Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
Data File : BE091943.D
Acq On : 24 Jun 2016 12:58
Operator : UM/SJ
Sample : H3676-03
Misc :
ALS Vial : 3 Sample Multiplier: 0.5

**Instrument :** BNA_E
**ClientSampleId :** NCHC-010

Quant Time: Jun 24 17:25:10 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.20 | 152 | 14561 | 5.00 | ng | | 0.00 |
| 8) Naphthalene-d8 | 10.99 | 136 | 68009 | 5.00 | ng | | 0.00 |
| 15) Acenaphthene-d10 | 14.86 | 164 | 52595 | 5.00 | ng | | 0.00 |
| 24) Phenanthrene-d10 | 17.59 | 188 | 97658 | 5.00 | ng | | -0.01 |
| 31) Chrysene-d12 | 21.76 | 240 | 147213 | 5.00 | ng | | 0.00 |
| 40) Perylene-d12 | 24.17 | 264 | 105253 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.72 | 112 | 58432 | 10.26 | ng | | 0.00 |
| 5) Phenol-d6 | 7.35 | 99 | 90769 | 9.61 | ng | | 0.00 |
| 9) Nitrobenzene-d5 | 9.37 | 82 | 48186 | 5.13 | ng | | 0.00 |
| 16) 2,4,6-Tribromophenol | 16.35 | 330 | 22773 | 8.27 | ng | | 0.00 |
| 17) 2-Fluorobiphenyl | 13.48 | 172 | 122062 | 4.57 | ng | | 0.00 |
| 34) Terphenyl-d14 | 20.22 | 244 | 159630 | 4.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 14) 2-Methylnaphthalene | 12.69 | 142 | 323 | 0.03 | ng | # | 85 |
| 18) Acenaphthylene | 14.59 | 152 | 4606 | 0.09 | ng | # | 77 |
| 22) Fluorene | 15.90 | 166 | 1020 | 0.07 | ng | # | 78 |
| 27) Pentachlorophenol | 17.25 | 266 | 329 | 0.39 | ng | # | 85 |
| 28) Phenanthrene | 17.64 | 178 | 7995 | 0.33 | ng | | 98 |
| 29) Anthracene | 17.73 | 178 | 2184 | 0.10 | ng | | 97 |
| 30) Fluoranthene | 19.65 | 202 | 75206 | 0.72 | ng | # | 87 |
| 33) Pyrene | 19.99 | 202 | 83046 | 0.83 | ng | # | 64 |
| 35) Benzo(a)anthracene | 21.73 | 228 | 11119m | 0.48 | ng | | |
| 37) Chrysene | 21.78 | 228 | 14638m | 0.43 | ng | | |
| 38) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 150313 | 5.76 | ng | # | 100 |
| 39) Indeno(1,2,3-cd)pyrene | 26.68 | 276 | 37045 | 0.32 | ng | | 96 |
| 41) Benzo(b)fluoranthene | 23.43 | 252 | 19234m | 0.71 | ng | | |
| 42) Benzo(k)fluoranthene | 23.47 | 252 | 7674m | 0.31 | ng | | |
| 43) Benzo(a)pyrene | 24.06 | 252 | 11381 | 0.48 | ng | # | 42 |
| 45) Benzo(g,h,i)perylene | 27.47 | 276 | 51415 | 0.54 | ng | # | 74 |

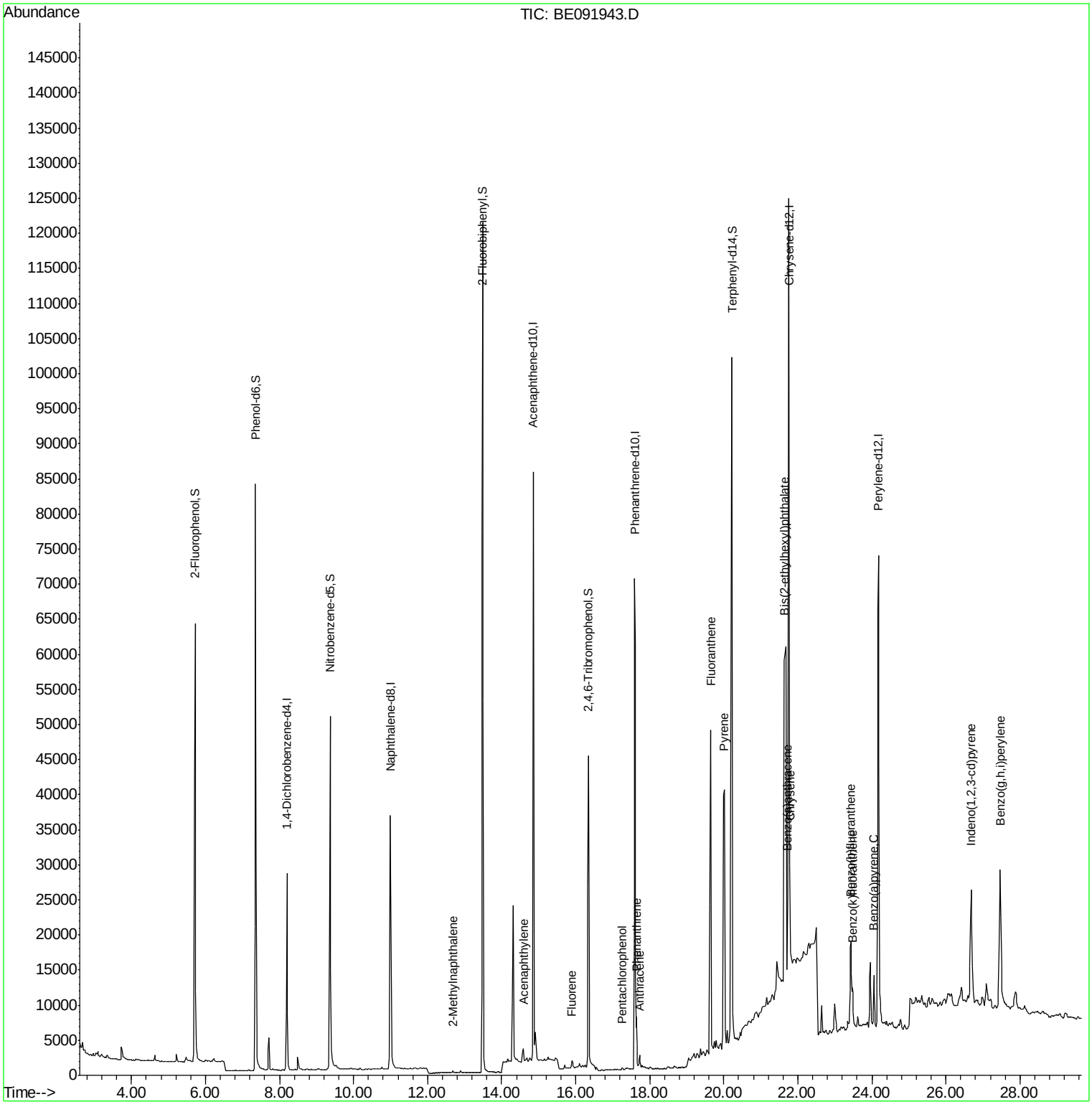
(#) = qualifier out of range (m) = manual integration (+) = signals summed

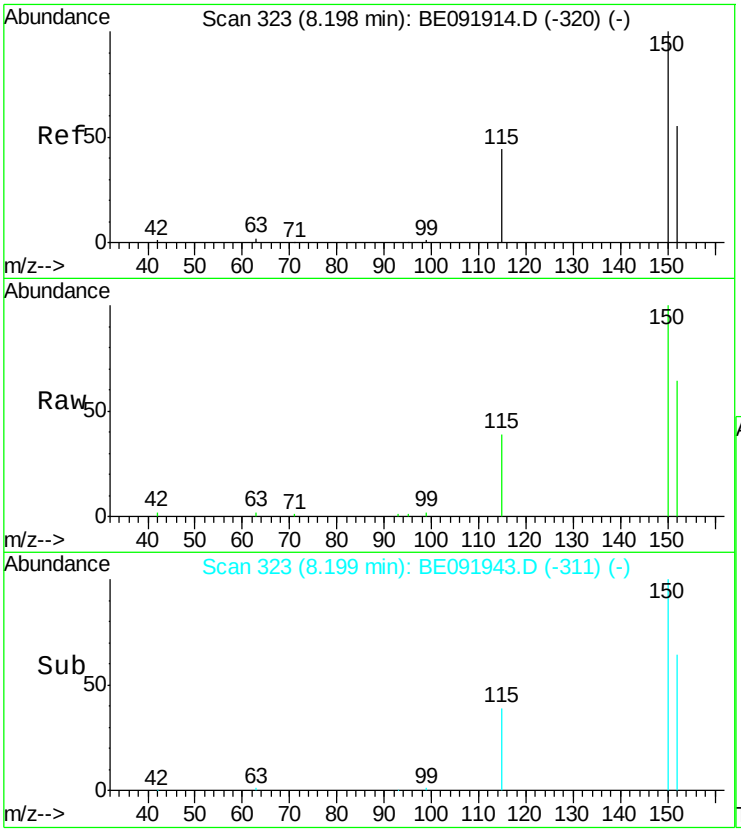
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
Data File : BE091943.D
Acq On : 24 Jun 2016 12:58
Operator : UM/SJ
Sample : H3676-03
Misc :
ALS Vial : 3 Sample Multiplier: 0.5

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Quant Time: Jun 24 17:25:10 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration



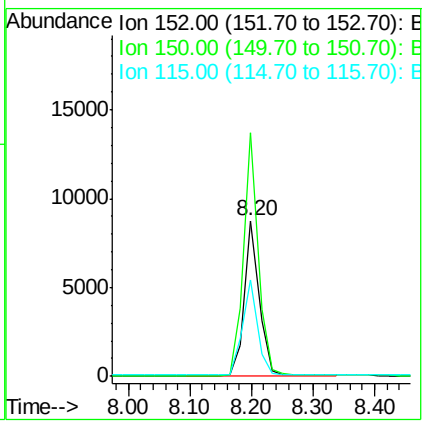


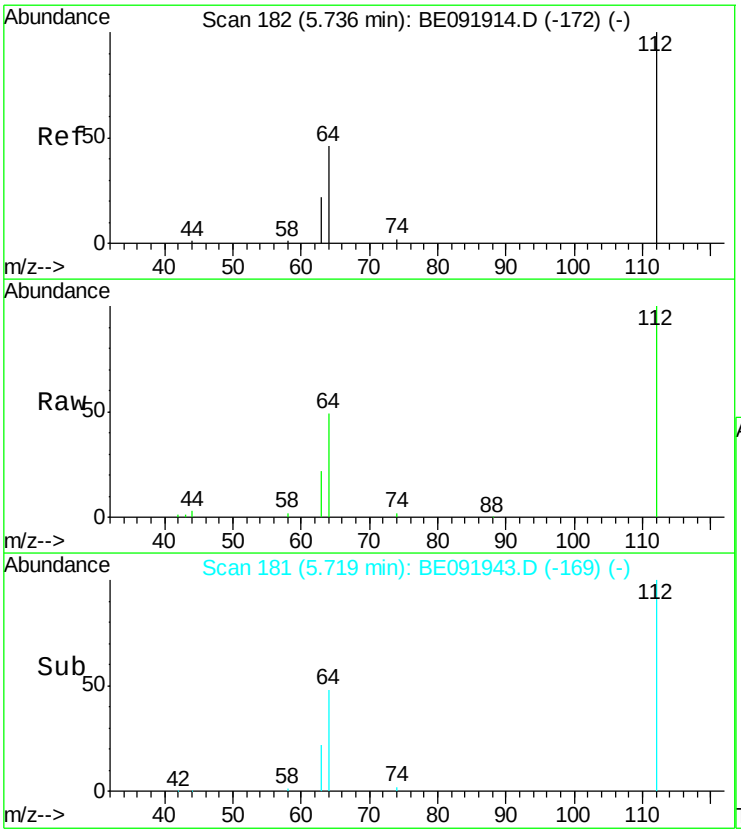

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:152 Resp: 14561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 123.9 | 185.9 |
| 115 | 61.5 | 48.3 | 72.5 |

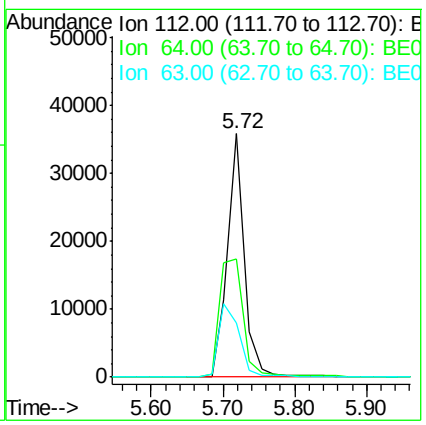


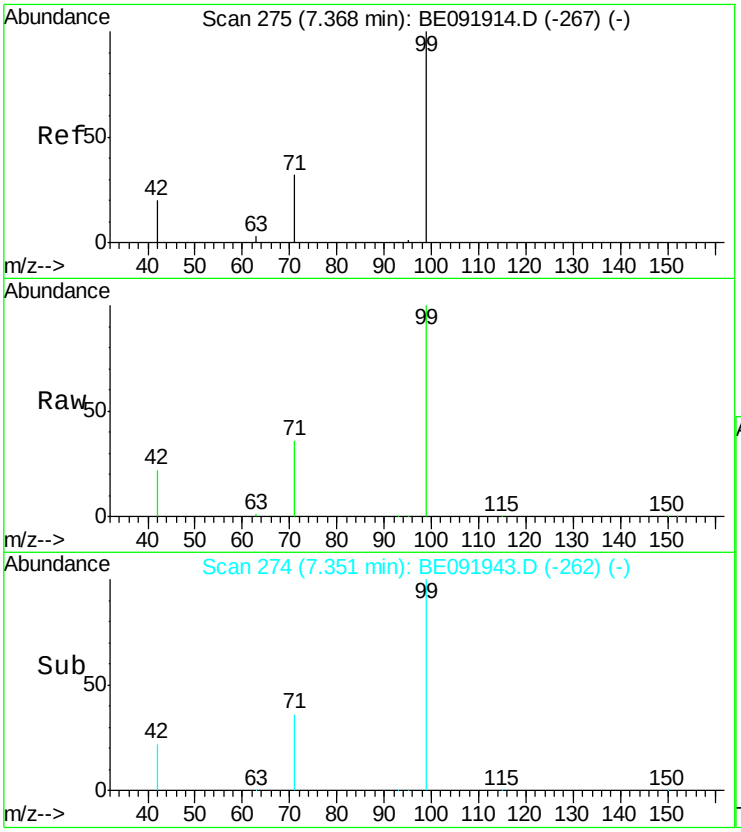




#4
2-Fluorophenol
Concen: 10.26 ng
RT: 5.72 min Scan# 181
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:112 Resp: 58432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.7 | 53.7 | 80.5 |
| 63 | 36.8 | 29.5 | 44.3 |



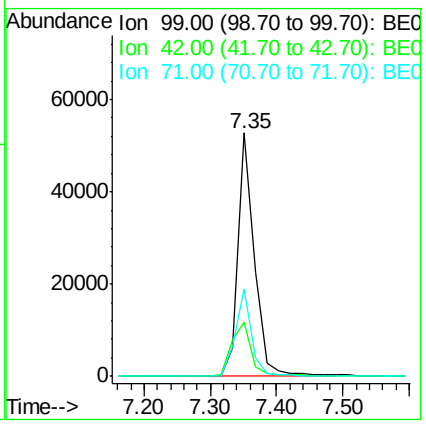


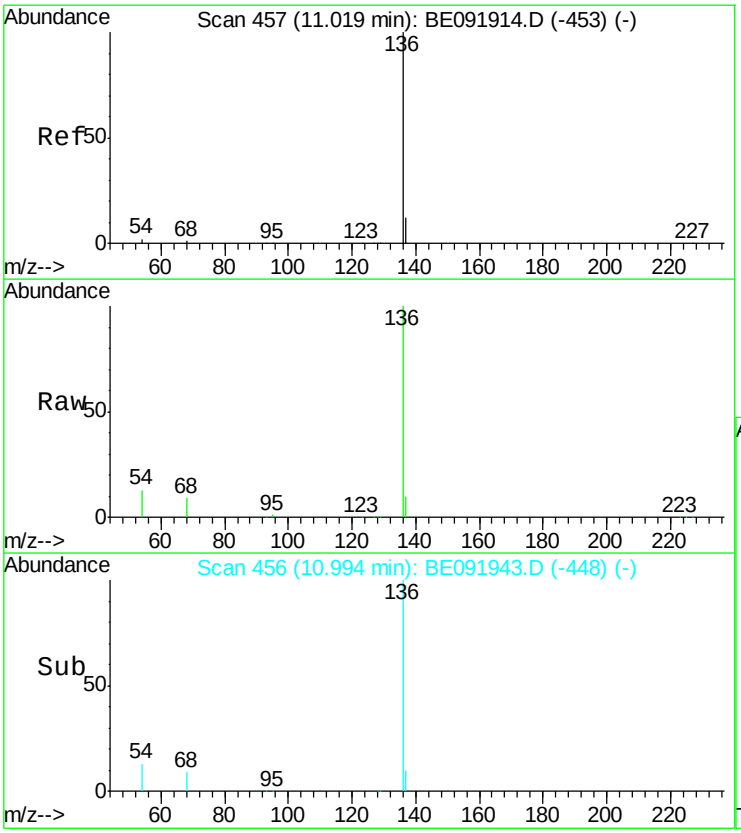

#5
Phenol-d6
Concen: 9.61 ng
RT: 7.35 min Scan# 274
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion: 99 Resp: 90769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.8 | 19.6 | 29.4 |
| 71 | 35.6 | 28.1 | 42.1 |

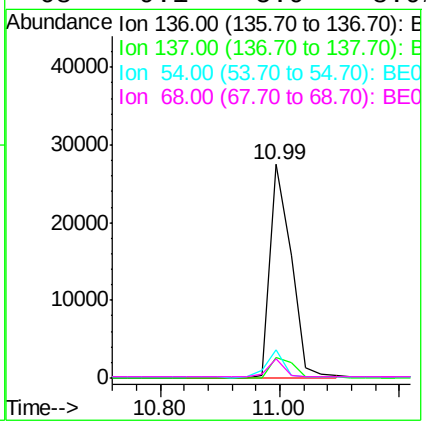


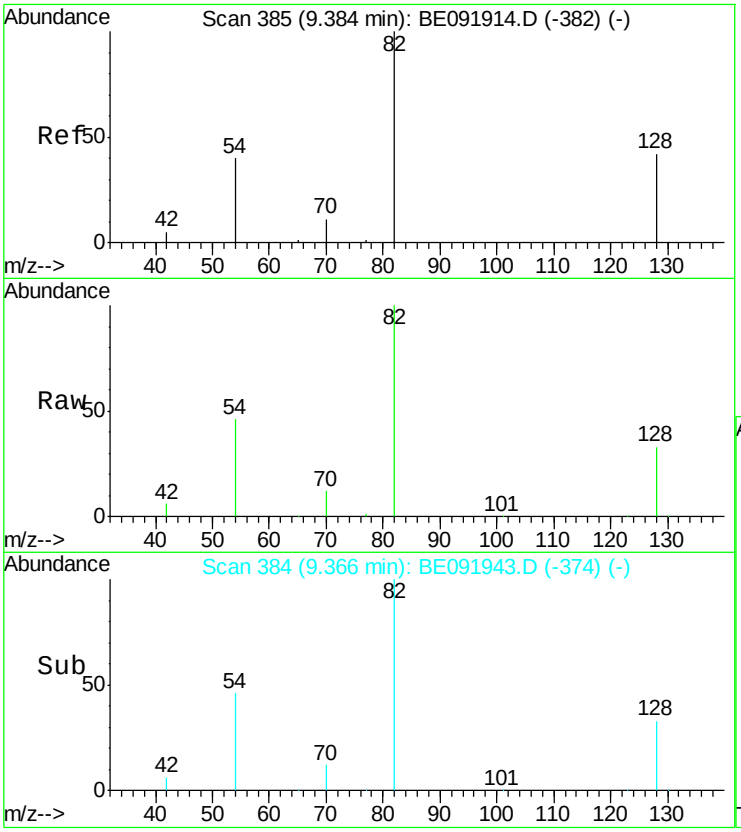




#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 456
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:136 Resp: 68009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.9 | 8.3 | 12.5 |
| 54 | 13.0 | 8.2 | 12.4# |
| 68 | 9.1 | 5.9 | 8.9# |



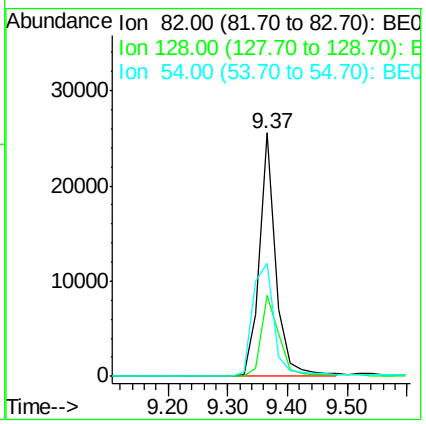


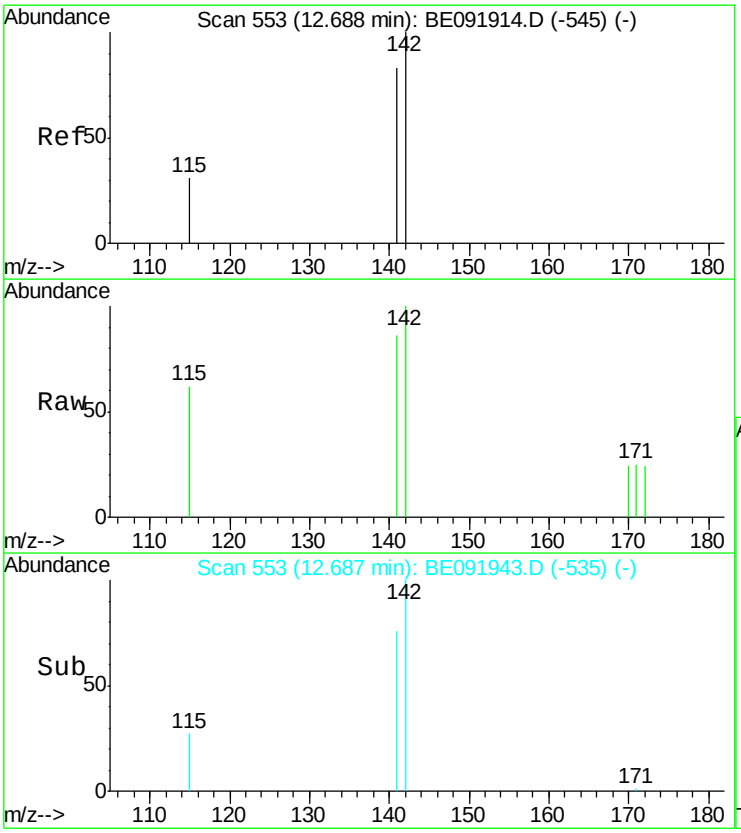

#9
Nitrobenzene-d5
Concen: 5.13 ng
RT: 9.37 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion: 82 Resp: 48186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.1 | 39.5 | 59.3# |
| 54 | 46.5 | 30.3 | 45.5# |

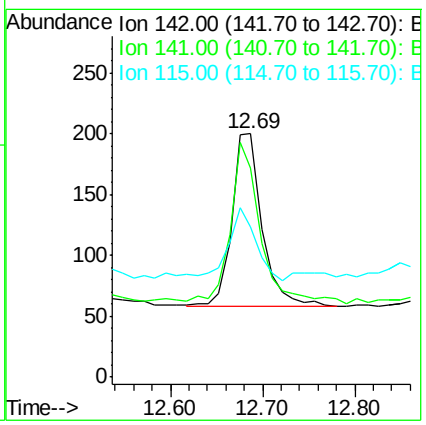


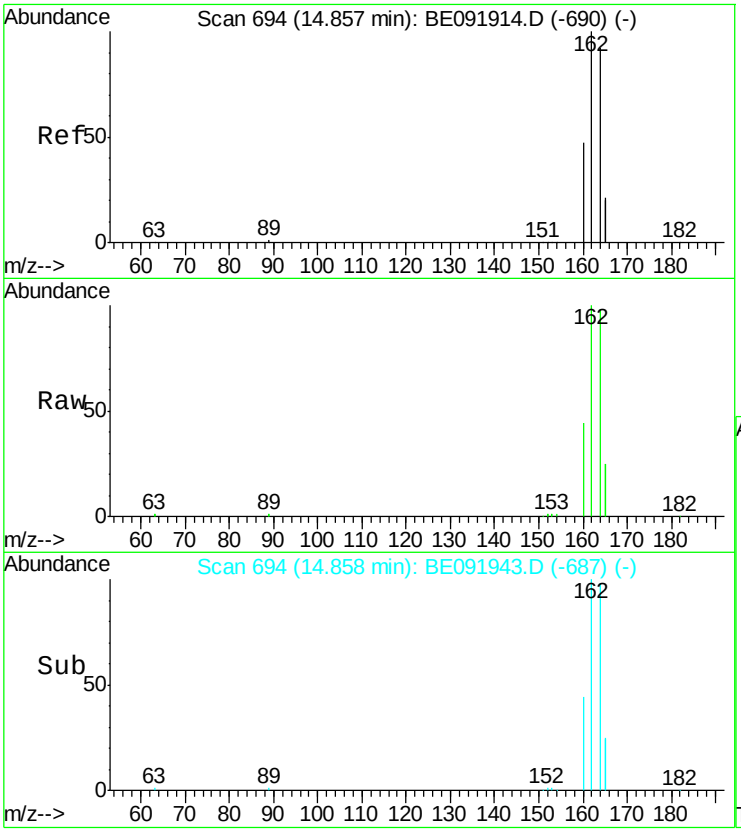




#14
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.01 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:142 Resp: 323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.0 | 71.9 | 107.9 |
| 115 | 61.5 | 29.9 | 44.9# |



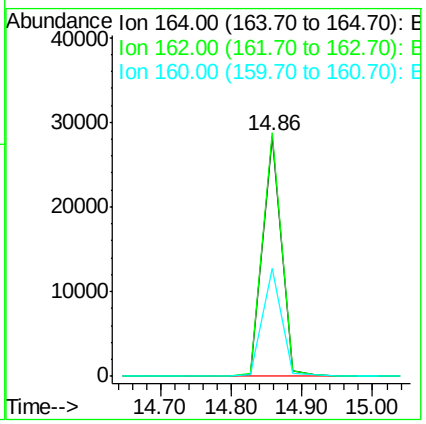


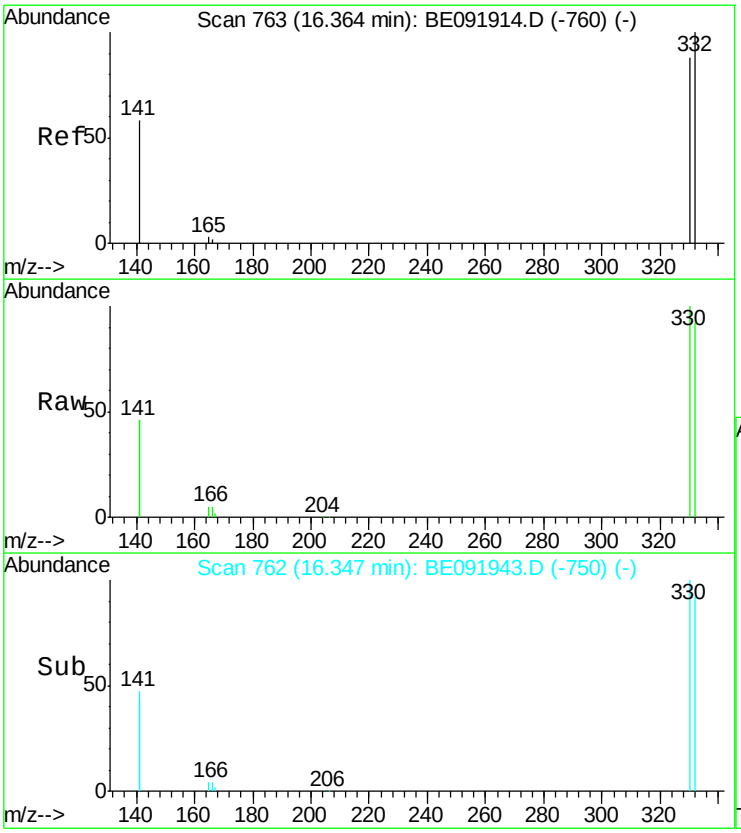

#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:164 Resp: 52595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 71.8 | 107.8 |
| 160 | 44.8 | 28.0 | 42.0# |

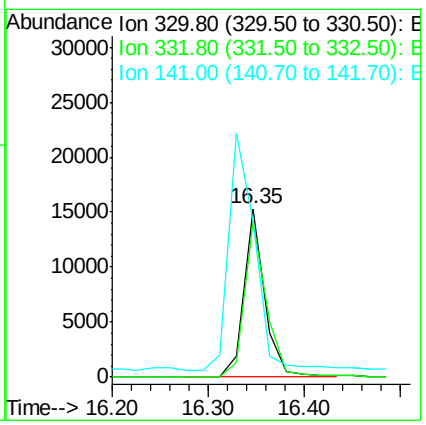


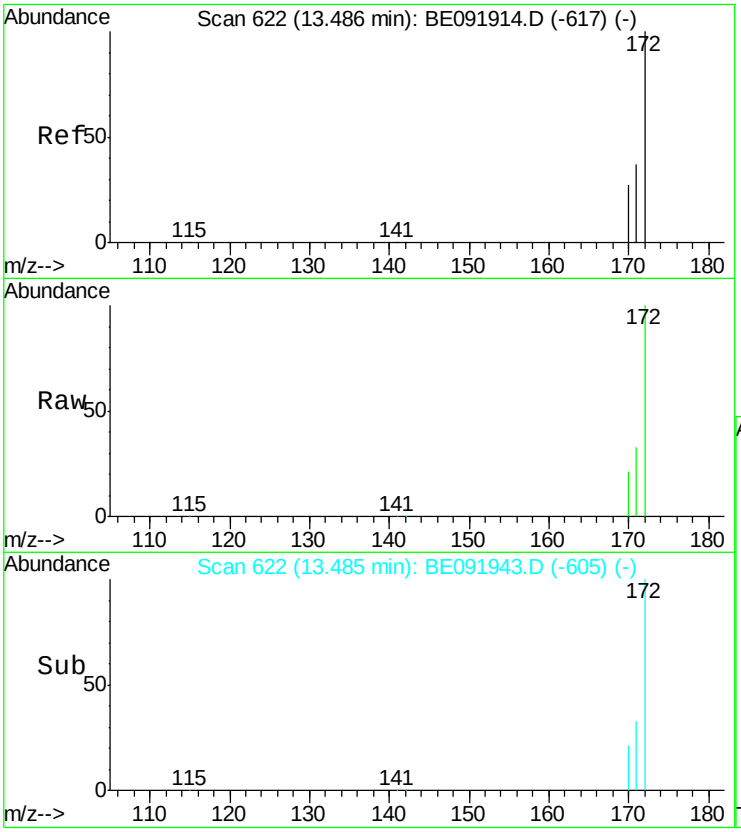




#16
2,4,6-Tribromophenol
Concen: 8.27 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:330 Resp: 22773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.0 | 115.6 |
| 141 | 183.6 | 138.4 | 207.6 |



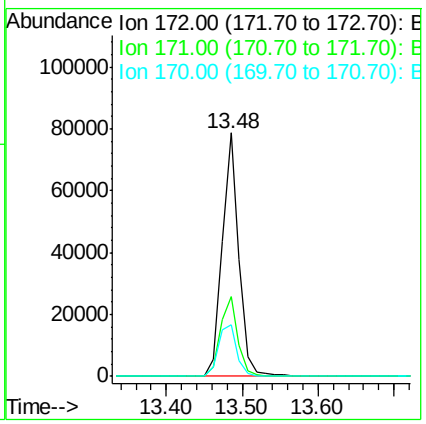


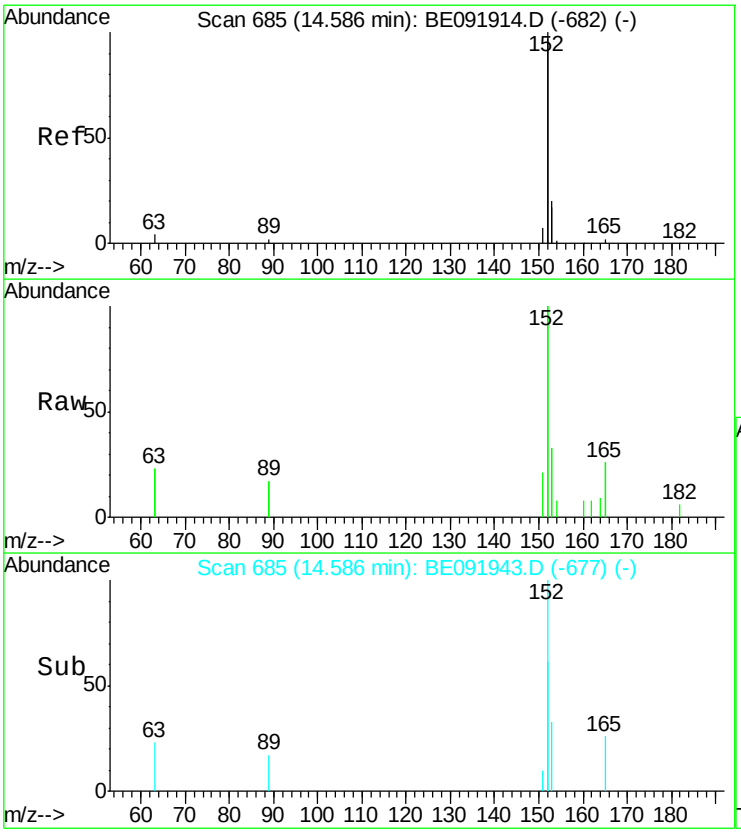

#17
2-Fluorobiphenyl
Concen: 4.57 ng
RT: 13.48 min Scan# 622
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:172 Resp: 122062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 32.8 | 24.3 | 36.5 |
| 170 | 21.0 | 14.9 | 22.3 |

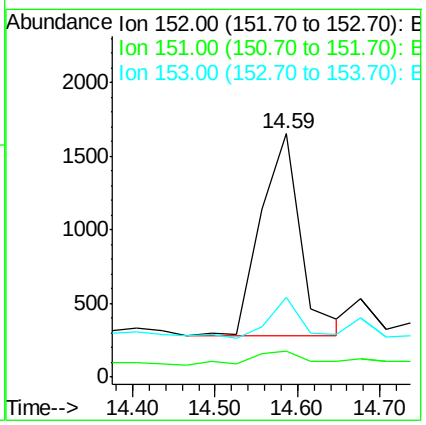


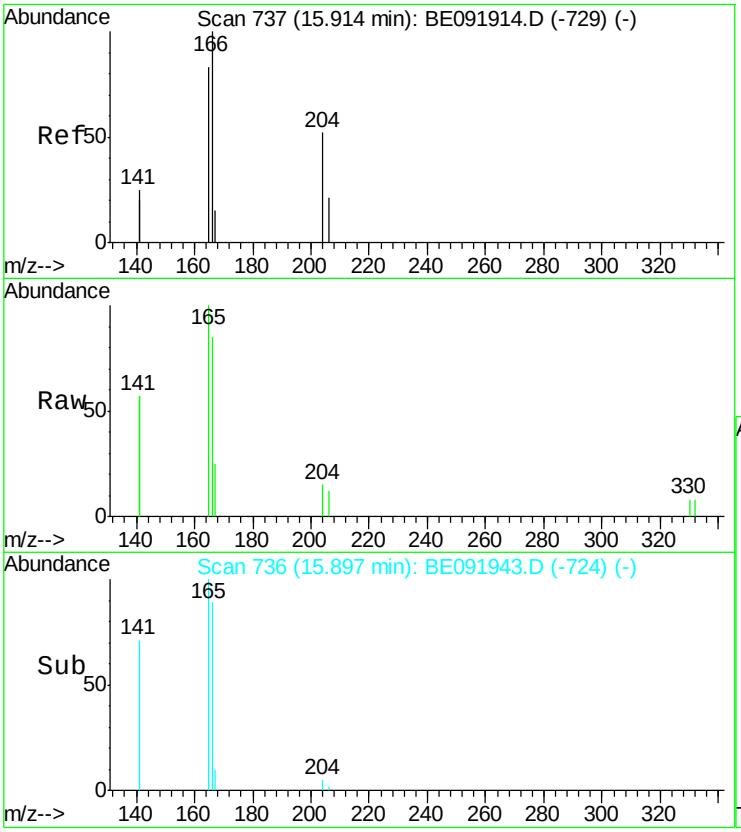




#18
Acenaphthylene
Concen: 0.09 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:152 Resp: 4606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 8.4 | 19.4 | 29.2# |
| 153 | 13.6 | 14.4 | 21.6# |



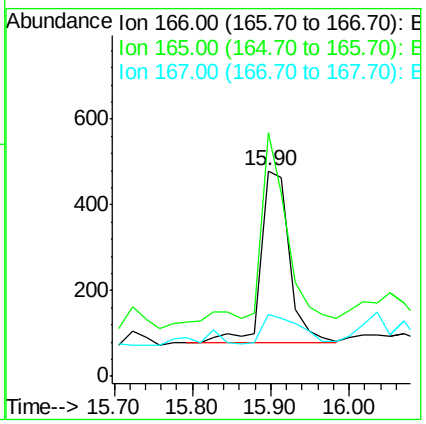


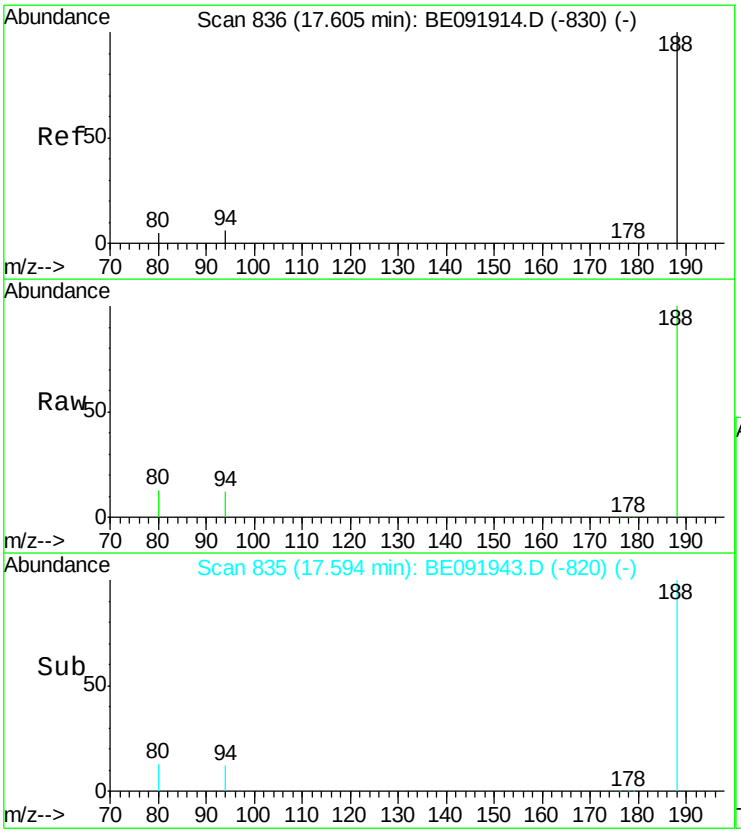

#22
Fluorene
Concen: 0.07 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:166 Resp: 1020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 120.0 | 78.6 | 117.8# |
| 167 | 21.5 | 10.8 | 16.2# |

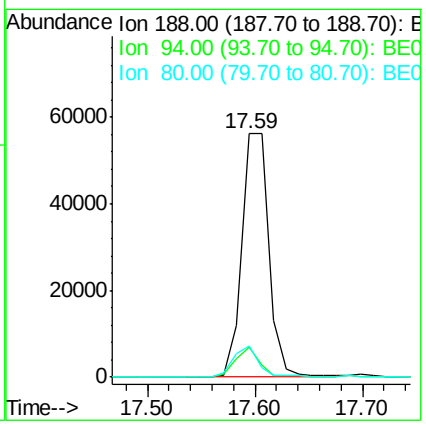


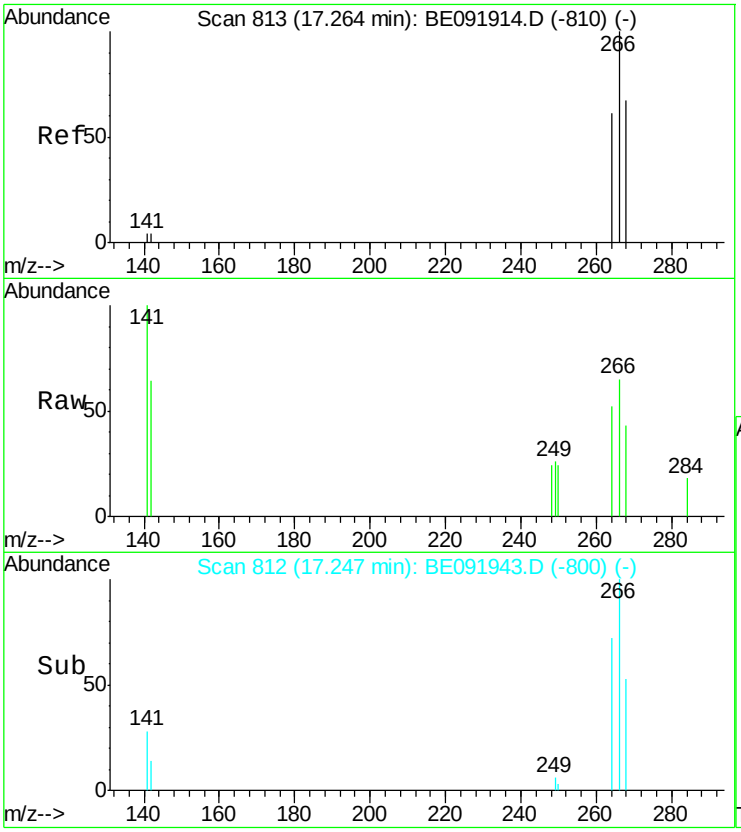




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.01 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:188 Resp: 97658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.3 | 4.1 | 6.1# |
| 80 | 12.7 | 3.4 | 5.2# |



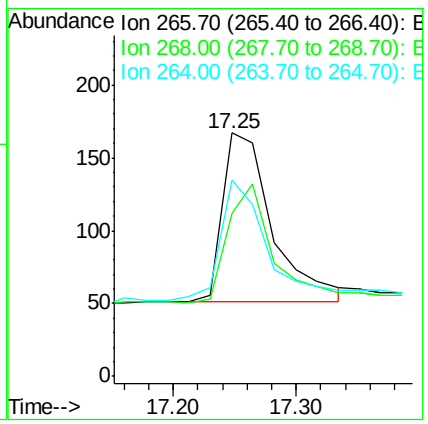


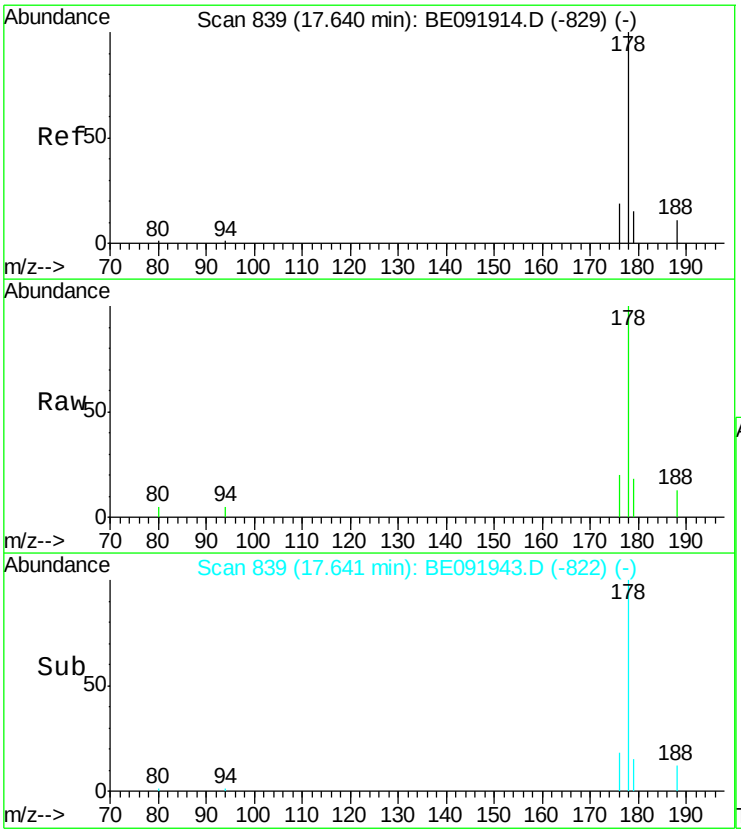

#27
Pentachlorophenol
Concen: 0.39 ng
RT: 17.25 min Scan# 812
Delta R.T. 0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:266 Resp: 329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.1 | 60.5 | 90.7 |
| 264 | 80.8 | 51.0 | 76.4# |

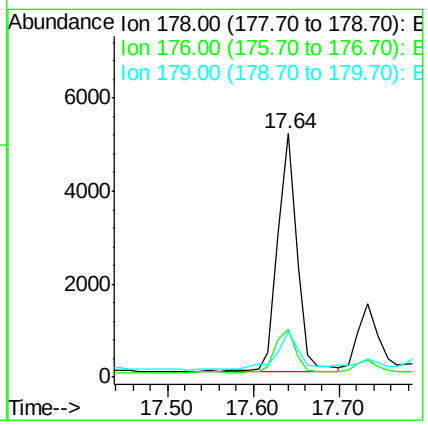


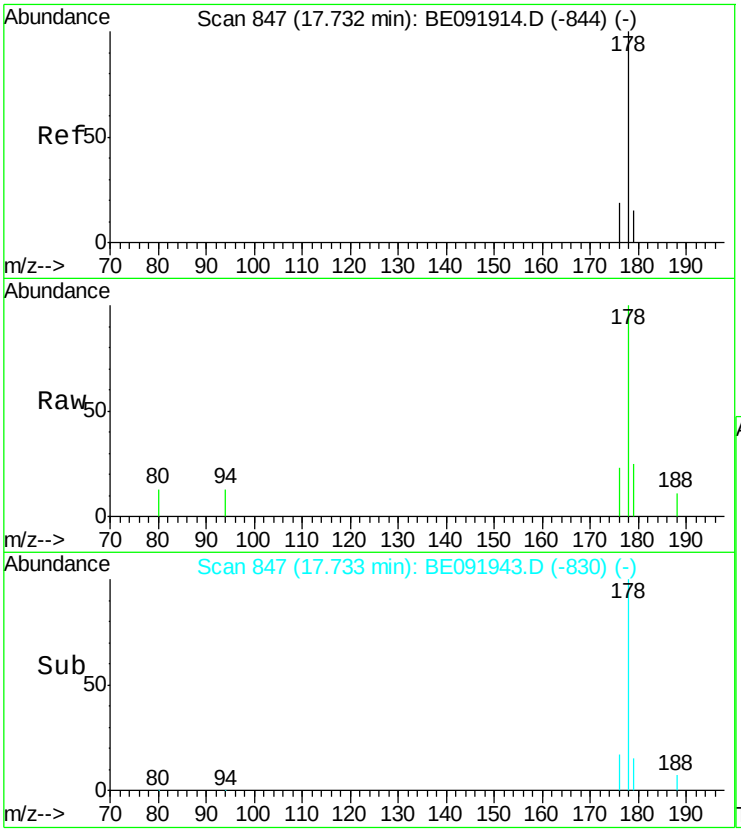




#28
Phenanthrene
Concen: 0.33 ng
RT: 17.64 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:178 Resp: 7995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.2 |
| 179 | 17.7 | 12.9 | 19.3 |



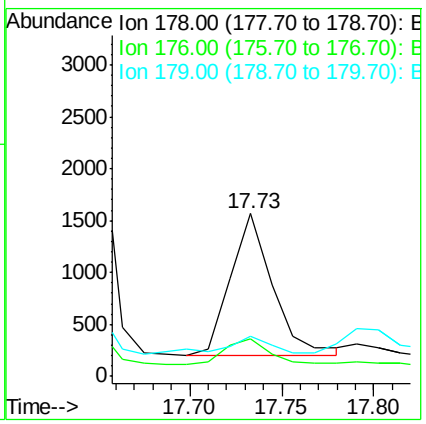


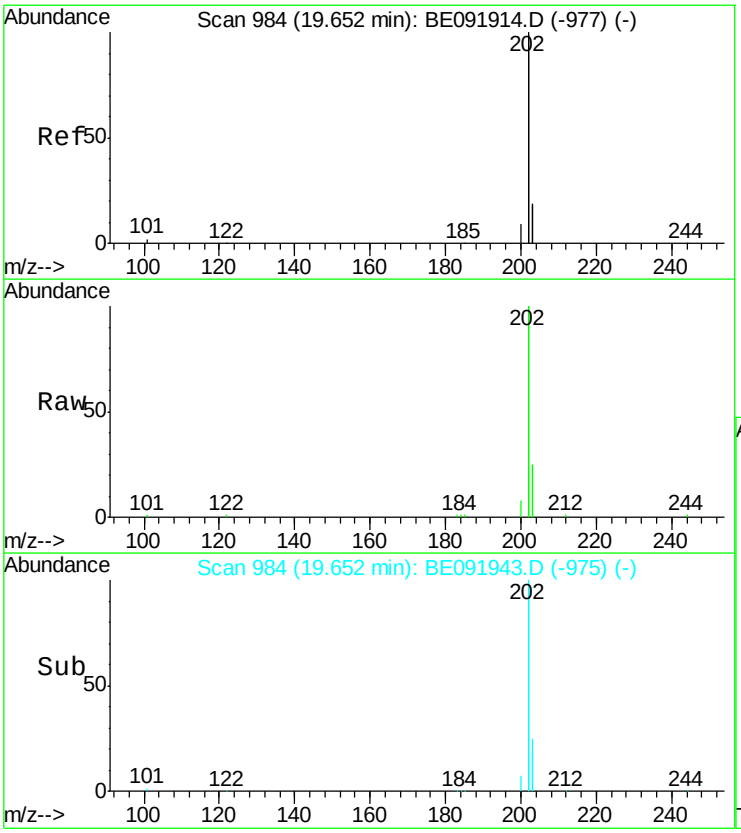

#29
Anthracene
Concen: 0.10 ng
RT: 17.73 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:178 Resp: 2184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.1 | 22.7 |
| 179 | 12.3 | 12.1 | 18.1 |

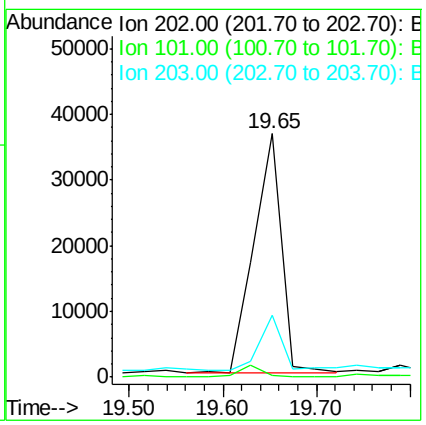


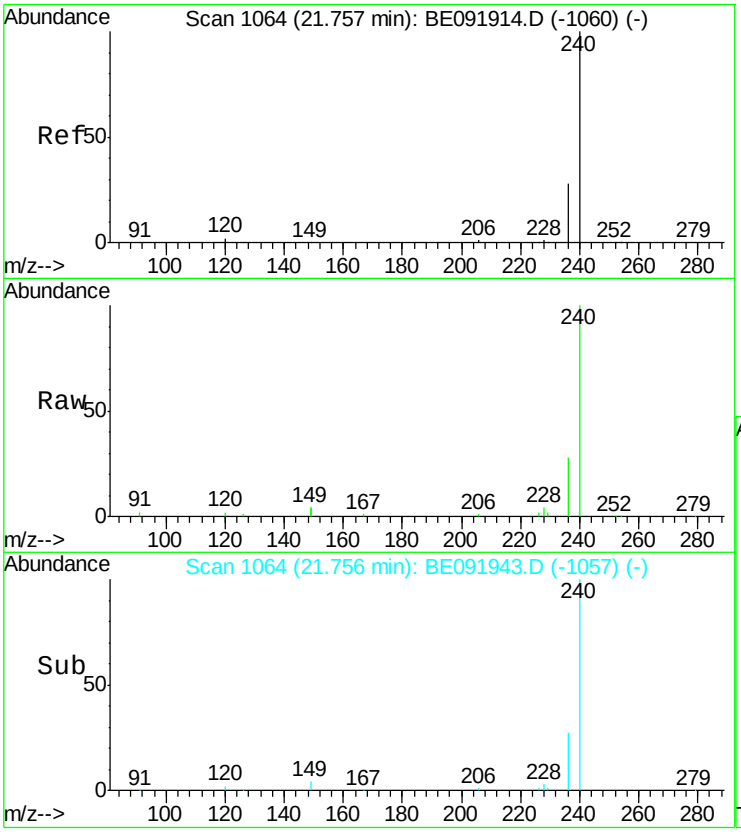




#30
Fluoranthene
Concen: 0.72 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:202 Resp: 75206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 9.4 | 14.0# |
| 203 | 18.9 | 14.3 | 21.5 |



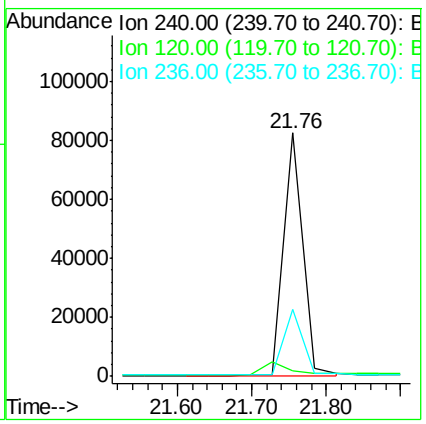


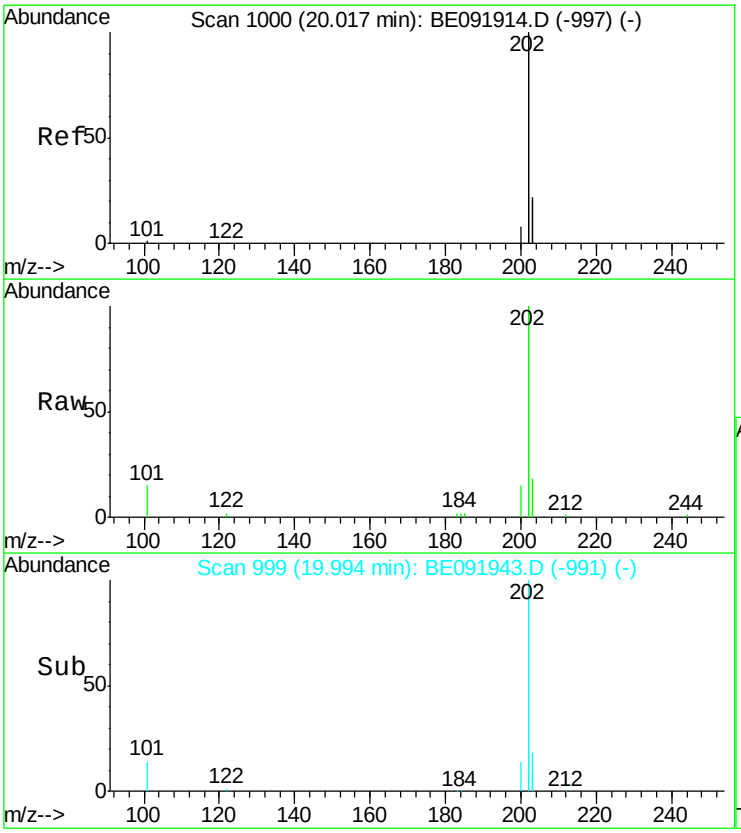

#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:240 Resp: 147213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 2.5 | 1.2 | 1.8# |
| 236 | 27.6 | 19.8 | 29.8 |

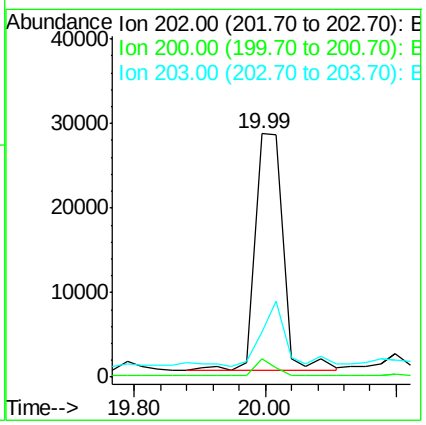


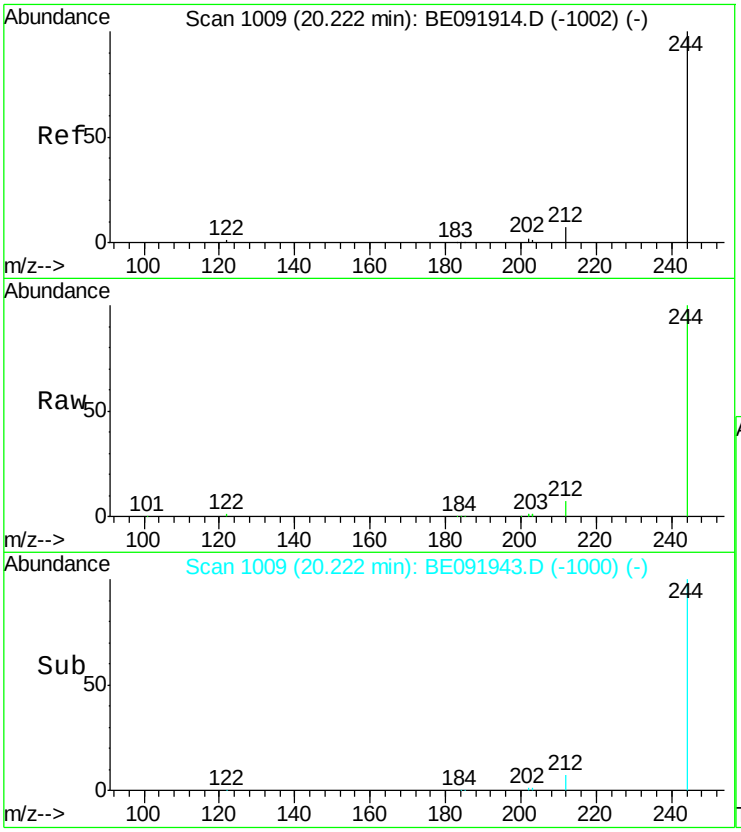




#33
Pyrene
Concen: 0.83 ng
RT: 19.99 min Scan# 999
Delta R.T. -0.02 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:202 Resp: 83046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 5.4 | 16.9 | 25.3# |
| 203 | 0.0 | 14.1 | 21.1# |



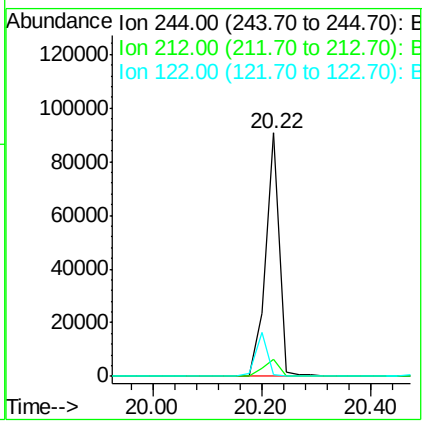


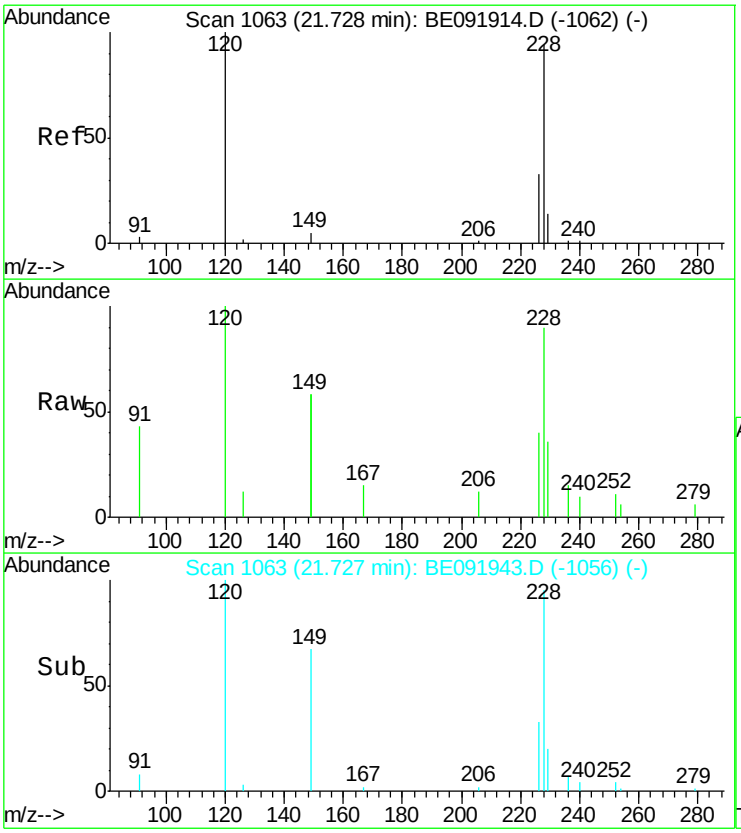

#34
Terphenyl-d14
Concen: 4.43 ng
RT: 20.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:244 Resp: 159630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.5 | 9.7 |
| 122 | 0.7 | 2.9 | 4.3# |

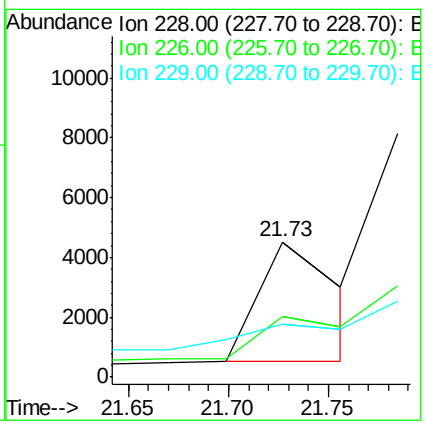


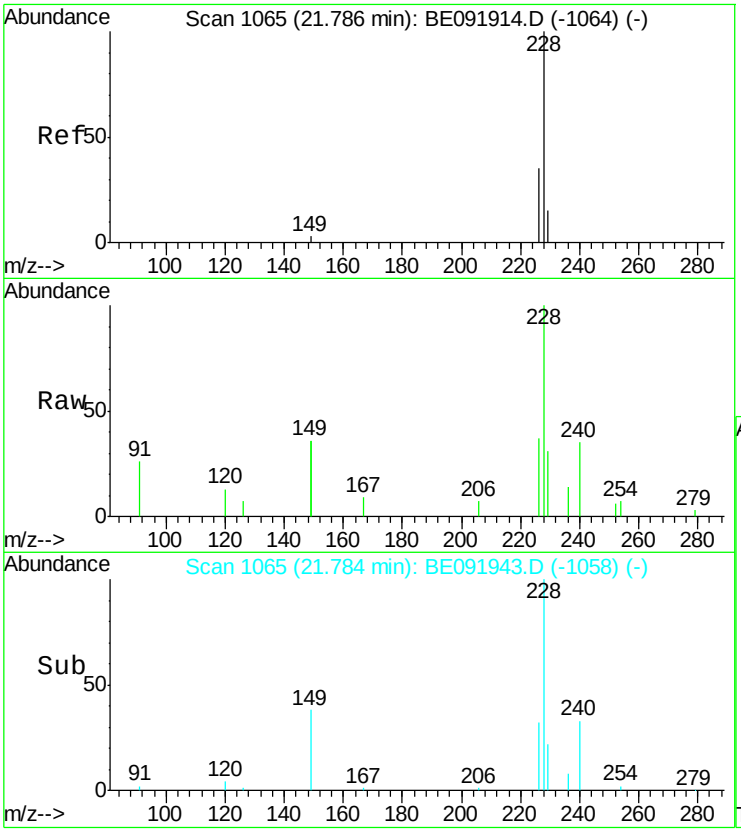




#35
Benzo(a)anthracene
Concen: 0.48 ng m
RT: 21.73 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:228 Resp: 11119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 44.7 | 21.0 | 31.4# |
| 229 | 39.5 | 15.8 | 23.8# |



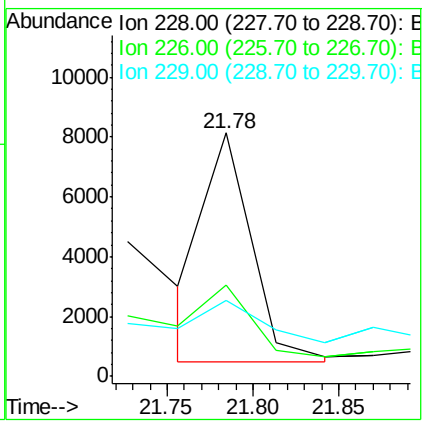


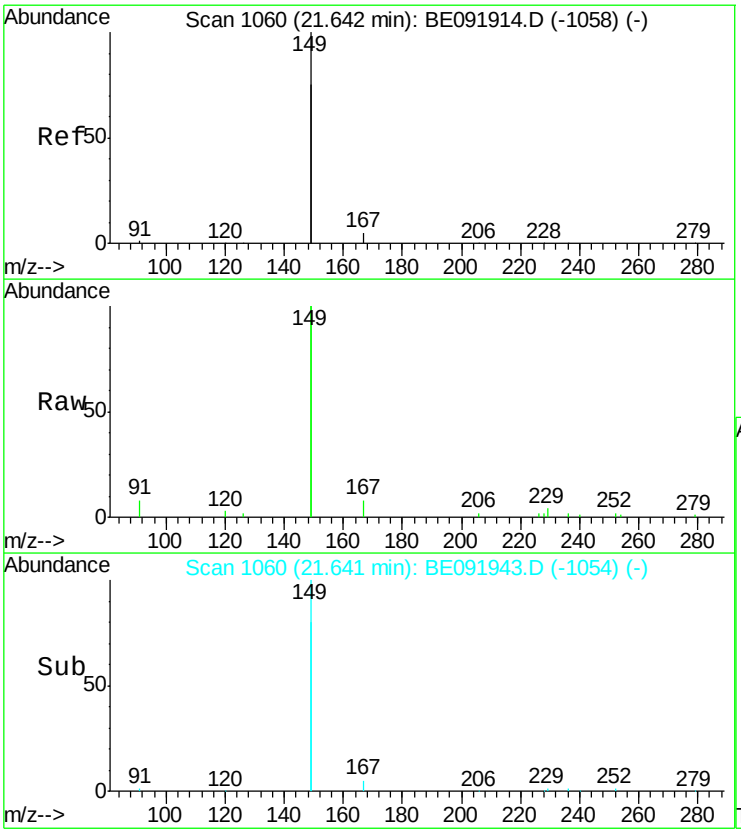

#37
Chrysene
Concen: 0.43 ng m
RT: 21.78 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:228 Resp: 14638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.3 | 27.0 | 40.6 |
| 229 | 31.3 | 13.8 | 20.8# |

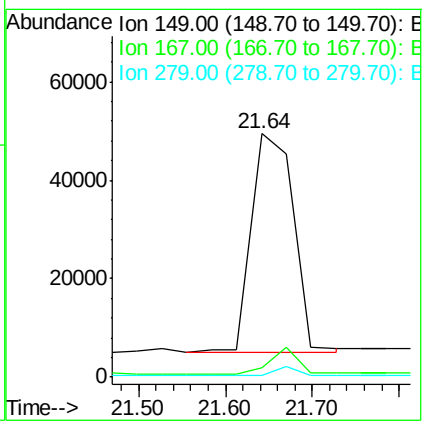


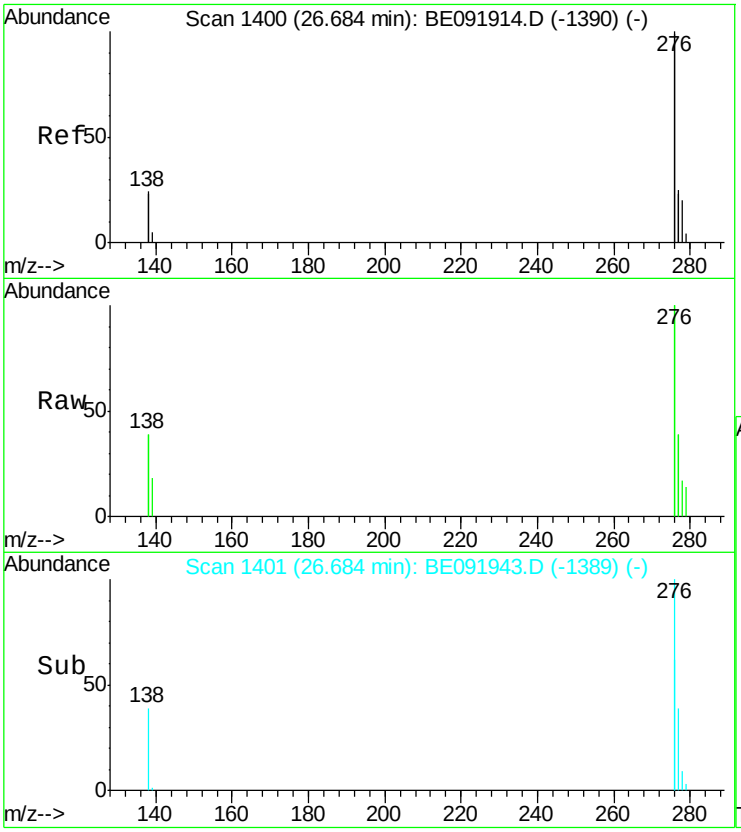




#38
Bis(2-ethylhexyl)phthalate
Concen: 5.76 ng
RT: 21.64 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:149 Resp: 150313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 0.0 | 0.0 |
| 279 | 0.0 | 0.0 | 0.0 |



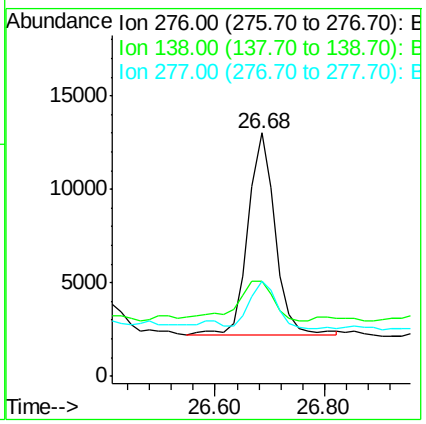


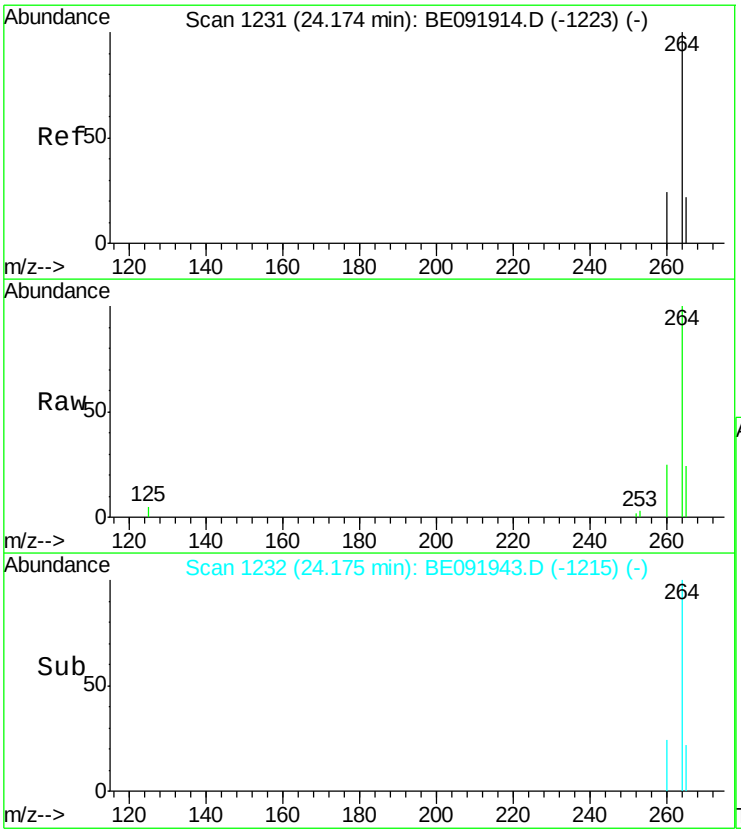

#39
Indeno(1,2,3-cd)pyrene
Concen: 0.32 ng
RT: 26.68 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:276 Resp: 37045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.9 | 19.7 | 29.5 |
| 277 | 23.3 | 20.1 | 30.1 |

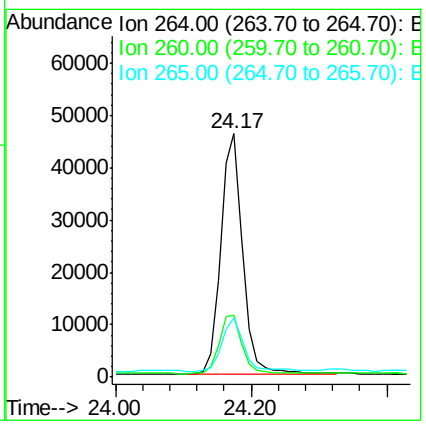


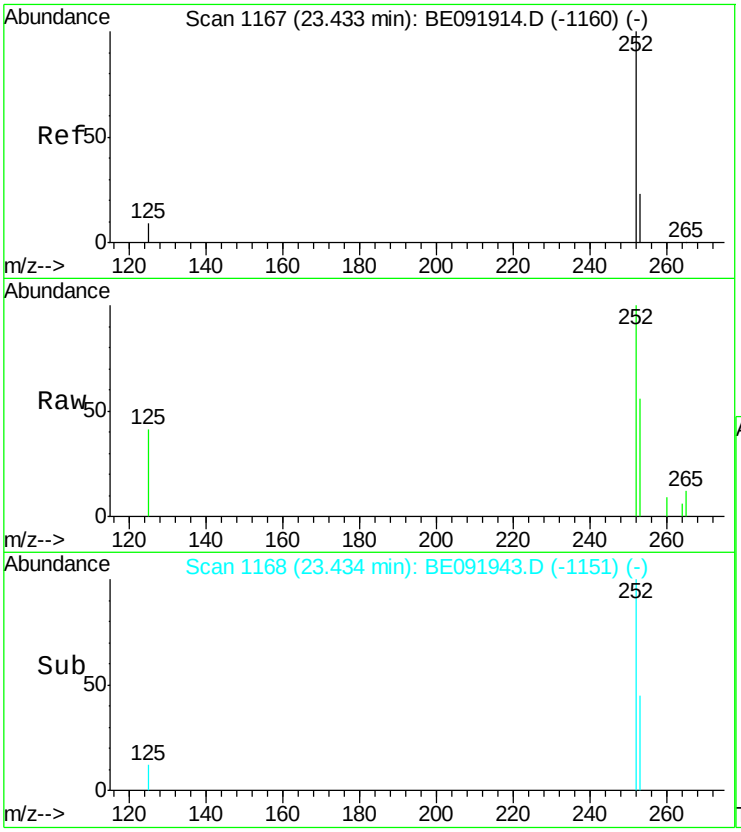




#40
Perylene-d12
Concen: 5.00 ng
RT: 24.17 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:264 Resp: 105253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 20.3 | 30.5 |
| 265 | 24.2 | 17.6 | 26.4 |



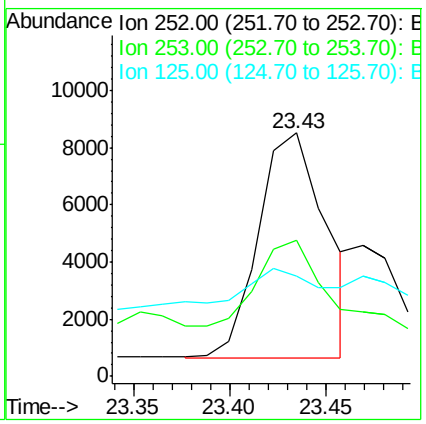


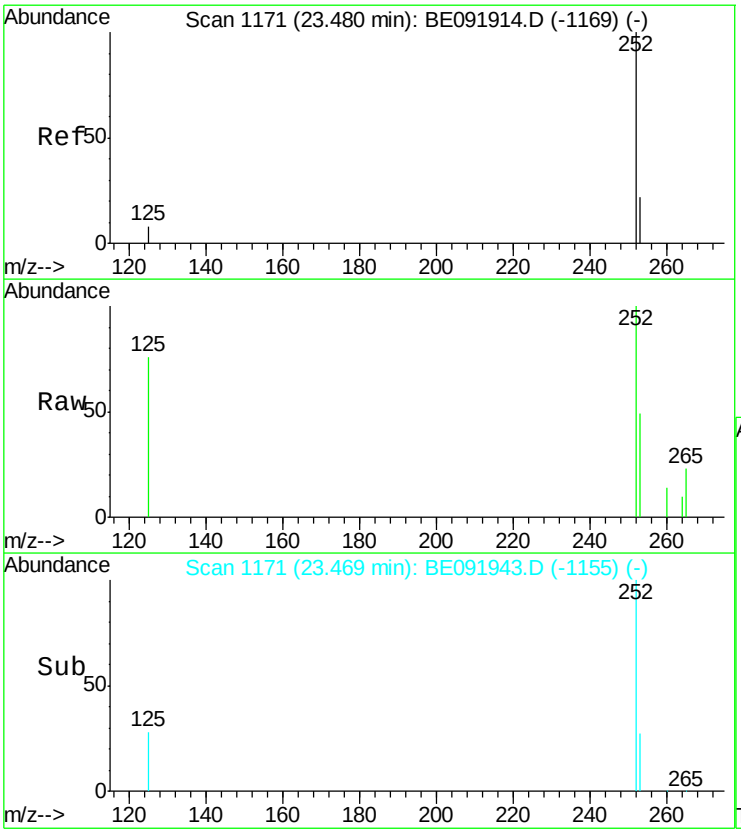

#41
Benzo(b)fluoranthene
Concen: 0.71 ng m
RT: 23.43 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:252 Resp: 19234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 55.7 | 17.8 | 26.6# |
| 125 | 41.1 | 9.4 | 14.2# |

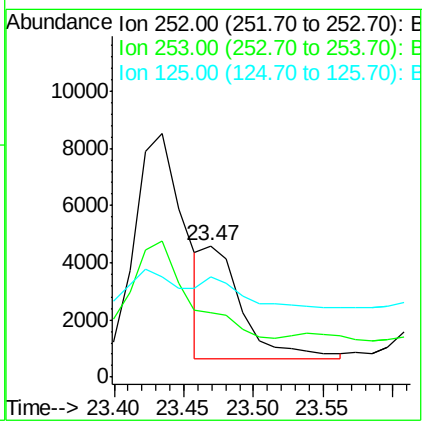


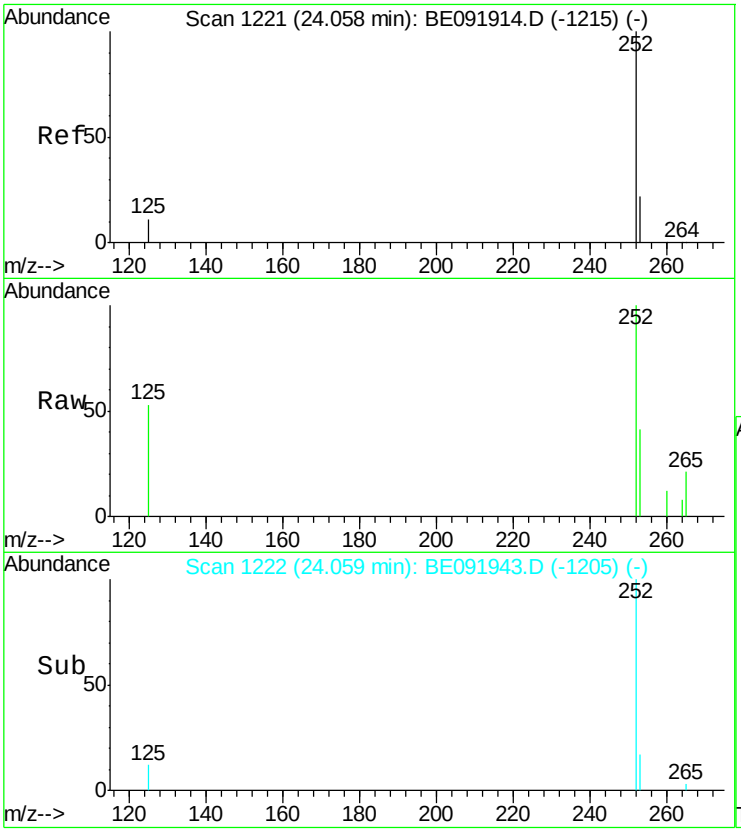




#42
Benzo(k)fluoranthene
Concen: 0.31 ng m
RT: 23.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:252 Resp: 7674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 49.0 | 19.4 | 29.2# |
| 125 | 75.9 | 8.3 | 12.5# |



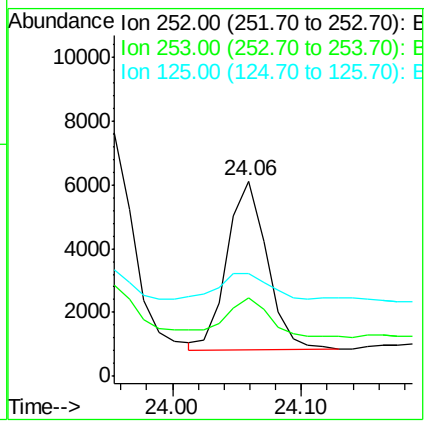


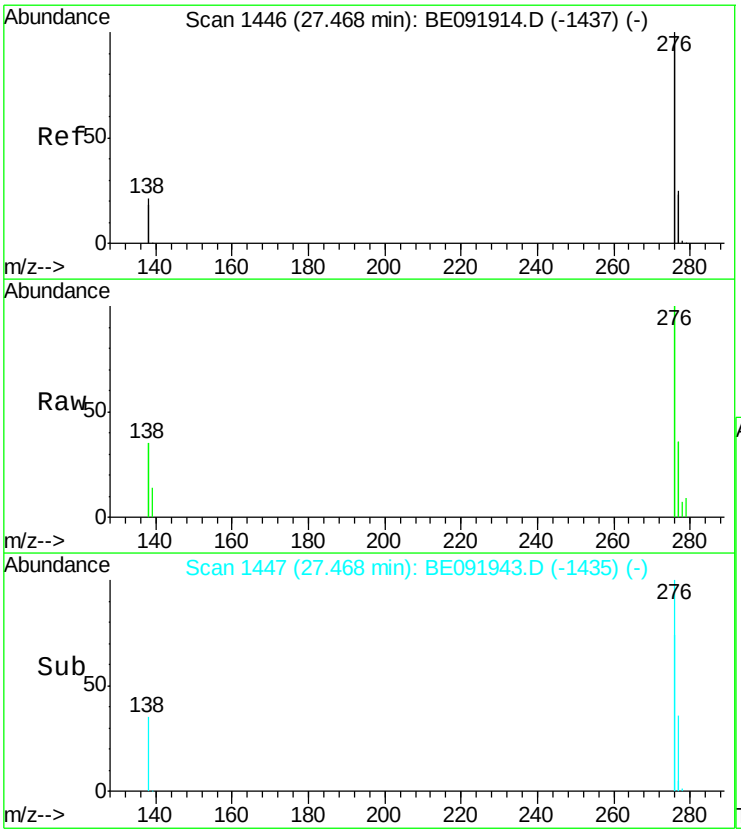

#43
Benzo(a)pyrene
Concen: 0.48 ng
RT: 24.06 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

**Instrument :**
BNA_E
**ClientSampleId :**
NCHC-010

Tgt Ion:252 Resp: 11381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 40.5 | 18.9 | 28.3# |
| 125 | 53.0 | 10.5 | 15.7# |




#45
Benzo(g,h,i)perylene
Concen: 0.54 ng
RT: 27.47 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BE091943.D
Acq: 24 Jun 2016 12:58

Tgt Ion:276 Resp: 51415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 36.1 | 19.5 | 29.3# |
| 138 | 35.4 | 17.7 | 26.5# |