Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
Data File : BE089845.D
Acq On : 25 Mar 2015 20:09
Operator : TP/JJ
Sample : G1575-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** RW-9V

Quant Time: Mar 26 06:39:23 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 25 16:20:31 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.50 | 152 | 227823 | 5.00 | ng | 0.00 |
| 4) Naphthalene-d8 | 10.26 | 136 | 901077 | 5.00 | ng | 0.00 |
| 8) Acenaphthene-d10 | 14.39 | 164 | 386624 | 5.00 | ng | 0.00 |
| 13) Phenanthrene-d10 | 17.93 | 188 | 653967 | 5.00 | ng | 0.00 |
| 19) Chrysene-d12 | 24.27 | 240 | 628367 | 5.00 | ng | 0.00 |
| 25) Perylene-d12 | 27.42 | 264 | 582910 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) Nitrobenzene-d5 | 8.68 | 82 | 508753 | 7.76 | ng | 0.00 |
| 9) 2-Fluorobiphenyl | 12.86 | 172 | 781035 | 8.63 | ng | 0.00 |
| 21) Terphenyl-d14 | 21.87 | 244 | 854932 | 9.22 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 16) Phenanthrene | 17.98 | 178 | 4720 | 0.03 | ng | # 91 |
| 18) Fluoranthene | 20.83 | 202 | 4059 | 0.03 | ng | # 7 |

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

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**Instrument :**
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RW-9V

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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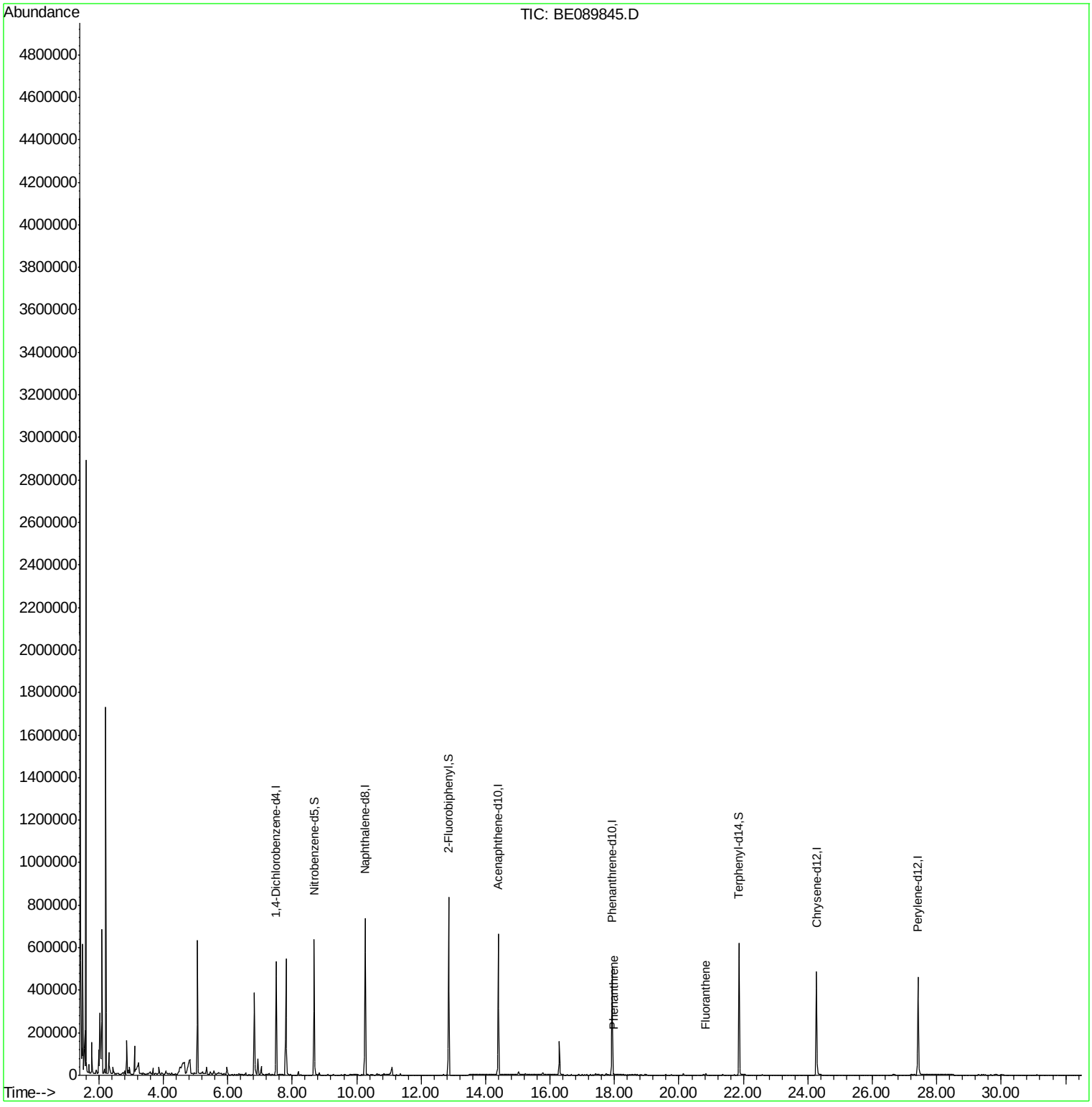
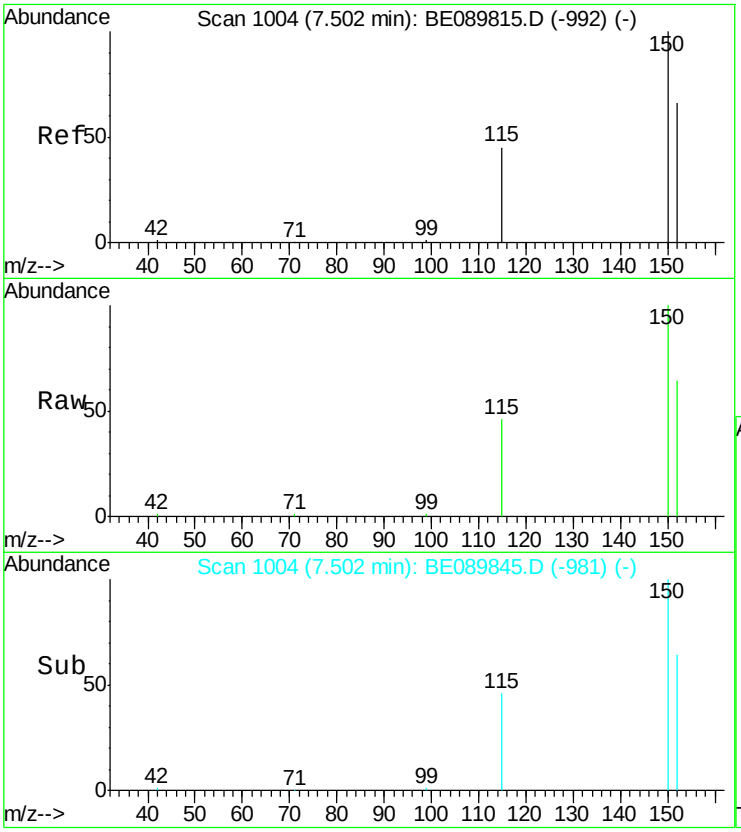


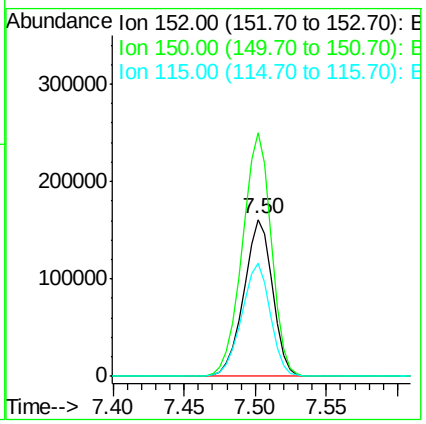


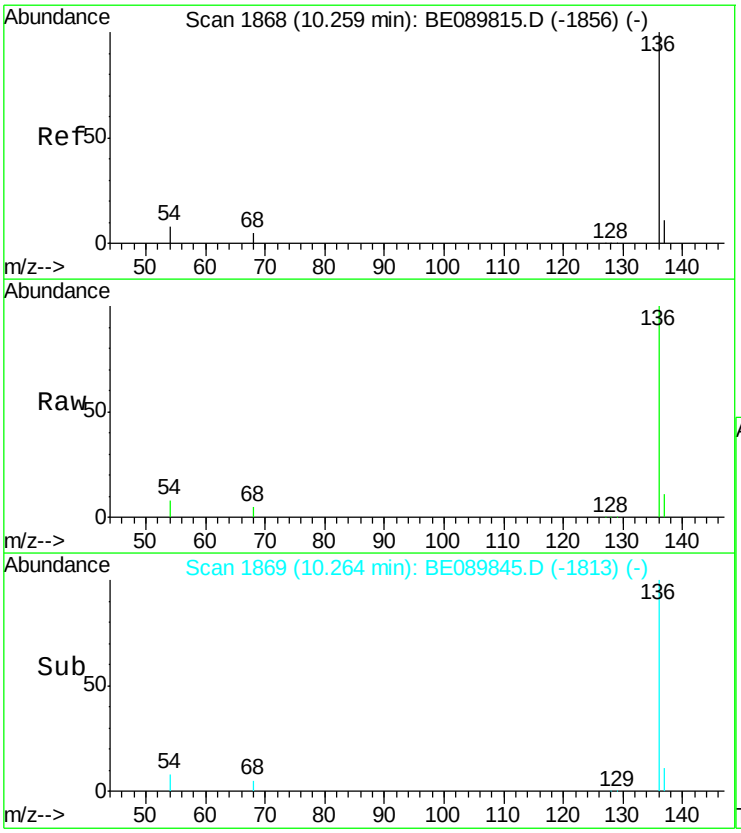

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.50 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

**Instrument :**
BNA_E
**ClientSampleId :**
RW-9V

Tgt Ion:152 Resp: 227823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 125.5 | 188.3 |
| 115 | 72.2 | 58.0 | 87.0 |

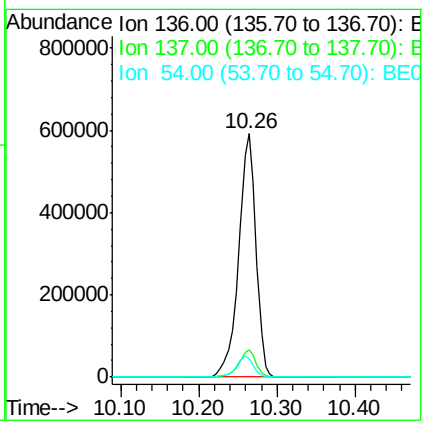


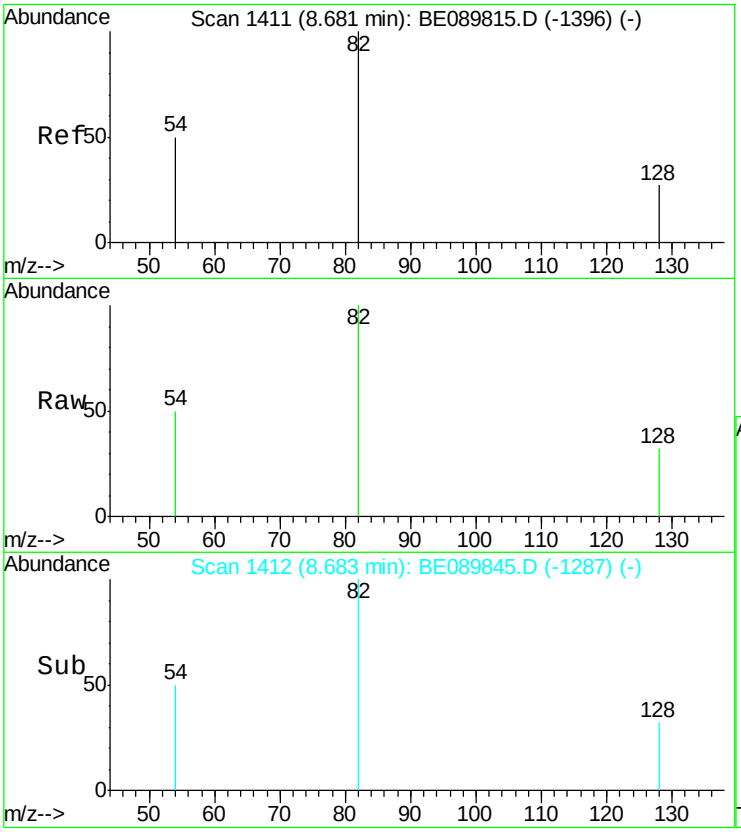




#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1869
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

Tgt Ion:136 Resp: 901077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.8 | 13.2 |
| 54 | 7.8 | 7.0 | 10.4 |



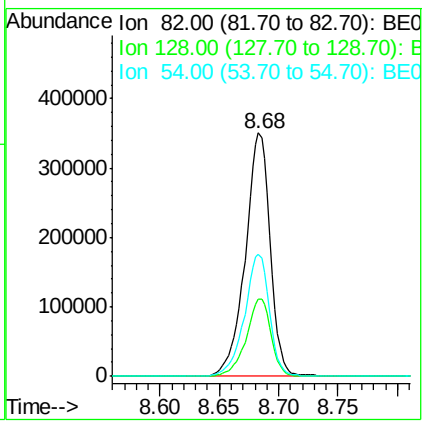


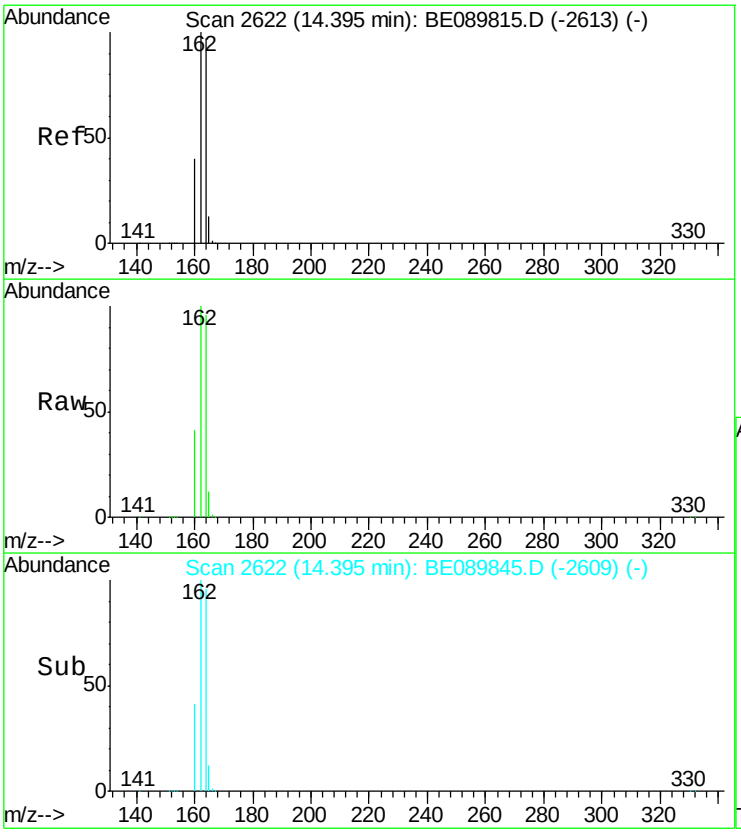

#5
Nitrobenzene-d5
Concen: 7.76 ng
RT: 8.68 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

**Instrument :**
BNA_E
**ClientSampleId :**
RW-9V

Tgt Ion: 82 Resp: 508753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 31.8 | 24.6 | 37.0 |
| 54 | 50.4 | 43.0 | 64.6 |

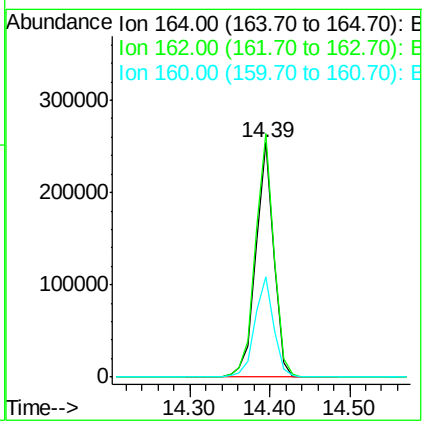


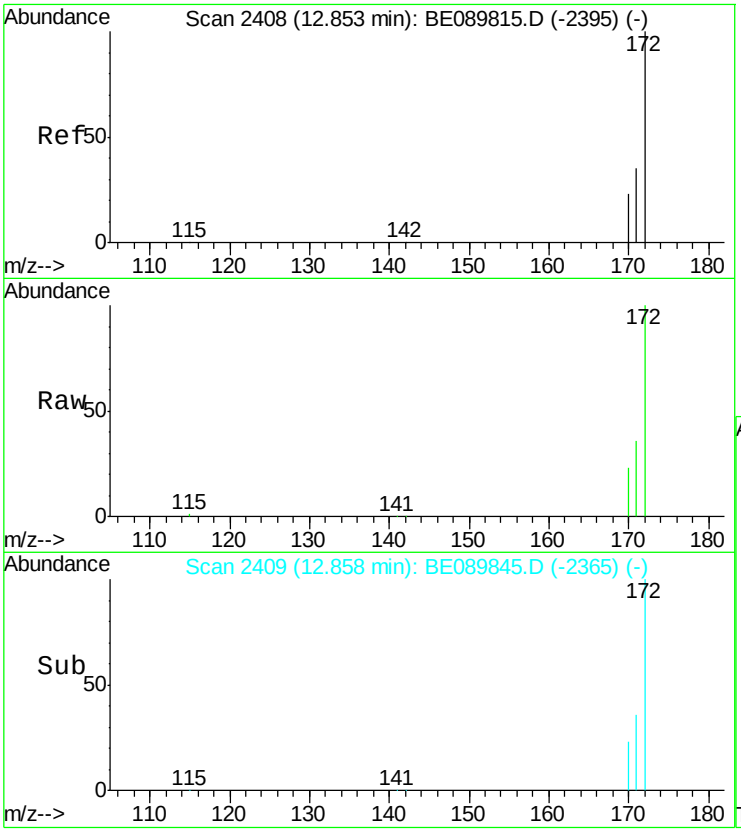




#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.39 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

Tgt Ion:164 Resp: 386624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 87.6 | 131.4 |
| 160 | 42.8 | 36.7 | 55.1 |



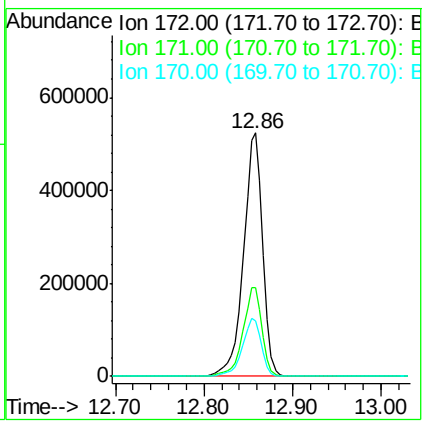


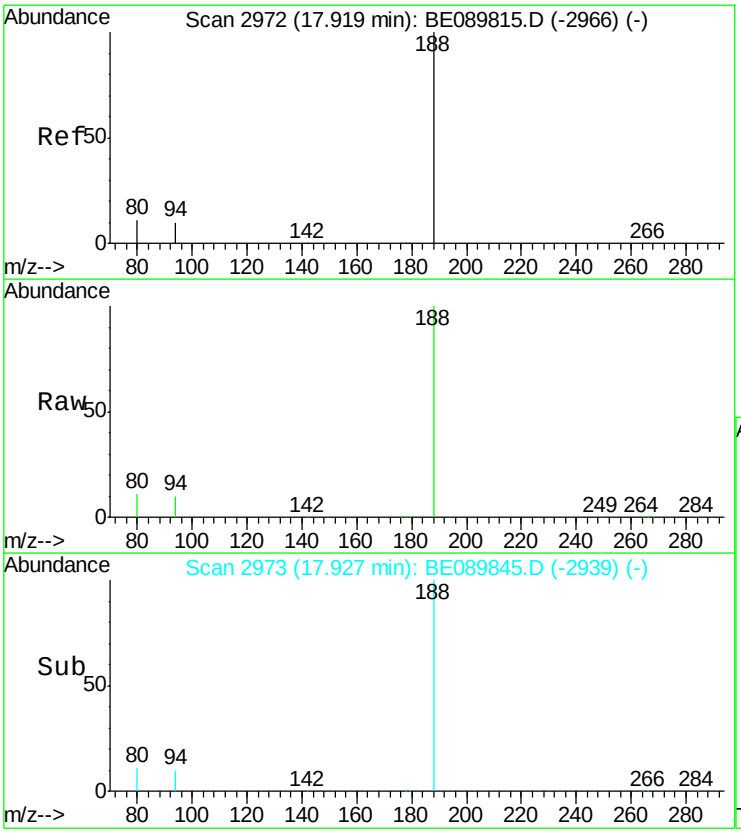

#9
2-Fluorobiphenyl
Concen: 8.63 ng
RT: 12.86 min Scan# 2409
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

**Instrument :**
BNA_E
**ClientSampleId :**
RW-9V

Tgt Ion:172 Resp: 781035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 30.8 | 46.2 |
| 170 | 22.9 | 21.0 | 31.4 |

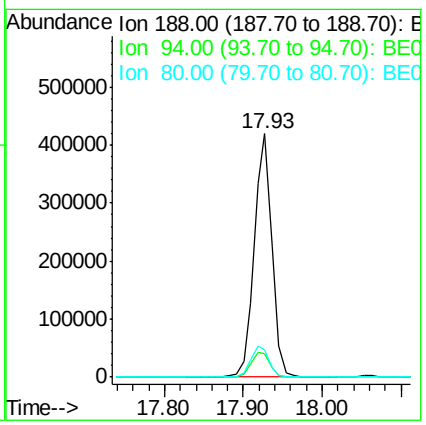


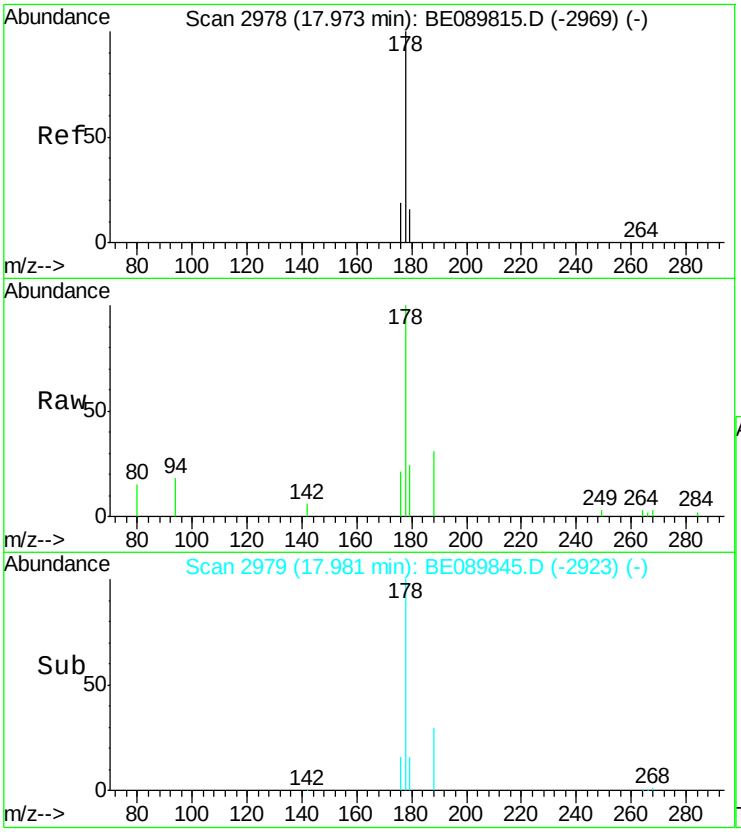




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2973
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

Tgt Ion:188 Resp: 653967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.5 | 12.7 |
| 80 | 11.1 | 10.0 | 15.0 |



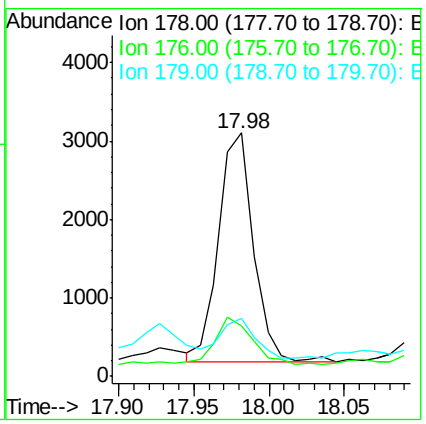


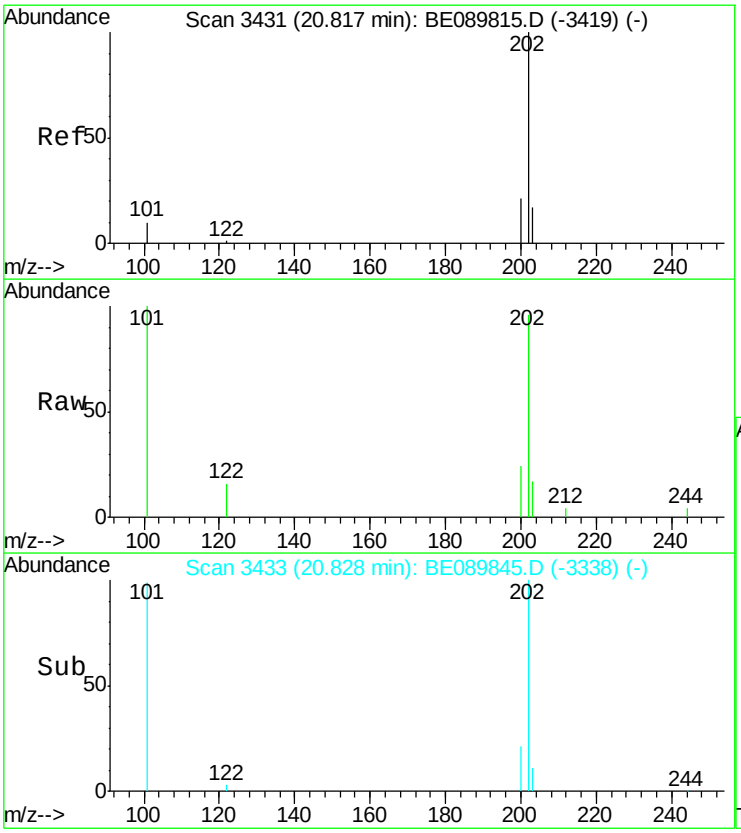

#16
Phenanthrene
Concen: 0.03 ng
RT: 17.98 min Scan# 2979
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

**Instrument :**
BNA_E
**ClientSampleId :**
RW-9V

Tgt Ion:178 Resp: 4720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 25.0 | 15.4 | 23.0# |
| 179 | 16.8 | 12.2 | 18.4 |

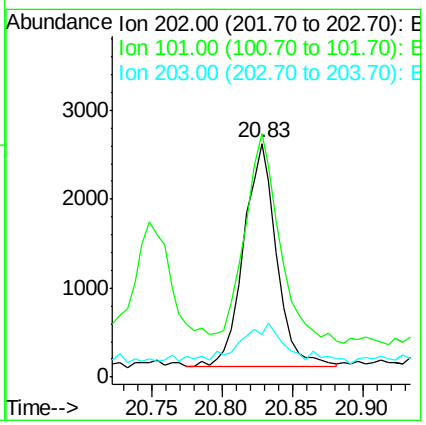


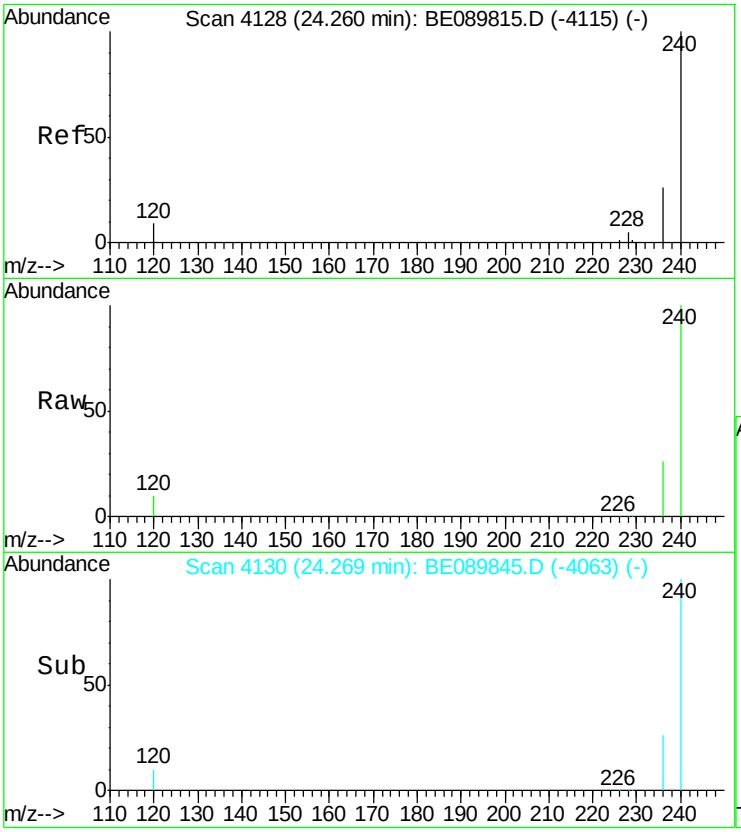




#18
Fluoranthene
Concen: 0.03 ng
RT: 20.83 min Scan# 3433
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

Tgt Ion:202 Resp: 4059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 102.6 | 8.2 | 12.2# |
| 203 | 19.3 | 14.2 | 21.4 |



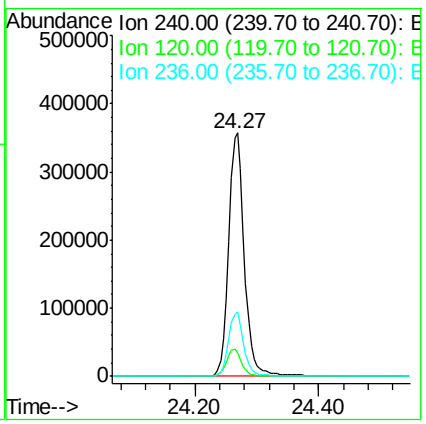


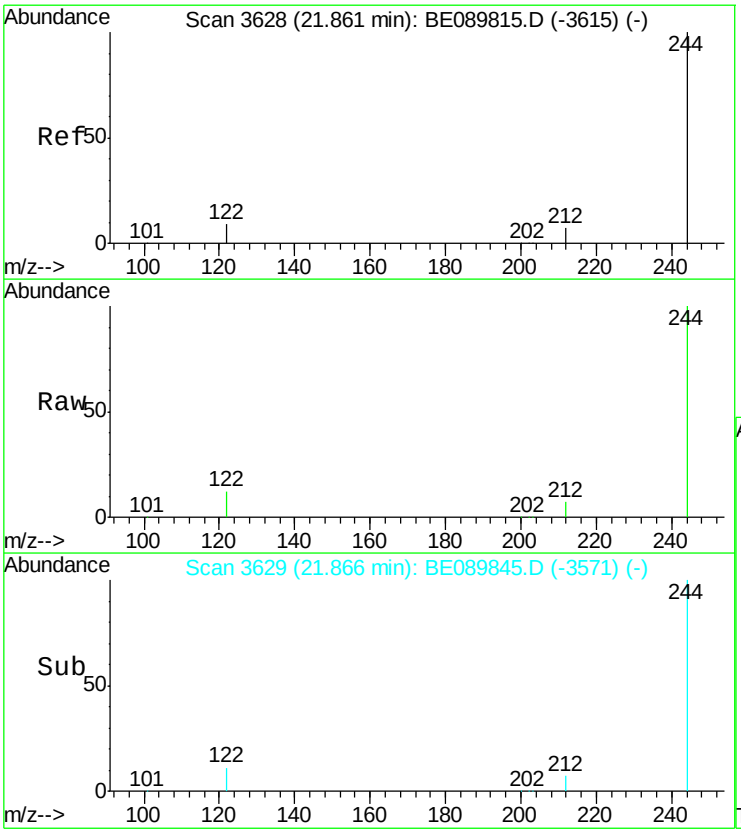

#19
Chrysene-d12
Concen: 5.00 ng
RT: 24.27 min Scan# 4130
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

**Instrument :**
BNA_E
**ClientSampleId :**
RW-9V

Tgt Ion:240 Resp: 628367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 7.5 | 11.3 |
| 236 | 26.2 | 20.5 | 30.7 |

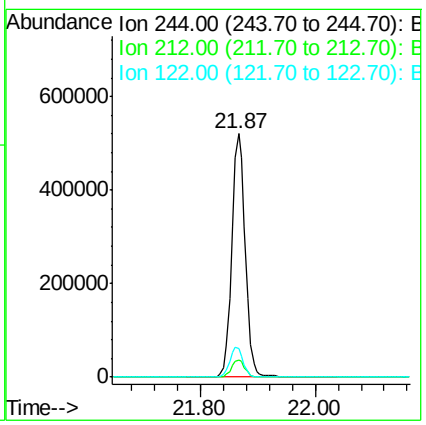


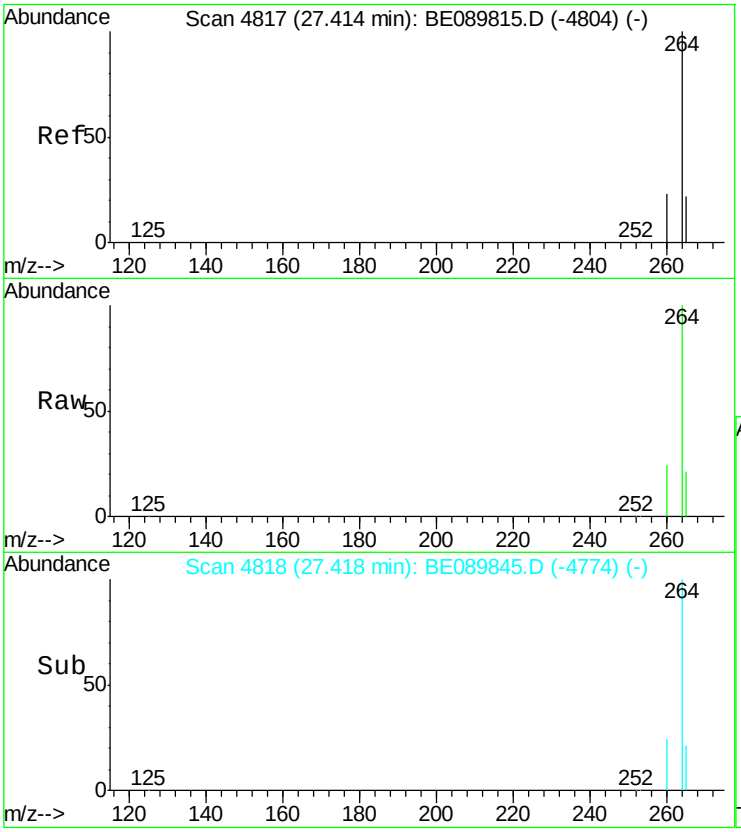




#21
Terphenyl-d14
Concen: 9.22 ng
RT: 21.87 min Scan# 3629
Delta R.T. 0.01 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

Tgt Ion:244 Resp: 854932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 7.3 | 10.9# |
| 122 | 11.6 | 10.5 | 15.7 |






#25
Perylene-d12
Concen: 5.00 ng
RT: 27.42 min Scan# 4818
Delta R.T. 0.00 min
Lab File: BE089845.D
Acq: 25 Mar 2015 20:09

**Instrument :**
BNA_E
**ClientSampleId :**
RW-9V

Tgt Ion:264 Resp: 582910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 18.2 | 27.2 |
| 265 | 21.3 | 17.3 | 25.9 |