Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112316\
Data File : BE092576.D
Acq On : 23 Nov 2016 12:54
Operator : UM/SJ
Sample : PB94548BL
Misc :
ALS Vial : 6 Sample Multiplier: 4

**Instrument :** BNA_E
**ClientSampleId :** PB94548BL

Quant Time: Nov 23 16:06:29 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 30857 | 20.00 | ng | -0.02 |
| 7) Naphthalene-d8 | 10.93 | 136 | 133558 | 20.00 | ng | 0.00 |
| 12) Acenaphthene-d10 | 14.80 | 164 | 84890 | 20.00 | ng | 0.00 |
| 18) Phenanthrene-d10 | 17.56 | 188 | 159636 | 20.00 | ng | 0.00 |
| 24) Chrysene-d12 | 21.72 | 240 | 216646 | 20.00 | ng | 0.00 |
| 31) Perylene-d12 | 24.08 | 264 | 220016 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.65 | 112 | 266089 | 204.23 | ng | -0.03 |
| 5) Phenol-d6 | 7.31 | 99 | 376413 | 171.09 | ng | -0.05 |
| 8) Nitrobenzene-d5 | 9.32 | 82 | 216393 | 98.55 | ng | -0.05 |
| 13) 2,4,6-Tribromophenol | 16.28 | 330 | 89995 | 189.02 | ng | -0.02 |
| 14) 2-Fluorobiphenyl | 13.41 | 172 | 438942 | 84.83 | ng | -0.02 |
| 26) Terphenyl-d14 | 20.16 | 244 | 536521 | 86.64 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |

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

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ALS Vial : 6 Sample Multiplier: 4

**Instrument :**
BNA_E
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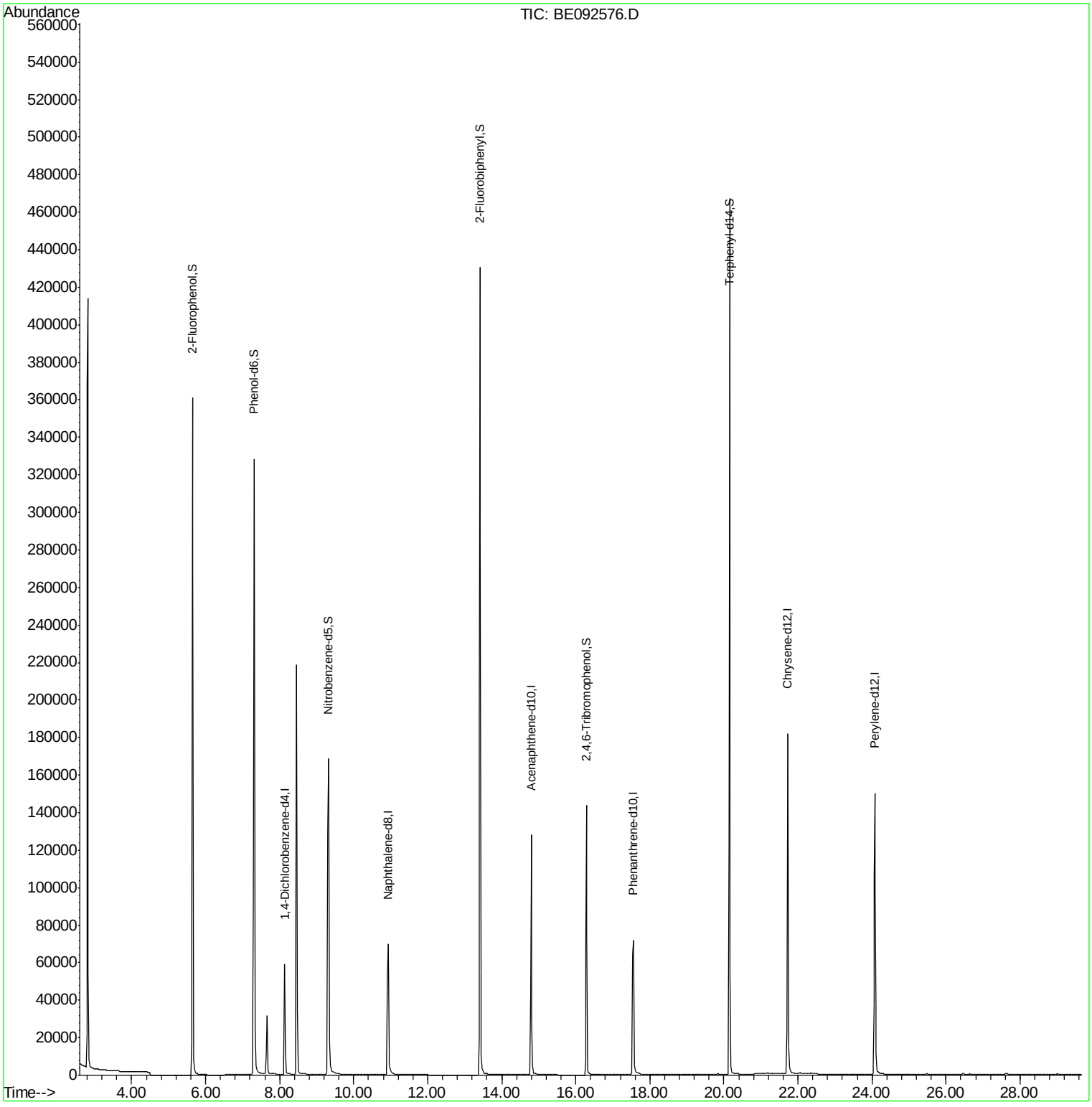
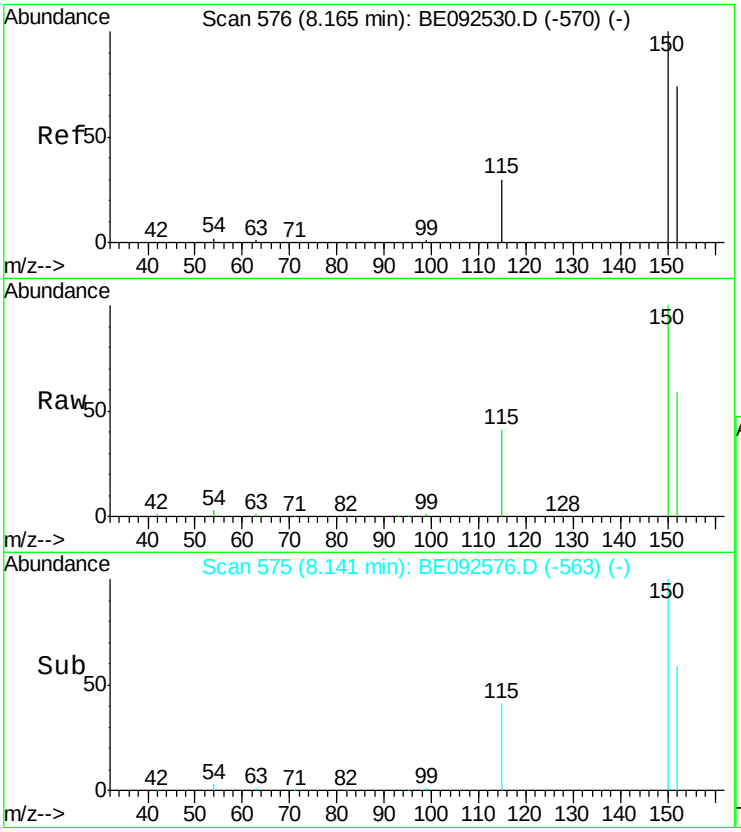


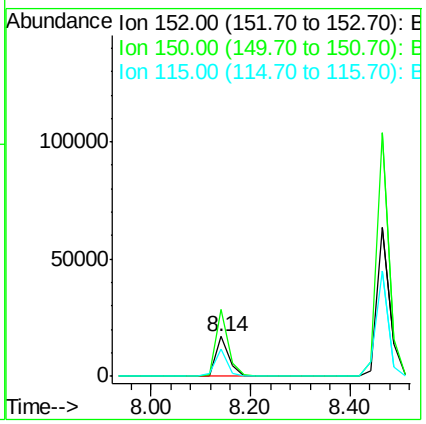


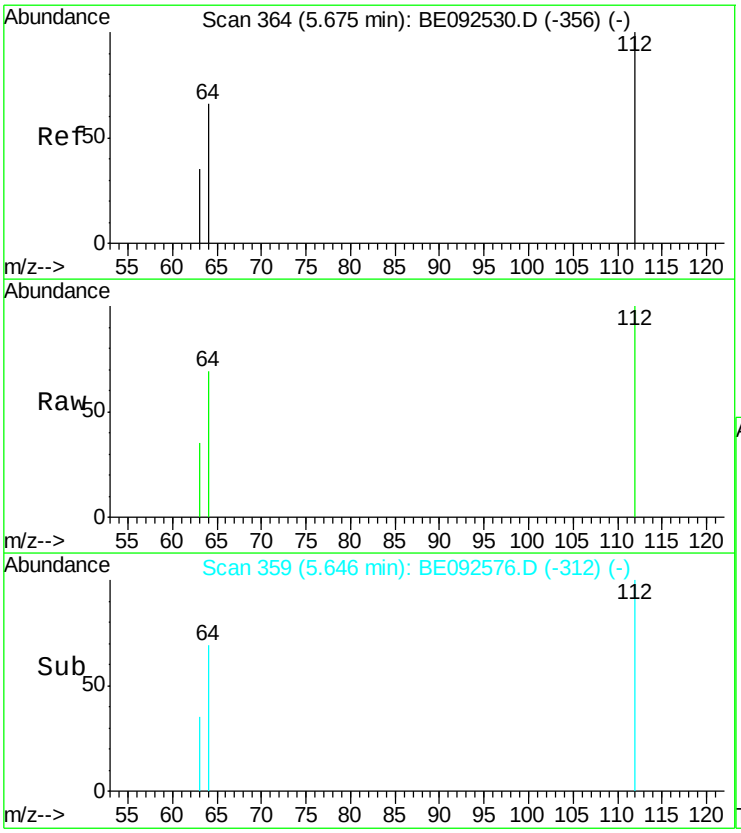

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

**Instrument :**
BNA_E
**ClientSampleId :**
PB94548BL

Tgt Ion:152 Resp: 30857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 168.8 | 106.0 | 159.0# |
| 115 | 69.0 | 31.2 | 46.8# |

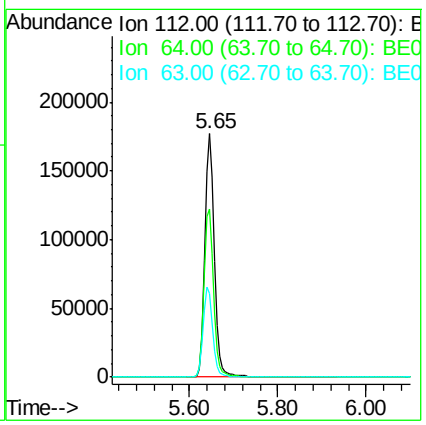


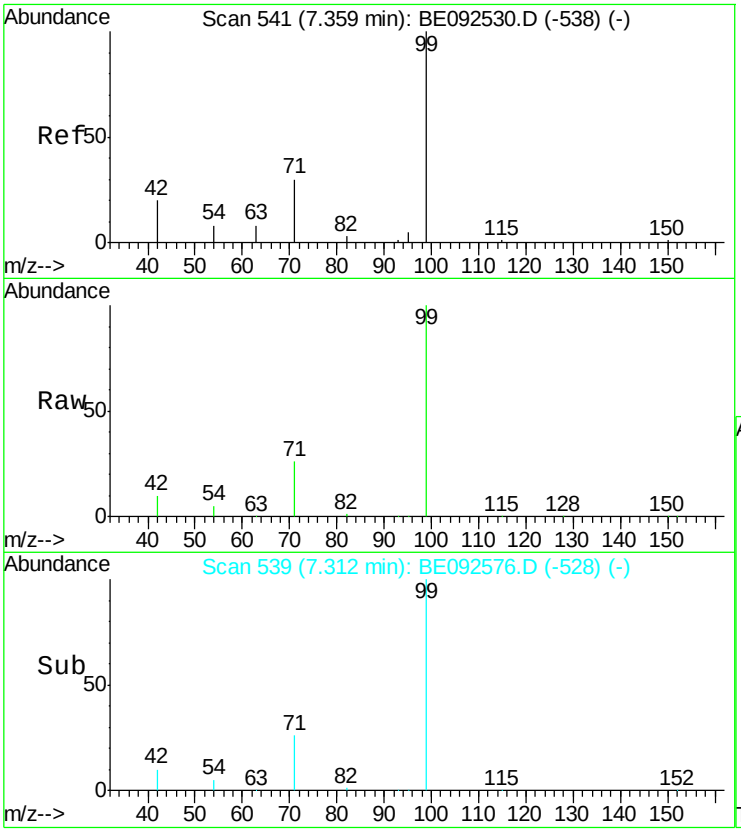




#4
2-Fluorophenol
Concen: 204.23 ng
RT: 5.65 min Scan# 359
Delta R.T. -0.03 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

Tgt Ion:112 Resp: 266089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.4 | 53.5 | 80.3 |
| 63 | 37.6 | 27.9 | 41.9 |



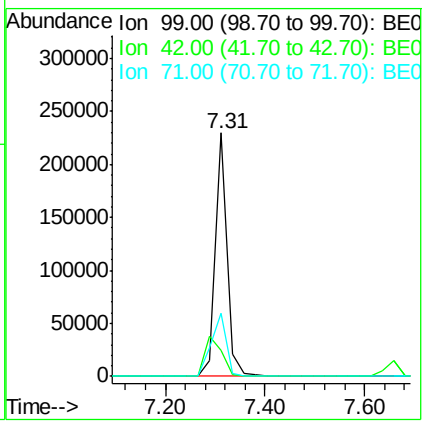


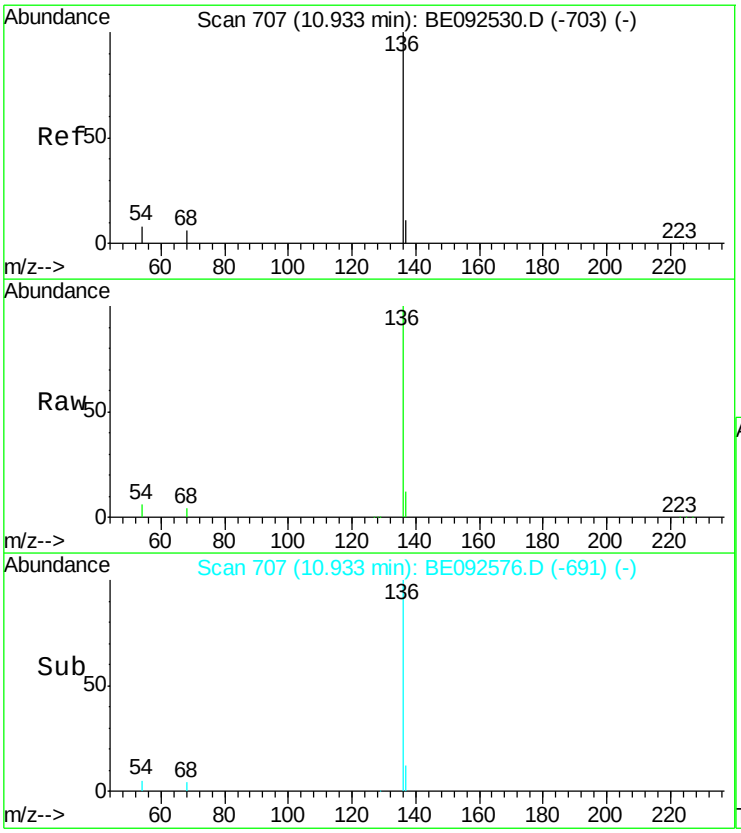

#5
Phenol-d6
Concen: 171.09 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.05 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

**Instrument :**
BNA_E
**ClientSampleId :**
PB94548BL

Tgt Ion: 99 Resp: 376413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 16.0 | 24.0# |
| 71 | 33.5 | 30.6 | 45.8 |

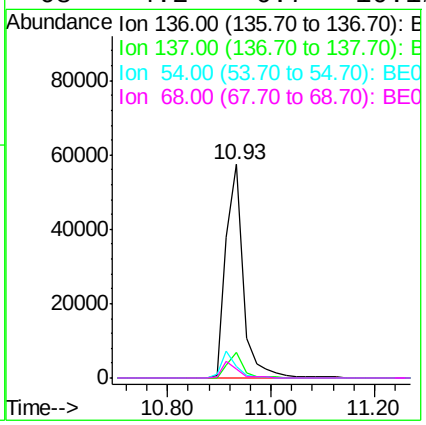


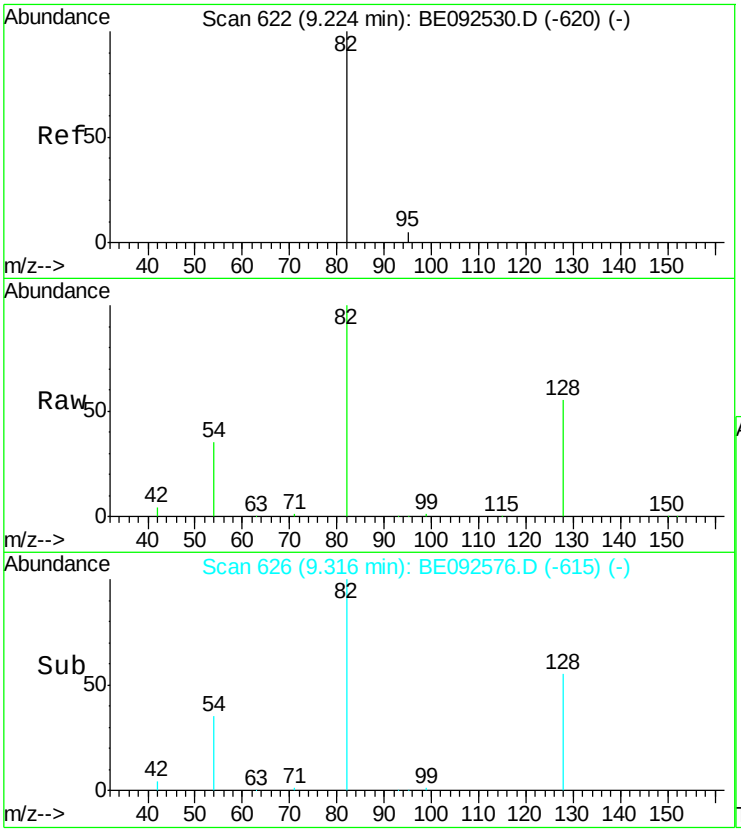




#7
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

Tgt Ion:136 Resp: 133558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.8 | 8.2 | 12.4 |
| 54 | 5.5 | 9.6 | 14.4# |
| 68 | 4.2 | 6.7 | 10.1# |



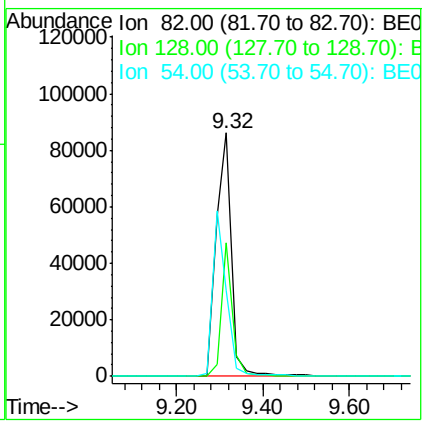


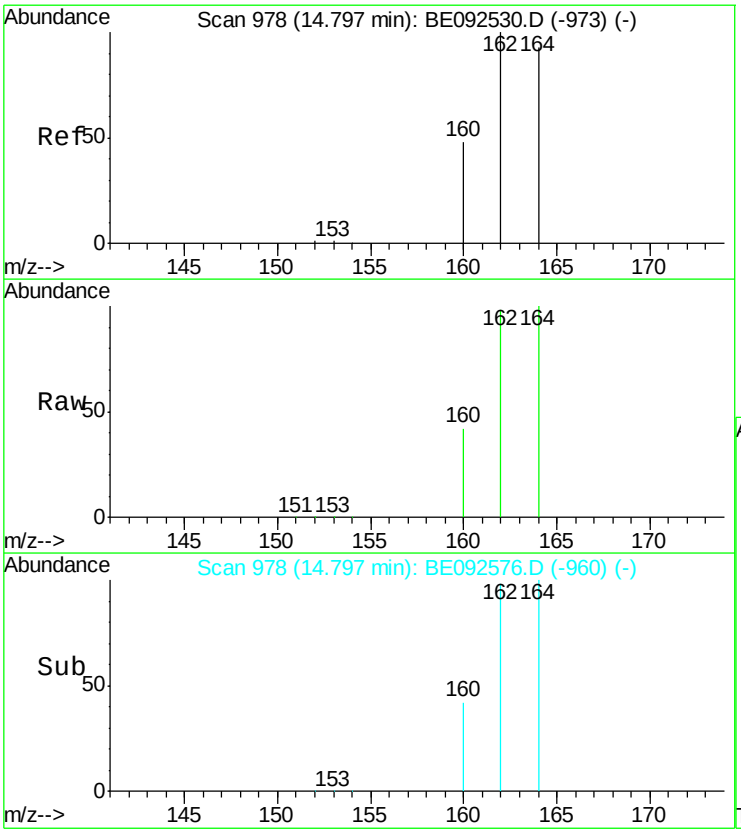

#8
Nitrobenzene-d5
Concen: 98.55 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

**Instrument :**
BNA_E
**ClientSampleId :**
PB94548BL

Tgt Ion: 82 Resp: 216393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 54.6 | 39.0 | 58.4 |
| 54 | 35.3 | 44.8 | 67.2# |

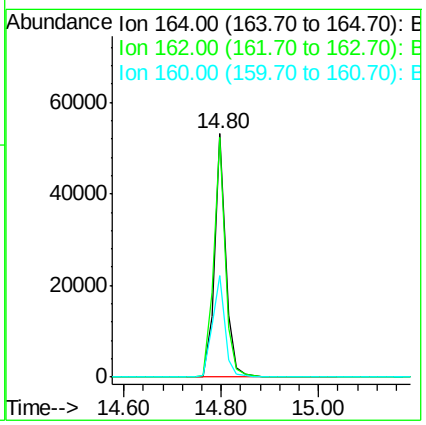


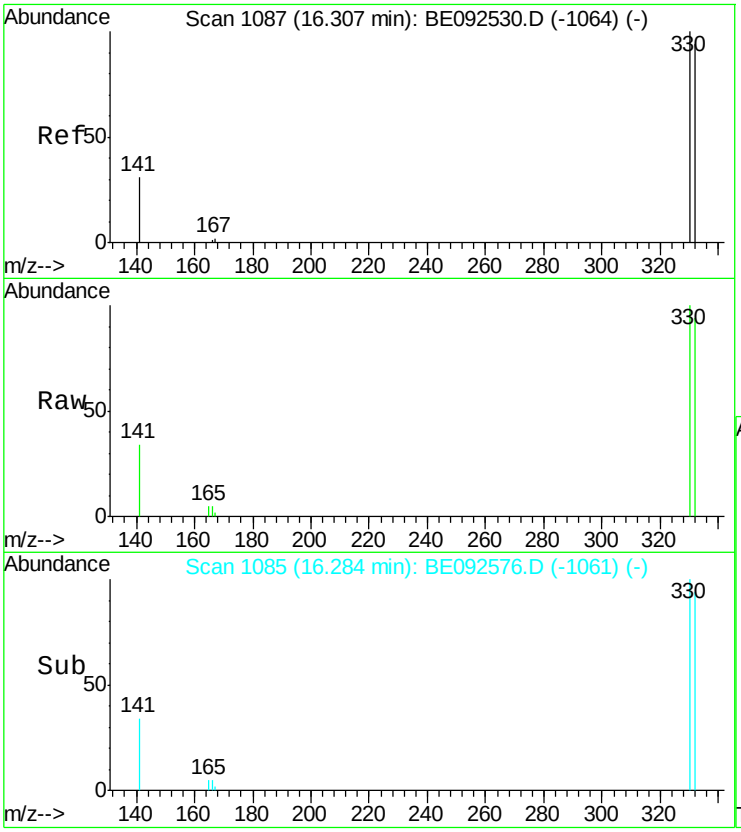




#12
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

Tgt Ion:164 Resp: 84890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.3 | 71.4 | 107.0 |
| 160 | 41.7 | 27.4 | 41.2# |



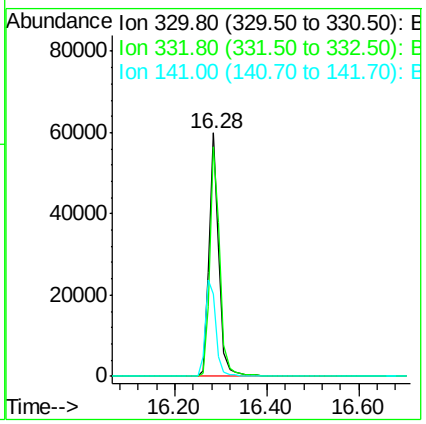


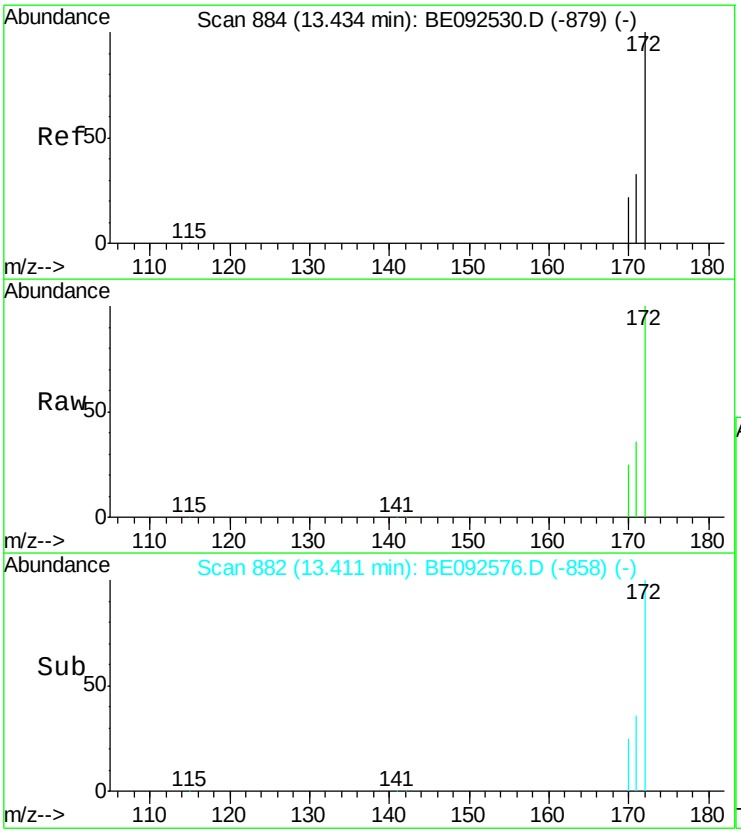

#13
2,4,6-Tribromophenol
Concen: 189.02 ng
RT: 16.28 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

**Instrument :**
BNA_E
**ClientSampleId :**
PB94548BL

Tgt Ion:330 Resp: 89995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 75.4 | 113.0 |
| 141 | 43.7 | 31.0 | 46.6 |

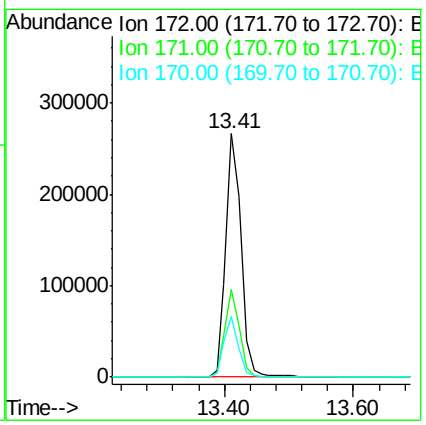


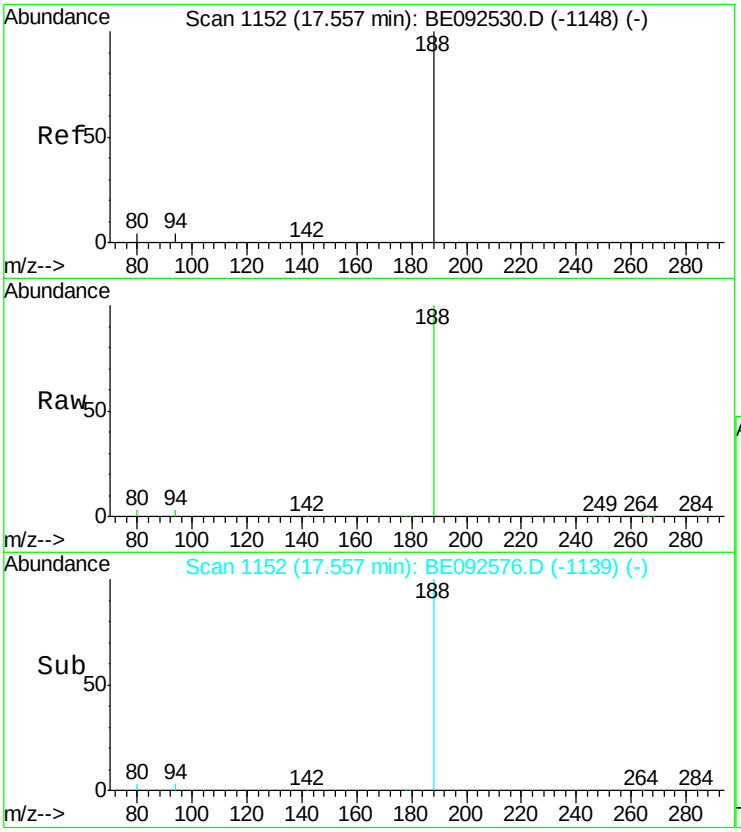




#14
2-Fluorobiphenyl
Concen: 84.83 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

Tgt Ion:172 Resp: 438942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 30.1 | 45.1 |
| 170 | 24.9 | 21.8 | 32.6 |



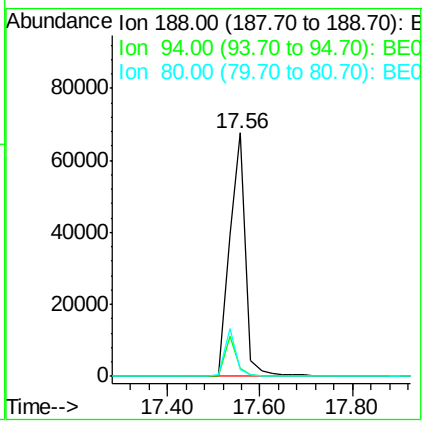


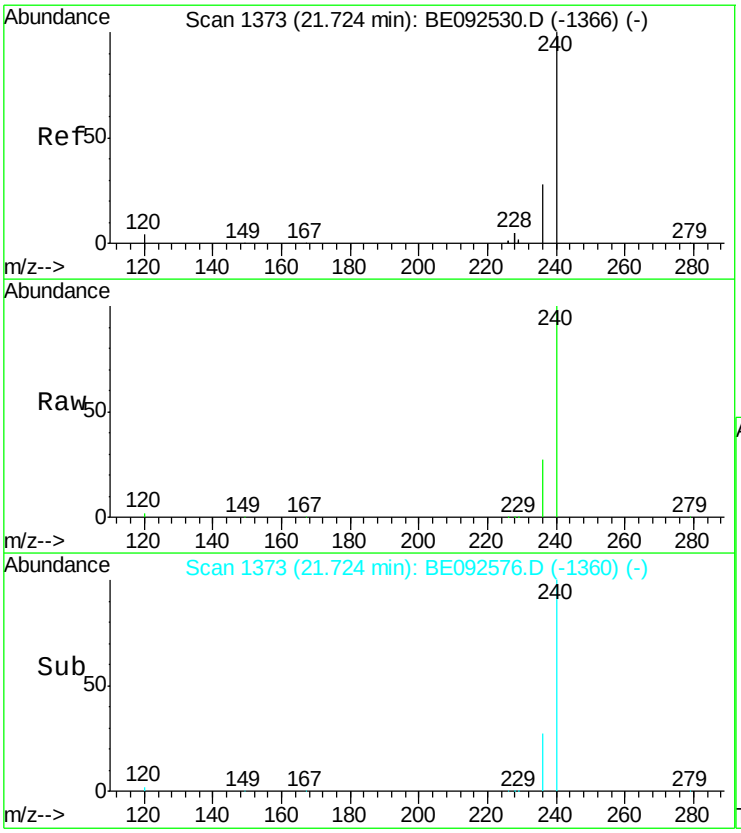

#18
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

**Instrument :**
BNA_E
**ClientSampleId :**
PB94548BL

Tgt Ion:188 Resp: 159636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 3.1 | 3.2 | 4.8# |
| 80 | 2.7 | 2.6 | 3.8 |

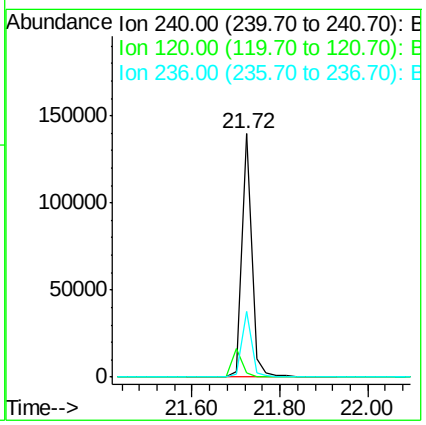


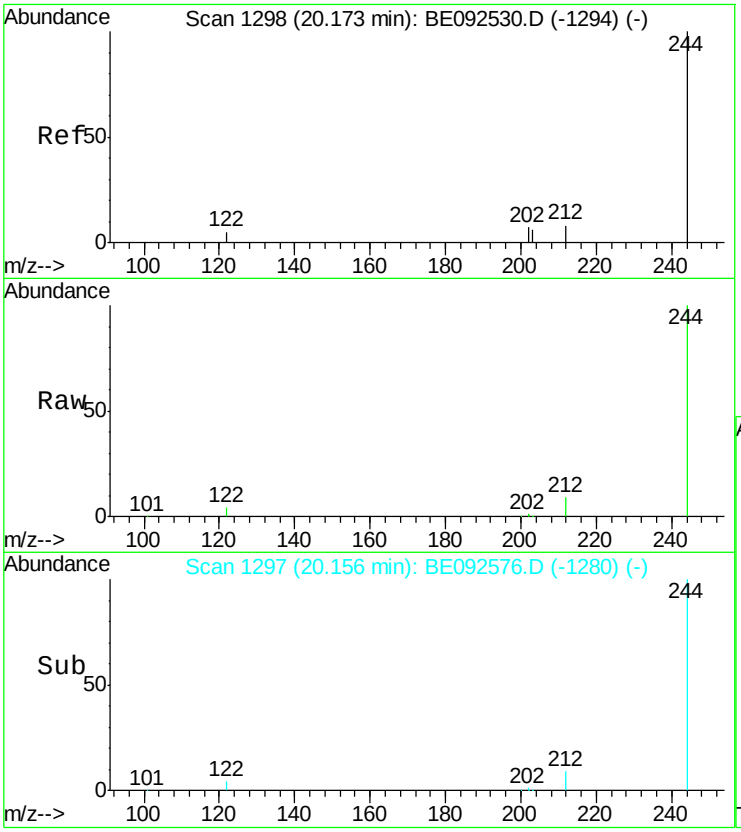




#24
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

Tgt Ion:240 Resp: 216646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.8 | 2.6 | 4.0# |
| 236 | 27.1 | 24.6 | 37.0 |



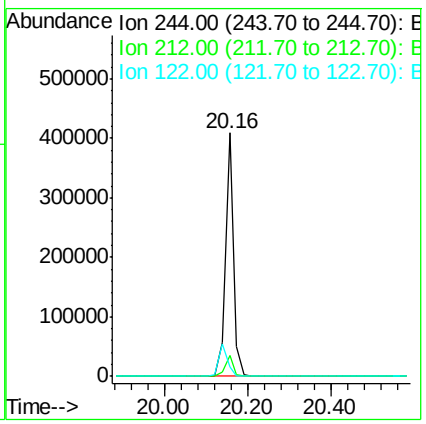


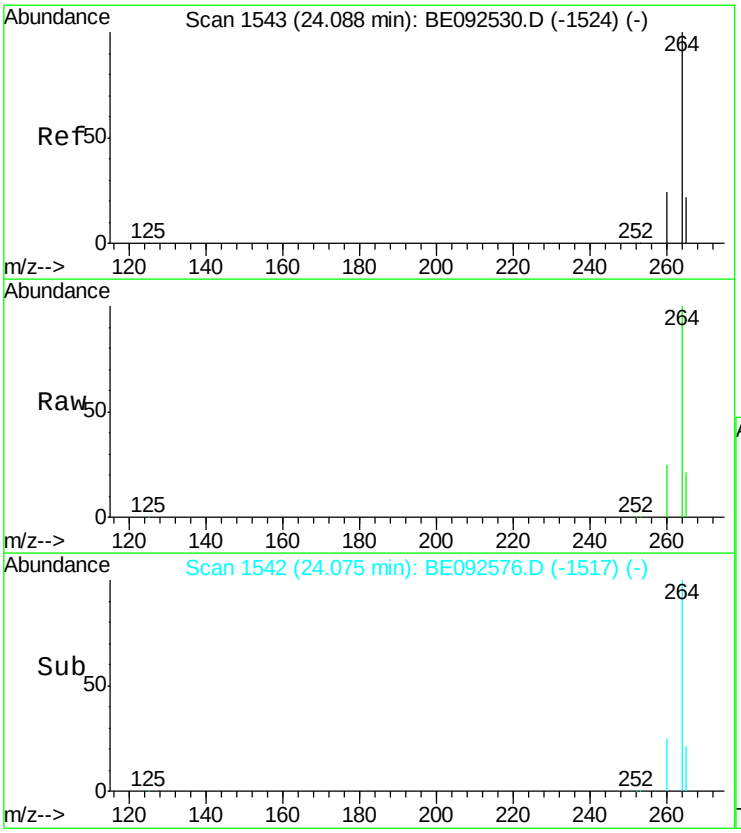

#26
Terphenyl-d14
Concen: 86.64 ng
RT: 20.16 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

**Instrument :**
BNA_E
**ClientSampleId :**
PB94548BL

Tgt Ion:244 Resp: 536521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.6 | 6.7 | 10.1 |
| 122 | 4.1 | 3.6 | 5.4 |




#31
Perylene-d12
Concen: 20.00 ng
RT: 24.08 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BE092576.D
Acq: 23 Nov 2016 12:54

Tgt Ion:264 Resp: 220016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.1 | 20.1 | 30.1 |
| 265 | 21.5 | 17.9 | 26.9 |