Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
Data File : BF087616.D
Acq On : 1 Jun 2016 11:09
Operator : UM/SJ
Sample : H3190-19DL 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CHS-STA-1685(0-4)

Quant Time: Jun 01 13:36:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.44 | 152 | 105110 | 20.00 | ng | | -0.08 |
| 21) Naphthalene-d8 | 9.47 | 136 | 421912 | 20.00 | ng | | -0.08 |
| 38) Acenaphthene-d10 | 12.30 | 164 | 181594 | 20.00 | ng | | -0.09 |
| 63) Phenanthrene-d10 | 14.70 | 188 | 289103 | 20.00 | ng | | -0.08 |
| 75) Chrysene-d12 | 18.41 | 240 | 234314 | 20.00 | ng | | -0.07 |
| 86) Perylene-d12 | 20.10 | 264 | 192375 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 51668 | 8.64 | ng | | 0.02 |
| 7) Phenol-d6 | 7.07 | 99 | 86999 | 10.76 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.42 | 82 | 60207 | 7.19 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 13.62 | 330 | 15879 | 9.10 | ng | | -0.06 |
| 44) 2-Fluorobiphenyl | 11.24 | 172 | 117501 | 9.12 | ng | | -0.09 |
| 78) Terphenyl-d14 | 17.06 | 244 | 66559 | 6.04 | ng | | -0.07 |
| **Target Compounds** | | | | | | | Qvalue |
| 70) Phenanthrene | 14.74 | 178 | 123011 | 7.68 | ng | | 98 |
| 74) Fluoranthene | 16.51 | 202 | 249711 | 15.55 | ng | | 95 |
| 77) Pyrene | 16.82 | 202 | 203385 | 12.06 | ng | | 98 |
| 80) Benzo(a)anthracene | 18.41 | 228 | 103004 | 7.73 | ng | | 93 |
| 82) Chrysene | 18.46 | 228 | 96030 | 7.26 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 19.70 | 252 | 161359 | 15.30 | ng | | 99 |
| 89) Benzo(a)pyrene | 20.06 | 252 | 64829 | 6.12 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 21.73 | 276 | 35449 | 3.97 | ng | # | 91 |

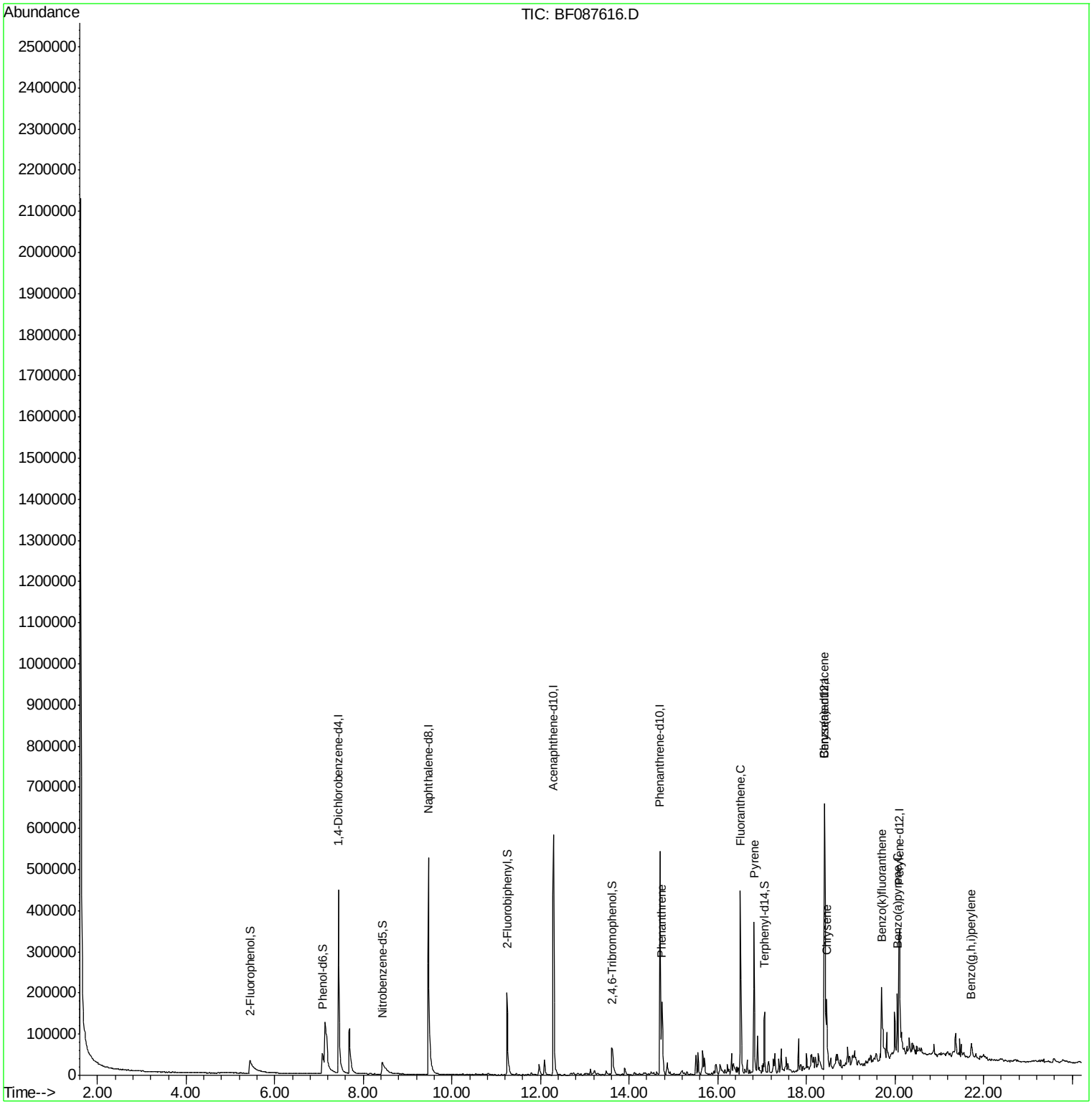
(#) = qualifier out of range (m) = manual integration (+) = signals summed

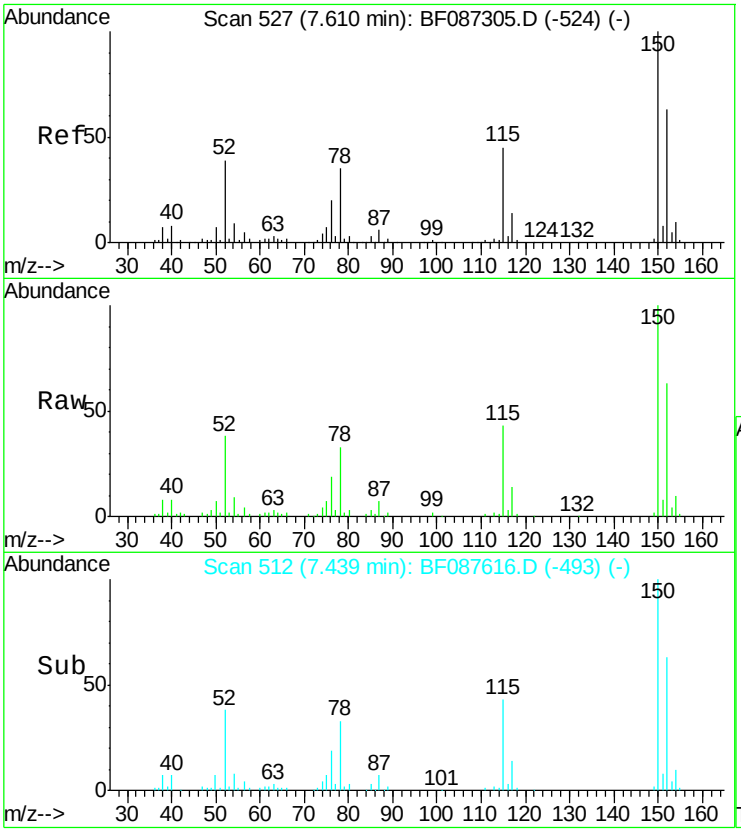
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
Data File : BF087616.D
Acq On : 1 Jun 2016 11:09
Operator : UM/SJ
Sample : H3190-19DL 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Quant Time: Jun 01 13:36:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration



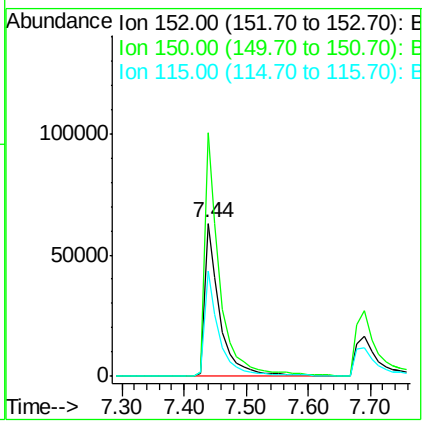


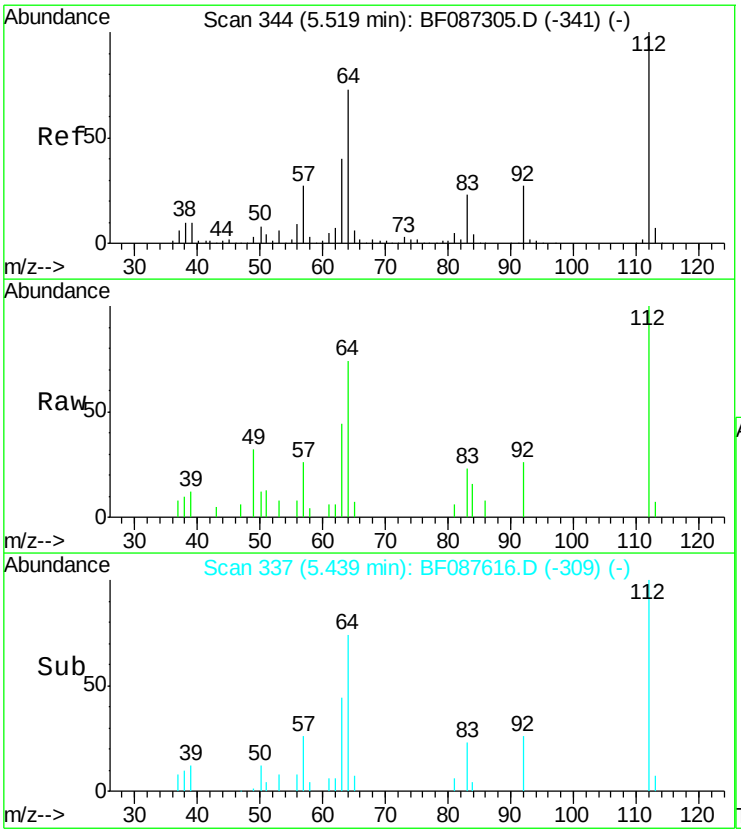

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:152 Resp: 105110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.2 | 125.8 | 188.6 |
| 115 | 68.9 | 51.5 | 77.3 |

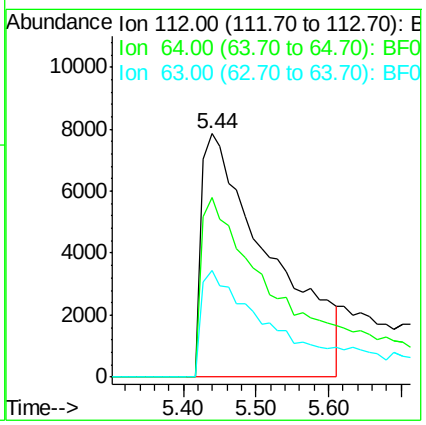


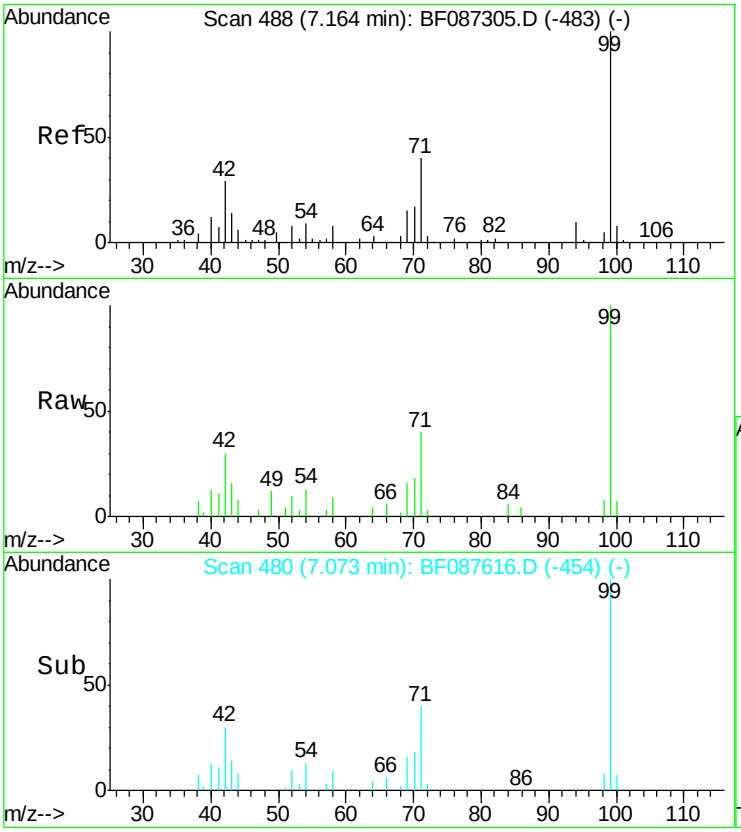




#5
2-Fluorophenol
Concen: 8.64 ng
RT: 5.44 min Scan# 337
Delta R.T. 0.02 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:112 Resp: 51668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 73.6 | 52.1 | 78.1 |
| 63 | 43.8 | 25.7 | 38.5# |



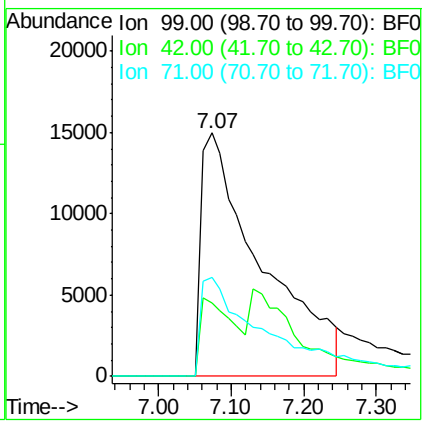


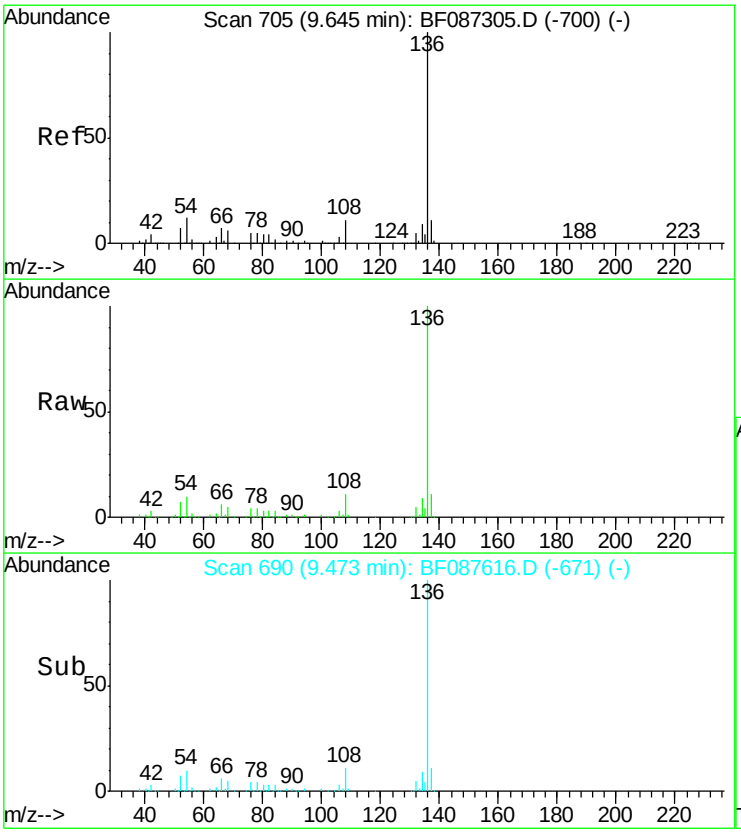

#7
Phenol-d6
Concen: 10.76 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion: 99 Resp: 86999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 30.1 | 13.6 | 20.4# |
| 71 | 40.4 | 24.6 | 36.8# |

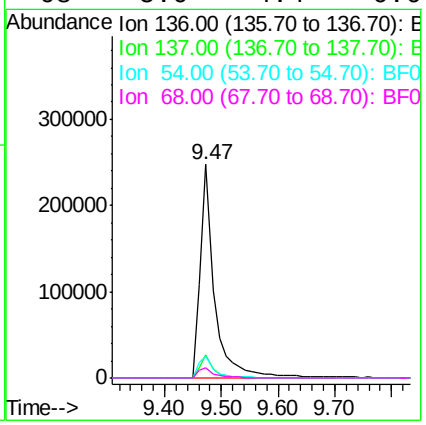


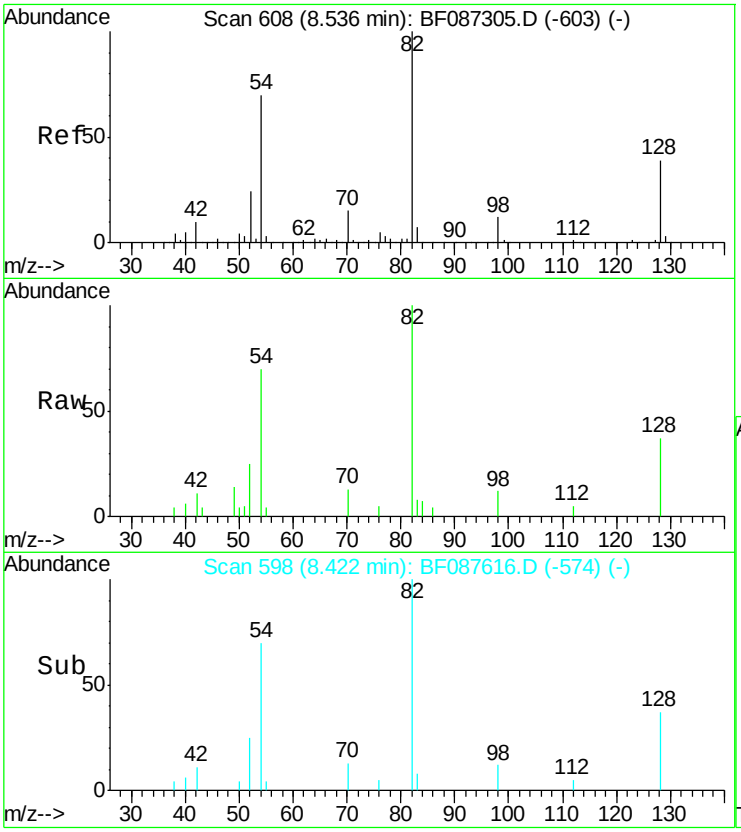




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:136 Resp: 421912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 10.0 | 5.0 | 7.4# |
| 68 | 5.0 | 4.4 | 6.6 |



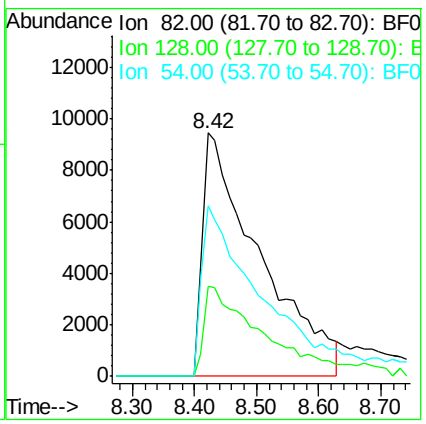


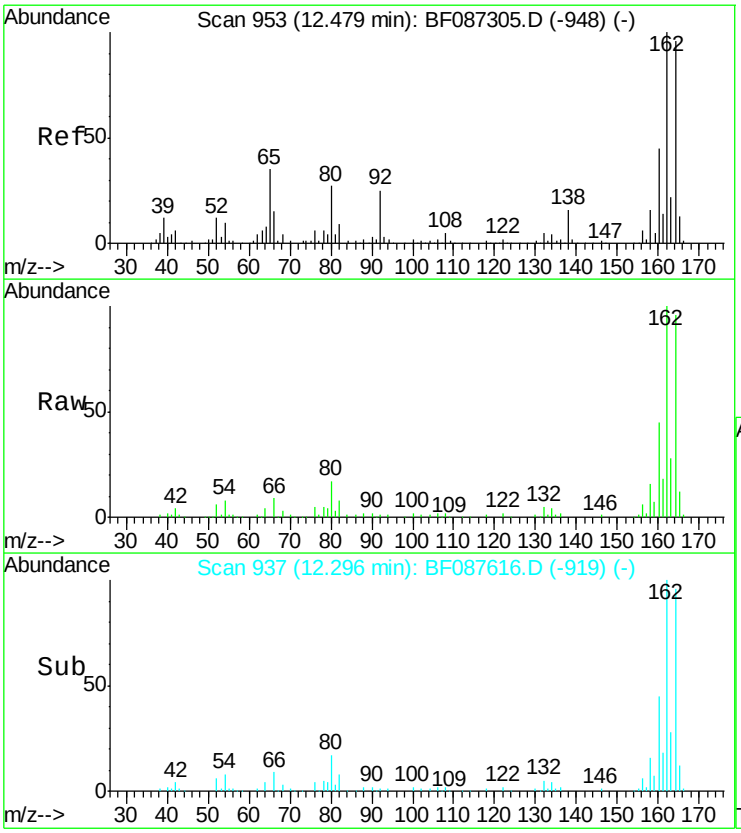

#23
Nitrobenzene-d5
Concen: 7.19 ng
RT: 8.42 min Scan# 598
Delta R.T. -0.02 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion: 82 Resp: 60207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.0 | 40.6 | 61.0# |
| 54 | 70.0 | 38.1 | 57.1# |

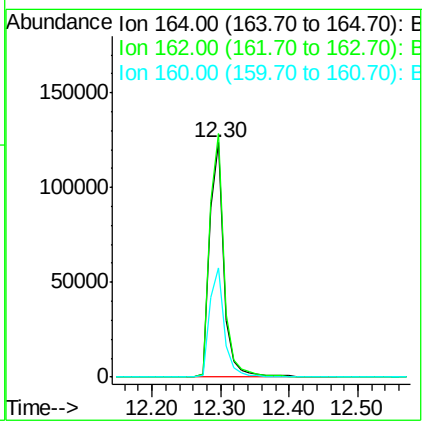


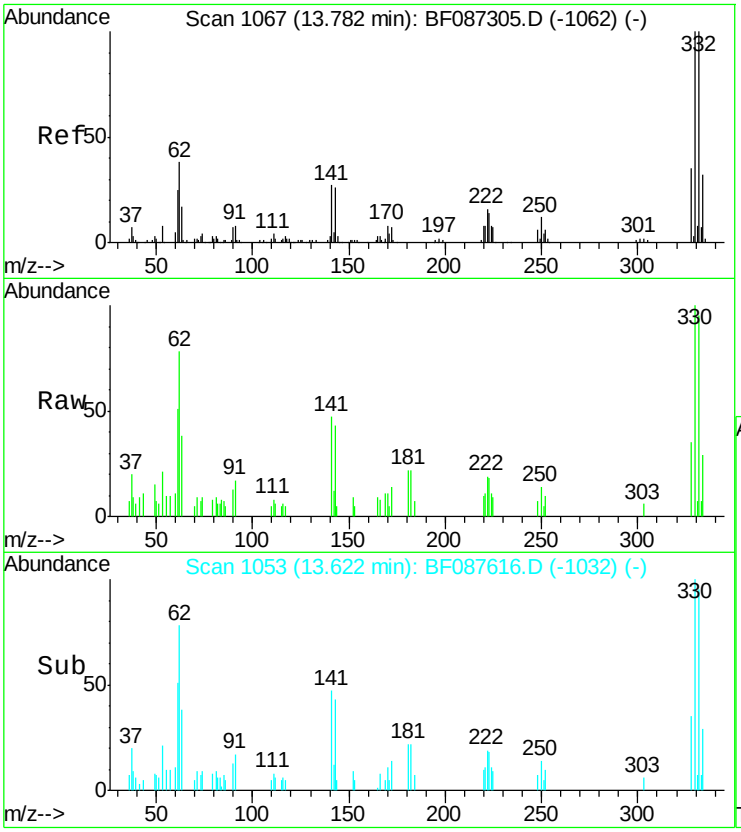




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.09 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:164 Resp: 181594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 82.8 | 124.2 |
| 160 | 46.8 | 36.9 | 55.3 |



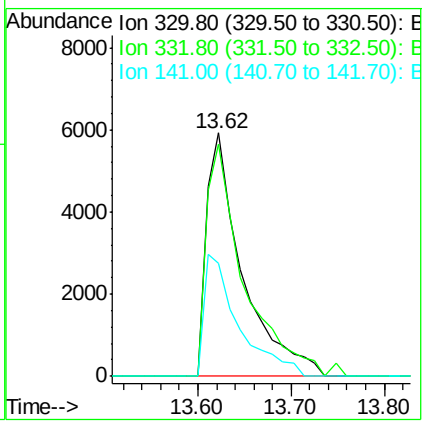


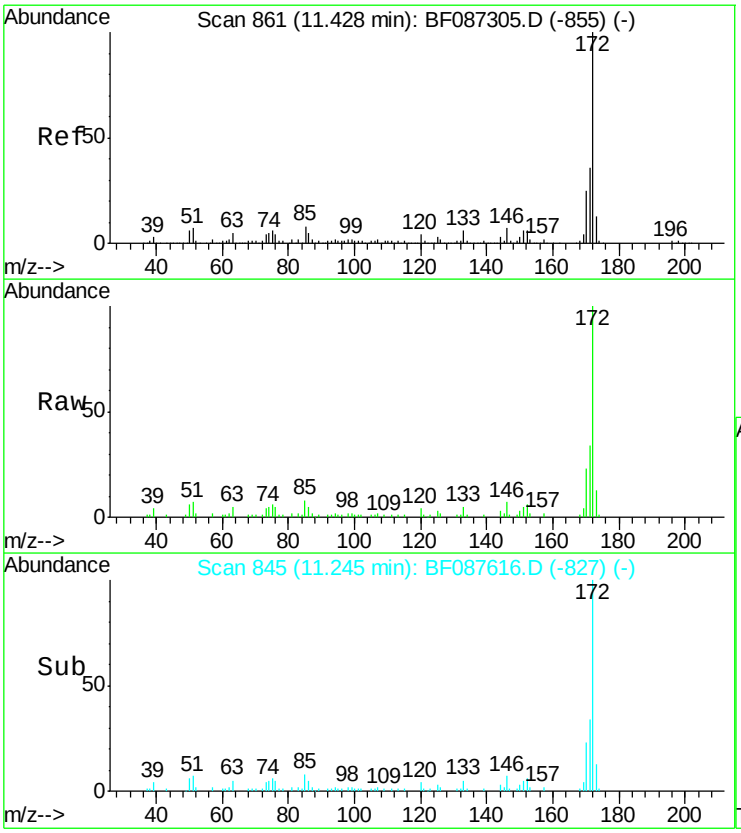

#41
2,4,6-Tribromophenol
Concen: 9.10 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.06 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:330 Resp: 15879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 100.7 | 79.0 | 118.4 |
| 141 | 48.2 | 31.2 | 46.8# |

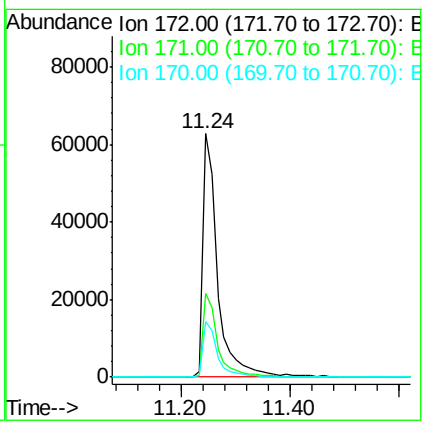


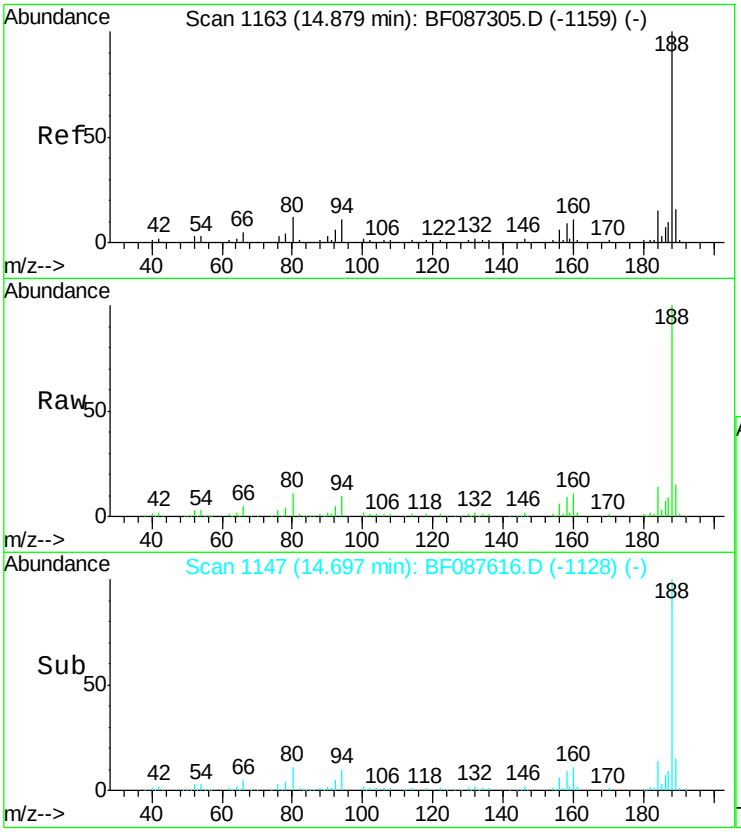




#44
2-Fluorobiphenyl
Concen: 9.12 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.09 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:172 Resp: 117501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.4 | 29.0 | 43.6 |
| 170 | 23.0 | 19.8 | 29.8 |



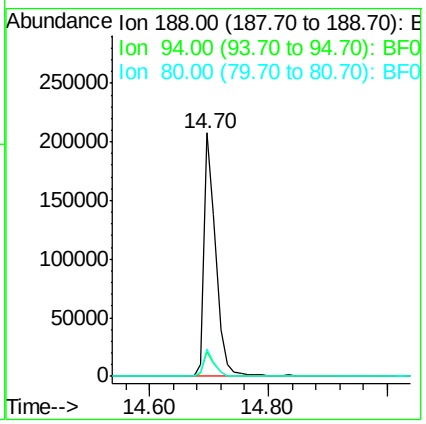


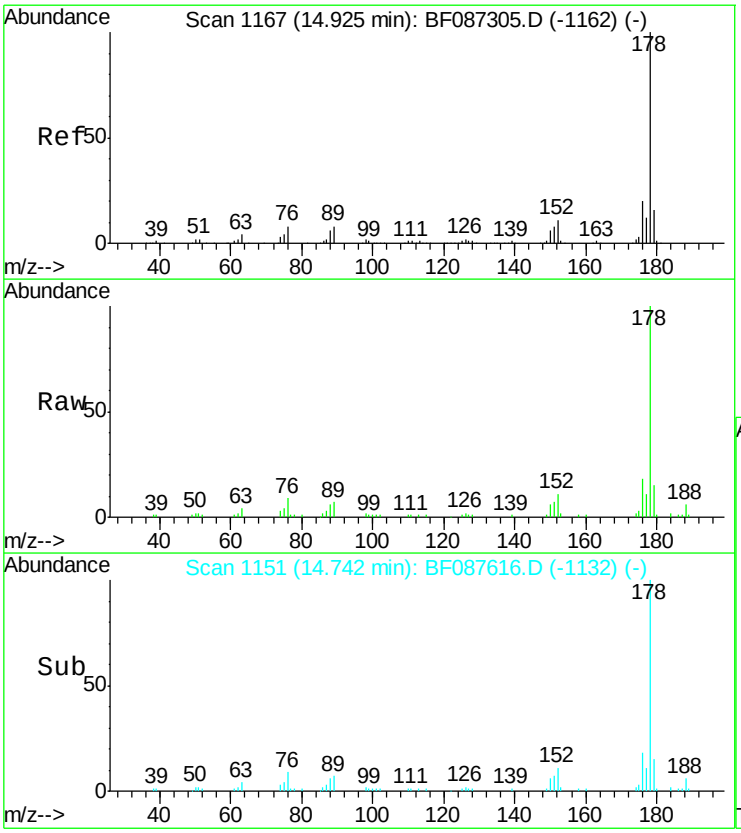

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:188 Resp: 289103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.0 | 6.8 | 10.2 |
| 80 | 11.3 | 7.1 | 10.7# |

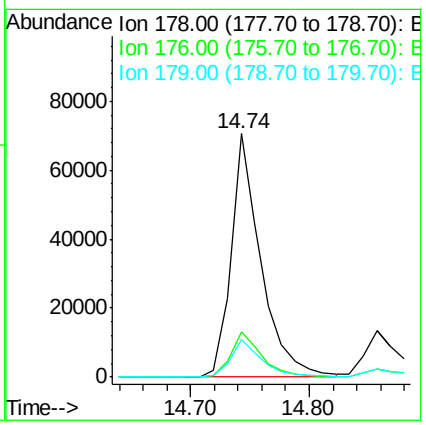


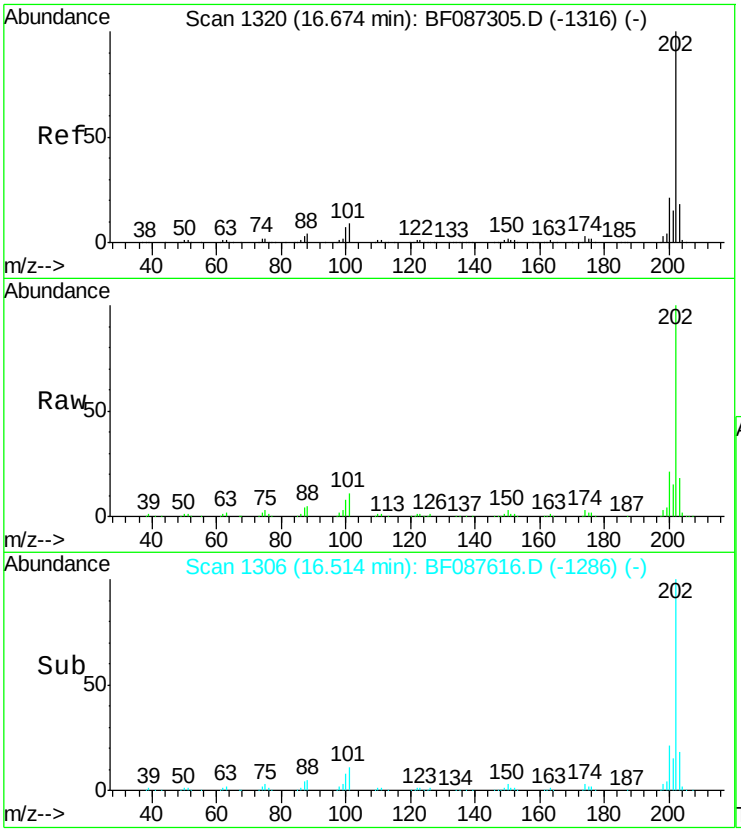




#70
Phenanthrene
Concen: 7.68 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:178 Resp: 123011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 16.0 | 24.0 |
| 179 | 15.2 | 12.6 | 18.8 |



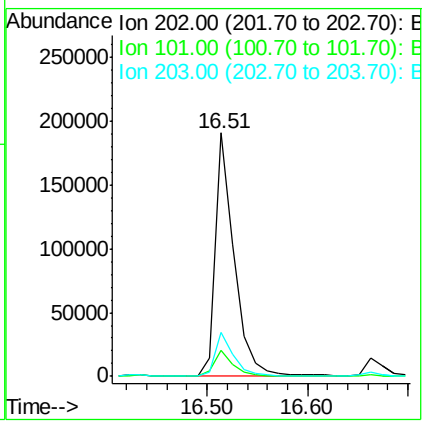


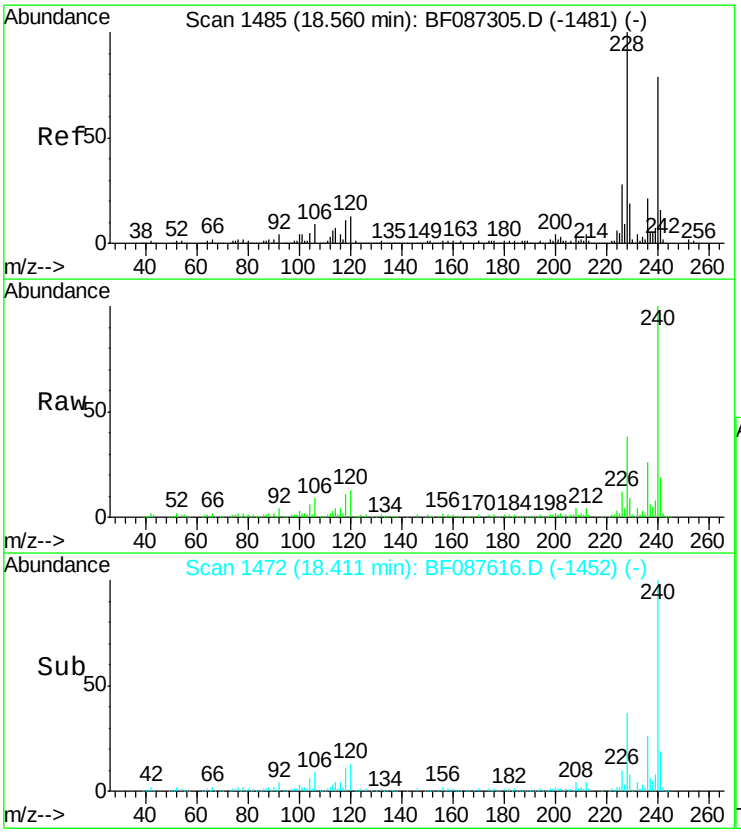

#74
Fluoranthene
Concen: 15.55 ng
RT: 16.51 min Scan# 1306
Delta R.T. -0.07 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:202 Resp: 249711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 0.0 | 35.4 |
| 203 | 17.8 | 0.0 | 38.1 |

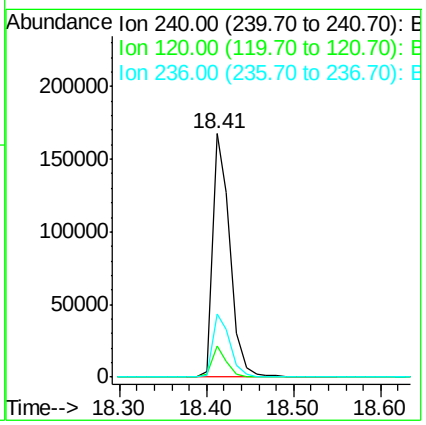


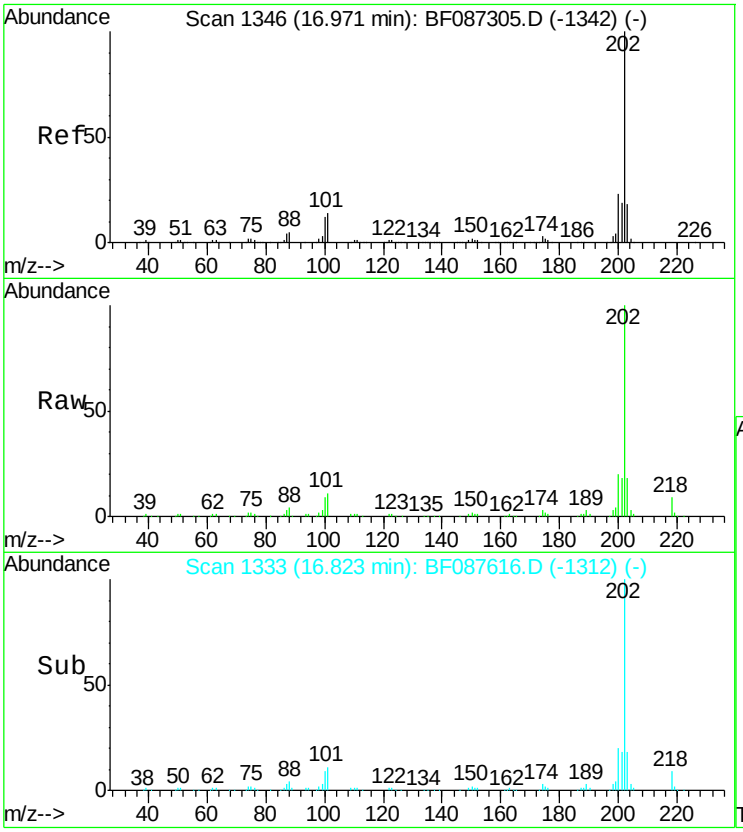




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.41 min Scan# 1472
Delta R.T. -0.07 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:240 Resp: 234314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.6 | 11.2 | 16.8 |
| 236 | 25.9 | 21.2 | 31.8 |



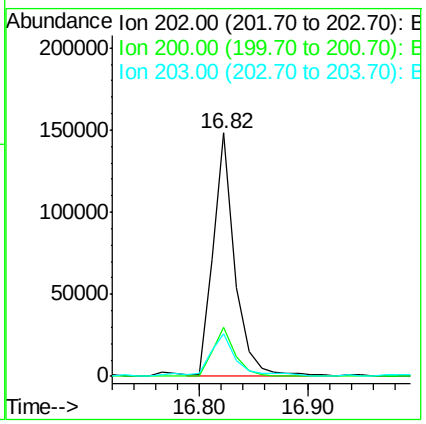


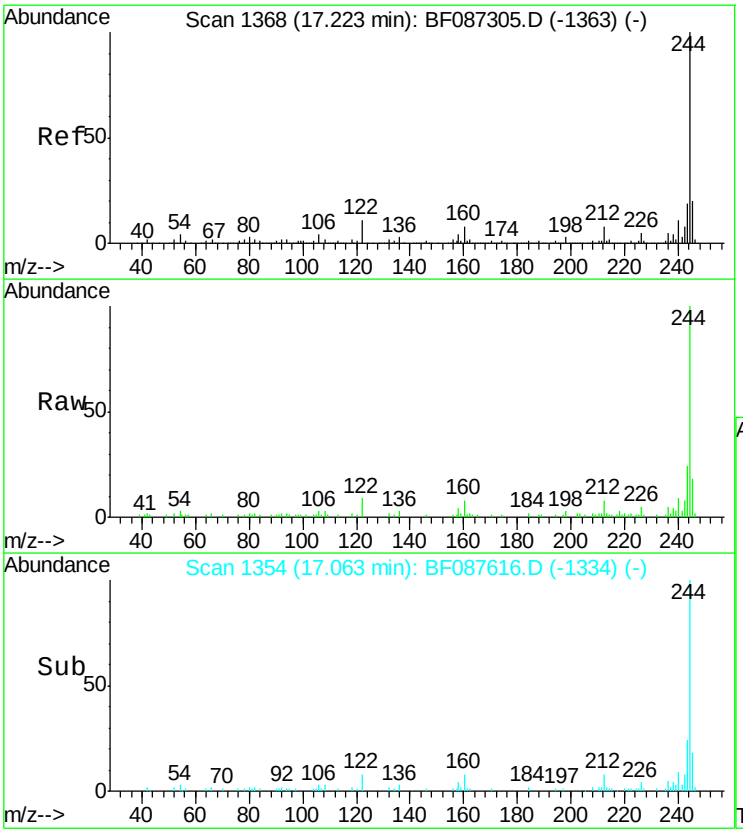

#77
Pyrene
Concen: 12.06 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.06 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:202 Resp: 203385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 17.7 | 26.5 |
| 203 | 17.6 | 14.2 | 21.4 |

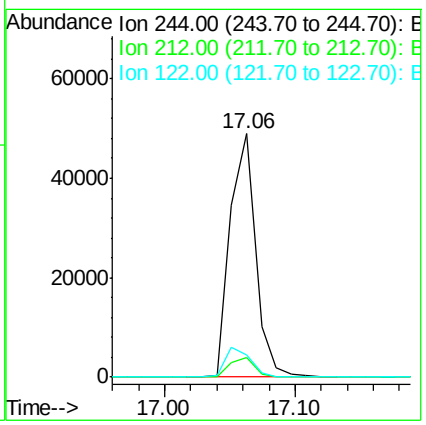


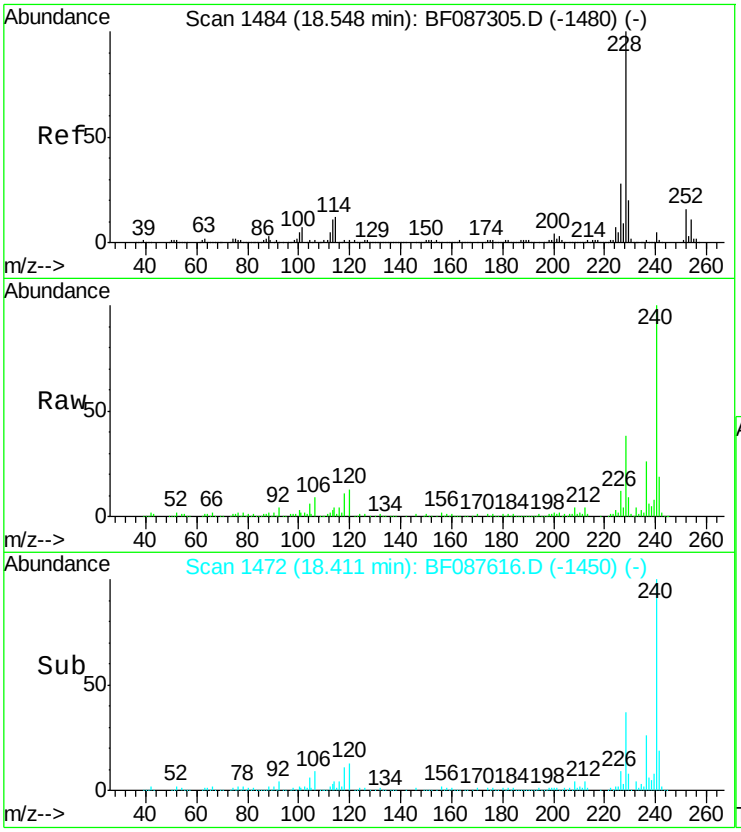




#78
Terphenyl-d14
Concen: 6.04 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.07 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:244 Resp: 66559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 6.2 | 9.2 |
| 122 | 9.0 | 12.0 | 18.0# |



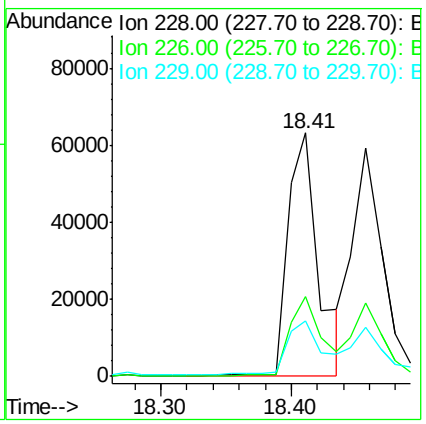


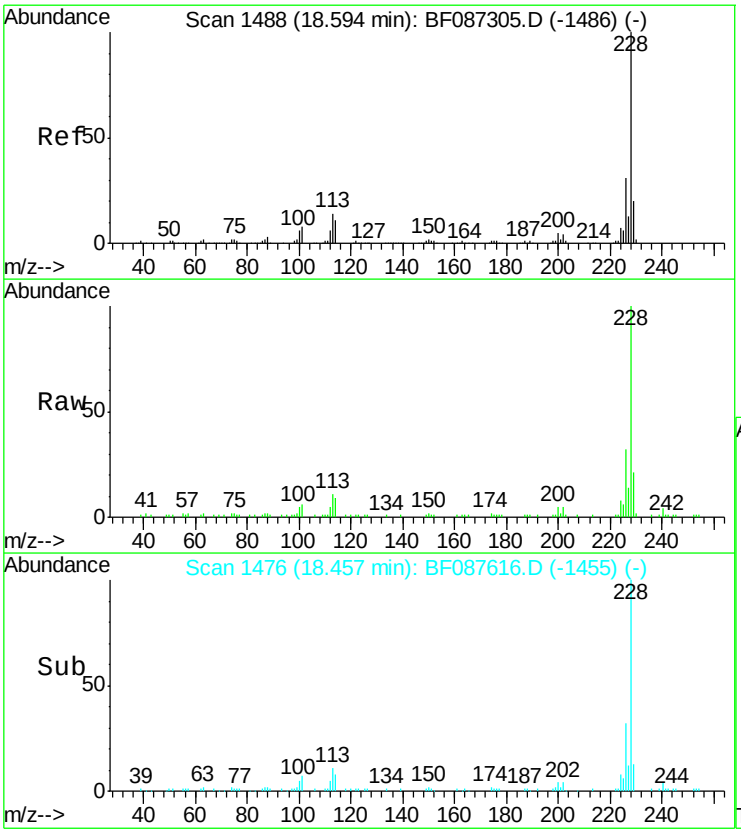

#80
Benzo(a)anthracene
Concen: 7.73 ng
RT: 18.41 min Scan# 1472
Delta R.T. -0.05 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:228 Resp: 103004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.0 | 22.5 | 33.7 |
| 229 | 22.6 | 16.6 | 25.0 |

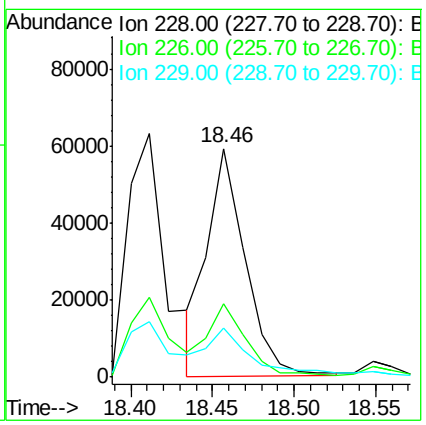


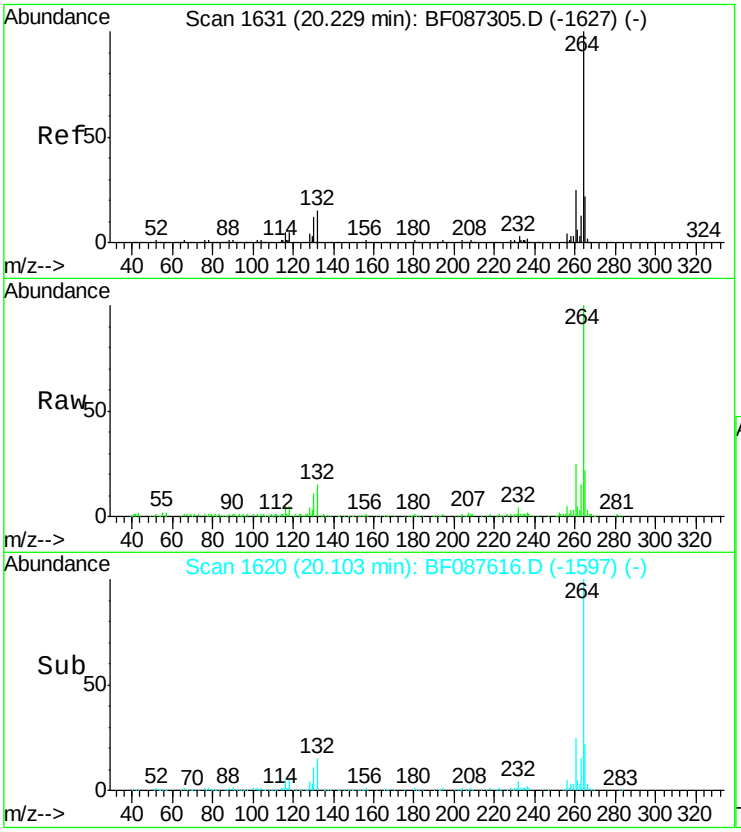




#82
Chrysene
Concen: 7.26 ng
RT: 18.46 min Scan# 1476
Delta R.T. -0.06 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:228 Resp: 96030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.1 | 24.4 | 36.6 |
| 229 | 21.5 | 15.8 | 23.8 |



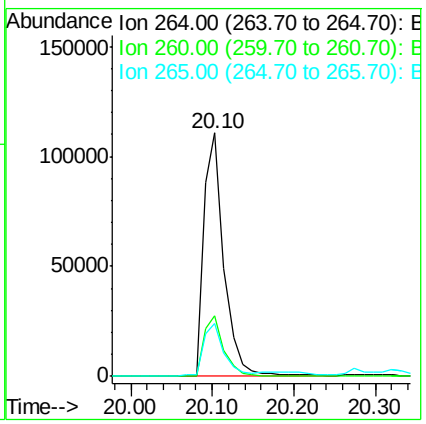


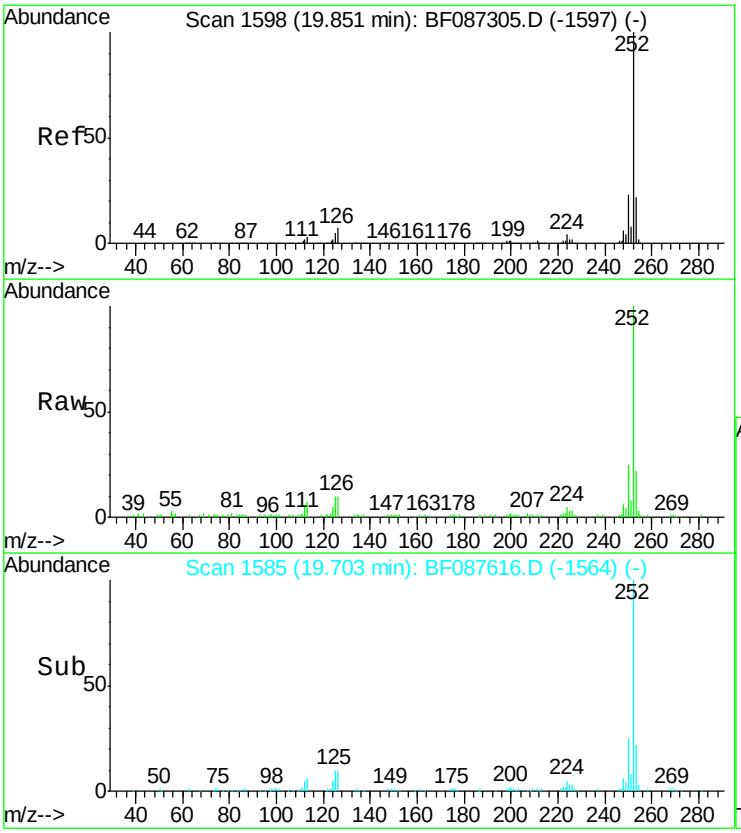

#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.03 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:264 Resp: 192375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.5 | 29.3 |
| 265 | 21.7 | 17.3 | 25.9 |

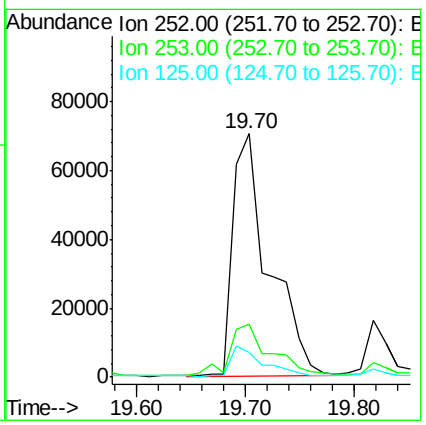


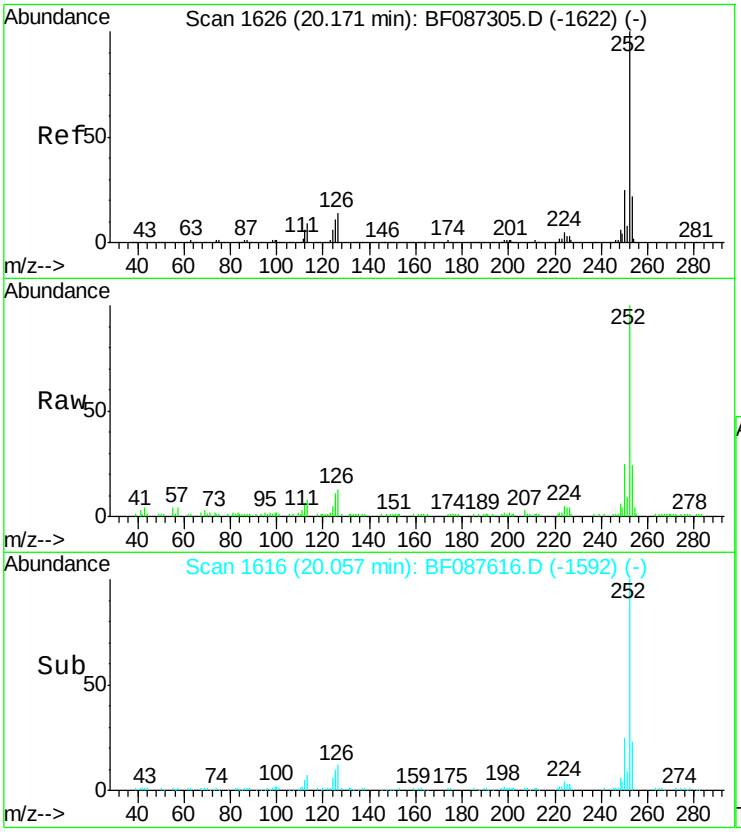




#88
Benzo(k)fluoranthene
Concen: 15.30 ng
RT: 19.70 min Scan# 1585
Delta R.T. -0.06 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:252 Resp: 161359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 10.4 | 9.1 | 13.7 |



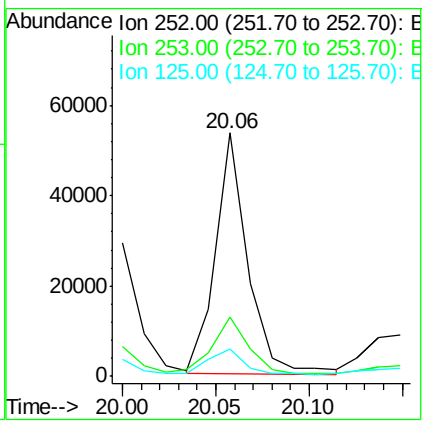


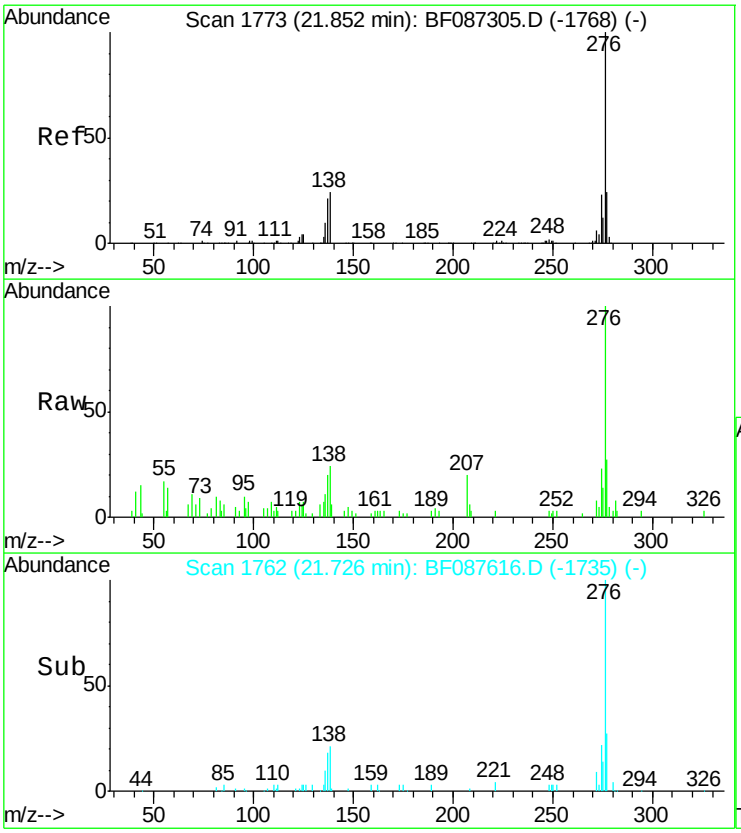

#89
Benzo(a)pyrene
Concen: 6.12 ng
RT: 20.06 min Scan# 1616
Delta R.T. -0.02 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

**Instrument :**
BNA_F
**ClientSampleId :**
CHS-STA-1685(0-4)

Tgt Ion:252 Resp: 64829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 17.2 | 25.8 |
| 125 | 11.1 | 9.0 | 13.6 |




#91
Benzo(g,h,i)perylene
Concen: 3.97 ng
RT: 21.73 min Scan# 1762
Delta R.T. 0.01 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion:276 Resp: 35449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.3 | 19.6 | 29.4 |
| 138 | 23.5 | 23.6 | 35.4# |