Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
Data File : BF085356.D
Acq On : 11 Mar 2016 2:13
Operator : UM/SJ
Sample : H1623-03RE
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HSR-WC-30-022516RE

Quant Time: Mar 11 02:52:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 11 00:01:03 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 140250 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 514611 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 223036 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 355414 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.09 | 240 | 271254 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.56 | 264 | 284920 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 1454757 | 173.99 | ng | 0.03 |
| 7) Phenol-d6 | 6.57 | 99 | 1235962 | 112.83 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 960838 | 99.91 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.77 | 330 | 294830 | 154.49 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1635719 | 111.54 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.05 | 244 | 1159449 | 99.23 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 8.24 | 128 | 687254 | 27.16 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 63082 | 3.88 | ng | 98 |
| 51) Acenaphthene | 10.01 | 154 | 27723 | 2.02 | ng | 98 |

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

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Acq On : 11 Mar 2016 2:13
Operator : UM/SJ
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Misc :
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**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Quant Time: Mar 11 02:52:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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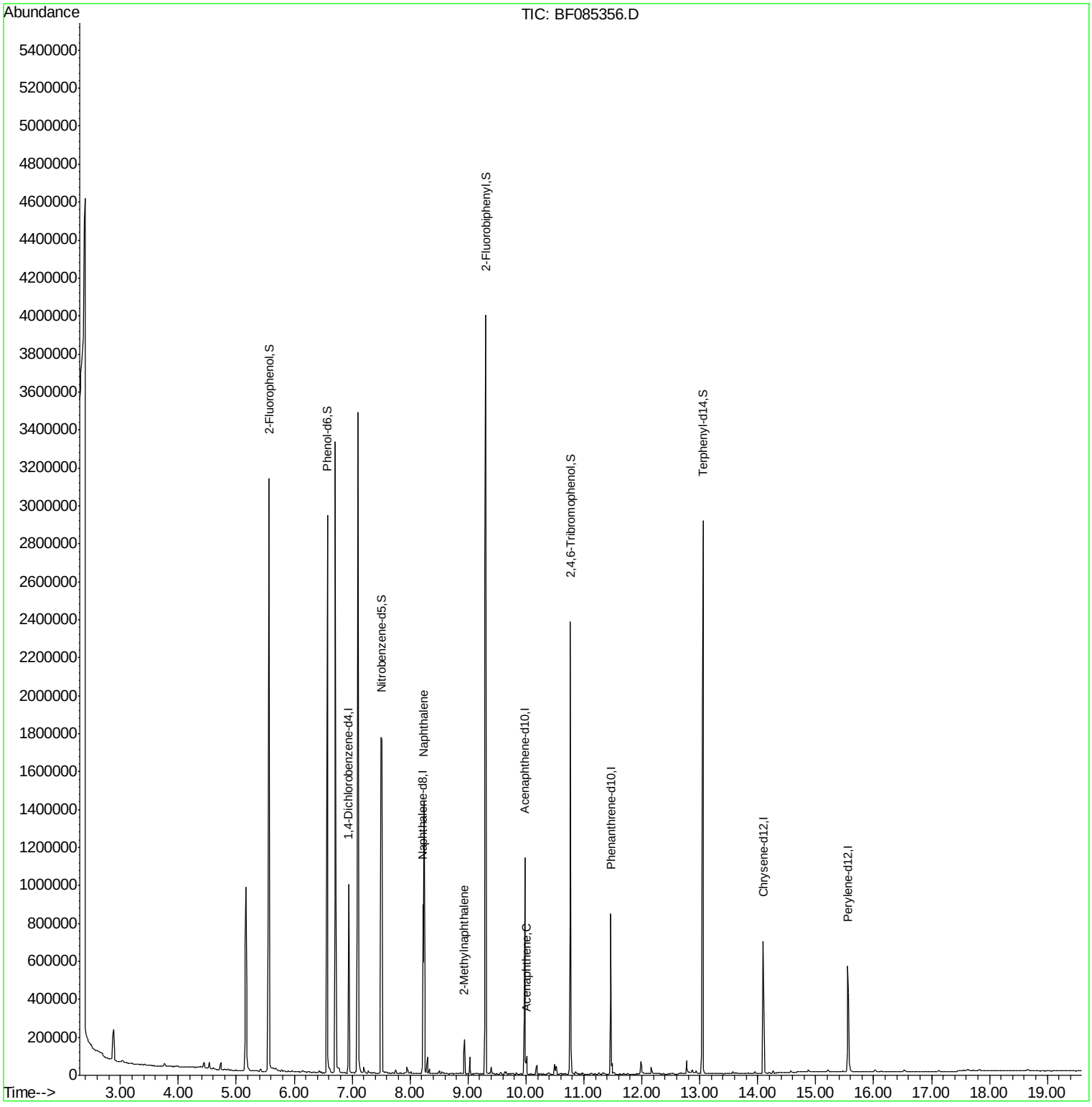
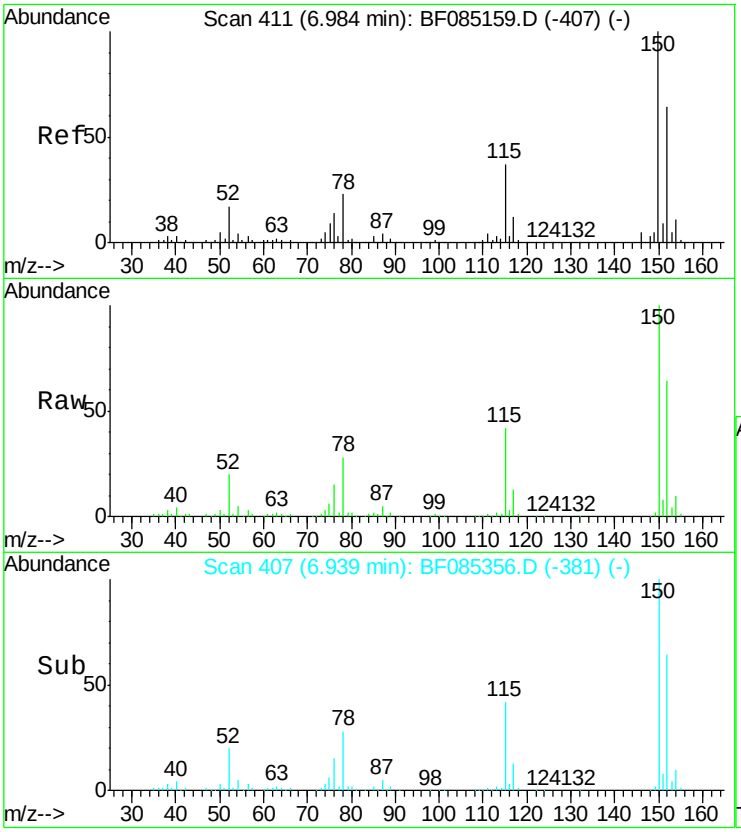


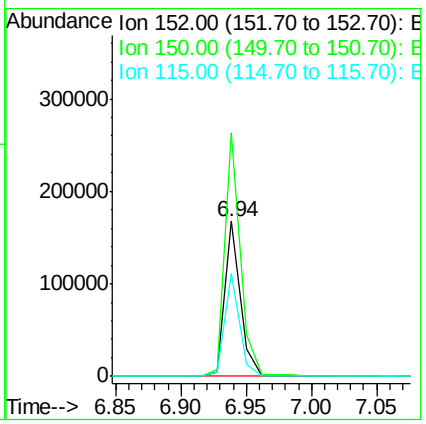


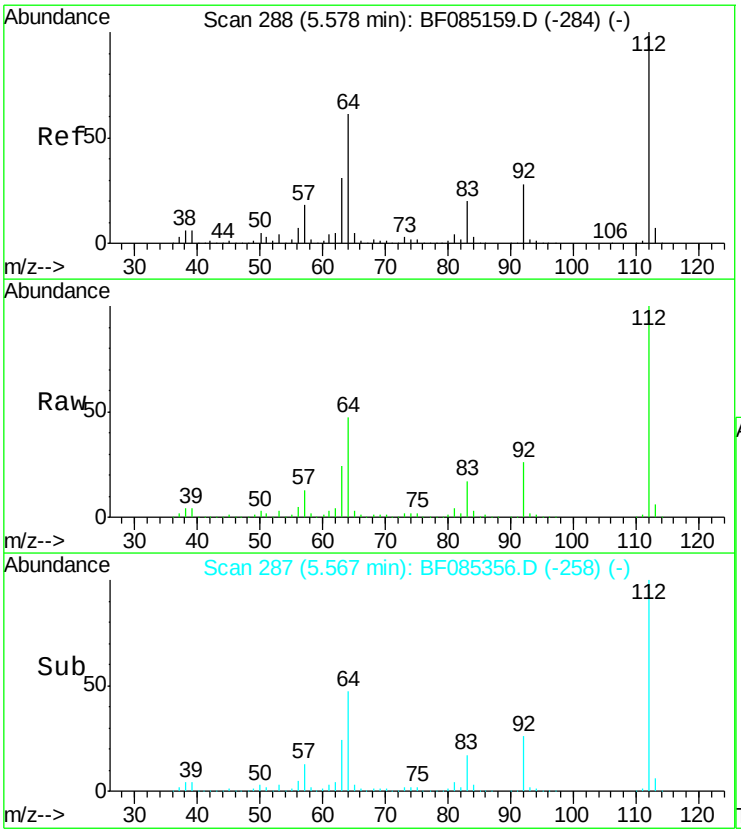

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion:152 Resp: 140250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 124.6 | 186.8 |
| 115 | 66.6 | 46.6 | 70.0 |

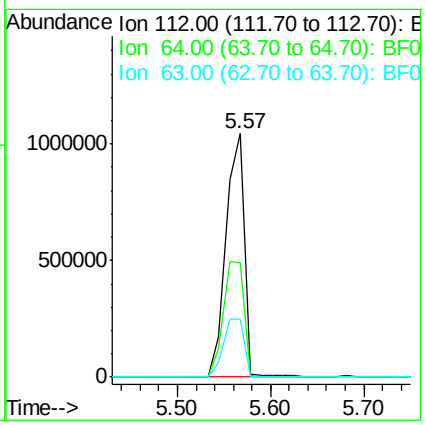


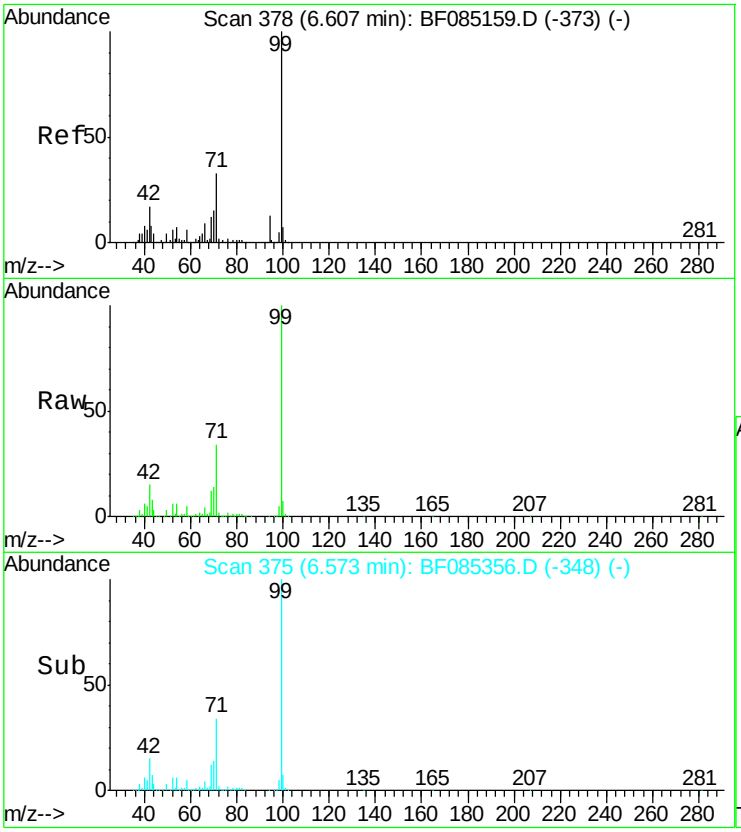




#5
2-Fluorophenol
Concen: 173.99 ng
RT: 5.57 min Scan# 287
Delta R.T. 0.03 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:112 Resp: 1454757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.2 | 49.0 | 73.4# |
| 63 | 23.6 | 24.8 | 37.2# |



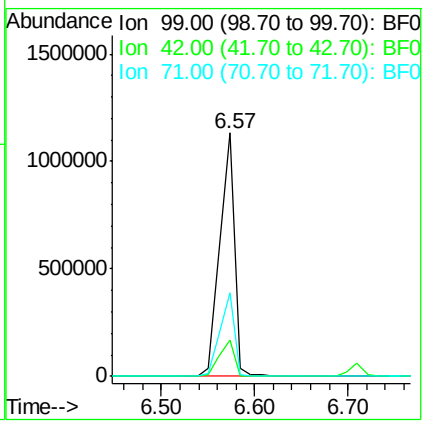


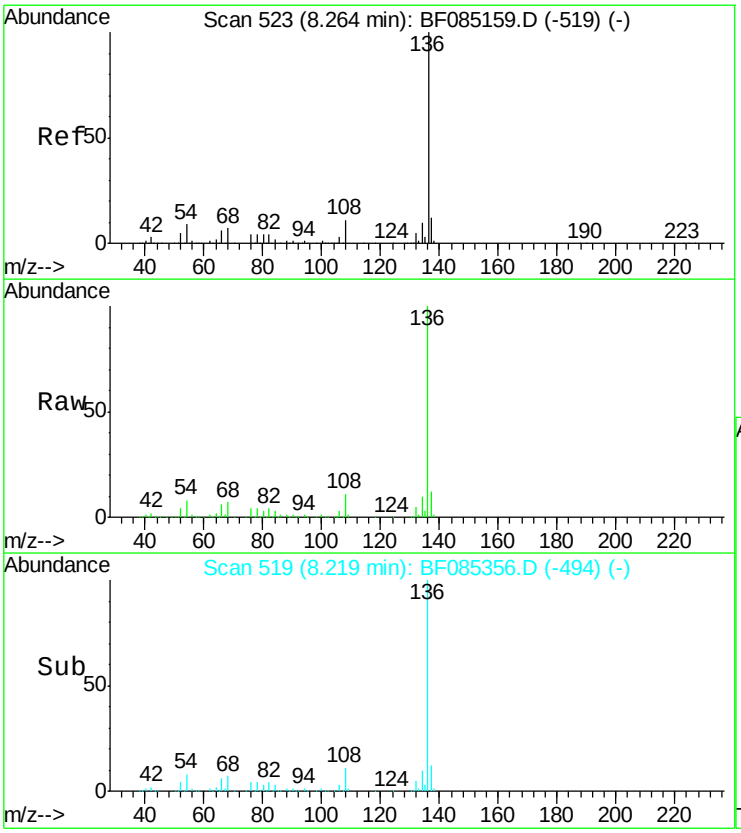

#7
Phenol-d6
Concen: 112.83 ng
RT: 6.57 min Scan# 375
Delta R.T. 0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion: 99 Resp: 1235962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.8 | 13.6 | 20.4 |
| 71 | 34.3 | 26.7 | 40.1 |

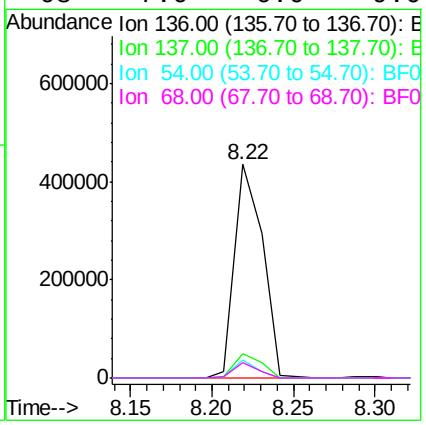


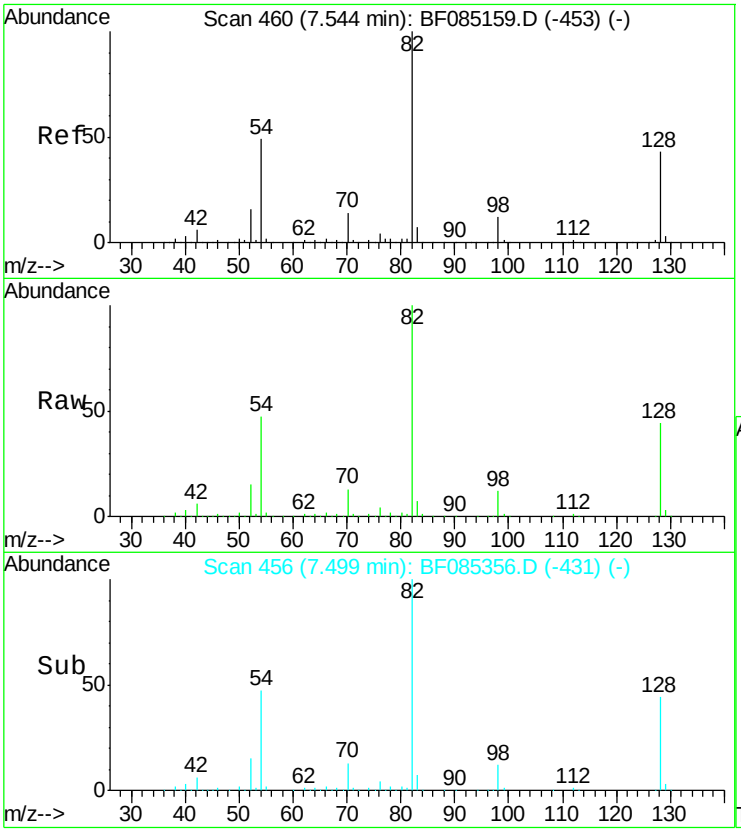




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:136 Resp: 514611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 9.3 | 13.9 |
| 54 | 8.4 | 7.4 | 11.2 |
| 68 | 7.0 | 6.0 | 9.0 |



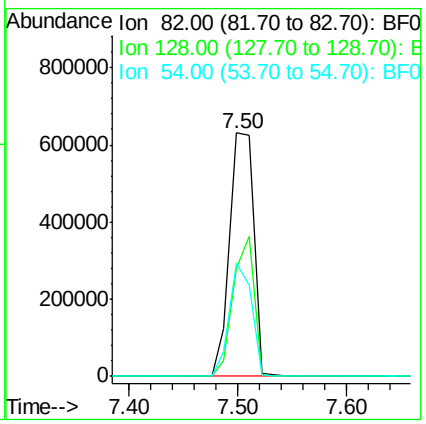


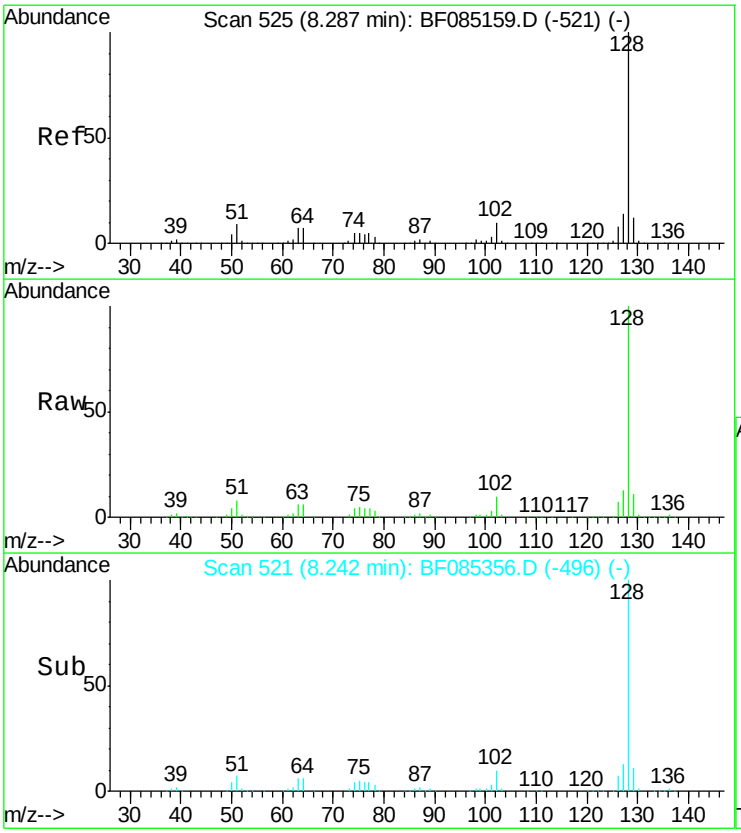

#23
Nitrobenzene-d5
Concen: 99.91 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion: 82 Resp: 960838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 34.5 | 51.7 |
| 54 | 46.6 | 39.3 | 58.9 |

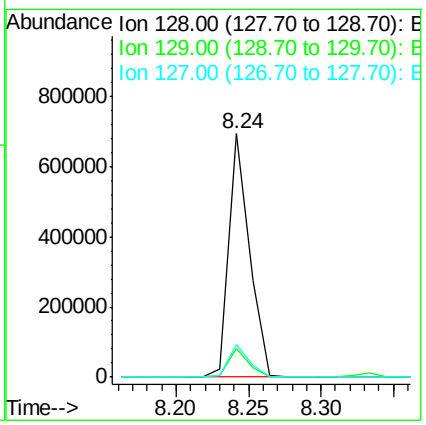


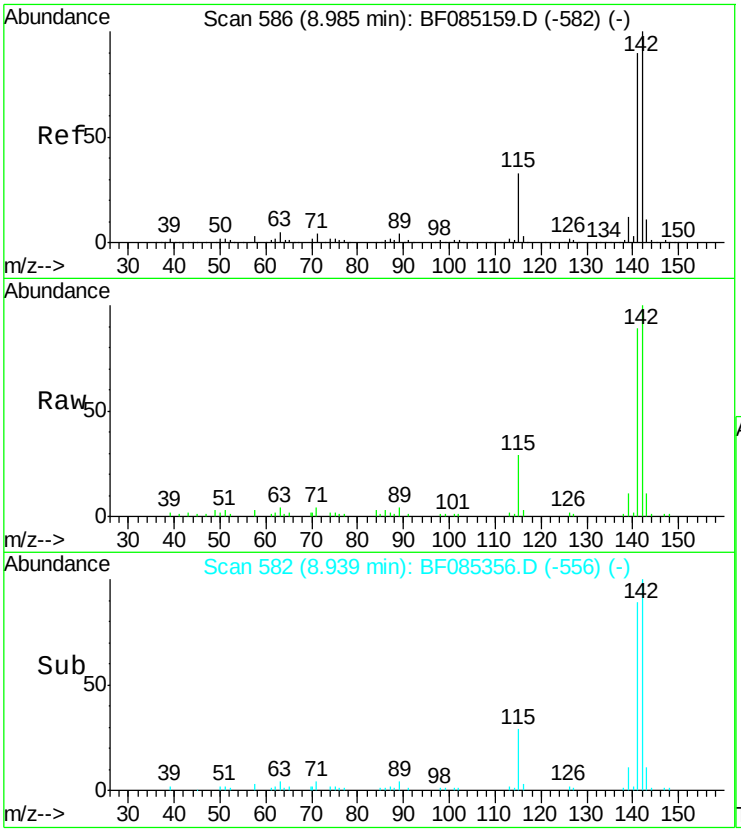




#31
Naphthalene
Concen: 27.16 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:128 Resp: 687254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.7 | 14.5 |
| 127 | 13.2 | 11.2 | 16.8 |



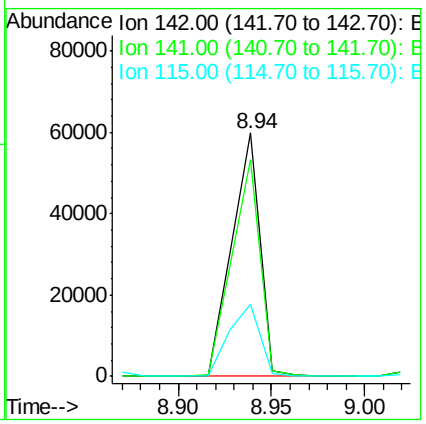


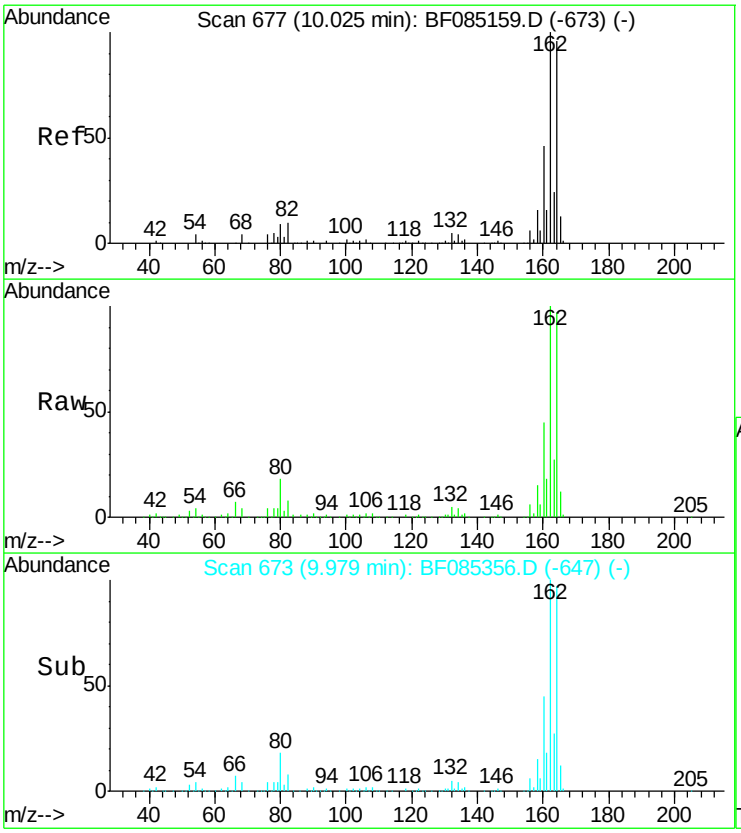

#37
2-Methylnaphthalene
Concen: 3.88 ng
RT: 8.94 min Scan# 582
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion:142 Resp: 63082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.7 | 107.5 |
| 115 | 29.4 | 26.2 | 39.4 |

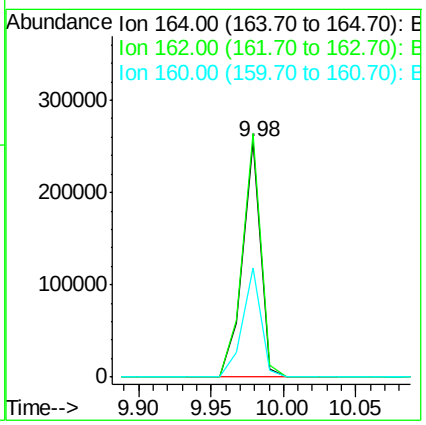


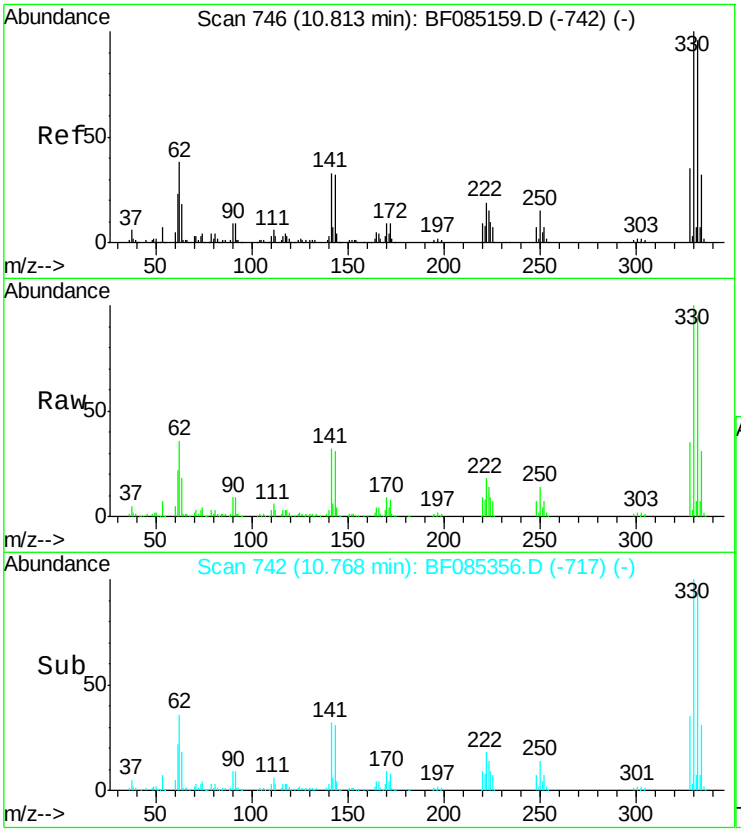




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:164 Resp: 223036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 83.3 | 124.9 |
| 160 | 46.2 | 37.9 | 56.9 |



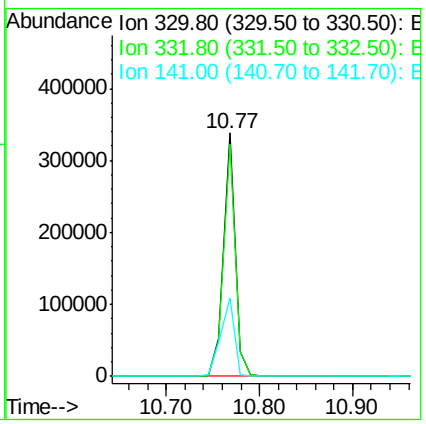


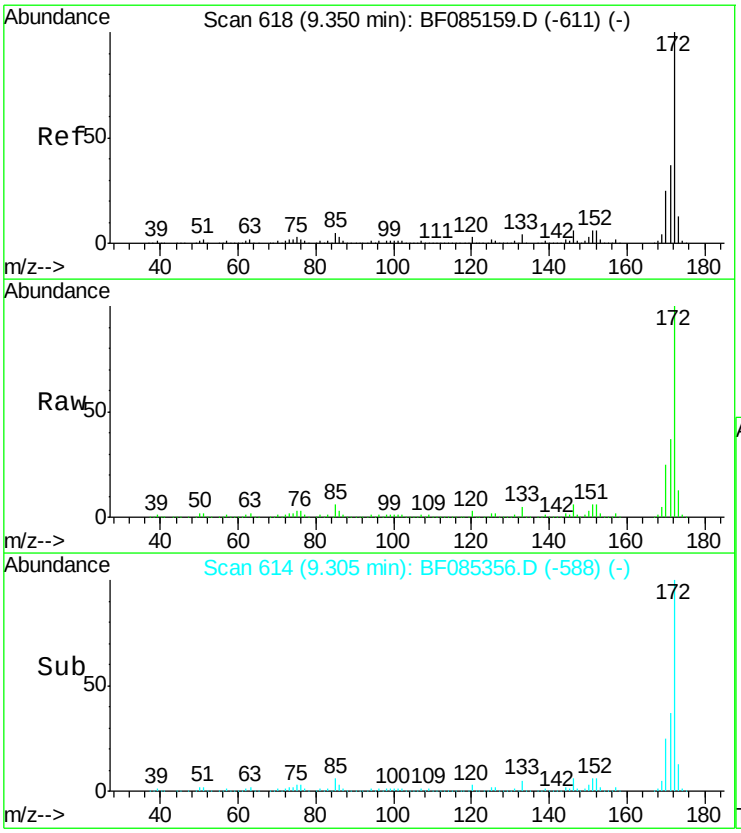

#41
2,4,6-Tribromophenol
Concen: 154.49 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion:330 Resp: 294830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.1 | 115.7 |
| 141 | 37.6 | 35.0 | 52.6 |

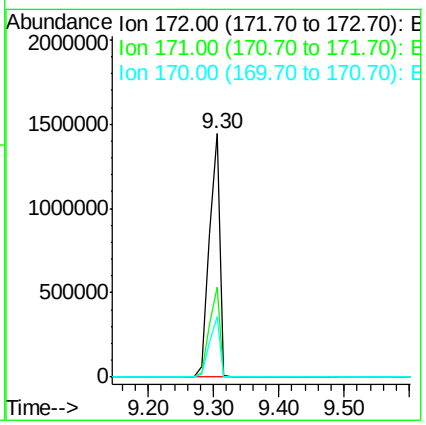


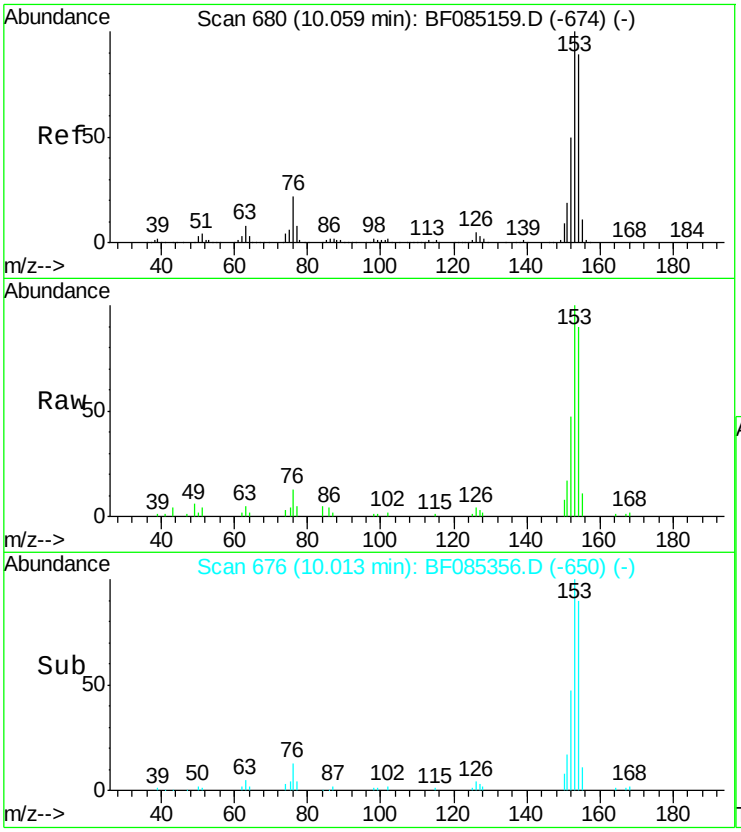




#44
2-Fluorobiphenyl
Concen: 111.54 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:172 Resp: 1635719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 29.3 | 43.9 |
| 170 | 24.6 | 20.0 | 30.0 |



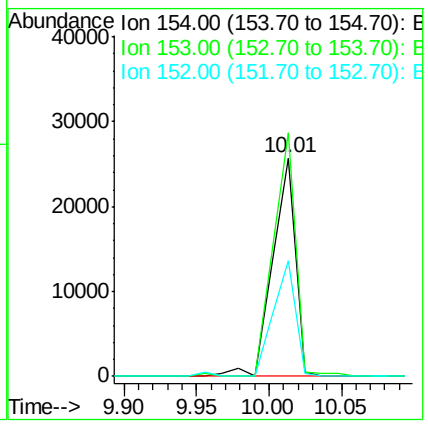


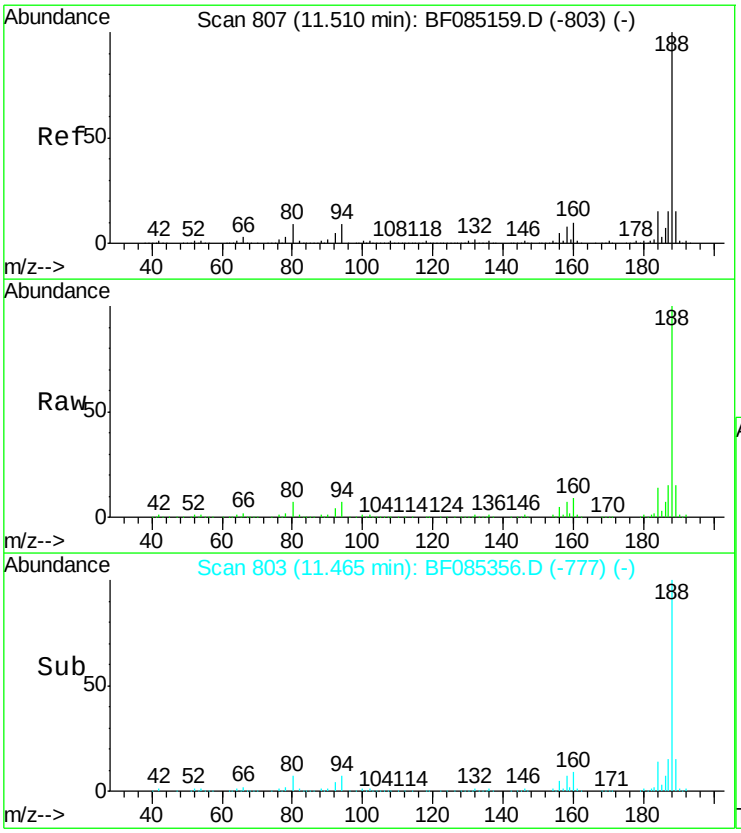

#51
Acenaphthene
Concen: 2.02 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion:154 Resp: 27723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 89.8 | 134.8 |
| 152 | 52.8 | 44.6 | 66.8 |

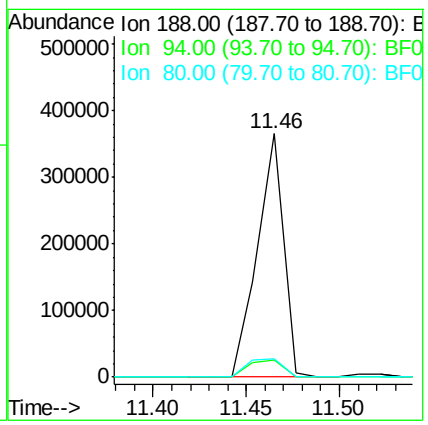


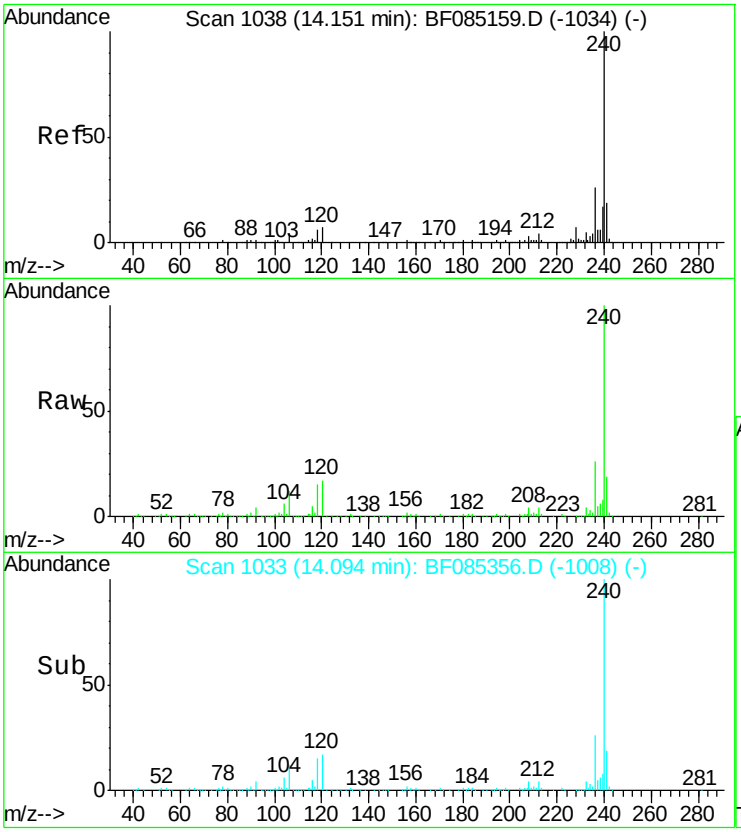




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:188 Resp: 355414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 7.0 | 10.6 |
| 80 | 7.4 | 7.4 | 11.0 |



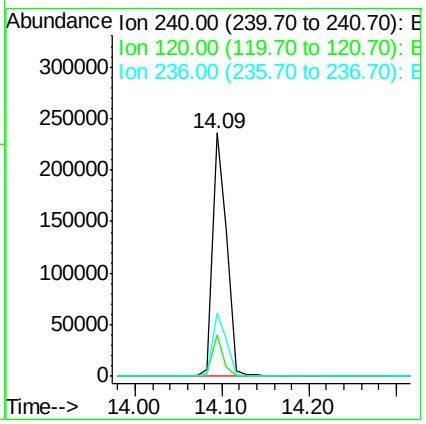


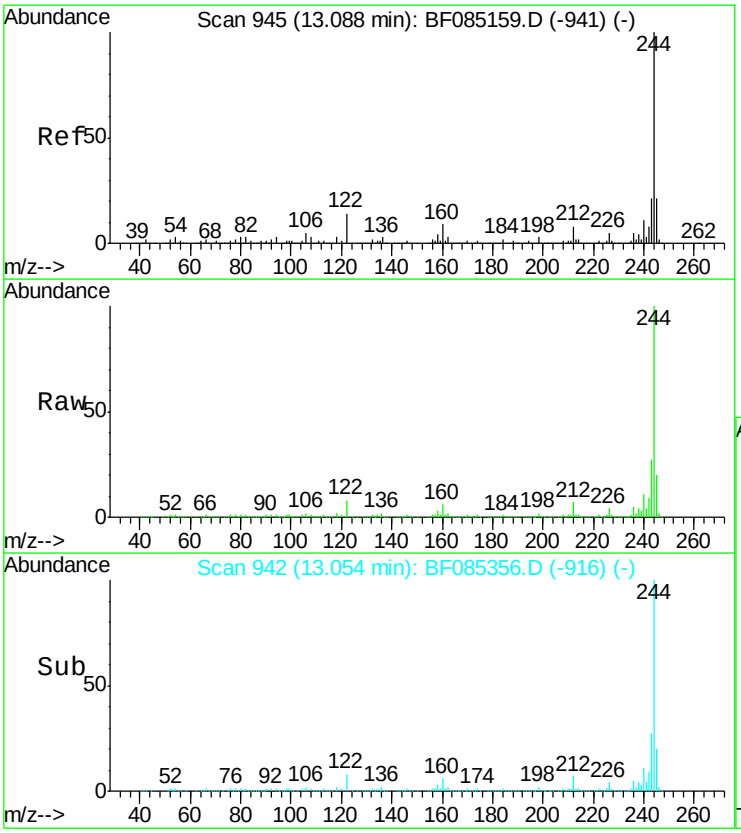

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion:240 Resp: 271254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 17.0 | 5.3 | 7.9# |
| 236 | 25.7 | 20.7 | 31.1 |

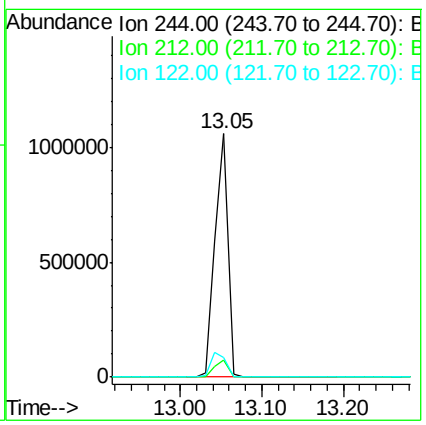


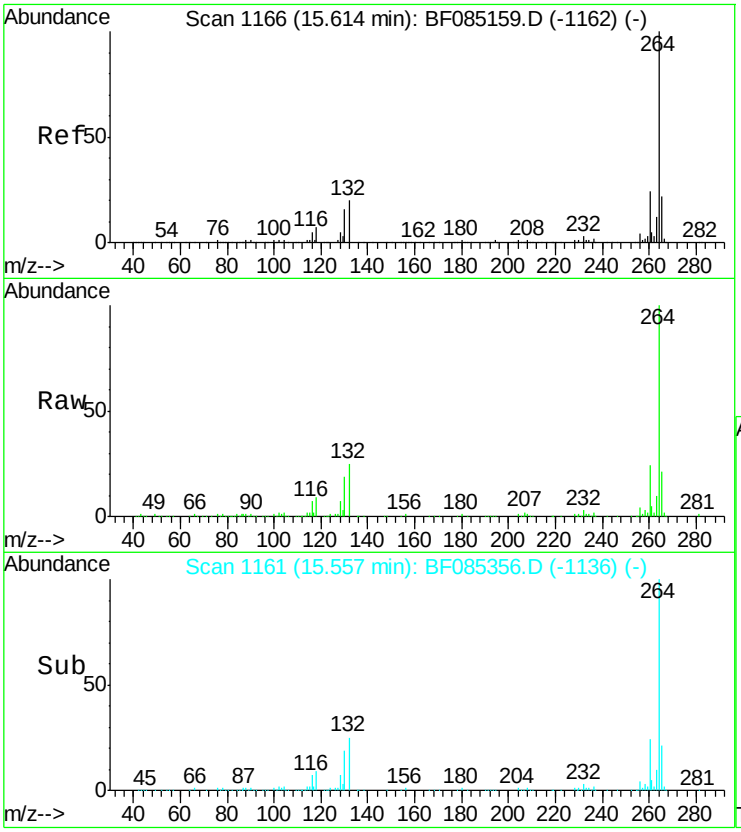




#78
Terphenyl-d14
Concen: 99.23 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

Tgt Ion:244 Resp: 1159449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.4 | 9.6 |
| 122 | 8.0 | 11.4 | 17.2# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF085356.D
Acq: 11 Mar 2016 2:13

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-30-022516RE

Tgt Ion:264 Resp: 284920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.2 | 28.8 |
| 265 | 21.2 | 17.3 | 25.9 |