Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081293.D
Acq On : 30 Aug 2015 2:33
Operator : UM/IZ
Sample : G3474-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-06

Quant Time: Aug 31 02:51:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 31 00:56:51 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.48 | 152 | 58344 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.77 | 136 | 236459 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.51 | 164 | 98122 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 10.98 | 188 | 175916 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.60 | 240 | 139944 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.93 | 264 | 105982 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.05 | 112 | 160932 | 41.49 | ng | | 0.02 |
| 7) Phenol-d6 | 6.15 | 99 | 143177 | 28.29 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.06 | 82 | 346063 | 66.86 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.31 | 330 | 99212 | 116.64 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.86 | 172 | 618082 | 82.54 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.57 | 244 | 432675 | 66.28 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 49) Dimethylphthalate | 9.26 | 163 | 21135 | 2.62 | ng | # | 94 |
| 51) Acenaphthene | 9.54 | 154 | 39264 | 5.28 | ng | | 98 |
| 54) Dibenzofuran | 9.71 | 168 | 33181 | 3.33 | ng | # | 78 |
| 57) Fluorene | 10.06 | 166 | 37283 | 4.86 | ng | # | 96 |
| 72) Carbazole | 11.23 | 167 | 23936 | 2.45 | ng | # | 92 |

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

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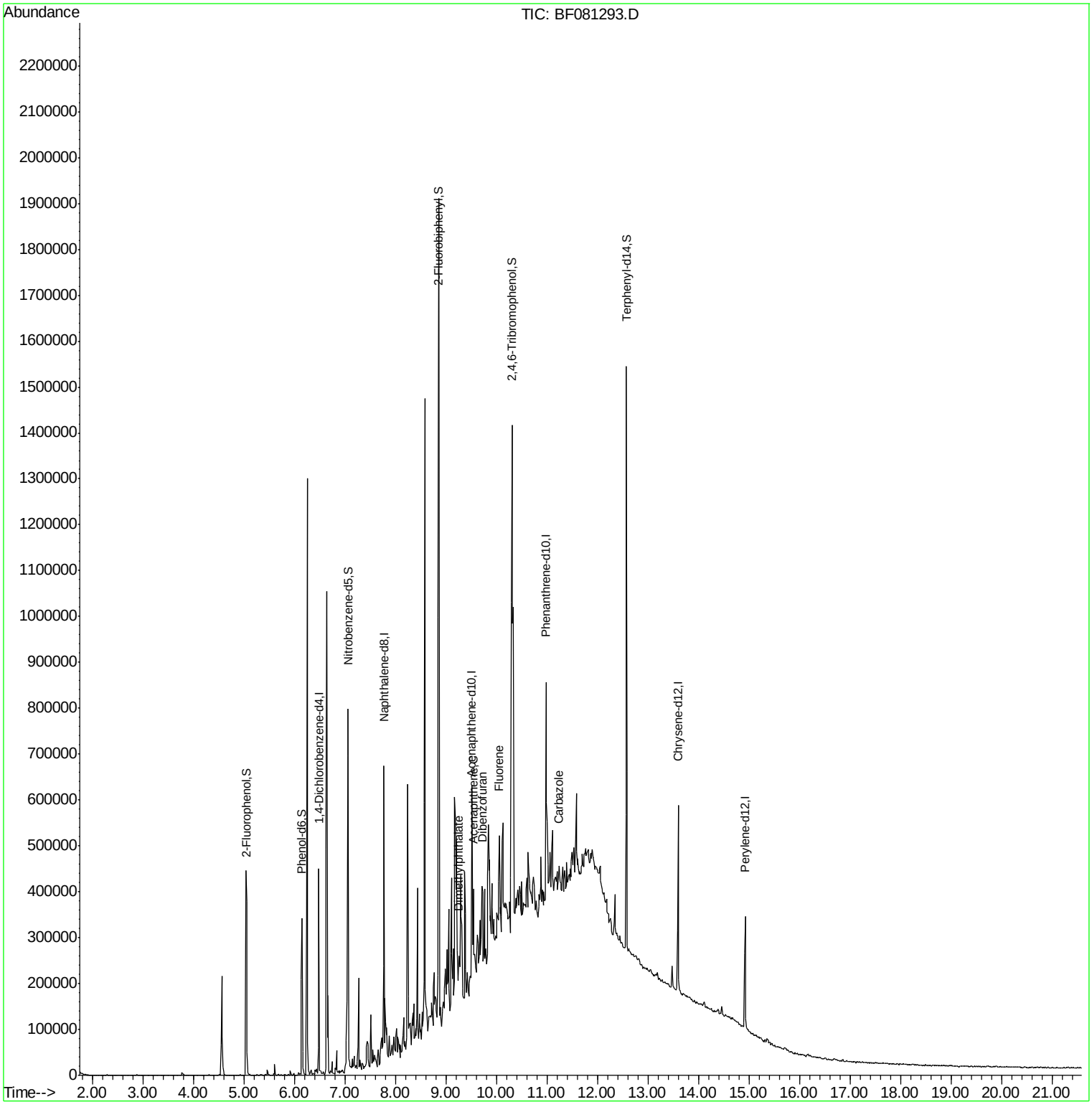
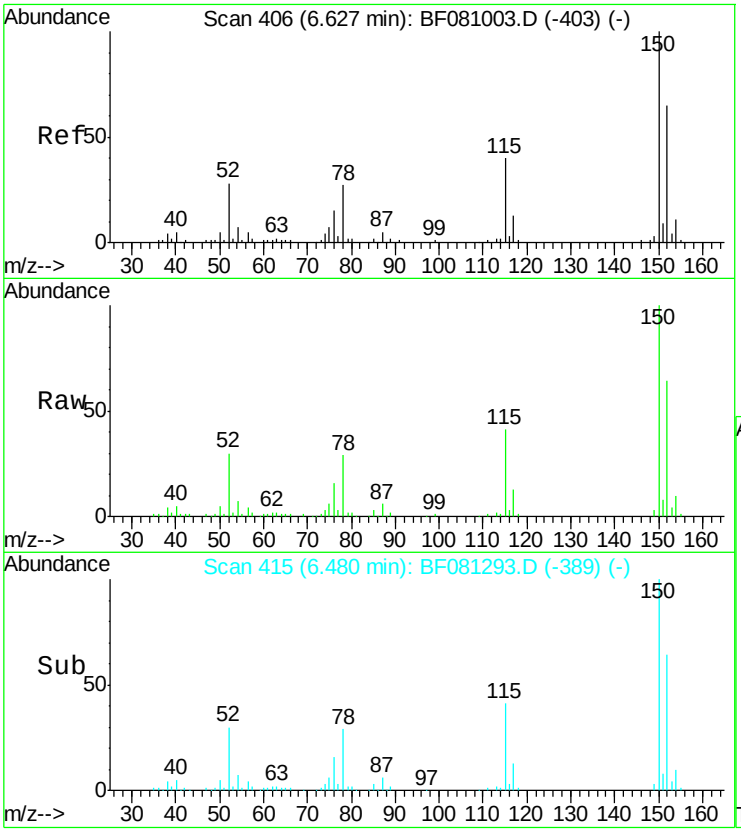
Acq On : 30 Aug 2015 2:33
Operator : UM/IZ
Sample : G3474-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Quant Time: Aug 31 02:51:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 31 00:56:51 2015
Response via : Initial Calibration



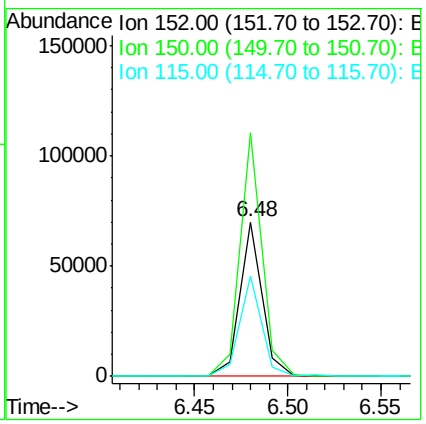


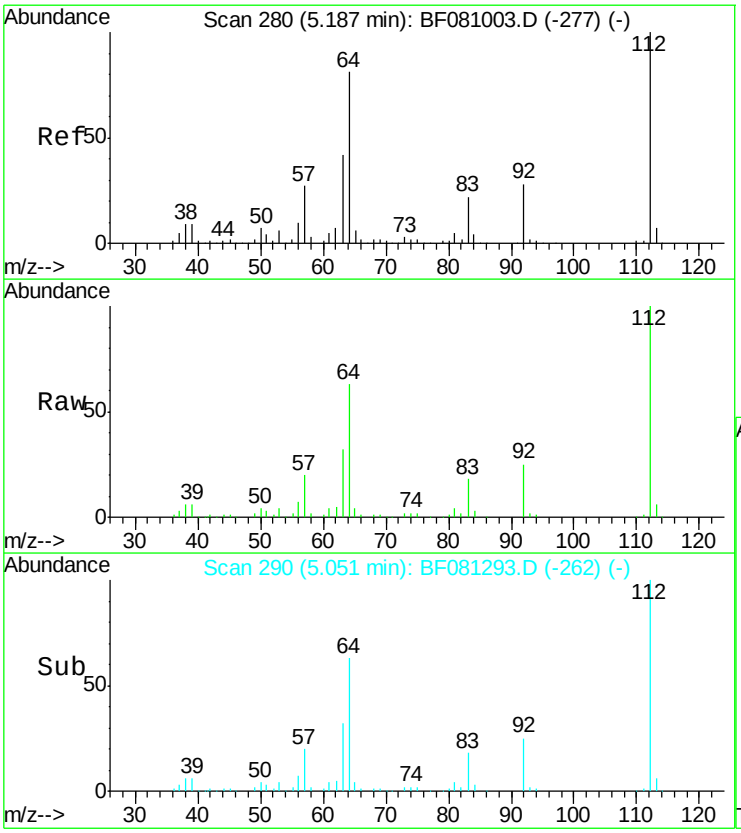

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:152 Resp: 58344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 123.8 | 185.6 |
| 115 | 64.9 | 52.1 | 78.1 |

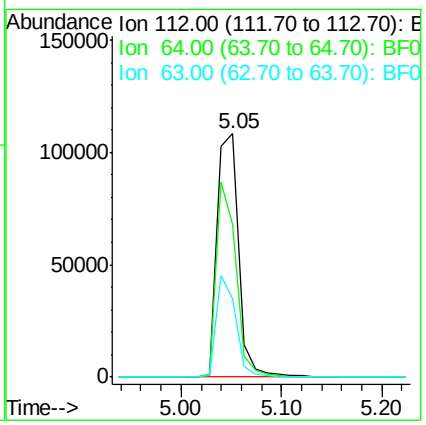


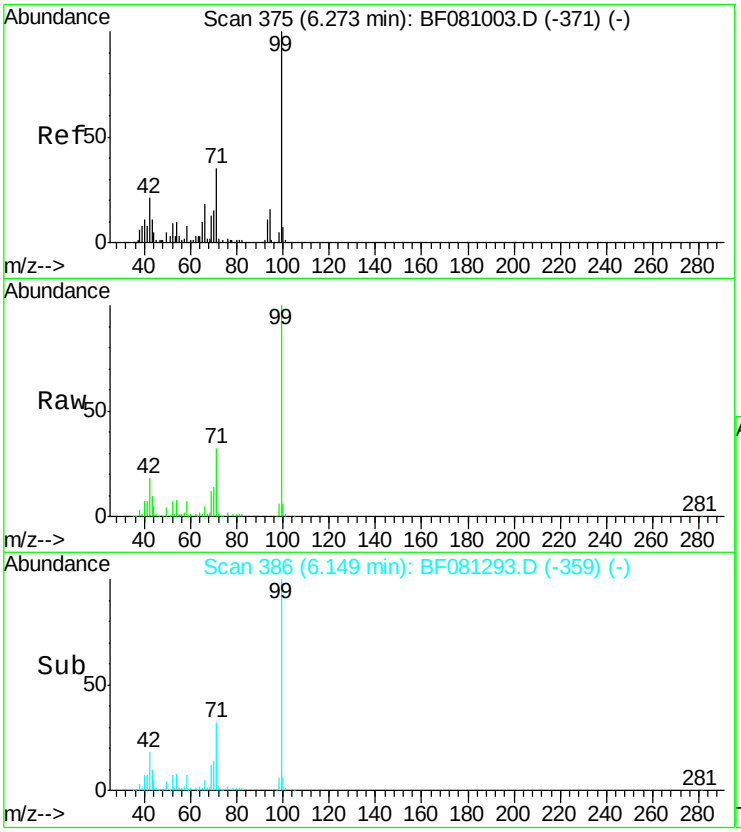




#5
2-Fluorophenol
Concen: 41.49 ng
RT: 5.05 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:112 Resp: 160932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.5 | 66.9 | 100.3# |
| 63 | 32.2 | 38.1 | 57.1# |



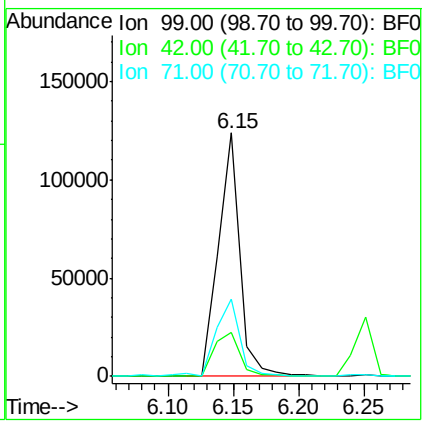


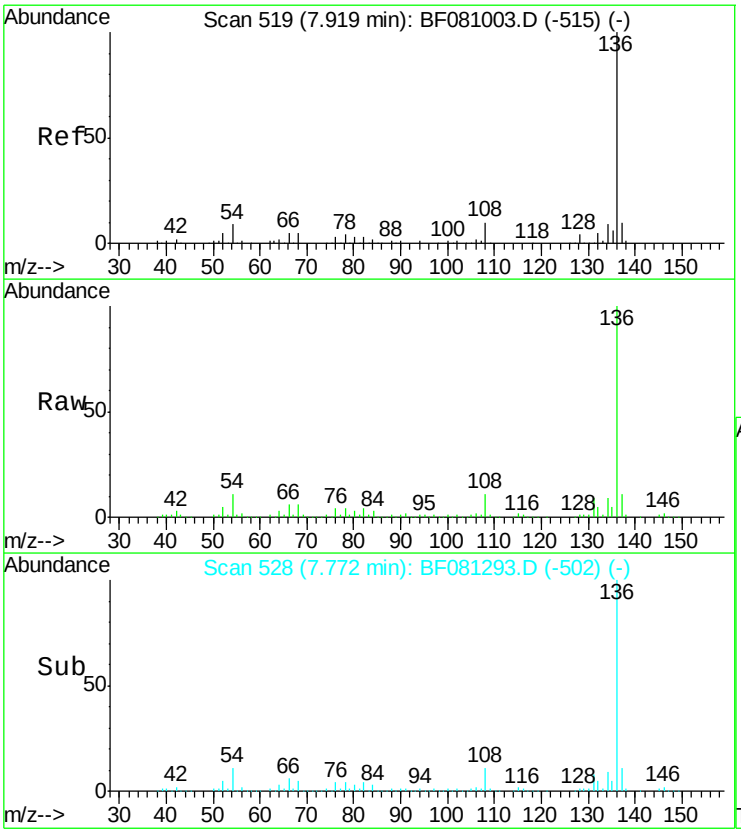

#7
Phenol-d6
Concen: 28.29 ng
RT: 6.15 min Scan# 386
Delta R.T. 0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion: 99 Resp: 143177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.1 | 19.6 | 29.4# |
| 71 | 31.5 | 31.2 | 46.8 |

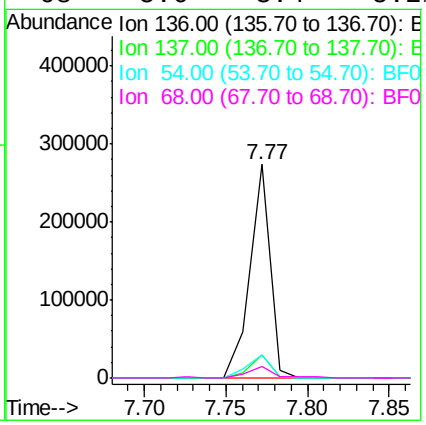


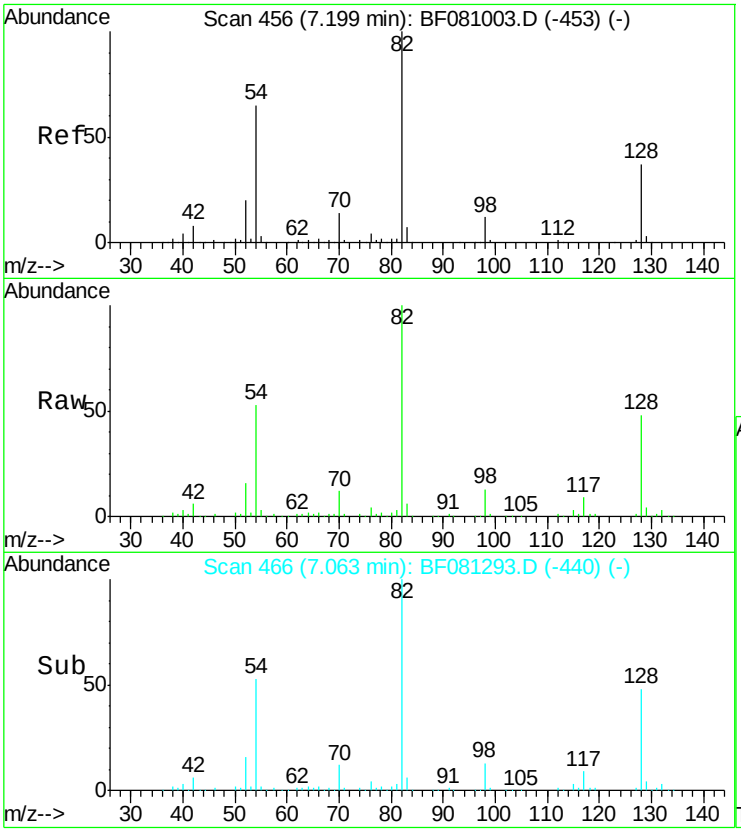




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:136 Resp: 236459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.2 | 12.2 |
| 54 | 10.5 | 7.7 | 11.5 |
| 68 | 5.6 | 3.4 | 5.2# |



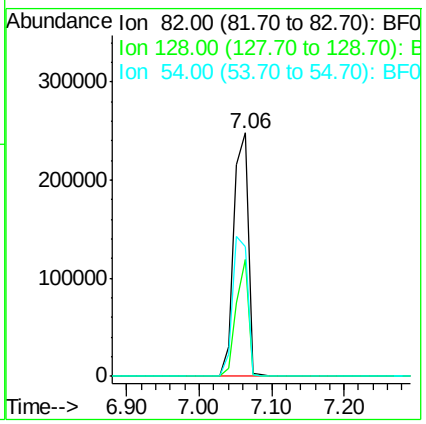


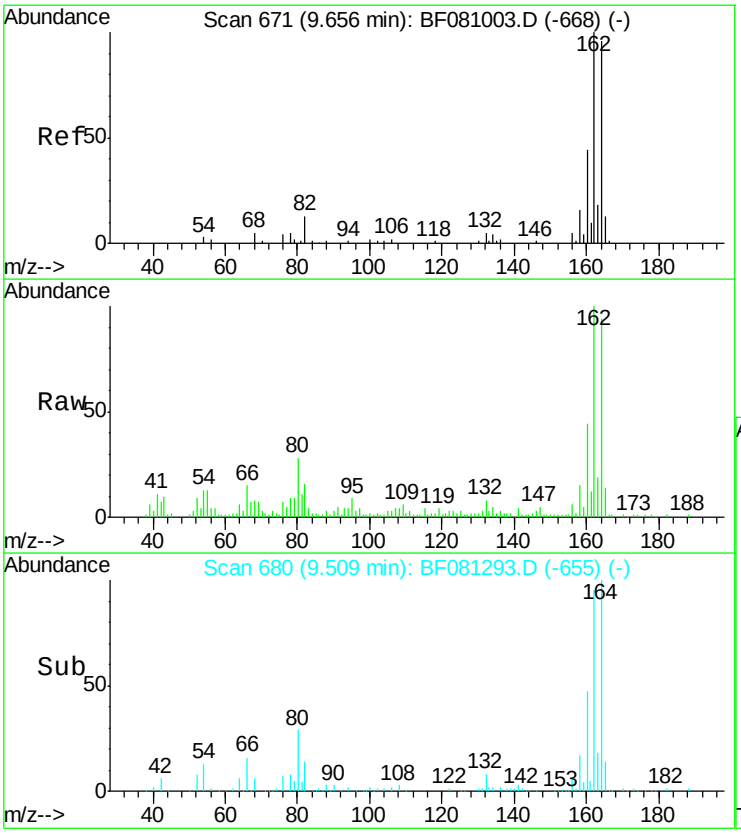

#23
Nitrobenzene-d5
Concen: 66.86 ng
RT: 7.06 min Scan# 466
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion: 82 Resp: 346063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.8 | 28.6 | 42.8# |
| 54 | 53.4 | 55.1 | 82.7# |

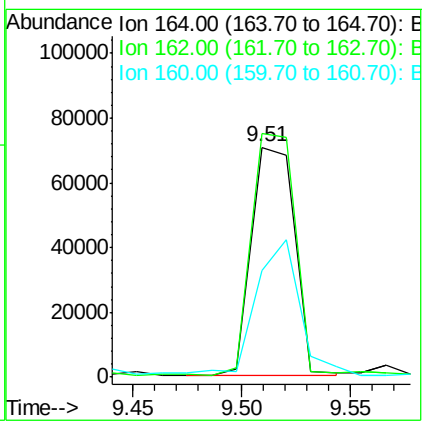


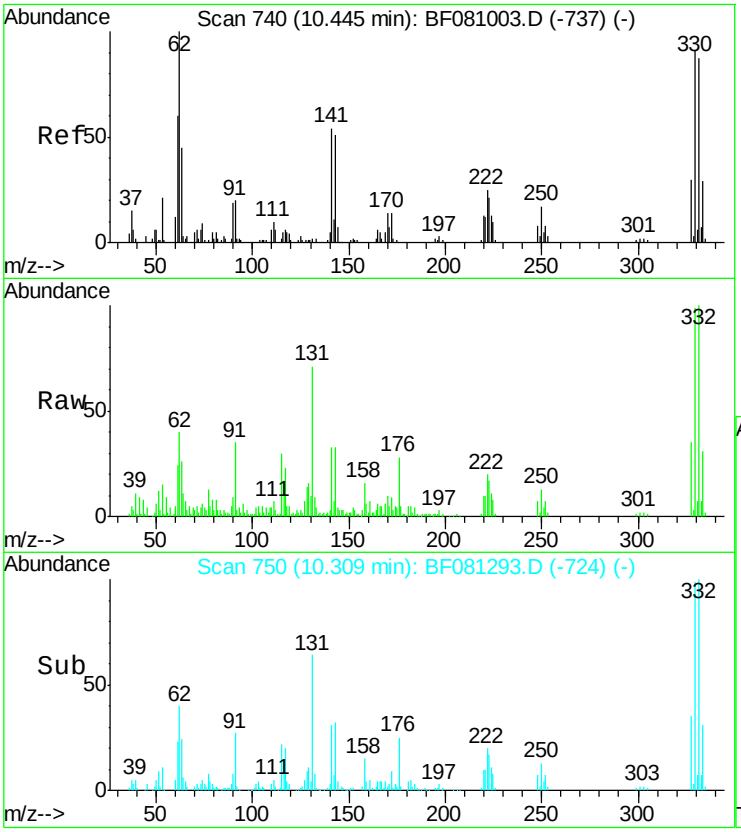




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:164 Resp: 98122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.0 | 83.8 | 125.8 |
| 160 | 46.6 | 39.8 | 59.8 |



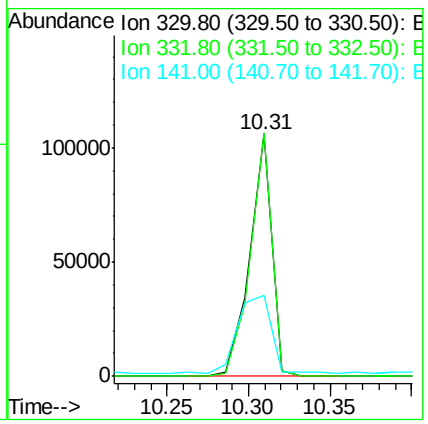


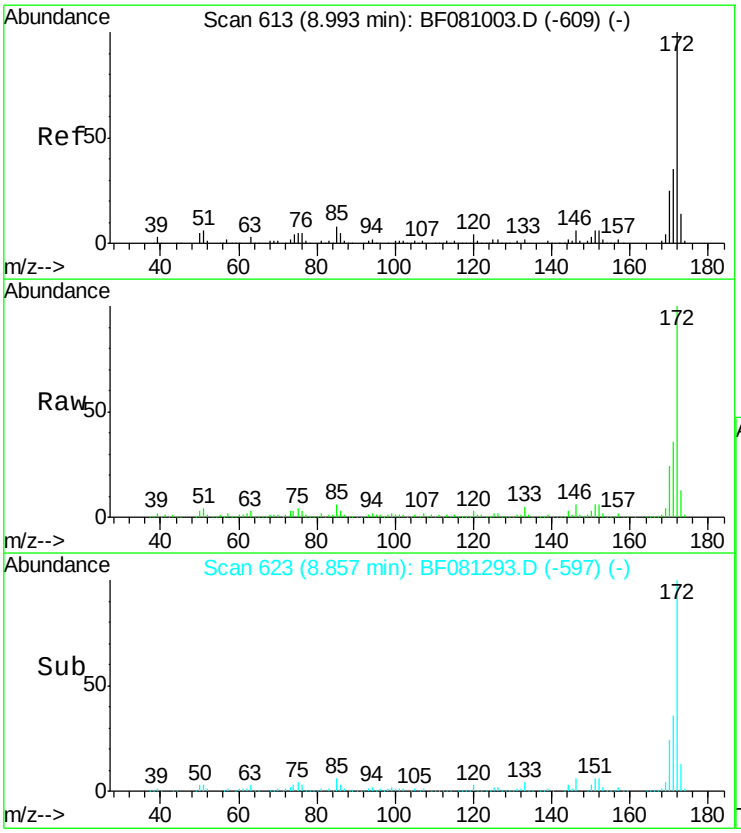

#41
2,4,6-Tribromophenol
Concen: 116.64 ng
RT: 10.31 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:330 Resp: 99212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.5 | 77.3 | 115.9 |
| 141 | 49.6 | 44.9 | 67.3 |

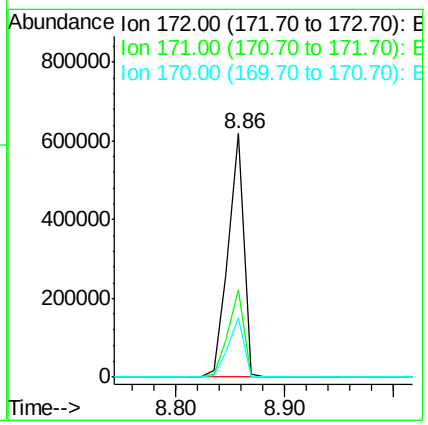


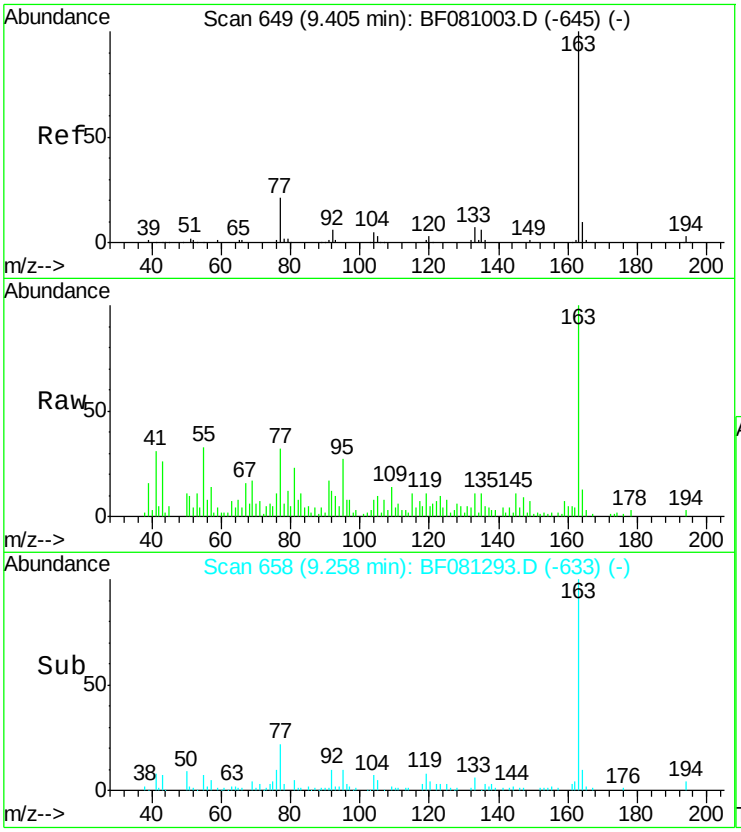




#44
2-Fluorobiphenyl
Concen: 82.54 ng
RT: 8.86 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:172 Resp: 618082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.9 | 43.3 |
| 170 | 24.4 | 19.4 | 29.2 |



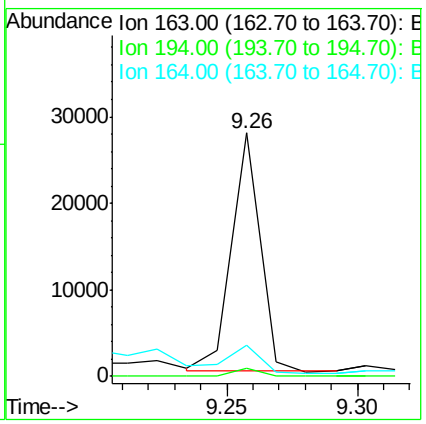


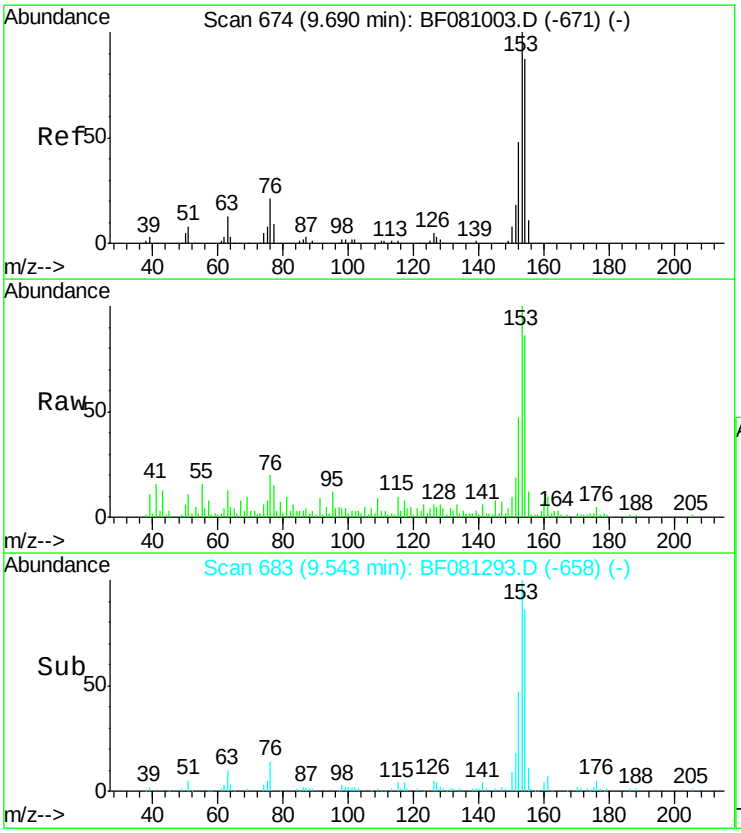

#49
Dimethylphthalate
Concen: 2.62 ng
RT: 9.26 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:163 Resp: 21135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.5 | 3.7 |
| 164 | 13.0 | 8.1 | 12.1# |

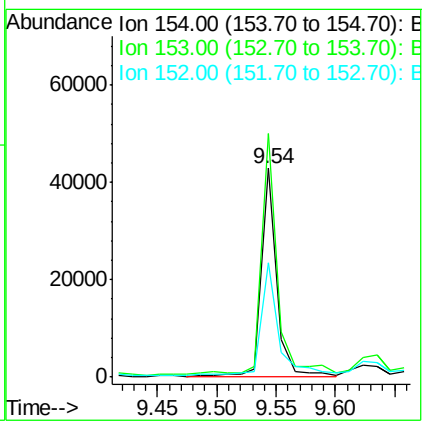


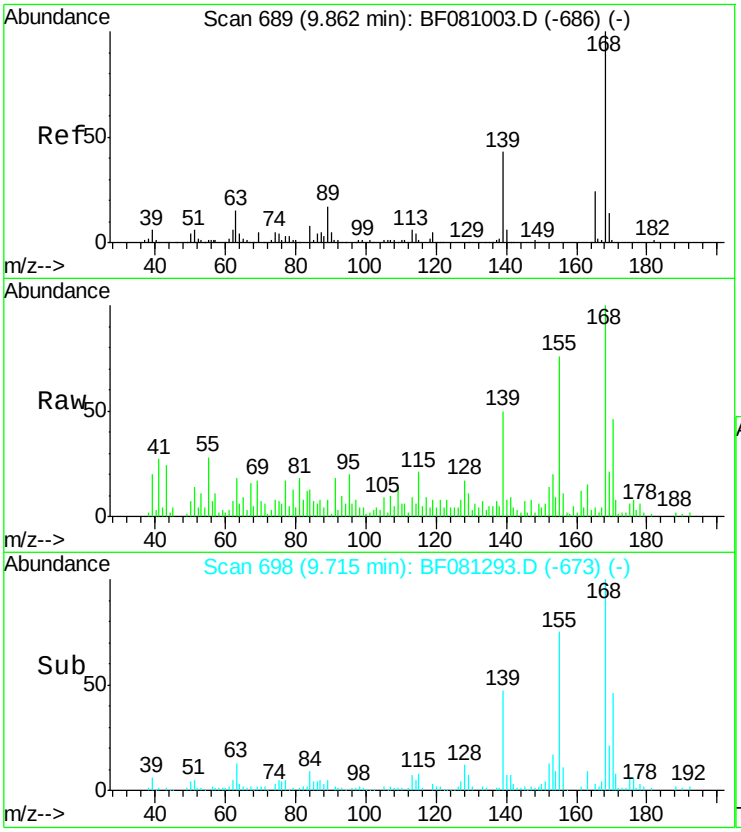




#51
Acenaphthene
Concen: 5.28 ng
RT: 9.54 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:154 Resp: 39264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.6 | 91.4 | 137.2 |
| 152 | 55.0 | 43.7 | 65.5 |



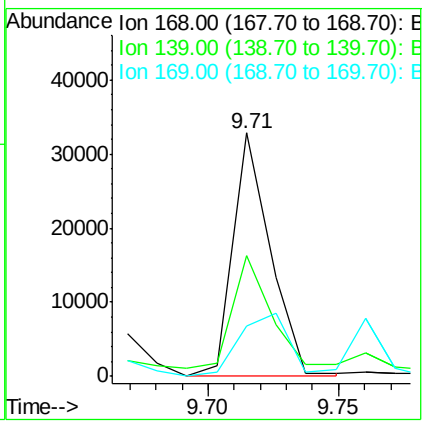


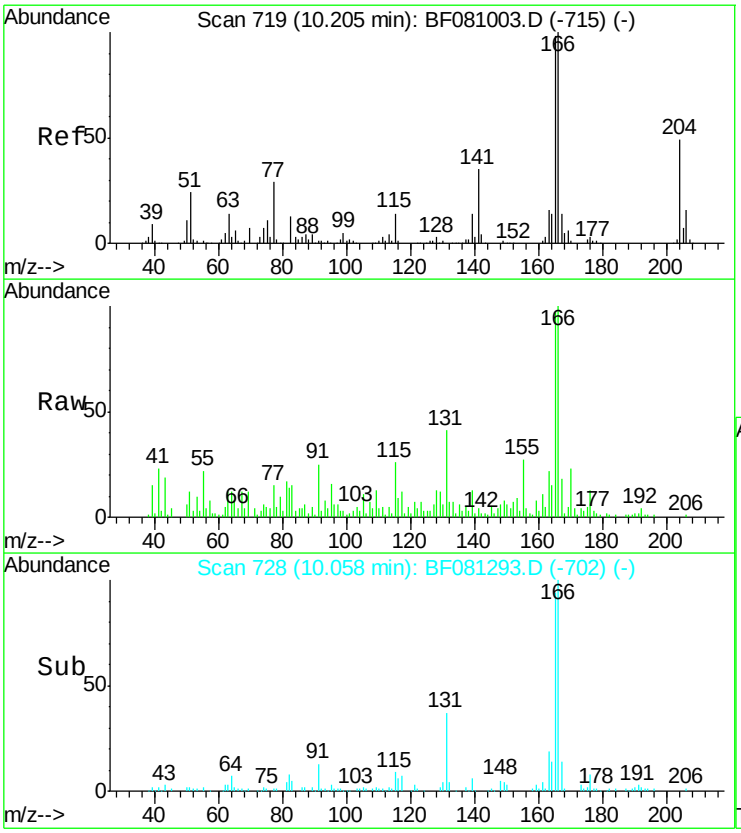

#54
Dibenzofuran
Concen: 3.33 ng
RT: 9.71 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:168 Resp: 33181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 49.8 | 29.3 | 43.9# |
| 169 | 20.6 | 10.3 | 15.5# |

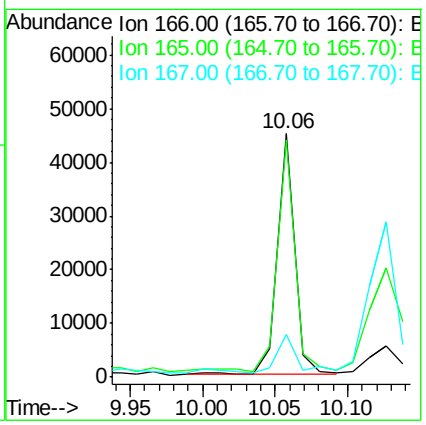


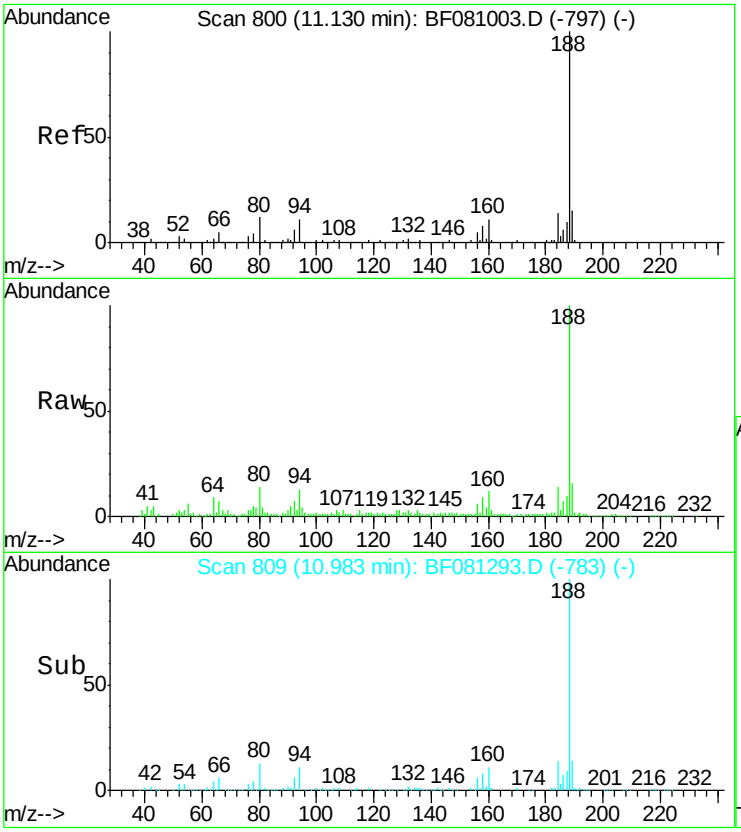




#57
Fluorene
Concen: 4.86 ng
RT: 10.06 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:166 Resp: 37283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 75.8 | 113.8 |
| 167 | 17.5 | 11.3 | 16.9# |



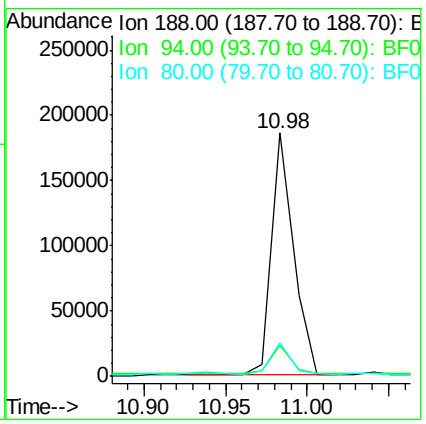


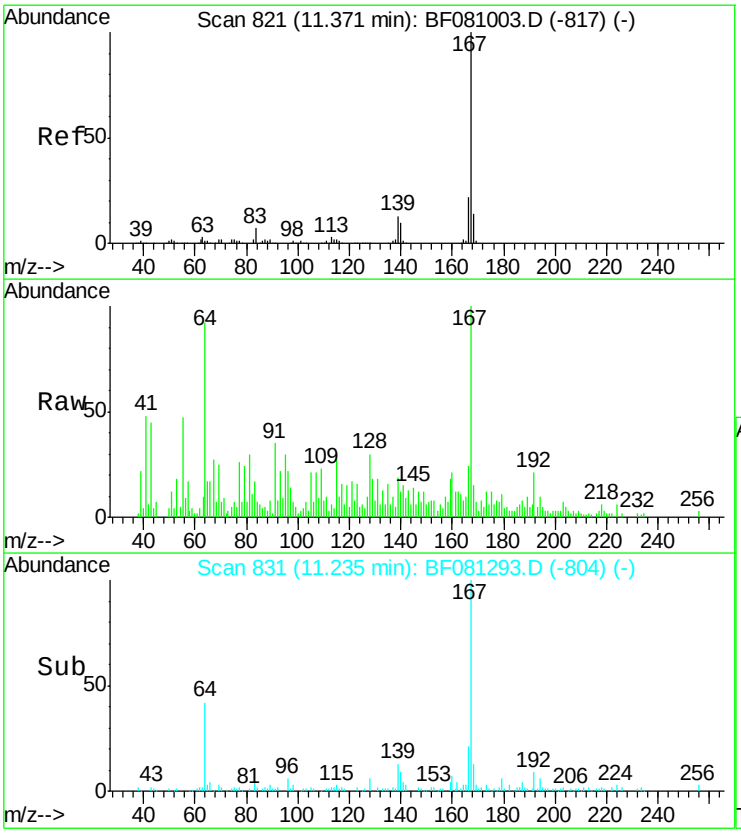

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:188 Resp: 175916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.6 | 8.2 | 12.2# |
| 80 | 13.8 | 9.5 | 14.3 |

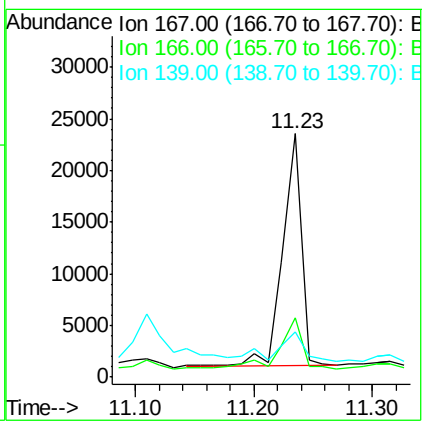


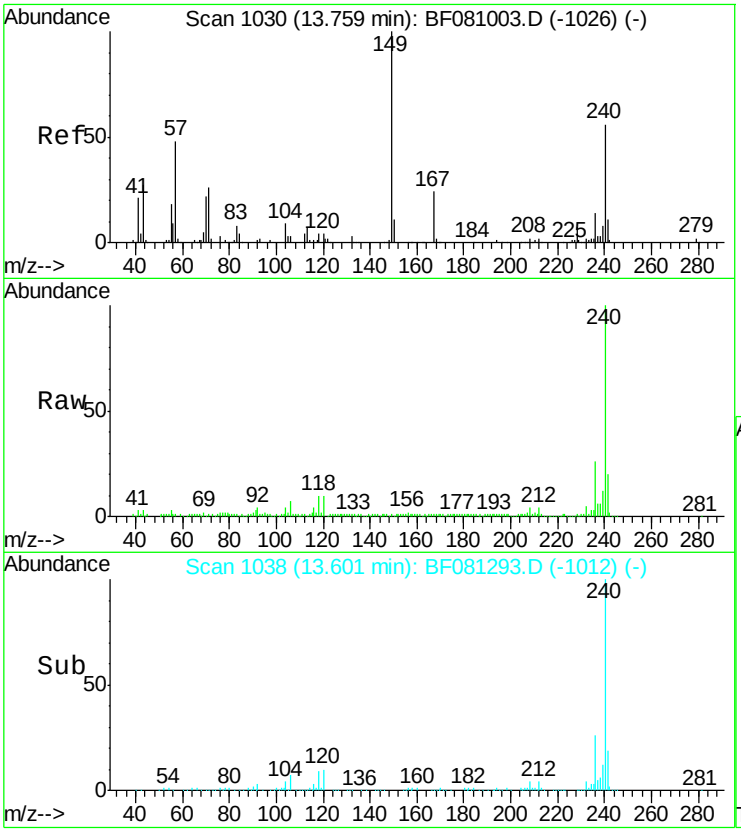




#72
Carbazole
Concen: 2.45 ng
RT: 11.23 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:167 Resp: 23936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 24.1 | 17.4 | 26.0 |
| 139 | 18.7 | 10.6 | 16.0# |



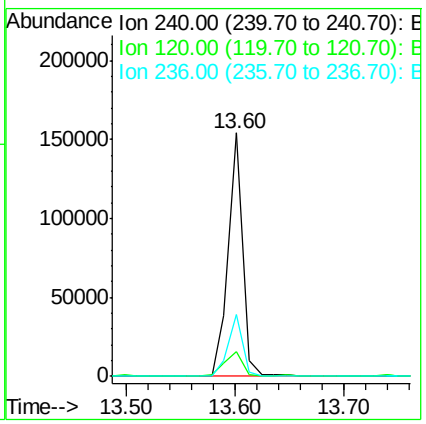


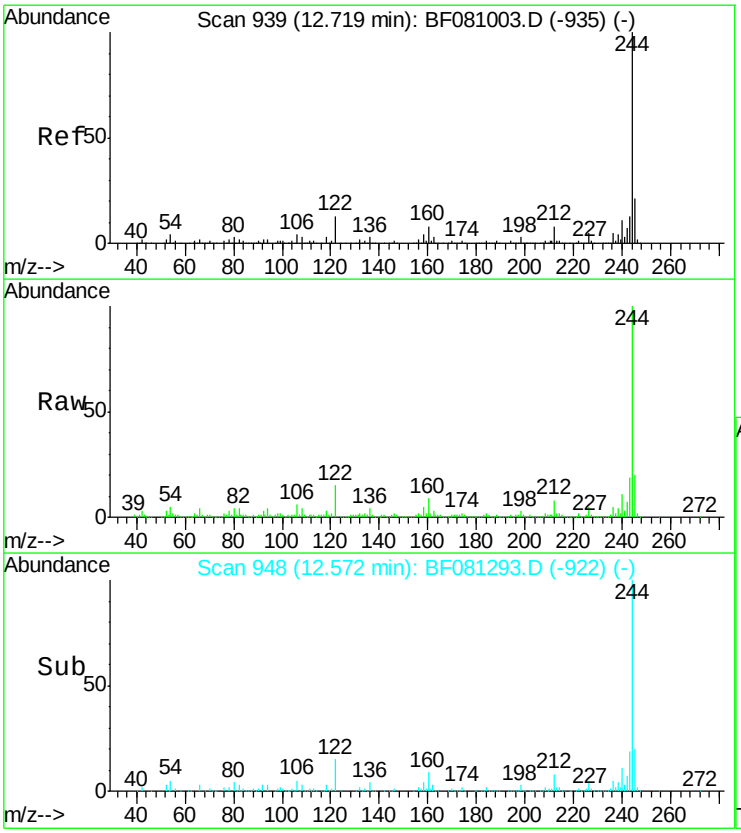

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.60 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:240 Resp: 139944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 5.6 | 8.4# |
| 236 | 25.5 | 20.6 | 30.8 |

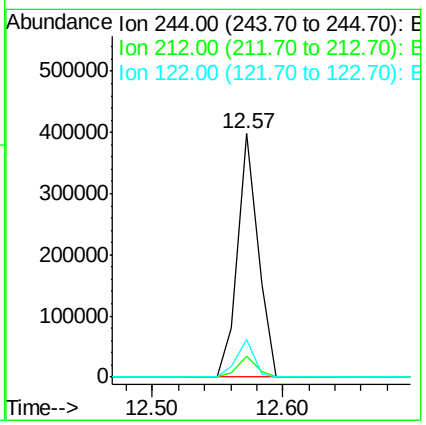


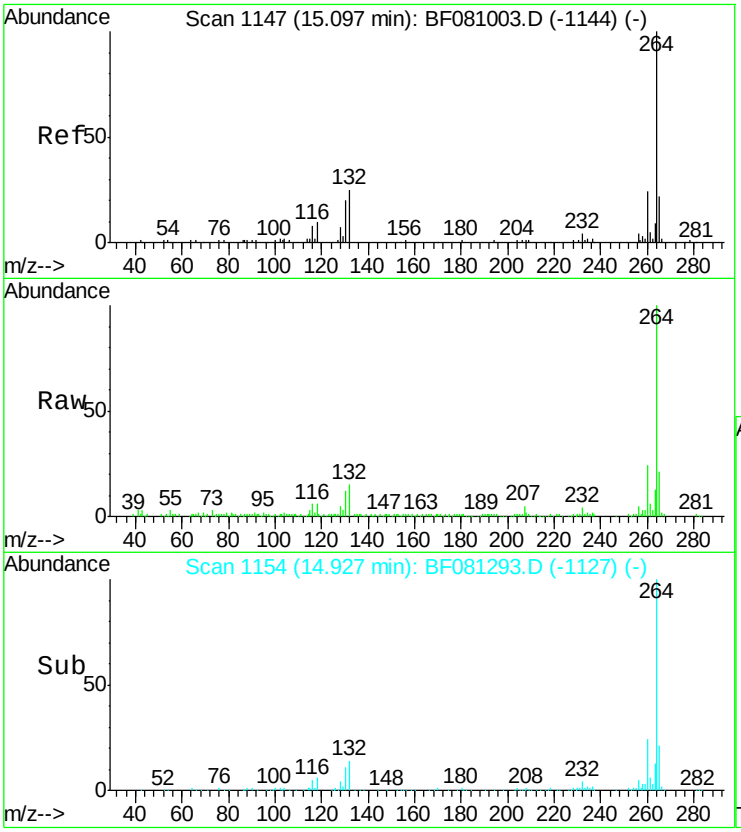




#78
Terphenyl-d14
Concen: 66.28 ng
RT: 12.57 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:244 Resp: 432675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 5.8 | 8.8 |
| 122 | 15.2 | 8.2 | 12.4# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

**Instrument :**
BNA_F
**ClientSampleId :**
MW-06

Tgt Ion:264 Resp: 105982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.6 | 29.4 |
| 265 | 21.5 | 17.5 | 26.3 |