Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092618.D
Acq On : 27 Dec 2016 11:51
Operator : UM/SJ
Sample : H6210-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** OUTFALL001-161220

Quant Time: Dec 28 01:24:10 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 8747 | 5.00 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.93 | 136 | 38024 | 5.00 | ng | 0.00 |
| 12) Acenaphthene-d10 | 14.80 | 164 | 24298 | 5.00 | ng | 0.00 |
| 18) Phenanthrene-d10 | 17.56 | 188 | 55686 | 5.00 | ng | 0.00 |
| 24) Chrysene-d12 | 21.72 | 240 | 81584 | 5.00 | ng | 0.00 |
| 31) Perylene-d12 | 24.08 | 264 | 69897 | 5.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.65 | 112 | 7049 | 4.23 | ng | -0.04 |
| 5) Phenol-d6 | 7.31 | 99 | 5043 | 2.09 | ng | -0.07 |
| 8) Nitrobenzene-d5 | 9.32 | 82 | 12499 | 4.76 | ng | -0.05 |
| 13) 2,4,6-Tribromophenol | 16.30 | 330 | 6186 | 8.80 | ng | -0.01 |
| 14) 2-Fluorobiphenyl | 13.41 | 172 | 31422 | 5.41 | ng | -0.02 |
| 26) Terphenyl-d14 | 20.16 | 244 | 54830 | 5.48 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.87 | 42 | 66 | 0.24 | ng | # 2 |
| 6) bis(2-Chloroethyl)ether | 7.52 | 93 | 18 | 0.11 | ng | # 15 |
| 9) Naphthalene | 10.97 | 128 | 1121 | 0.14 | ng | # 83 |
| 11) 2-Methylnaphthalene | 12.63 | 142 | 135 | 0.03 | ng | # 75 |
| 19) Hexachlorobenzene | 16.68 | 284 | 350 | 0.15 | ng | # 39 |
| 20) Pentachlorophenol | 17.26 | 266 | 29 | 0.08 | ng | # 73 |
| 21) Phenanthrene | 17.58 | 178 | 312 | 0.02 | ng | # 77 |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 424 | 0.12 | ng | # 76 |

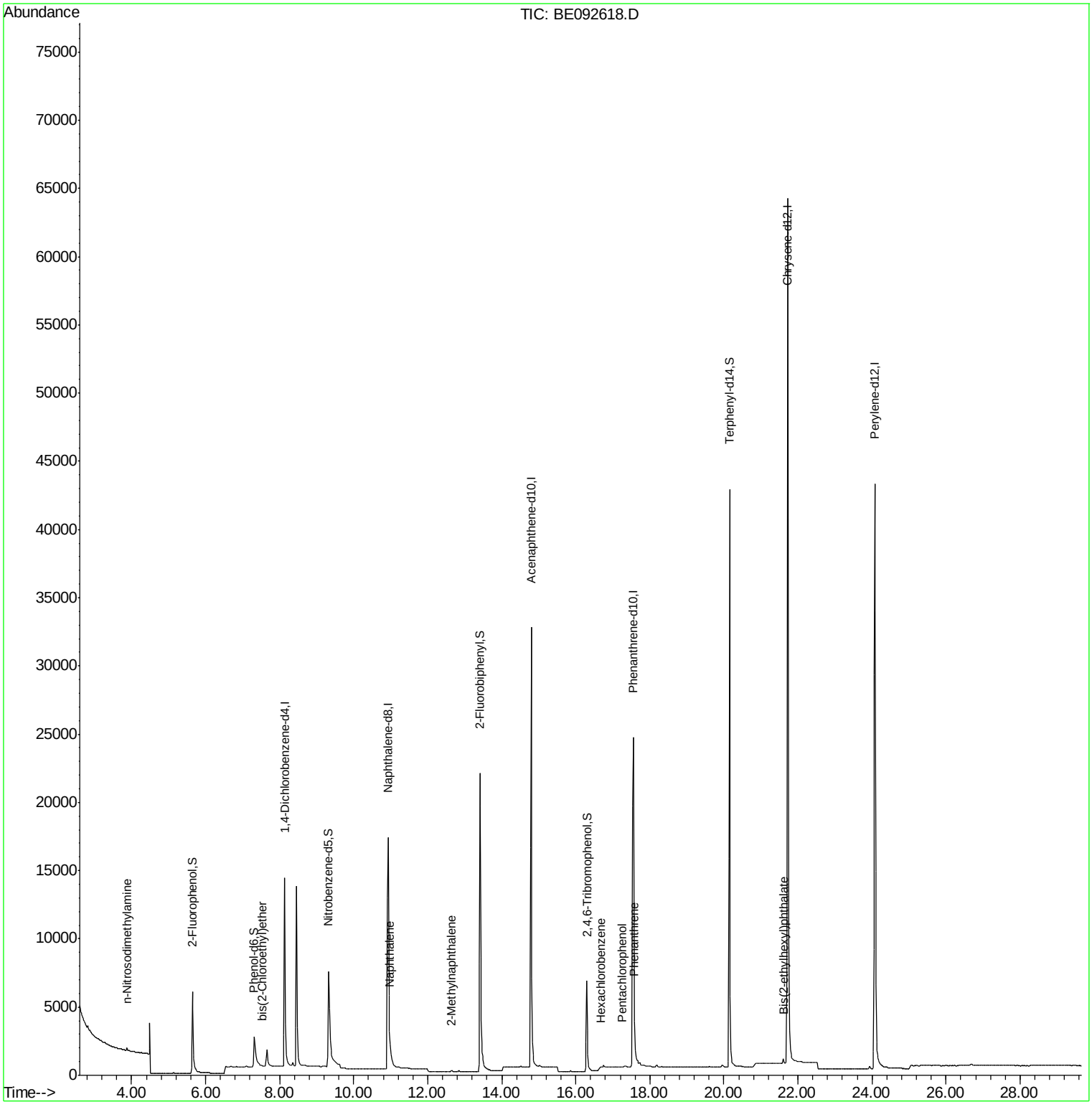
(#) = qualifier out of range (m) = manual integration (+) = signals summed

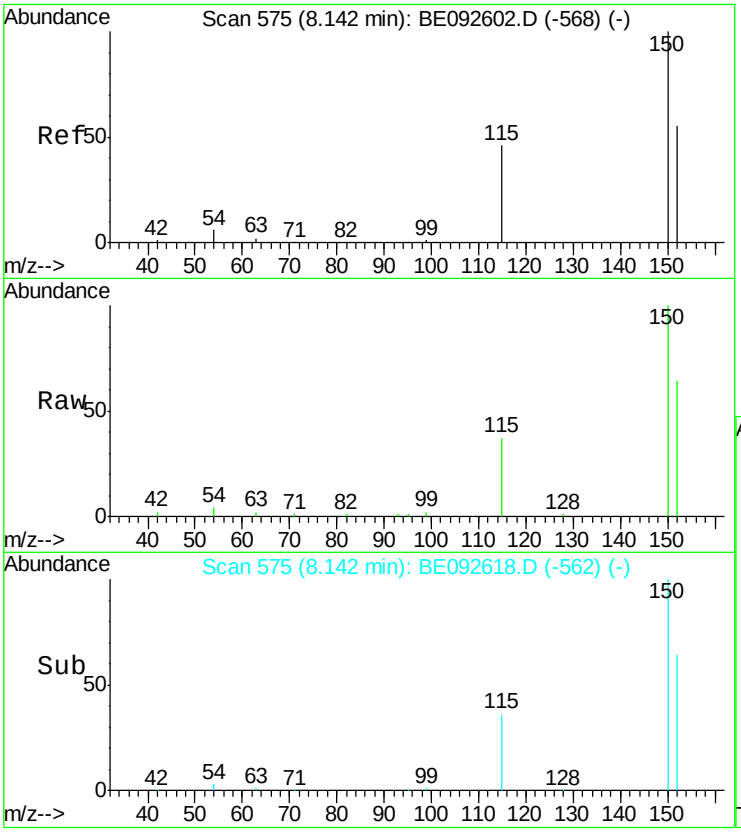
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092618.D
Acq On : 27 Dec 2016 11:51
Operator : UM/SJ
Sample : H6210-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Quant Time: Dec 28 01:24:10 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration



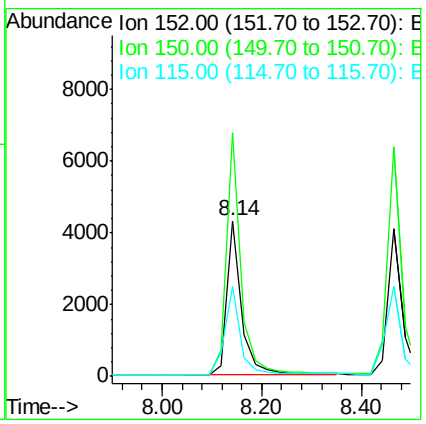


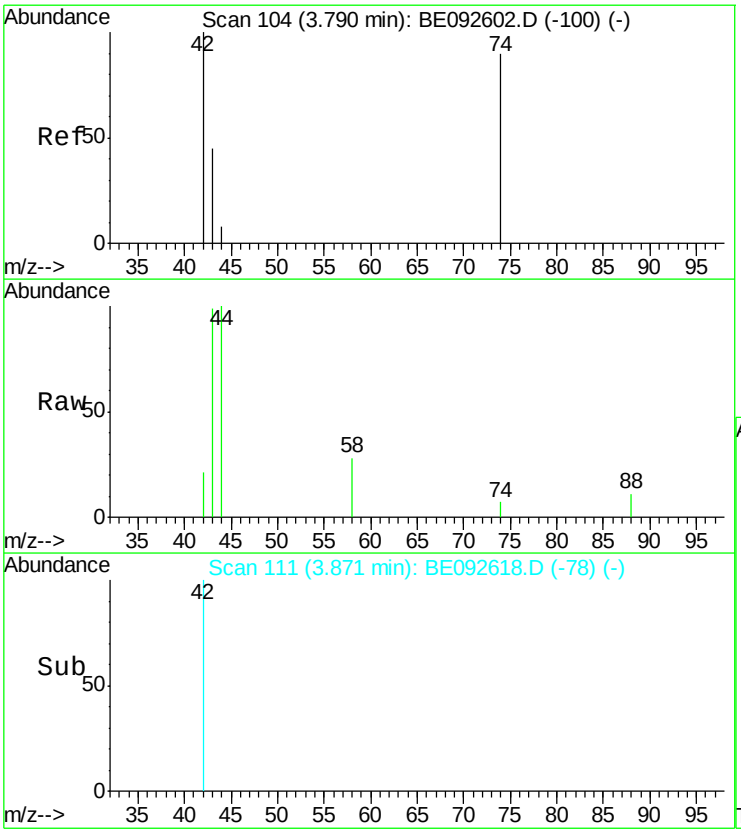

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:152 Resp: 8747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 106.0 | 159.0 |
| 115 | 57.7 | 31.2 | 46.8# |

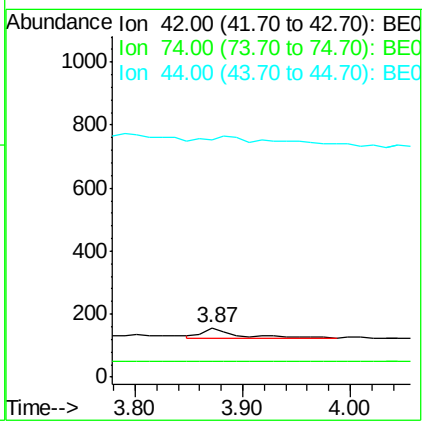


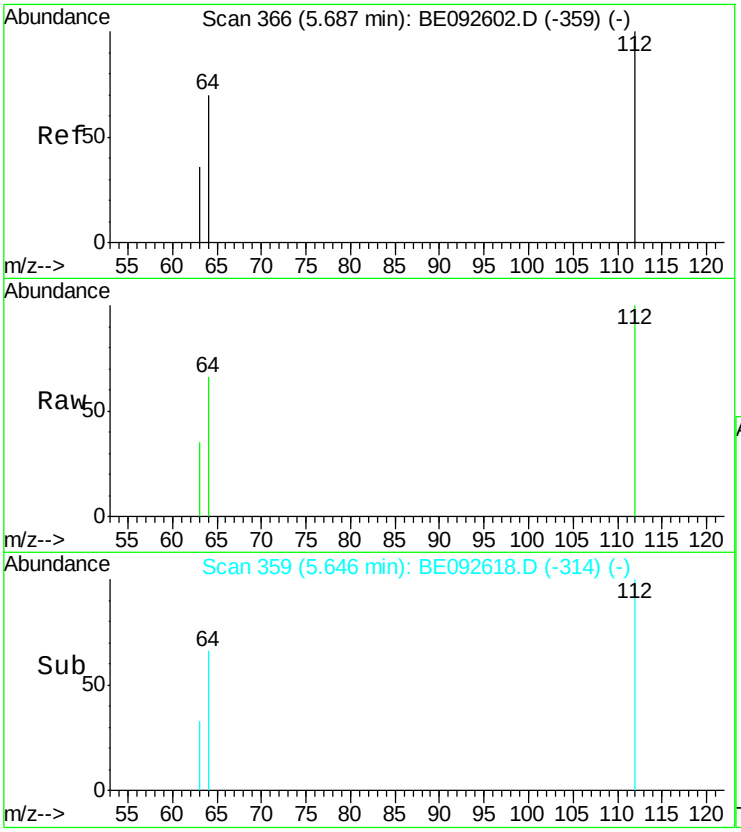




#3
n-Nitrosodimethylamine
Concen: 0.24 ng
RT: 3.87 min Scan# 111
Delta R.T. 0.08 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion: 42 Resp: 66

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 86.0 | 129.0# |
| 44 | 0.0 | 5.1 | 7.7# |



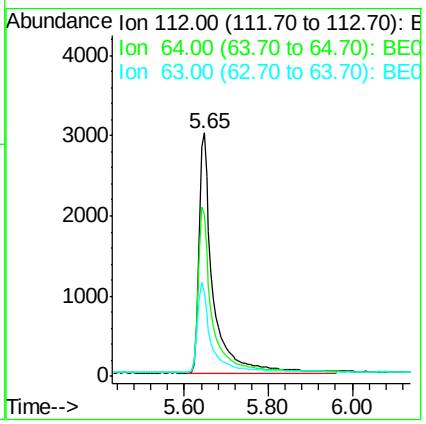


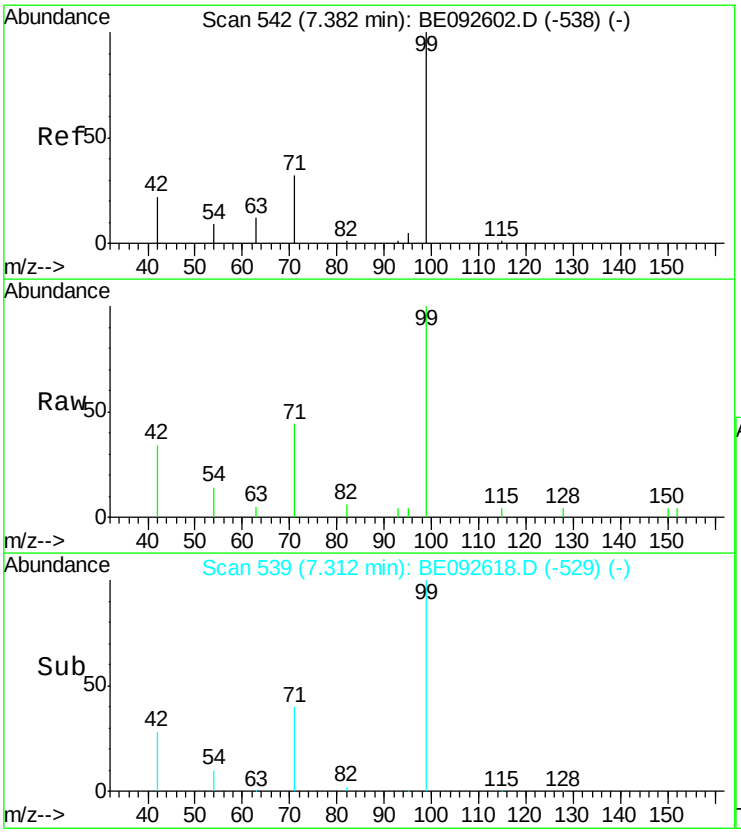

#4
2-Fluorophenol
Concen: 4.23 ng
RT: 5.65 min Scan# 359
Delta R.T. -0.04 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:112 Resp: 7049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.7 | 53.5 | 80.3 |
| 63 | 37.4 | 27.9 | 41.9 |

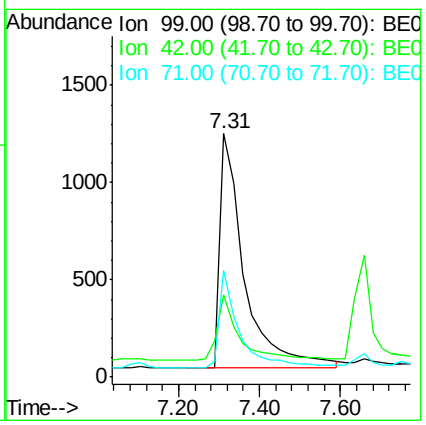


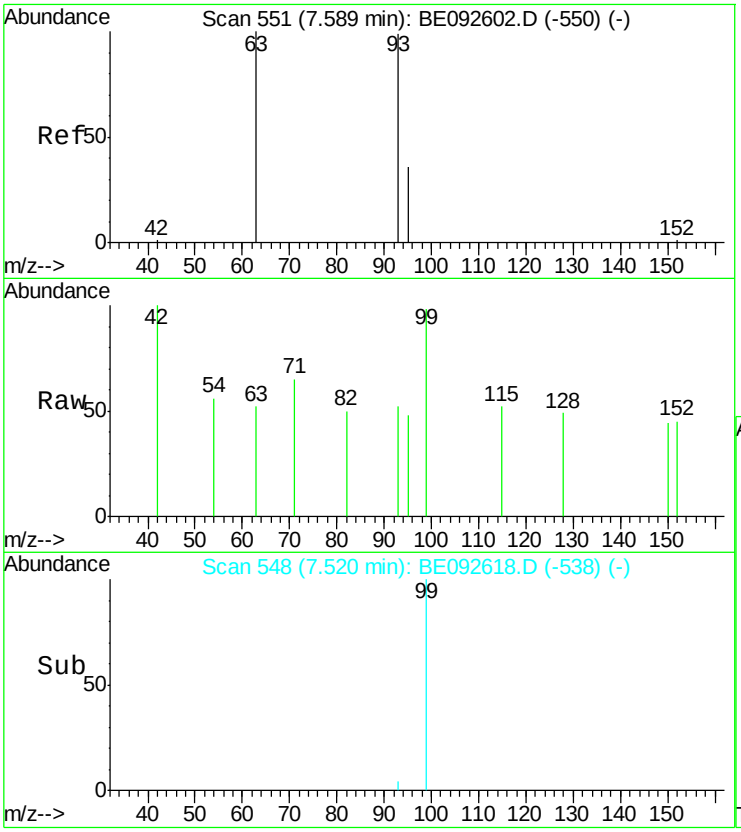




#5
Phenol-d6
Concen: 2.09 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion: 99 Resp: 5043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.9 | 16.0 | 24.0# |
| 71 | 34.2 | 30.6 | 45.8 |



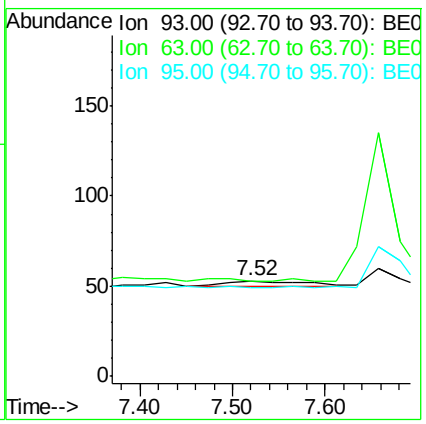


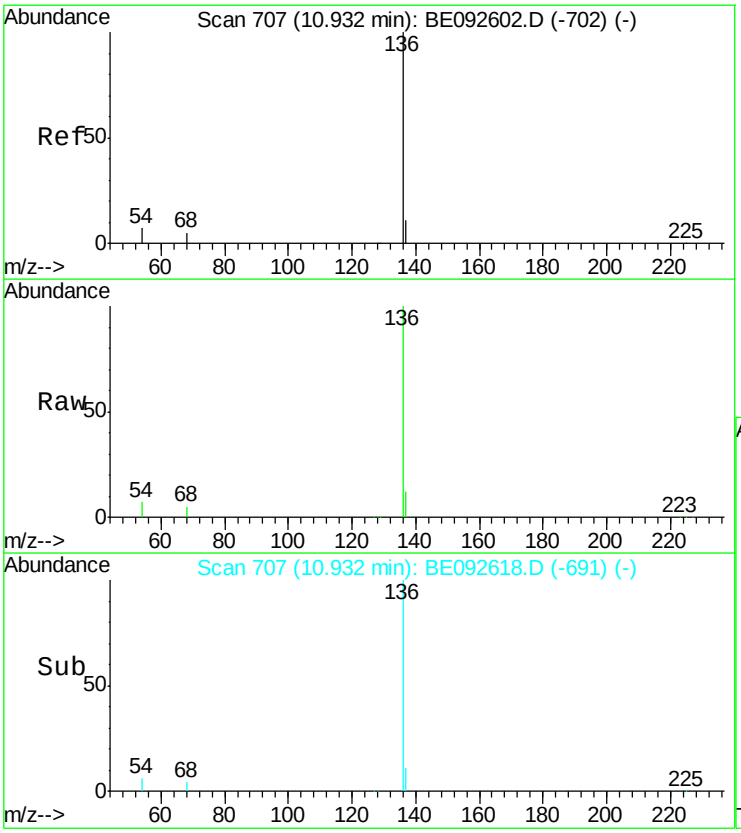

#6
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 7.52 min Scan# 548
Delta R.T. -0.07 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion: 93 Resp: 18

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 0.0 | 71.6 | 107.4# |
| 95 | 0.0 | 24.0 | 36.0# |

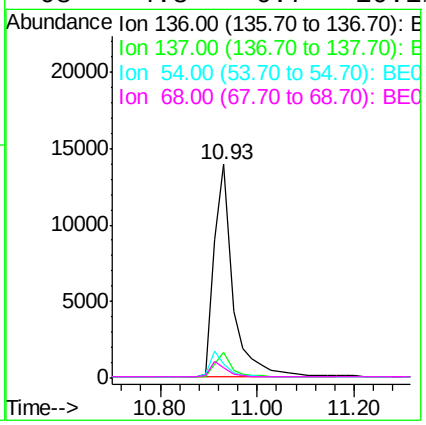


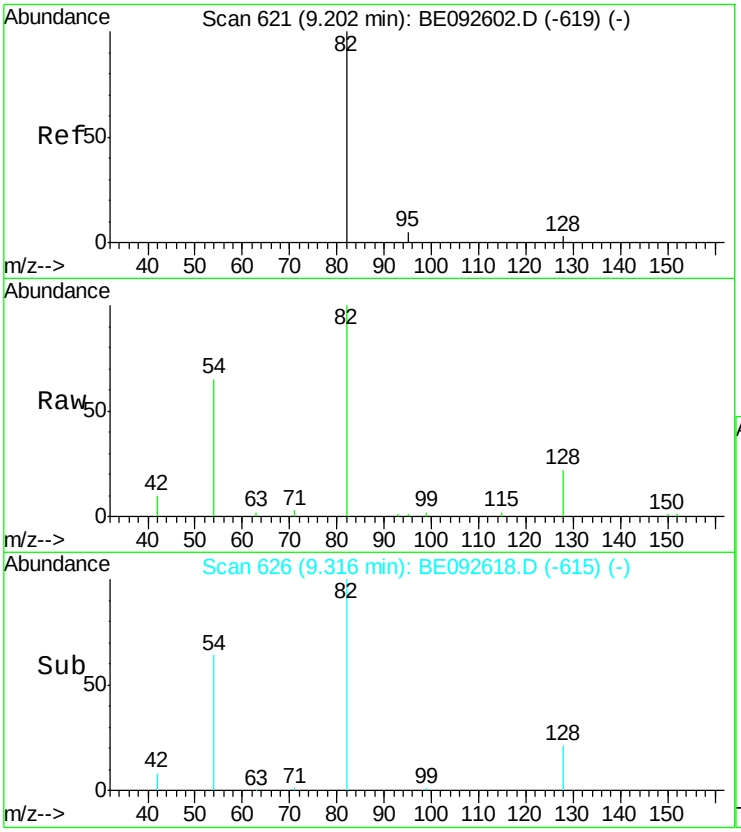




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:136 Resp: 38024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.8 | 8.2 | 12.4 |
| 54 | 6.5 | 9.6 | 14.4# |
| 68 | 4.8 | 6.7 | 10.1# |



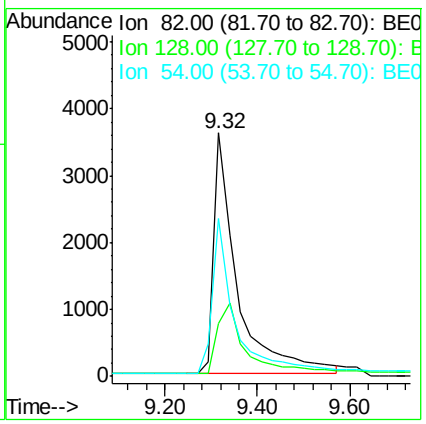


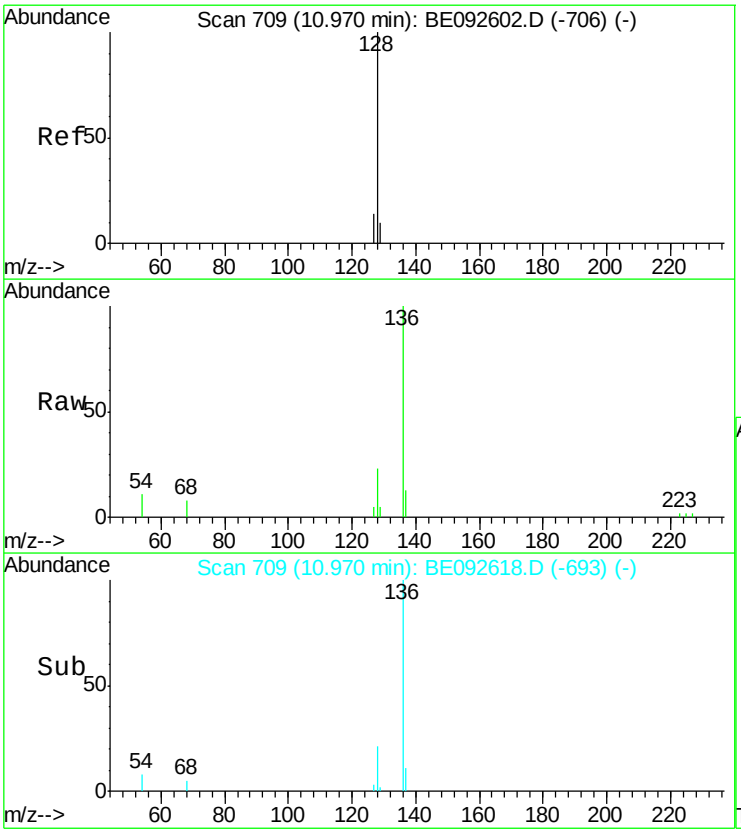

#8
Nitrobenzene-d5
Concen: 4.76 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion: 82 Resp: 12499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 21.6 | 39.0 | 58.4# |
| 54 | 64.8 | 44.8 | 67.2 |

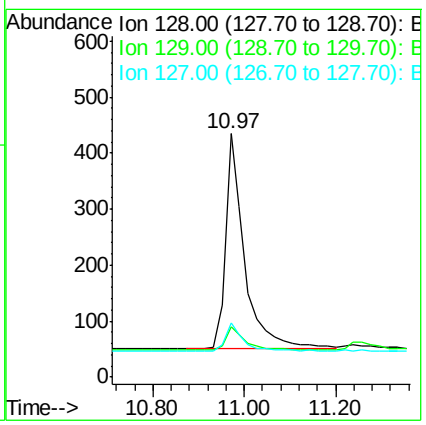


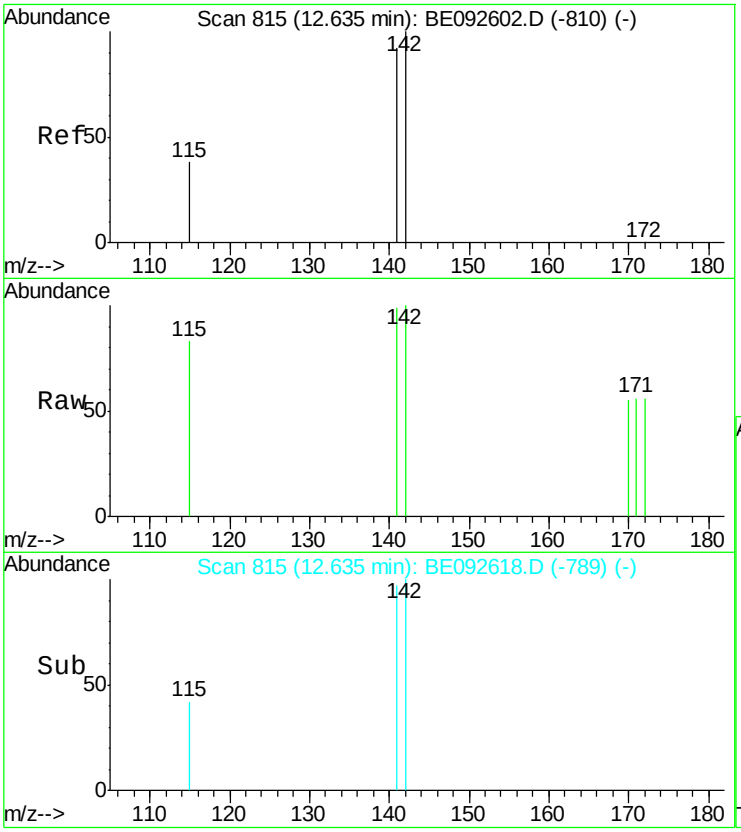




#9
Naphthalene
Concen: 0.14 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:128 Resp: 1121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 20.5 | 11.2 | 16.8# |
| 127 | 22.1 | 11.6 | 17.4# |



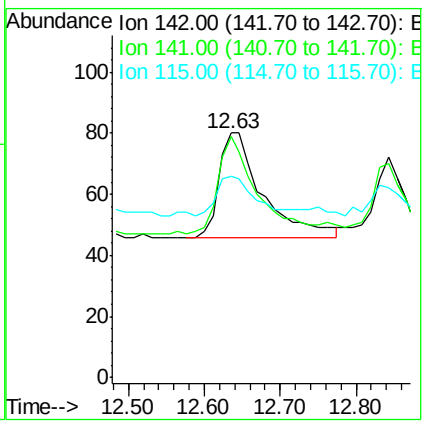


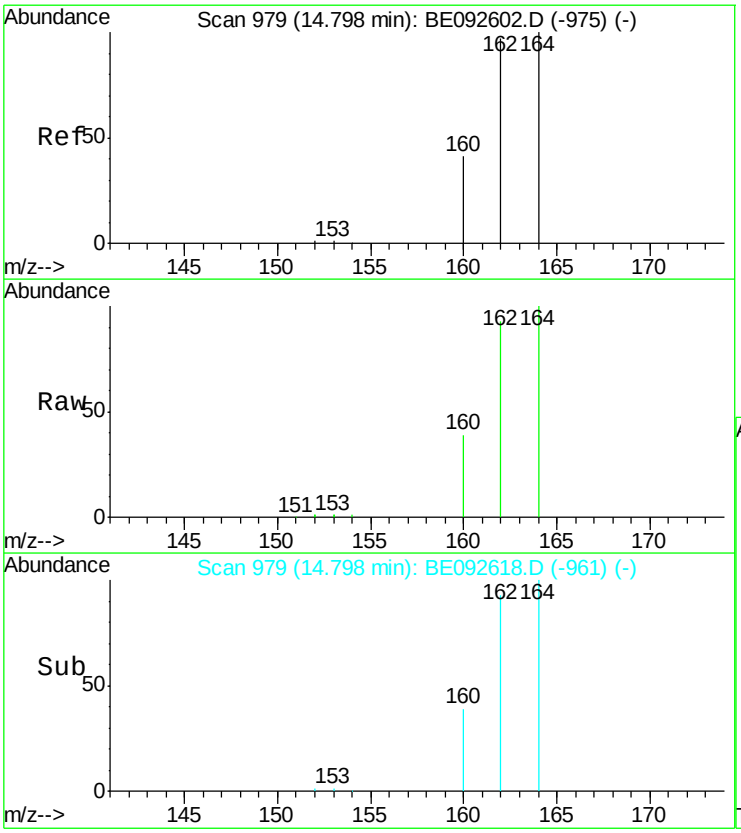

#11
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.63 min Scan# 815
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:142 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.8 | 73.7 | 110.5 |
| 115 | 82.5 | 34.0 | 51.0# |

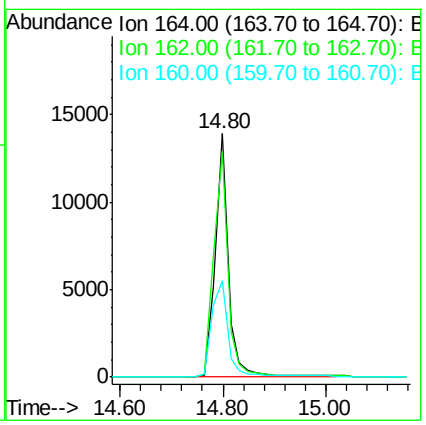


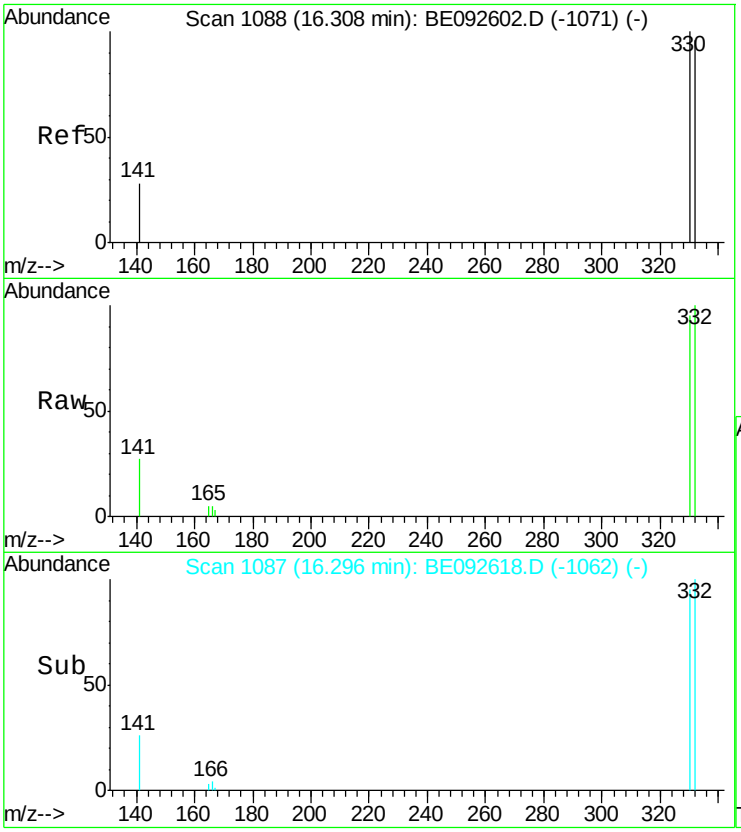




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:164 Resp: 24298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 92.8 | 71.4 | 107.0 |
| 160 | 39.4 | 27.4 | 41.2 |



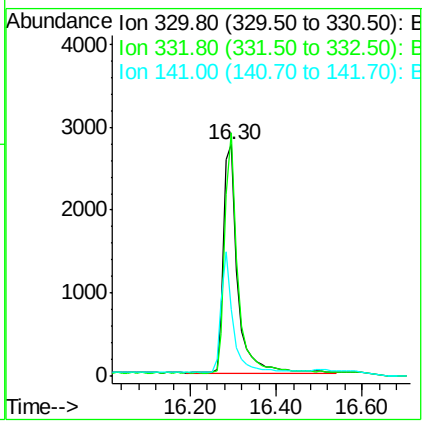


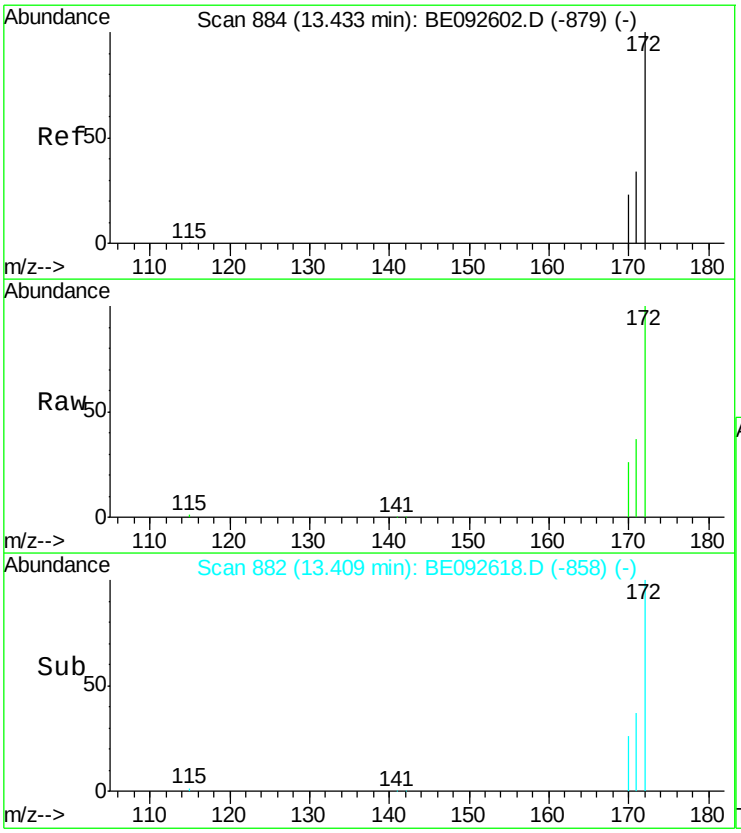

#13
2,4,6-Tribromophenol
Concen: 8.80 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:330 Resp: 6186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 75.4 | 113.0 |
| 141 | 46.0 | 31.0 | 46.6 |

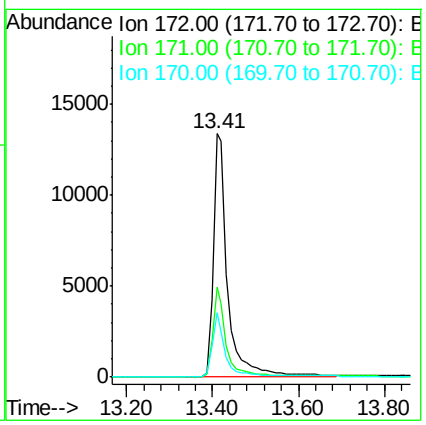


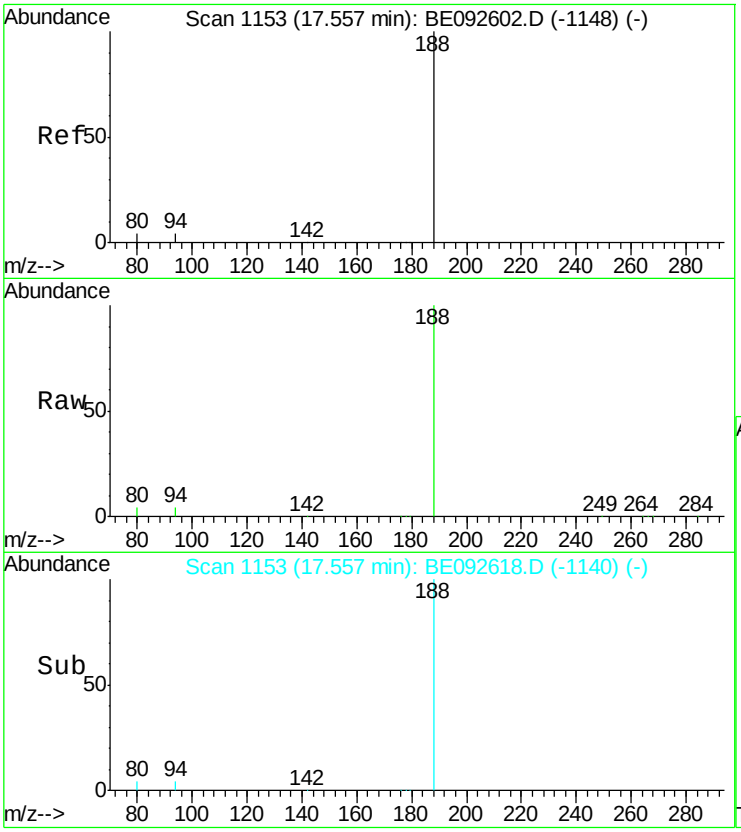




#14
2-Fluorobiphenyl
Concen: 5.41 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:172 Resp: 31422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.0 | 30.1 | 45.1 |
| 170 | 26.5 | 21.8 | 32.6 |



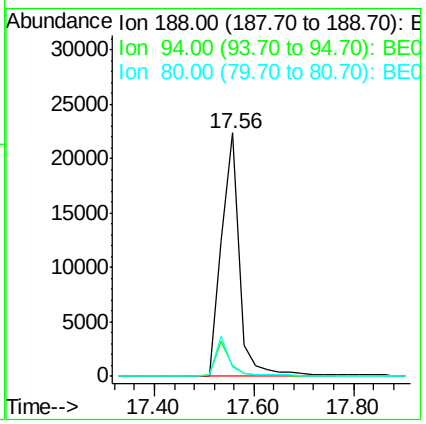


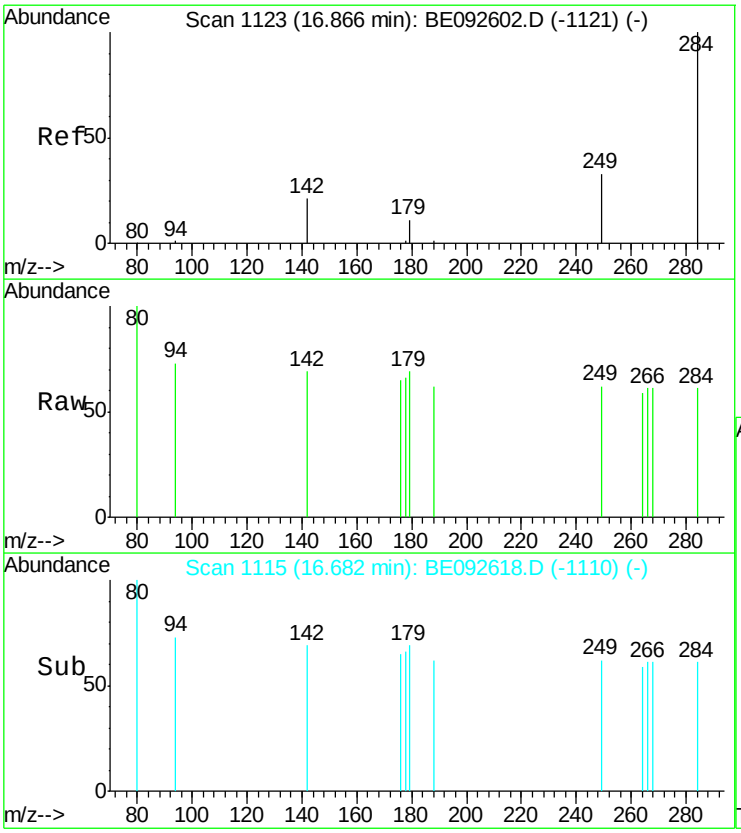

#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:188 Resp: 55686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.3 | 3.2 | 4.8 |
| 80 | 3.9 | 2.6 | 3.8# |

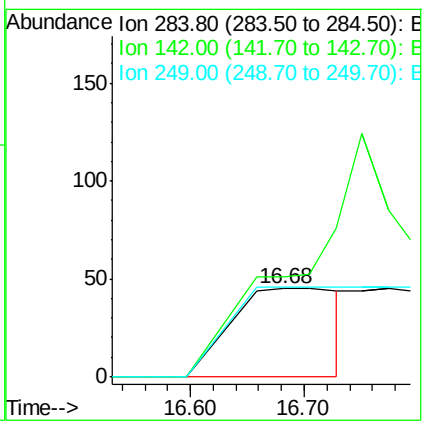


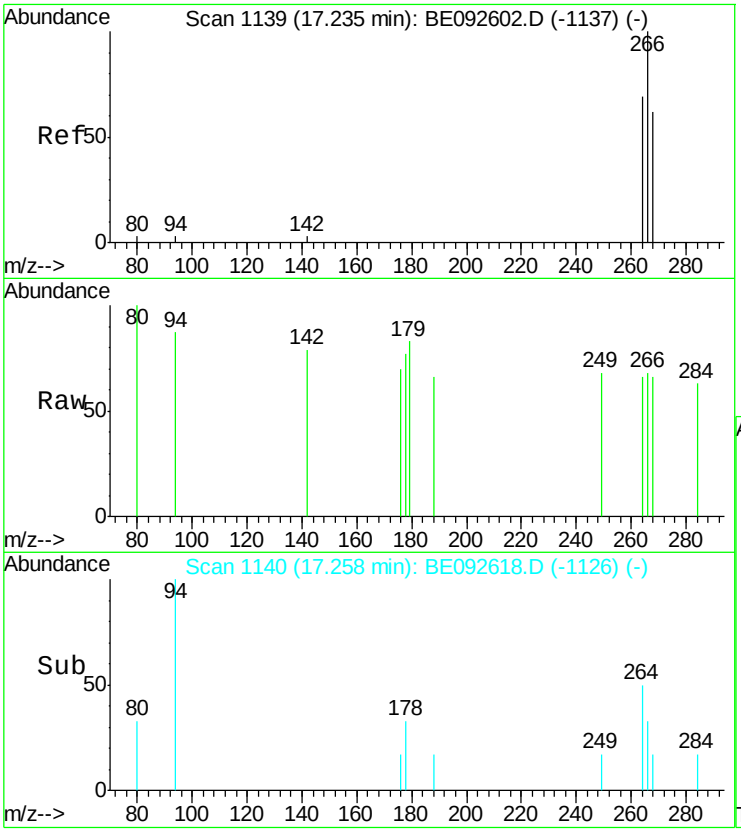




#19
Hexachlorobenzene
Concen: 0.15 ng
RT: 16.68 min Scan# 1115
Delta R.T. -0.18 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:284 Resp: 350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 0.0 | 29.1 | 43.7# |
| 249 | 0.0 | 27.9 | 41.9# |



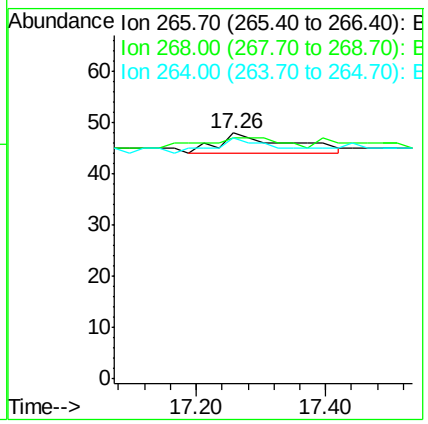


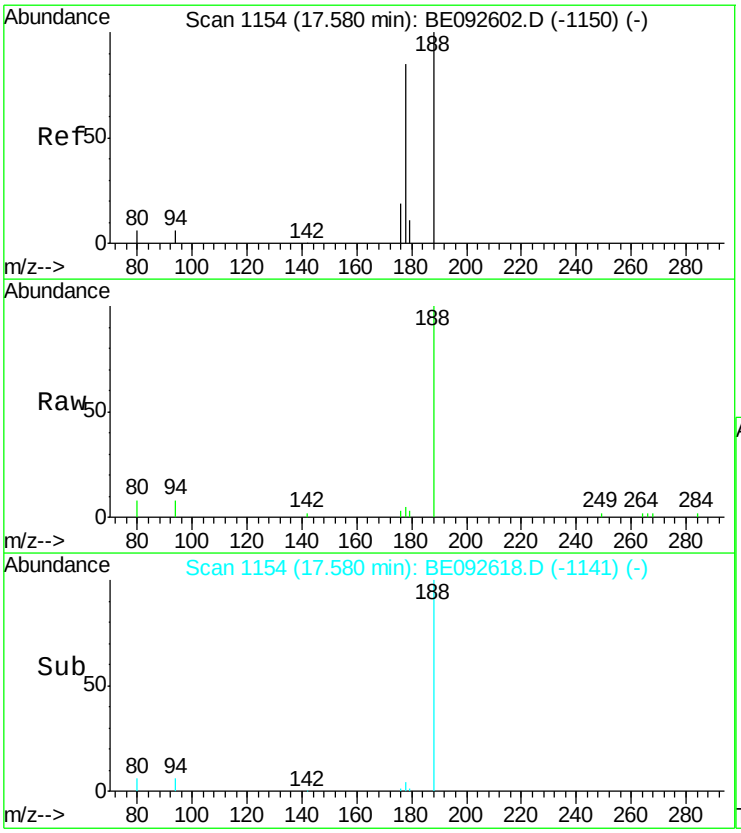

#20
Pentachlorophenol
Concen: 0.08 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:266 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 97.9 | 62.5 | 93.7# |
| 264 | 97.9 | 57.2 | 85.8# |

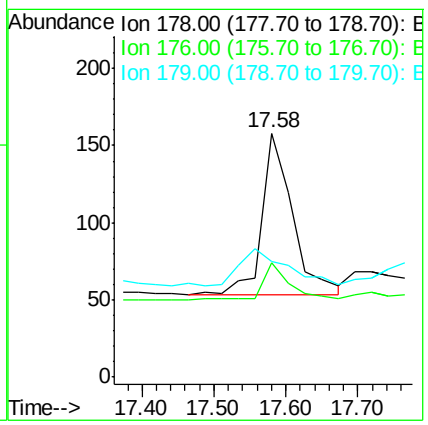


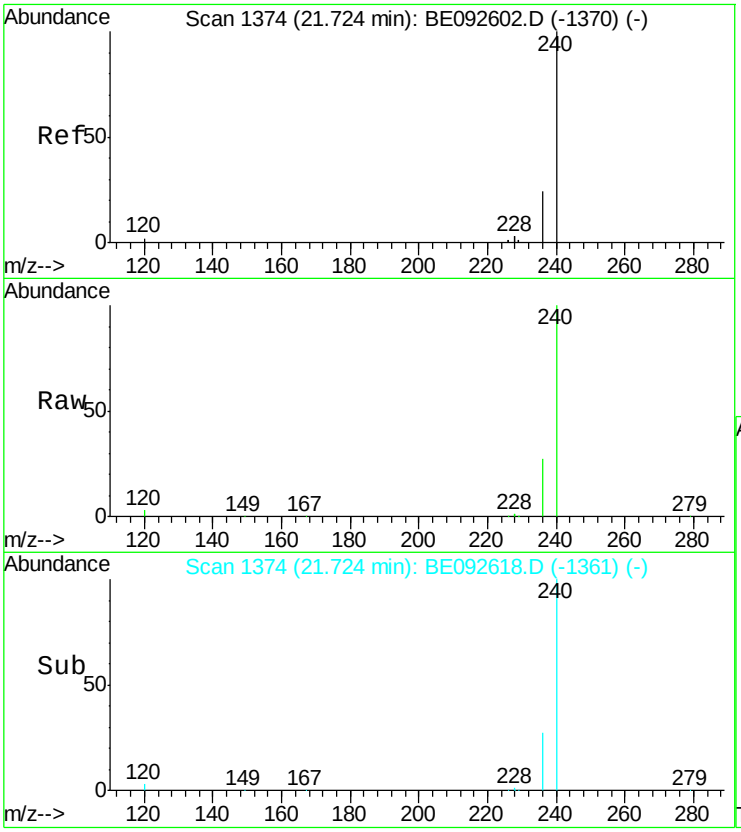




#21
Phenanthrene
Concen: 0.02 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:178 Resp: 312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.5 | 15.8 | 23.8 |
| 179 | 0.0 | 16.0 | 24.0# |



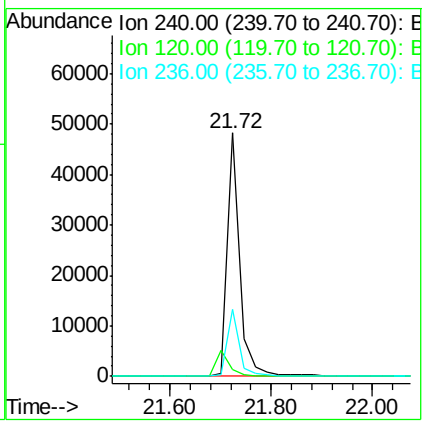


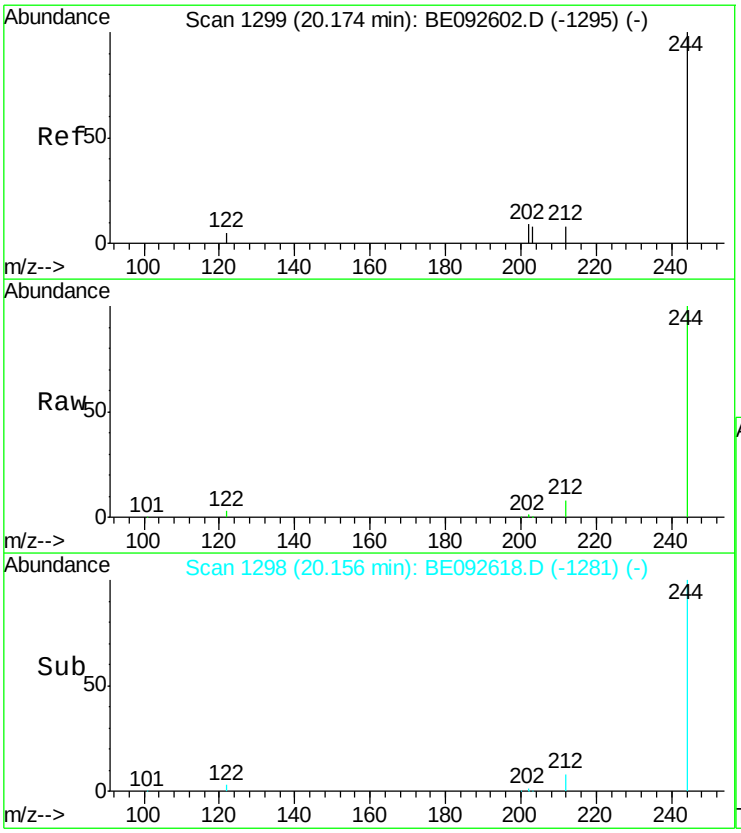

#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:240 Resp: 81584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 3.0 | 2.6 | 4.0 |
| 236 | 27.4 | 24.6 | 37.0 |

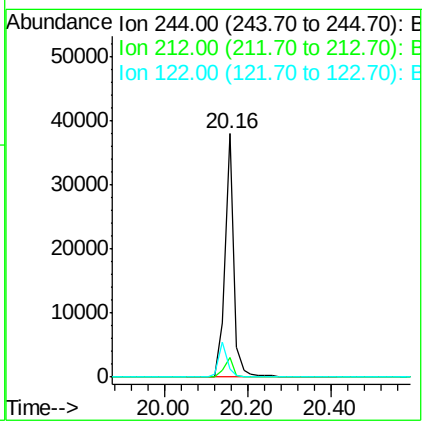


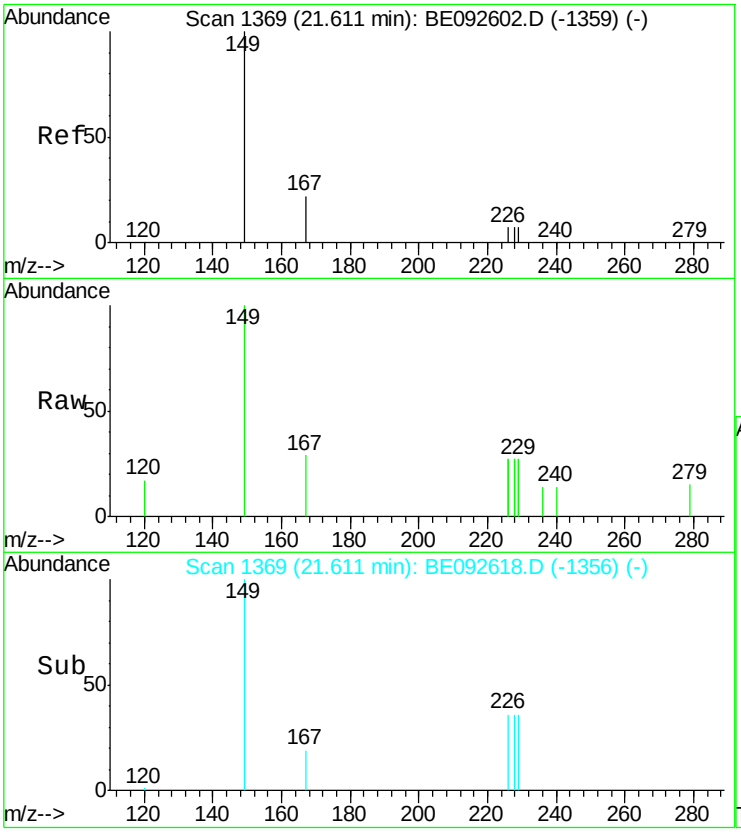




#26
Terphenyl-d14
Concen: 5.48 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:244 Resp: 54830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 6.7 | 10.1 |
| 122 | 3.2 | 3.6 | 5.4# |



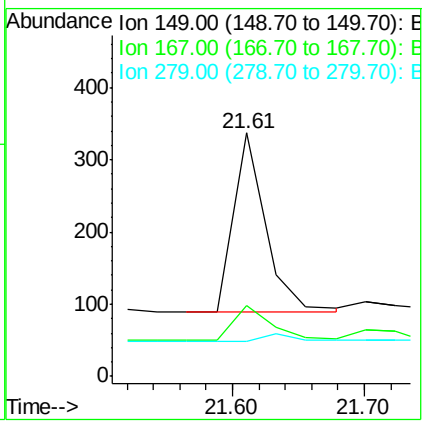


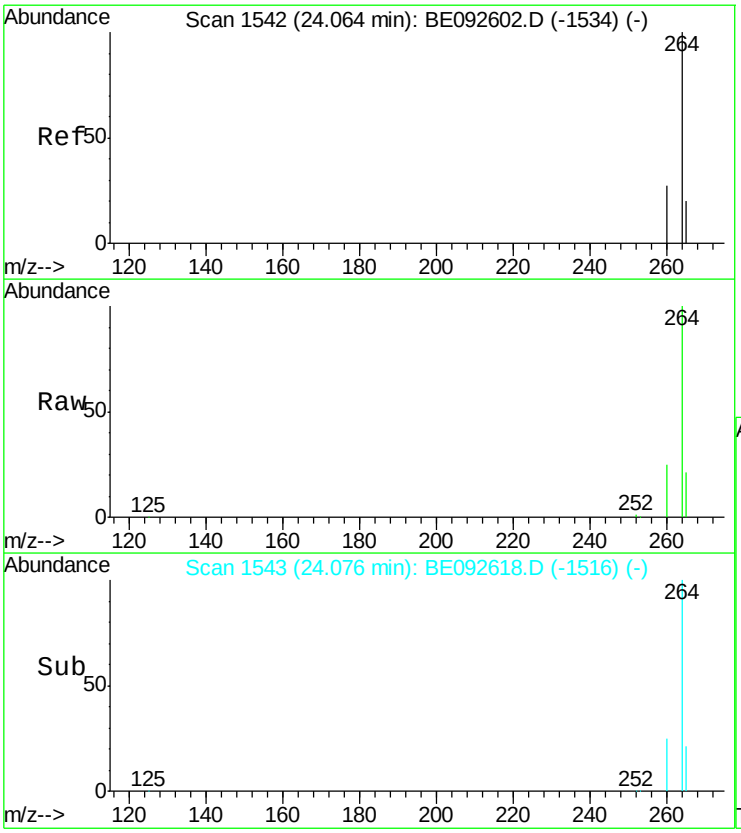

#29
Bis(2-ethylhexyl)phthalate
Concen: 0.12 ng
RT: 21.61 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

**Instrument :**
BNA_E
**ClientSampleId :**
OUTFALL001-161220

Tgt Ion:149 Resp: 424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 22.2 | 16.0 | 24.0 |
| 279 | 0.0 | 16.0 | 24.0# |




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BE092618.D
Acq: 27 Dec 2016 11:51

Tgt Ion:264 Resp: 69897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.4 | 20.1 | 30.1 |
| 265 | 21.5 | 17.9 | 26.9 |