Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061616\
Data File : BE091937.D
Acq On : 16 Jun 2016 13:48
Operator : UM/SJ
Sample : H3559-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OM-SPN-001-160531MSD

Quant Time: Jun 16 17:34:53 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 | 30815 | 5.00 | ng | | 0.00 |
| 8) Naphthalene-d8 | 10.99 | 136 | 139844 | 5.00 | ng | | 0.00 |
| 15) Acenaphthene-d10 | 14.86 | 164 | 114433 | 5.00 | ng | | 0.00 |
| 24) Phenanthrene-d10 | 17.59 | 188 | 226361 | 5.00 | ng | | -0.01 |
| 31) Chrysene-d12 | 21.76 | 240 | 372634 | 5.00 | ng | | 0.00 |
| 40) Perylene-d12 | 24.16 | 264 | 271205 | 5.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.72 | 112 | 42409 | 7.04 | ng | | 0.00 |
| 5) Phenol-d6 | 7.37 | 99 | 62742 | 6.37 | ng | | 0.02 |
| 9) Nitrobenzene-d5 | 9.37 | 82 | 36657 | 3.80 | ng | | 0.00 |
| 16) 2,4,6-Tribromophenol | 16.35 | 330 | 21738 | 7.31 | ng | | 0.00 |
| 17) 2-Fluorobiphenyl | 13.48 | 172 | 90860 | 3.13 | ng | | 0.00 |
| 34) Terphenyl-d14 | 20.22 | 244 | 146264 | 3.21 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 11083 | 2.55 | ng | | 98 |
| 3) n-Nitrosodimethylamine | 3.82 | 42 | 17345 | 3.51 | ng | | 96 |
| 6) bis(2-Chloroethyl)ether | 7.61 | 93 | 31599 | 3.58 | ng | | 98 |
| 7) n-Nitroso-di-n-propylamine | 9.00 | 70 | 27928 | 3.34 | ng | # | 98 |
| 10) Nitrobenzene | 9.40 | 77 | 38237 | 3.50 | ng | # | 99 |
| 11) bis(2-Chloroethoxy)methane | 10.42 | 93 | 42468 | 3.47 | ng | # | 19 |
| 12) Naphthalene | 11.04 | 128 | 105561 | 3.46 | ng | # | 94 |
| 13) Hexachlorobutadiene | 11.34 | 225 | 16660 | 3.37 | ng | | 99 |
| 14) 2-Methylnaphthalene | 12.68 | 142 | 78424 | 3.79 | ng | | 97 |
| 18) Acenaphthylene | 14.56 | 152 | 417476 | 3.59 | ng | # | 61 |
| 19) 2,6-Dinitrotoluene | 14.44 | 165 | 84491 | 3.40 | ng | # | 37 |
| 20) Acenaphthene | 14.92 | 154 | 106123 | 3.32 | ng | # | 1 |
| 21) 2,4-Dinitrotoluene | 15.22 | 165 | 97357 | 4.27 | ng | # | 72 |
| 22) Fluorene | 15.90 | 166 | 110199 | 3.46 | ng | | 99 |
| 23) 4-Chlorophenyl-phenylether | 15.90 | 204 | 51466 | 3.28 | ng | | 97 |
| 25) 4-Bromophenyl-phenylether | 16.78 | 248 | 32070 | 3.66 | ng | | 99 |
| 26) Hexachlorobenzene | 16.90 | 284 | 31448 | 3.50 | ng | | 98 |
| 27) Pentachlorophenol | 17.25 | 266 | 31799 | 6.62 | ng | # | 88 |
| 28) Phenanthrene | 17.64 | 178 | 197157 | 3.48 | ng | | 99 |
| 29) Anthracene | 17.73 | 178 | 189513 | 3.78 | ng | | 100 |
| 30) Fluoranthene | 19.65 | 202 | 881149 | 3.64 | ng | # | 87 |
| 32) Benzidine | 19.86 | 184 | 944 | 0.16 | ng | # | 8 |
| 33) Pyrene | 19.99 | 202 | 911158 | 3.59 | ng | # | 64 |
| 35) Benzo(a)anthracene | 21.73 | 228 | 272264 | 4.65 | ng | # | 90 |
| 36) 3,3'-Dichlorobenzidine | 21.67 | 252 | 41646 | 4.39 | ng | # | 64 |
| 37) Chrysene | 21.73 | 228 | 272307 | 3.18 | ng | | 97 |
| 38) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 308613 | 5.06 | ng | # | 100 |
| 39) Indeno(1,2,3-cd)pyrene | 26.68 | 276 | 1071832 | 3.66 | ng | | 98 |
| 41) Benzo(b)fluoranthene | 23.42 | 252 | 253475 | 3.64 | ng | | 98 |
| 42) Benzo(k)fluoranthene | 23.47 | 252 | 254002 | 3.99 | ng | | 96 |
| 43) Benzo(a)pyrene | 24.06 | 252 | 238808 | 3.93 | ng | # | 97 |
| 44) Dibenzo(a,h)anthracene | 26.70 | 278 | 222941 | 3.77 | ng | | 98 |
| 45) Benzo(g,h,i)perylene | 27.45 | 276 | 910830 | 3.73 | ng | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061616\
Data File : BE091937.D
Acq On : 16 Jun 2016 13:48
Operator : UM/SJ
Sample : H3559-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Quant Time: Jun 16 17:34:53 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) |
|---|---|---|---|---|---|---|

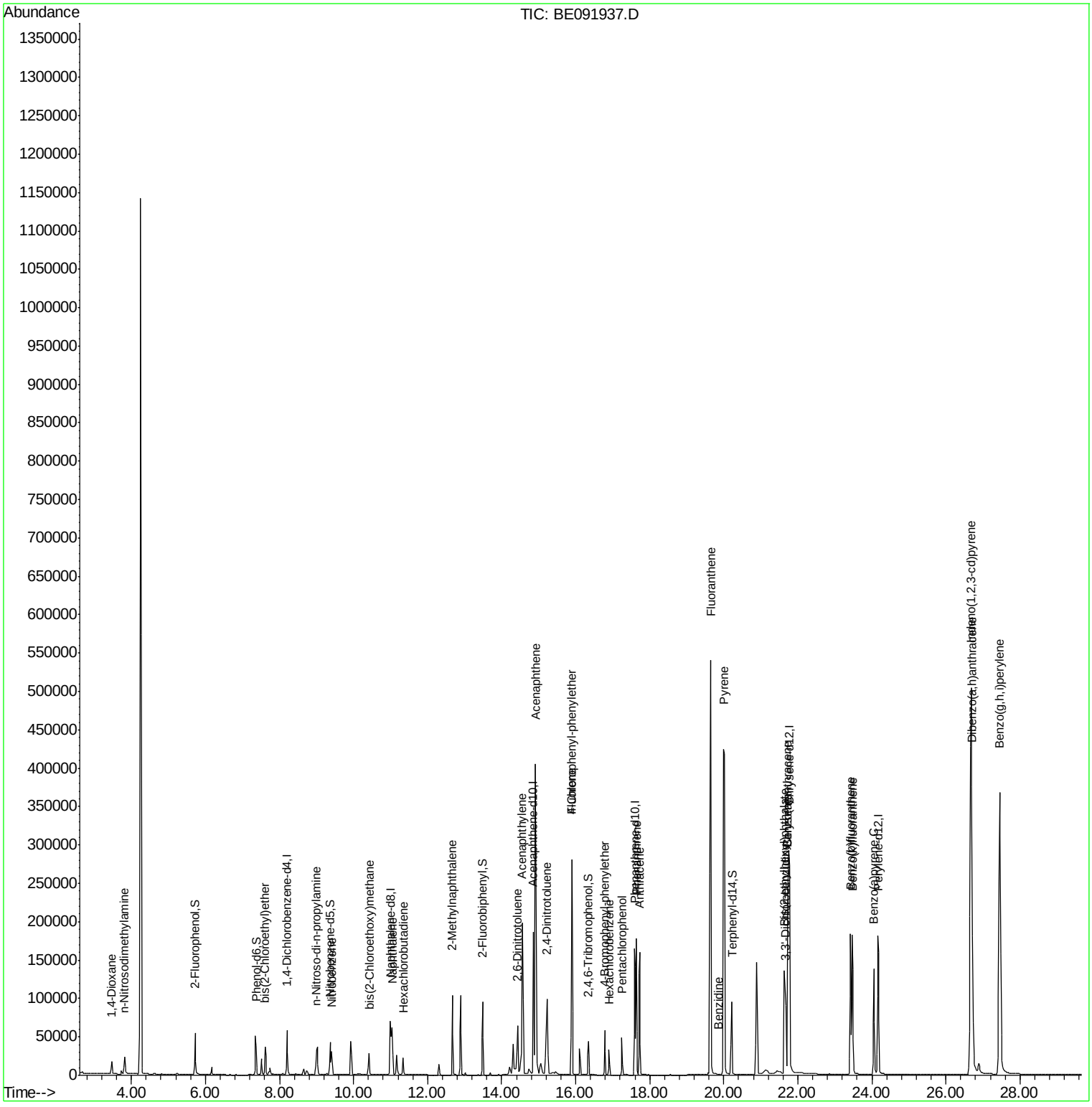
(#) = qualifier out of range (m) = manual integration (+) = signals summed

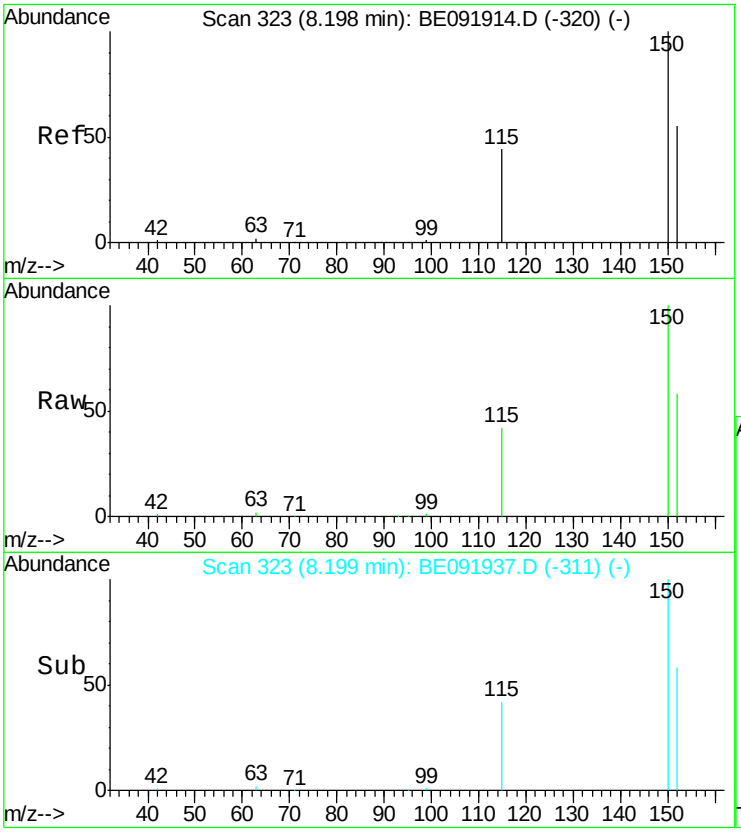
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061616\
Data File : BE091937.D
Acq On : 16 Jun 2016 13:48
Operator : UM/SJ
Sample : H3559-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Quant Time: Jun 16 17:34:53 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



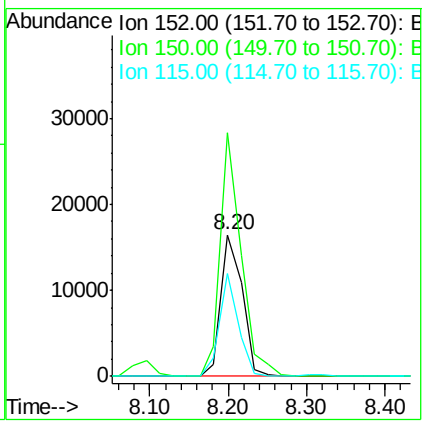


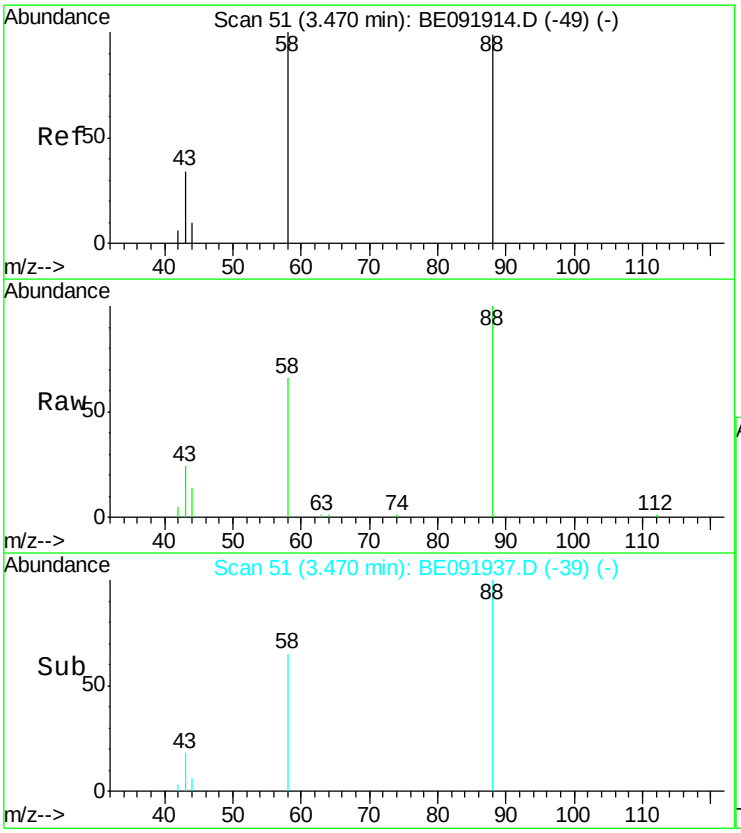

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:152 Resp: 30815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 172.4 | 123.9 | 185.9 |
| 115 | 73.0 | 48.3 | 72.5# |

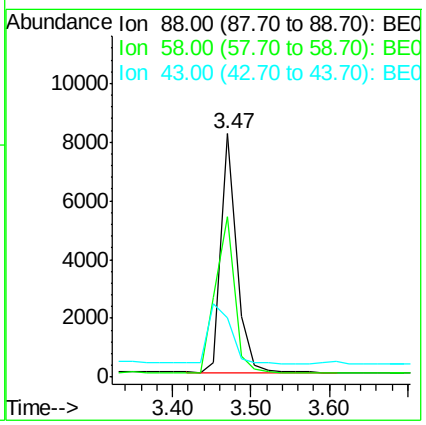


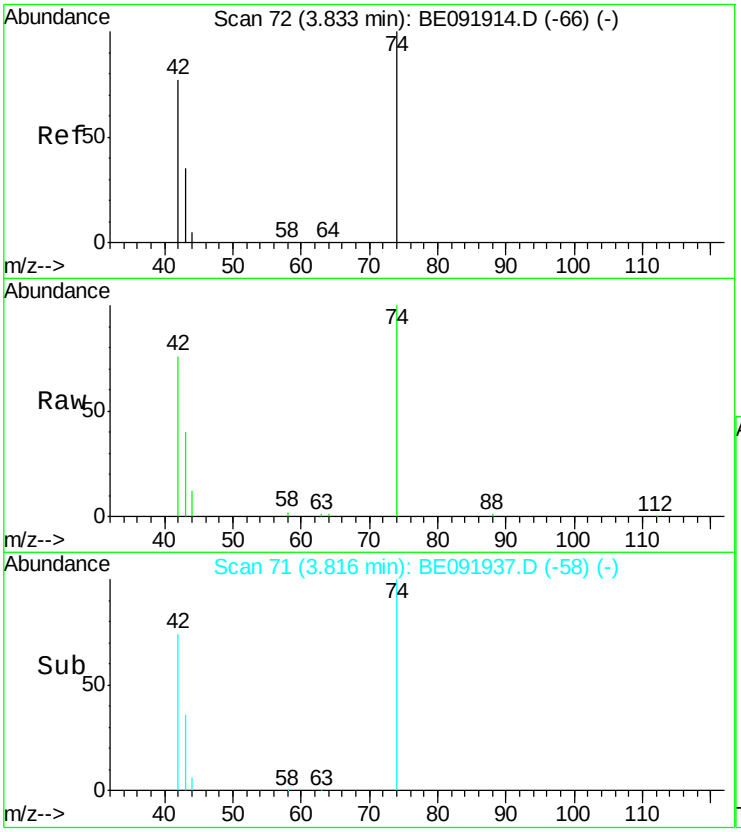

#2
1,4-Dioxane
Concen: 2.55 ng
RT: 3.47 min Scan# 51
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion: 88 Resp: 11083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 81.1 | 63.0 | 94.4 |
| 43 | 36.5 | 29.1 | 43.7 |



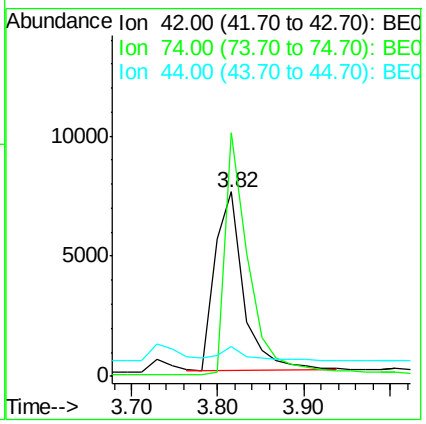
**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

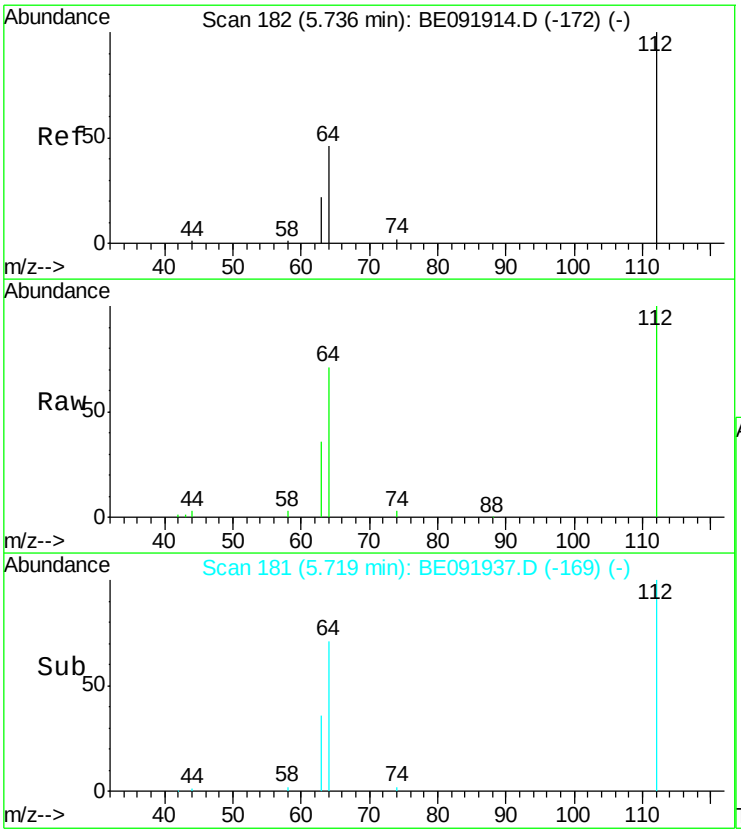



#3
n-Nitrosodimethylamine
Concen: 3.51 ng
RT: 3.82 min Scan# 71
Delta R.T. 0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion: 42 Resp: 17345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 111.6 | 93.4 | 140.0 |
| 44 | 6.9 | 5.0 | 7.6 |

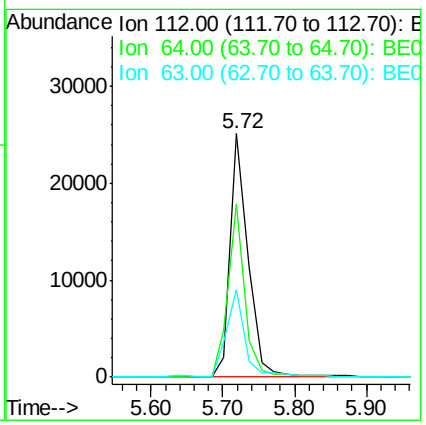


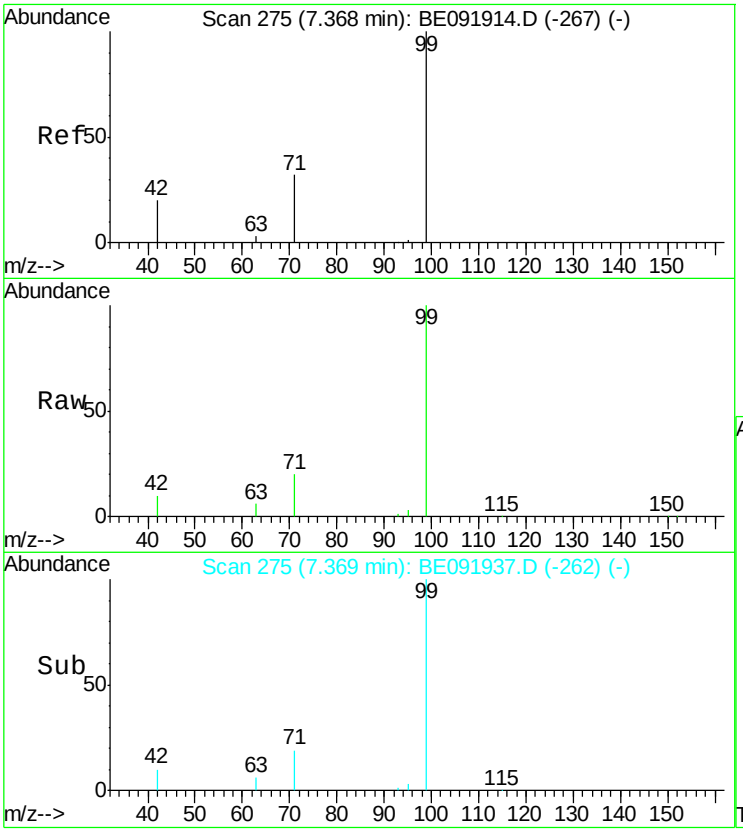




#4
2-Fluorophenol
Concen: 7.04 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:112 Resp: 42409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.5 | 53.7 | 80.5 |
| 63 | 37.0 | 29.5 | 44.3 |



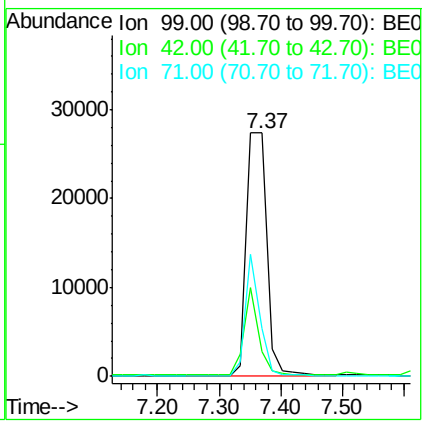


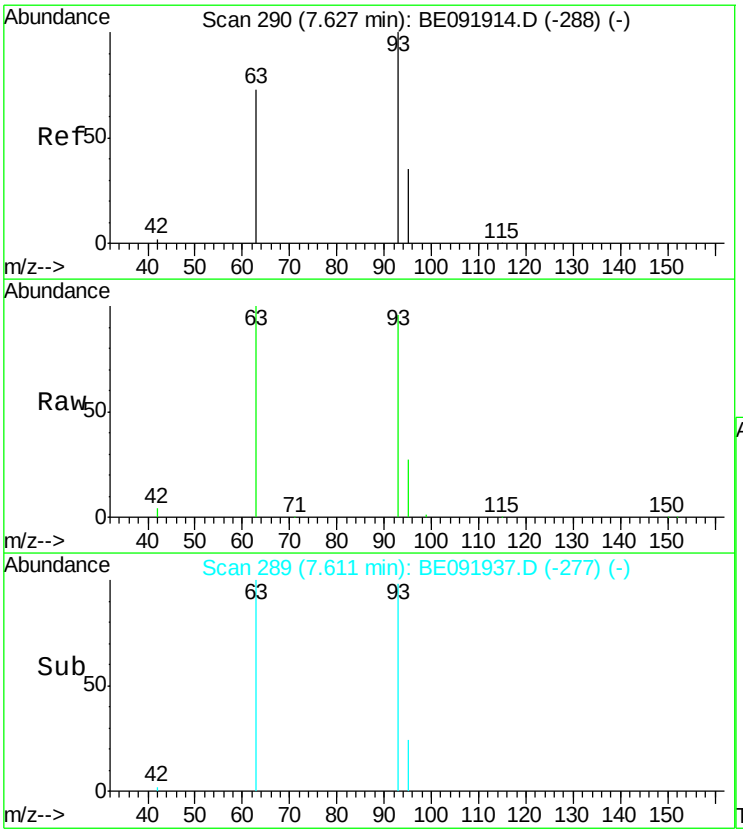

#5
Phenol-d6
Concen: 6.37 ng
RT: 7.37 min Scan# 275
Delta R.T. 0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion: 99 Resp: 62742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.9 | 19.6 | 29.4 |
| 71 | 35.8 | 28.1 | 42.1 |

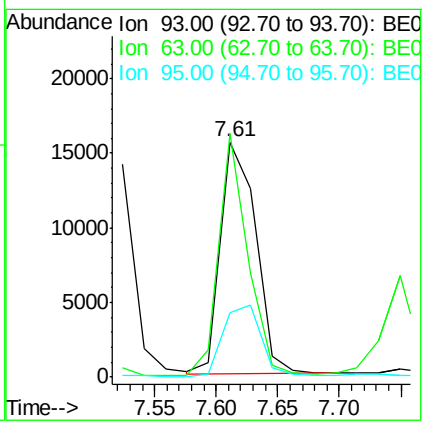


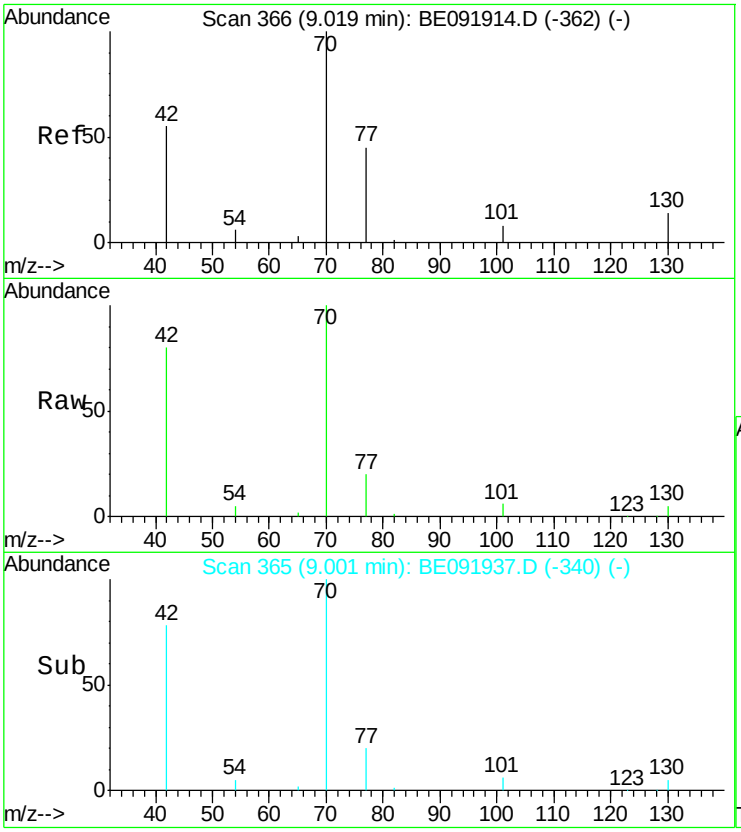




#6
bis(2-Chloroethyl)ether
Concen: 3.58 ng
RT: 7.61 min Scan# 289
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion: 93 Resp: 31599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.6 | 66.2 | 99.4 |
| 95 | 32.6 | 25.5 | 38.3 |



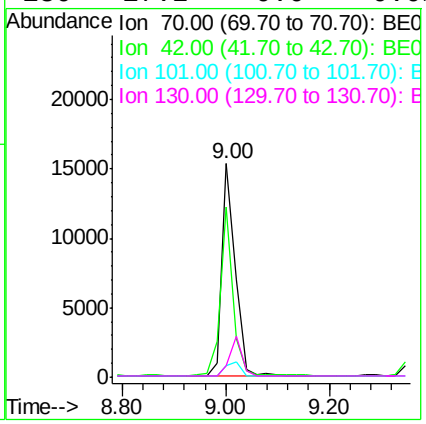


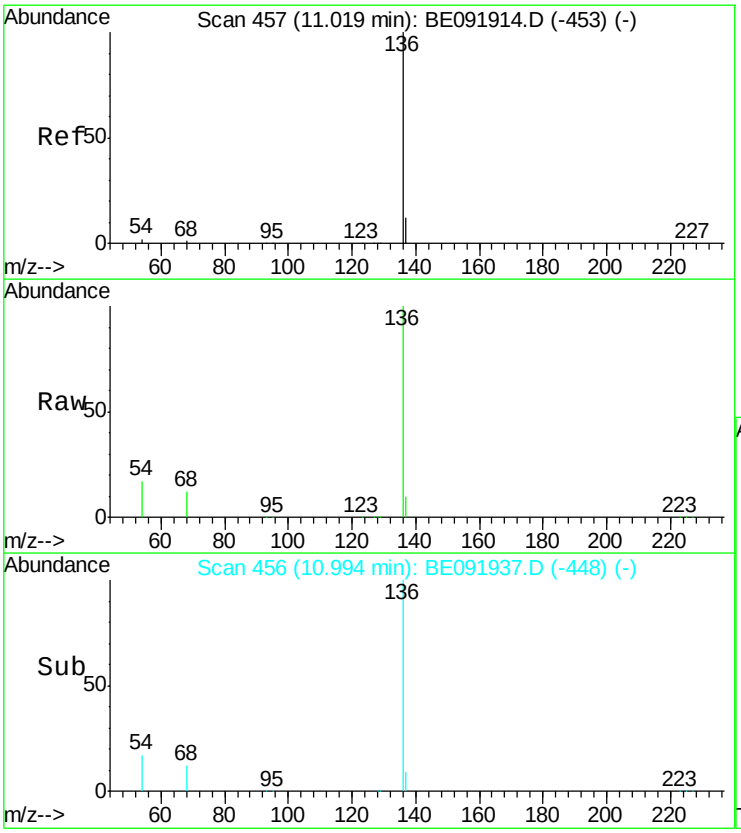

#7
n-Nitroso-di-n-propylamine
Concen: 3.34 ng
RT: 9.00 min Scan# 365
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion: 70 Resp: 27928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 74.6 | 58.4 | 87.6 |
| 101 | 8.4 | 6.4 | 9.6 |
| 130 | 17.2 | 0.0 | 0.0# |

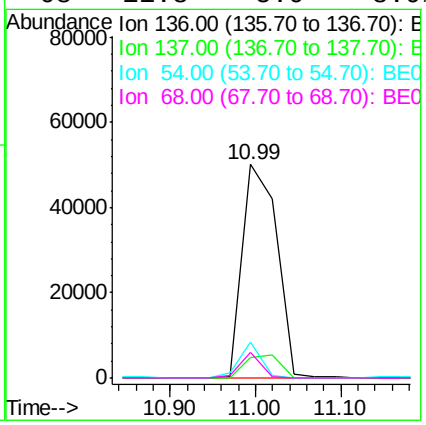


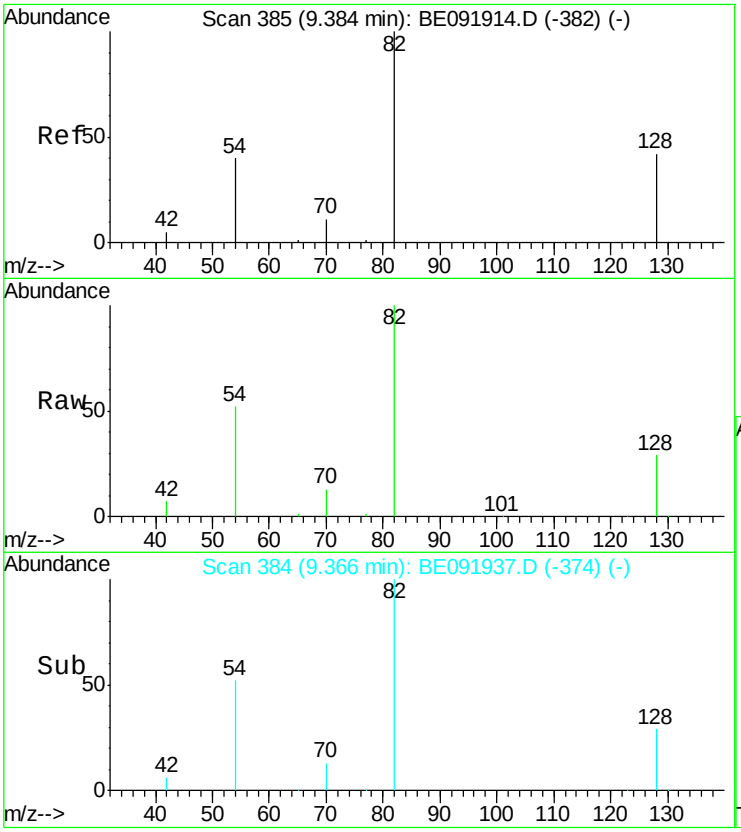




#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 456
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:136 Resp: 139844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.6 | 8.3 | 12.5 |
| 54 | 16.9 | 8.2 | 12.4# |
| 68 | 11.8 | 5.9 | 8.9# |



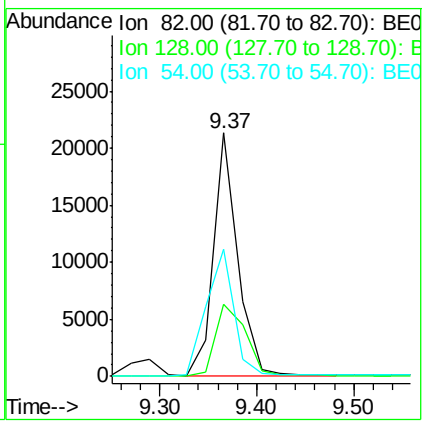


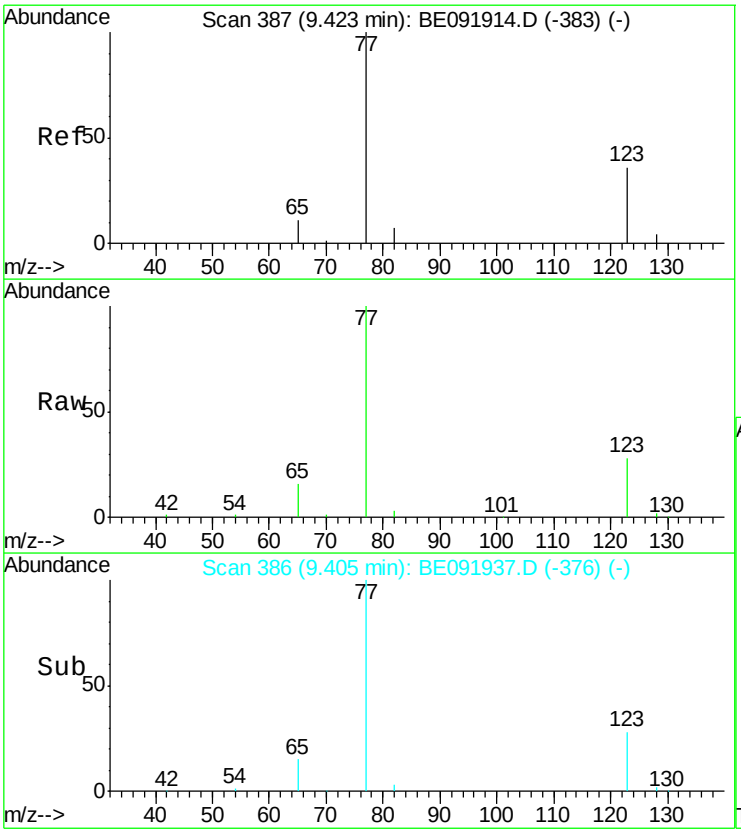

#9
Nitrobenzene-d5
Concen: 3.80 ng
RT: 9.37 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion: 82 Resp: 36657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 29.4 | 39.5 | 59.3# |
| 54 | 52.1 | 30.3 | 45.5# |

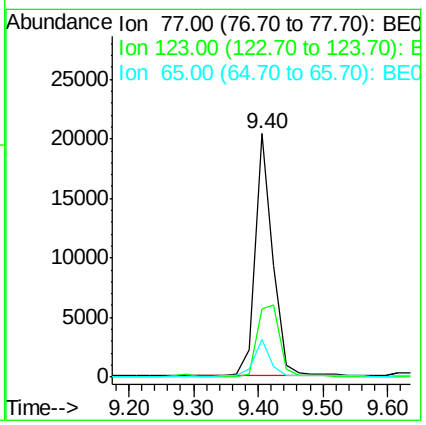


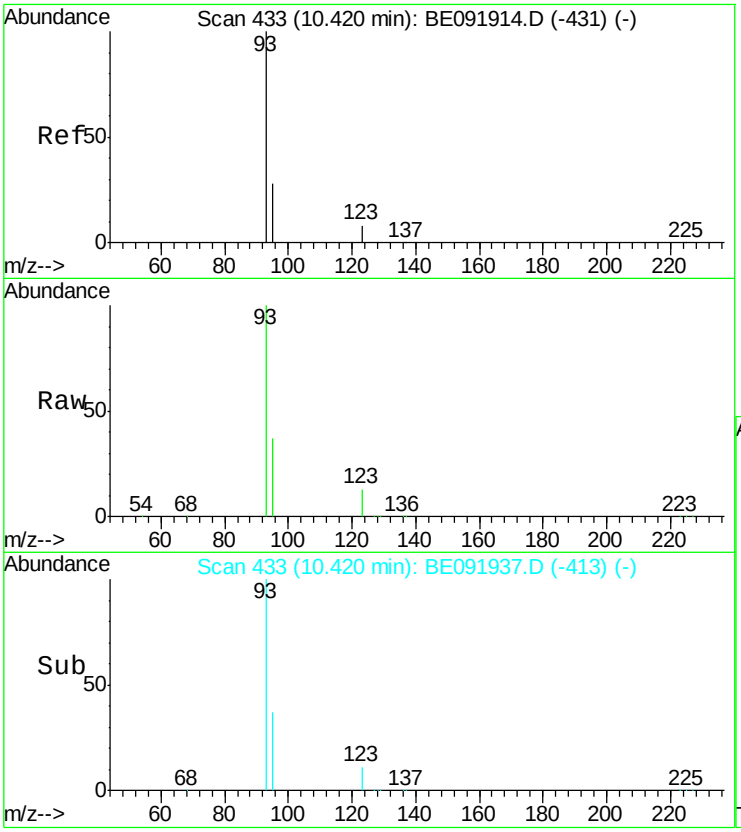




#10
Nitrobenzene
Concen: 3.50 ng
RT: 9.40 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion: 77 Resp: 38237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 38.6 | 0.0 | 0.0# |
| 65 | 14.3 | 11.1 | 16.7 |



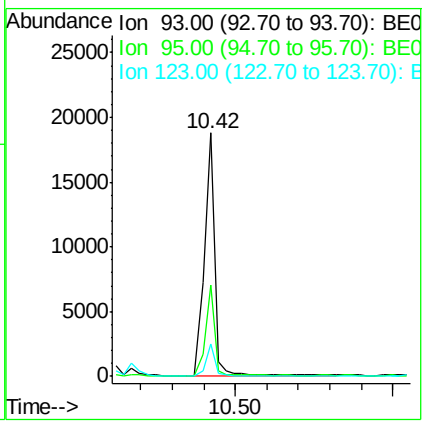


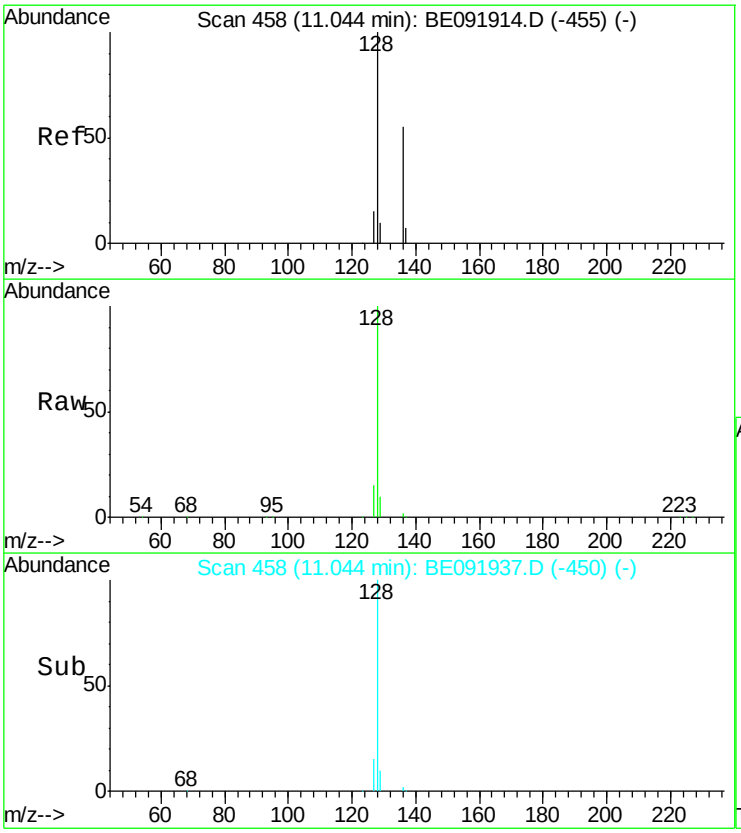

#11
bis(2-Chloroethoxy)methane
Concen: 3.47 ng
RT: 10.42 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion: 93 Resp: 42468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.1 | 57.6 | 86.4# |
| 123 | 10.6 | 100.2 | 150.4# |

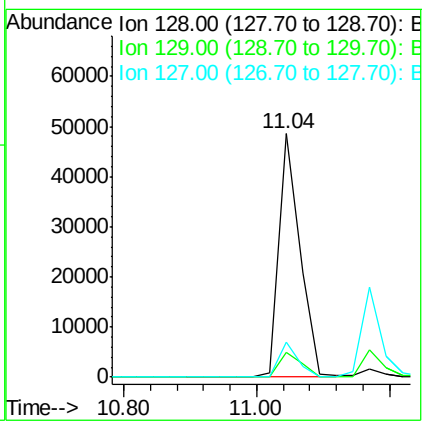


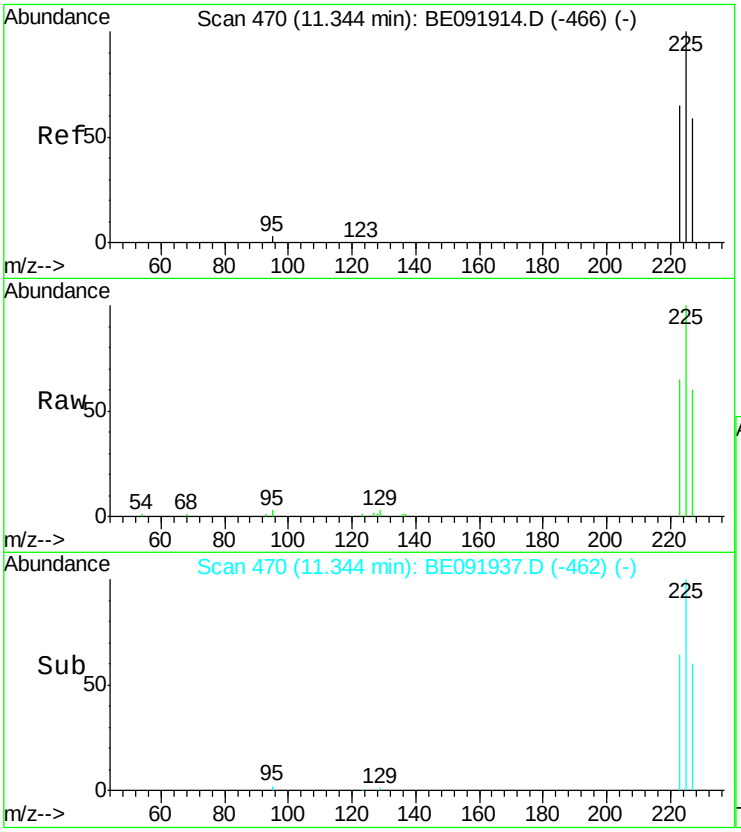




#12
Naphthalene
Concen: 3.46 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:128 Resp: 105561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.1 | 10.4 | 15.6# |
| 127 | 14.6 | 10.2 | 15.2 |



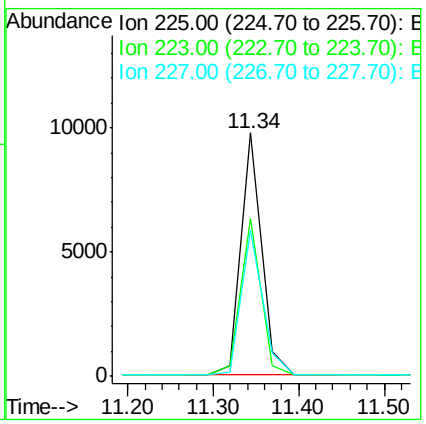


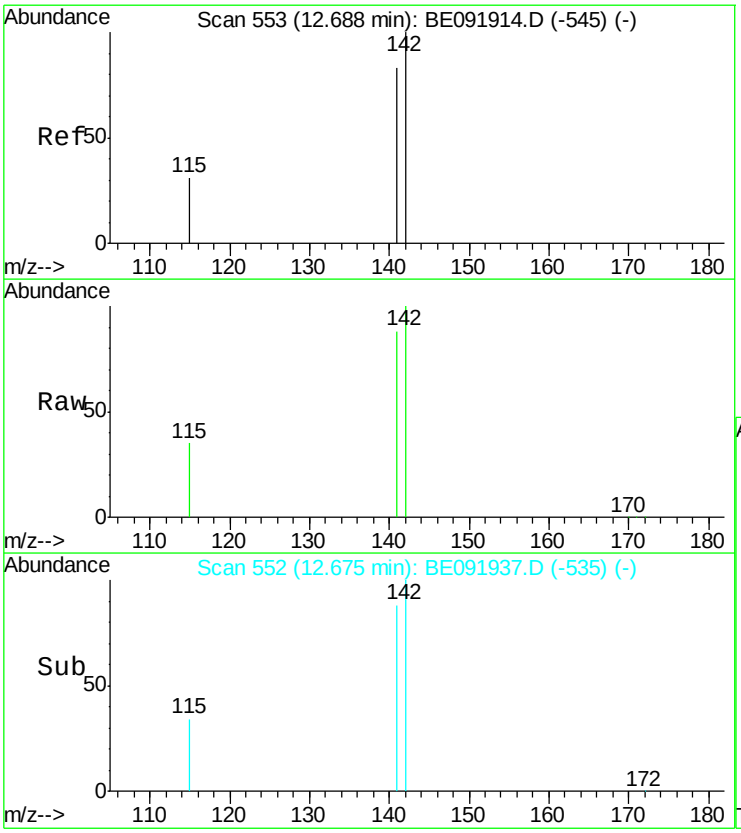

#13
Hexachlorobutadiene
Concen: 3.37 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:225 Resp: 16660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 49.8 | 74.8 |
| 227 | 62.4 | 50.6 | 75.8 |

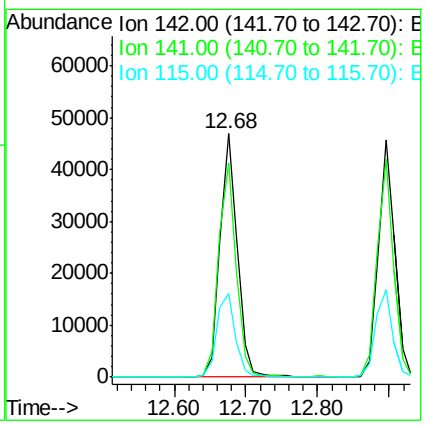


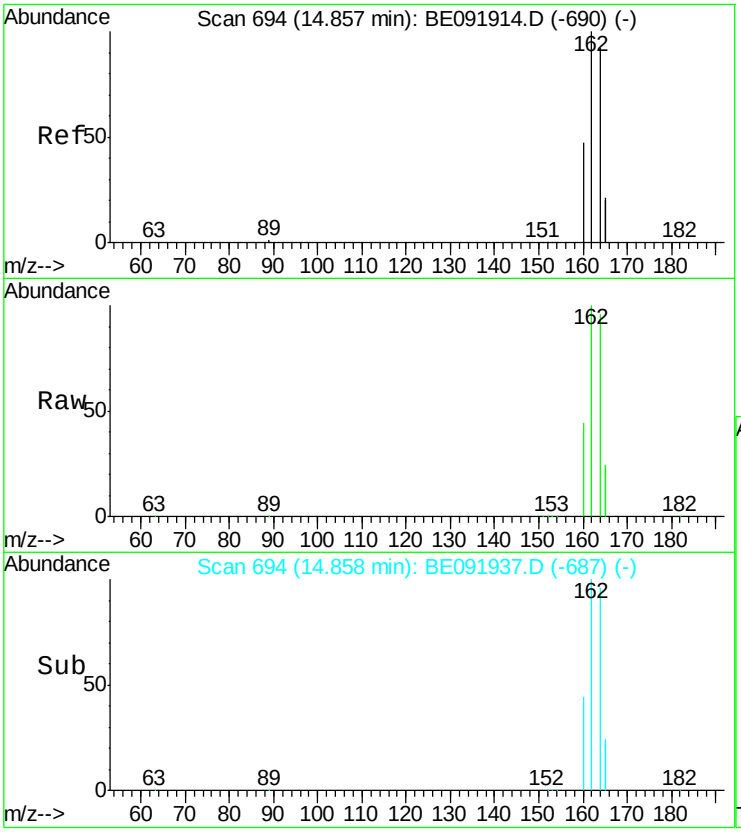




#14
2-Methylnaphthalene
Concen: 3.79 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:142 Resp: 78424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 71.9 | 107.9 |
| 115 | 34.5 | 29.9 | 44.9 |



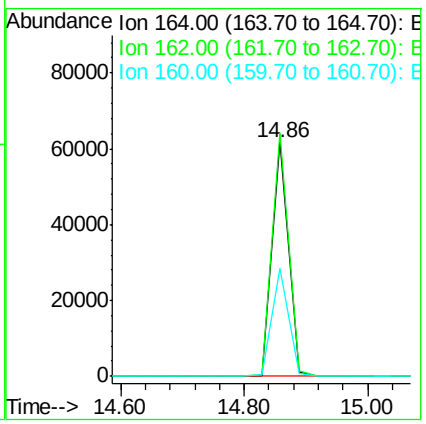


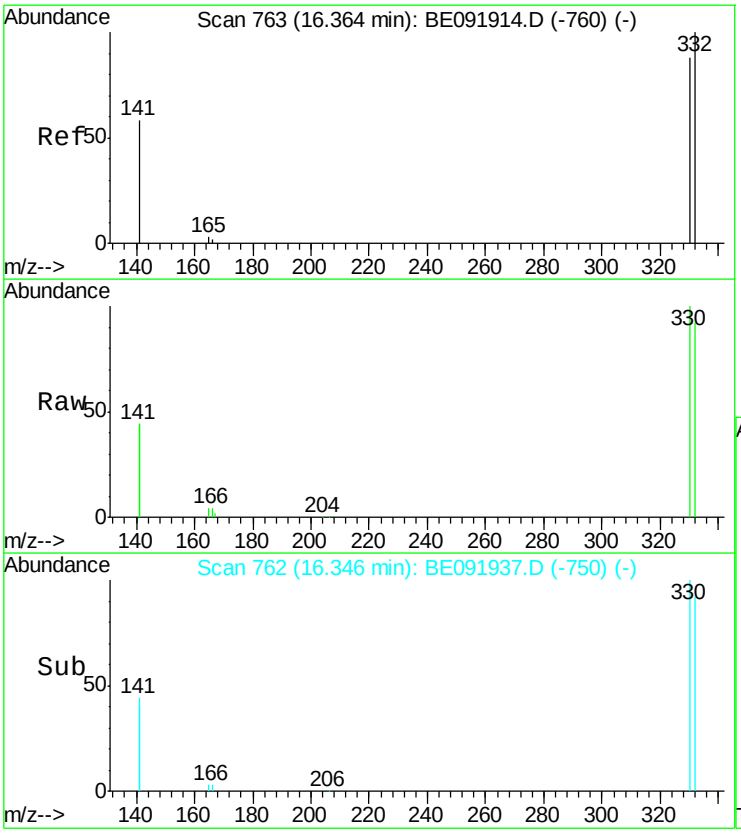

#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:164 Resp: 114433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 71.8 | 107.8 |
| 160 | 46.2 | 28.0 | 42.0# |

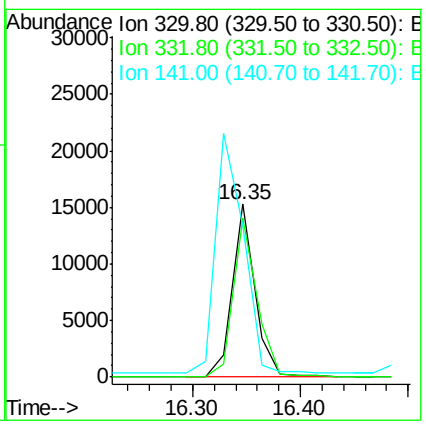


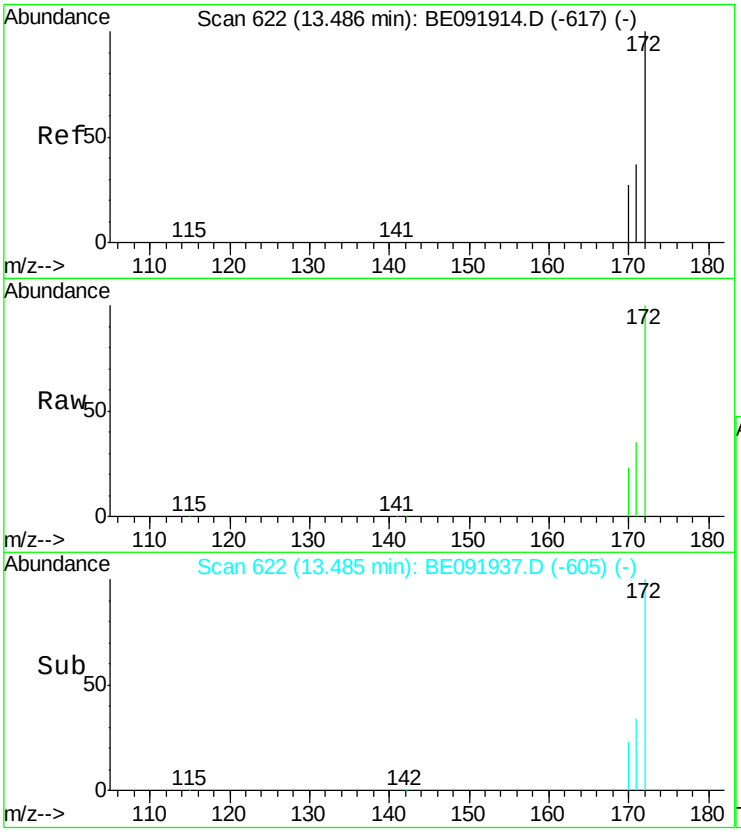




#16
2,4,6-Tribromophenol
Concen: 7.31 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:330 Resp: 21738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 77.0 | 115.6 |
| 141 | 174.5 | 138.4 | 207.6 |



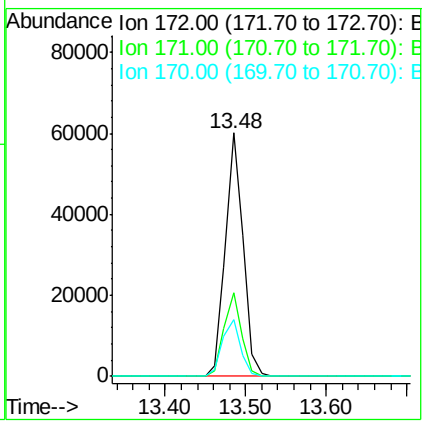


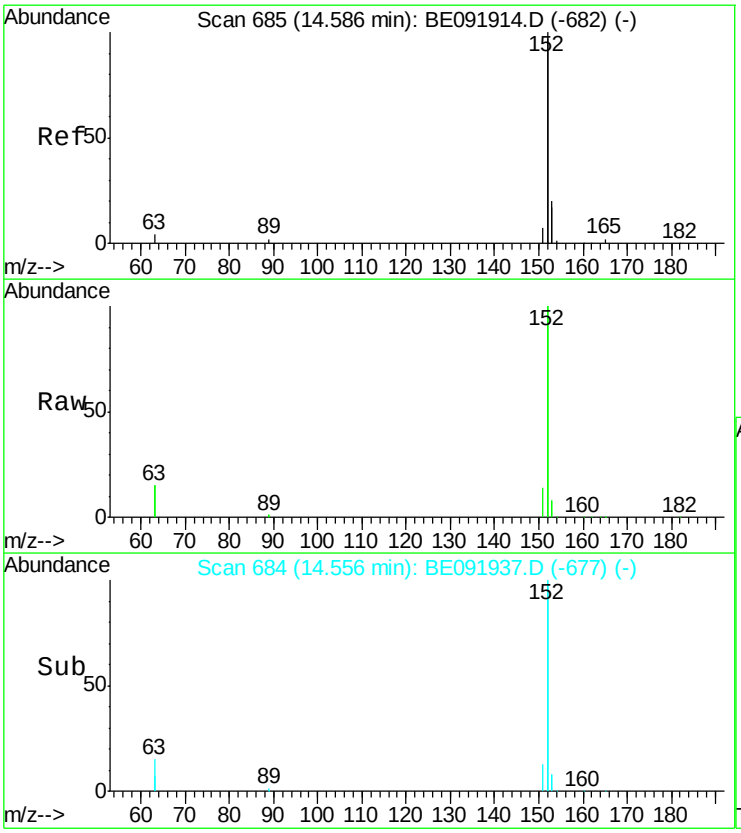

#17
2-Fluorobiphenyl
Concen: 3.13 ng
RT: 13.48 min Scan# 622
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:172 Resp: 90860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 24.3 | 36.5 |
| 170 | 23.1 | 14.9 | 22.3# |

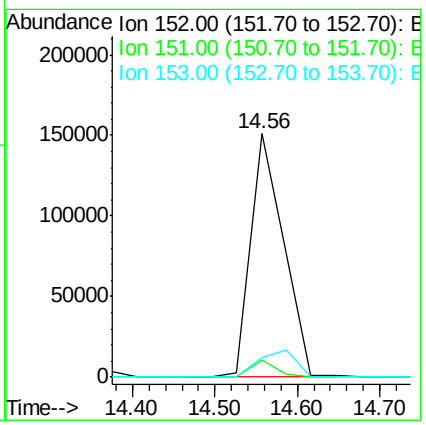


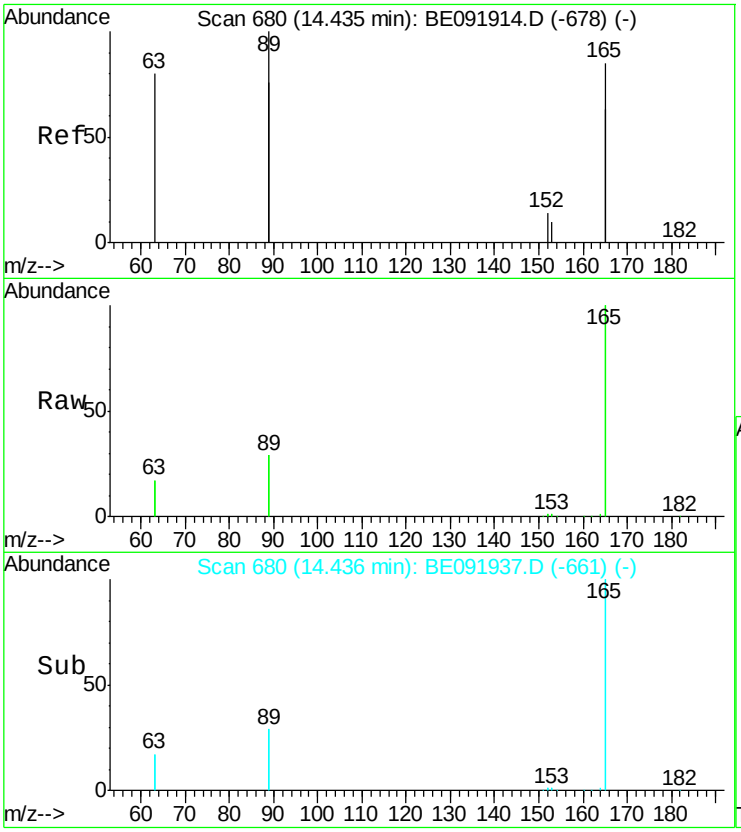




#18
Acenaphthylene
Concen: 3.59 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:152 Resp: 417476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 5.4 | 19.4 | 29.2# |
| 153 | 0.0 | 14.4 | 21.6# |



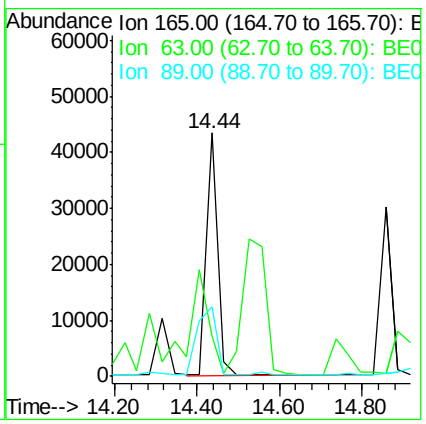


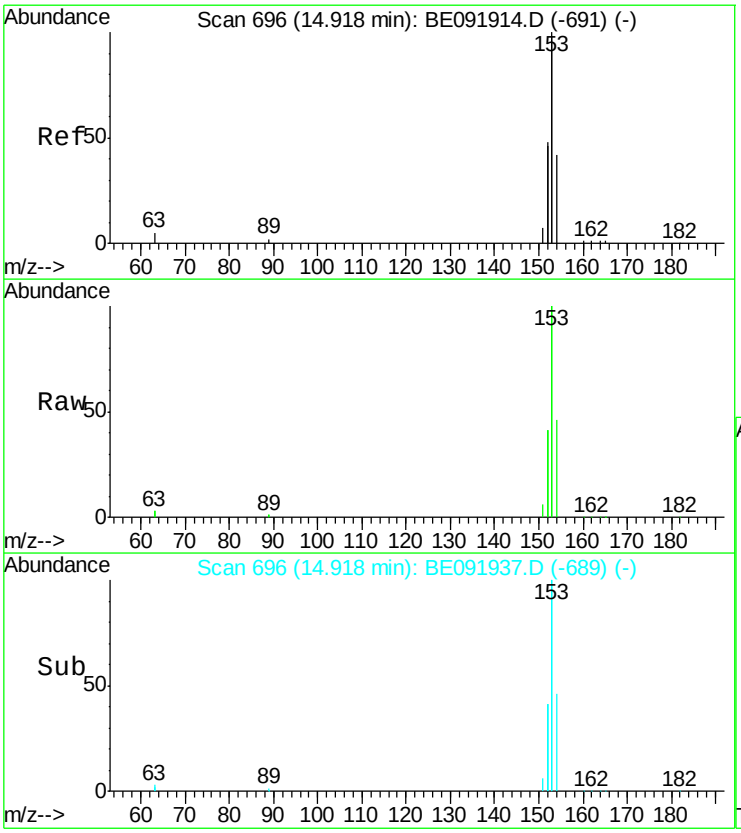

#19
2,6-Dinitrotoluene
Concen: 3.40 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:165 Resp: 84491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 65.9 | 98.9# |
| 89 | 48.3 | 59.1 | 88.7# |

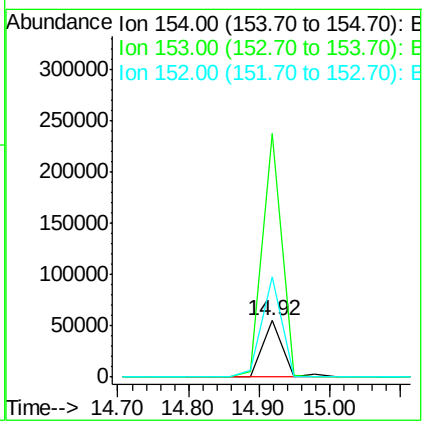


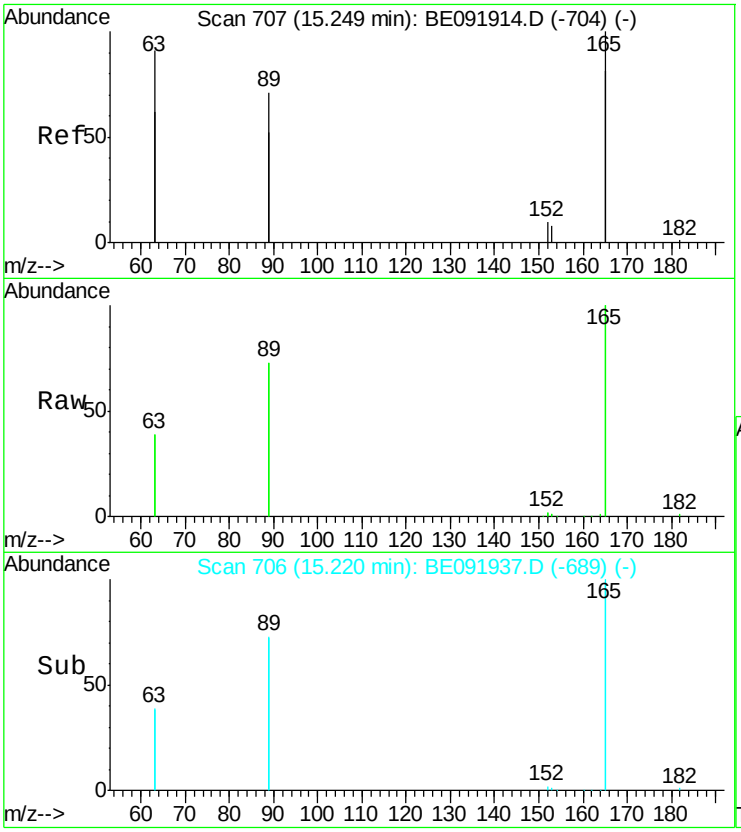




#20
Acenaphthene
Concen: 3.32 ng
RT: 14.92 min Scan# 696
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:154 Resp: 106123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 415.3 | 88.1 | 132.1# |
| 152 | 178.0 | 44.2 | 66.2# |



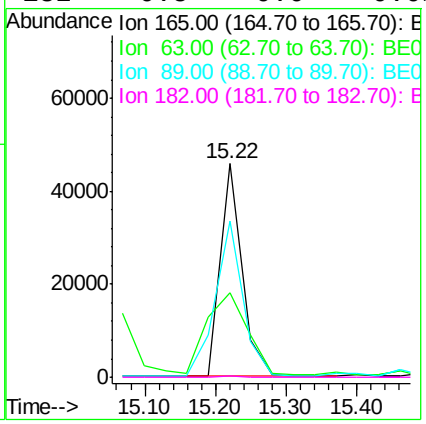


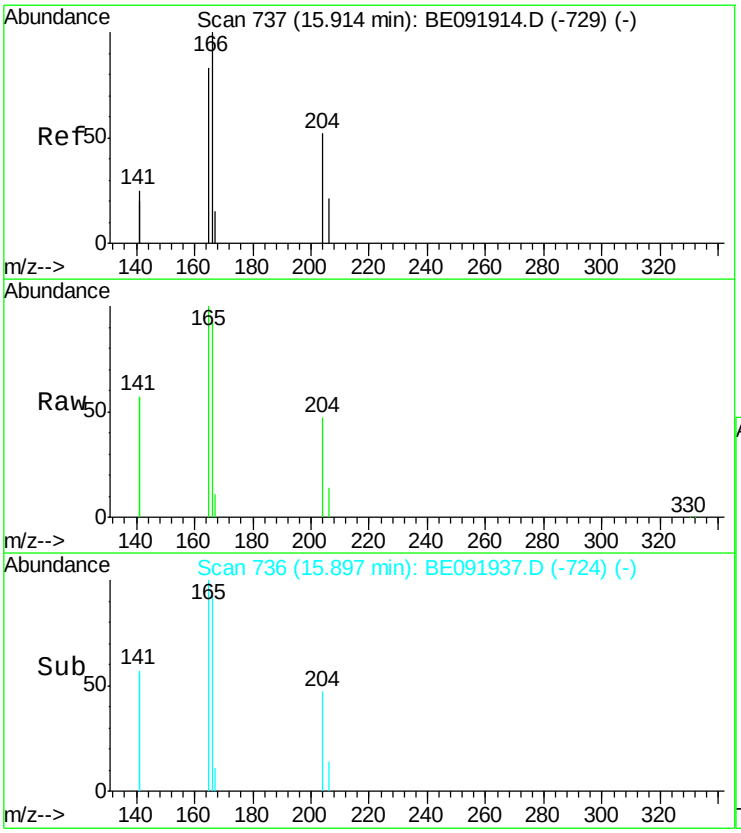

#21
2,4-Dinitrotoluene
Concen: 4.27 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:165 Resp: 97357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 72.4 | 0.0 | 0.0# |
| 89 | 92.9 | 99.8 | 149.8# |
| 182 | 0.5 | 0.0 | 0.0# |

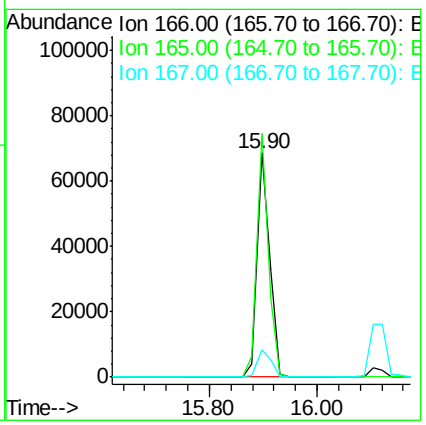


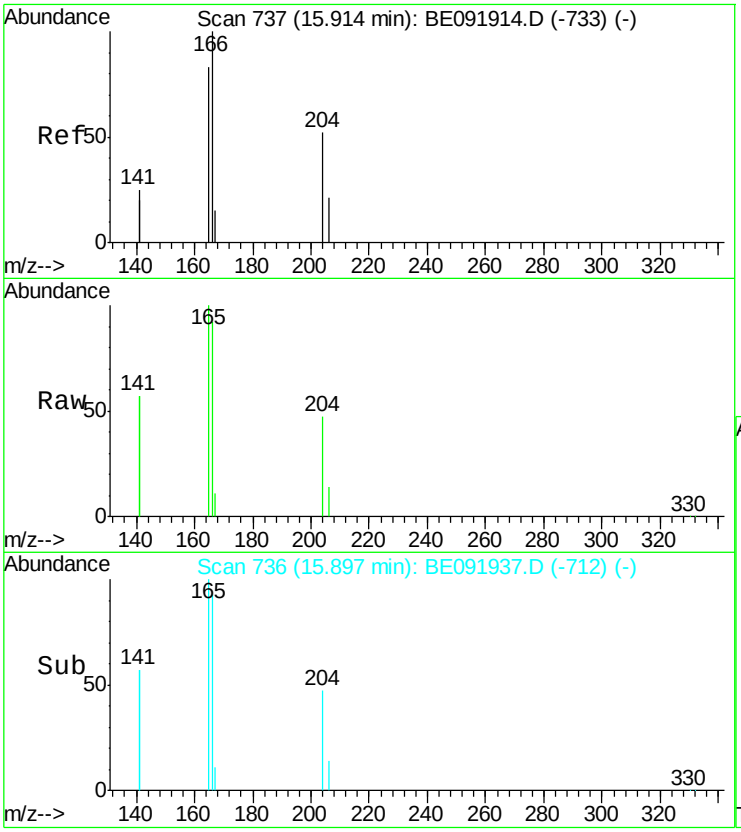




#22
Fluorene
Concen: 3.46 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:166 Resp: 110199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.6 | 78.6 | 117.8 |
| 167 | 13.4 | 10.8 | 16.2 |



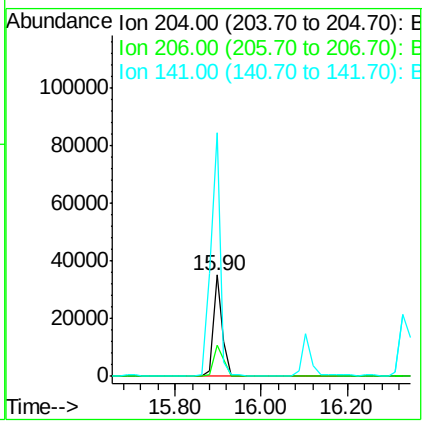


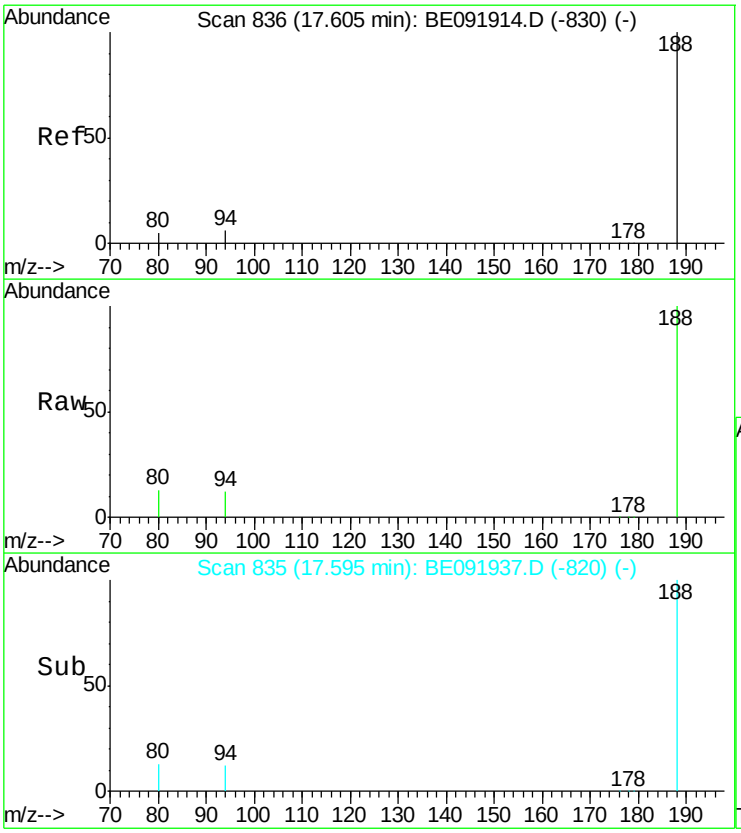

#23
4-Chlorophenyl-phenylether
Concen: 3.28 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:204 Resp: 51466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.8 | 27.8 | 41.6 |
| 141 | 252.7 | 197.6 | 296.4 |

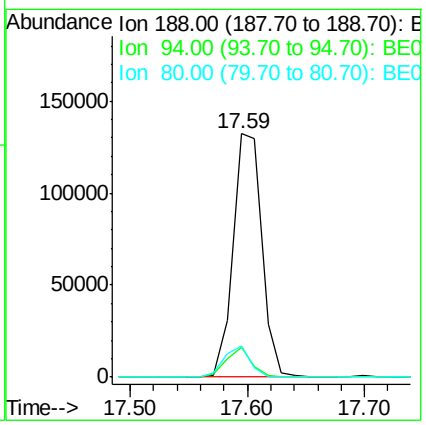


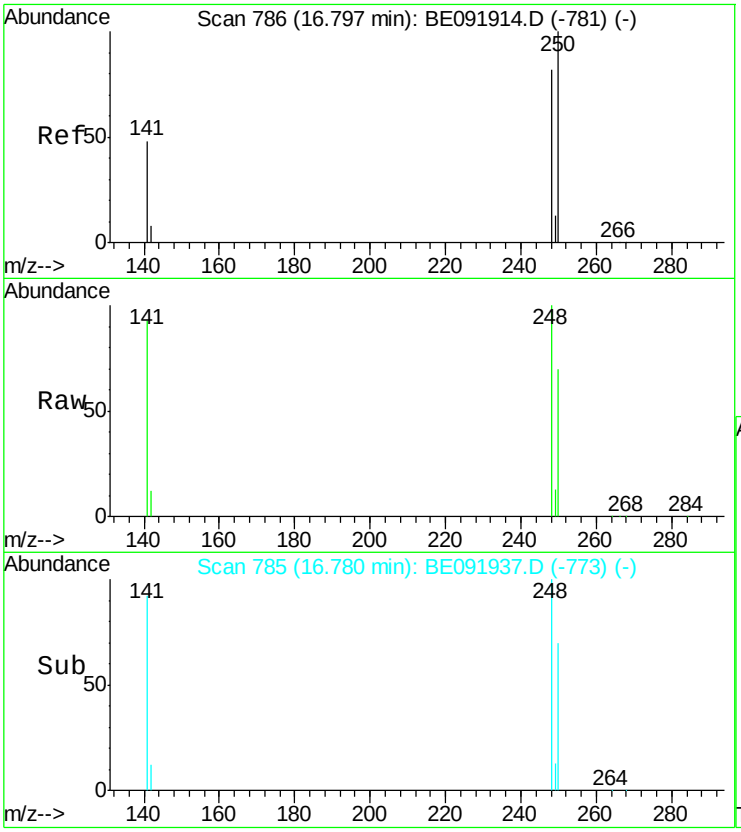




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.01 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:188 Resp: 226361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.4 | 4.1 | 6.1# |
| 80 | 12.6 | 3.4 | 5.2# |



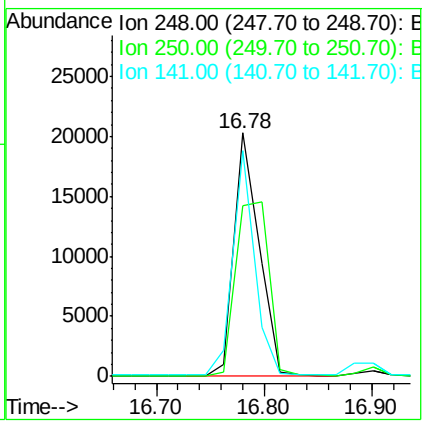


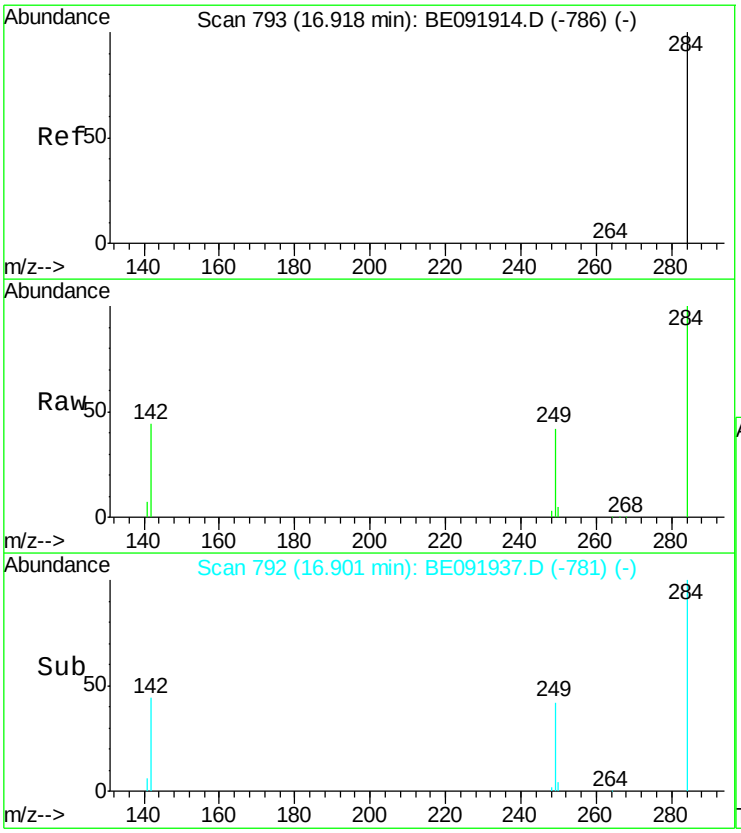

#25
4-Bromophenyl-phenylether
Concen: 3.66 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:248 Resp: 32070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.2 | 75.7 | 113.5 |
| 141 | 81.2 | 64.6 | 97.0 |

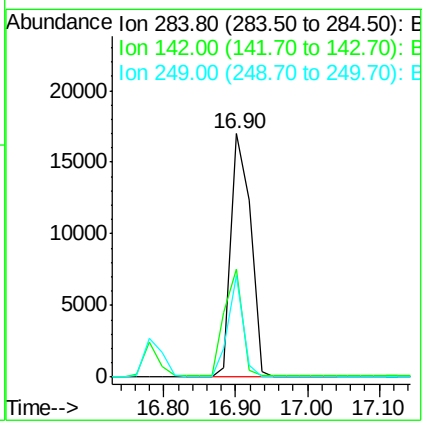


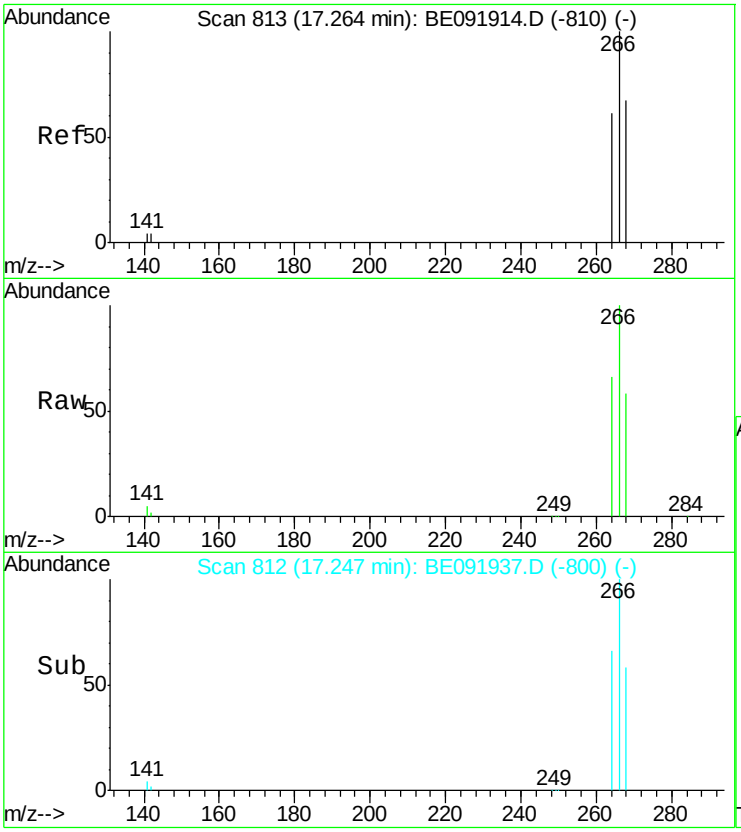




#26
Hexachlorobenzene
Concen: 3.50 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:284 Resp: 31448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 40.8 | 31.4 | 47.2 |
| 249 | 32.3 | 25.3 | 37.9 |



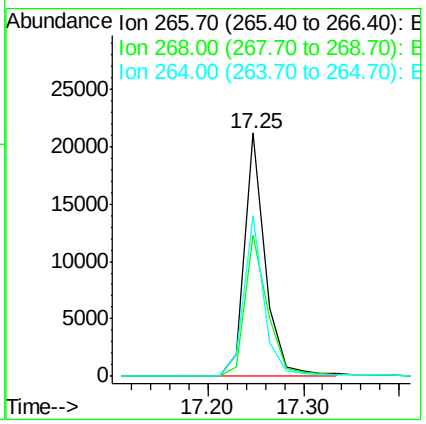


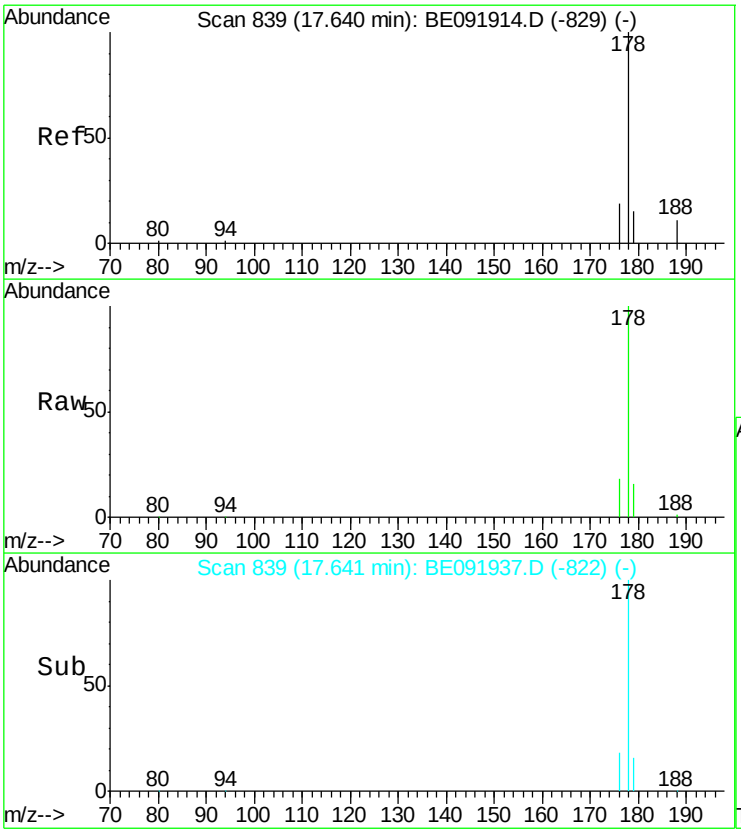

#27
Pentachlorophenol
Concen: 6.62 ng
RT: 17.25 min Scan# 812
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:266 Resp: 31799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 58.2 | 60.5 | 90.7# |
| 264 | 65.7 | 51.0 | 76.4 |

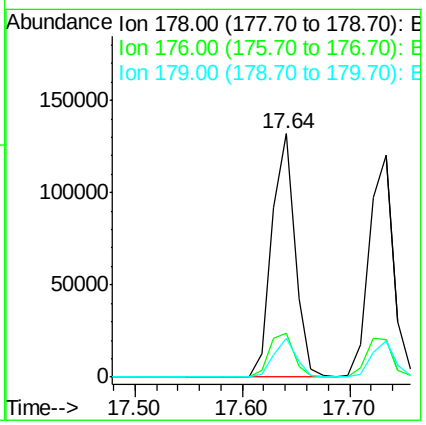


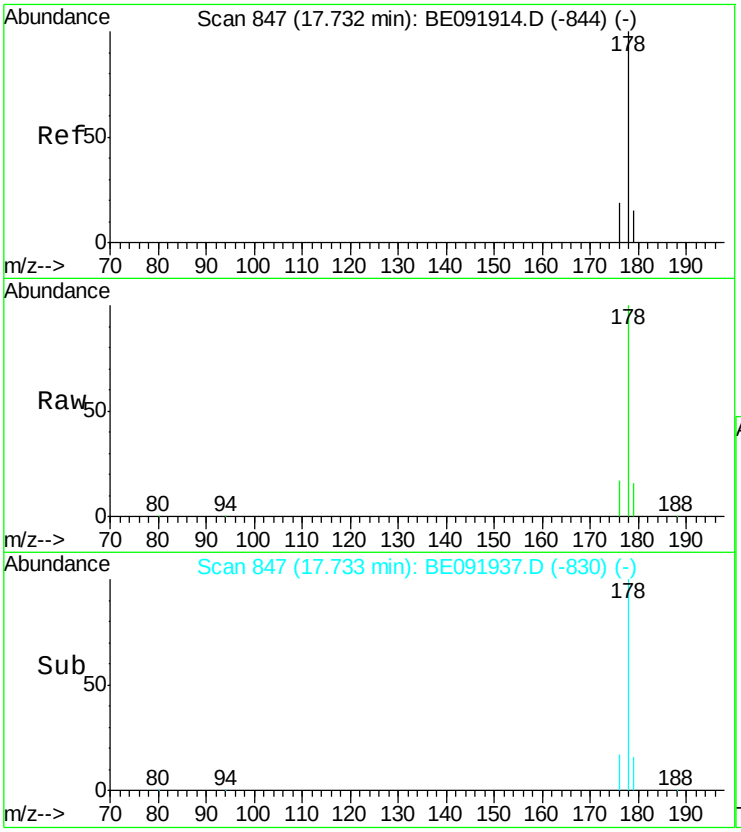




#28
Phenanthrene
Concen: 3.48 ng
RT: 17.64 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:178 Resp: 197157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.2 |
| 179 | 15.5 | 12.9 | 19.3 |



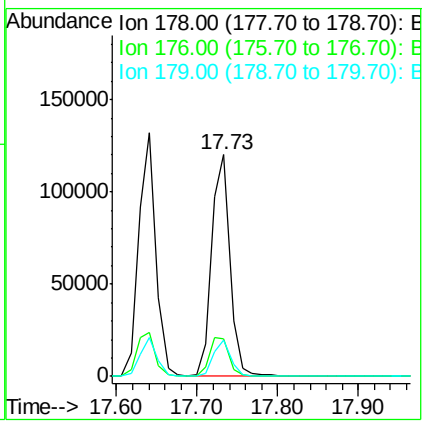


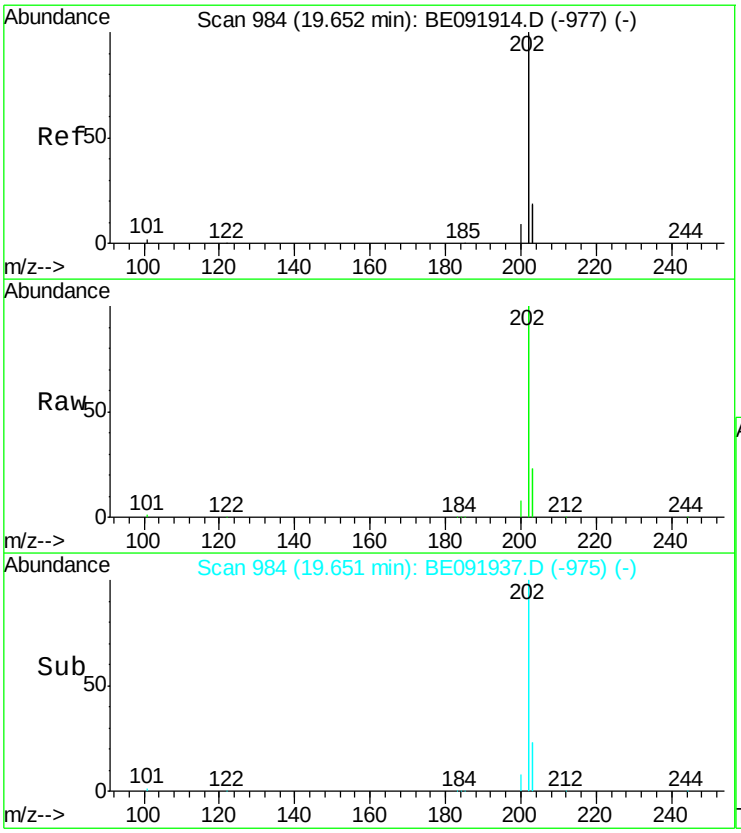

#29
Anthracene
Concen: 3.78 ng
RT: 17.73 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:178 Resp: 189513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.5 | 12.1 | 18.1 |

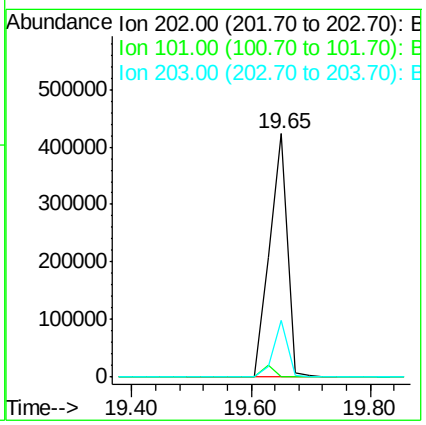


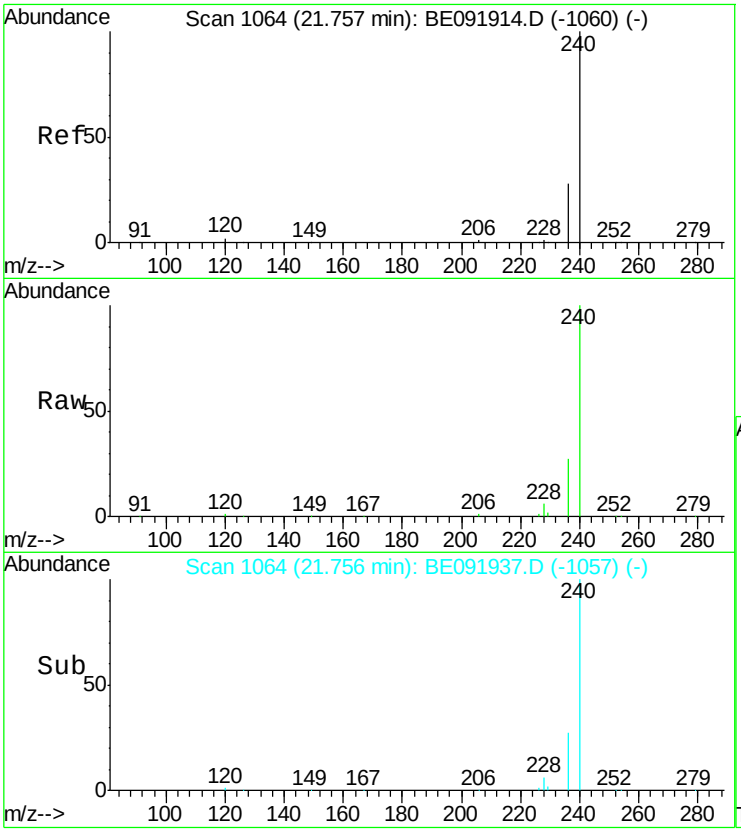




#30
Fluoranthene
Concen: 3.64 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:202 Resp: 881149

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



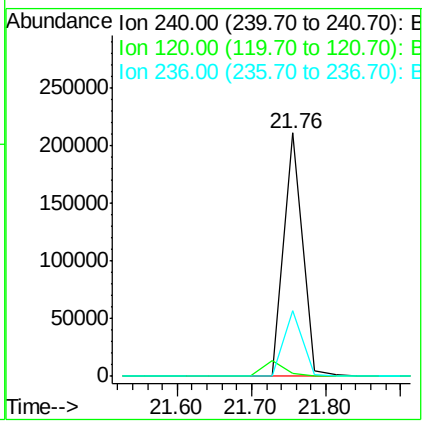


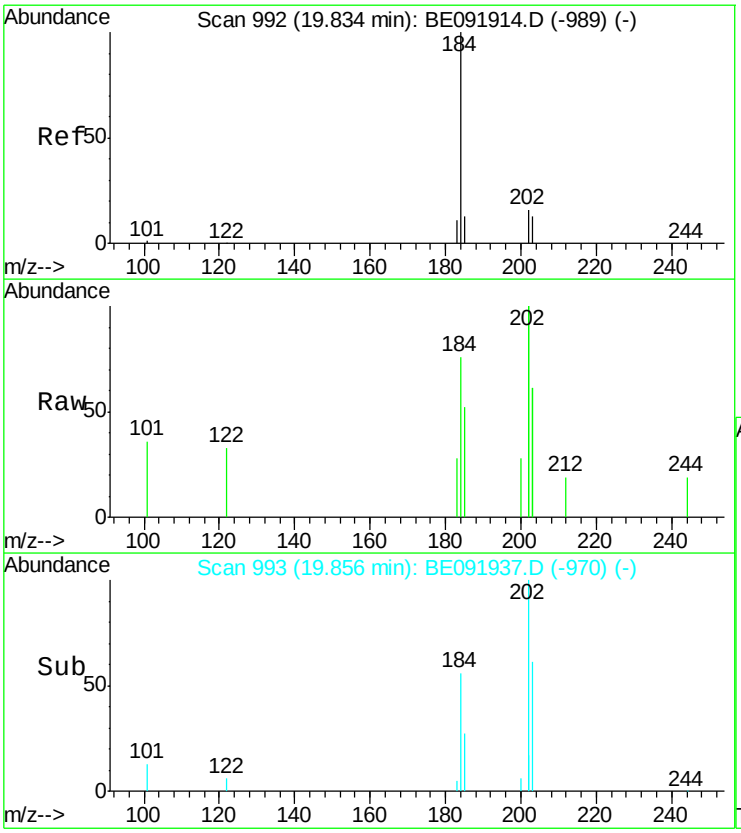

#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:240 Resp: 372634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.4 | 1.2 | 1.8 |
| 236 | 27.2 | 19.8 | 29.8 |

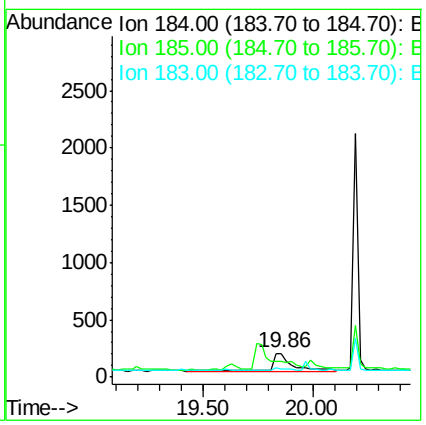


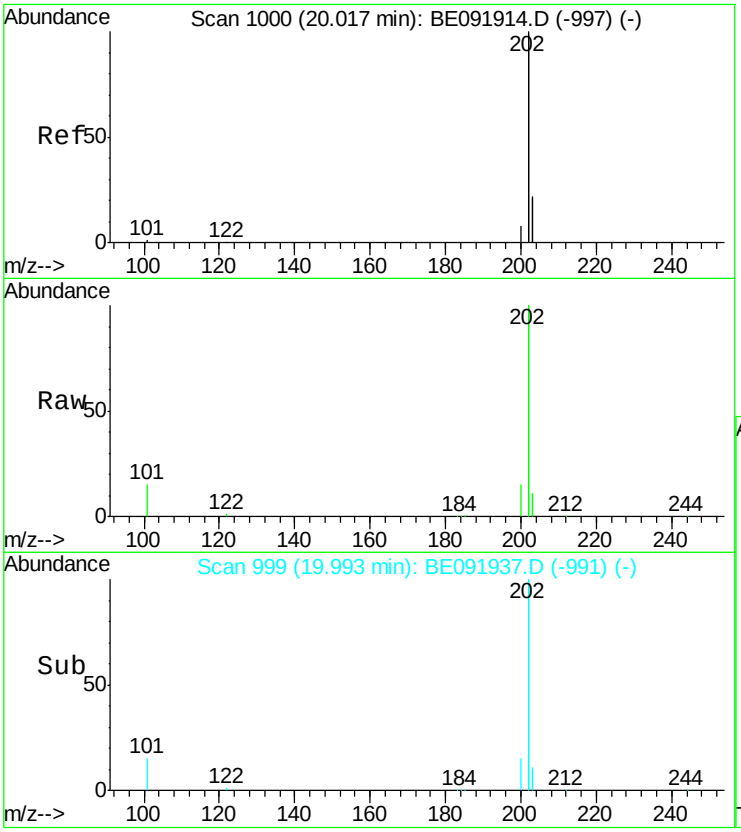




#32
Benzidine
Concen: 0.16 ng
RT: 19.86 min Scan# 993
Delta R.T. 0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:184 Resp: 944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 68.3 | 11.4 | 17.2# |
| 183 | 36.6 | 11.8 | 17.6# |



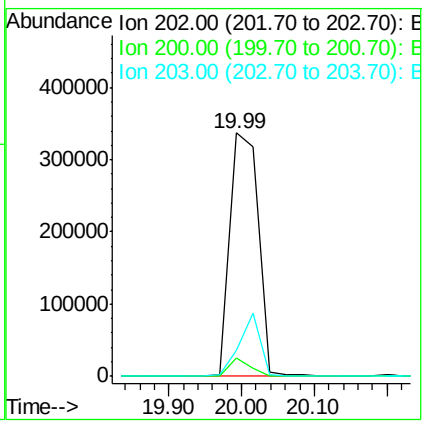


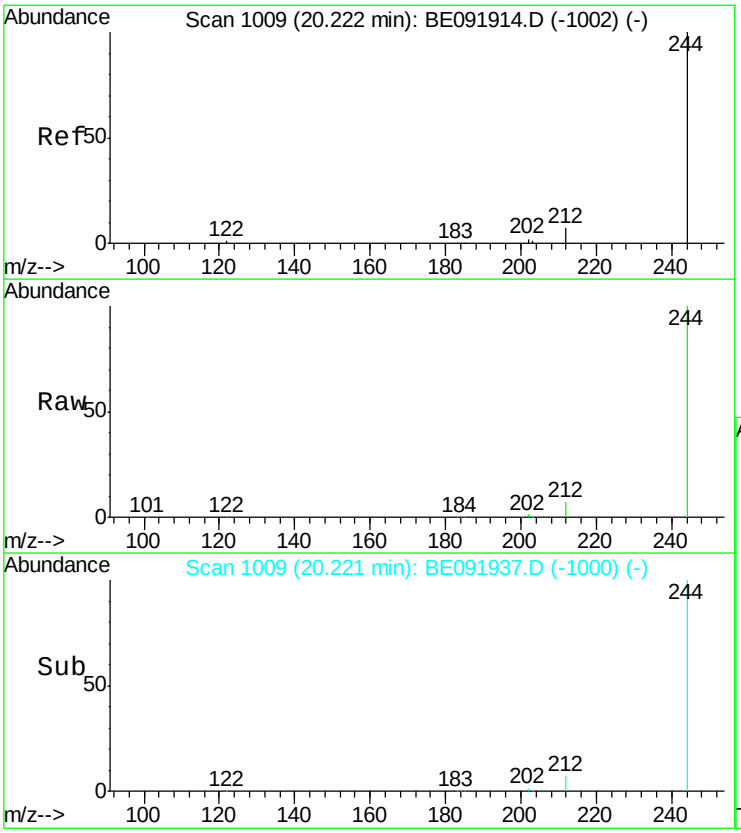

#33
Pyrene
Concen: 3.59 ng
RT: 19.99 min Scan# 999
Delta R.T. -0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:202 Resp: 911158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 5.6 | 16.9 | 25.3# |
| 203 | 0.0 | 14.1 | 21.1# |

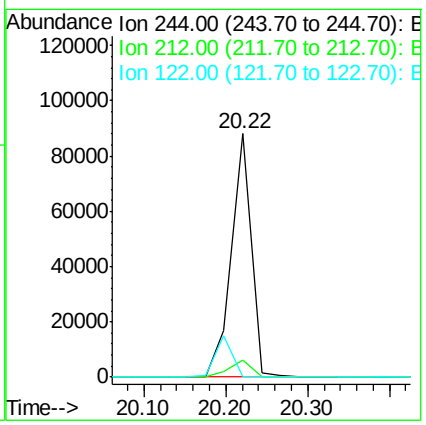


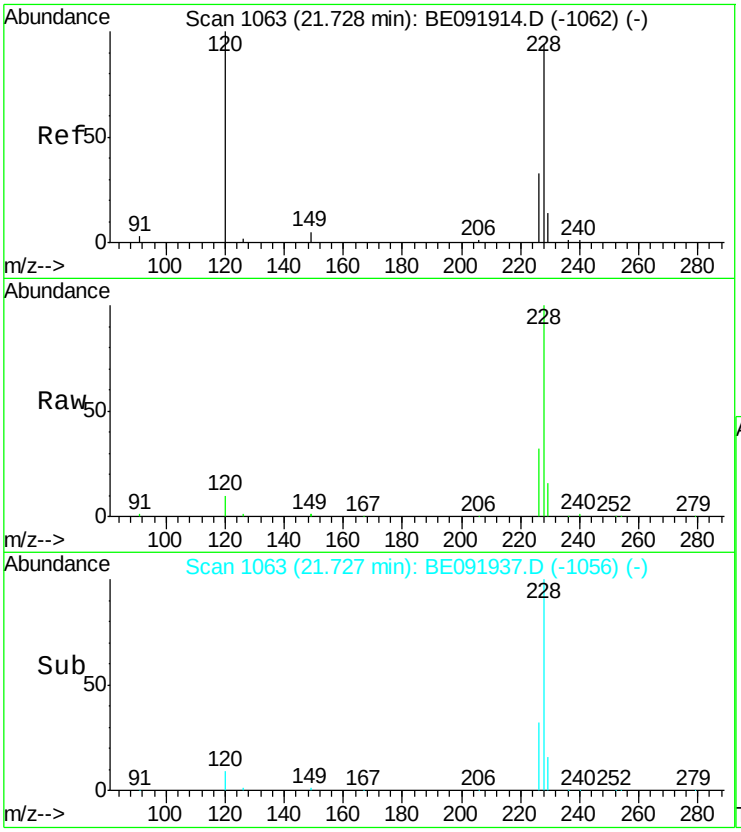




#34
Terphenyl-d14
Concen: 3.21 ng
RT: 20.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:244 Resp: 146264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.5 | 9.7 |
| 122 | 0.4 | 2.9 | 4.3# |



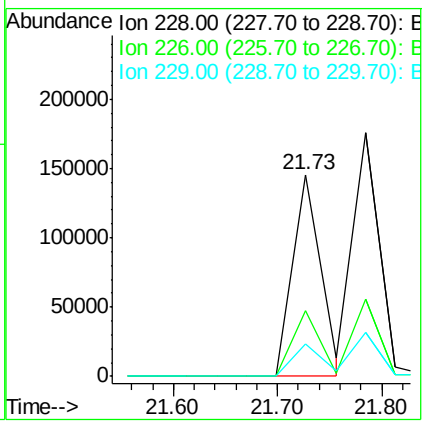


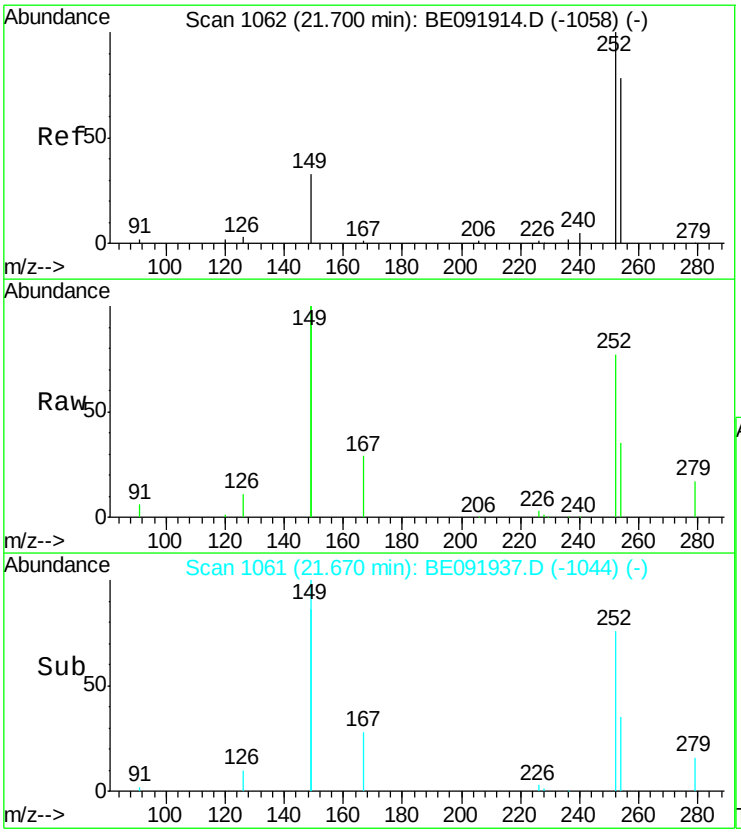

#35
Benzo(a)anthracene
Concen: 4.65 ng
RT: 21.73 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:228 Resp: 272264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.3 | 21.0 | 31.4# |
| 229 | 16.2 | 15.8 | 23.8 |

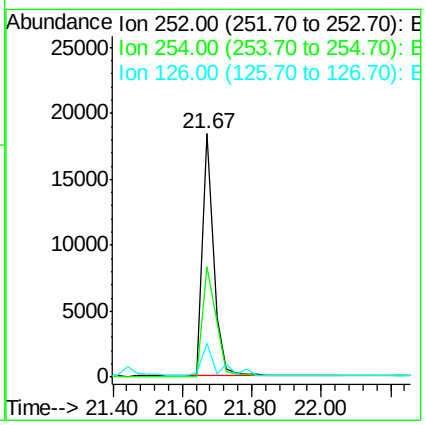


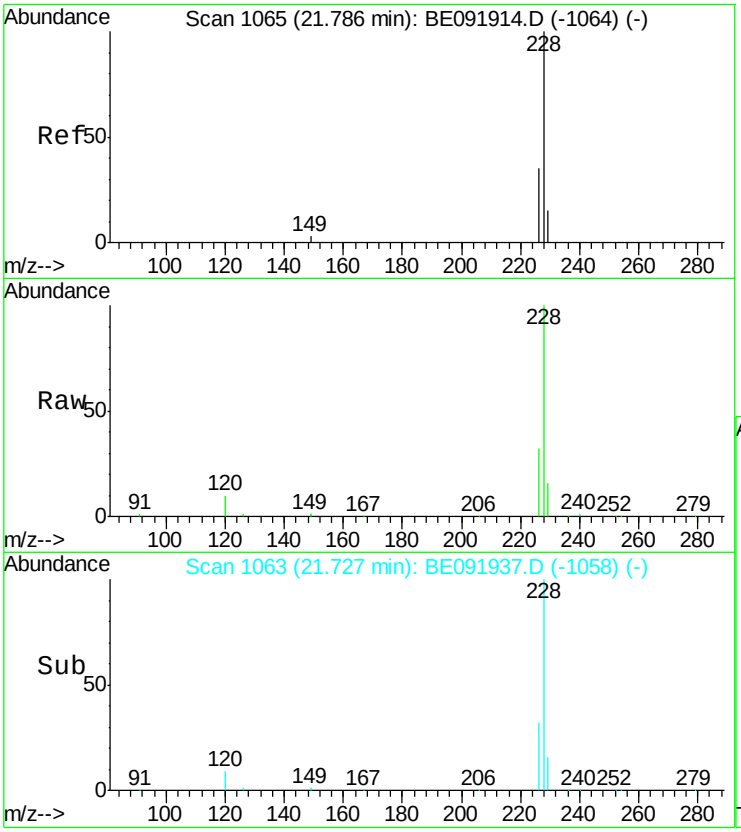




#36
3,3'-Dichlorobenzidine
Concen: 4.39 ng
RT: 21.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:252 Resp: 41646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 45.4 | 61.5 | 92.3# |
| 126 | 14.1 | 2.5 | 3.7# |



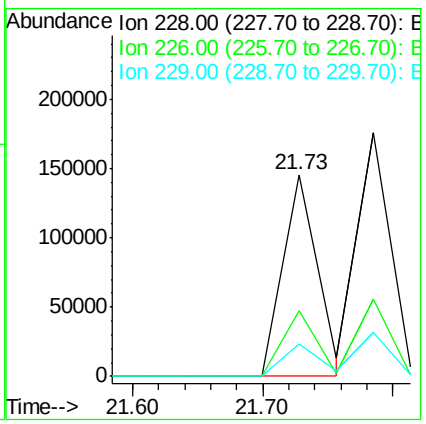


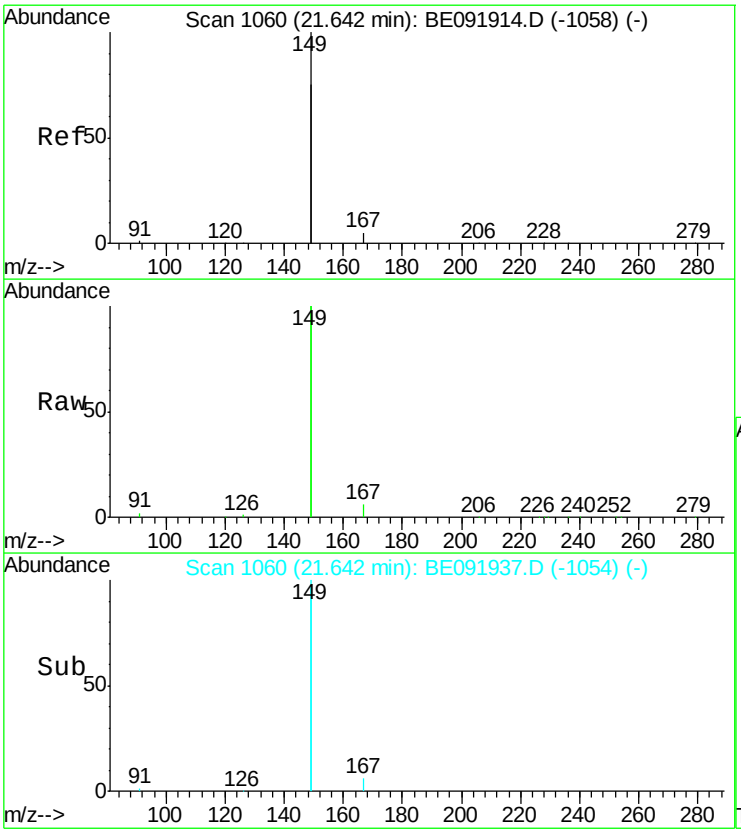

#37
Chrysene
Concen: 3.18 ng
RT: 21.73 min Scan# 1063
Delta R.T. -0.06 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:228 Resp: 272307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.3 | 27.0 | 40.6 |
| 229 | 16.2 | 13.8 | 20.8 |

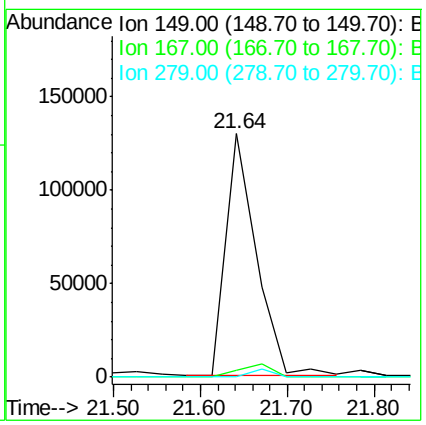


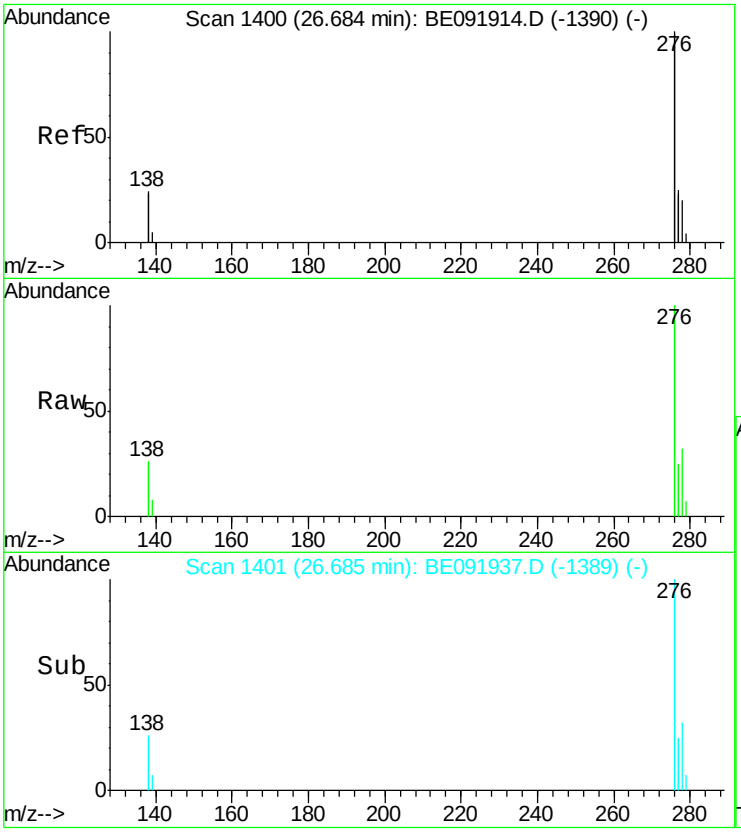




#38
Bis(2-ethylhexyl)phthalate
Concen: 5.06 ng
RT: 21.64 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:149 Resp: 308613

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



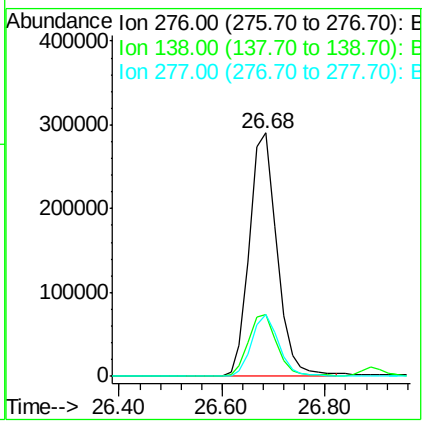


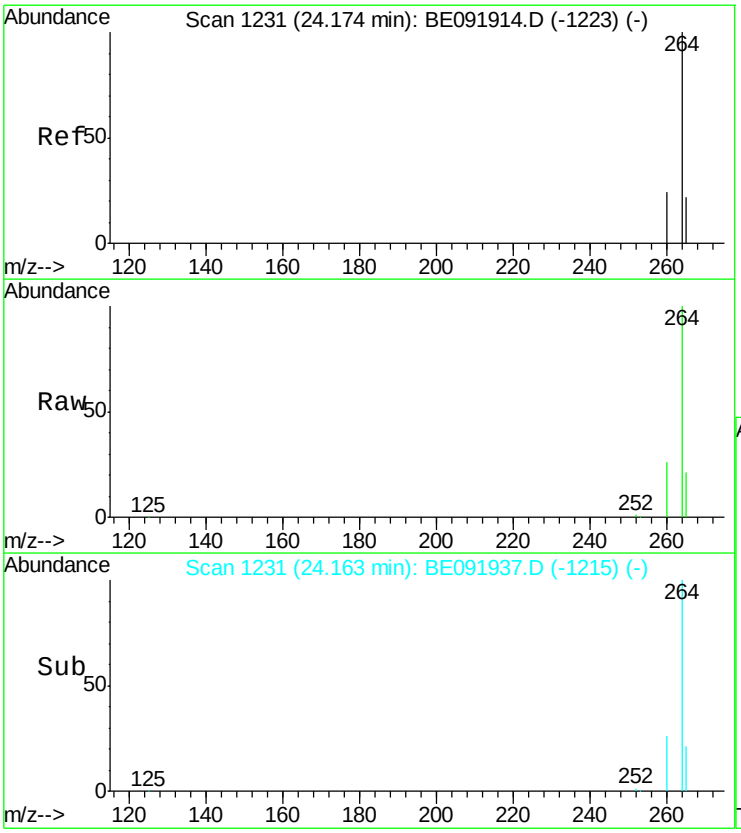

#39
Indeno(1,2,3-cd)pyrene
Concen: 3.66 ng
RT: 26.68 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:276 Resp: 1071832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.2 | 19.7 | 29.5 |
| 277 | 24.8 | 20.1 | 30.1 |

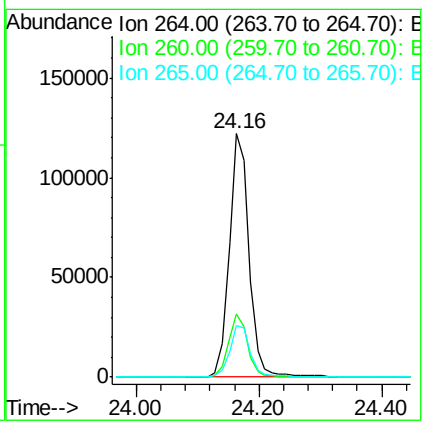


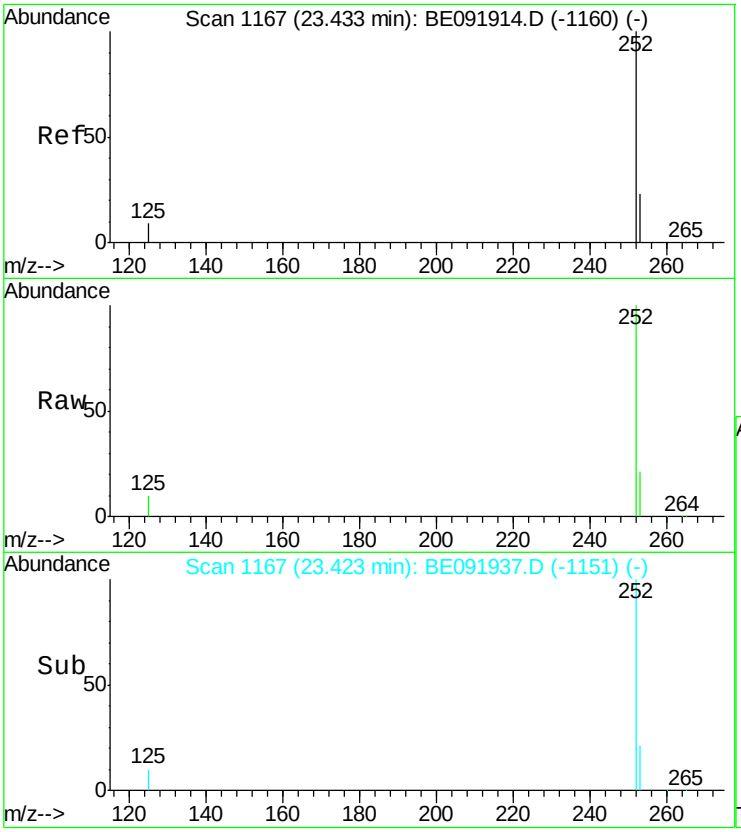




#40
Perylene-d12
Concen: 5.00 ng
RT: 24.16 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:264 Resp: 271205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.8 | 20.3 | 30.5 |
| 265 | 21.3 | 17.6 | 26.4 |



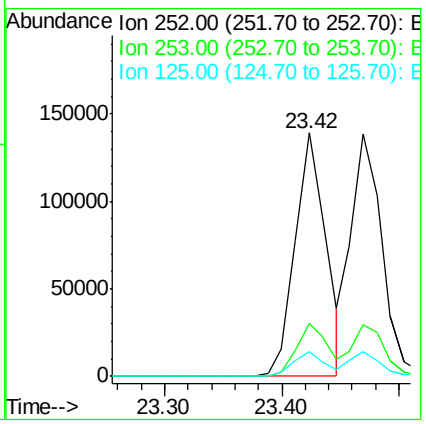


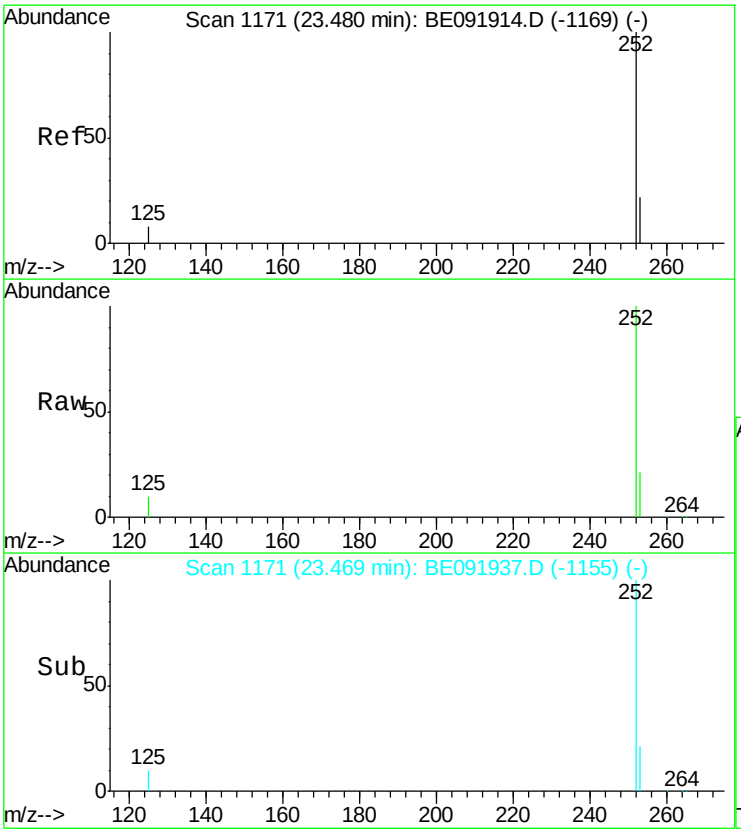

#41
Benzo(b)fluoranthene
Concen: 3.64 ng
RT: 23.42 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:252 Resp: 253475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.8 | 26.6 |
| 125 | 10.3 | 9.4 | 14.2 |

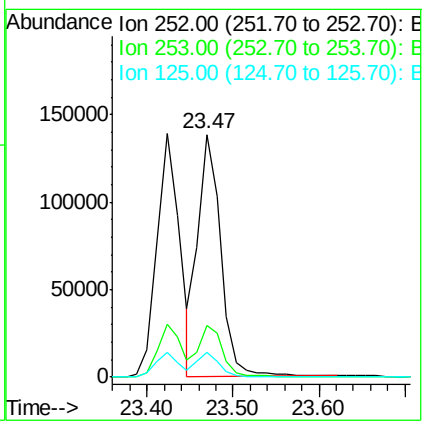


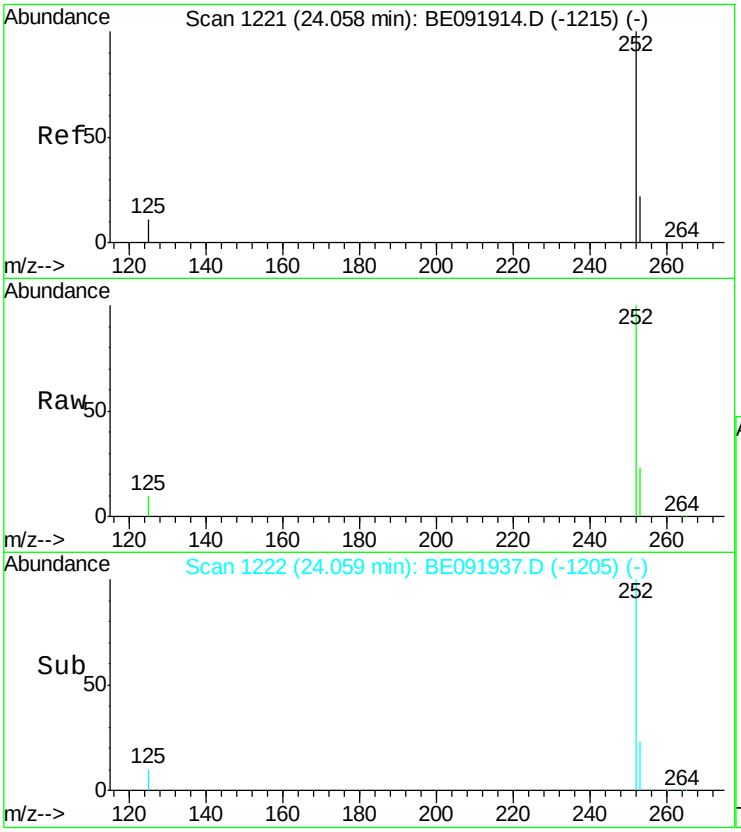




#42
Benzo(k)fluoranthene
Concen: 3.99 ng
RT: 23.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:252 Resp: 254002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 19.4 | 29.2 |
| 125 | 10.3 | 8.3 | 12.5 |



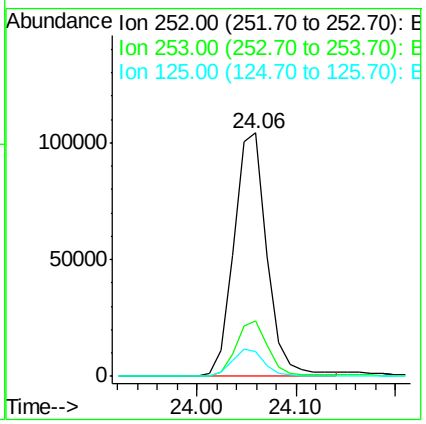


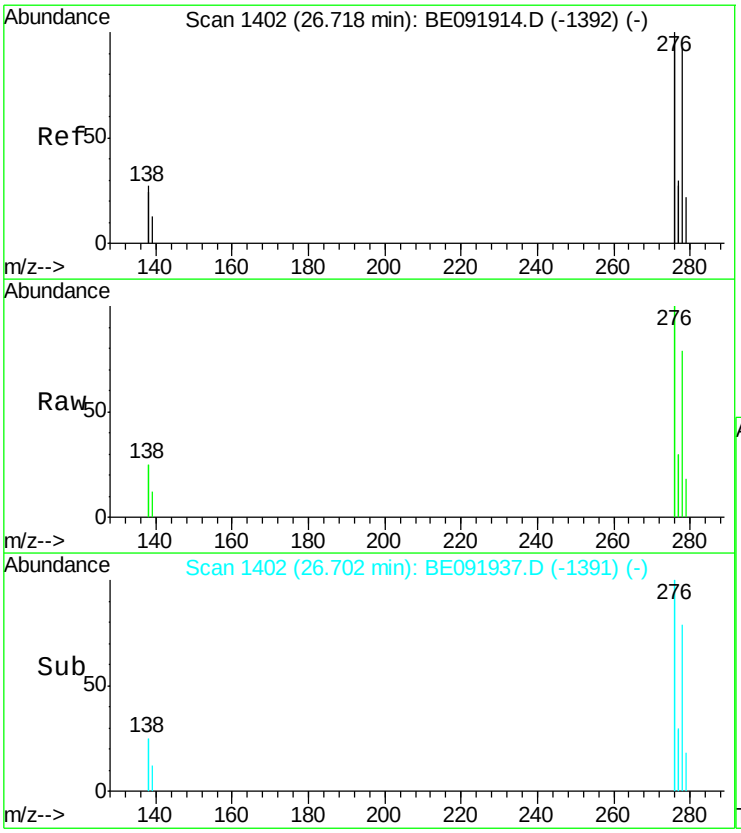

#43
Benzo(a)pyrene
Concen: 3.93 ng
RT: 24.06 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:252 Resp: 238808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 18.9 | 28.3 |
| 125 | 10.4 | 10.5 | 15.7# |

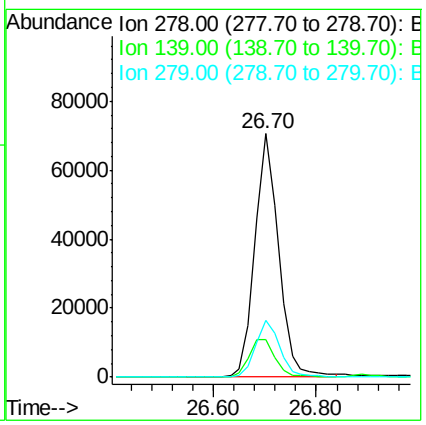


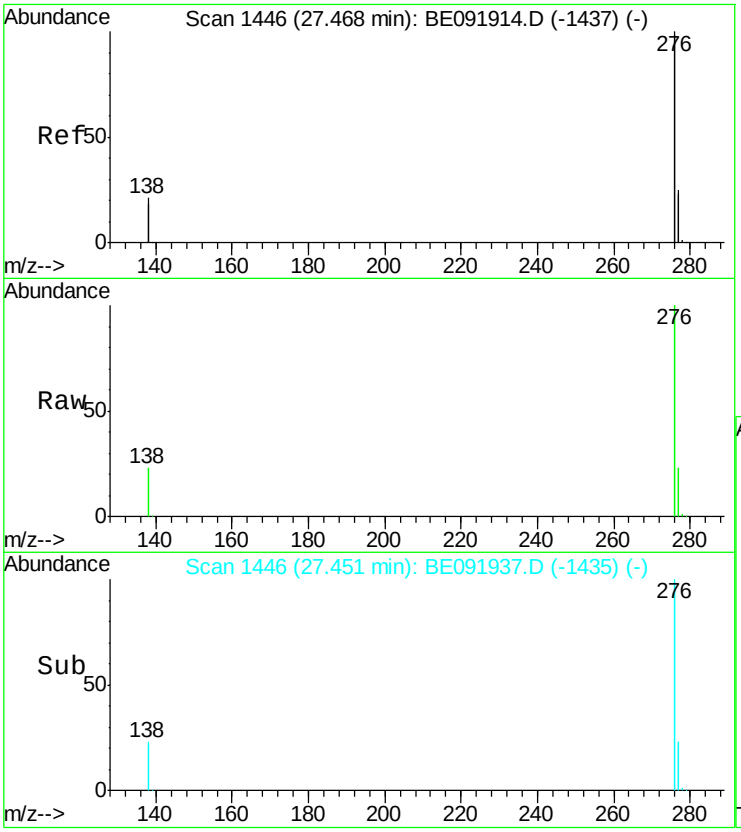




#44
Dibenzo(a,h)anthracene
Concen: 3.77 ng
RT: 26.70 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

Tgt Ion:278 Resp: 222941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 12.6 | 18.8 |
| 279 | 23.5 | 20.0 | 30.0 |






#45
Benzo(g,h,i)perylene
Concen: 3.73 ng
RT: 27.45 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BE091937.D
Acq: 16 Jun 2016 13:48

**Instrument :**
BNA_F
**ClientSampleId :**
OM-SPN-001-160531MSD

Tgt Ion:276 Resp: 910830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.8 | 19.5 | 29.3 |
| 138 | 22.8 | 17.7 | 26.5 |