Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087558.D
Acq On : 30 May 2016 19:21
Operator : UM/SJ
Sample : H3317-13
Misc :
ALS Vial : 78 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GMW-04

Quant Time: May 31 01:48:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 31 00:45:12 2016
Response via : Initial Calibration

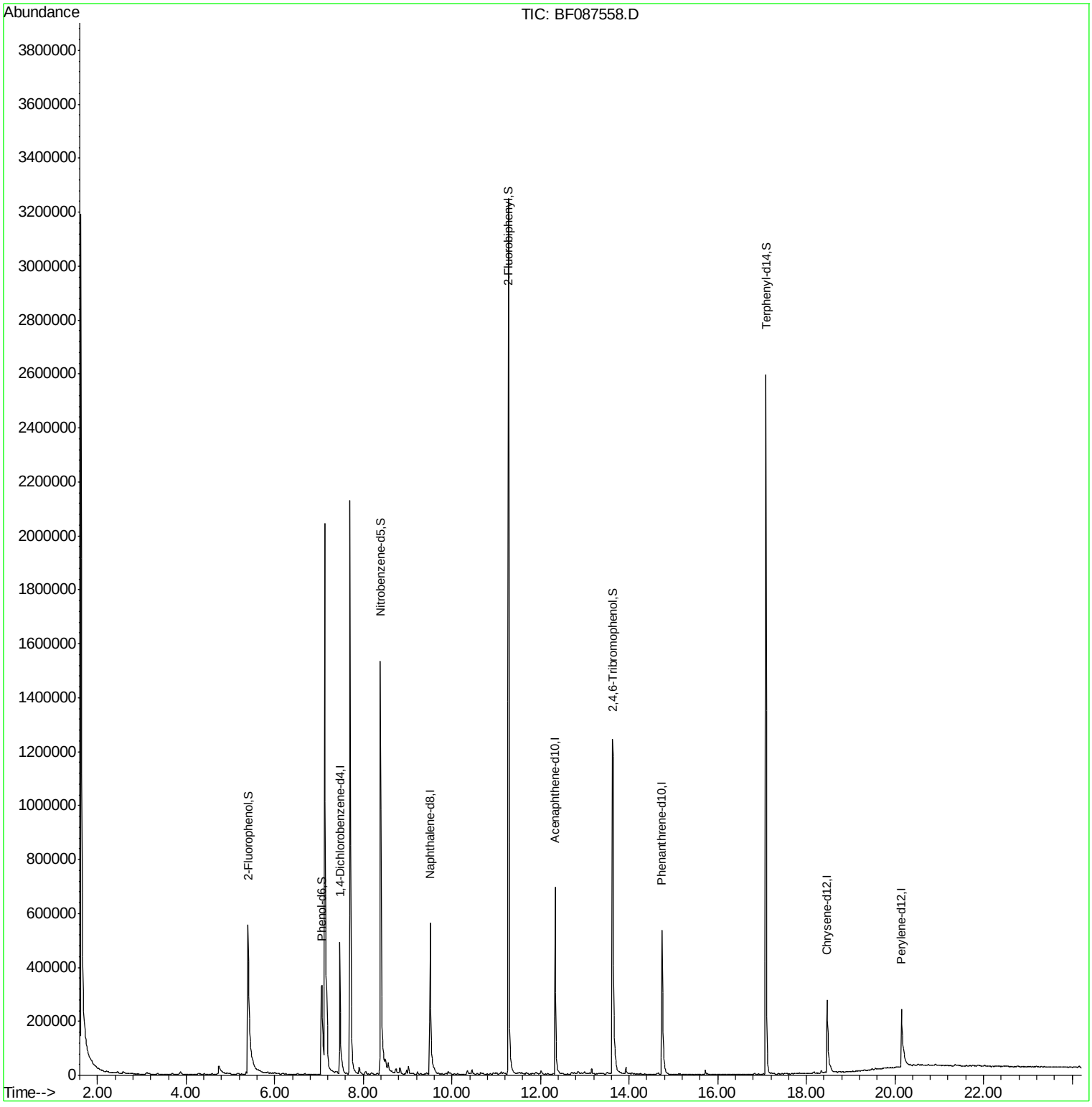
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.47 | 152 | 104256 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 9.51 | 136 | 426047 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 12.33 | 164 | 199076 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 14.74 | 188 | 351559 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 18.47 | 240 | 231228 | 20.00 | ng | 0.02 |
| 86) Perylene-d12 | 20.15 | 264 | 208542 | 20.00 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 381525 | 64.30 | ng | 0.02 |
| 7) Phenol-d6 | 7.06 | 99 | 325298 | 40.58 | ng | 0.02 |
| 23) Nitrobenzene-d5 | 8.39 | 82 | 774881 | 91.66 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 13.63 | 330 | 247480 | 129.36 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 11.28 | 172 | 1274549 | 90.26 | ng | -0.01 |
| 78) Terphenyl-d14 | 17.09 | 244 | 999278 | 91.88 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |

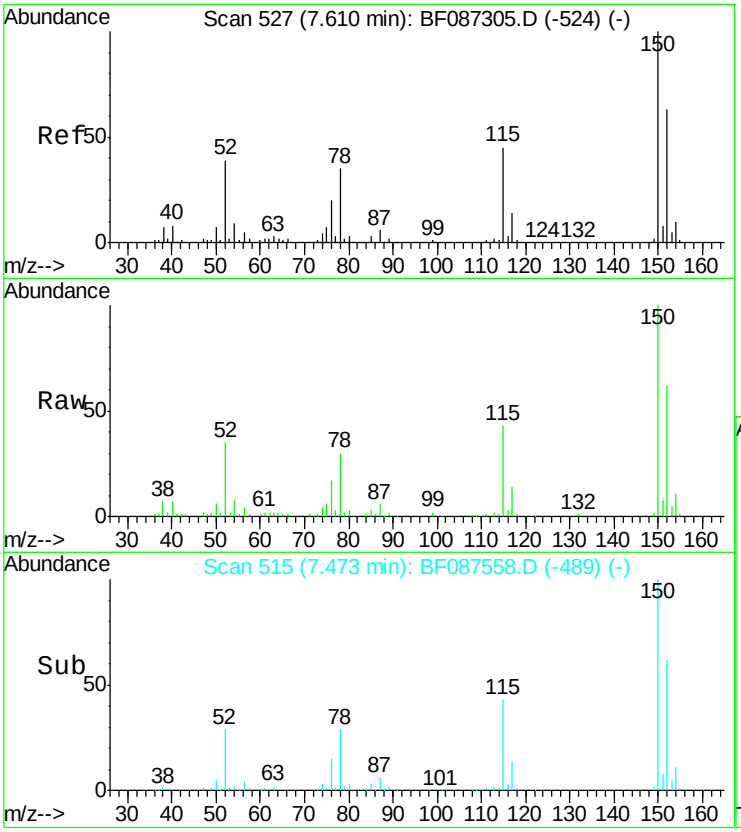
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087558.D
Acq On : 30 May 2016 19:21
Operator : UM/SJ
Sample : H3317-13
Misc :
ALS Vial : 78 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Quant Time: May 31 01:48:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 31 00:45:12 2016
Response via : Initial Calibration



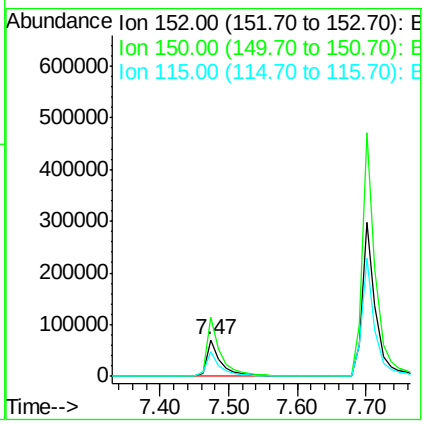


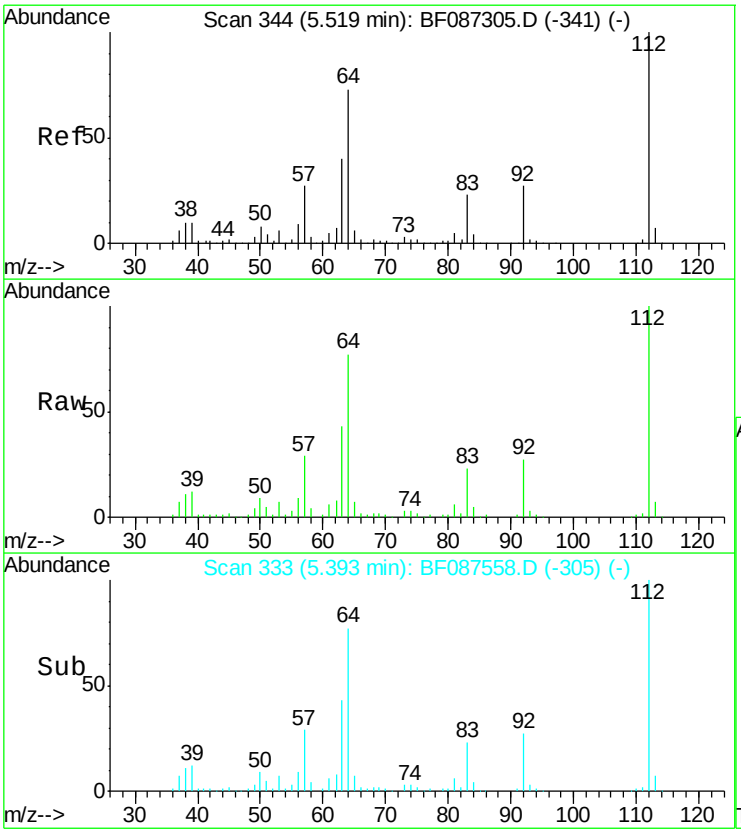

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.47 min Scan# 515
Delta R.T. 0.00 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Tgt Ion:152 Resp: 104256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.3 | 125.8 | 188.6 |
| 115 | 68.4 | 51.5 | 77.3 |

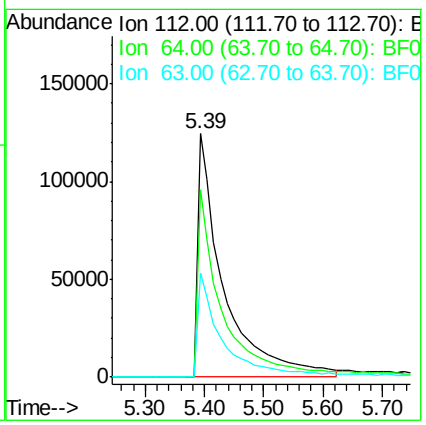


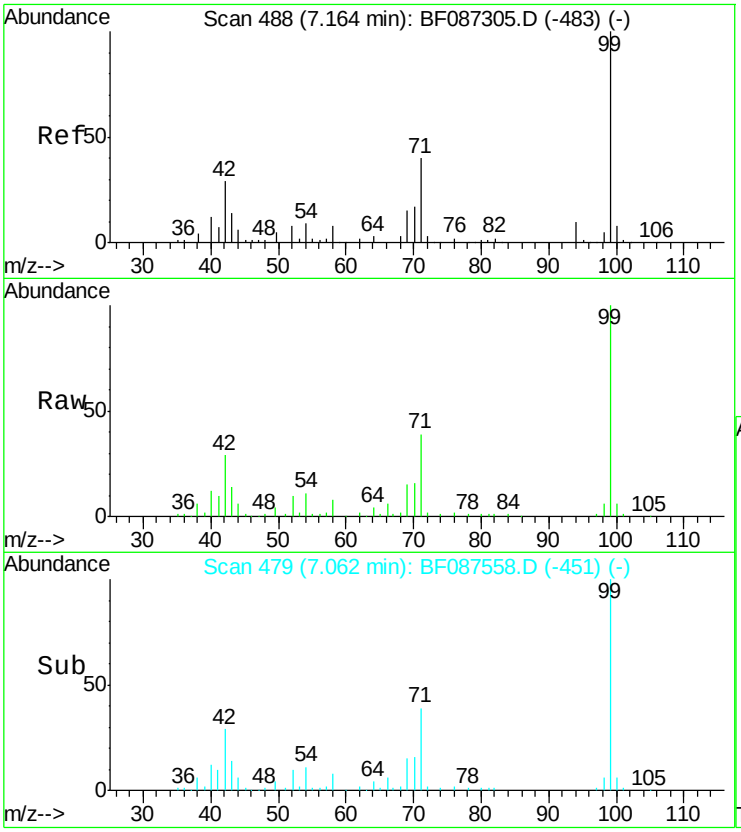




#5
2-Fluorophenol
Concen: 64.30 ng
RT: 5.39 min Scan# 333
Delta R.T. 0.02 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

Tgt Ion:112 Resp: 381525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 77.2 | 52.1 | 78.1 |
| 63 | 42.6 | 25.7 | 38.5# |



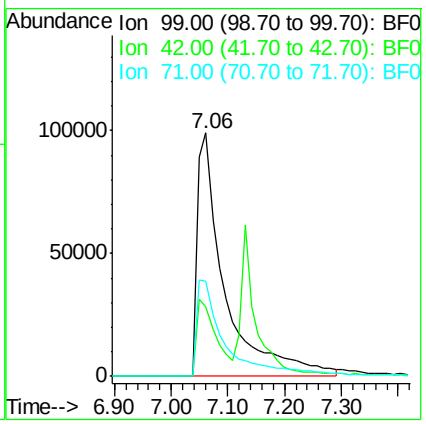


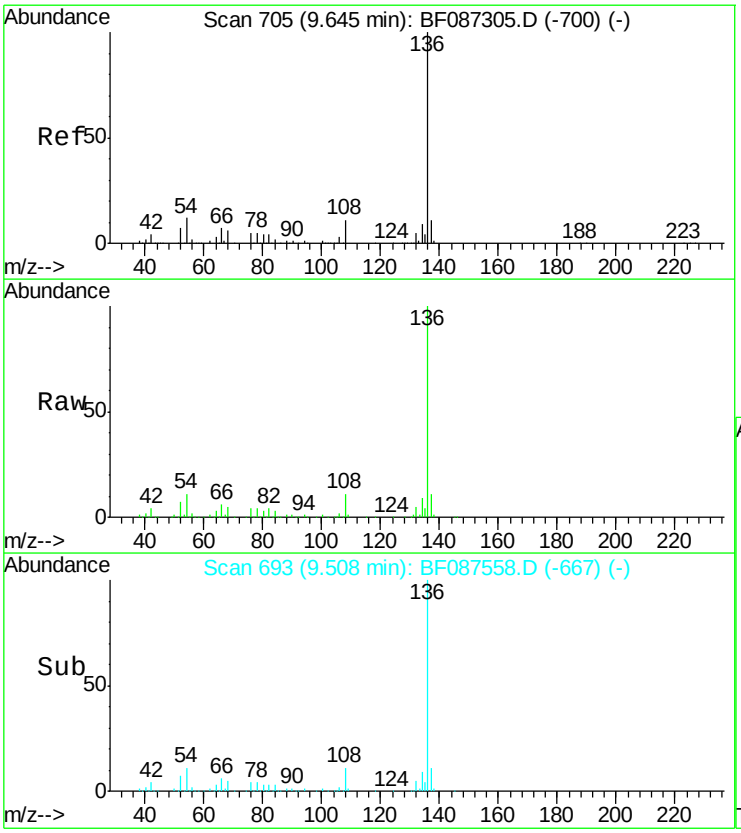

#7
Phenol-d6
Concen: 40.58 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.02 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Tgt Ion: 99 Resp: 325298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 28.6 | 13.6 | 20.4# |
| 71 | 39.3 | 24.6 | 36.8# |

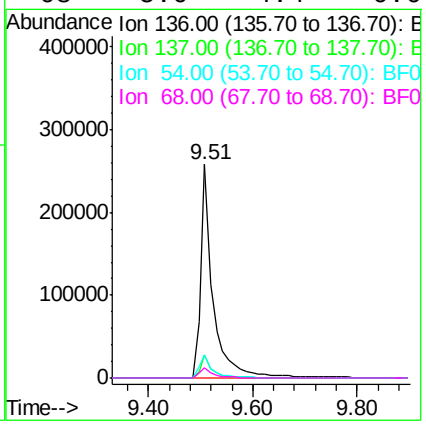


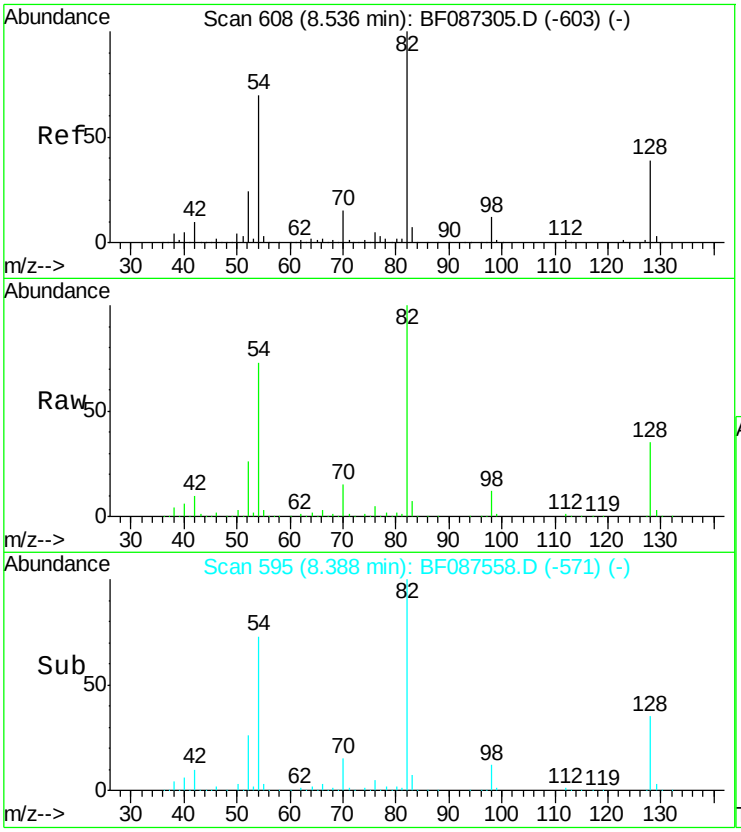




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

Tgt Ion:136 Resp: 426047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 10.5 | 5.0 | 7.4# |
| 68 | 5.0 | 4.4 | 6.6 |



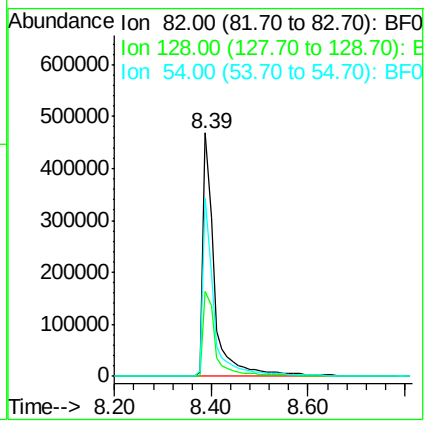


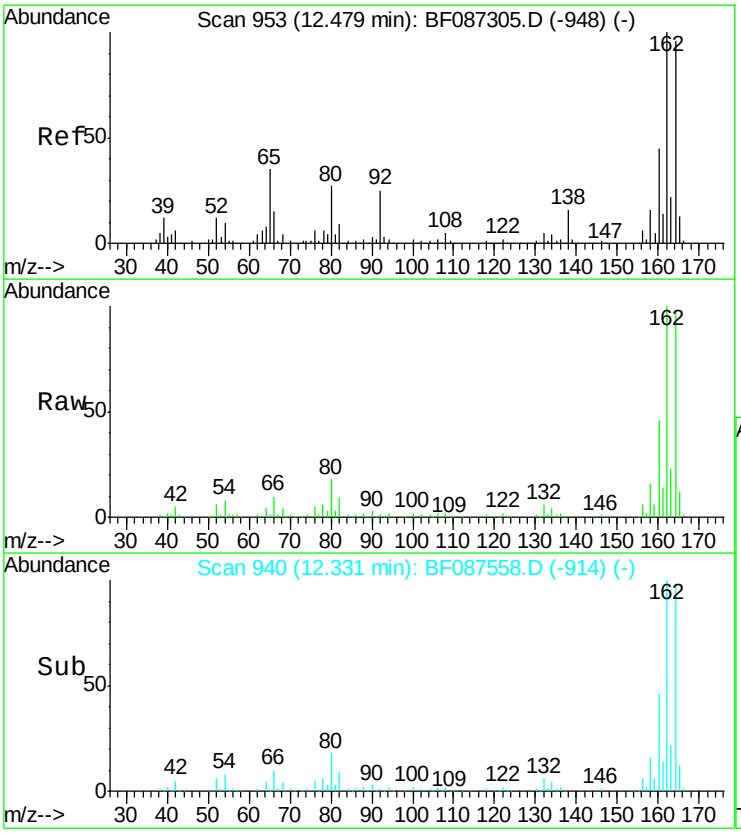

#23
Nitrobenzene-d5
Concen: 91.66 ng
RT: 8.39 min Scan# 595
Delta R.T. -0.02 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Tgt Ion: 82 Resp: 774881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.0 | 40.6 | 61.0# |
| 54 | 73.2 | 38.1 | 57.1# |

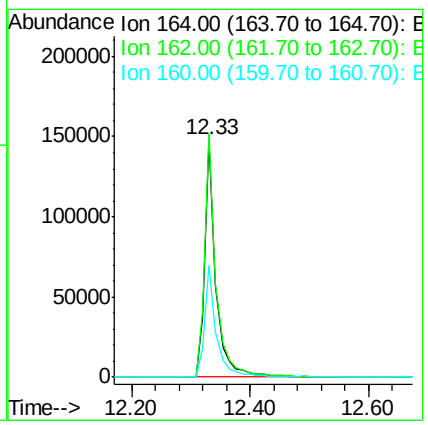


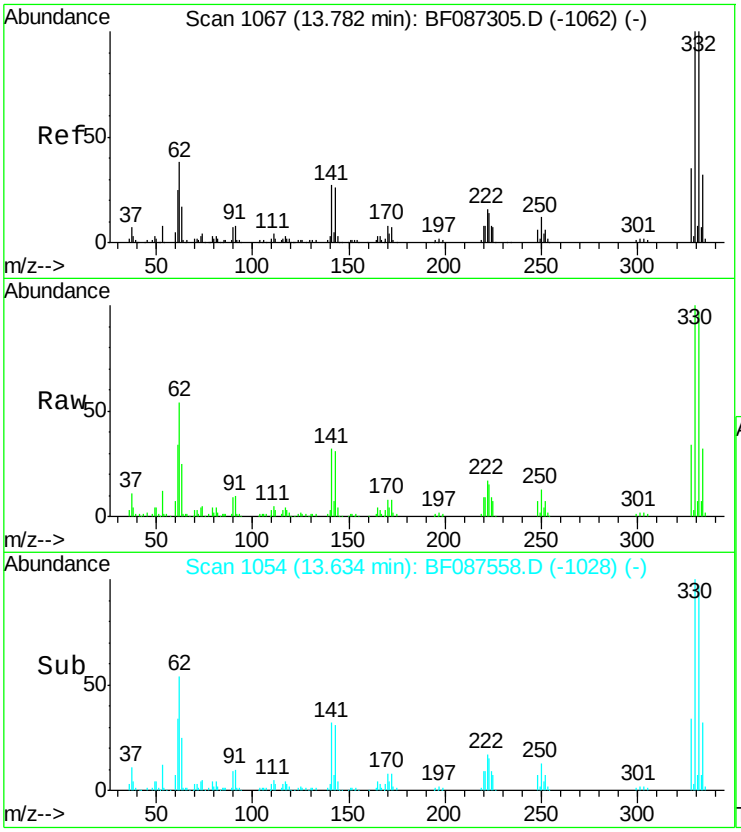




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.33 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

Tgt Ion:164 Resp: 199076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 82.8 | 124.2 |
| 160 | 47.1 | 36.9 | 55.3 |



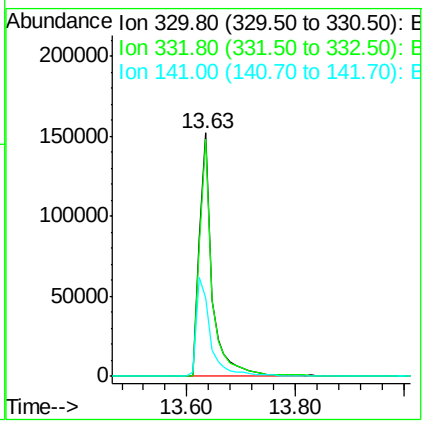


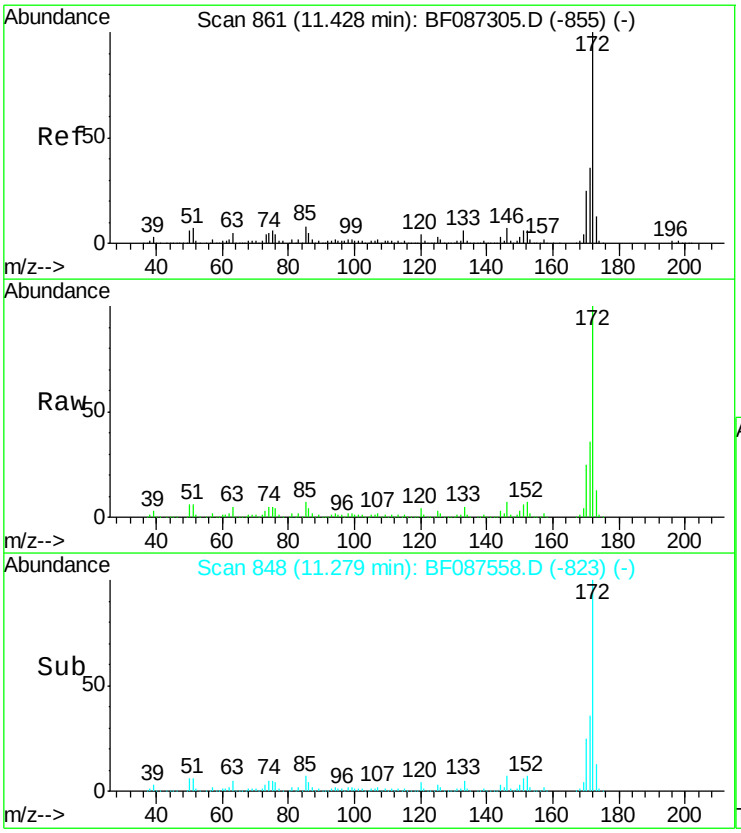

#41
2,4,6-Tribromophenol
Concen: 129.36 ng
RT: 13.63 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Tgt Ion:330 Resp: 247480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 79.0 | 118.4 |
| 141 | 44.9 | 31.2 | 46.8 |

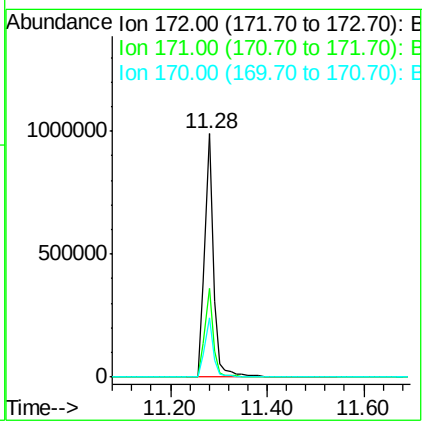


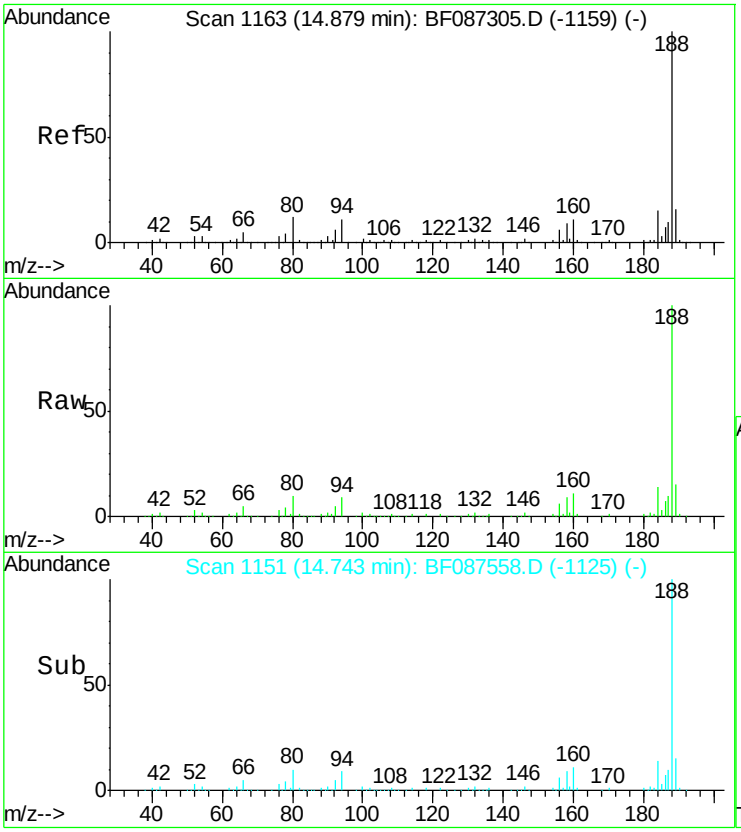




#44
2-Fluorobiphenyl
Concen: 90.26 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

Tgt Ion:172 Resp: 1274549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.0 | 43.6 |
| 170 | 24.6 | 19.8 | 29.8 |



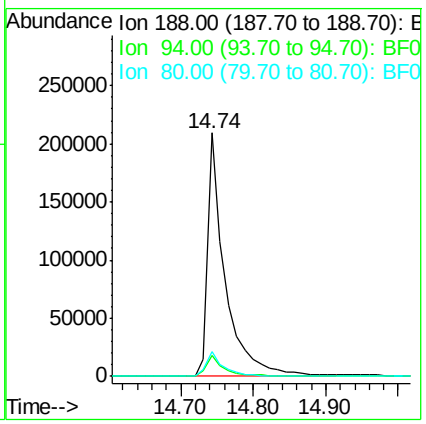


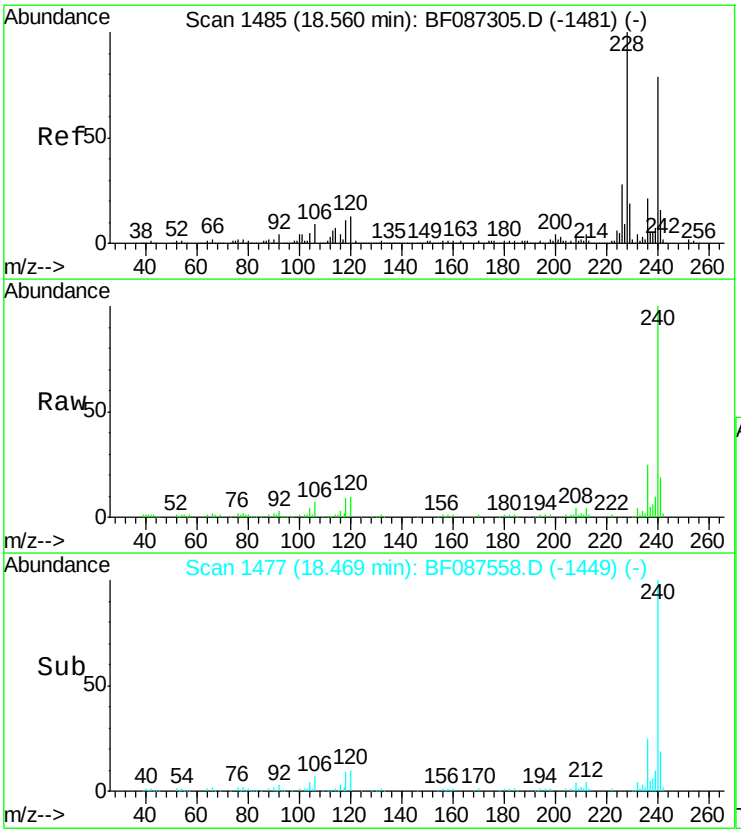

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Tgt Ion:188 Resp: 351559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.8 | 10.2 |
| 80 | 10.0 | 7.1 | 10.7 |

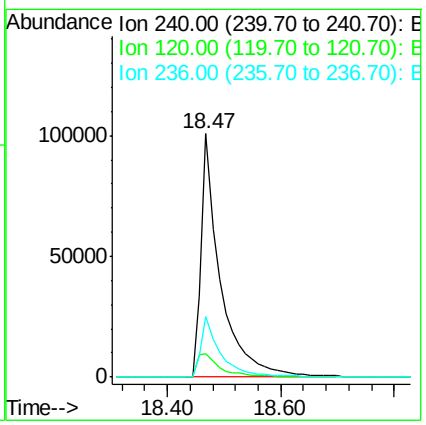


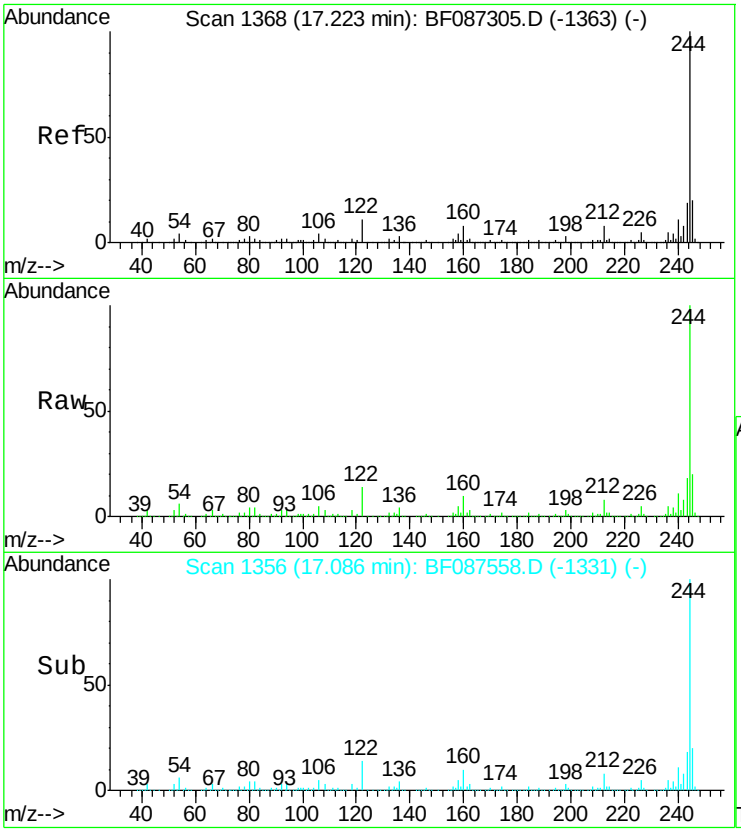




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.47 min Scan# 1477
Delta R.T. 0.02 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

Tgt Ion:240 Resp: 231228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 11.2 | 16.8# |
| 236 | 24.9 | 21.2 | 31.8 |



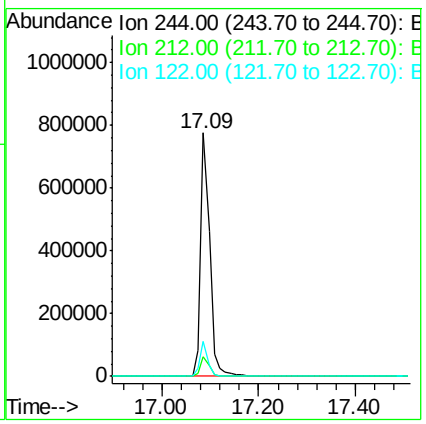


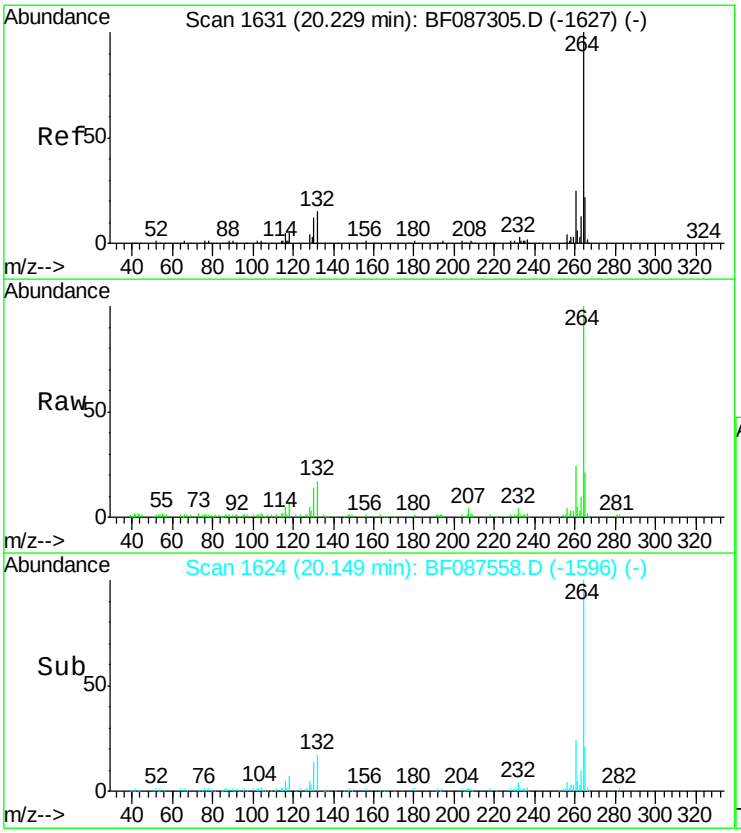

#78
Terphenyl-d14
Concen: 91.88 ng
RT: 17.09 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

**Instrument :**
BNA_F
**ClientSampleId :**
GMW-04

Tgt Ion:244 Resp: 999278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 6.2 | 9.2 |
| 122 | 14.1 | 12.0 | 18.0 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.15 min Scan# 1624
Delta R.T. 0.02 min
Lab File: BF087558.D
Acq: 30 May 2016 19:21

Tgt Ion:264 Resp: 208542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.5 | 29.3 |
| 265 | 21.0 | 17.3 | 25.9 |