Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095037.D
Acq On : 9 May 2017 23:20
Operator : SJ/MA
Sample : I3035-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TANK-265563

Quant Time: May 10 02:21:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 99138 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 9.73 | 136 | 416377 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 12.56 | 164 | 174648 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 14.96 | 188 | 351575 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 18.63 | 240 | 268207 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 20.29 | 264 | 183739 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 308478 | 51.88 | ng | -0.02 |
| 7) Phenol-d6 | 7.26 | 99 | 238457 | 33.42 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.61 | 82 | 563136 | 85.28 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 13.86 | 330 | 196270 | 137.22 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 11.51 | 172 | 1156015 | 95.27 | ng | -0.02 |
| 78) Terphenyl-d14 | 17.29 | 244 | 855523 | 70.26 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Dimethylphthalate | 12.20 | 163 | 32854 | 2.29 | ng | 99 |
| 51) Acenaphthene | 12.61 | 154 | 24059 | 2.17 | ng | 97 |

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

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Acq On : 9 May 2017 23:20
Operator : SJ/MA
Sample : I3035-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

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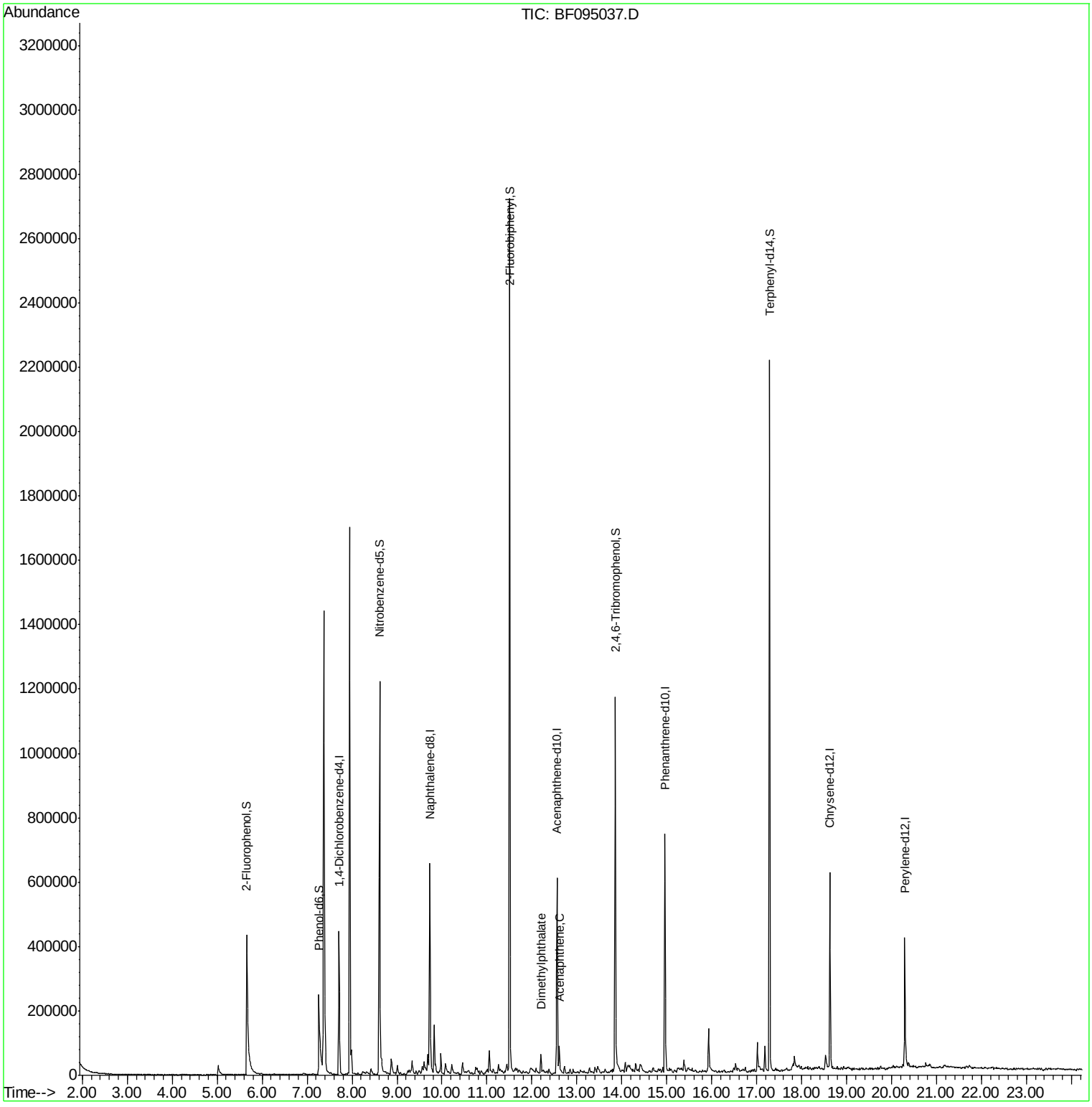
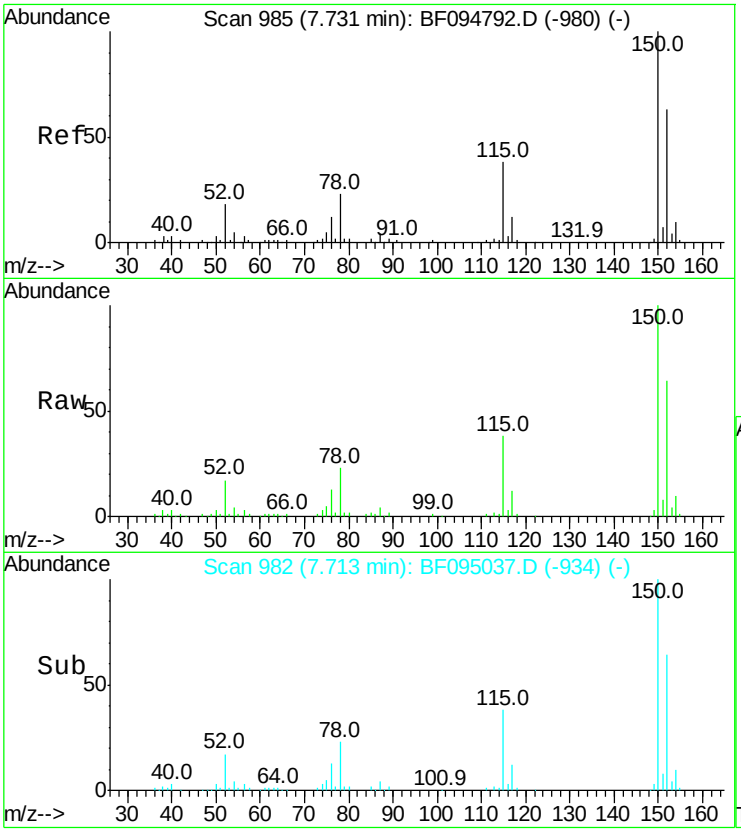


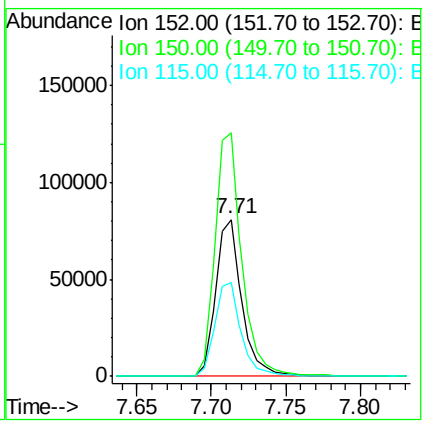


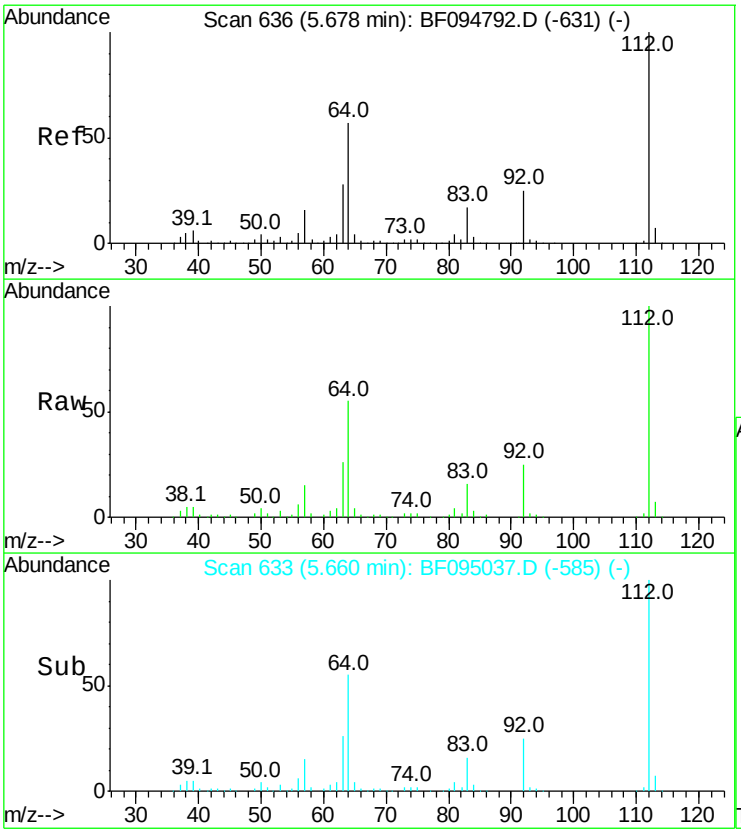

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion:152 Resp: 99138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 126.2 | 189.2 |
| 115 | 59.5 | 52.2 | 78.2 |

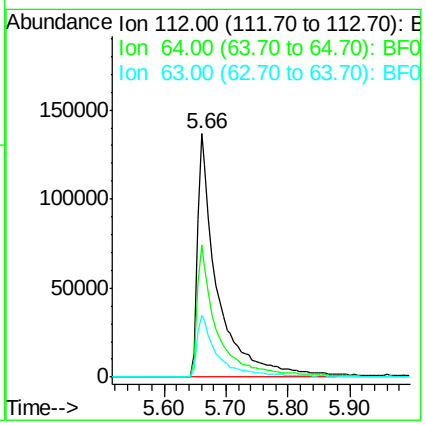


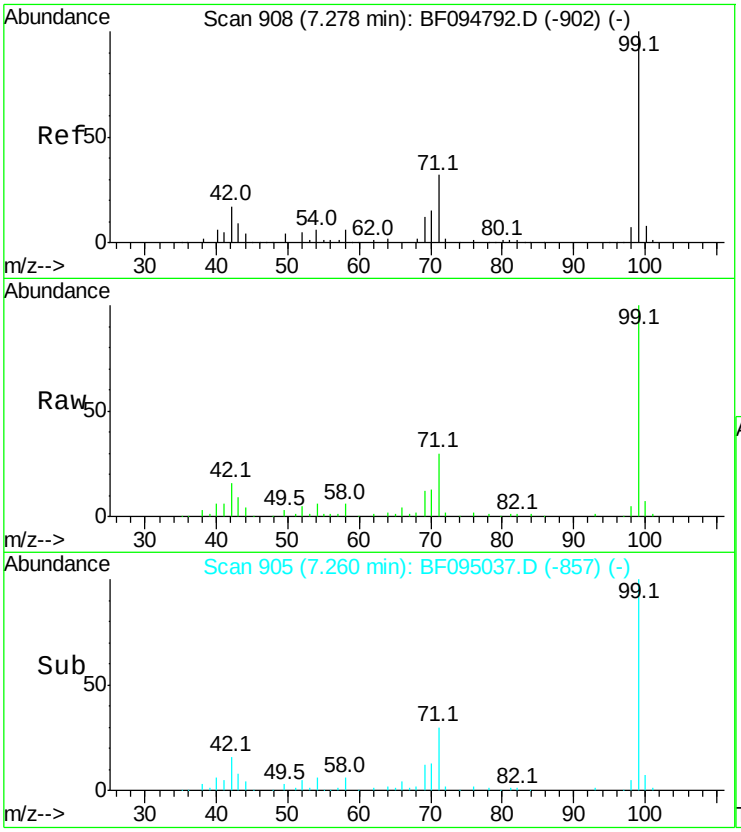




#5
2-Fluorophenol
Concen: 51.88 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:112 Resp: 308478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.6 | 46.0 | 69.0 |
| 63 | 25.6 | 23.4 | 35.0 |



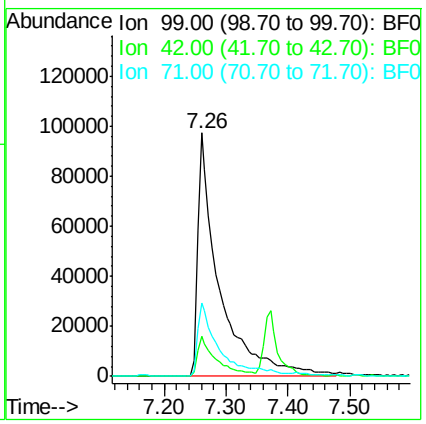


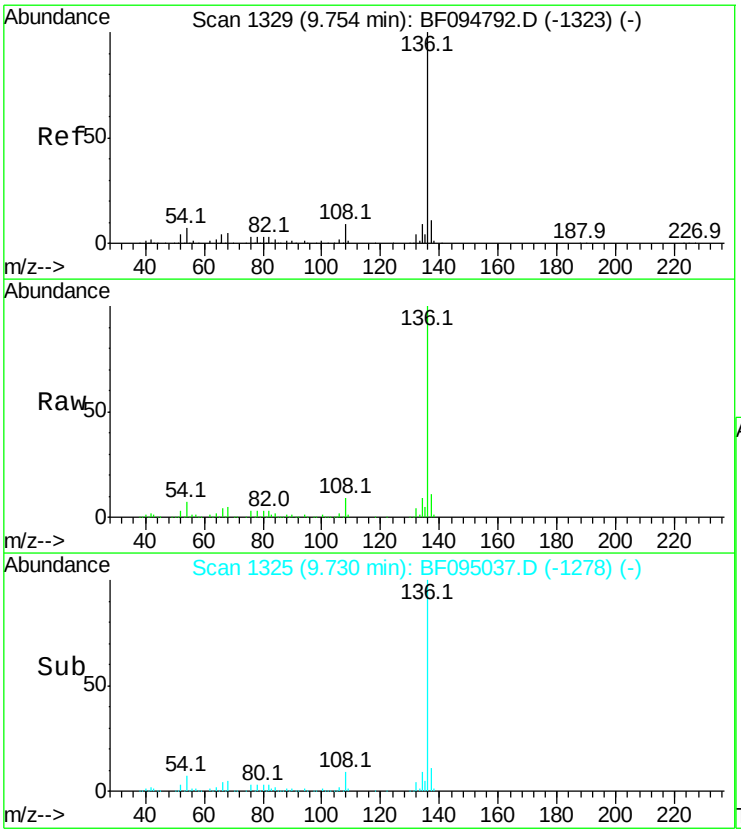

#7
Phenol-d6
Concen: 33.42 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion: 99 Resp: 238457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.3 | 13.5 | 20.3 |
| 71 | 30.3 | 24.5 | 36.7 |

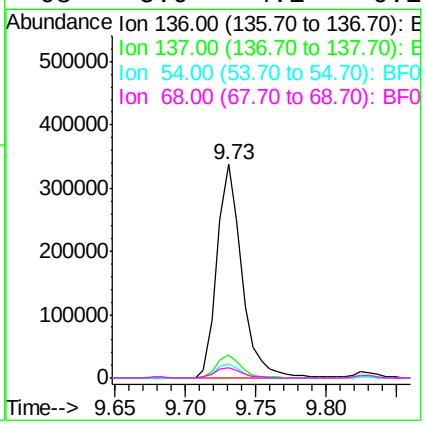


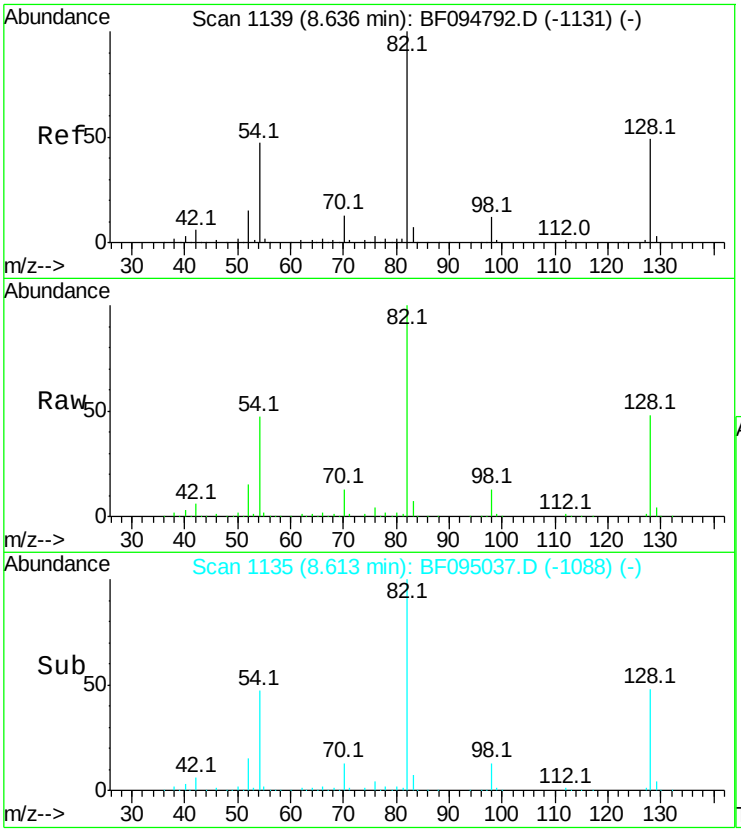




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.73 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:136 Resp: 416377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.5 | 12.7 |
| 54 | 6.7 | 4.9 | 7.3 |
| 68 | 5.0 | 4.1 | 6.1 |



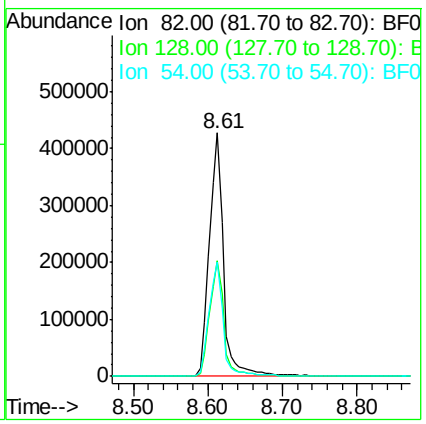


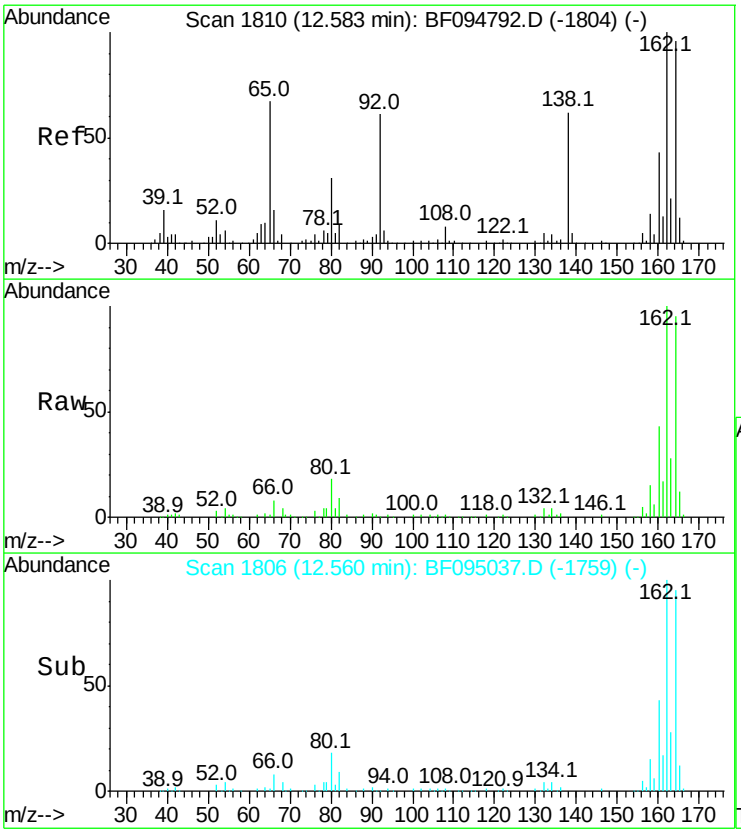

#23
Nitrobenzene-d5
Concen: 85.28 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion: 82 Resp: 563136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.7 | 34.0 | 51.0 |
| 54 | 46.8 | 42.2 | 63.2 |

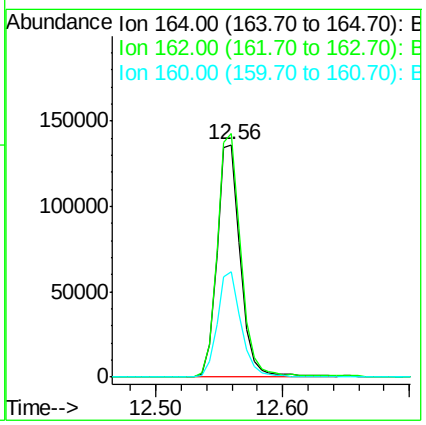


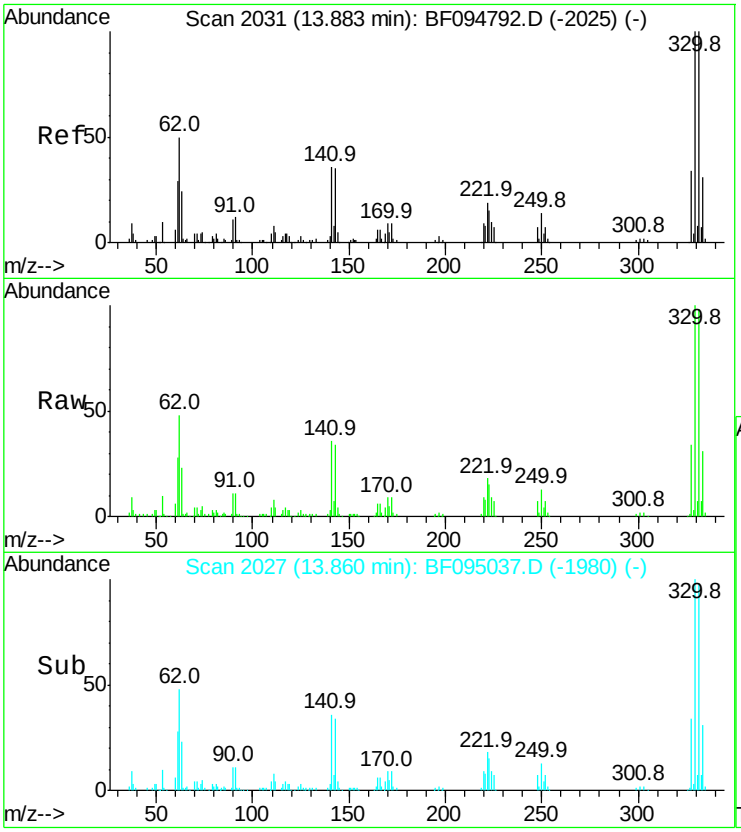




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:164 Resp: 174648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.9 | 82.6 | 123.8 |
| 160 | 45.5 | 36.2 | 54.2 |



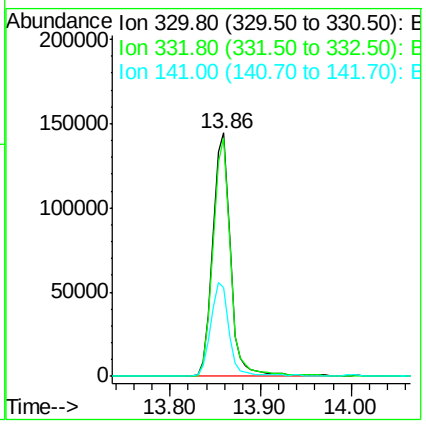


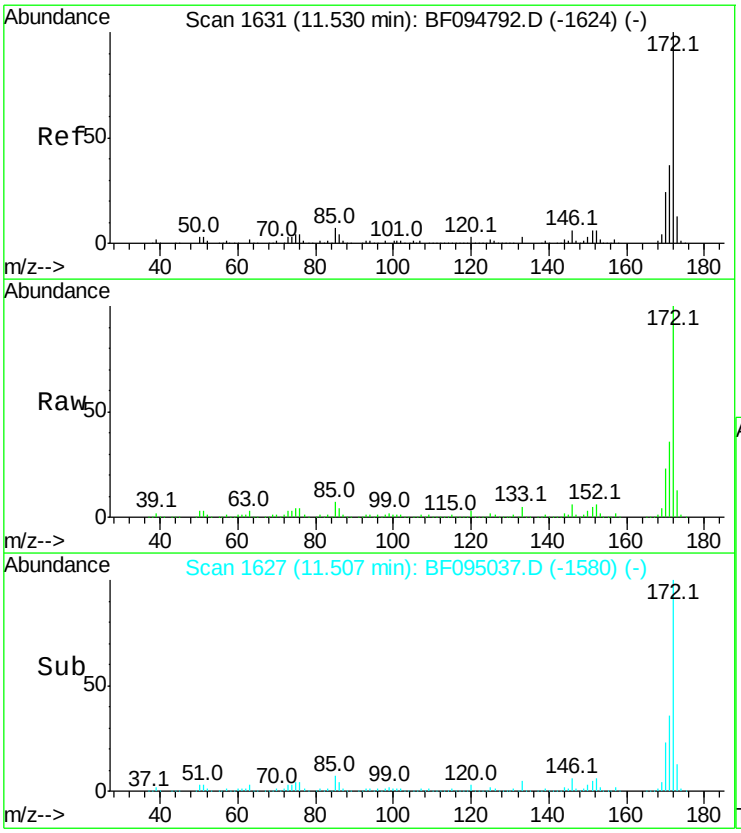

#41
2,4,6-Tribromophenol
Concen: 137.22 ng
RT: 13.86 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion:330 Resp: 196270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.6 | 115.0 |
| 141 | 39.9 | 31.4 | 47.2 |

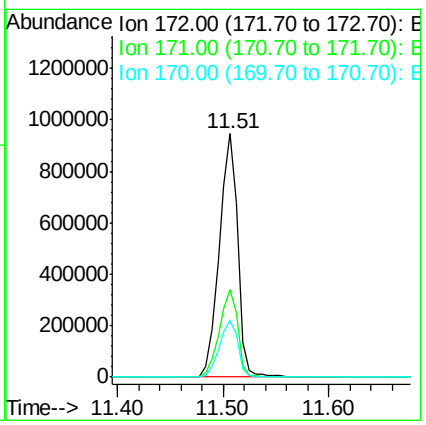


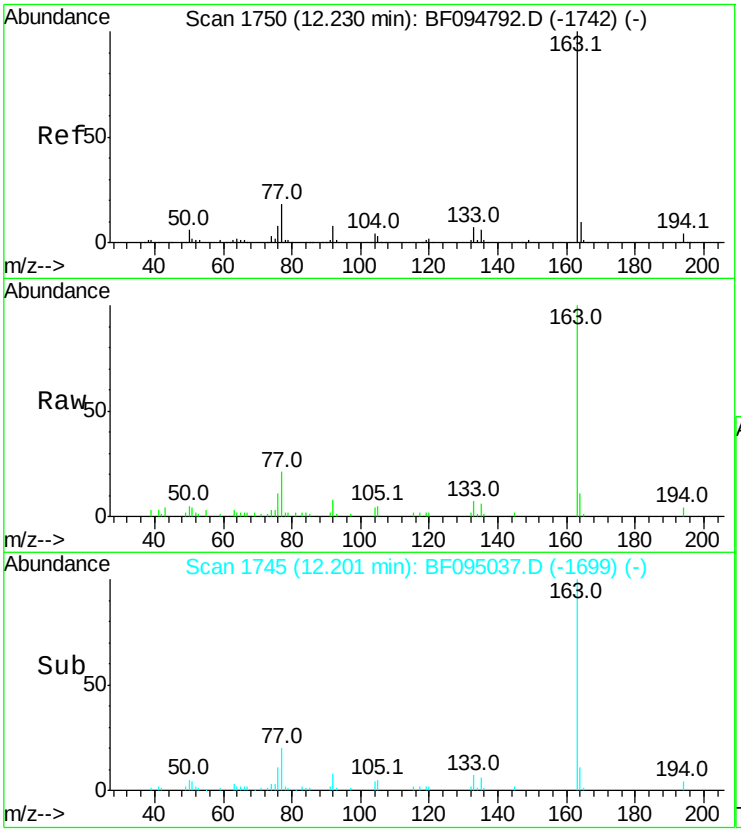




#44
2-Fluorobiphenyl
Concen: 95.27 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:172 Resp: 1156015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.6 | 44.4 |
| 170 | 23.4 | 19.8 | 29.8 |



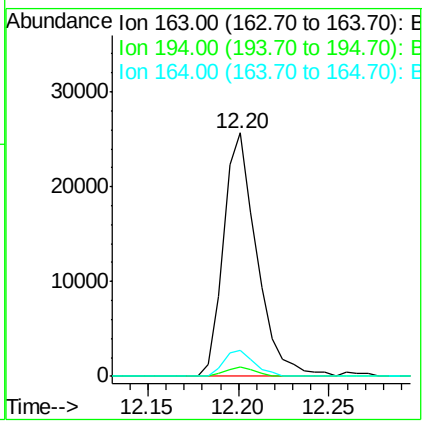


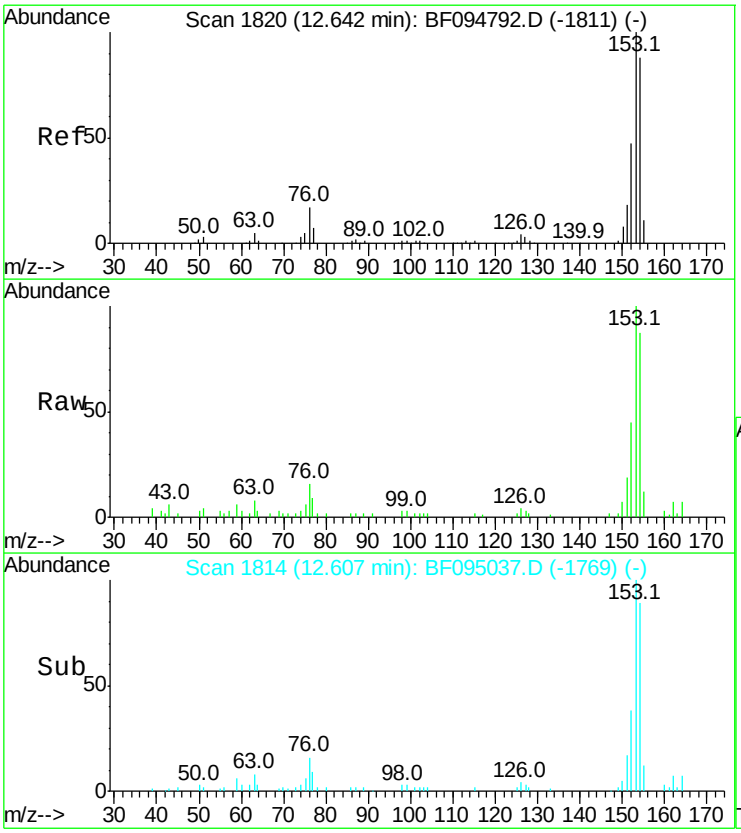

#49
Dimethylphthalate
Concen: 2.29 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion:163 Resp: 32854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.6 | 4.0 |
| 164 | 10.8 | 8.4 | 12.6 |

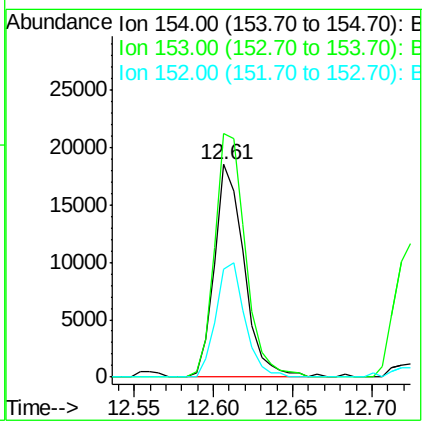


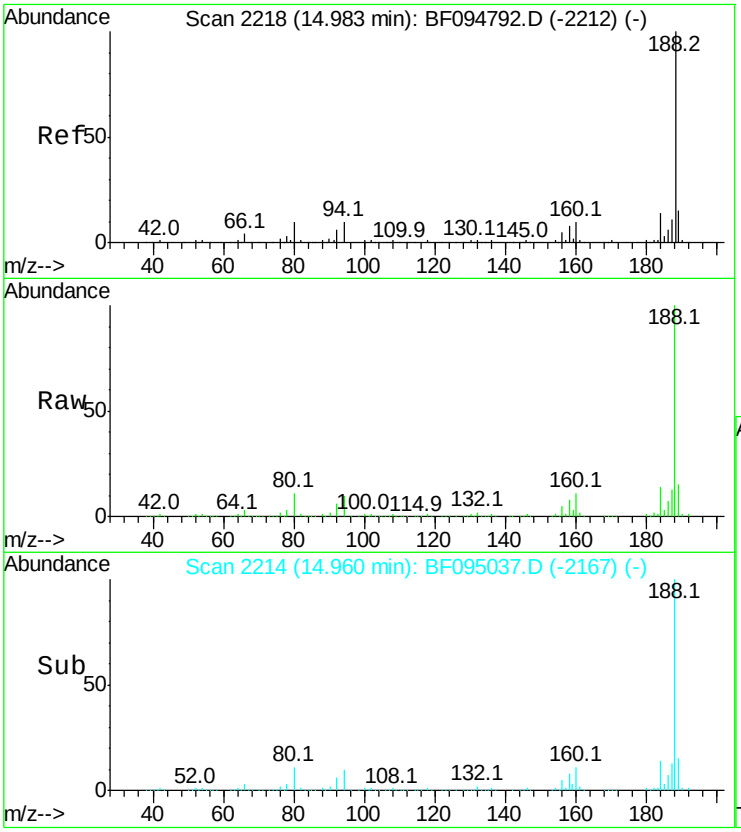




#51
Acenaphthene
Concen: 2.17 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.04 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:154 Resp: 24059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.6 | 90.5 | 135.7 |
| 152 | 51.0 | 43.6 | 65.4 |



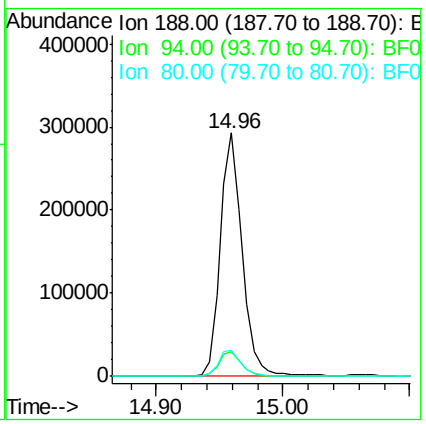


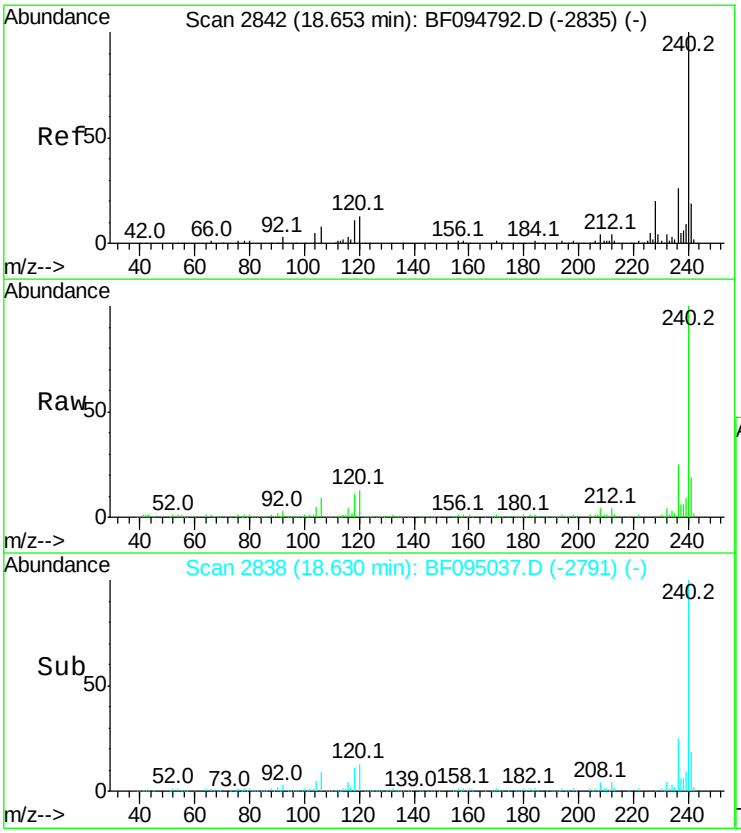

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion:188 Resp: 351575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 9.4 | 14.2 |
| 80 | 10.8 | 10.2 | 15.2 |

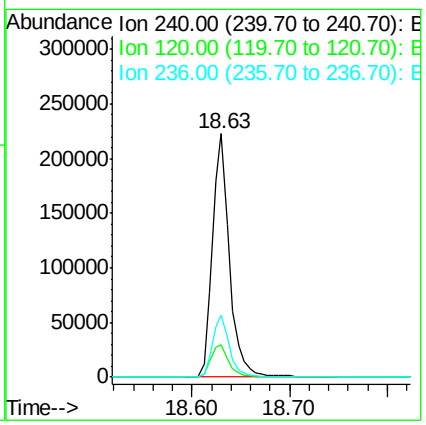


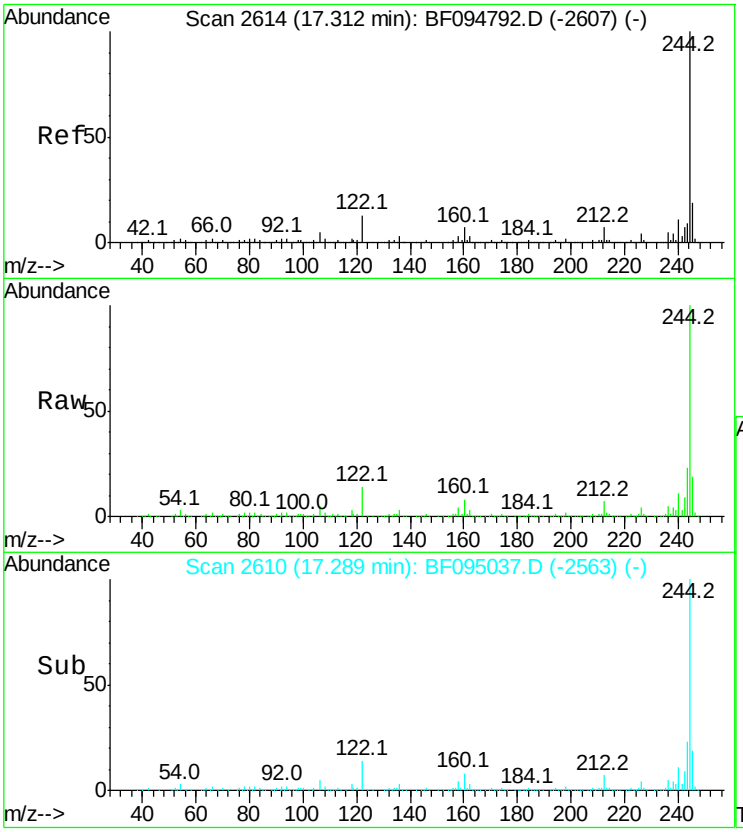




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:240 Resp: 268207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.2 | 5.8 | 8.8# |
| 236 | 25.4 | 20.5 | 30.7 |



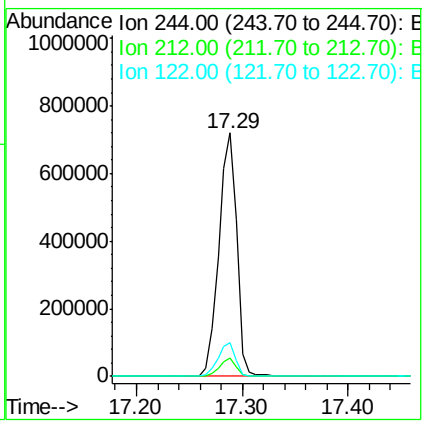


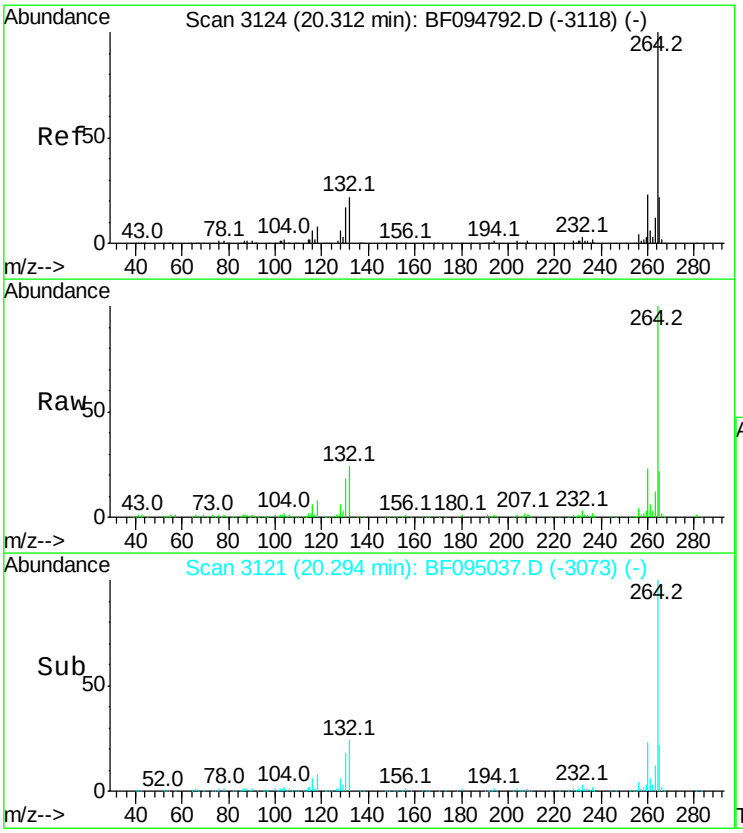

#78
Terphenyl-d14
Concen: 70.26 ng
RT: 17.29 min Scan# 2610
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

**Instrument :**
BNA_F
**ClientSampleId :**
TANK-265563

Tgt Ion:244 Resp: 855523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 14.0 | 10.3 | 15.5 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095037.D
Acq: 9 May 2017 23:20

Tgt Ion:264 Resp: 183739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 19.5 | 29.3 |
| 265 | 21.7 | 17.2 | 25.8 |