Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110817\
Data File : BF100327.D
Acq On : 9 Nov 2017 7:43
Operator : SJ/JU
Sample : I6381-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-4651

Quant Time: Nov 09 08:56:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 14:33:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 188806 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 746613 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 316256 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 485928 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 353577 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.54 | 264 | 328810 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 1268751 | 107.72 | ng | 0.02 |
| 7) Phenol-d6 | 6.53 | 99 | 1392987 | 95.91 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 1053171 | 93.26 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 342598 | 106.31 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 1827604 | 88.00 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.01 | 244 | 1219169 | 79.23 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 8.20 | 128 | 589033 | 16.380 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 69148 | 2.896 | ng | 99 |
| 51) Acenaphthene | 9.97 | 154 | 42351 | 2.118 | ng | 98 |

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

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Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110817\
Data File : BF100327.D
Acq On : 9 Nov 2017 7:43
Operator : SJ/JU
Sample : I6381-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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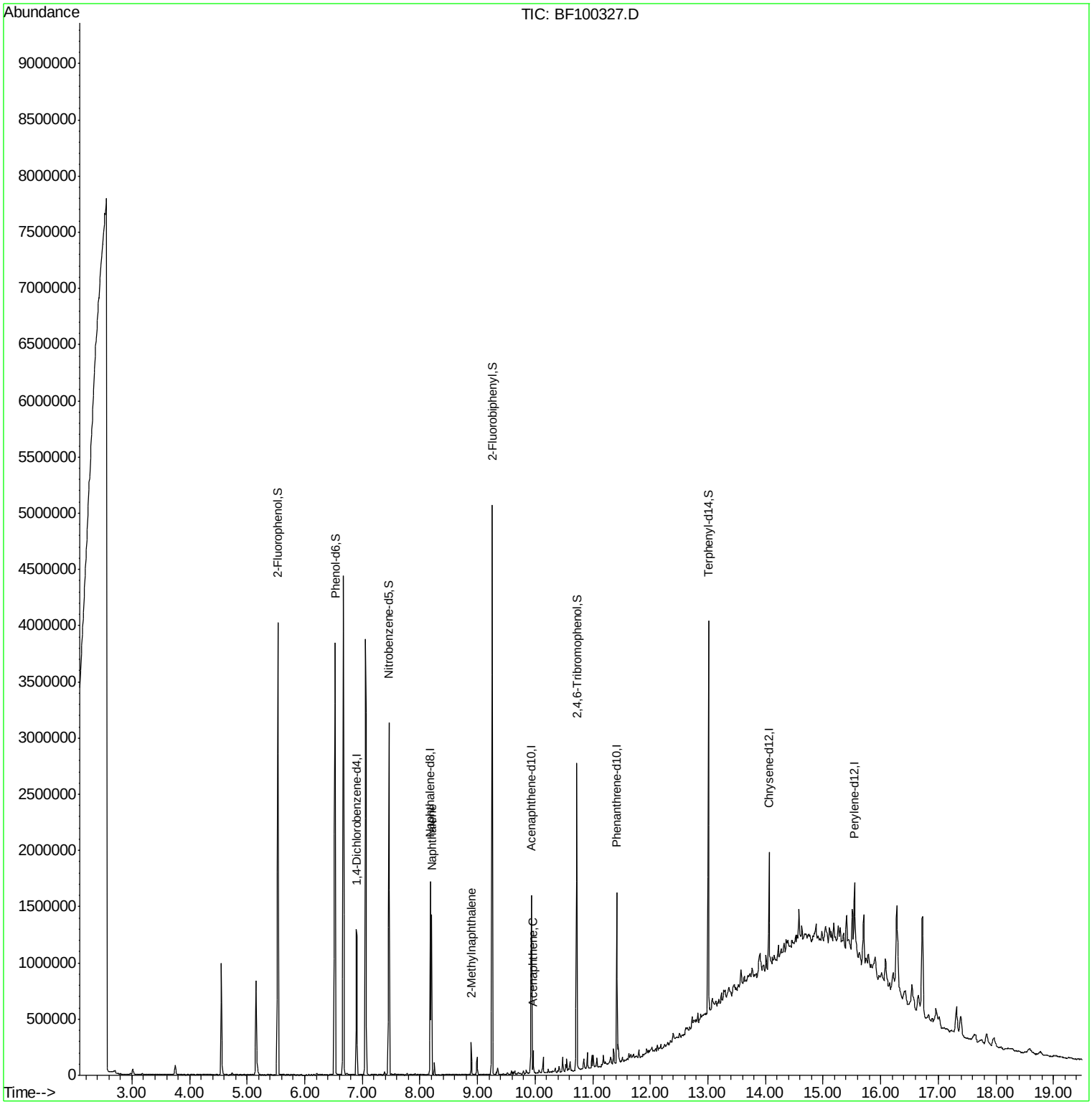
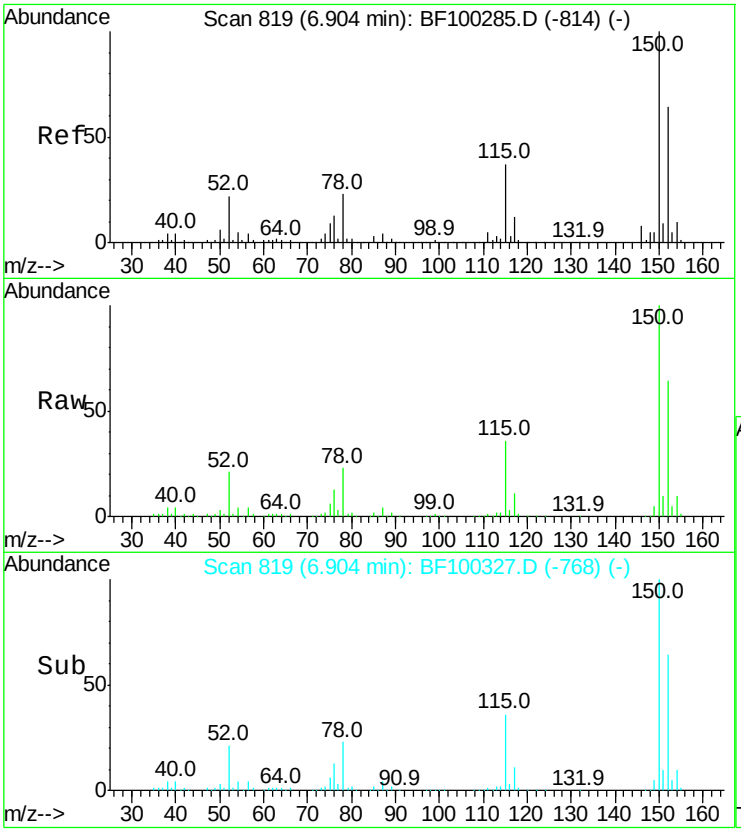


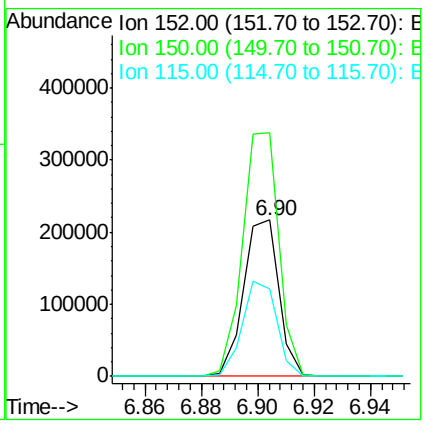


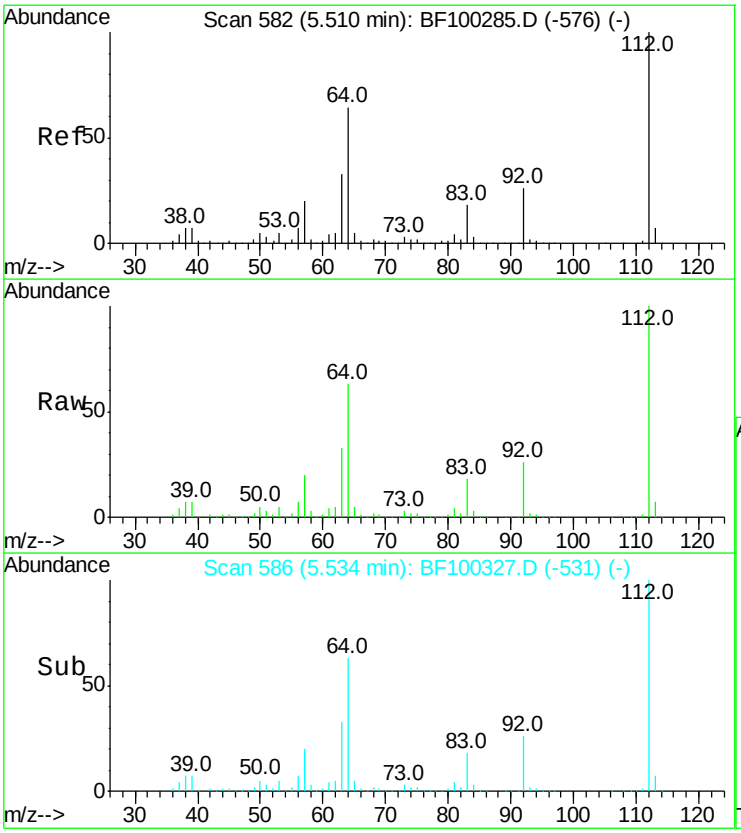

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion:152 Resp: 188806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 124.6 | 186.8 |
| 115 | 55.6 | 50.1 | 75.1 |

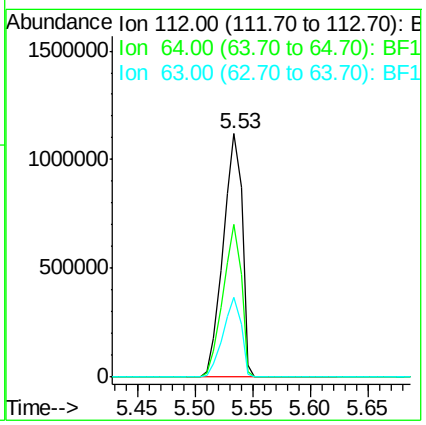


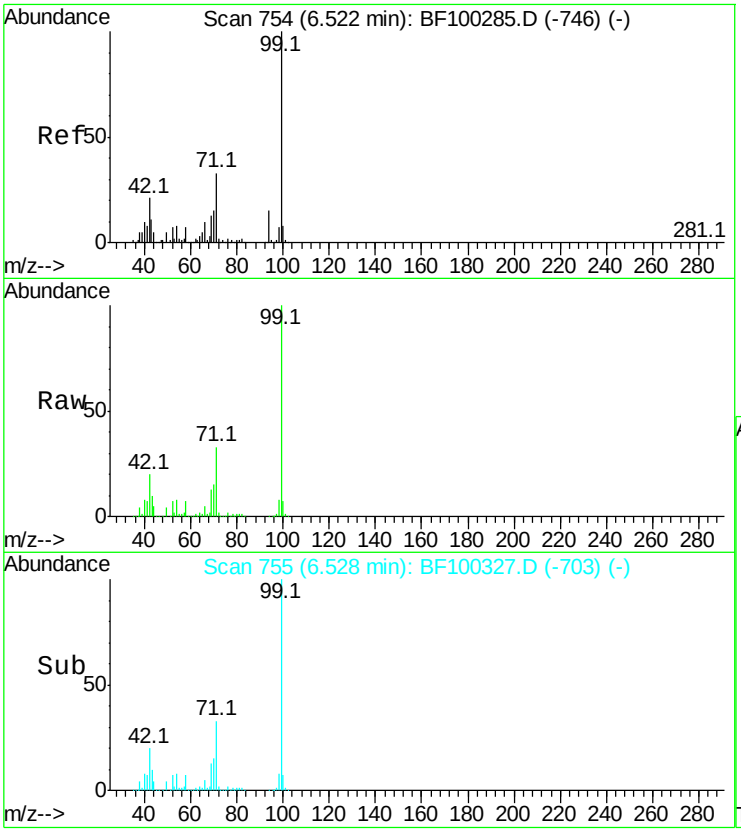




#5
2-Fluorophenol
Concen: 107.719 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:112 Resp: 1268751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.8 | 47.9 | 71.9 |
| 63 | 32.6 | 23.7 | 35.5 |



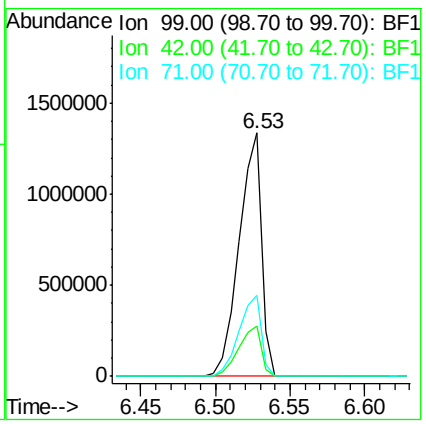


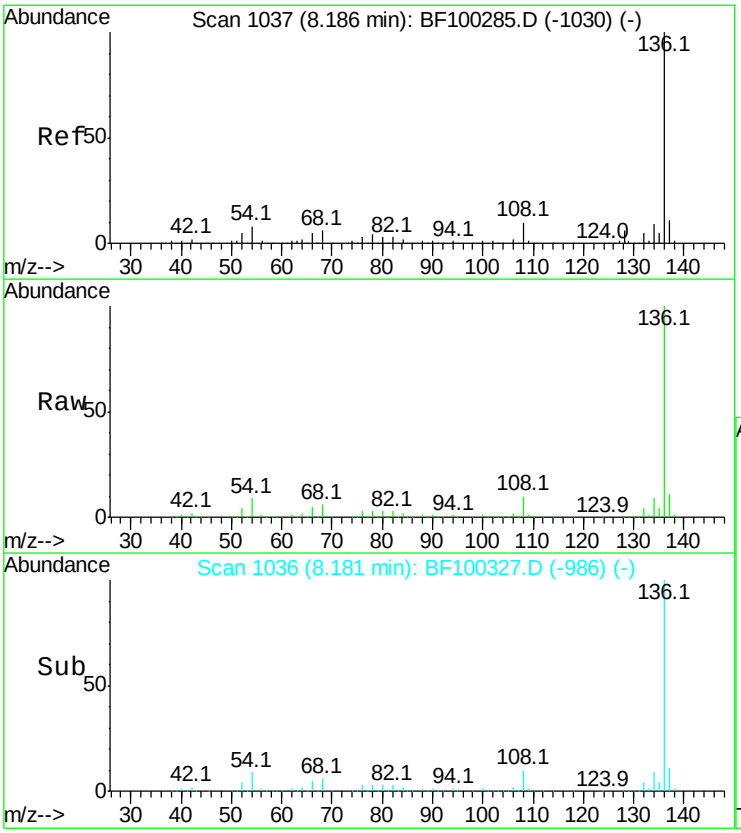

#7
Phenol-d6
Concen: 95.907 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion: 99 Resp: 1392987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 14.5 | 21.7 |
| 71 | 33.3 | 25.4 | 38.0 |

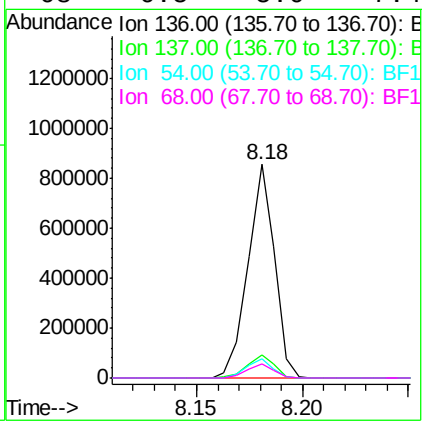


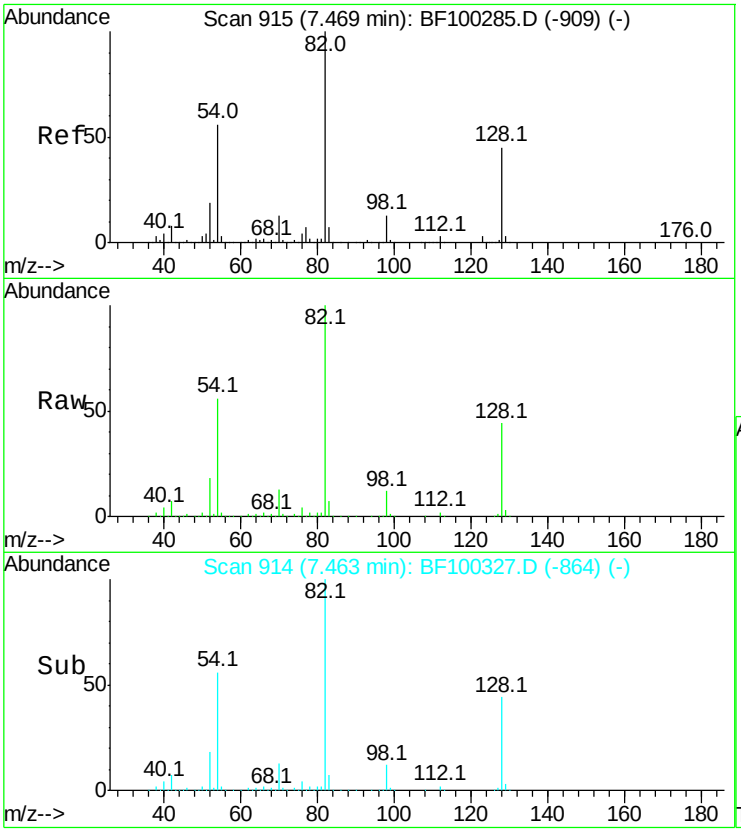




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:136 Resp: 746613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 8.8 | 6.6 | 9.8 |
| 68 | 6.5 | 5.0 | 7.4 |



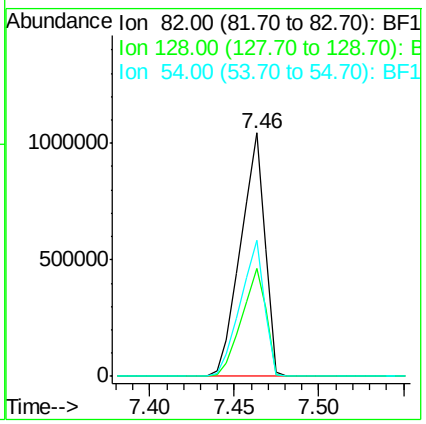


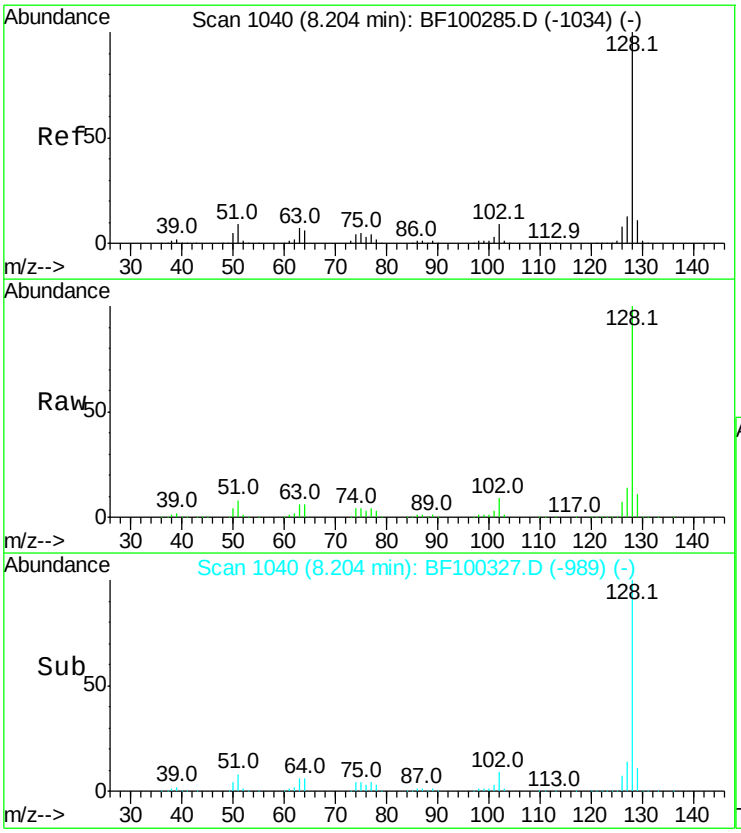

#23
Nitrobenzene-d5
Concen: 93.259 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion: 82 Resp: 1053171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 36.1 | 54.1 |
| 54 | 55.7 | 41.4 | 62.2 |

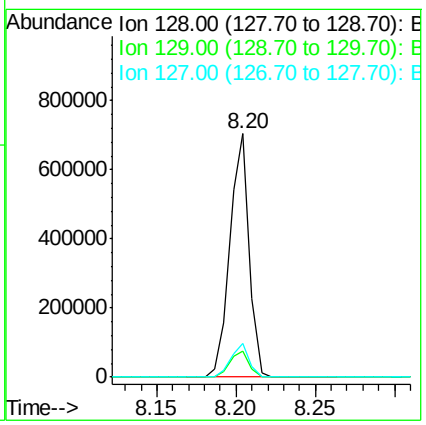


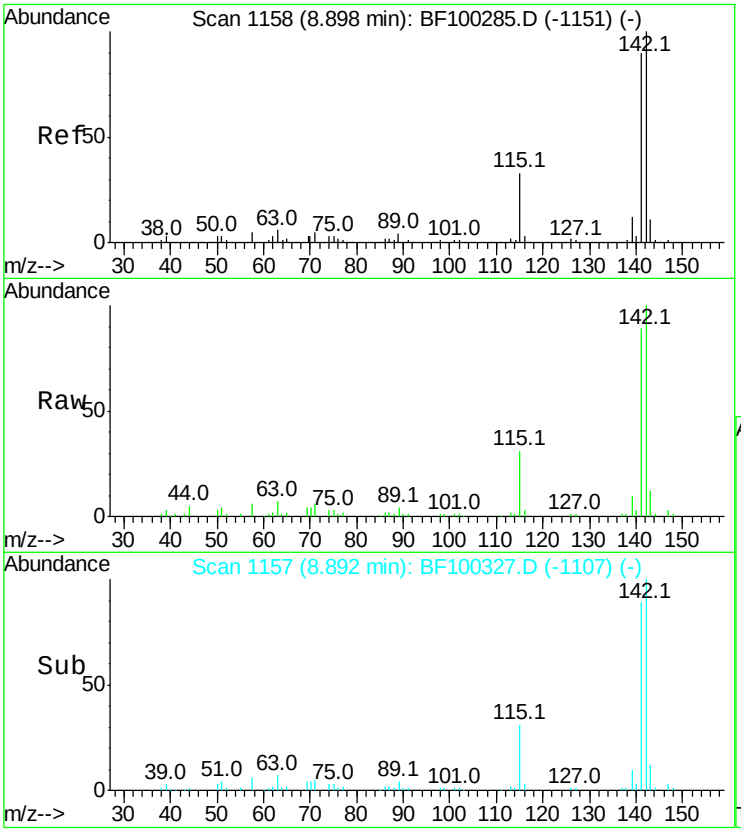




#31
Naphthalene
Concen: 16.380 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:128 Resp: 589033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 13.7 | 10.9 | 16.3 |



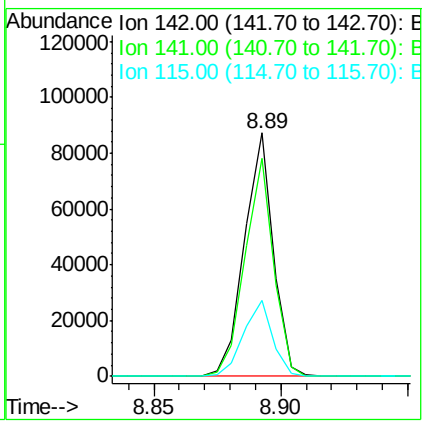


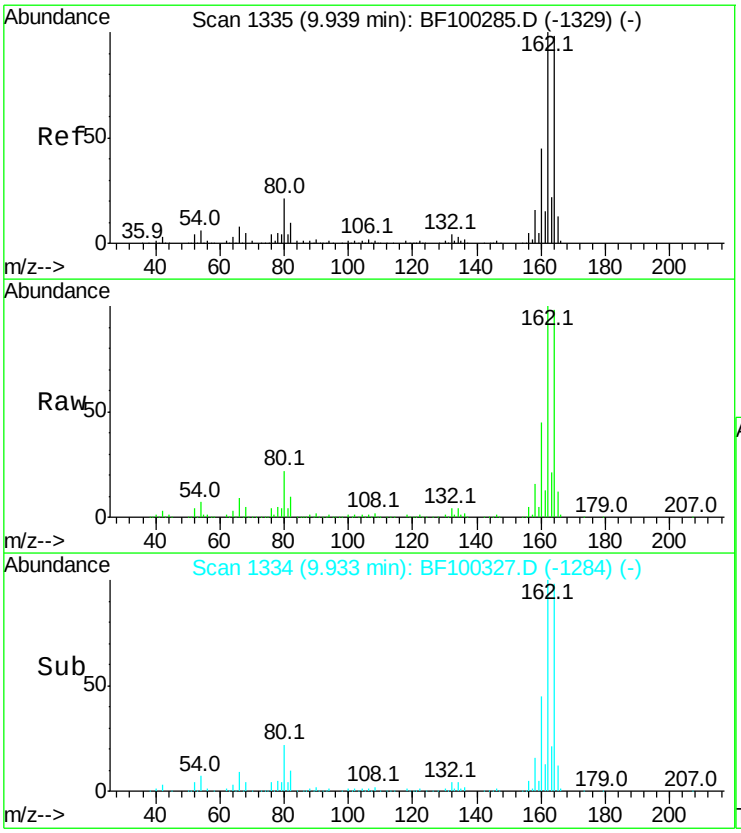

#37
2-Methylnaphthalene
Concen: 2.896 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion:142 Resp: 69148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.5 | 70.8 | 106.2 |
| 115 | 31.3 | 26.1 | 39.1 |

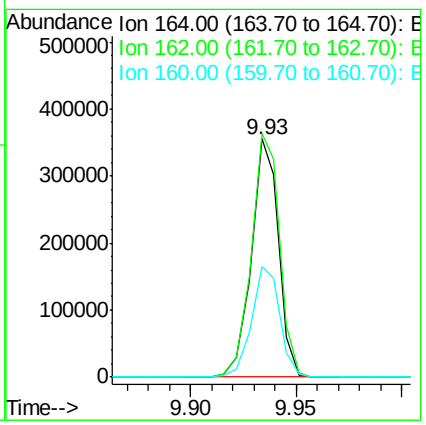


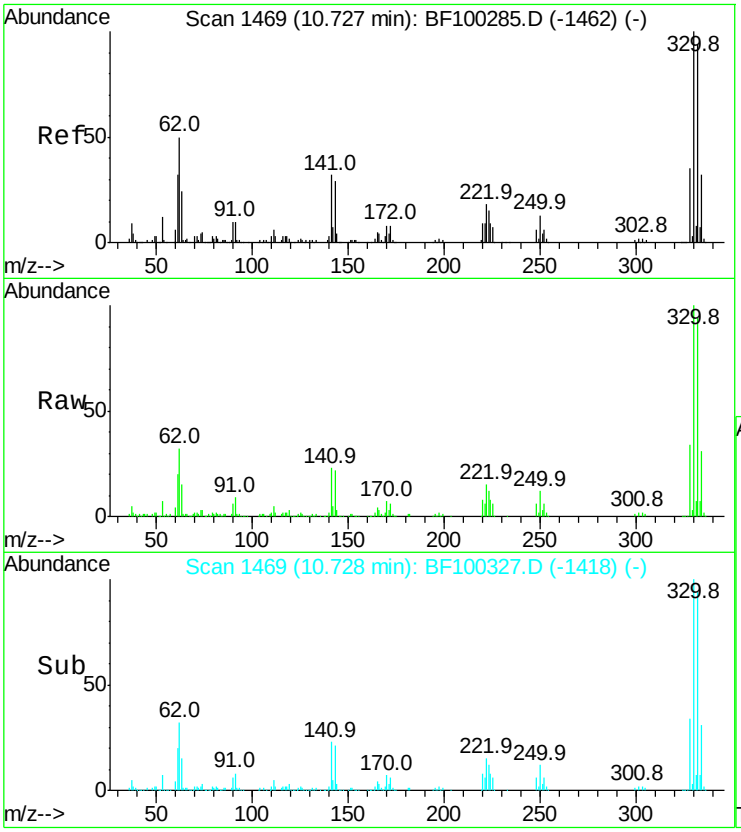




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:164 Resp: 316256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 86.1 | 129.1 |
| 160 | 46.2 | 38.3 | 57.5 |



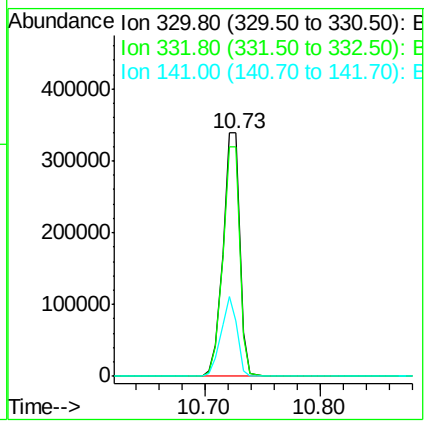


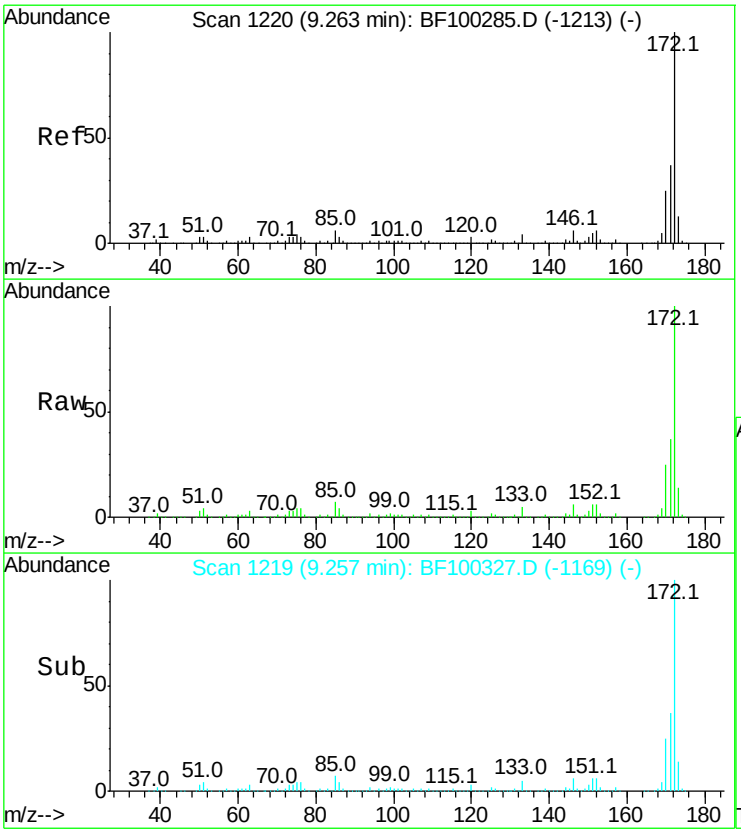

#41
2,4,6-Tribromophenol
Concen: 106.309 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion:330 Resp: 342598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 77.0 | 115.6 |
| 141 | 31.4 | 29.9 | 44.9 |

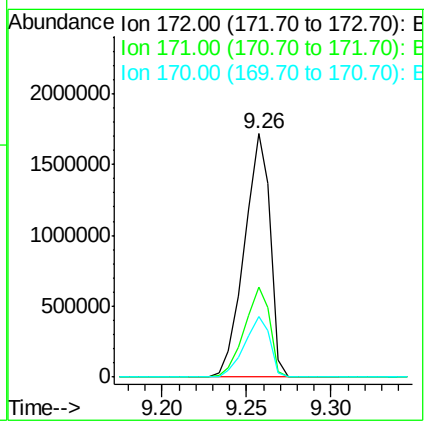


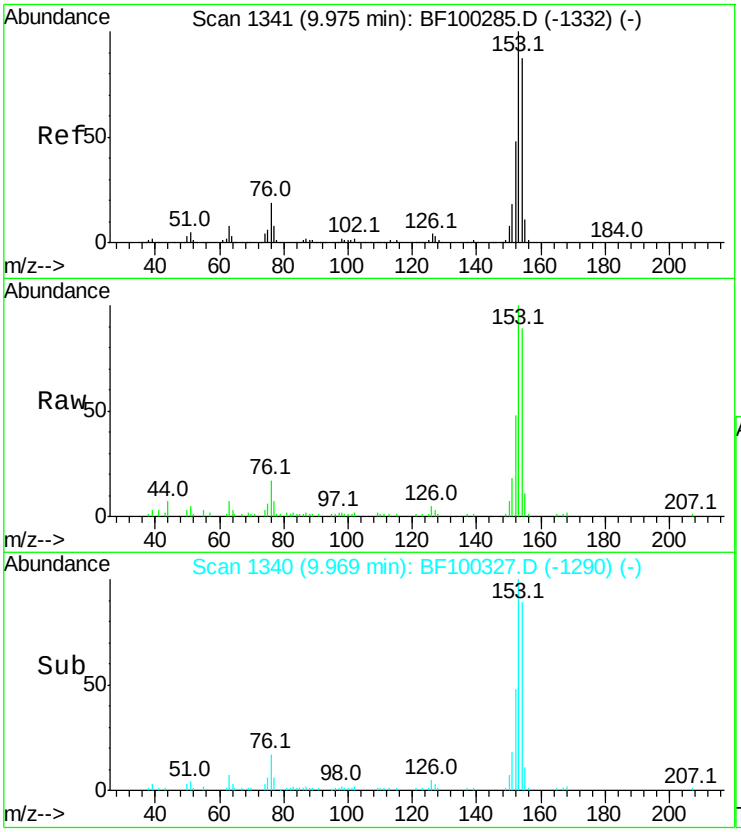




#44
2-Fluorobiphenyl
Concen: 87.996 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:172 Resp: 1827604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 29.7 | 44.5 |
| 170 | 24.8 | 19.6 | 29.4 |



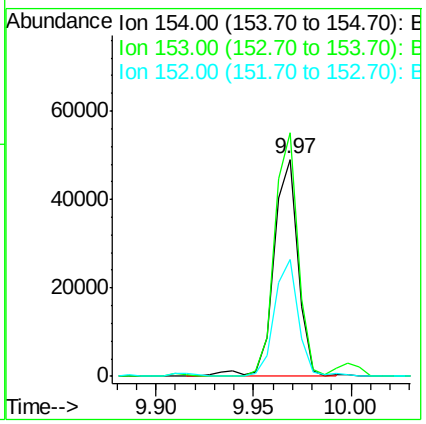


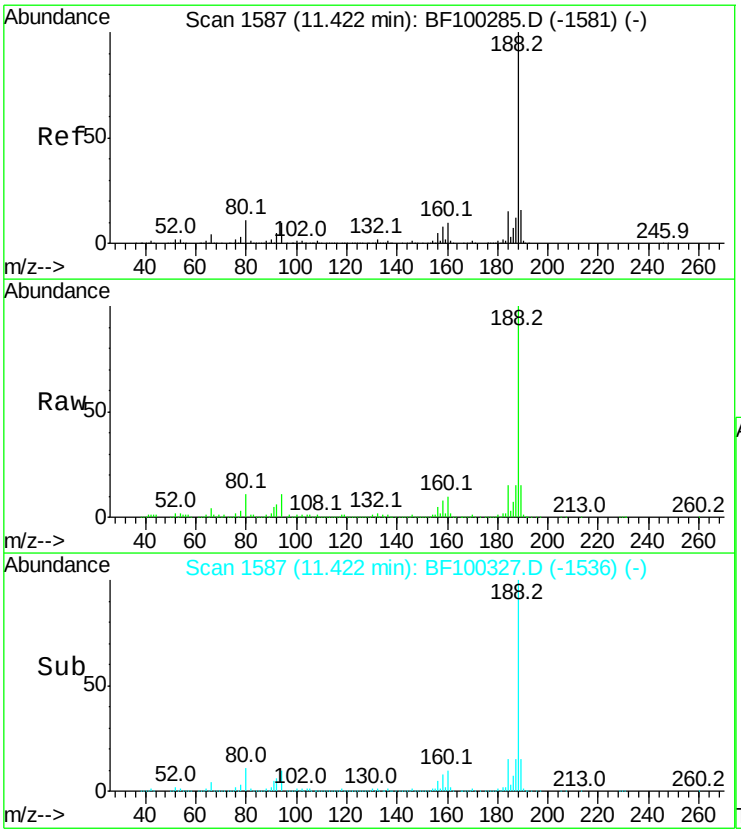

#51
Acenaphthene
Concen: 2.118 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion:154 Resp: 42351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 91.2 | 136.8 |
| 152 | 54.0 | 43.8 | 65.8 |

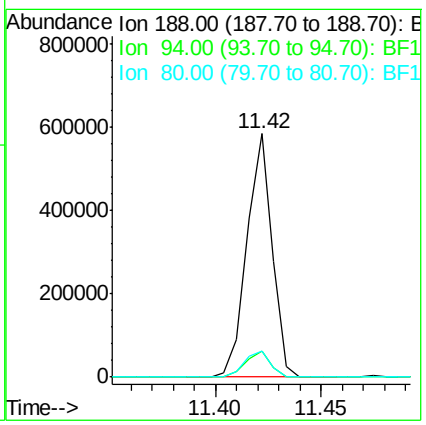


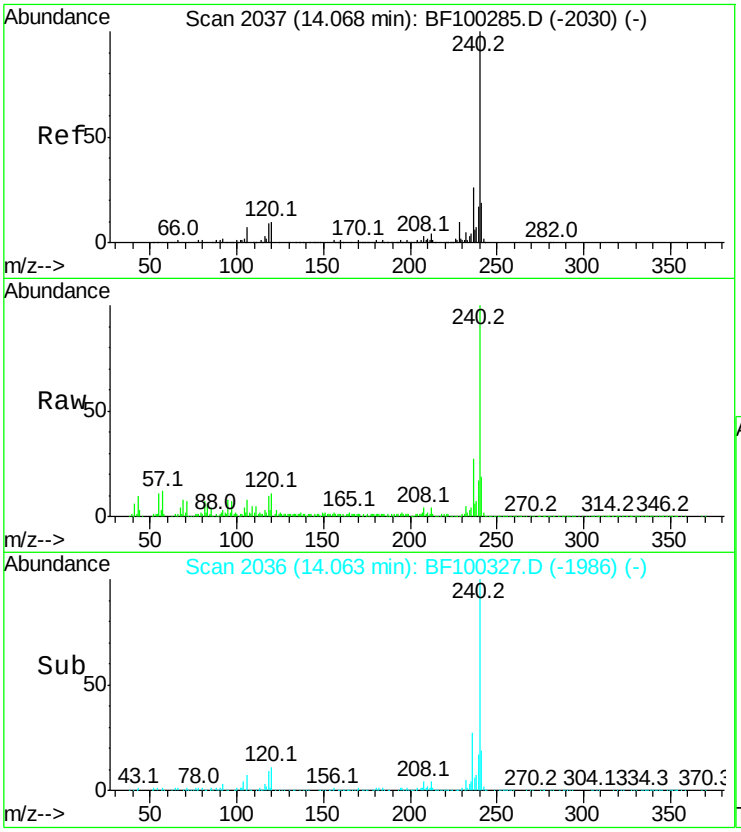




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:188 Resp: 485928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.5 | 12.7 |
| 80 | 10.8 | 9.2 | 13.8 |



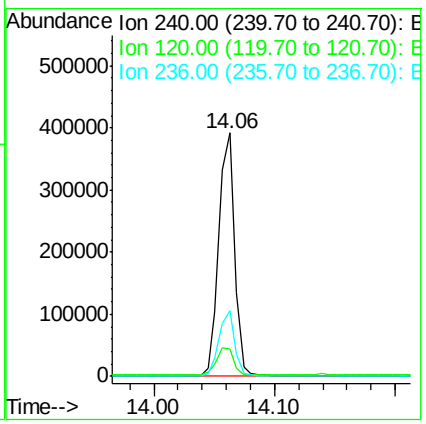


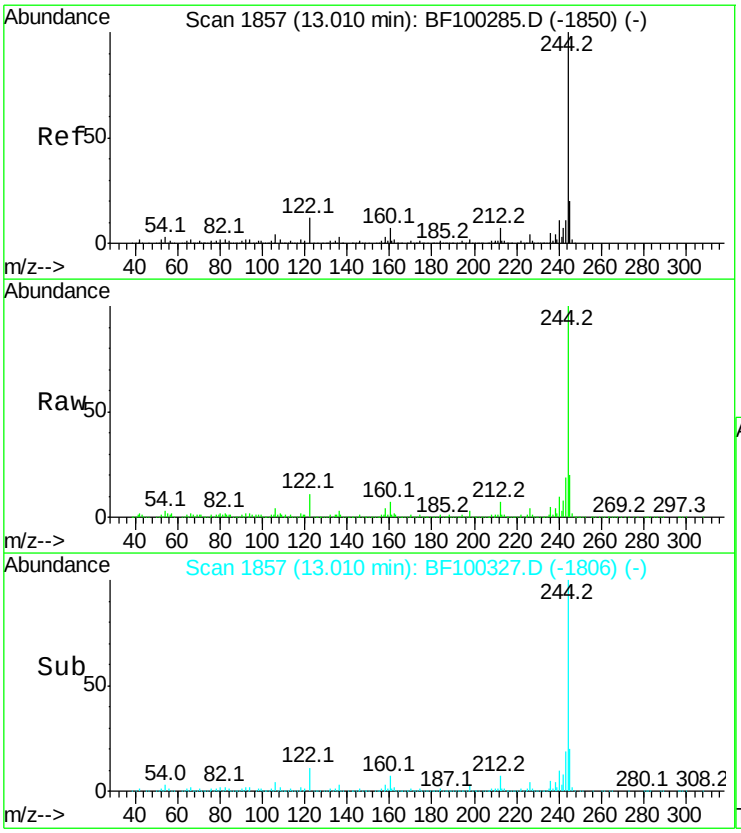

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion:240 Resp: 353577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.5 | 14.3 |
| 236 | 26.7 | 20.7 | 31.1 |

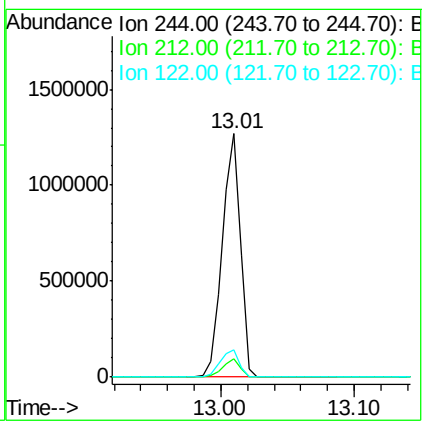


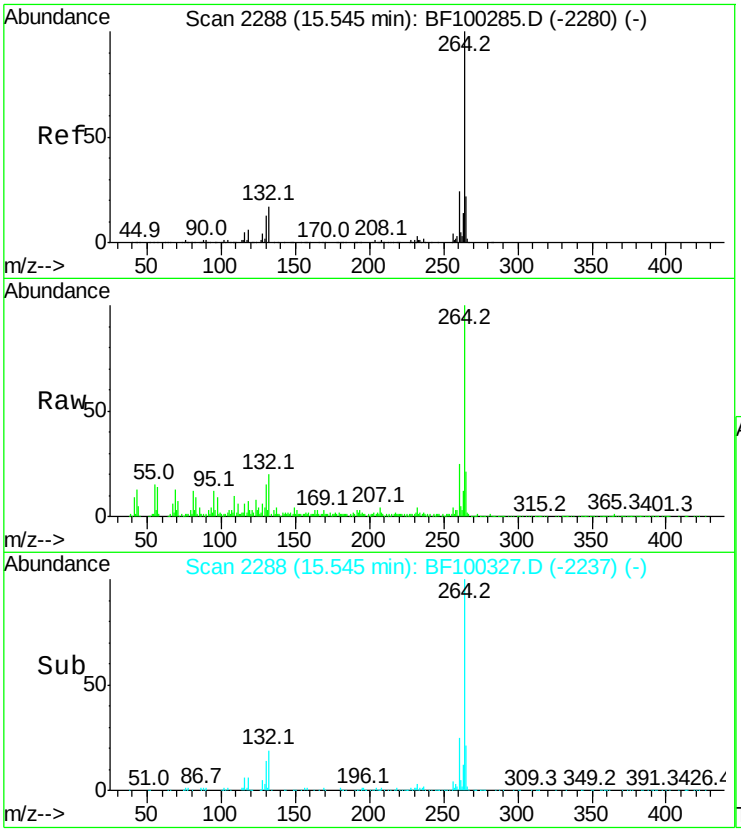




#78
Terphenyl-d14
Concen: 79.227 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

Tgt Ion:244 Resp: 1219169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.4 | 8.0 |
| 122 | 11.2 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF100327.D
Acq: 9 Nov 2017 7:43

**Instrument :**
BNA_F
**ClientSampleId :**
RT-4651

Tgt Ion:264 Resp: 328810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.2 | 28.8 |
| 265 | 21.5 | 17.5 | 26.3 |