Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094508.D
Acq On : 19 Apr 2017 1:18
Operator : SJ/MA
Sample : I2707-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Apr 19 03:04:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.77 | 152 | 110315 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.27 | 136 | 389747 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.40 | 164 | 146199 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 273599 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.51 | 240 | 201618 | 20.00 | ng | | 0.04 |
| 86) Perylene-d12 | 16.12 | 264 | 159995 | 20.00 | ng | | 0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.32 | 112 | 34603 | 5.20 | ng | | 0.02 |
| 7) Phenol-d6 | 5.40 | 99 | 41213 | 5.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.41 | 82 | 22763 | 3.61 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.38 | 330 | 5579 | 4.88 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.58 | 172 | 41769 | 4.20 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.22 | 244 | 30652 | 4.06 | ng | | 0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 70) Phenanthrene | 11.25 | 178 | 53383 | 3.46 | ng | | 93 |
| 77) Pyrene | 13.02 | 202 | 39188 | 2.78 | ng | # | 53 |
| 80) Benzo(a)anthracene | 14.50 | 228 | 40514 | 3.46 | ng | # | 55 |
| 82) Chrysene | 14.54 | 228 | 43743 | 4.08 | ng | # | 66 |

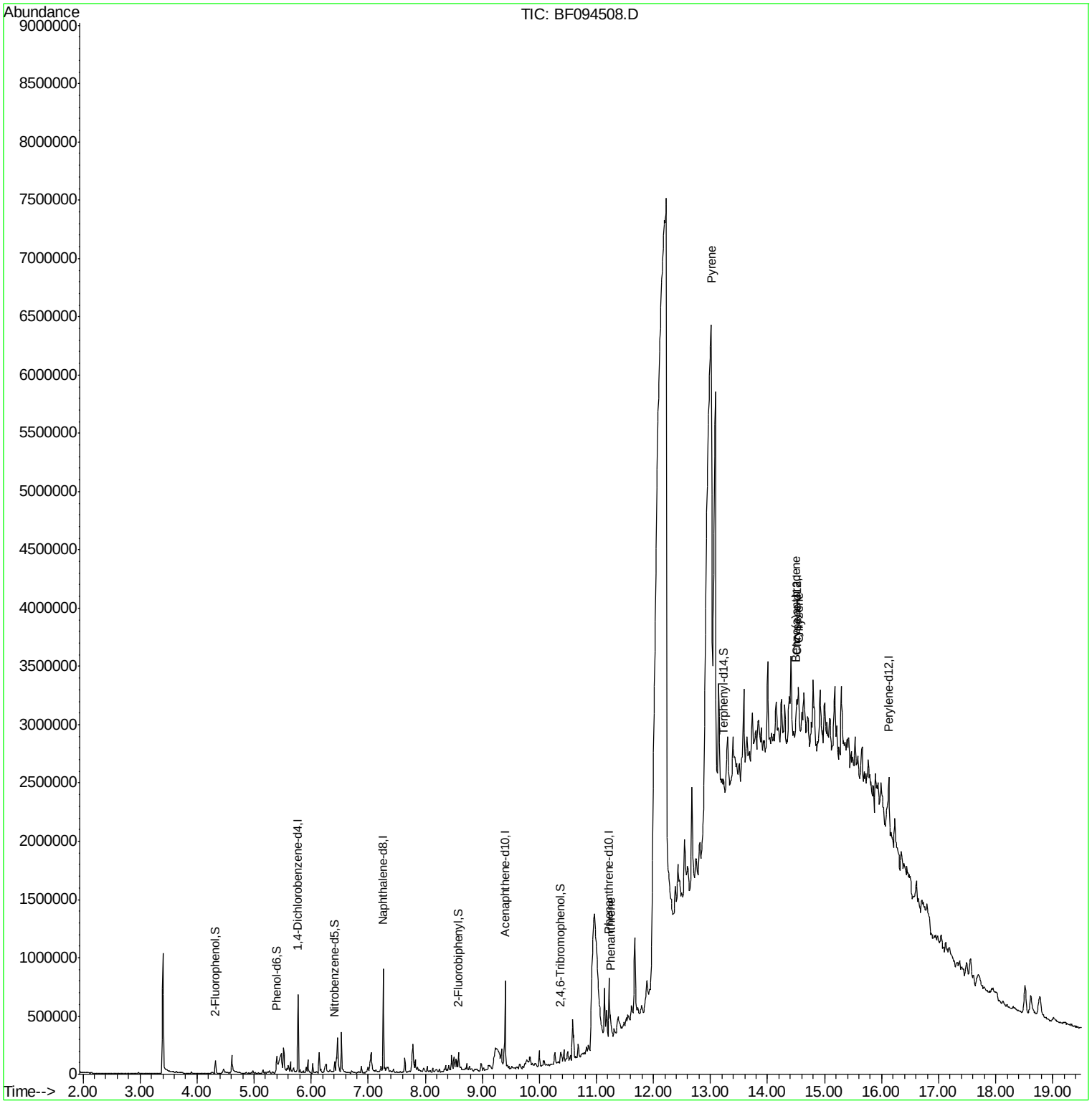
(#) = qualifier out of range (m) = manual integration (+) = signals summed

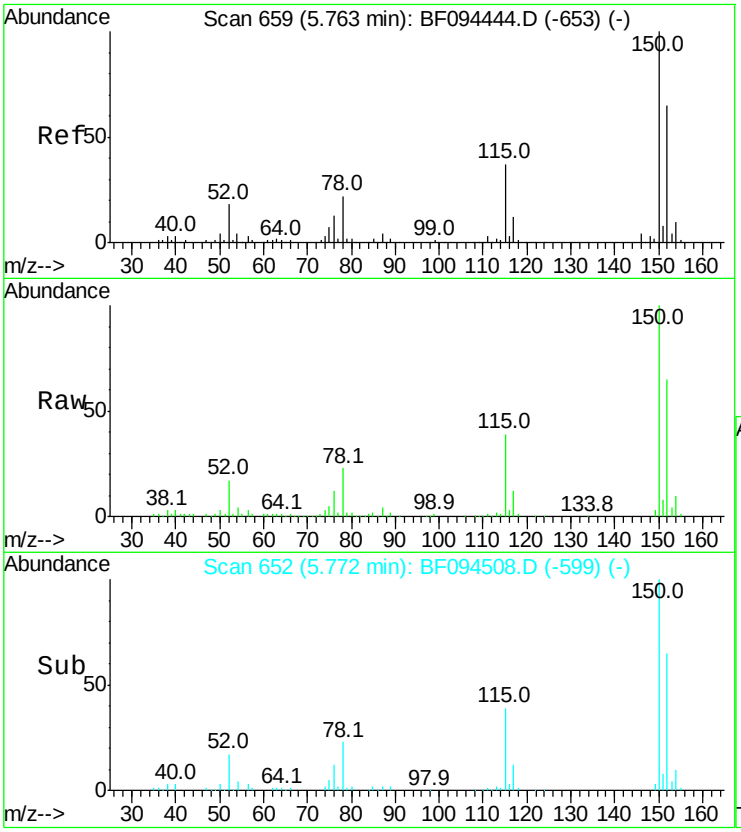
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094508.D
Acq On : 19 Apr 2017 1:18
Operator : SJ/MA
Sample : I2707-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Apr 19 03:04:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration



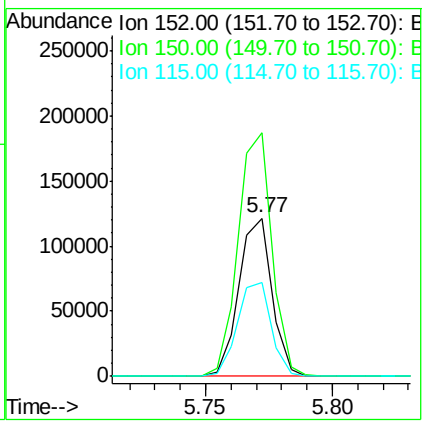


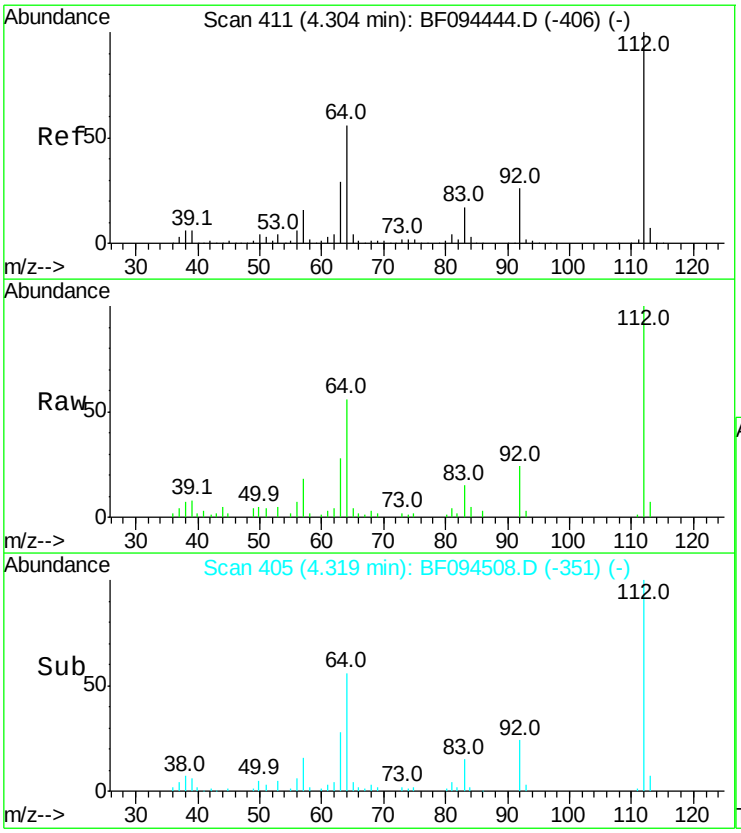

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 110315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 126.2 | 189.2 |
| 115 | 59.7 | 52.2 | 78.2 |

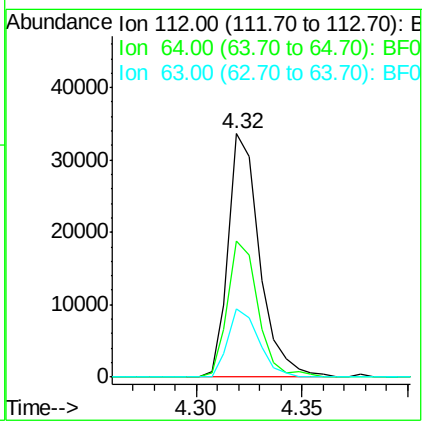


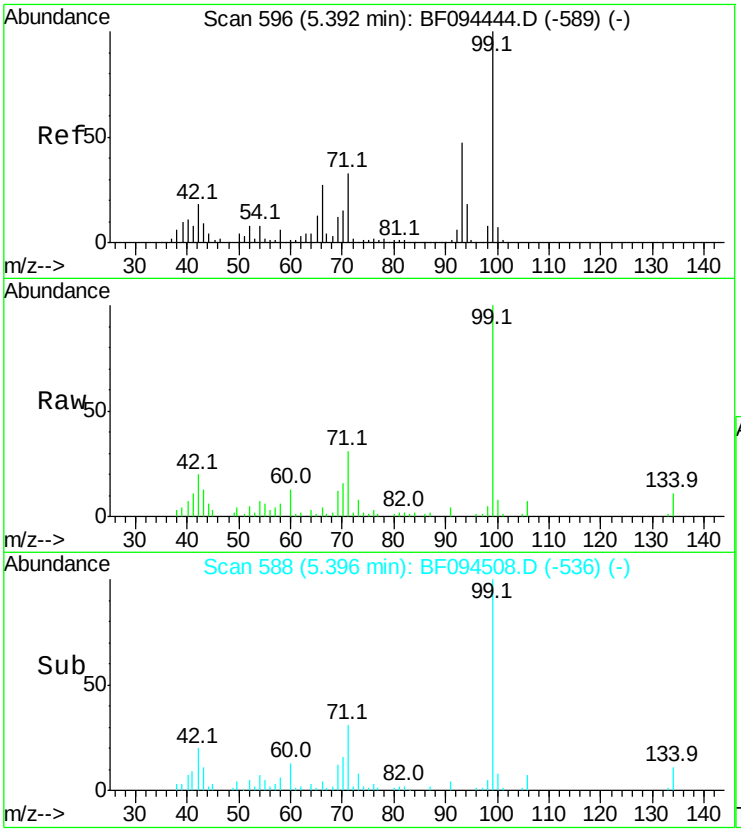




#5
2-Fluorophenol
Concen: 5.20 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:112 Resp: 34603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.9 | 46.0 | 69.0 |
| 63 | 27.9 | 23.4 | 35.0 |



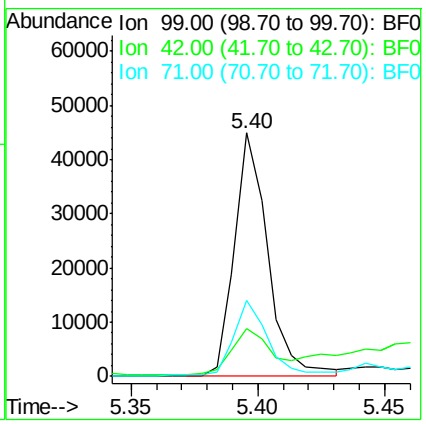


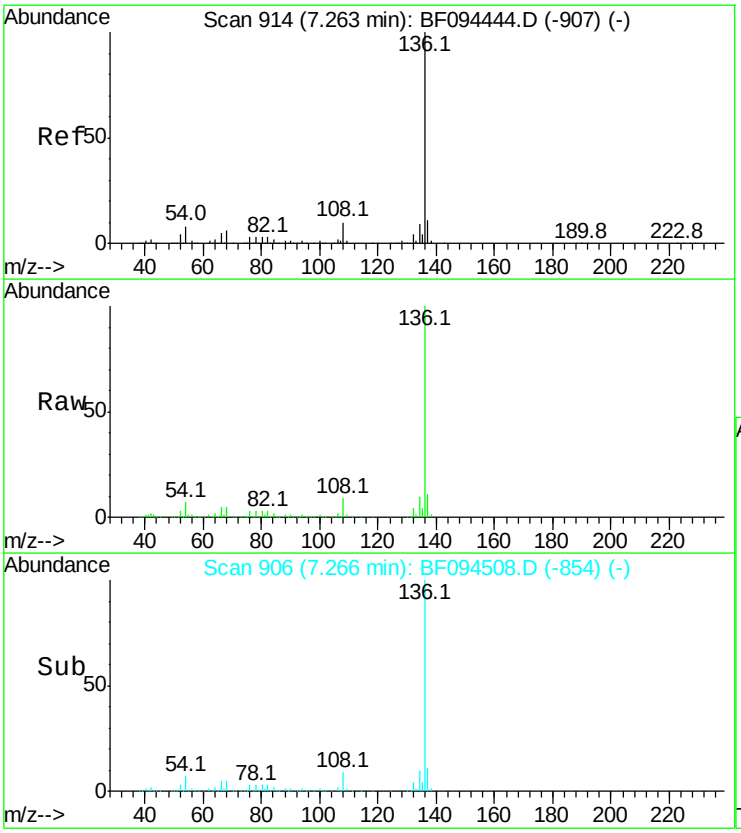

#7
Phenol-d6
Concen: 5.26 ng
RT: 5.40 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 41213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 13.5 | 20.3 |
| 71 | 31.0 | 24.5 | 36.7 |

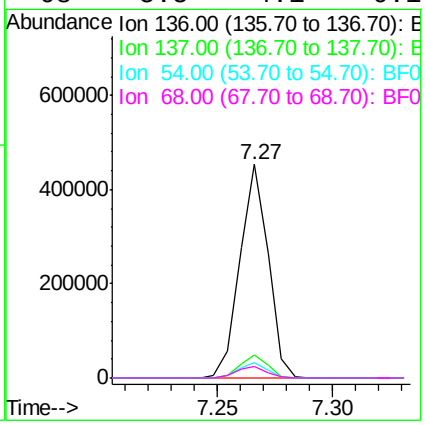


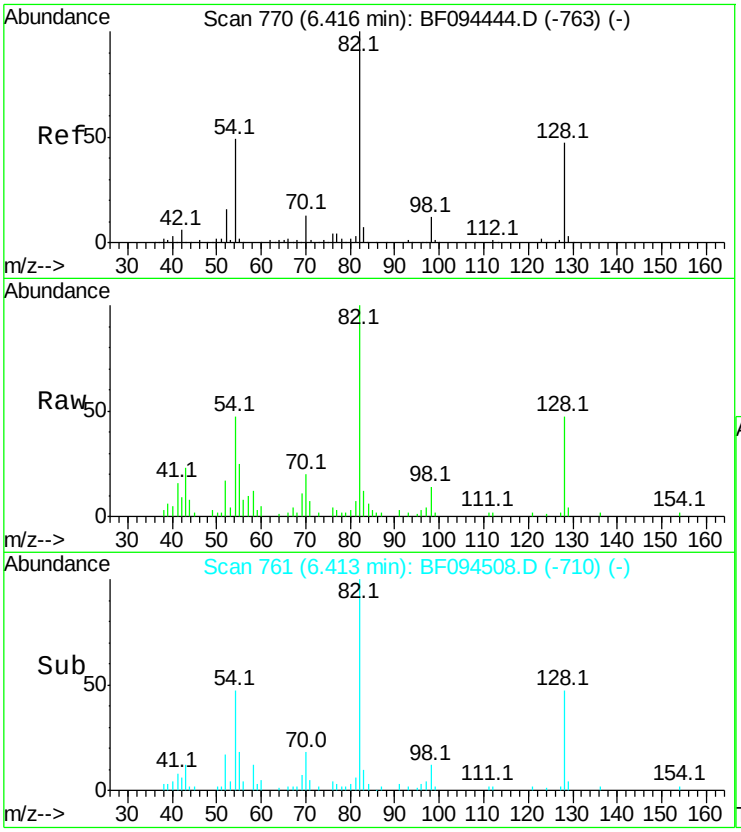




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:136 Resp: 389747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.5 | 12.7 |
| 54 | 7.3 | 4.9 | 7.3 |
| 68 | 5.5 | 4.1 | 6.1 |



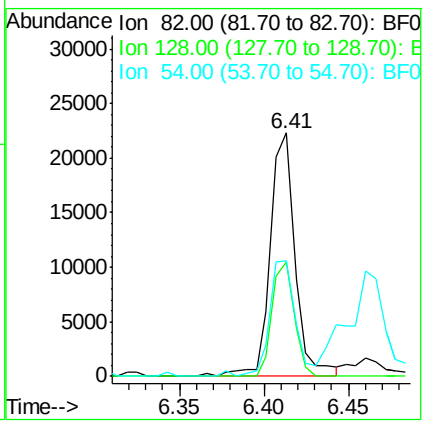


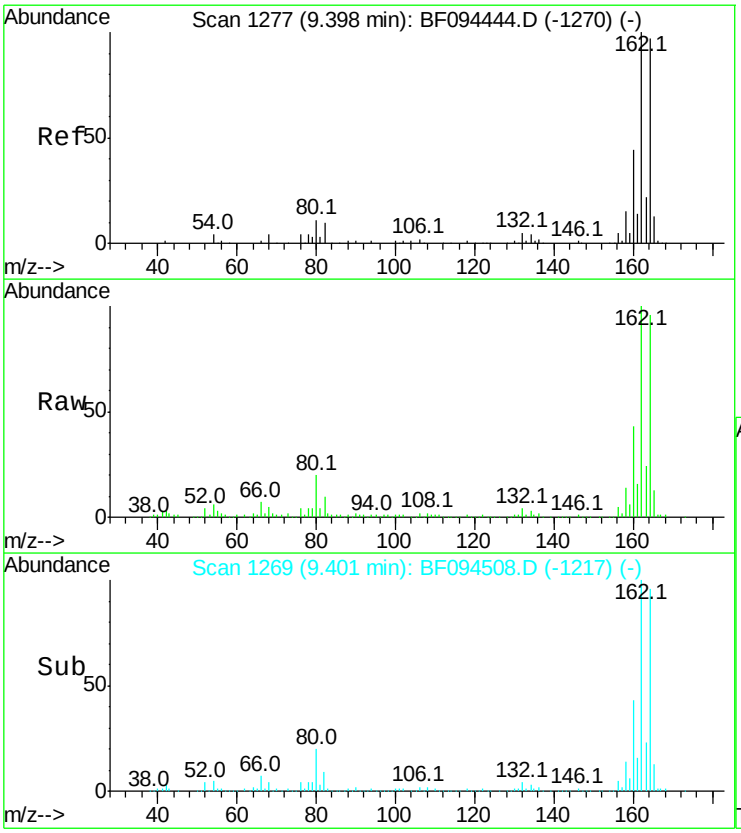

#23
Nitrobenzene-d5
Concen: 3.61 ng
RT: 6.41 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 22763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.9 | 34.0 | 51.0 |
| 54 | 47.3 | 42.2 | 63.2 |

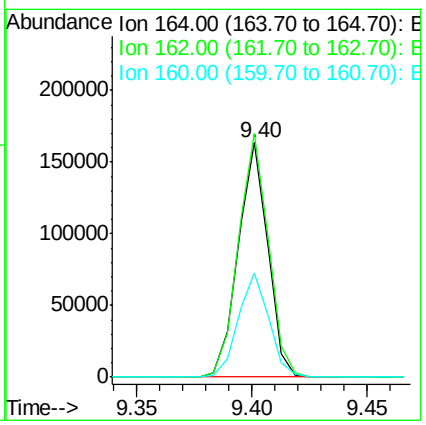


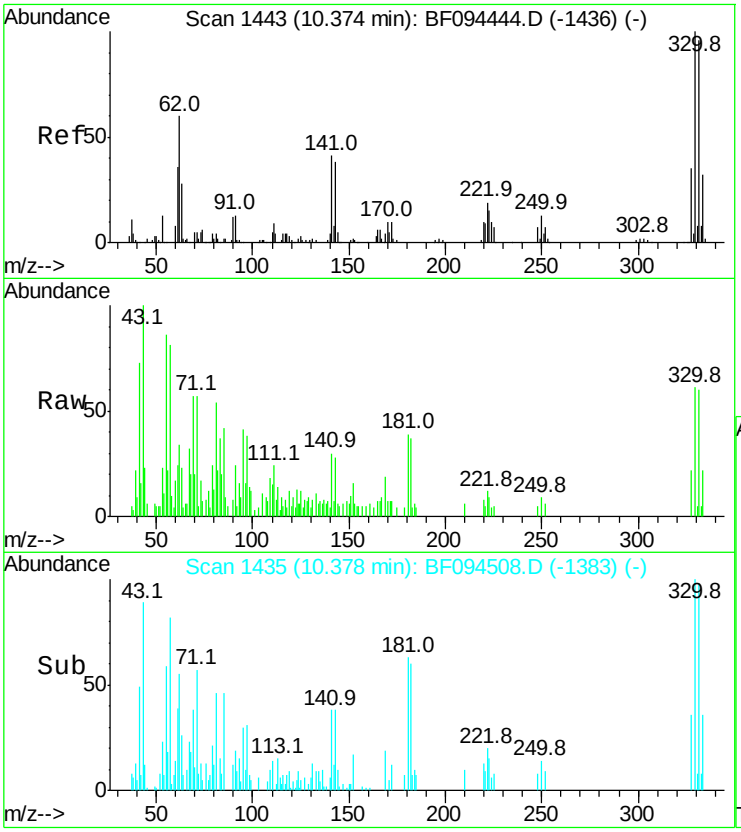




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:164 Resp: 146199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 82.6 | 123.8 |
| 160 | 44.6 | 36.2 | 54.2 |



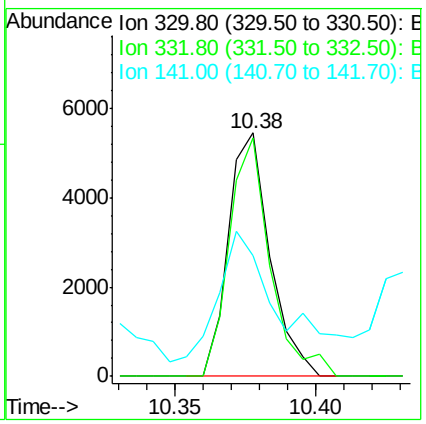


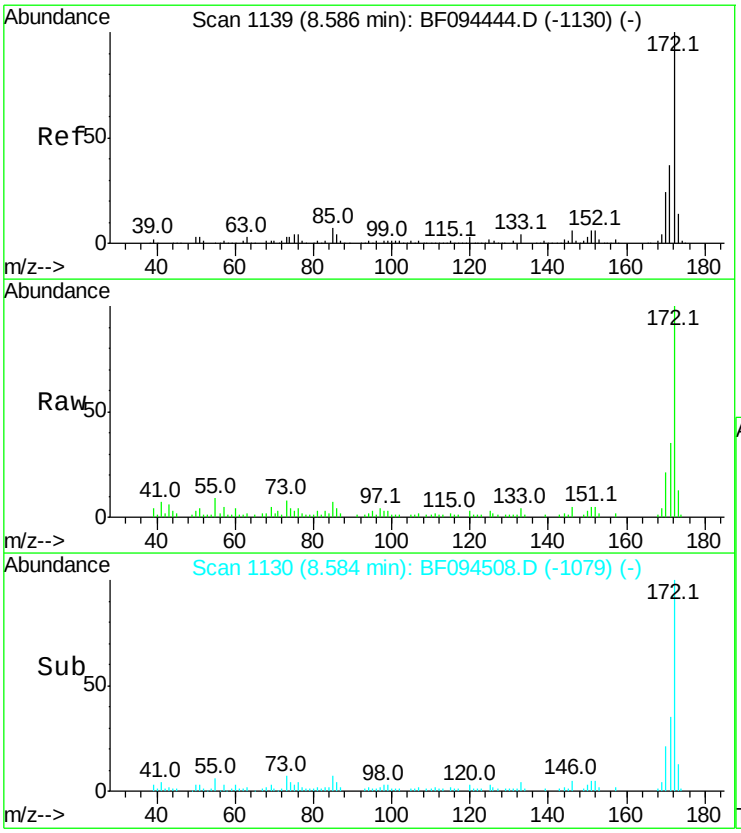

#41
2,4,6-Tribromophenol
Concen: 4.88 ng
RT: 10.38 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 5579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.6 | 115.0 |
| 141 | 79.3 | 31.4 | 47.2# |

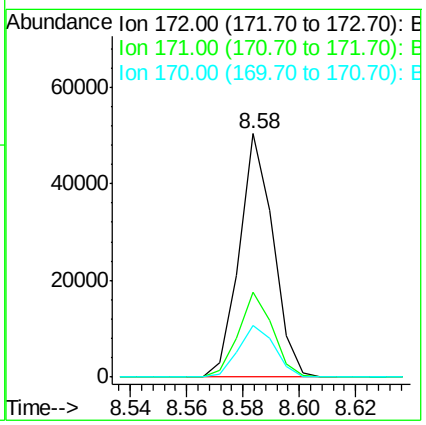


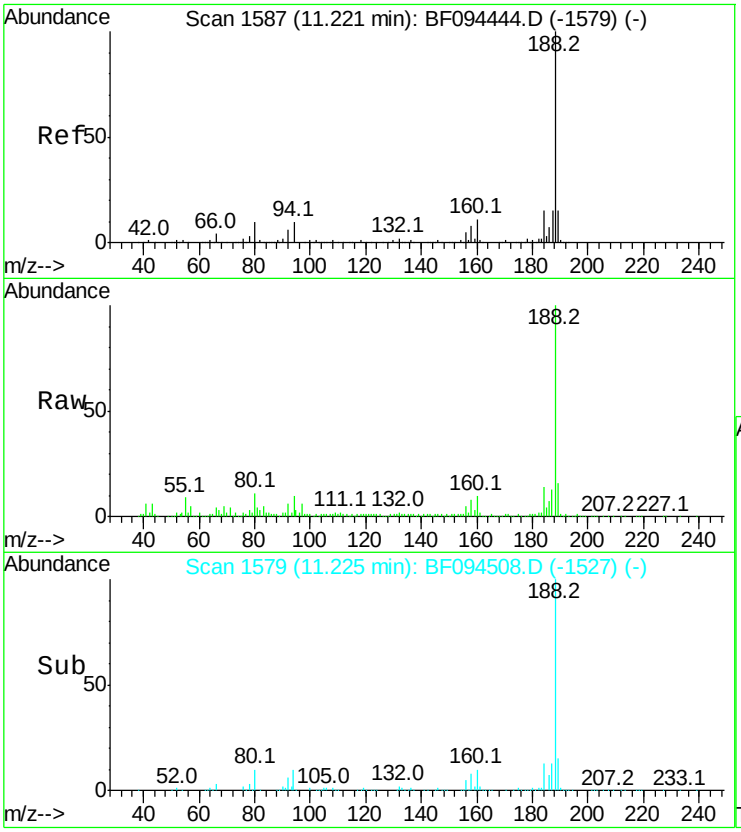




#44
2-Fluorobiphenyl
Concen: 4.20 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:172 Resp: 41769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 29.6 | 44.4 |
| 170 | 21.3 | 19.8 | 29.8 |



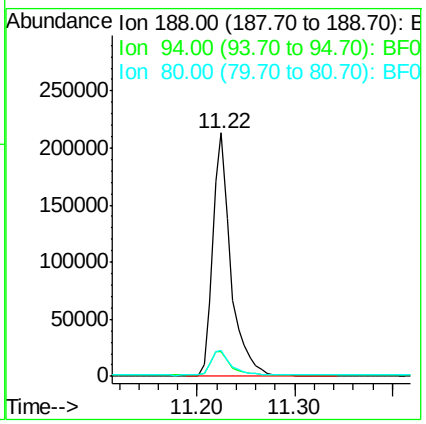


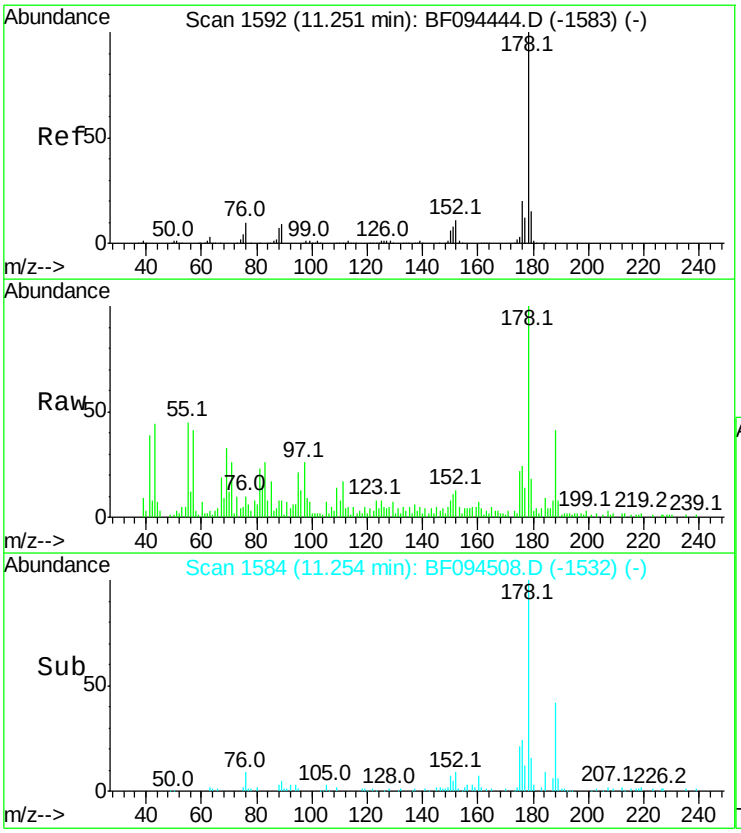

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:188 Resp: 273599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 9.4 | 14.2 |
| 80 | 10.6 | 10.2 | 15.2 |

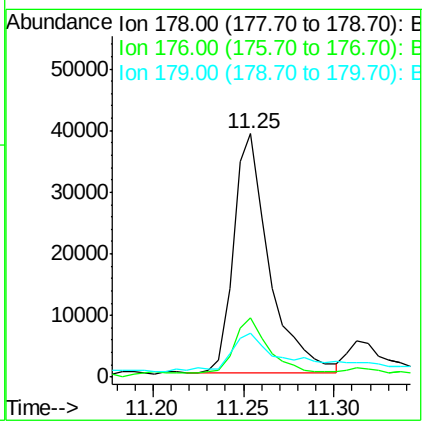


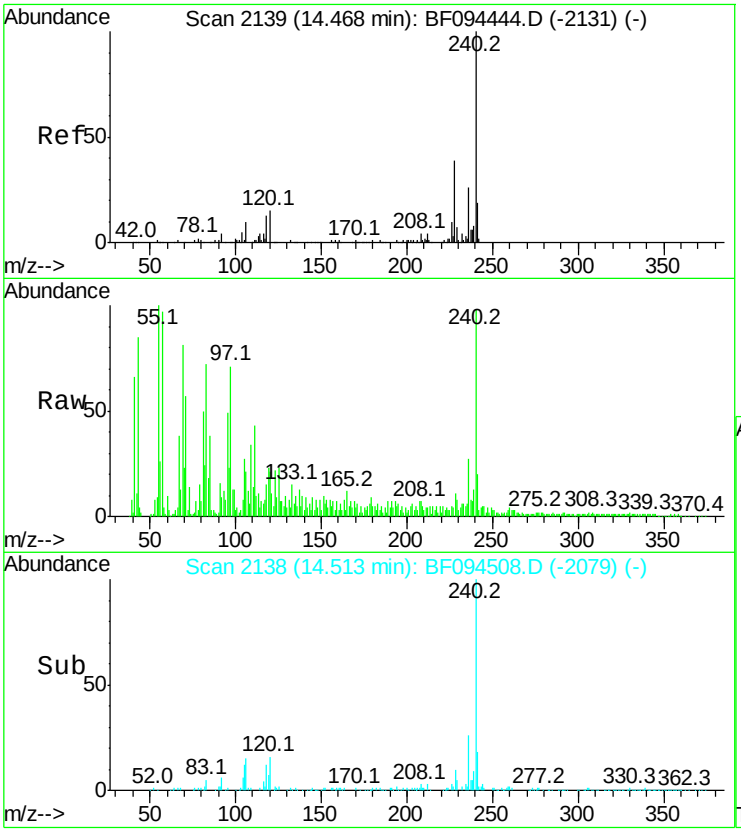




#70
Phenanthrene
Concen: 3.46 ng
RT: 11.25 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:178 Resp: 53383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 24.3 | 16.2 | 24.4 |
| 179 | 18.2 | 12.6 | 19.0 |



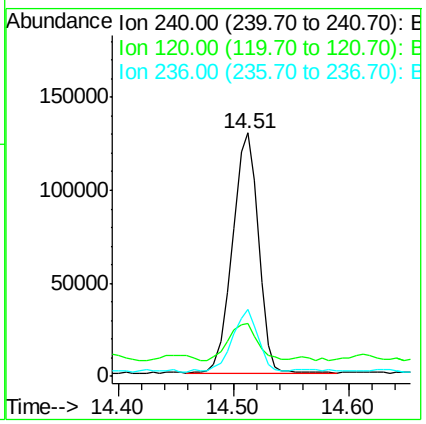


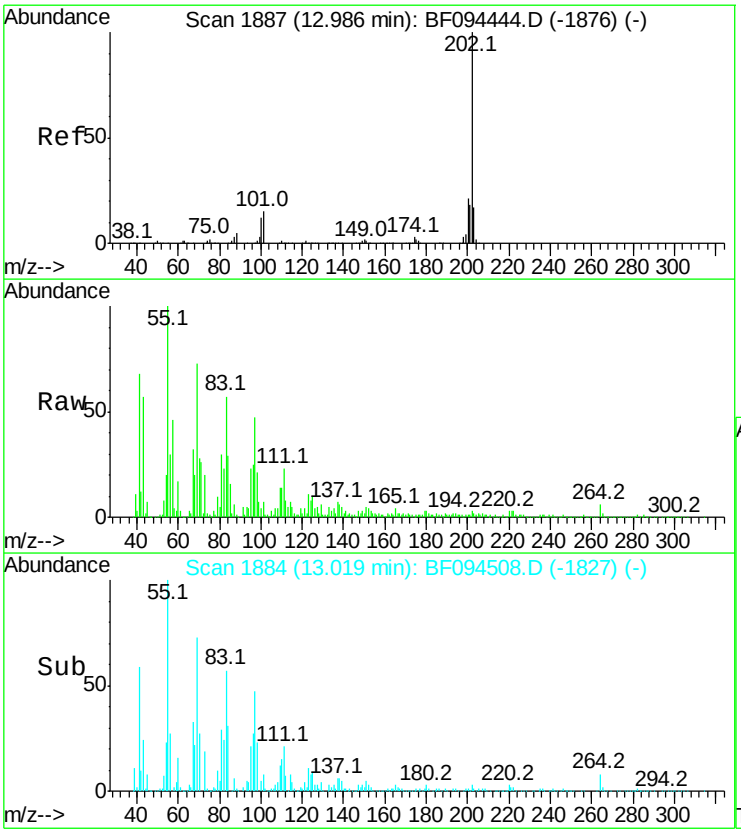

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.51 min Scan# 2138
Delta R.T. 0.04 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:240 Resp: 201618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 21.9 | 5.8 | 8.8# |
| 236 | 27.6 | 20.5 | 30.7 |

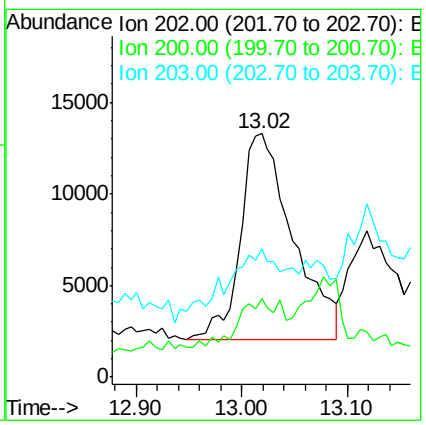


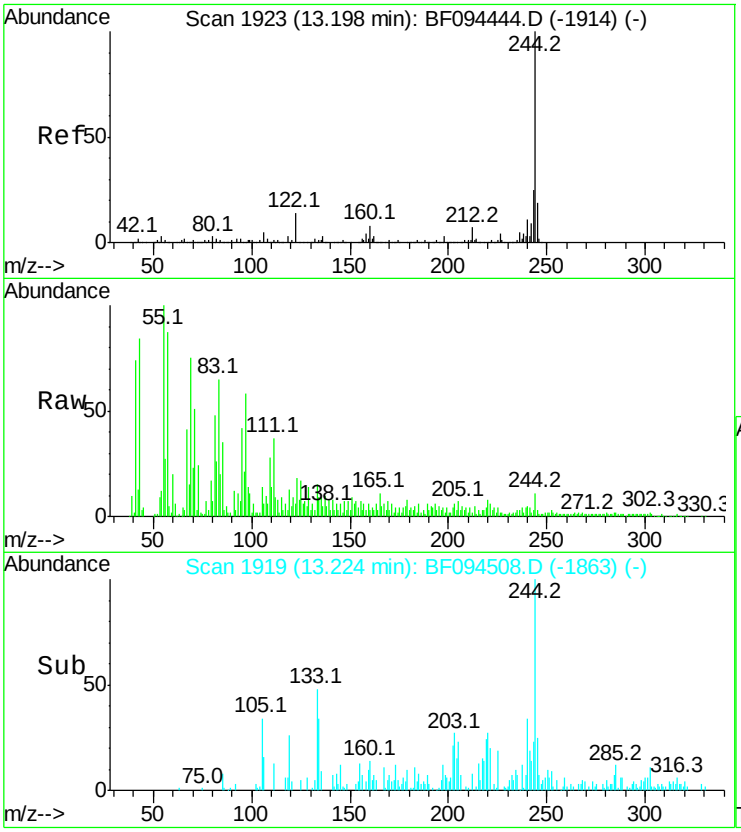




#77
Pyrene
Concen: 2.78 ng
RT: 13.02 min Scan# 1884
Delta R.T. 0.03 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:202 Resp: 39188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 32.2 | 17.6 | 26.4# |
| 203 | 52.9 | 14.4 | 21.6# |



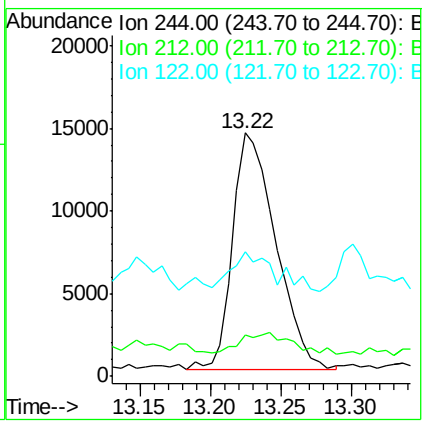


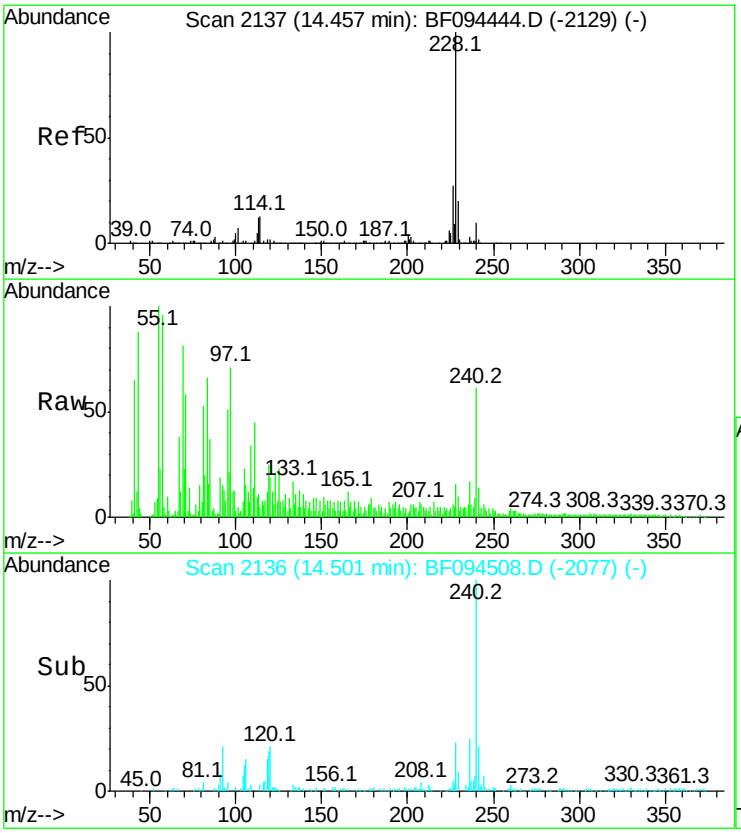

#78
Terphenyl-d14
Concen: 4.06 ng
RT: 13.22 min Scan# 1919
Delta R.T. 0.03 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:244 Resp: 30652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 16.9 | 6.0 | 9.0# |
| 122 | 51.0 | 10.3 | 15.5# |

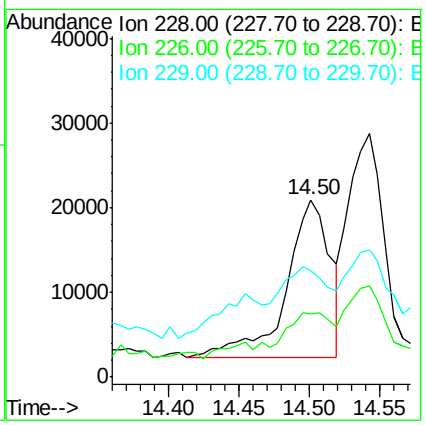


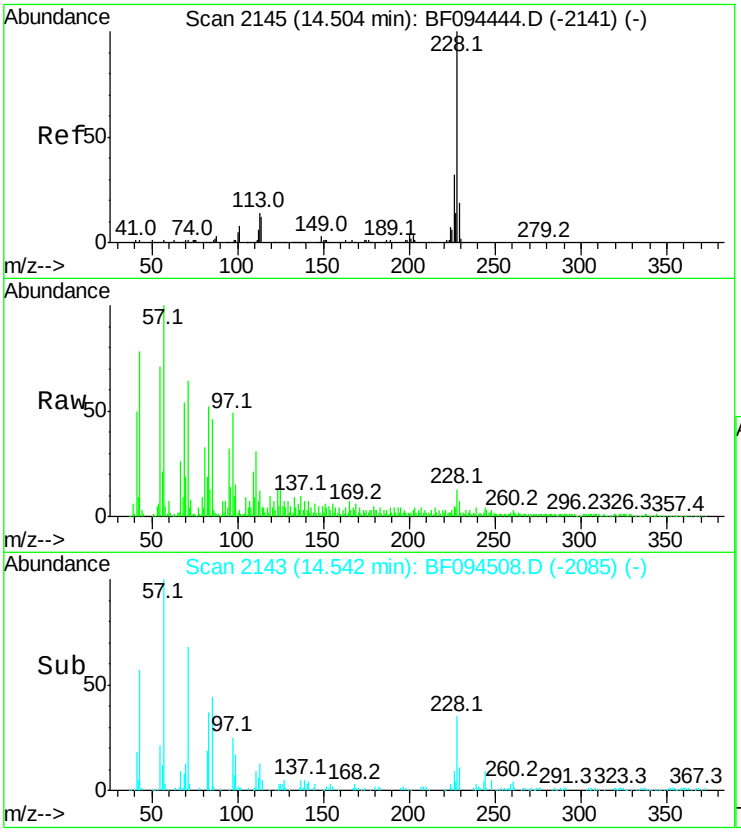




#80
Benzo(a)anthracene
Concen: 3.46 ng
RT: 14.50 min Scan# 2136
Delta R.T. 0.04 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:228 Resp: 40514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 35.9 | 22.6 | 33.8# |
| 229 | 60.2 | 16.3 | 24.5# |



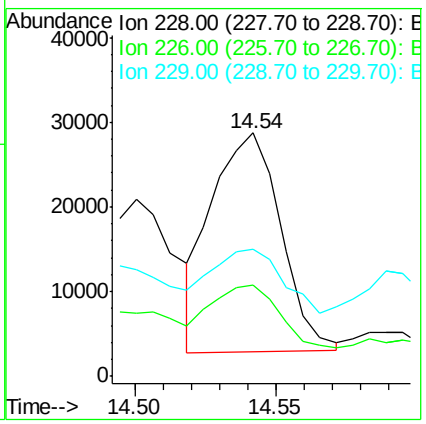


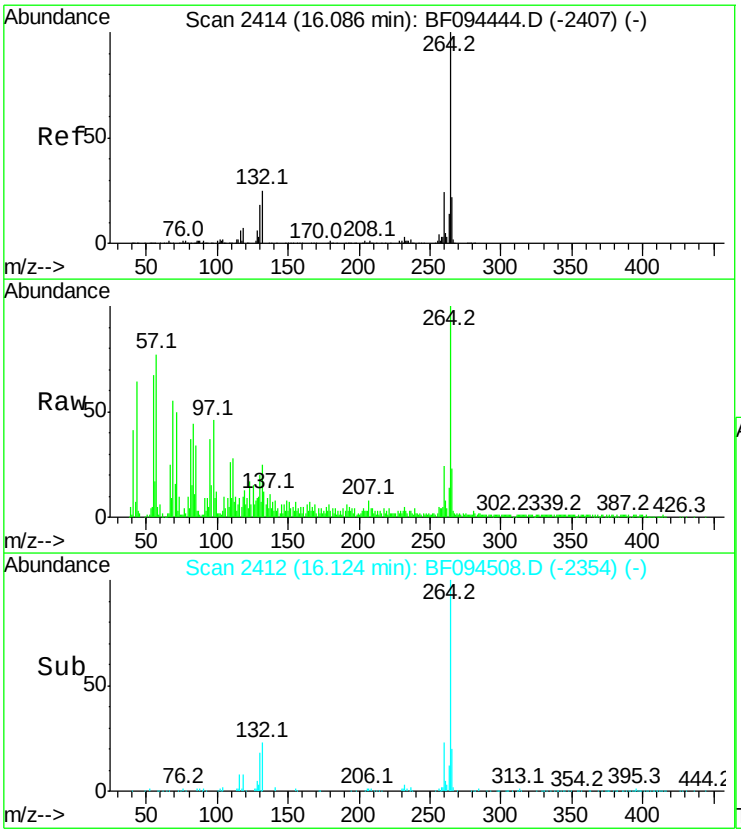

#82
Chrysene
Concen: 4.08 ng
RT: 14.54 min Scan# 2143
Delta R.T. 0.04 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:228 Resp: 43743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.4 | 24.9 | 37.3# |
| 229 | 52.1 | 15.8 | 23.6# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2412
Delta R.T. 0.04 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:264 Resp: 159995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.5 | 29.3 |
| 265 | 22.7 | 17.2 | 25.8 |