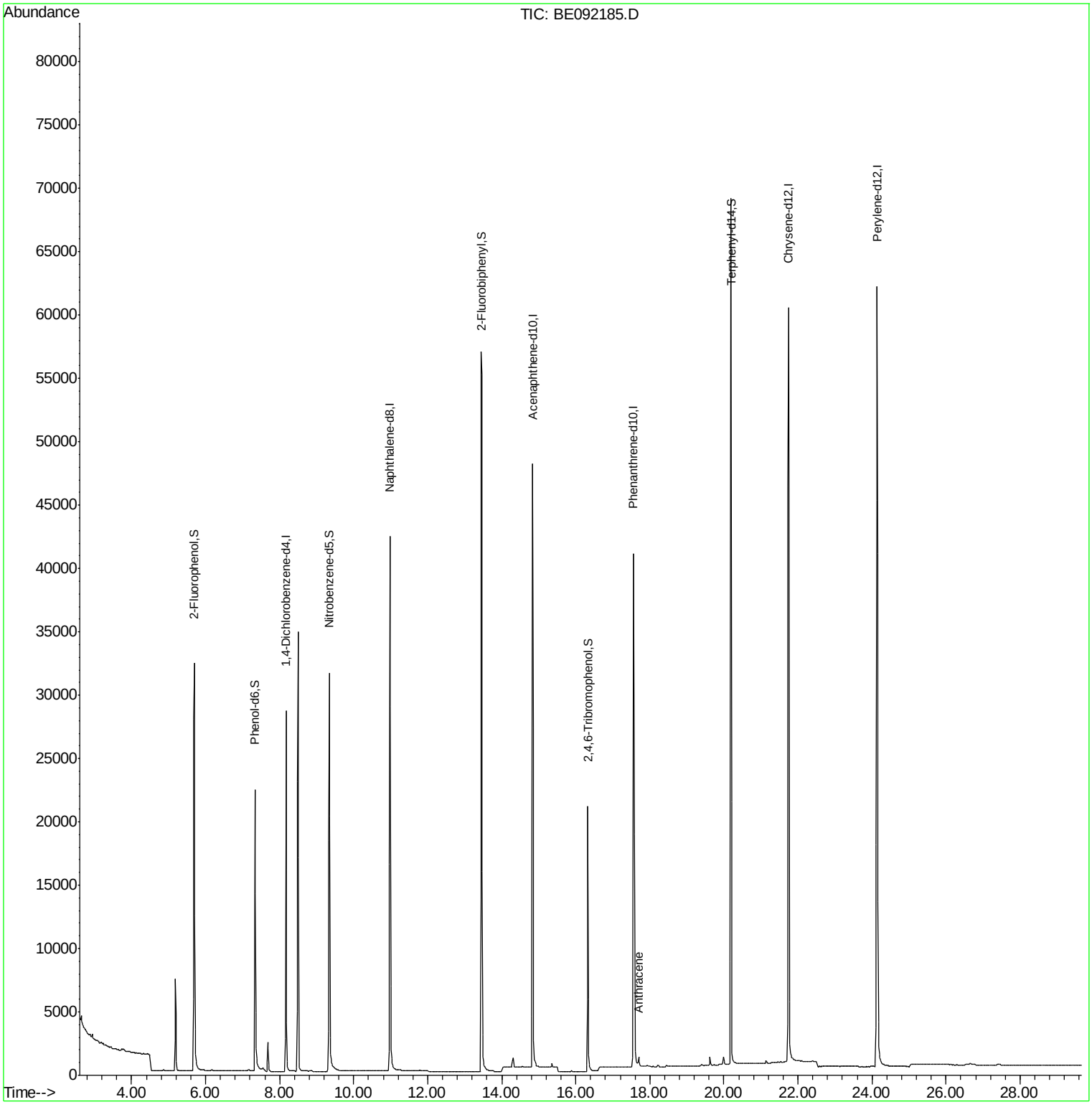
(#) = qualifier out of range (m) = manual integration (+) = signals summed

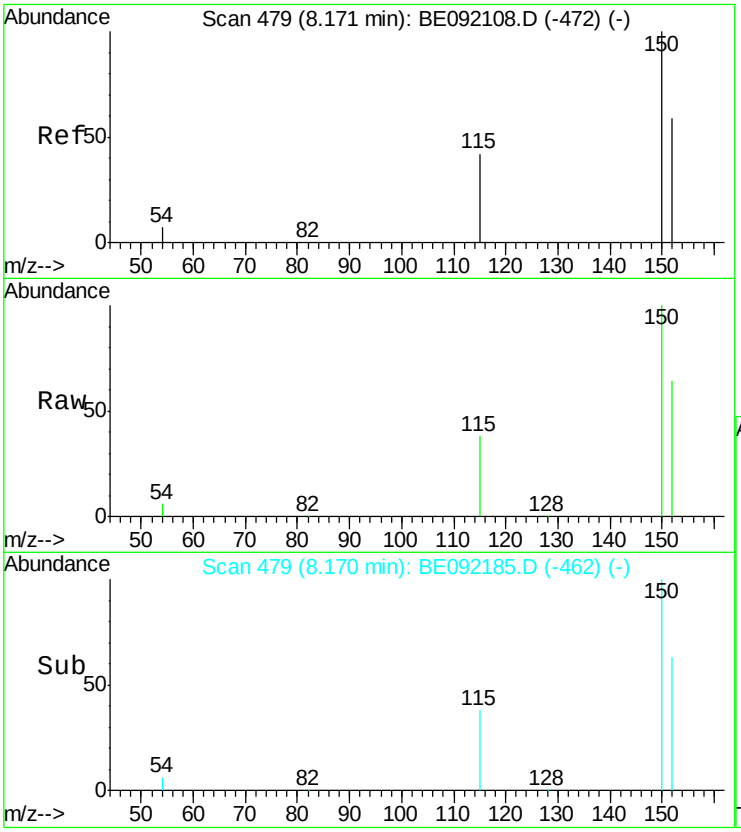
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092185.D
Acq On : 4 Aug 2016 16:40
Operator : UM/SJ
Sample : H4205-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Quant Time: Aug 05 03:23:36 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration



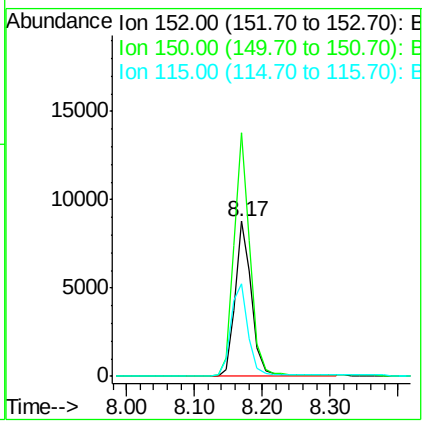


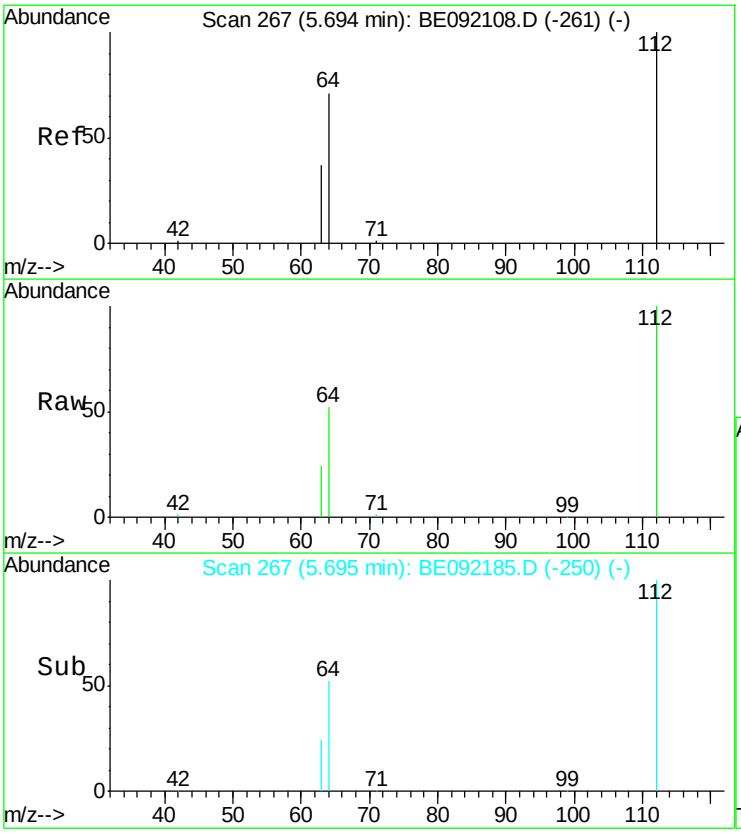

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion:152 Resp: 14442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 106.0 | 159.0 |
| 115 | 59.9 | 36.9 | 55.3# |

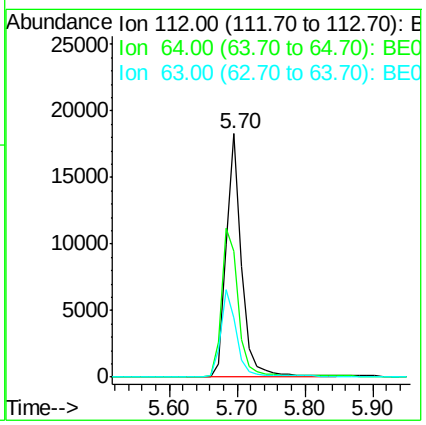


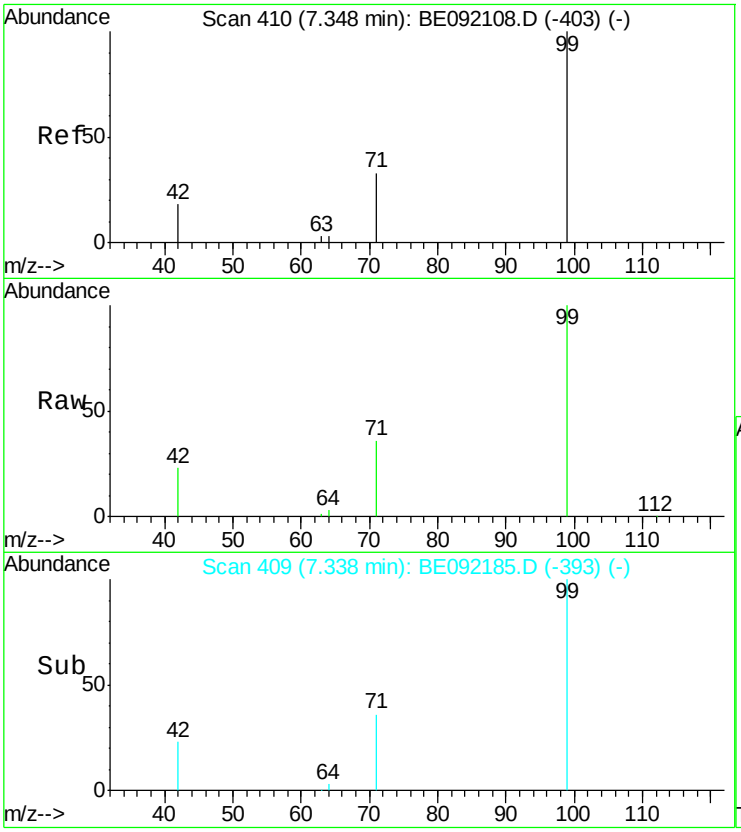




#4
2-Fluorophenol
Concen: 7.81 ng
RT: 5.70 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

Tgt Ion:112 Resp: 28972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.1 | 55.9 | 83.9 |
| 63 | 36.5 | 31.1 | 46.7 |



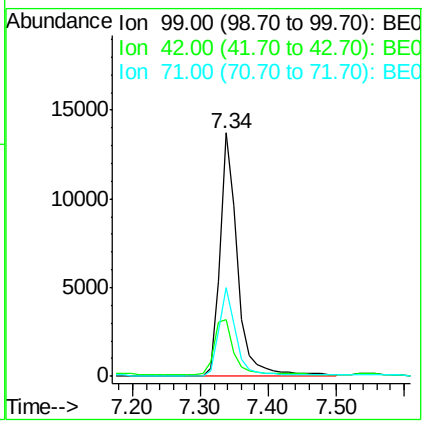


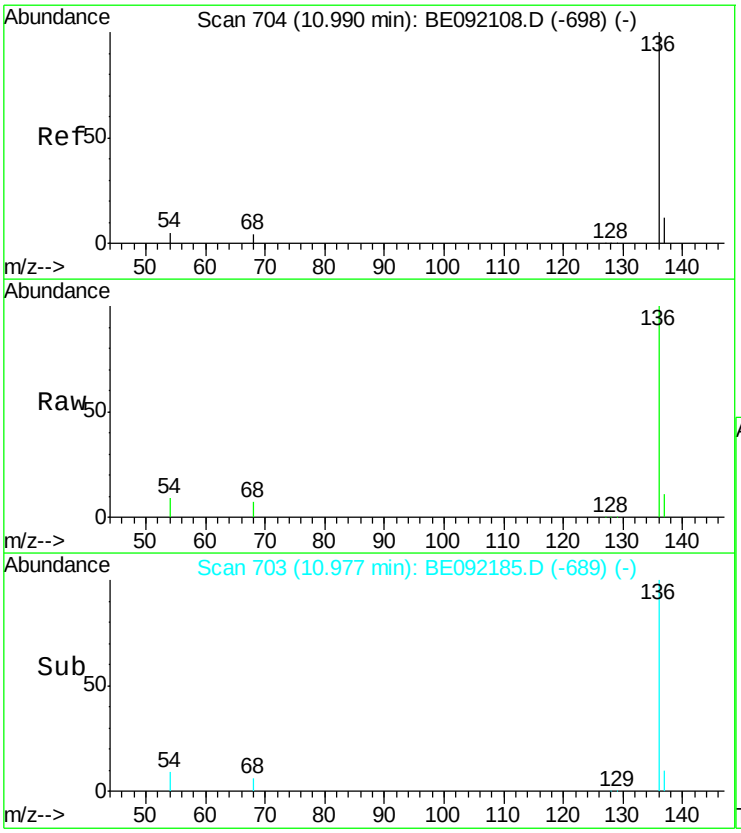

#5
Phenol-d6
Concen: 5.01 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion: 99 Resp: 24733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.1 | 22.4 | 33.6 |
| 71 | 35.5 | 28.9 | 43.3 |

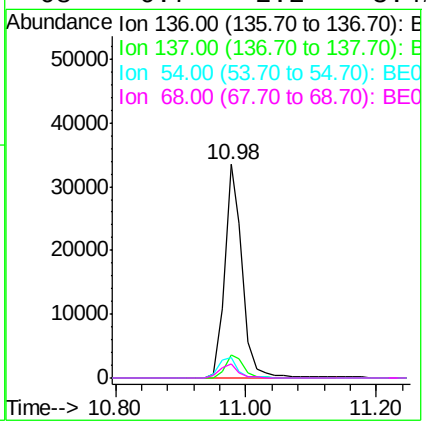


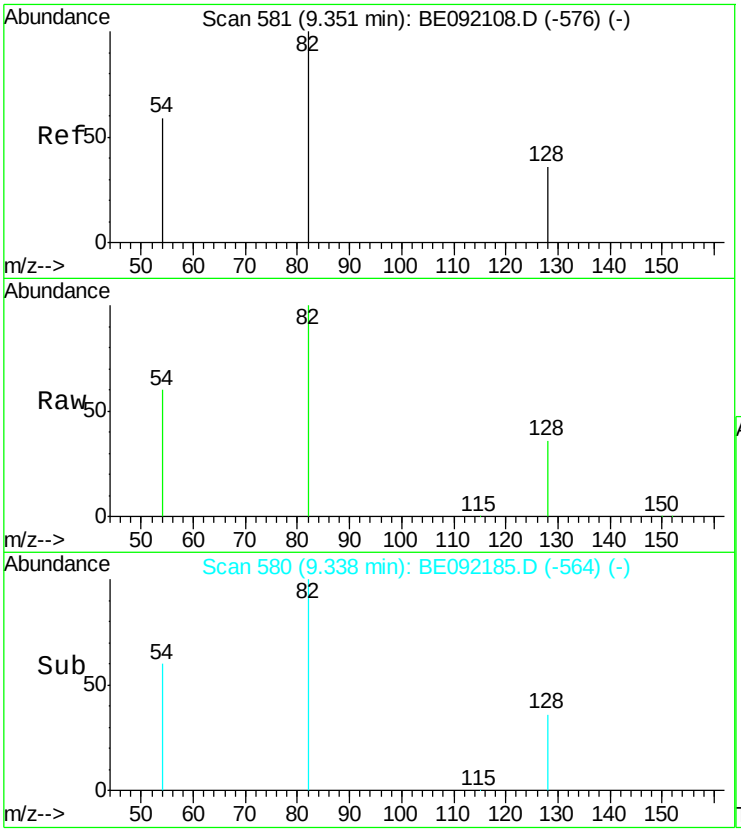




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

Tgt Ion:136 Resp: 63380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 9.1 | 13.7 |
| 54 | 9.4 | 2.7 | 4.1# |
| 68 | 6.7 | 2.2 | 3.4# |



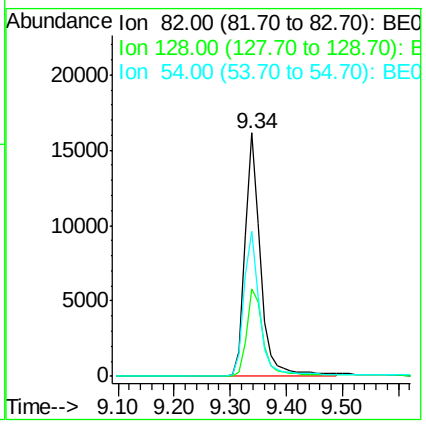


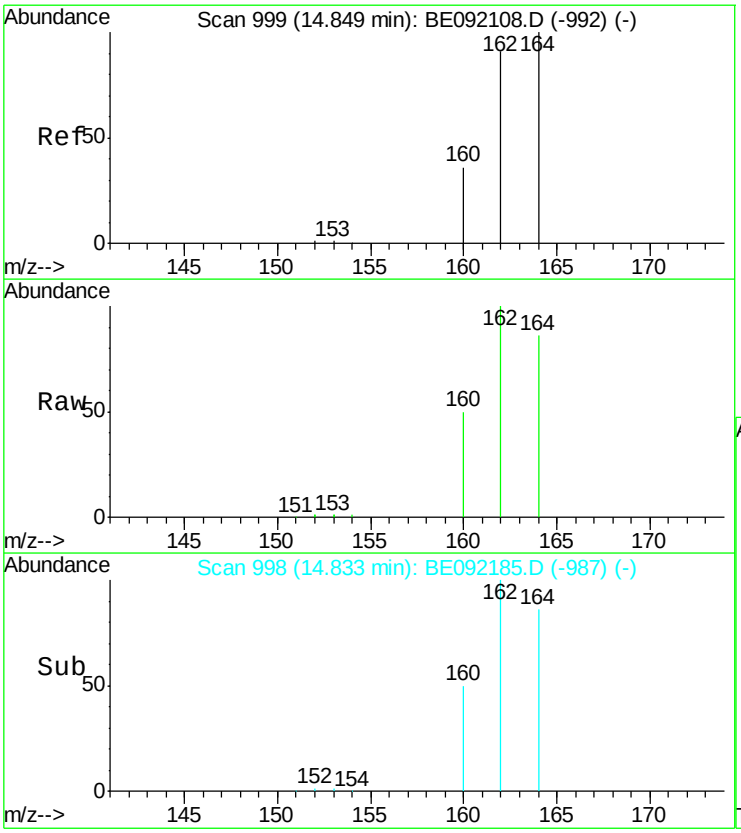

#7
Nitrobenzene-d5
Concen: 6.20 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion: 82 Resp: 31009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.0 | 33.0 | 49.4 |
| 54 | 59.7 | 42.6 | 63.8 |

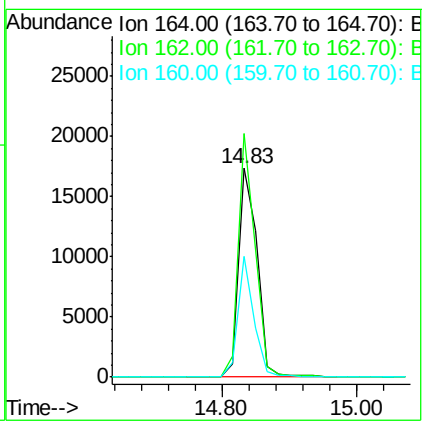


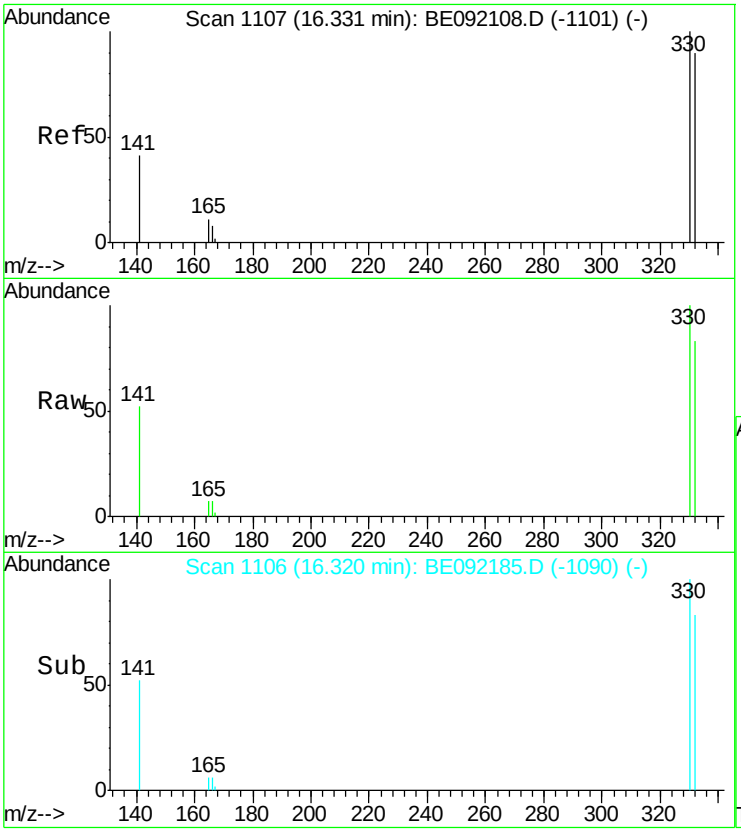




#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

Tgt Ion:164 Resp: 32470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 116.8 | 69.5 | 104.3# |
| 160 | 58.1 | 27.6 | 41.4# |



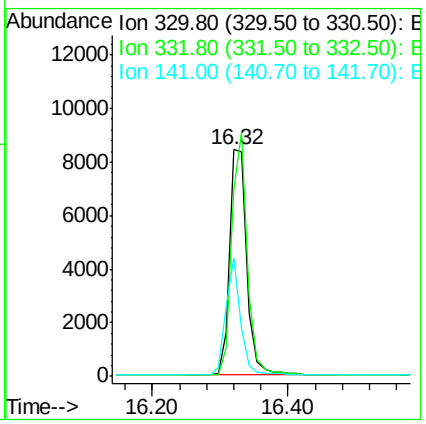


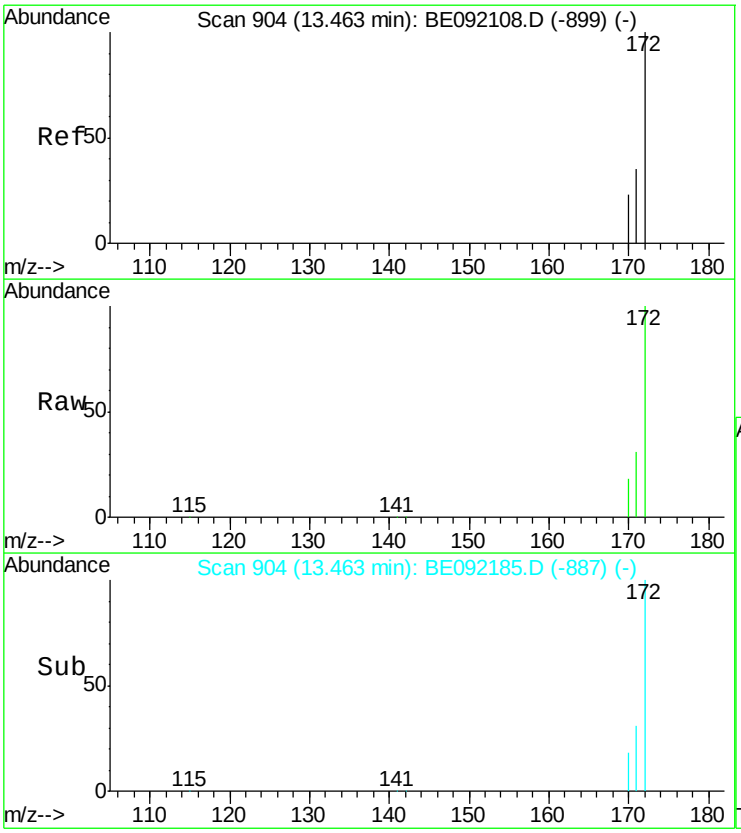

#11
2,4,6-Tribromophenol
Concen: 14.49 ng
RT: 16.32 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion:330 Resp: 15274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 74.2 | 111.4 |
| 141 | 44.0 | 139.8 | 209.8# |

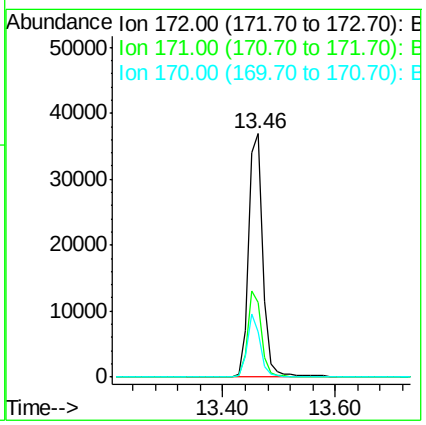


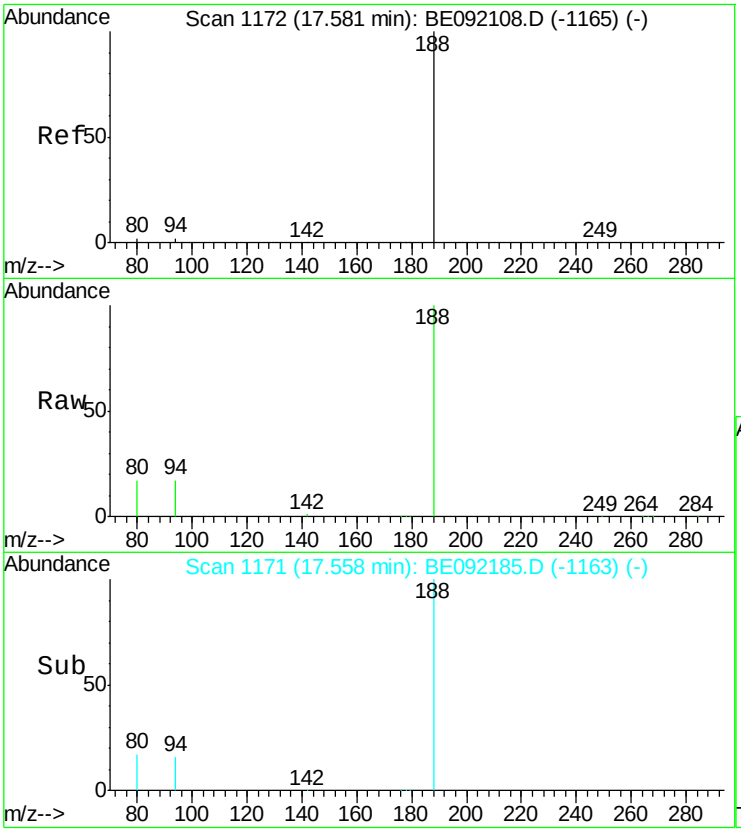




#12
2-Fluorobiphenyl
Concen: 6.36 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

Tgt Ion:172 Resp: 65431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 30.6 | 30.3 | 45.5 |
| 170 | 18.4 | 21.6 | 32.4# |



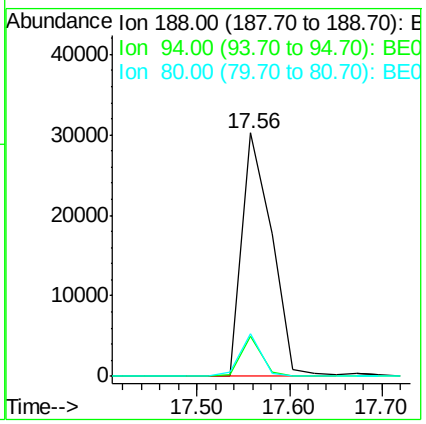


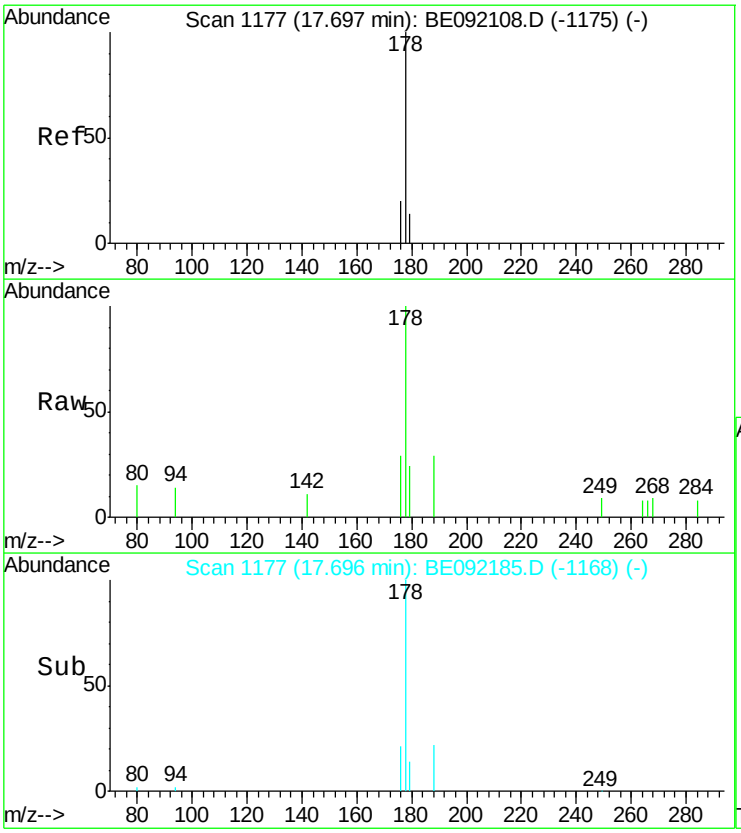

#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion:188 Resp: 68004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 16.7 | 3.9 | 5.9# |
| 80 | 17.4 | 3.4 | 5.0# |

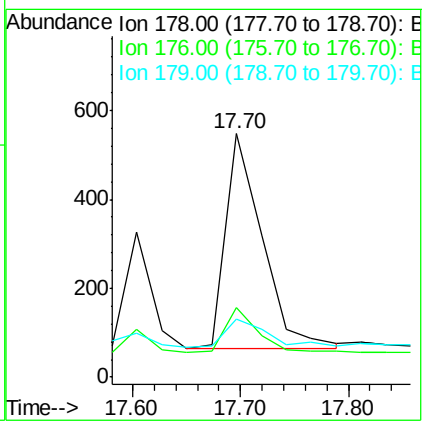


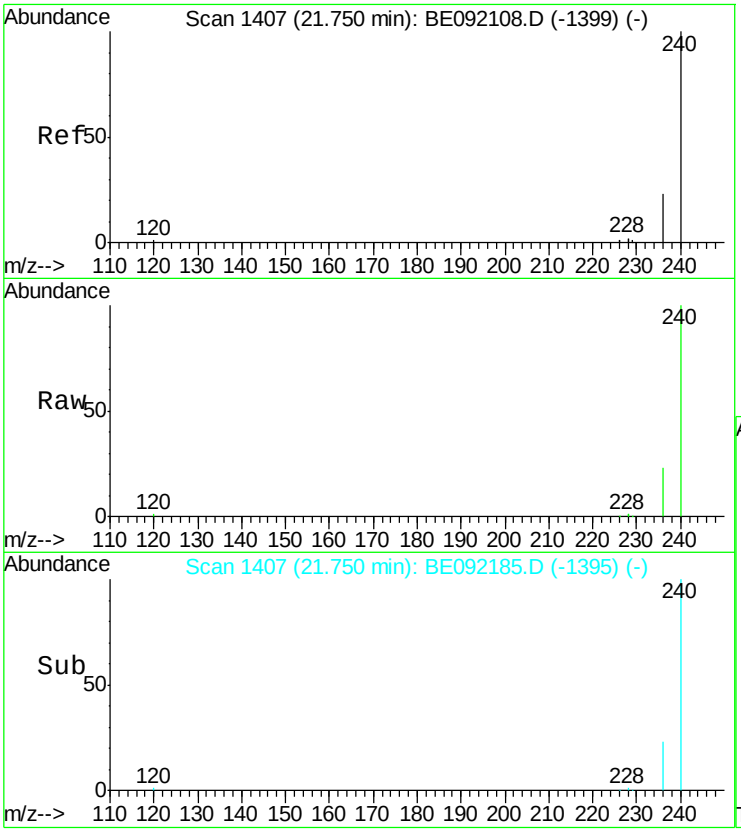




#20
Anthracene
Concen: 0.06 ng
RT: 17.70 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

Tgt Ion:178 Resp: 1124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.8 | 12.2 | 18.4 |



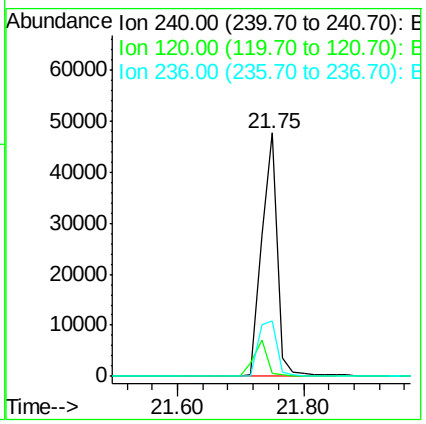


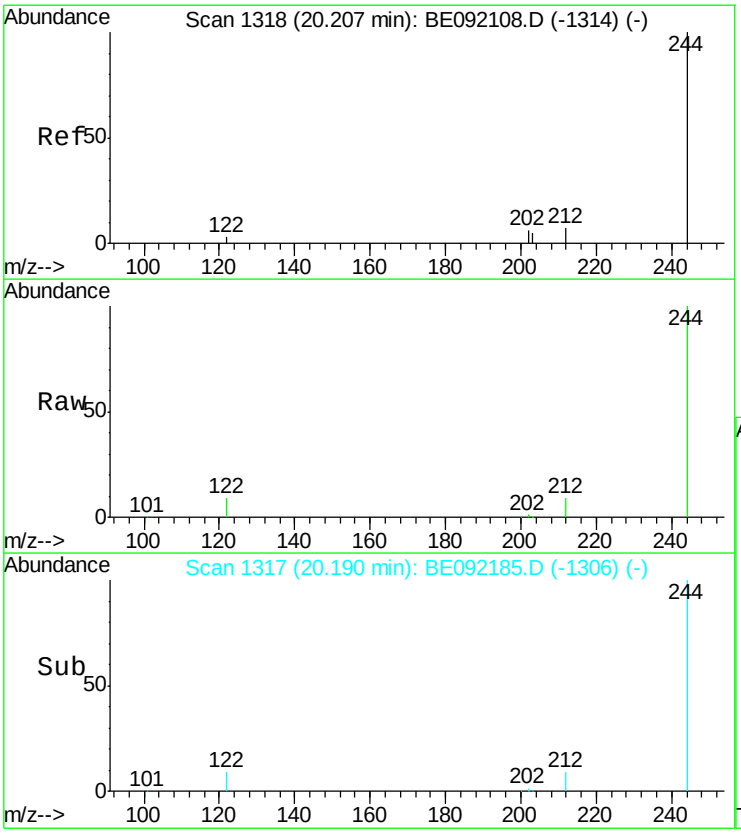

#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion:240 Resp: 82214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.4 | 0.6 | 1.0# |
| 236 | 23.0 | 18.2 | 27.4 |

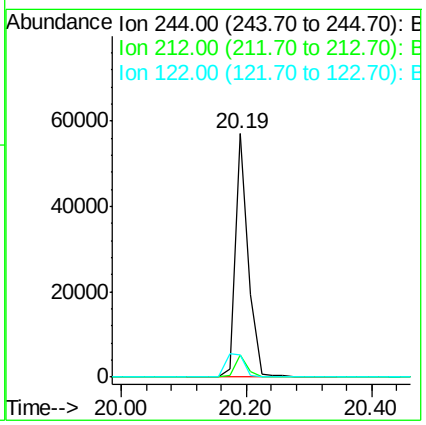


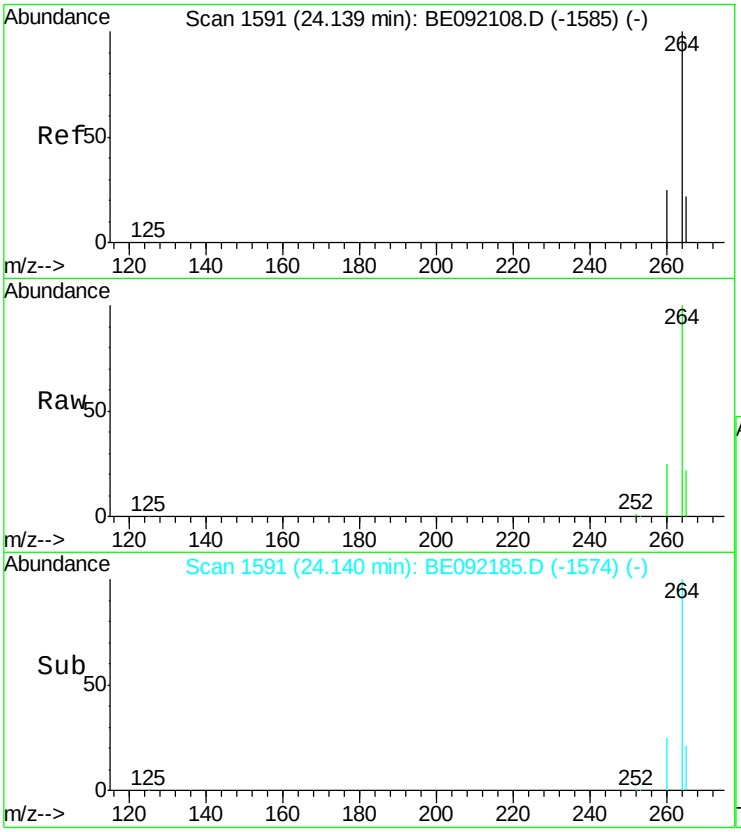




#24
Terphenyl-d14
Concen: 6.93 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

Tgt Ion:244 Resp: 81872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.2 | 9.1 | 13.7 |
| 122 | 8.9 | 11.0 | 16.4# |






#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092185.D
Acq: 4 Aug 2016 16:40

**Instrument :**
BNA_E
**ClientSampleId :**
GW-39-7.0-13.0

Tgt Ion:264 Resp: 89511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 20.8 | 31.2 |
| 265 | 21.8 | 16.6 | 25.0 |