Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089831.D
Acq On : 25 Mar 2015 4:15
Operator : TP/JJ
Sample : G1575-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Mar 25 17:18:02 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 | 208412 | 5.00 | ng | 0.00 |
| 4) Naphthalene-d8 | 10.26 | 136 | 843098 | 5.00 | ng | 0.00 |
| 8) Acenaphthene-d10 | 14.39 | 164 | 381522 | 5.00 | ng | 0.00 |
| 13) Phenanthrene-d10 | 17.93 | 188 | 682772 | 5.00 | ng | 0.00 |
| 19) Chrysene-d12 | 24.26 | 240 | 670968 | 5.00 | ng | 0.00 |
| 25) Perylene-d12 | 27.42 | 264 | 629295 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) Nitrobenzene-d5 | 8.68 | 82 | 454228 | 7.42 | ng | 0.00 |
| 9) 2-Fluorobiphenyl | 12.85 | 172 | 753682 | 8.44 | ng | 0.00 |
| 21) Terphenyl-d14 | 21.87 | 244 | 913677 | 9.23 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 16) Phenanthrene | 17.97 | 178 | 4739 | 0.03 | ng | # 94 |

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

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Operator : TP/JJ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 25 16:20:31 2015
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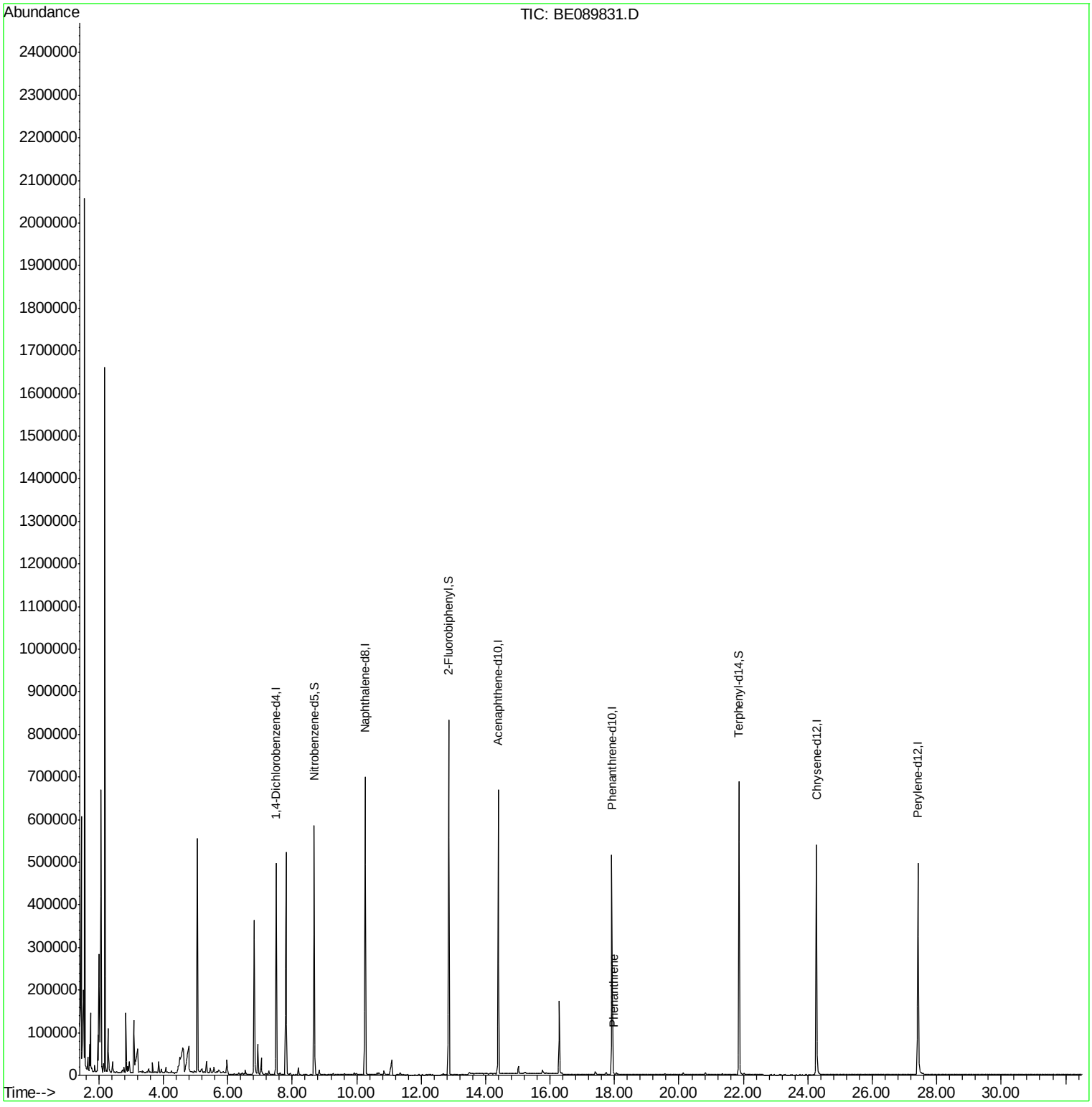
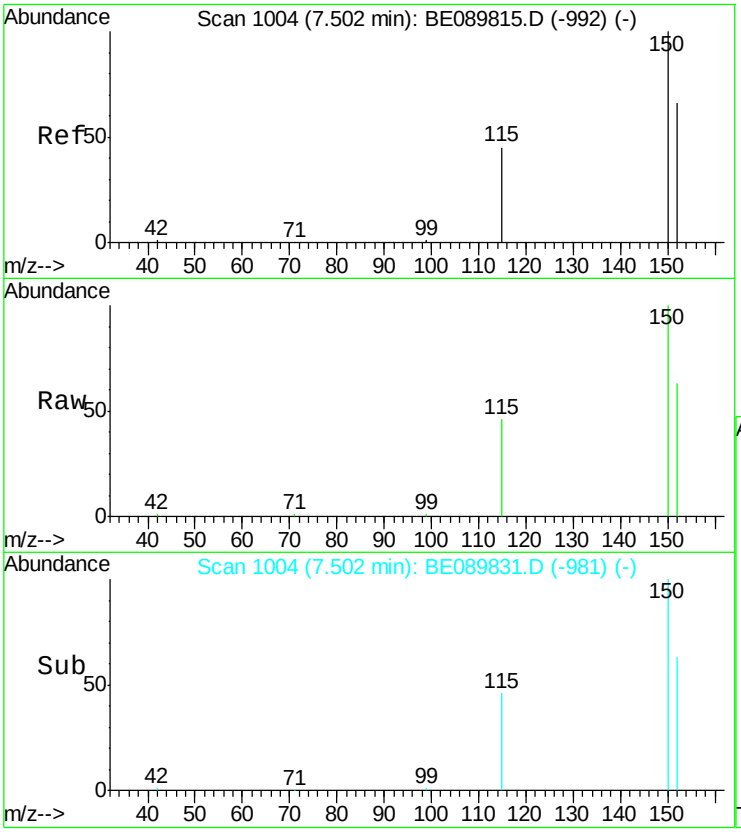


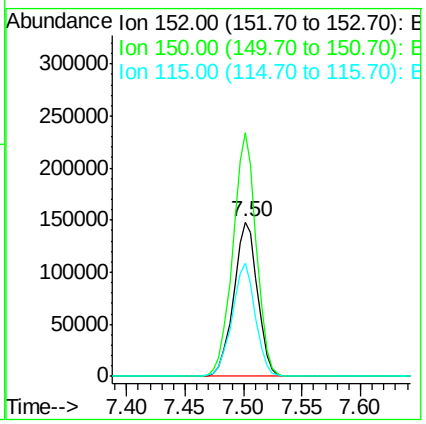


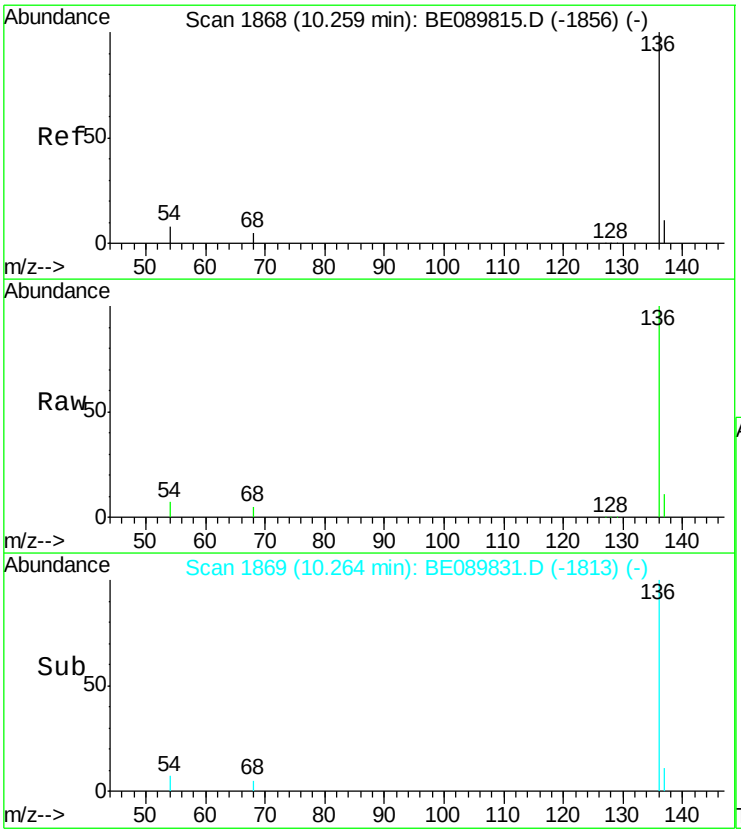

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.50 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

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

Tgt Ion:152 Resp: 208412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 125.5 | 188.3 |
| 115 | 72.9 | 58.0 | 87.0 |

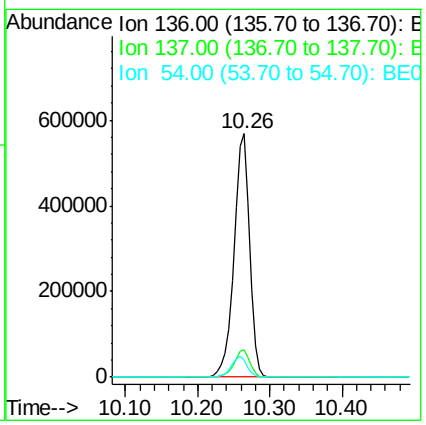


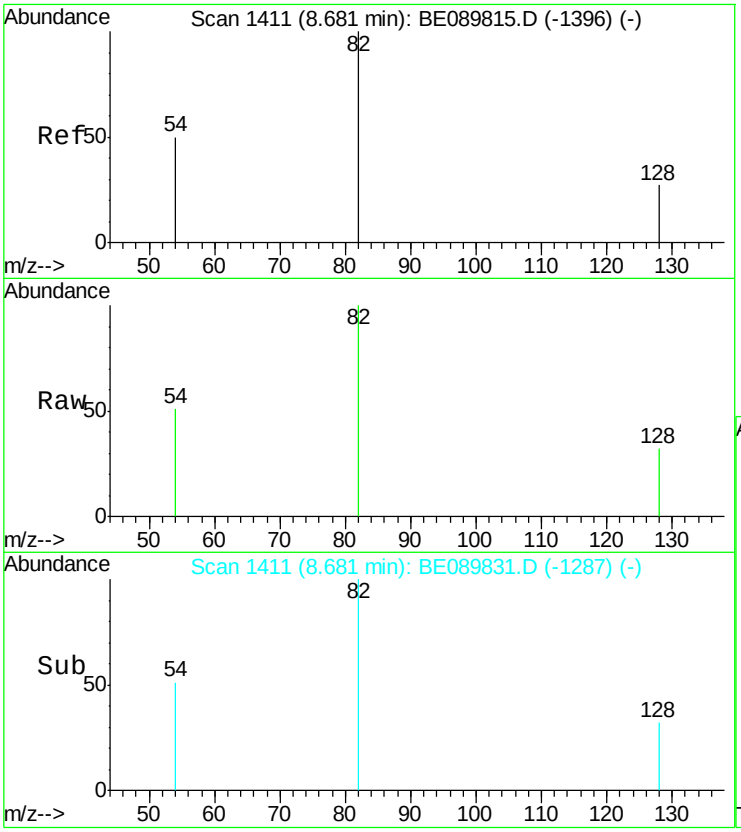




#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1869
Delta R.T. 0.01 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

Tgt Ion:136 Resp: 843098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.0 | 7.0 | 10.4 |



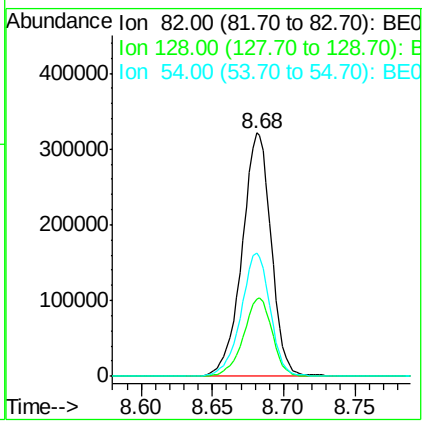


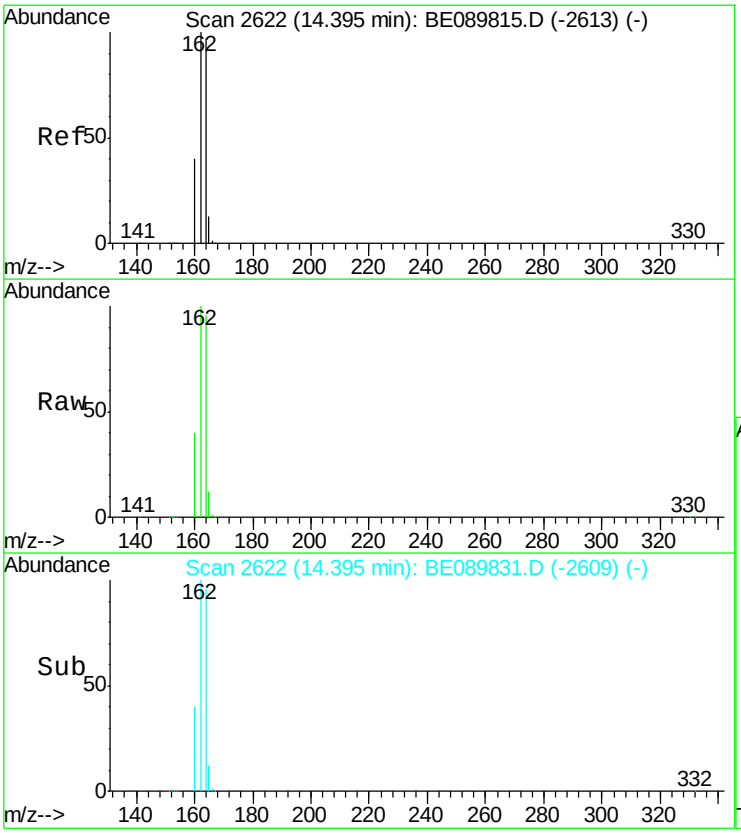

#5
Nitrobenzene-d5
Concen: 7.42 ng
RT: 8.68 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

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

Tgt Ion: 82 Resp: 454228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 31.8 | 24.6 | 37.0 |
| 54 | 50.8 | 43.0 | 64.6 |

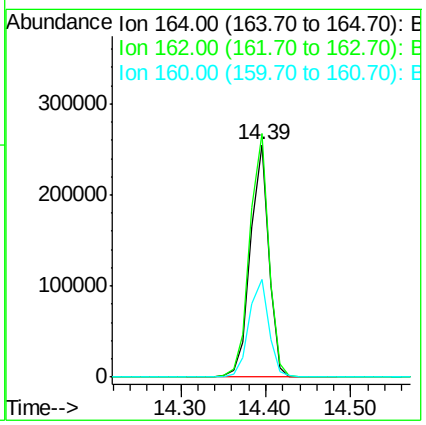


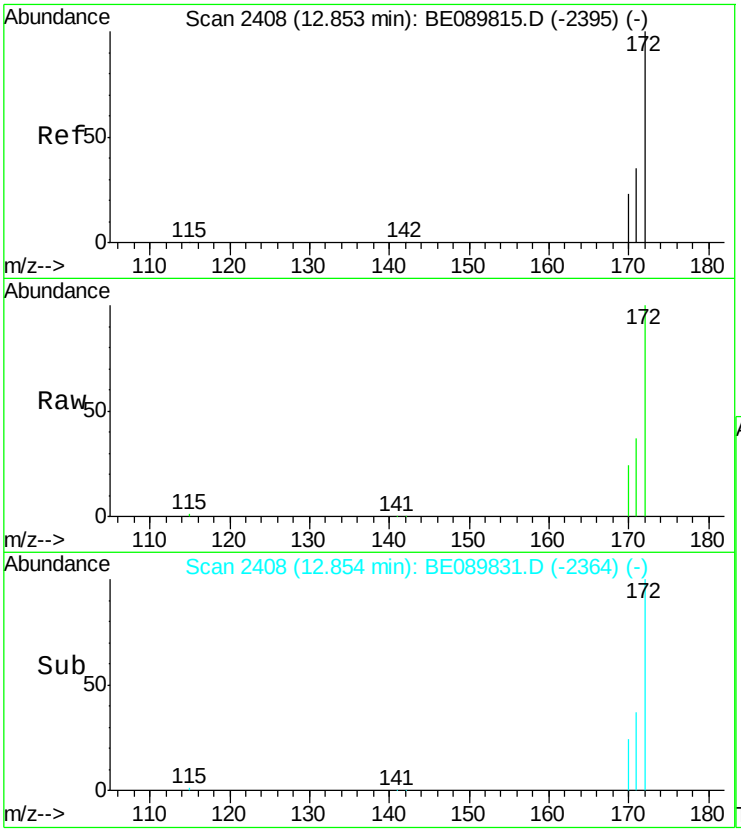




#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.39 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

Tgt Ion:164 Resp: 381522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.6 | 87.6 | 131.4 |
| 160 | 42.2 | 36.7 | 55.1 |



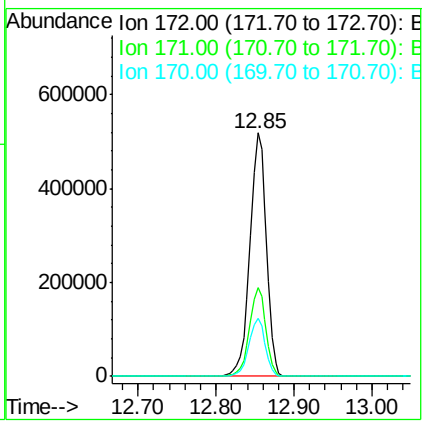


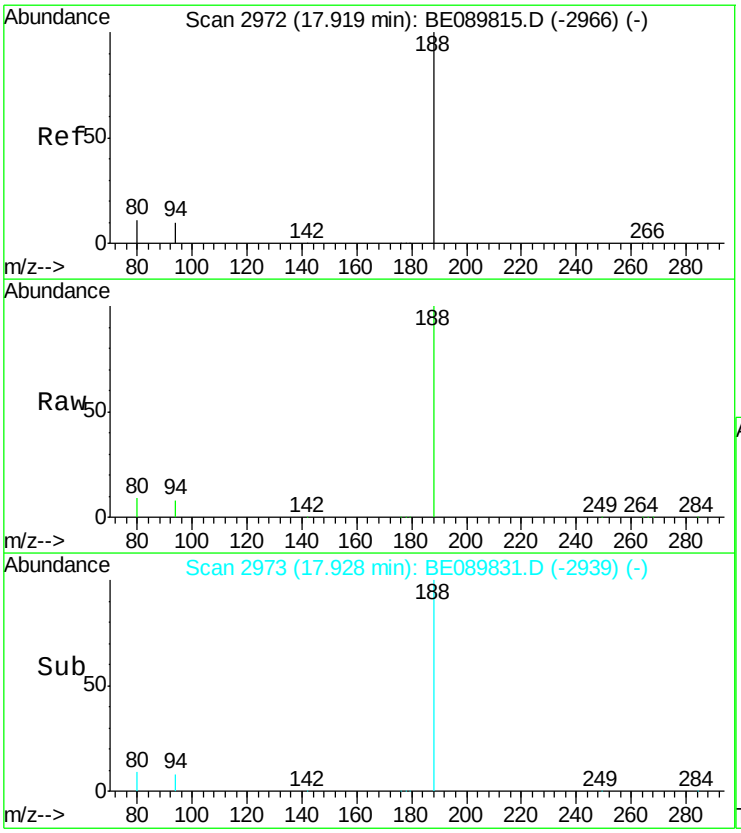

#9
2-Fluorobiphenyl
Concen: 8.44 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

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

Tgt Ion:172 Resp: 753682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 30.8 | 46.2 |
| 170 | 23.7 | 21.0 | 31.4 |

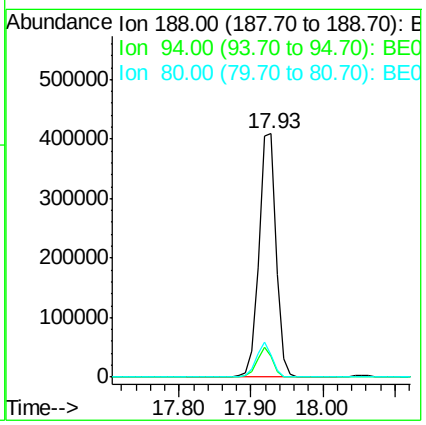


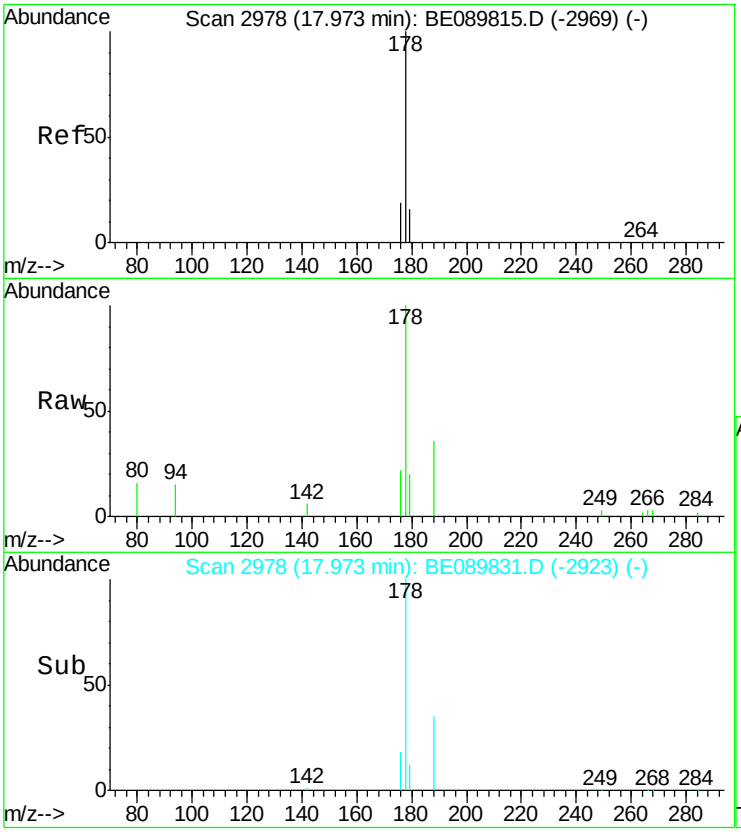




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2973
Delta R.T. 0.01 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

Tgt Ion:188 Resp: 682772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 8.5 | 12.7# |
| 80 | 9.4 | 10.0 | 15.0# |



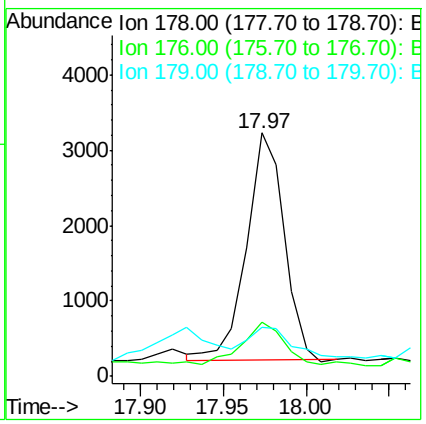


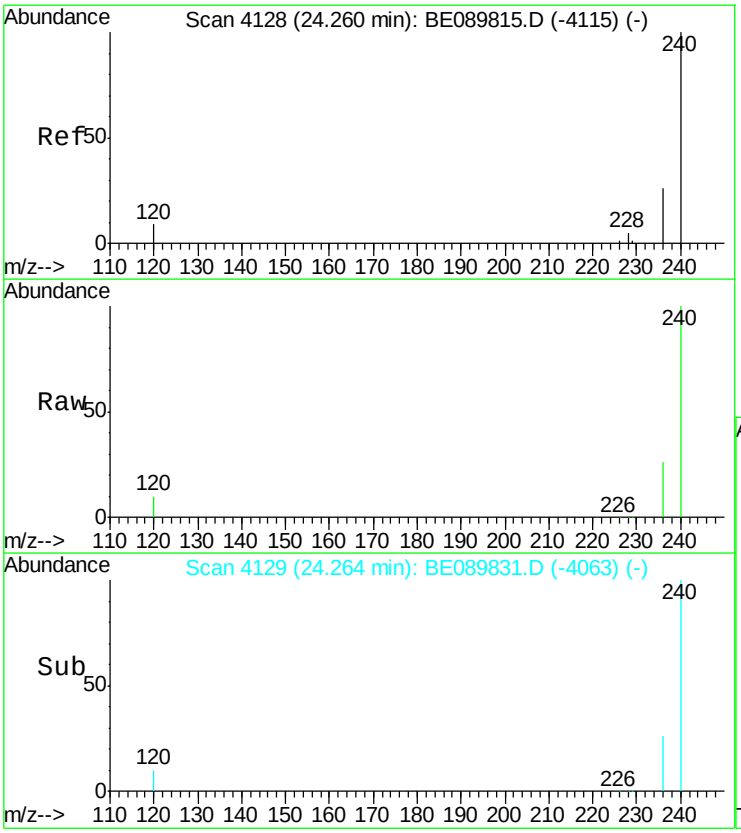

#16
Phenanthrene
Concen: 0.03 ng
RT: 17.97 min Scan# 2978
Delta R.T. -0.00 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

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

Tgt Ion:178 Resp: 4739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 23.6 | 15.4 | 23.0# |
| 179 | 15.9 | 12.2 | 18.4 |

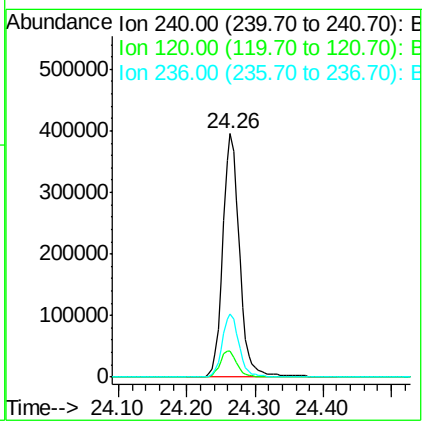


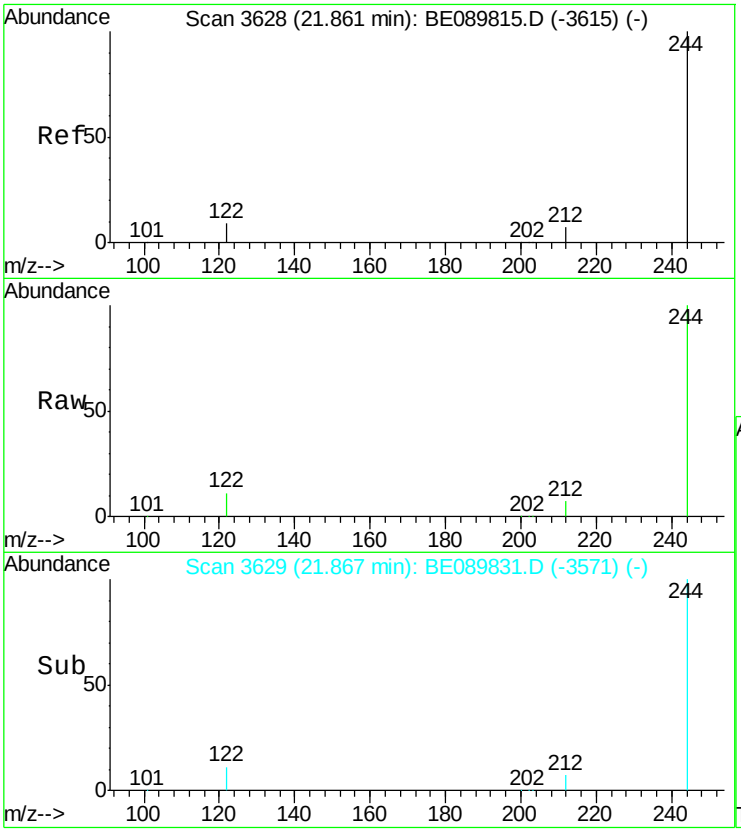




#19
Chrysene-d12
Concen: 5.00 ng
RT: 24.26 min Scan# 4129
Delta R.T. 0.00 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

Tgt Ion:240 Resp: 670968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 7.5 | 11.3 |
| 236 | 26.0 | 20.5 | 30.7 |



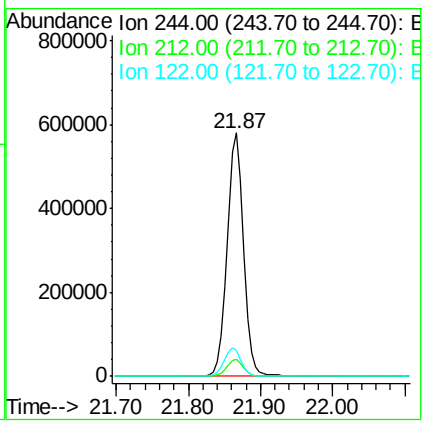


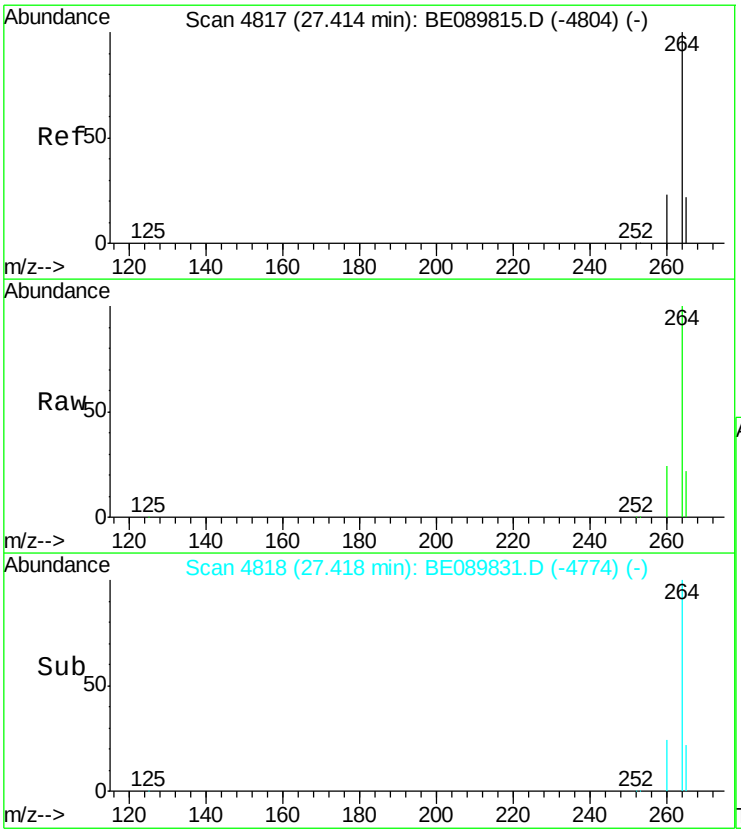

#21
Terphenyl-d14
Concen: 9.23 ng
RT: 21.87 min Scan# 3629
Delta R.T. 0.01 min
Lab File: BE089831.D
Acq: 25 Mar 2015 4:15

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

Tgt Ion:244 Resp: 913677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 7.3 | 10.9# |
| 122 | 10.8 | 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: BE089831.D
Acq: 25 Mar 2015 4:15

Tgt Ion:264 Resp: 629295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.2 | 27.2 |
| 265 | 21.7 | 17.3 | 25.9 |