Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
Data File : BE100316.D
Acq On : 2 Jul 2019 23:28
Operator : JU/SJ
Sample : K3446-09DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PST-008-B036-061819DL

Quant Time: Jul 03 02:15:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 794 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.43 | 136 | 2767 | 0.40 | ng | | -0.01 |
| 13) Acenaphthene-d10 | 14.31 | 164 | 2193 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.07 | 188 | 6030 | 0.40 | ng | | 0.01 |
| 27) Chrysene-d12 | 21.25 | 240 | 7715 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.68 | 264 | 9111 | 0.40 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.23 | 112 | 145 | 0.07 | ng | | 0.01 |
| 5) Phenol-d6 | 6.84 | 99 | 168 | 0.06 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.82 | 82 | 181 | 0.07 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 437 | 0.08 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.82 | 330 | 102 | 0.07 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.94 | 172 | 595 | 0.07 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.10 | 212 | 6472 | 0.07 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.70 | 244 | 1177 | 0.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 23) Phenanthrene | 17.11 | 178 | 91867 | 6.286 | ng | | 100 |
| 26) Fluoranthene | 19.13 | 202 | 141948 | 6.098 | ng | | 99 |
| 28) Pyrene | 19.49 | 202 | 118840 | 5.818 | ng | # | 95 |
| 30) Benzo(a)anthracene | 21.23 | 228 | 78617 | 3.099 | ng | | 97 |
| 31) Chrysene | 21.28 | 228 | 60090 | 2.359 | ng | | 96 |
| 35) Benzo(b)fluoranthene | 22.93 | 252 | 73774 | 2.987 | ng | # | 97 |
| 36) Benzo(k)fluoranthene | 22.93 | 252 | 73774 | 2.676 | ng | | 97 |

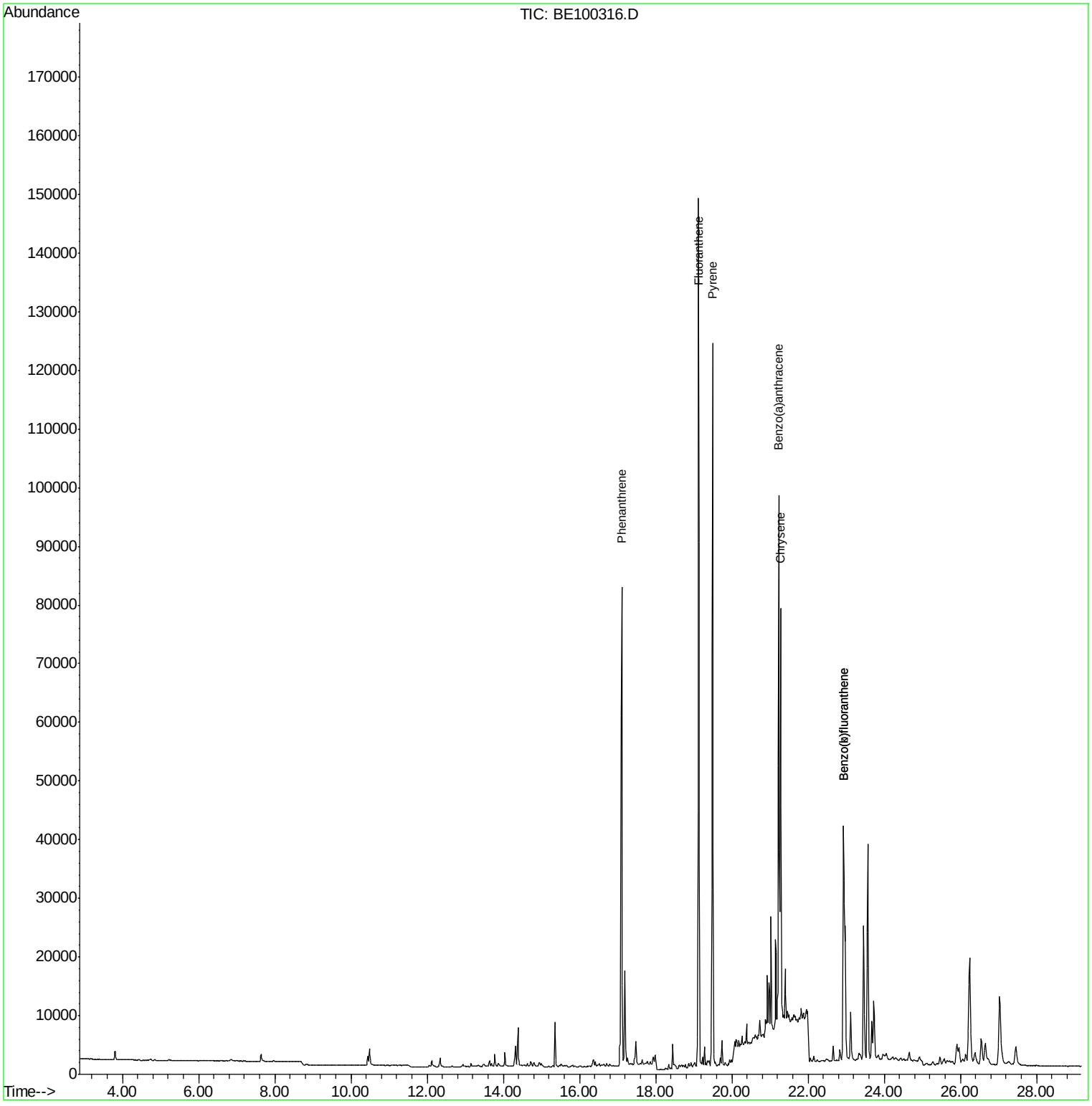
(#) = qualifier out of range (m) = manual integration (+) = signals summed

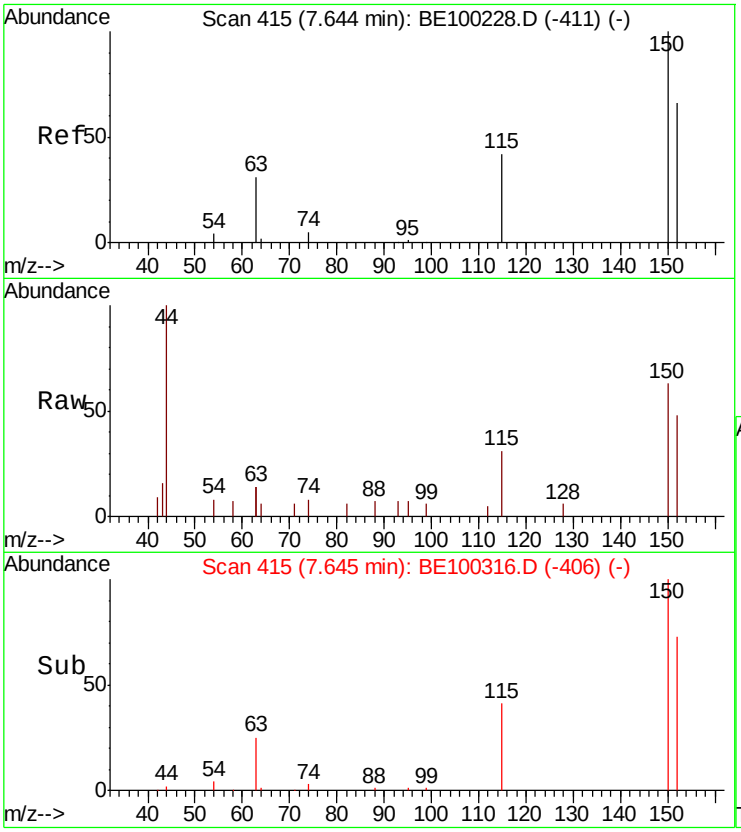
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
Data File : BE100316.D
Acq On : 2 Jul 2019 23:28
Operator : JU/SJ
Sample : K3446-09DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Quant Time: Jul 03 02:15:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration



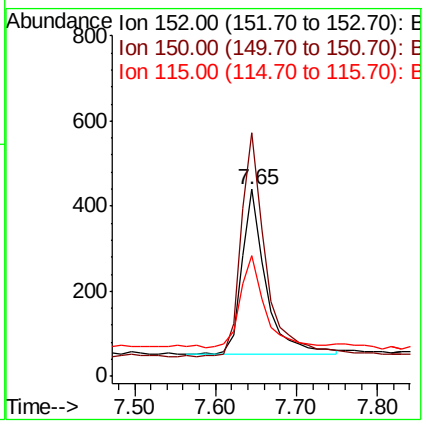


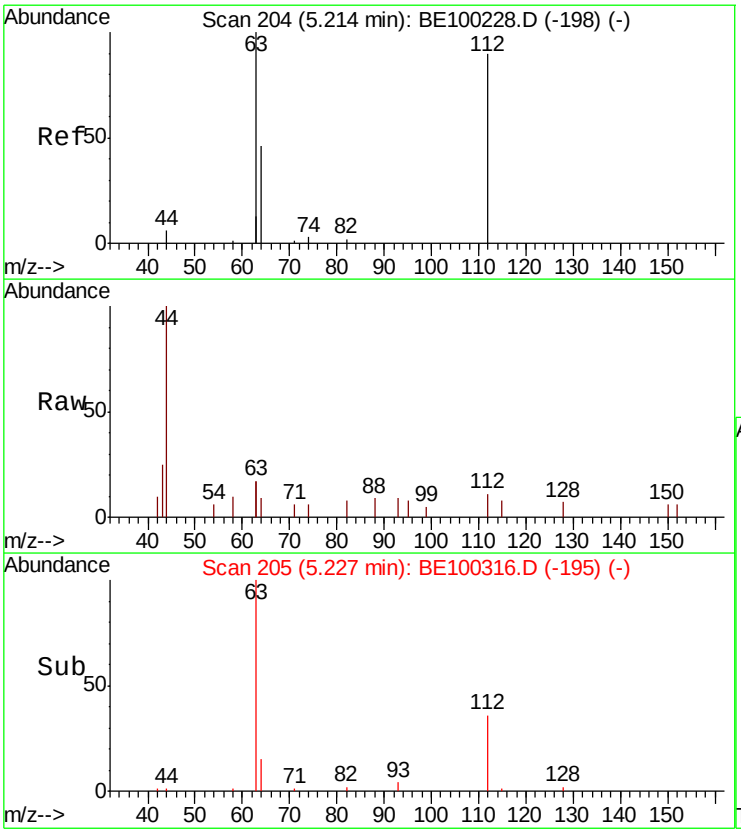

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:152 Resp: 794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 130.0 | 114.5 | 171.7 |
| 115 | 64.3 | 57.1 | 85.7 |

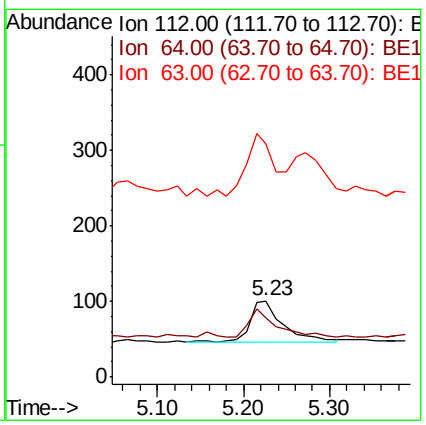


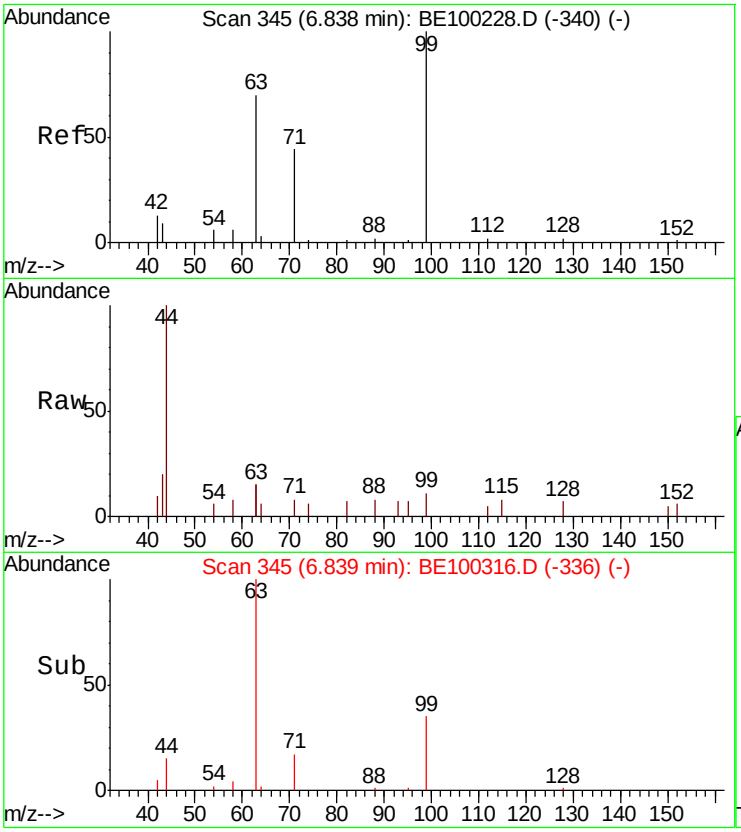




#4
2-Fluorophenol
Concen: 0.072 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:112 Resp: 145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.1 | 39.4 | 59.0# |
| 63 | 131.7 | 104.5 | 156.7 |



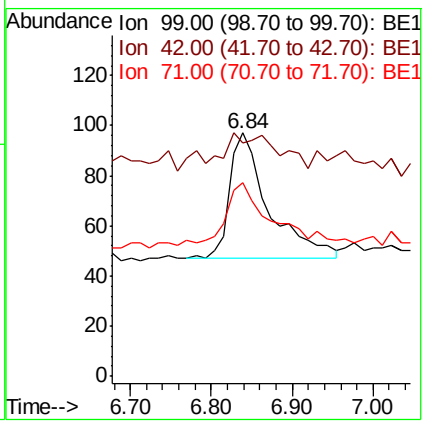


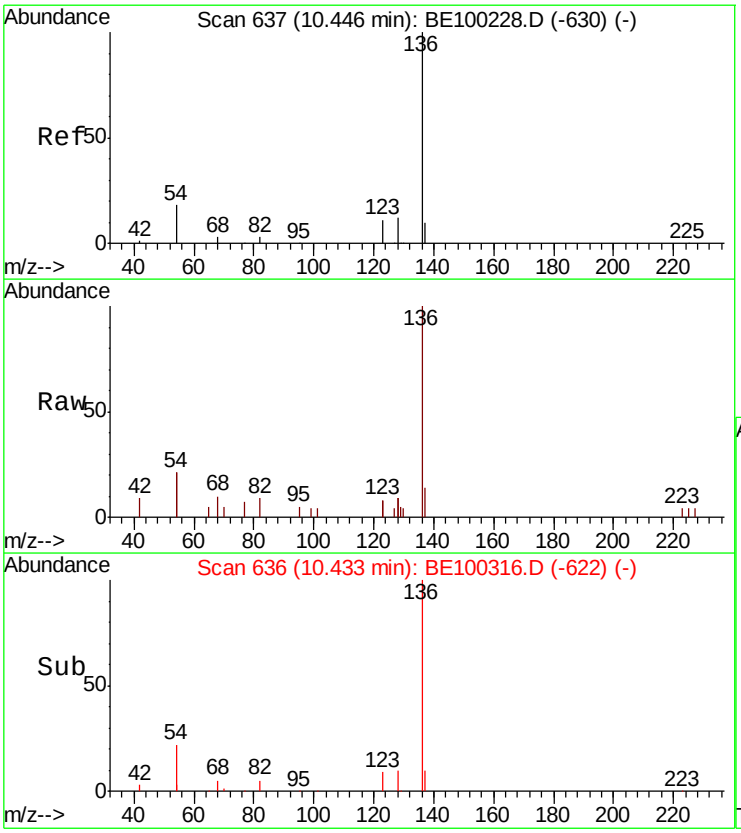

#5
Phenol-d6
Concen: 0.063 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion: 99 Resp: 168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 41.7 | 11.2 | 16.8# |
| 71 | 60.7 | 37.2 | 55.8# |

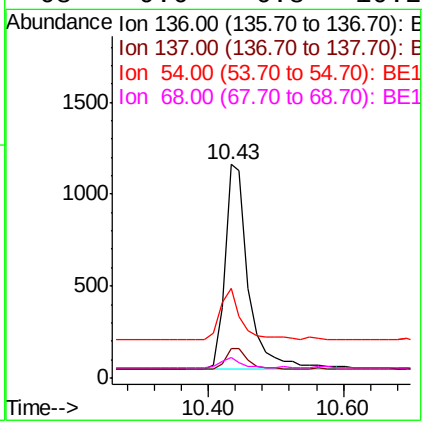


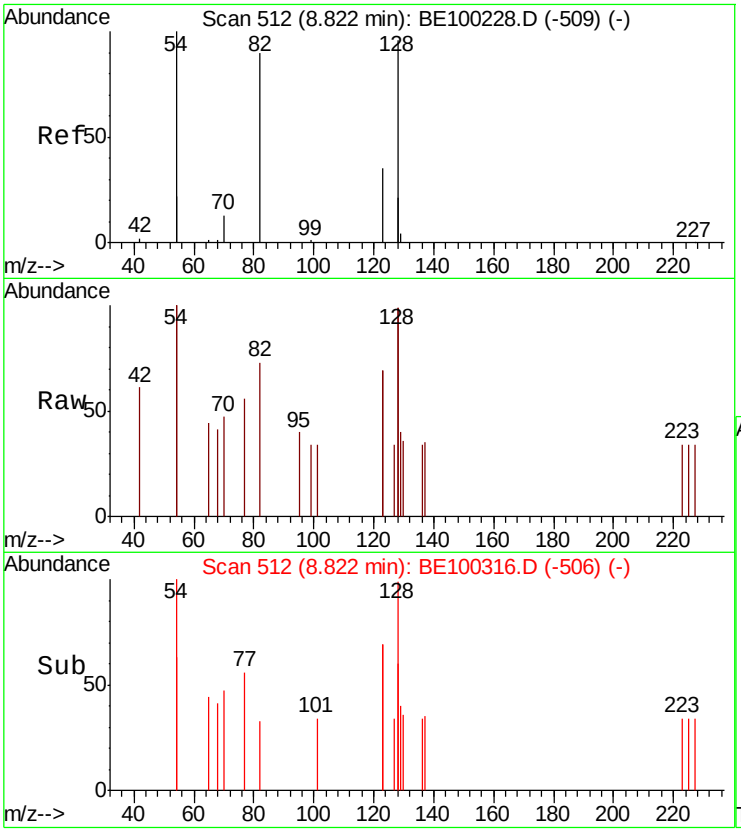




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:136 Resp: 2767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 14.0 | 11.8 | 17.8 |
| 54 | 42.0 | 27.7 | 41.5# |
| 68 | 9.6 | 6.8 | 10.2 |



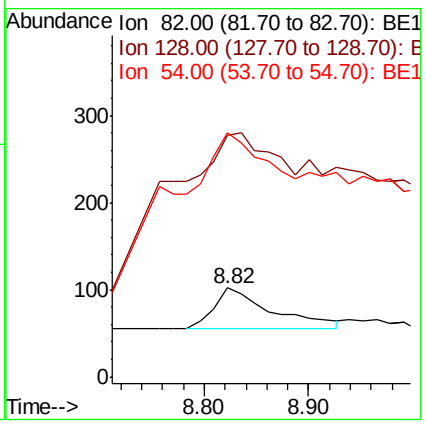


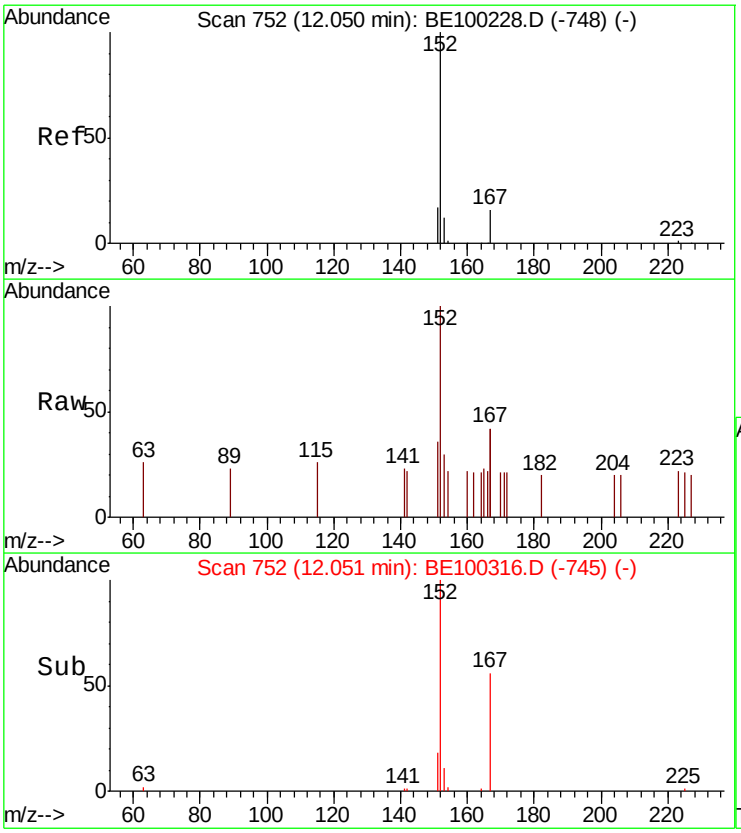

#8
Nitrobenzene-d5
Concen: 0.066 ng
RT: 8.82 min Scan# 512
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion: 82 Resp: 181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 272.5 | 140.9 | 211.3# |
| 54 | 274.5 | 146.2 | 219.2# |

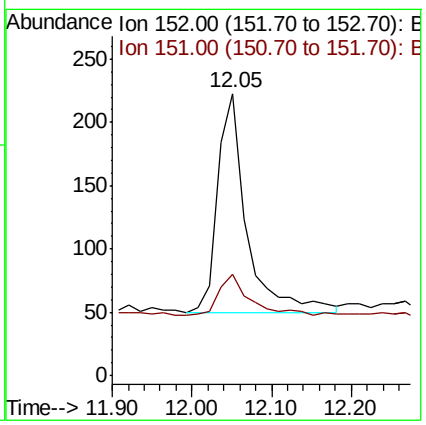


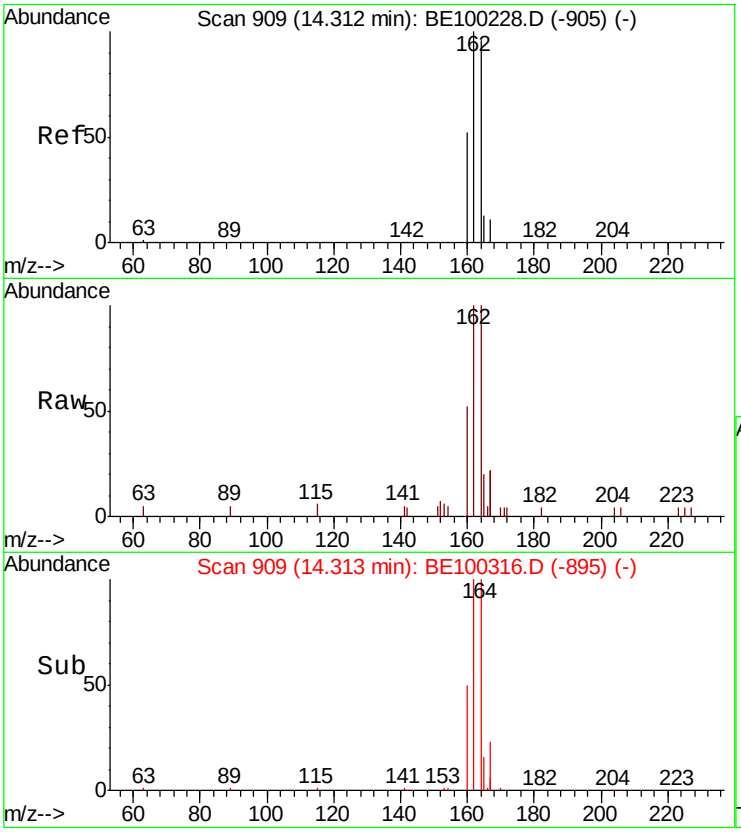




#11
2-Methylnaphthalene-d10
Concen: 0.084 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:152 Resp: 437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.1 | 22.7 |



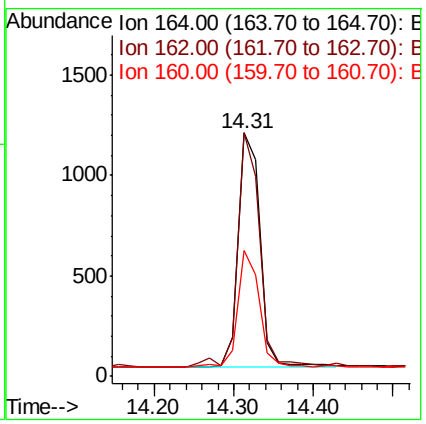


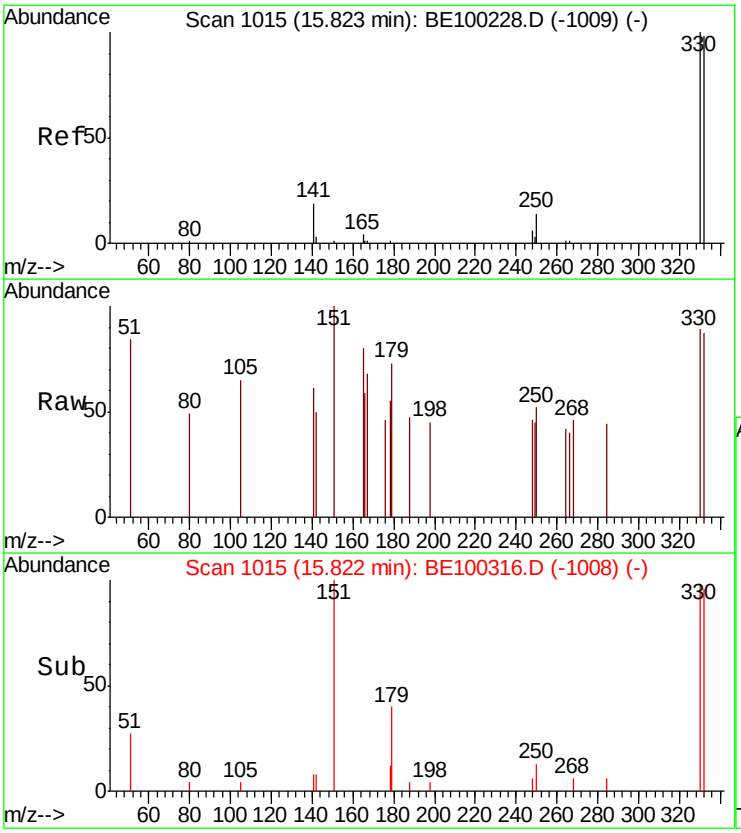

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:164 Resp: 2193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 83.4 | 125.0 |
| 160 | 51.8 | 45.0 | 67.6 |

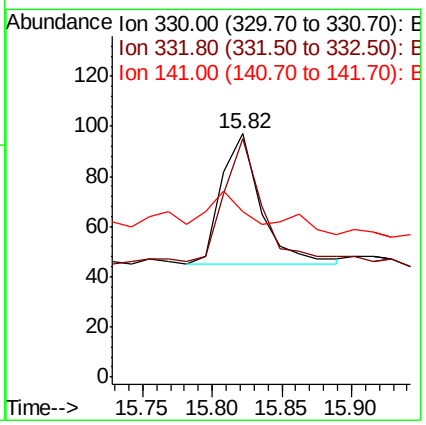


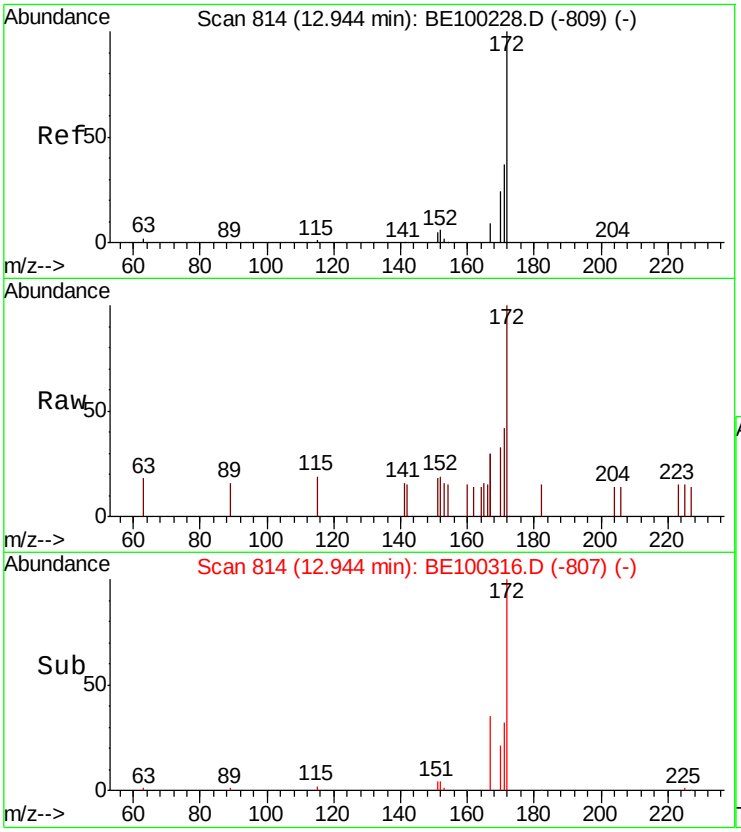




#14
2,4,6-Tribromophenol
Concen: 0.066 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:330 Resp: 102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 100.0 | 77.0 | 115.4 |
| 141 | 52.9 | 22.0 | 33.0# |



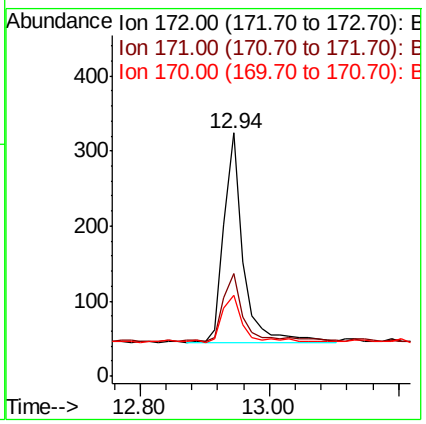


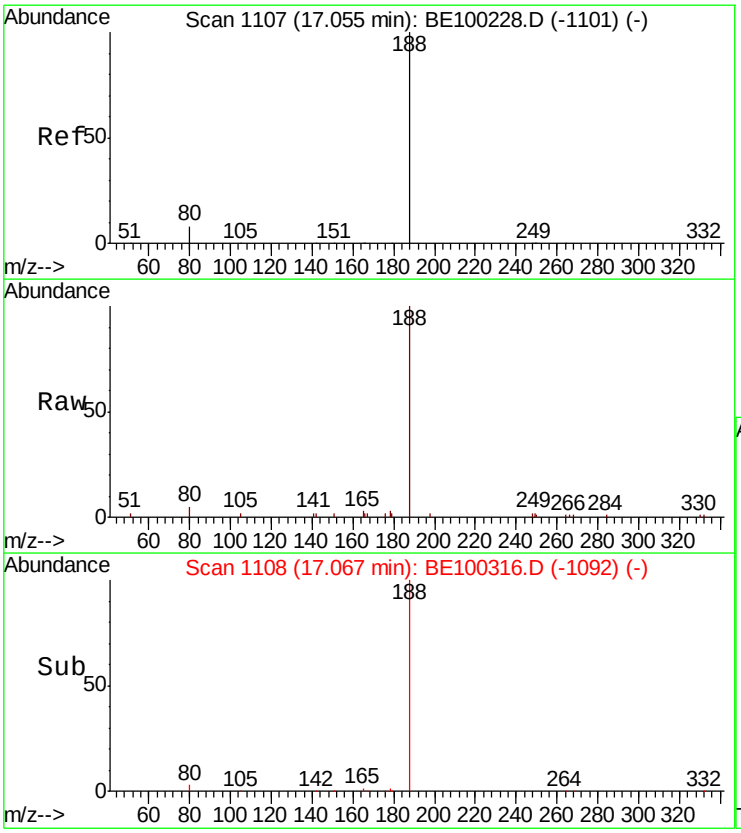

#15
2-Fluorobiphenyl
Concen: 0.070 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:172 Resp: 595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 42.3 | 31.9 | 47.9 |
| 170 | 33.0 | 22.2 | 33.2 |

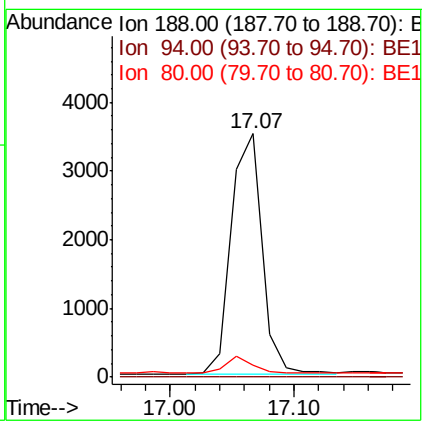


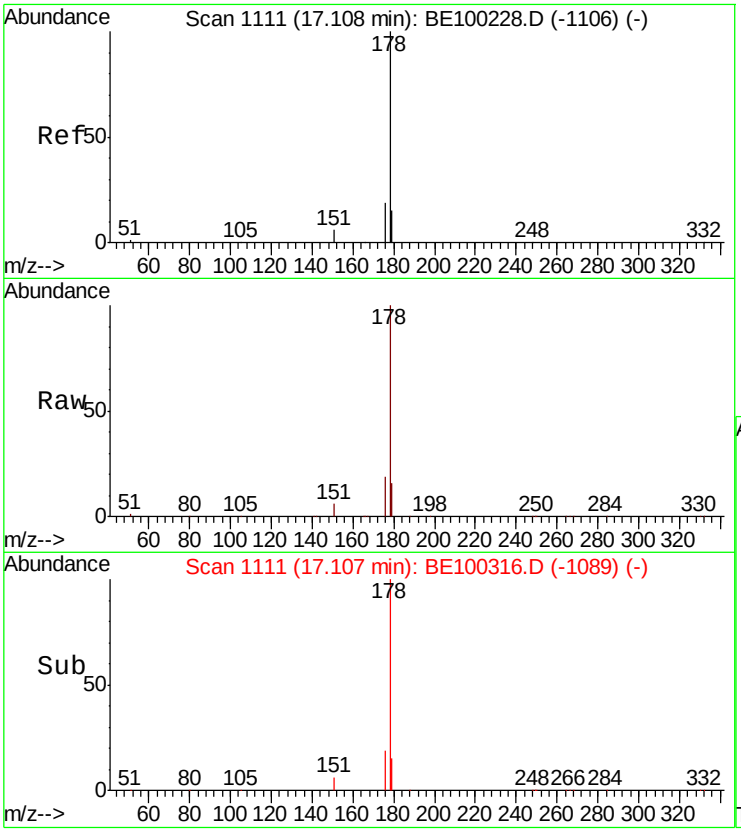




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:188 Resp: 6030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 4.8 | 7.6 | 11.4# |



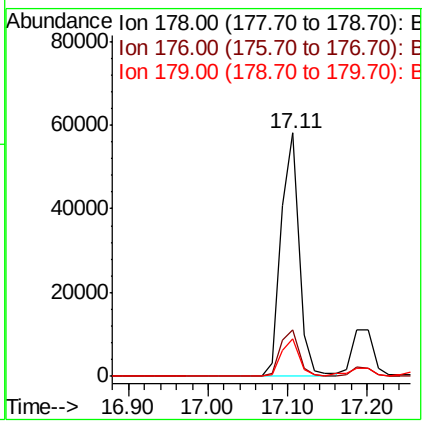


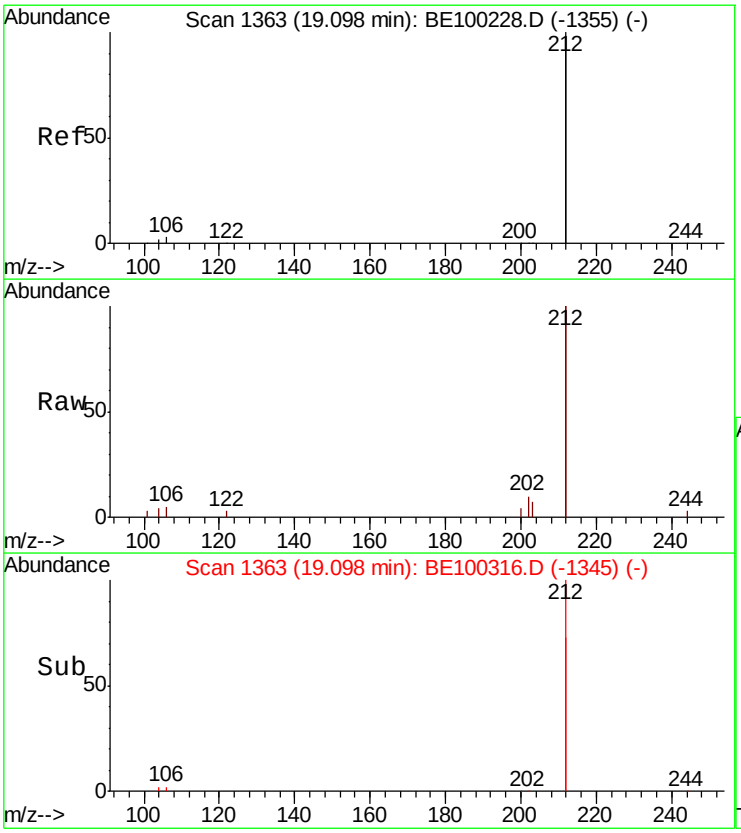

#23
Phenanthrene
Concen: 6.286 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:178 Resp: 91867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.9 | 23.9 |
| 179 | 15.4 | 12.2 | 18.2 |

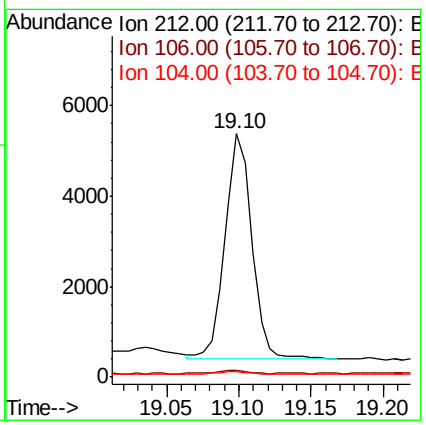


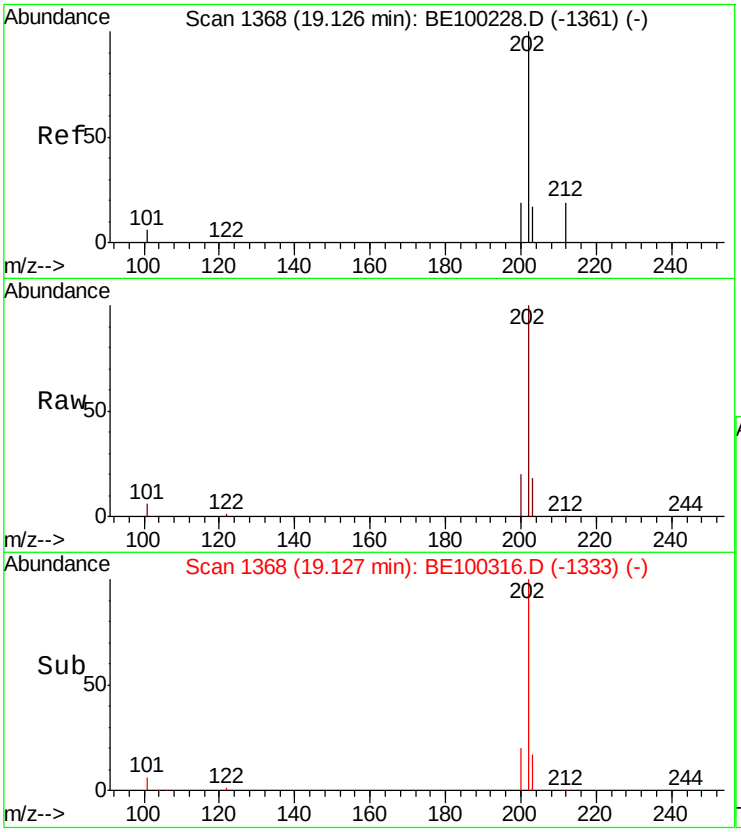




#25
Fluoranthene-d10
Concen: 0.074 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:212 Resp: 6472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 1.9 | 1.3 | 1.9 |
| 104 | 1.1 | 0.8 | 1.2 |



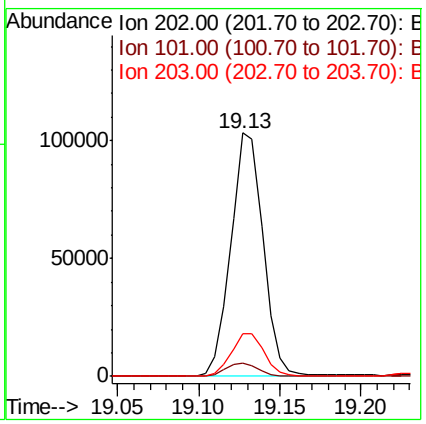


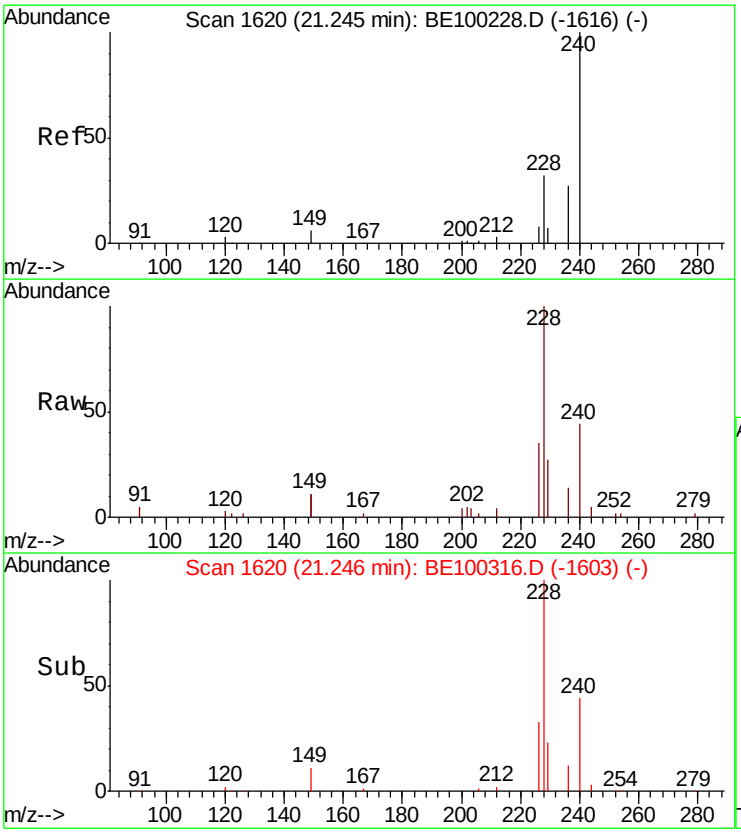

#26
Fluoranthene
Concen: 6.098 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:202 Resp: 141948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 5.4 | 4.6 | 7.0 |
| 203 | 17.6 | 13.7 | 20.5 |

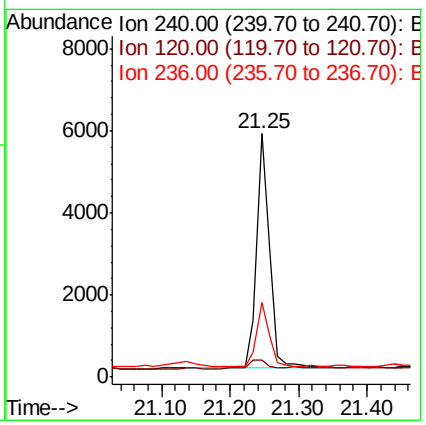


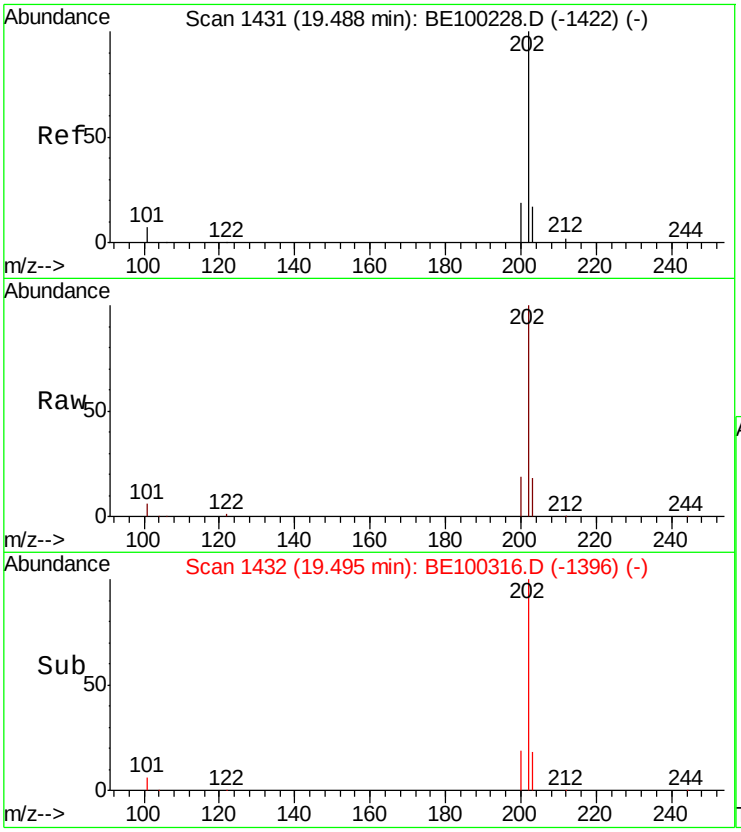




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:240 Resp: 7715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.0 | 3.3 | 4.9# |
| 236 | 30.5 | 22.6 | 34.0 |



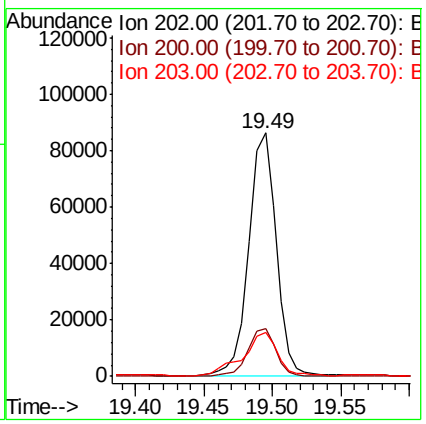


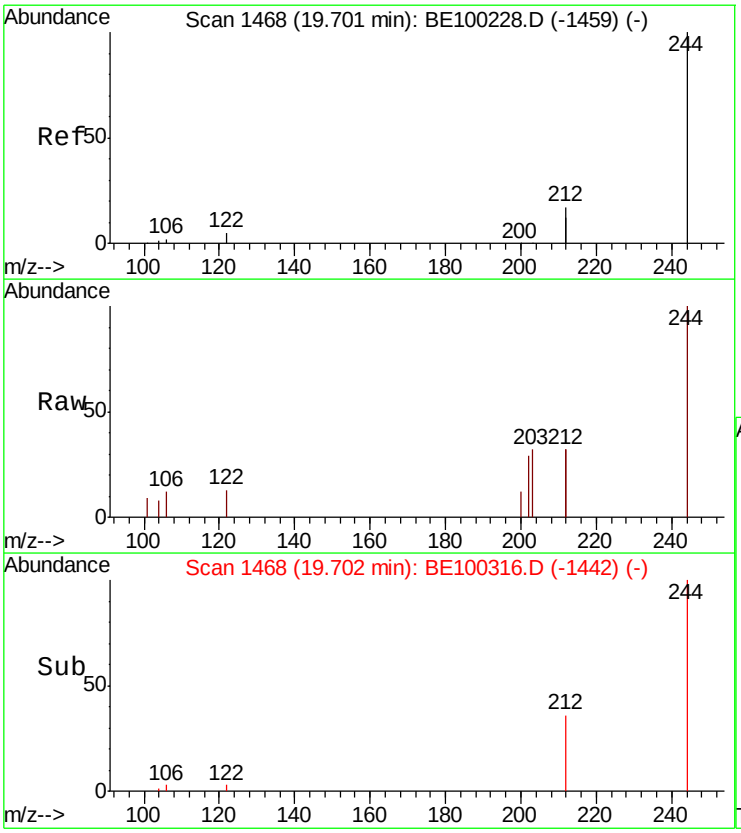

#28
Pyrene
Concen: 5.818 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:202 Resp: 118840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 15.6 | 23.4 |
| 203 | 22.1 | 14.0 | 21.0# |

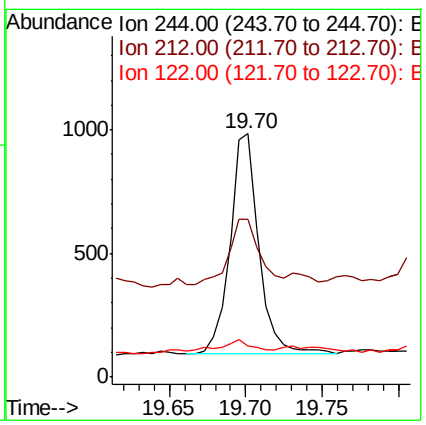


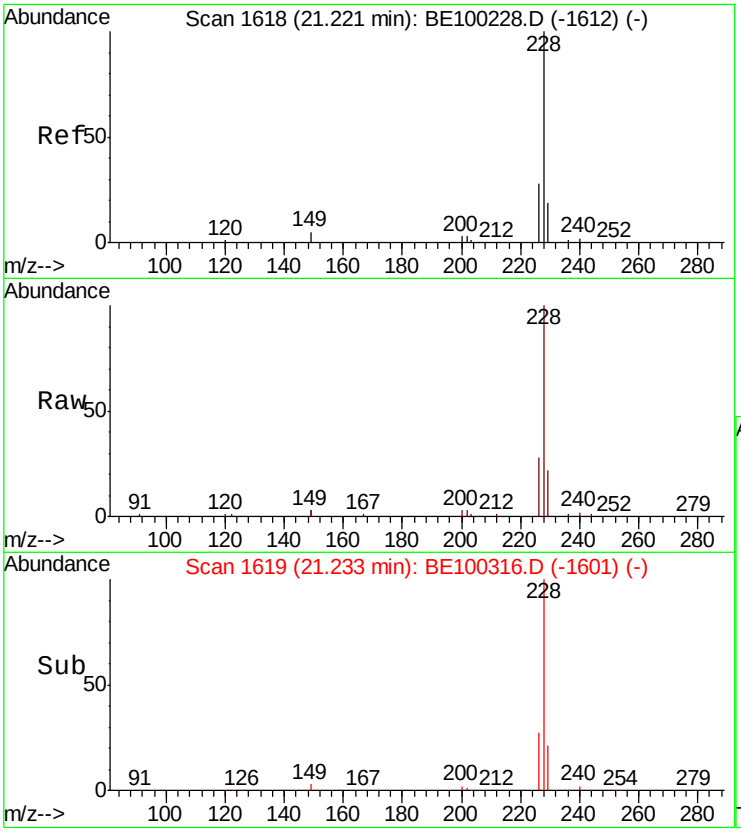




#29
Terphenyl-d14
Concen: 0.074 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:244 Resp: 1177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 64.8 | 27.3 | 40.9# |
| 122 | 13.0 | 4.7 | 7.1# |



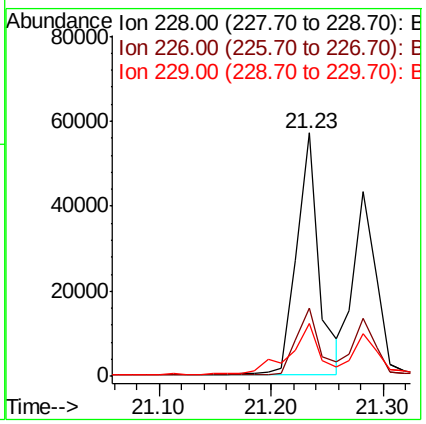


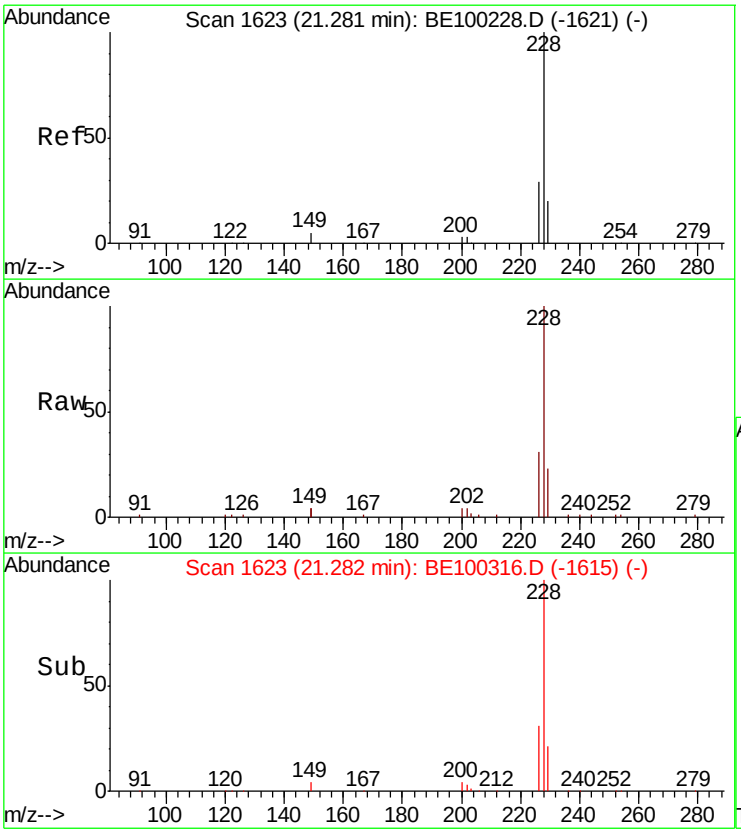

#30
Benzo(a)anthracene
Concen: 3.099 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:228 Resp: 78617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 23.2 | 34.8 |
| 229 | 21.7 | 15.7 | 23.5 |

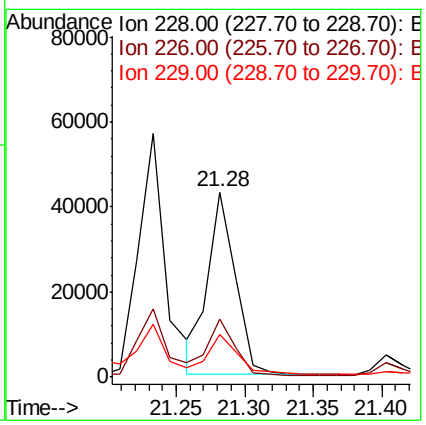


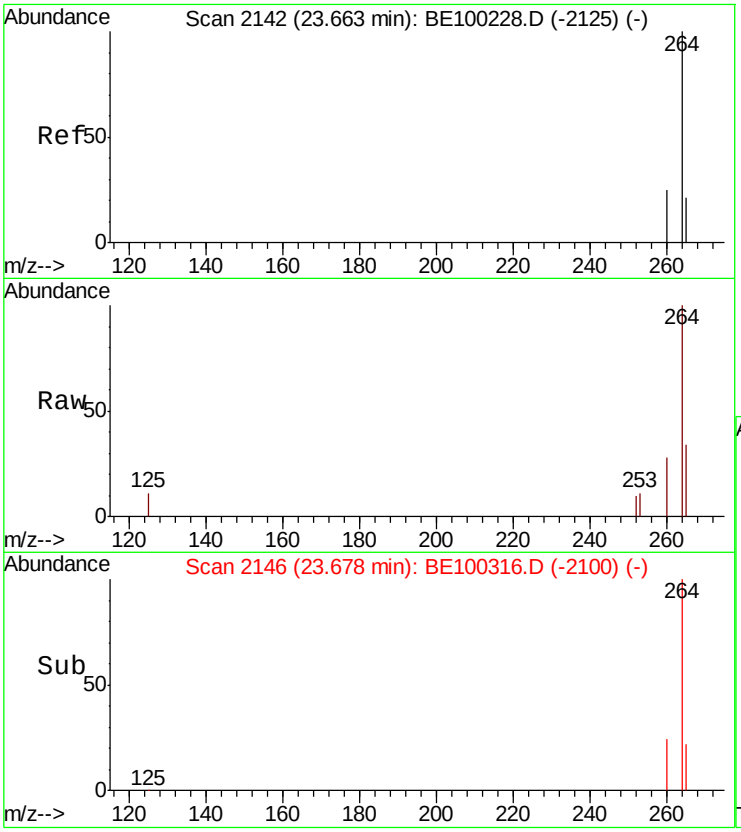




#31
Chrysene
Concen: 2.359 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:228 Resp: 60090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 23.9 | 35.9 |
| 229 | 23.0 | 16.5 | 24.7 |



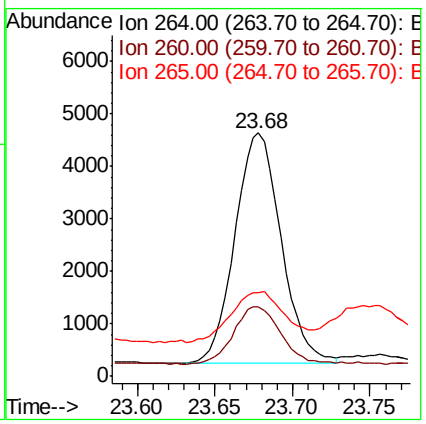


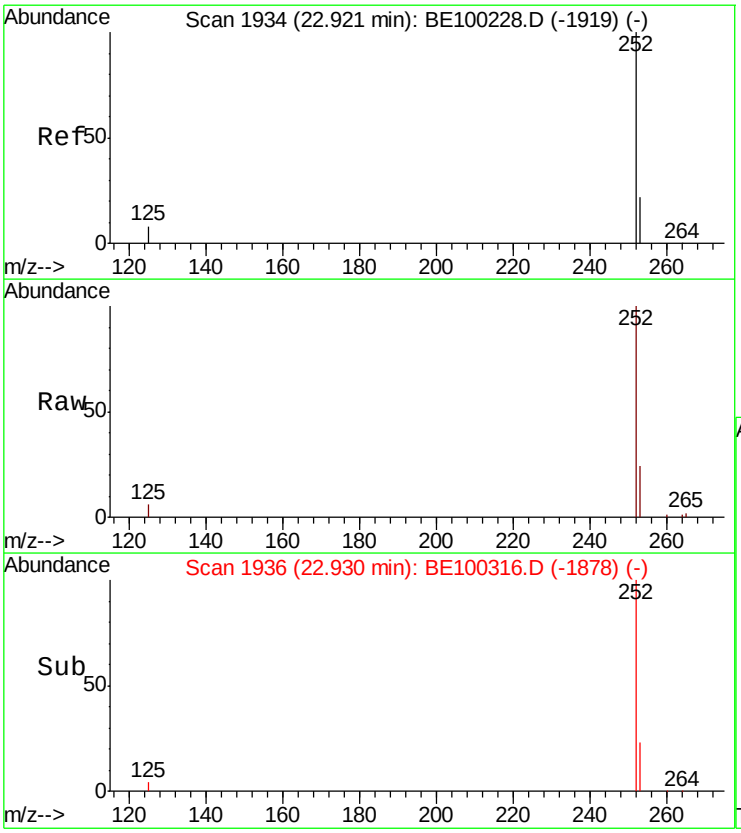

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.02 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:264 Resp: 9111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 28.5 | 20.8 | 31.2 |
| 265 | 34.2 | 21.8 | 32.6# |

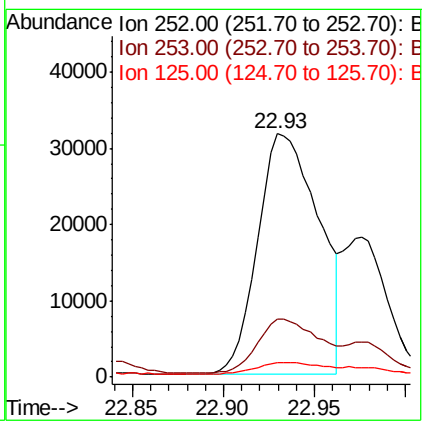


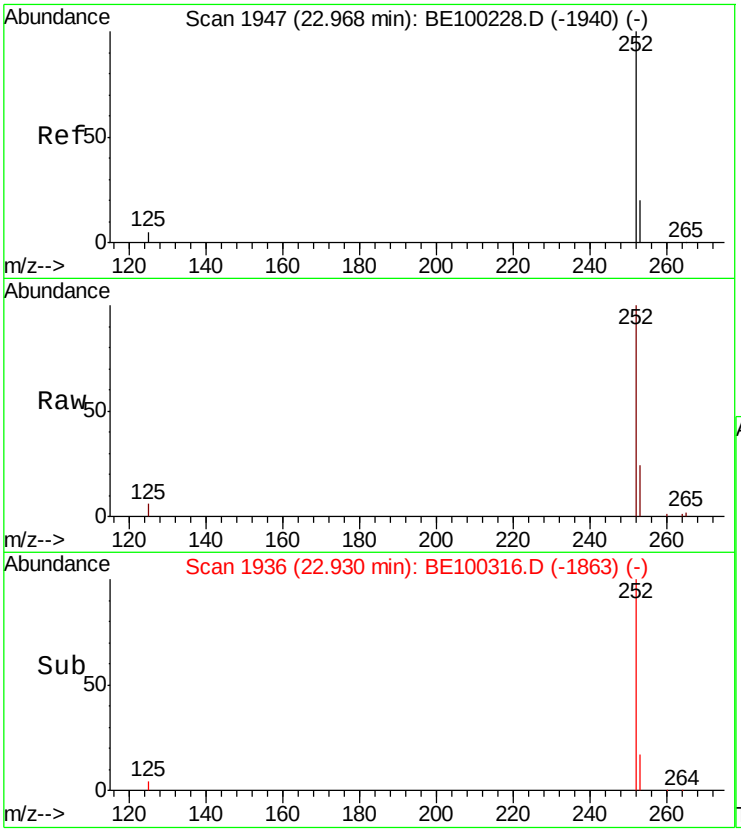




#35
Benzo(b)fluoranthene
Concen: 2.987 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:252 Resp: 73774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 19.2 | 28.8 |
| 125 | 5.8 | 7.4 | 11.0# |






#36
Benzo(k)fluoranthene
Concen: 2.676 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

**Instrument :**
BNA_E
**ClientSampleId :**
PST-008-B036-061819DL

Tgt Ion:252 Resp: 73774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 17.9 | 26.9 |
| 125 | 5.8 | 5.0 | 7.4 |