Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091702.D
Acq On : 17 Dec 2016 5:58
Operator : UM/SJ
Sample : H6090-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-05

Quant Time: Dec 17 23:24:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 234568 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.06 | 136 | 909255 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.81 | 164 | 412832 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 547782 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 13.93 | 240 | 494422 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.32 | 264 | 373525 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 804913 | 57.81 | ng | -0.01 |
| 7) Phenol-d6 | 6.41 | 99 | 566495 | 32.64 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 1647211 | 101.11 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 379018 | 110.54 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 2109204 | 88.28 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.88 | 244 | 1517474 | 69.64 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |

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

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Acq On : 17 Dec 2016 5:58
Operator : UM/SJ
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Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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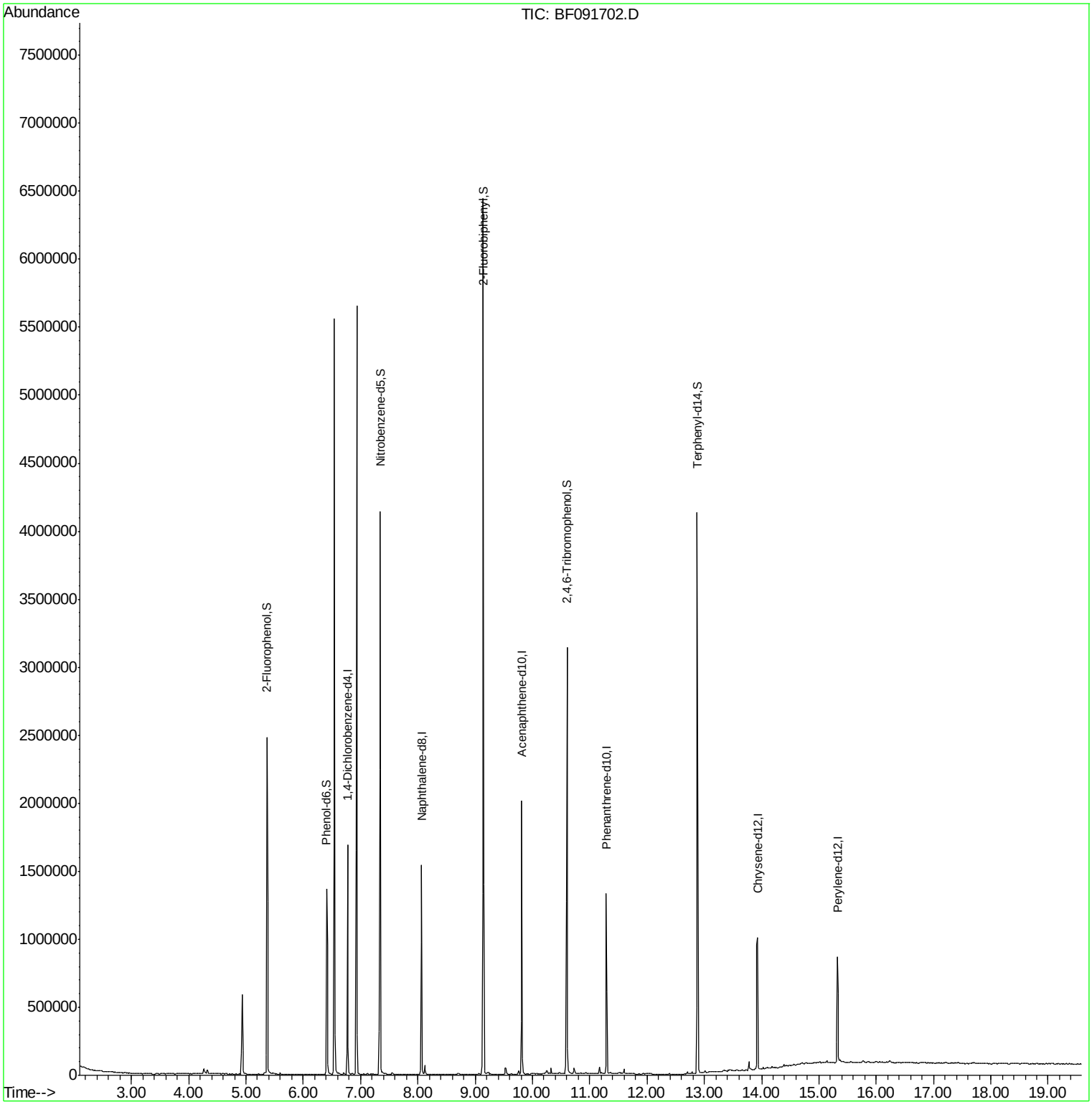
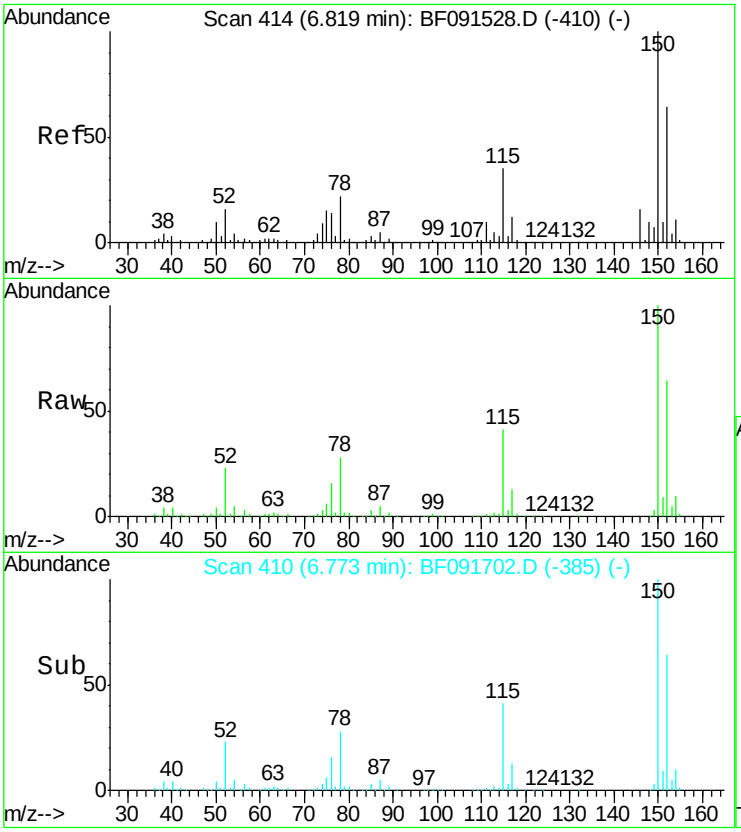


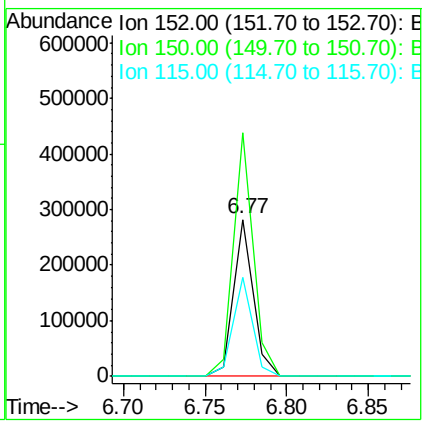


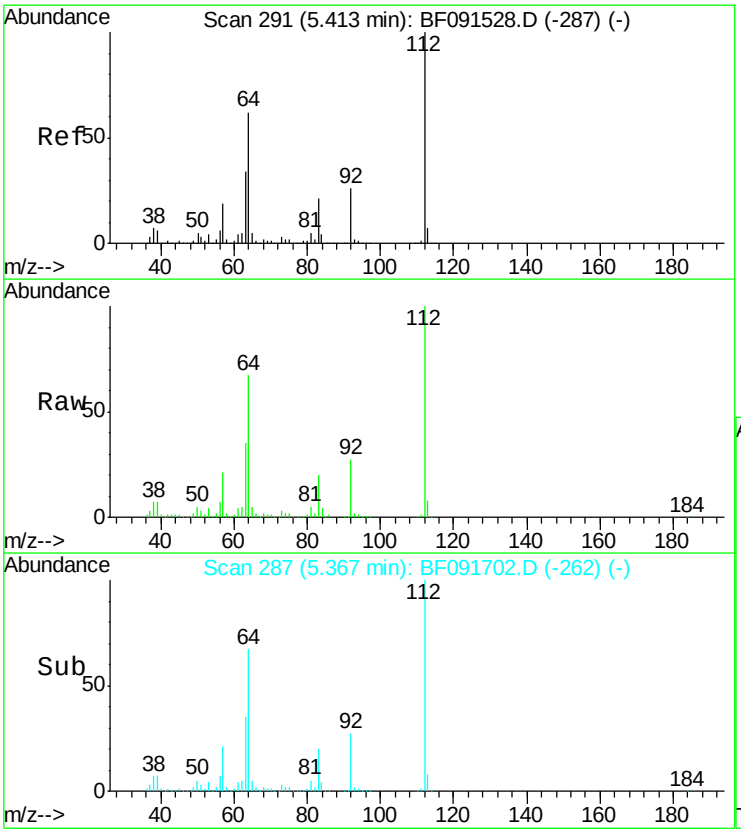

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

Tgt Ion:152 Resp: 234568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 122.5 | 183.7 |
| 115 | 63.3 | 51.8 | 77.8 |

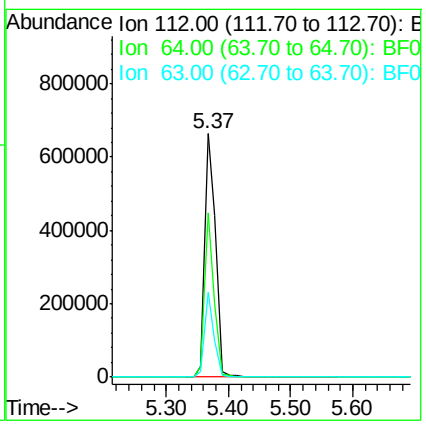


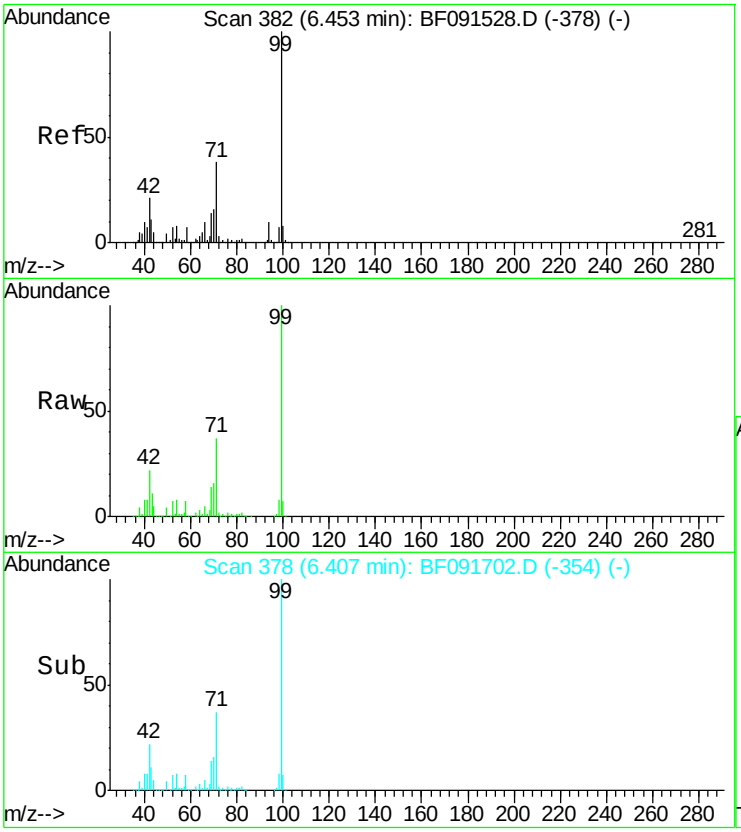




#5
2-Fluorophenol
Concen: 57.81 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:112 Resp: 804913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.4 | 61.5 | 92.3 |
| 63 | 34.7 | 33.3 | 49.9 |



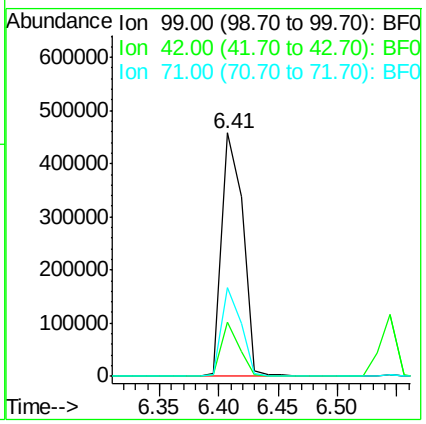


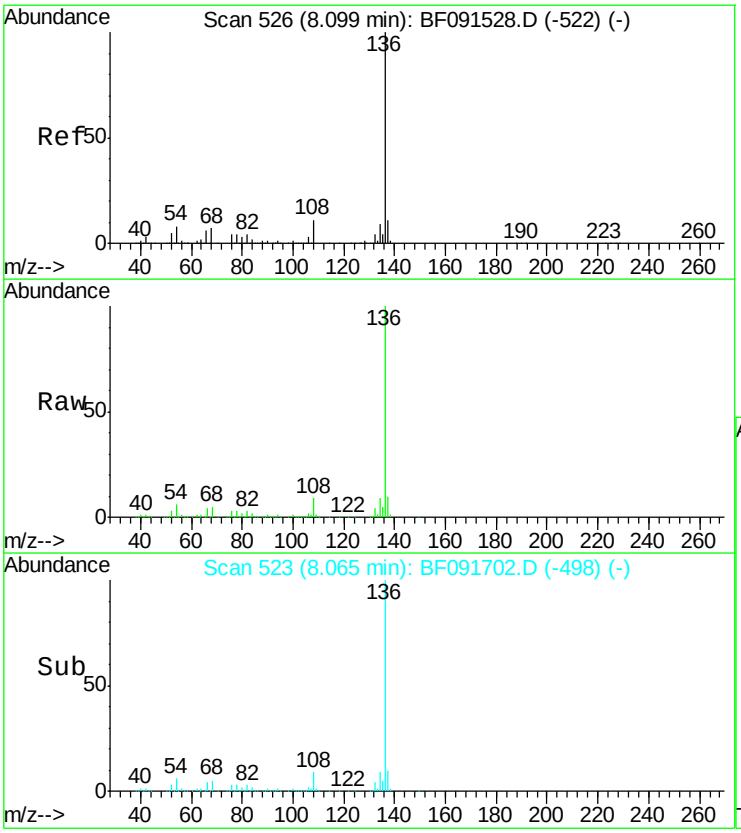

#7
Phenol-d6
Concen: 32.64 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.02 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

Tgt Ion: 99 Resp: 566495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.1 | 20.6 | 31.0 |
| 71 | 36.6 | 29.9 | 44.9 |

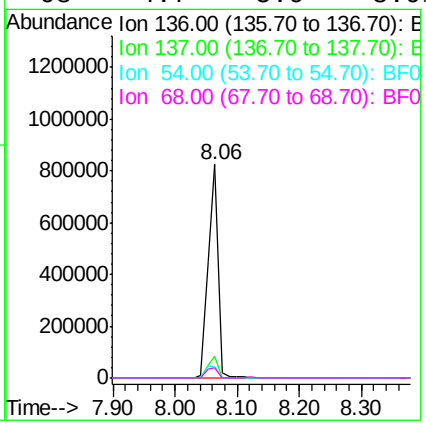


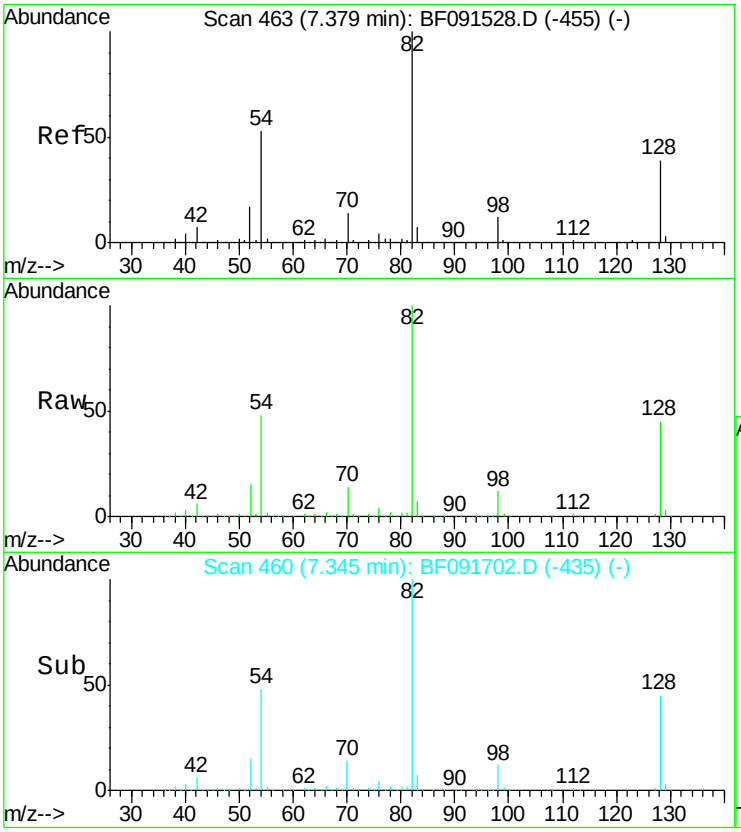




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:136 Resp: 909255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 9.1 | 13.7 |
| 54 | 5.6 | 9.1 | 13.7# |
| 68 | 4.7 | 5.9 | 8.9# |



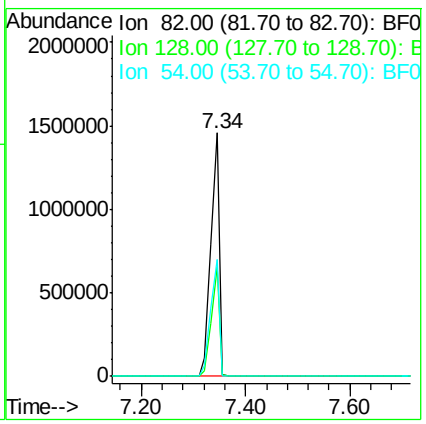


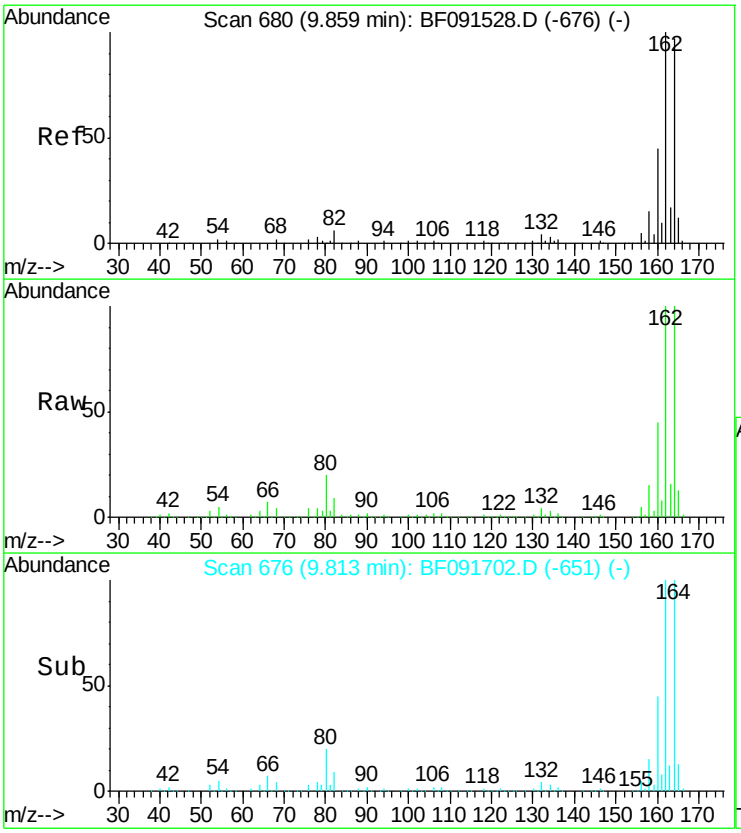

#23
Nitrobenzene-d5
Concen: 101.11 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

Tgt Ion: 82 Resp: 1647211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 31.8 | 47.6 |
| 54 | 48.1 | 49.1 | 73.7# |

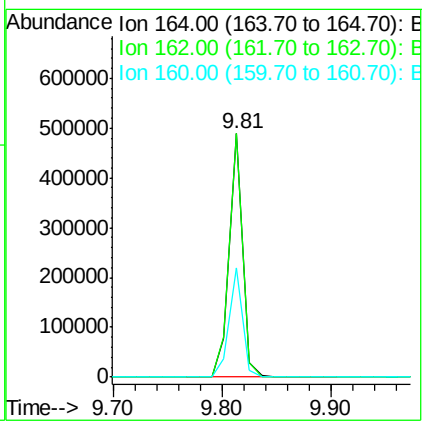


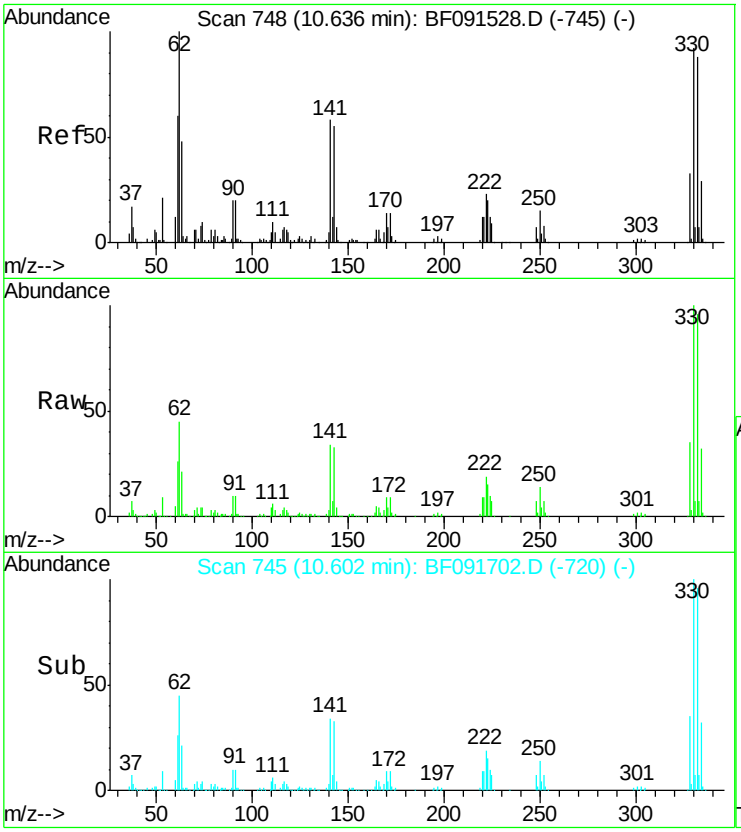




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:164 Resp: 412832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 82.6 | 124.0 |
| 160 | 45.0 | 36.7 | 55.1 |



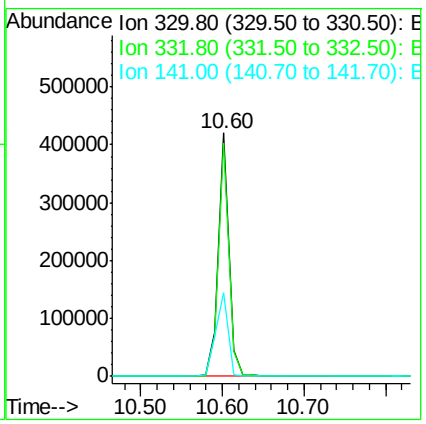


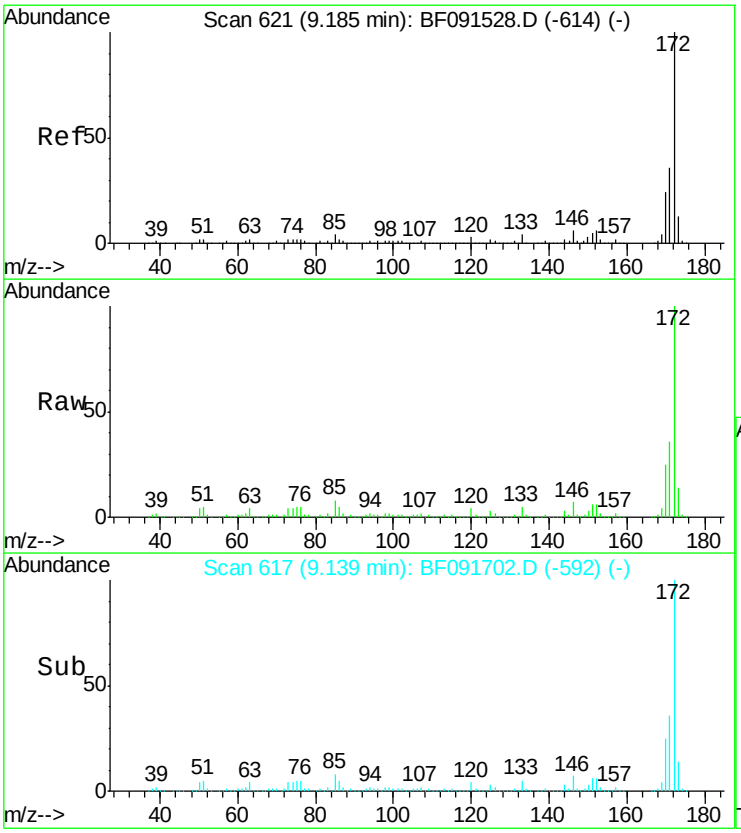

#41
2,4,6-Tribromophenol
Concen: 110.54 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

Tgt Ion:330 Resp: 379018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.2 | 114.4 |
| 141 | 40.4 | 33.6 | 50.4 |

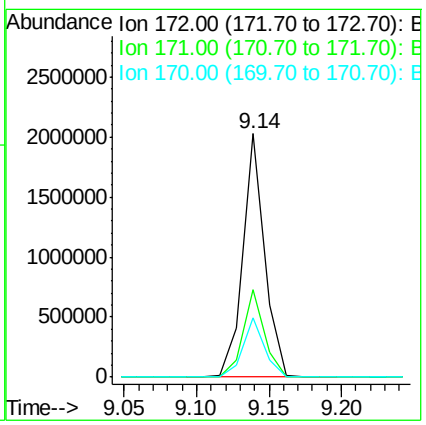


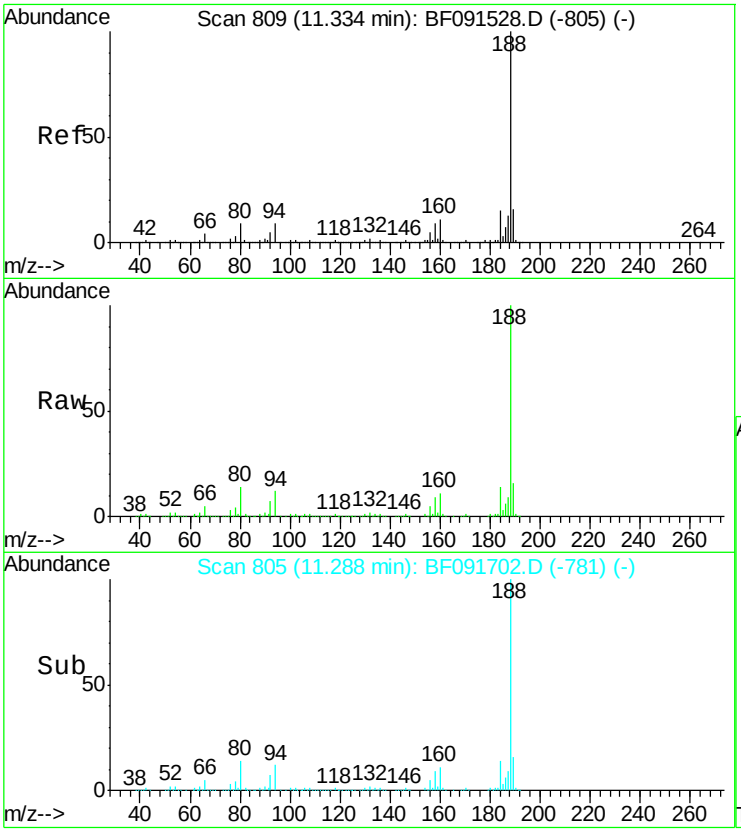




#44
2-Fluorobiphenyl
Concen: 88.28 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:172 Resp: 2109204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.4 | 44.0 |
| 170 | 24.6 | 19.7 | 29.5 |



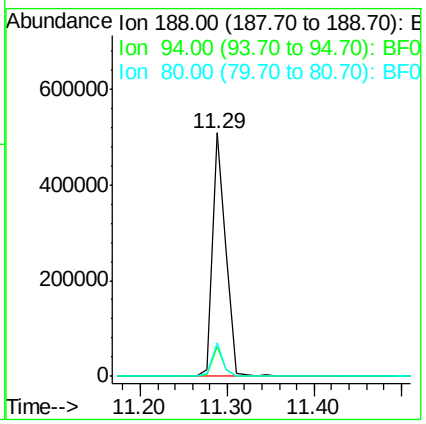


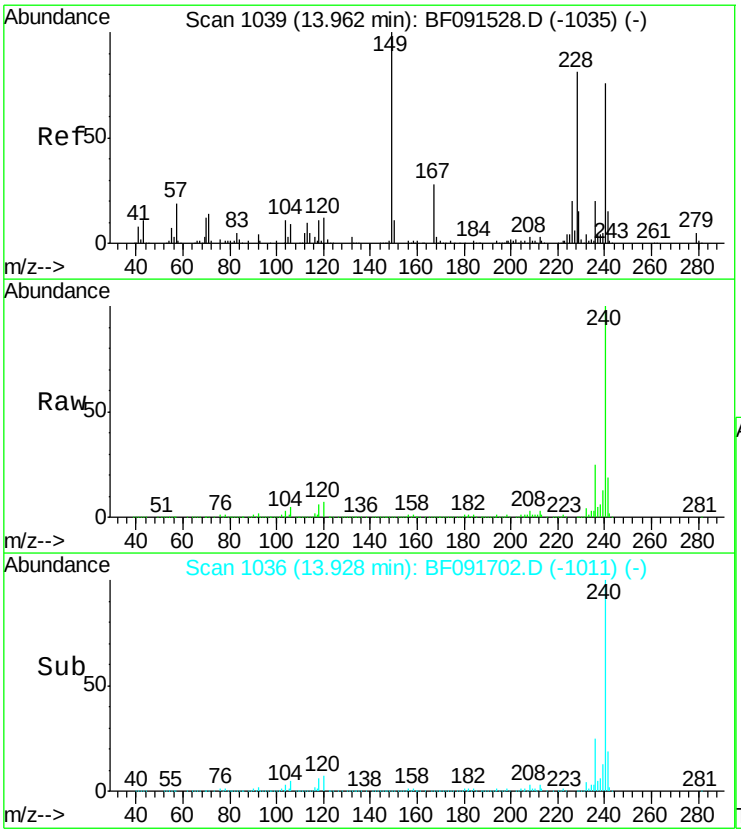

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

Tgt Ion:188 Resp: 547782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.1 | 9.2 | 13.8 |
| 80 | 13.7 | 10.5 | 15.7 |

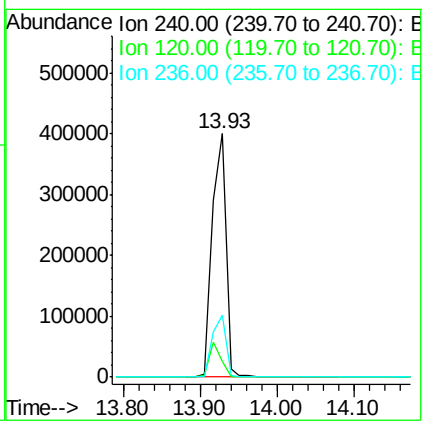


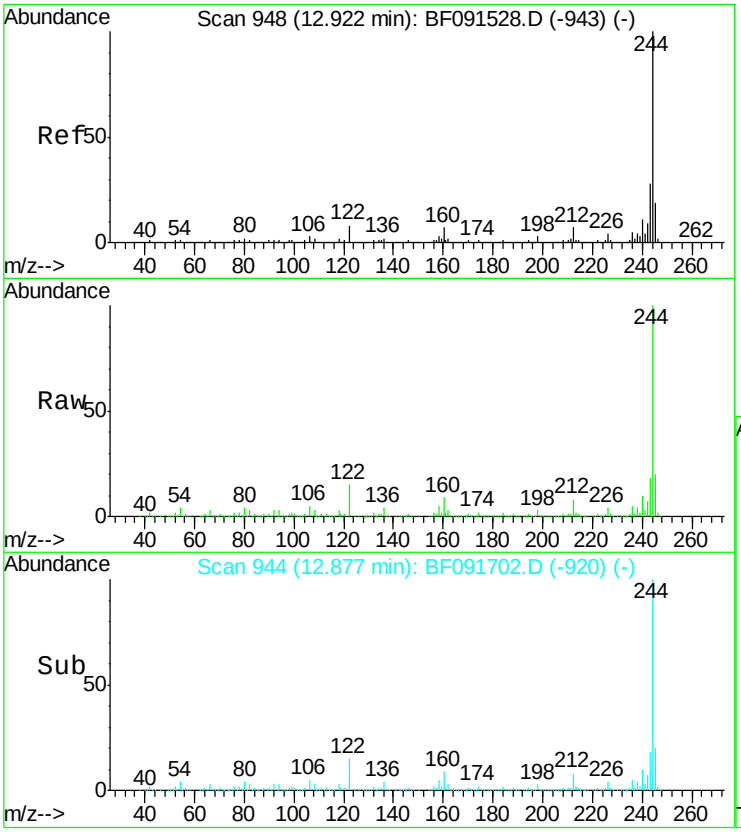




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:240 Resp: 494422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.6 | 12.1 | 18.1# |
| 236 | 25.4 | 21.0 | 31.6 |



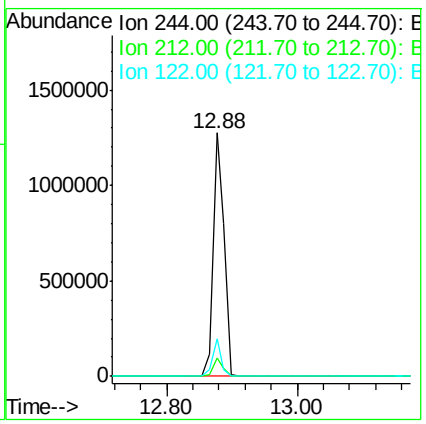


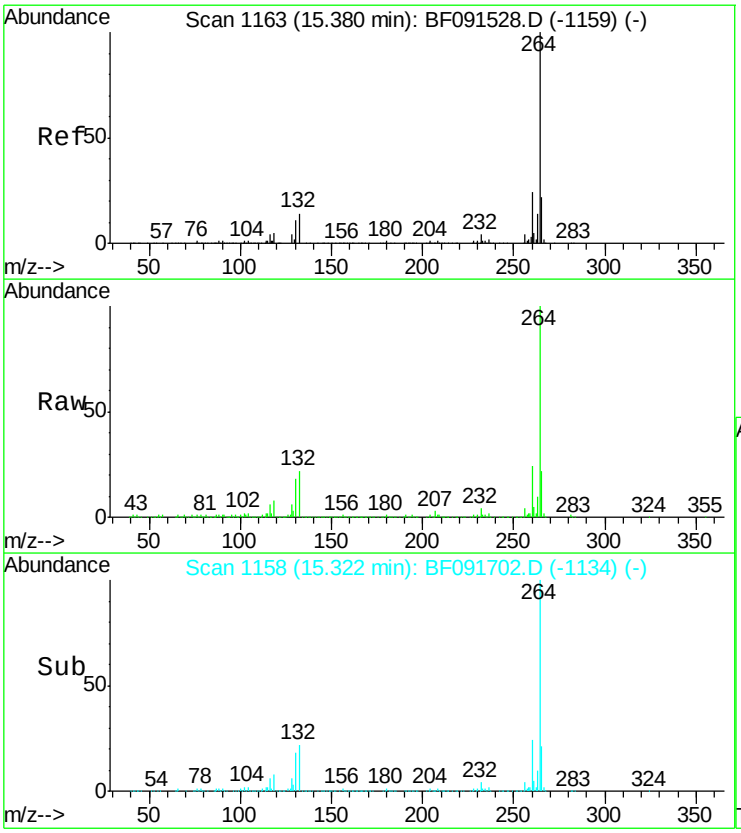

#78
Terphenyl-d14
Concen: 69.64 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.02 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-05

Tgt Ion:244 Resp: 1517474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.5 | 9.7 |
| 122 | 15.3 | 9.5 | 14.3# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091702.D
Acq: 17 Dec 2016 5:58

Tgt Ion:264 Resp: 373525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.8 | 28.2 |
| 265 | 21.6 | 17.0 | 25.6 |