Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\
Data File : BE099609.D
Acq On : 14 May 2019 17:44
Operator : JU/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :**

Quant Time: May 14 19:12:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:05:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.82 | 152 | 1543 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.61 | 136 | 5215 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.48 | 164 | 3432 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.23 | 188 | 9394 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.42 | 240 | 14945 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.96 | 264 | 16675 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.37 | 112 | 6846 | 1.62 | ng | | 0.00 |
| 5) Phenol-d6 | 6.98 | 99 | 8823 | 1.59 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.98 | 82 | 8300 | 1.70 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 14317 | 1.64 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.97 | 330 | 3788 | 1.86 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.10 | 172 | 21431 | 1.61 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.27 | 212 | 203238 | 1.65 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.86 | 244 | 42202 | 1.59 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.30 | 88 | 3400 | 1.563 | ng | | 91 |
| 3) n-Nitrosodimethylamine | 3.62 | 42 | 2268 | 1.684 | ng | # | 98 |
| 6) bis(2-Chloroethyl)ether | 7.24 | 93 | 7427 | 1.612 | ng | | 94 |
| 9) Naphthalene | 10.67 | 128 | 89924 | 1.618 | ng | | 99 |
| 10) Hexachlorobutadiene | 10.94 | 225 | 6386 | 1.592 | ng | | 99 |
| 12) 2-Methylnaphthalene | 12.29 | 142 | 14889 | 1.640 | ng | | 100 |
| 16) Acenaphthylene | 14.21 | 152 | 26771 | 1.611 | ng | | 100 |
| 17) Acenaphthene | 14.54 | 154 | 14617 | 1.576 | ng | | 100 |
| 18) Fluorene | 15.53 | 166 | 21185 | 1.600 | ng | | 100 |
| 20) 4-Bromophenyl-phenylether | 16.42 | 248 | 8874 | 1.656 | ng | | 98 |
| 21) Hexachlorobenzene | 16.53 | 284 | 8899 | 1.654 | ng | | 98 |
| 22) Pentachlorophenol | 16.89 | 266 | 3367 | 1.565 | ng | | 94 |
| 23) Phenanthrene | 17.27 | 178 | 37886 | 1.625 | ng | | 100 |
| 24) Anthracene | 17.36 | 178 | 36346 | 1.660 | ng | | 99 |
| 26) Fluoranthene | 19.29 | 202 | 57828 | 1.648 | ng | | 99 |
| 28) Pyrene | 19.66 | 202 | 59472 | 1.510 | ng | | 100 |
| 30) Benzo(a)anthracene | 21.40 | 228 | 72577 | 1.590 | ng | | 99 |
| 31) Chrysene | 21.45 | 228 | 73634 | 1.614 | ng | | 96 |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 101816 | 1.552 | ng | | 100 |
| 33) Indeno(1,2,3-cd)pyrene | 26.65 | 276 | 93806 | 1.648 | ng | | 99 |
| 35) Benzo(b)fluoranthene | 23.17 | 252 | 75480 | 1.639 | ng | # | 94 |
| 36) Benzo(k)fluoranthene | 23.22 | 252 | 74040 | 1.617 | ng | | 97 |
| 37) Benzo(a)pyrene | 23.84 | 252 | 72260 | 1.619 | ng | # | 94 |
| 38) Dibenzo(a,h)anthracene | 26.68 | 278 | 76963 | 1.650 | ng | | 98 |
| 39) Benzo(g,h,i)perylene | 27.49 | 276 | 77486 | 1.641 | ng | | 99 |

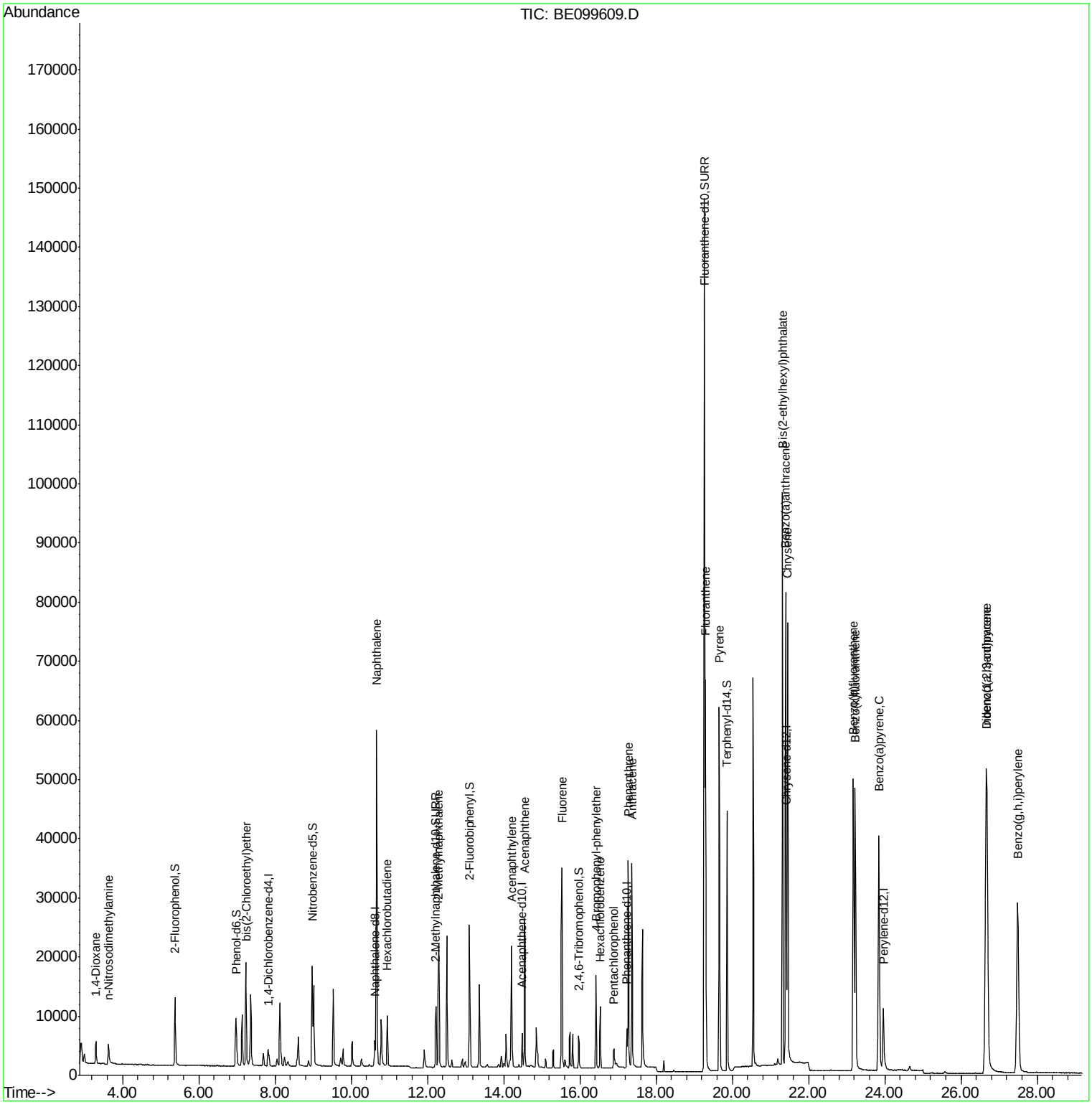
(#) = qualifier out of range (m) = manual integration (+) = signals summed

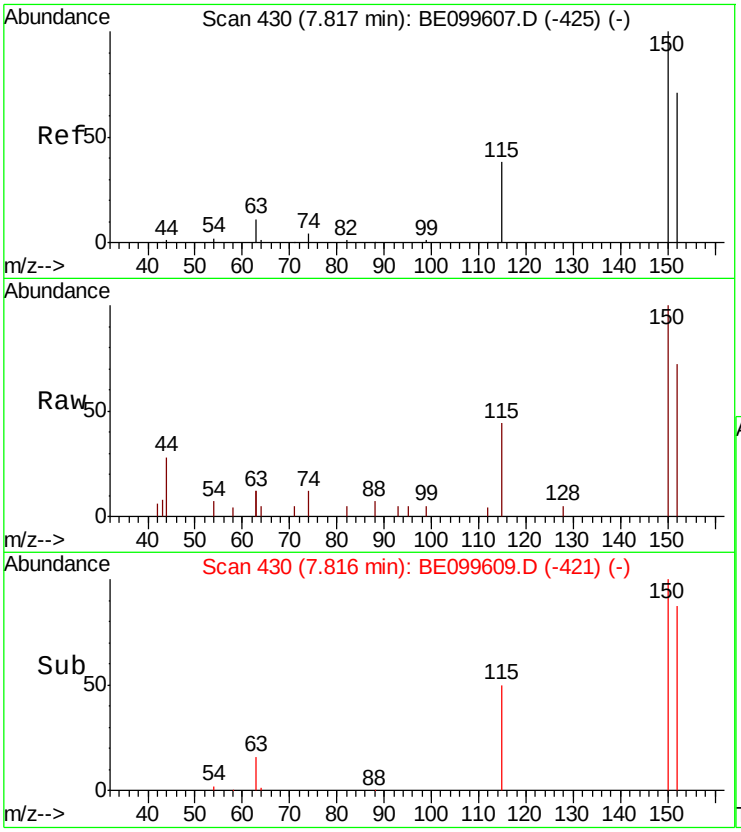
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\
Data File : BE099609.D
Acq On : 14 May 2019 17:44
Operator : JU/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**

Quant Time: May 14 19:12:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:05:18 2019
Response via : Initial Calibration



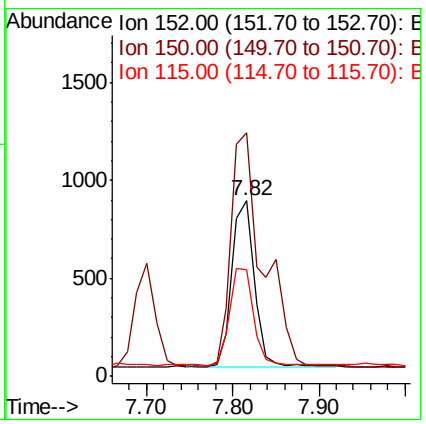


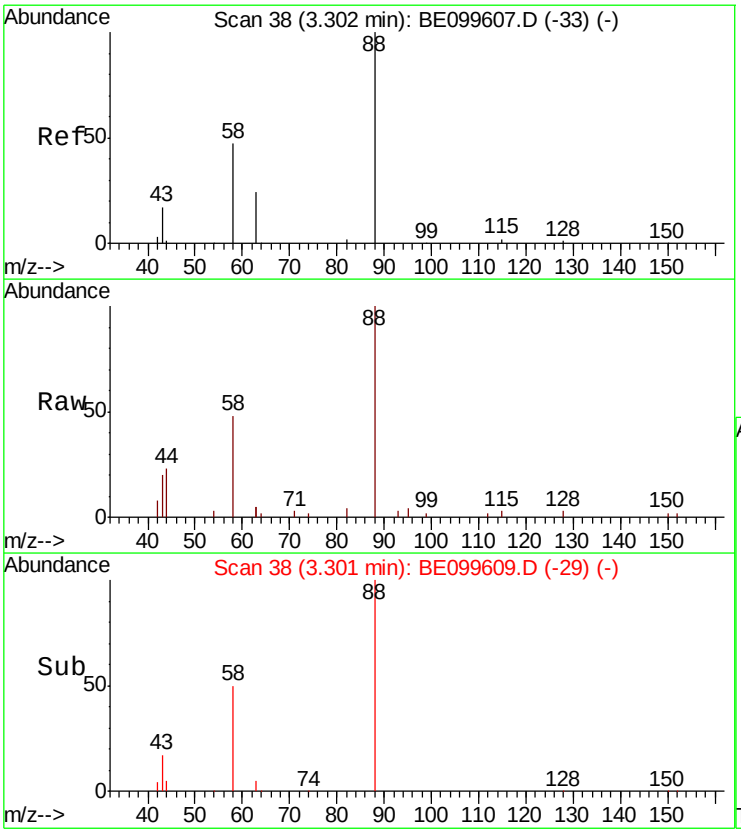

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:152 Resp: 1543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 138.9 | 110.1 | 165.1 |
| 115 | 61.1 | 46.2 | 69.4 |

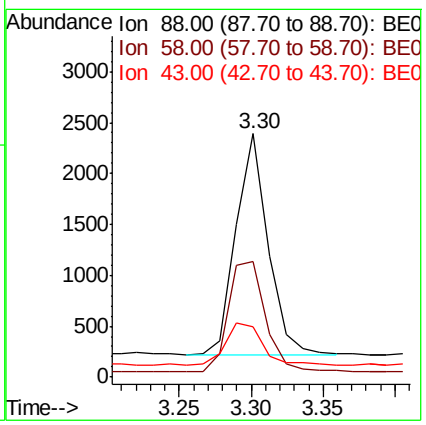


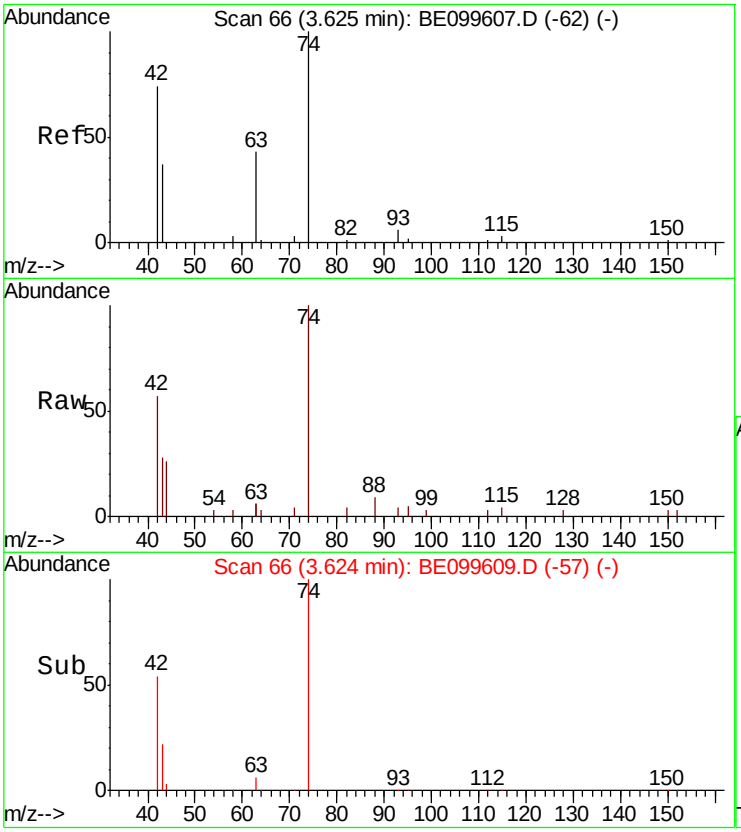




#2
1,4-Dioxane
Concen: 1.563 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion: 88 Resp: 3400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 57.1 | 39.8 | 59.6 |
| 43 | 22.8 | 21.0 | 31.6 |



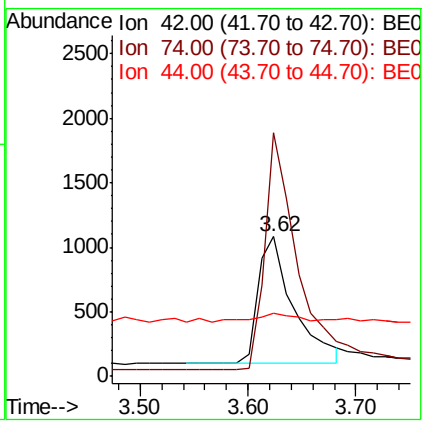


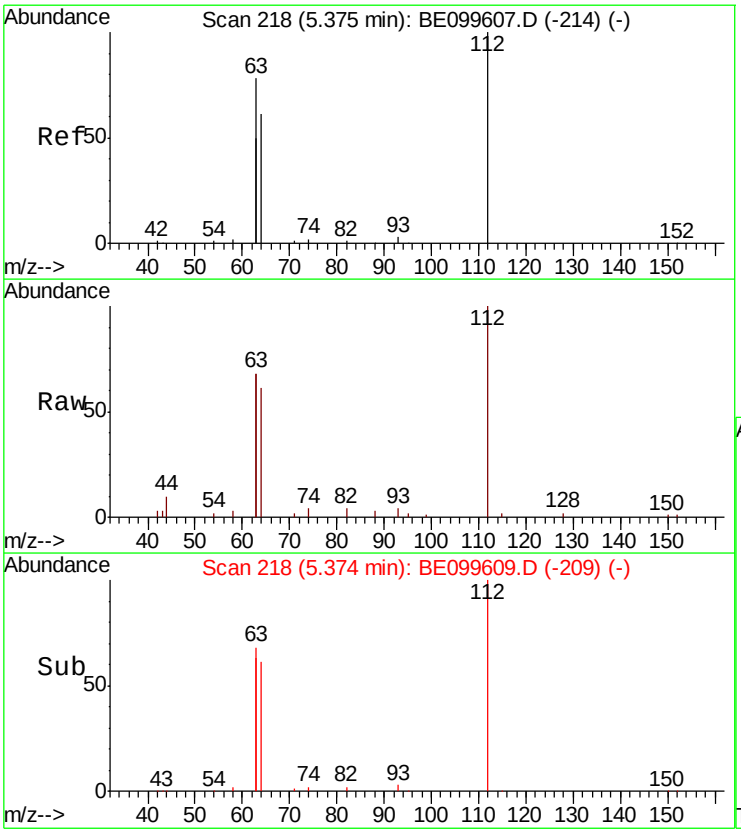

#3
n-Nitrosodimethylamine
Concen: 1.684 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion: 42 Resp: 2268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 169.0 | 134.7 | 202.1 |
| 44 | 8.8 | 12.5 | 18.7# |

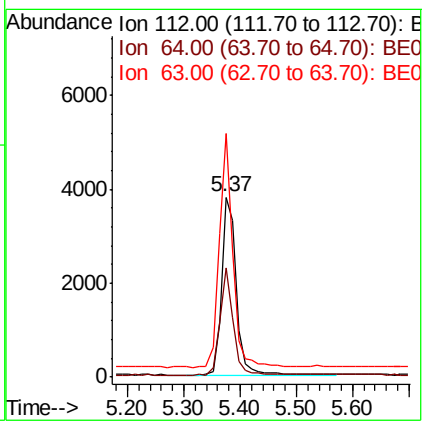


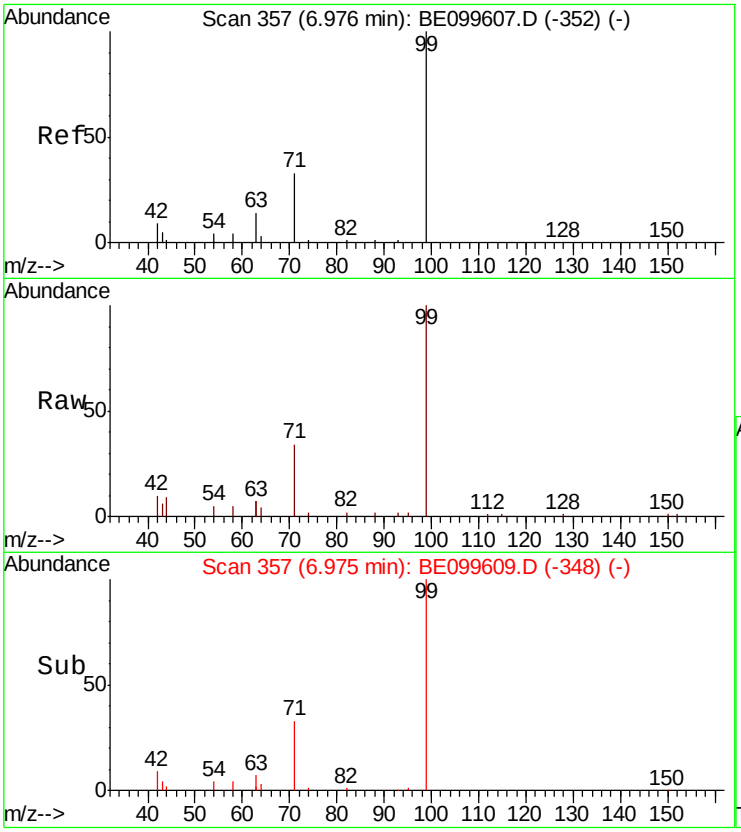




#4
2-Fluorophenol
Concen: 1.622 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:112 Resp: 6846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.1 | 43.7 | 65.5 |
| 63 | 121.2 | 94.0 | 141.0 |



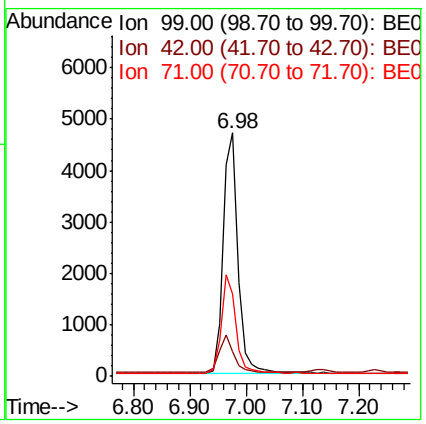


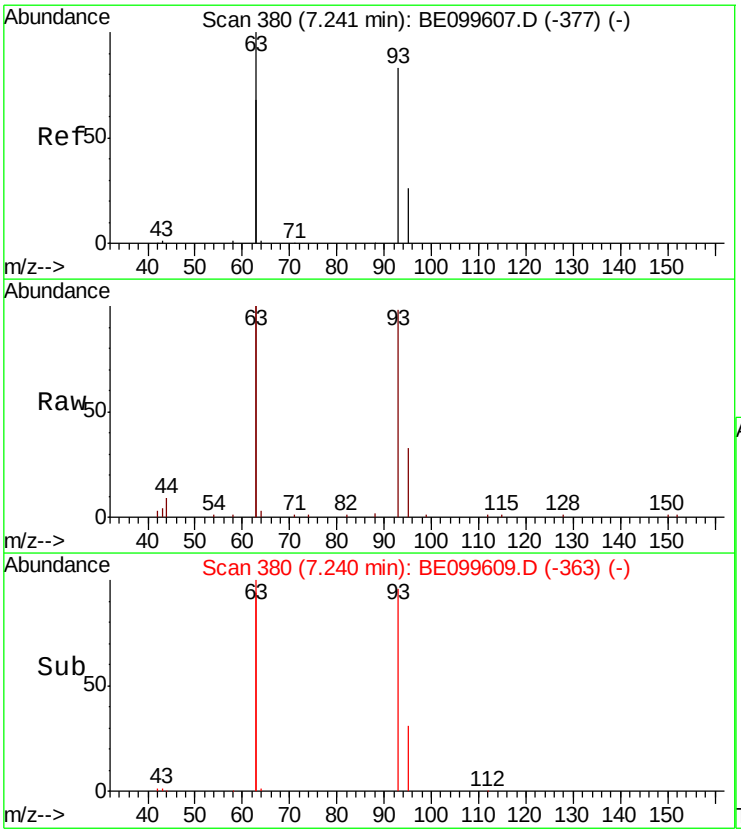

#5
Phenol-d6
Concen: 1.591 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion: 99 Resp: 8823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.5 | 14.3 | 21.5 |
| 71 | 39.0 | 33.1 | 49.7 |

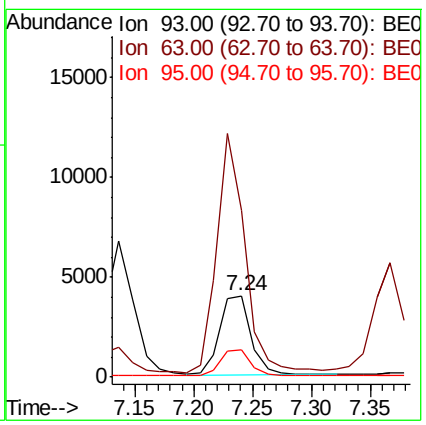


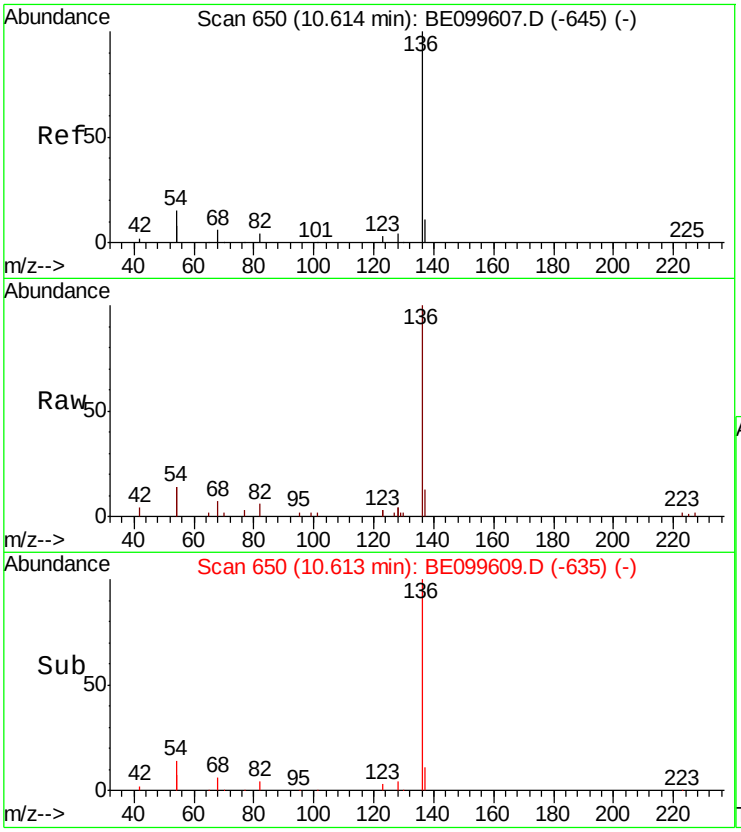




#6
bis(2-Chloroethyl)ether
Concen: 1.612 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion: 93 Resp: 7427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 262.3 | 201.0 | 301.4 |
| 95 | 32.2 | 25.0 | 37.4 |



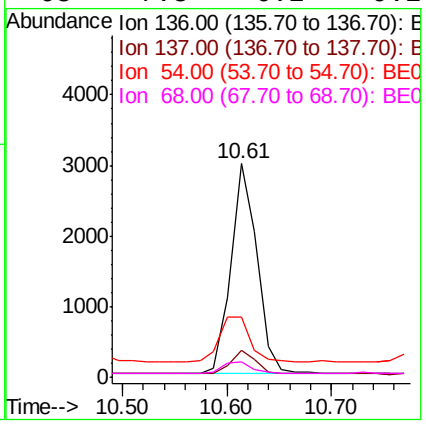


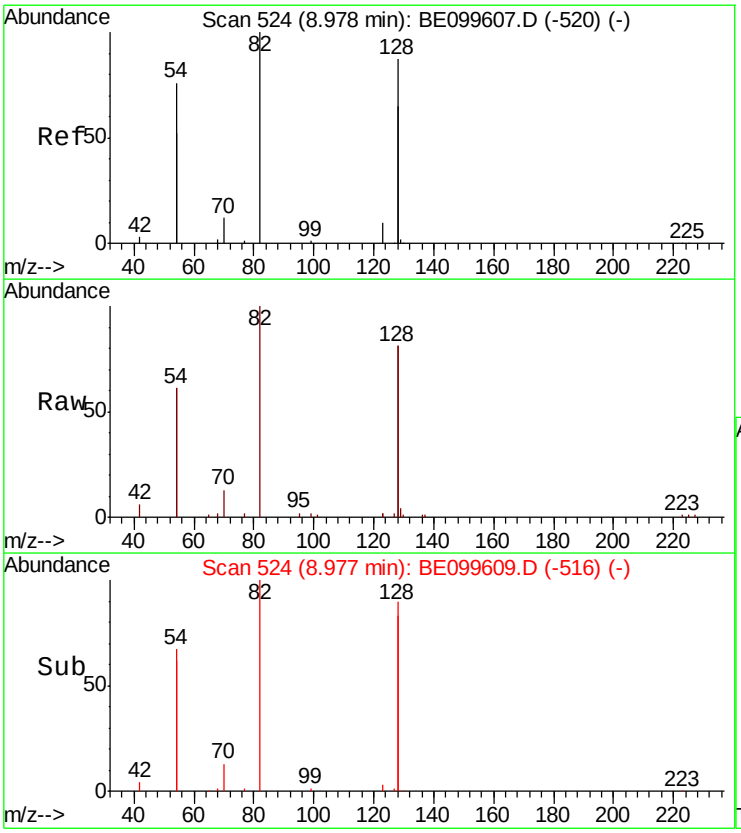

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:136 Resp: 5215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.6 | 9.7 | 14.5 |
| 54 | 28.4 | 23.8 | 35.8 |
| 68 | 7.3 | 6.2 | 9.2 |

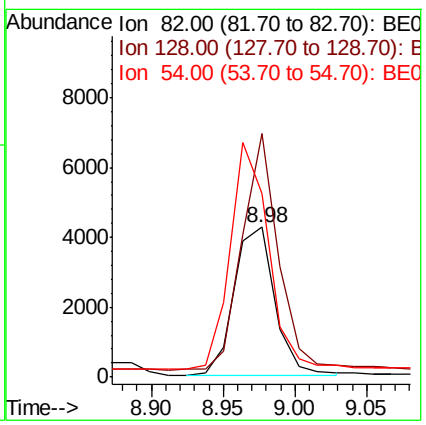


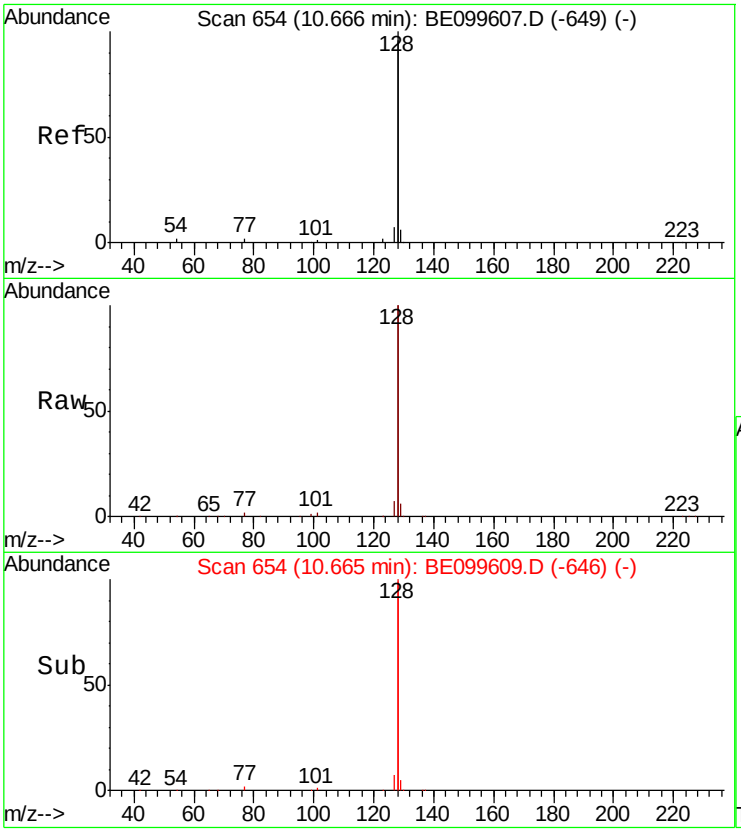




#8
Nitrobenzene-d5
Concen: 1.696 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion: 82 Resp: 8300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 162.2 | 131.4 | 197.2 |
| 54 | 122.0 | 113.9 | 170.9 |



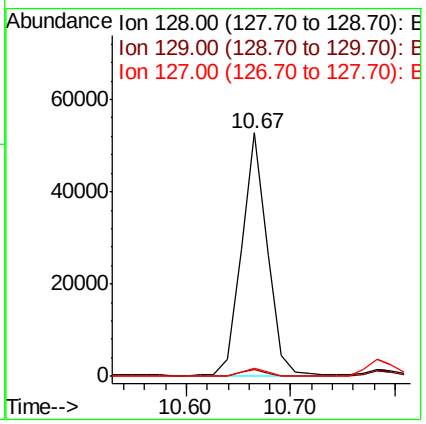


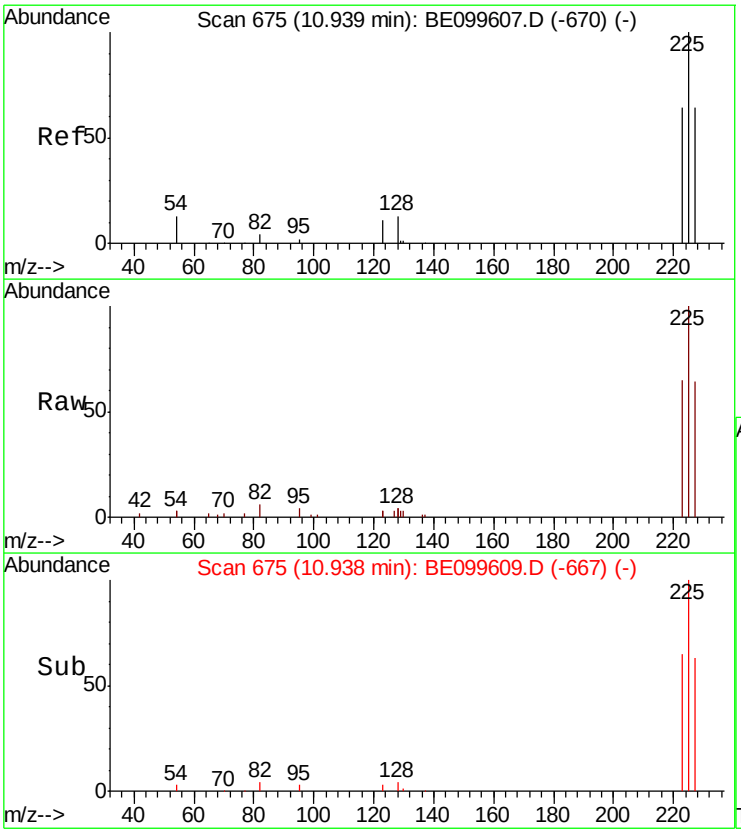

#9
Naphthalene
Concen: 1.618 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:128 Resp: 89924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.8 | 2.6 | 4.0 |
| 127 | 3.4 | 3.0 | 4.6 |

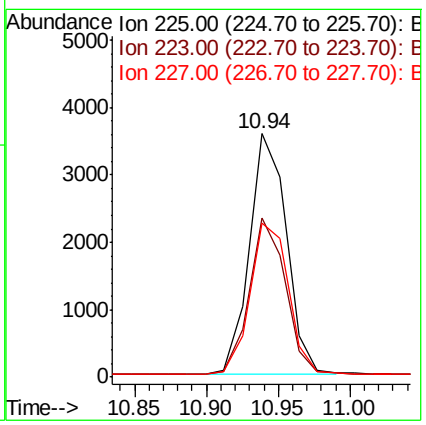


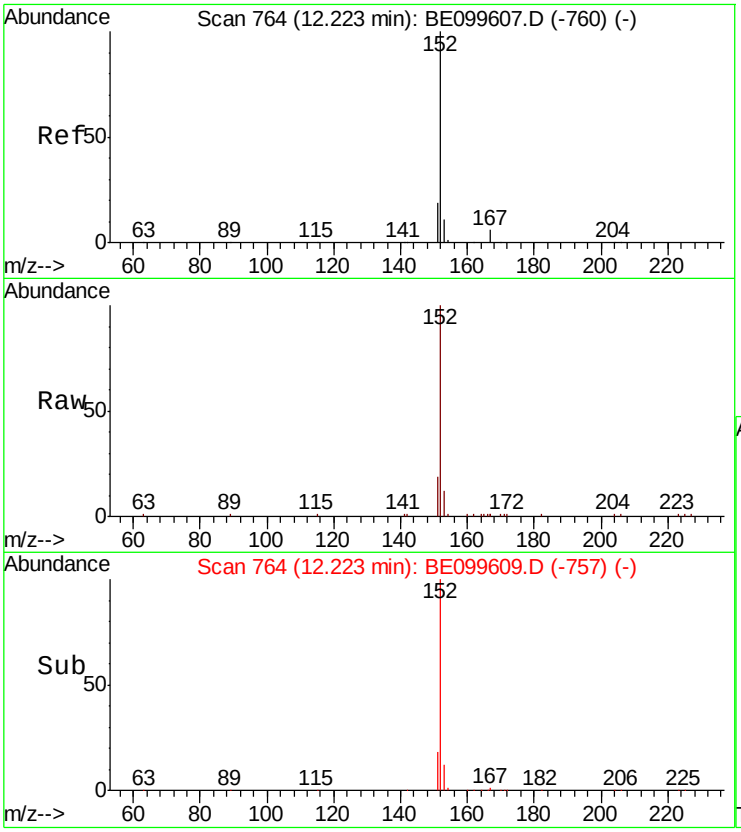




#10
Hexachlorobutadiene
Concen: 1.592 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:225 Resp: 6386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 49.8 | 74.8 |
| 227 | 65.0 | 51.2 | 76.8 |



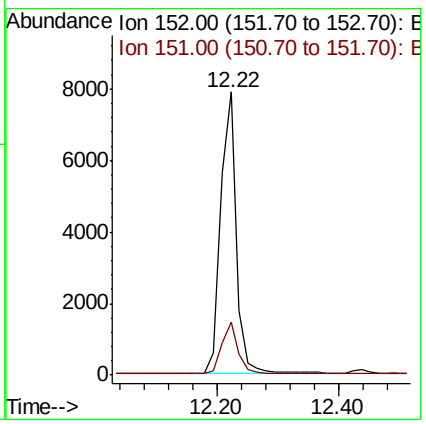


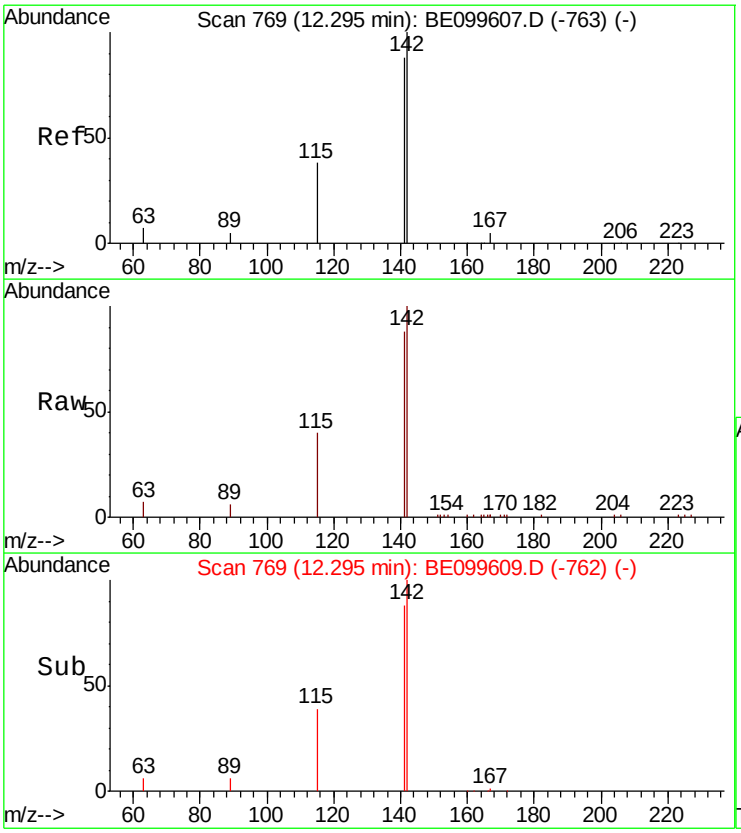

#11
2-Methylnaphthalene-d10
Concen: 1.640 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:152 Resp: 14317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 15.3 | 22.9 |

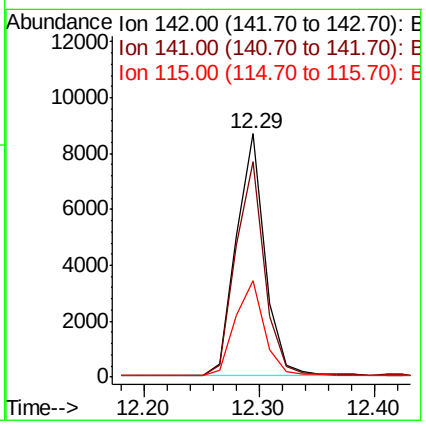


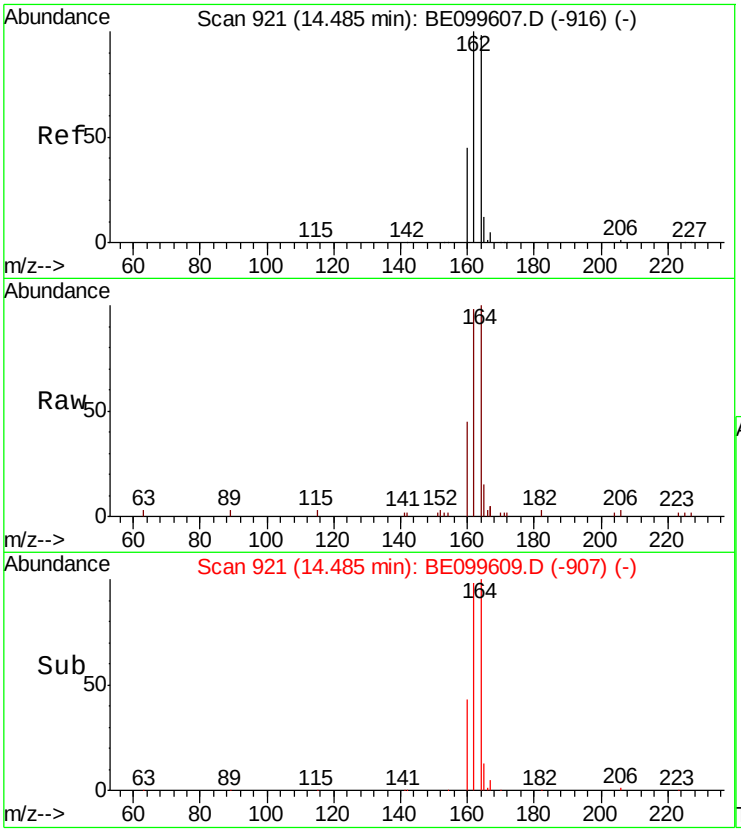




#12
2-Methylnaphthalene
Concen: 1.640 ng
RT: 12.29 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:142 Resp: 14889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 70.4 | 105.6 |
| 115 | 39.8 | 32.2 | 48.4 |



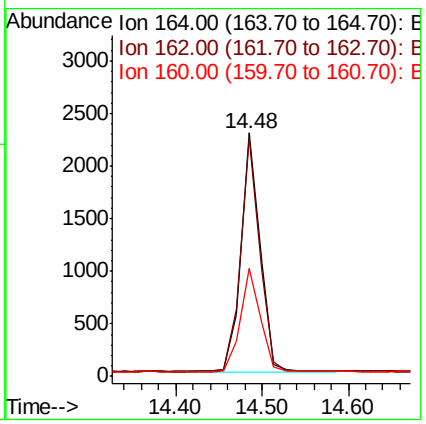


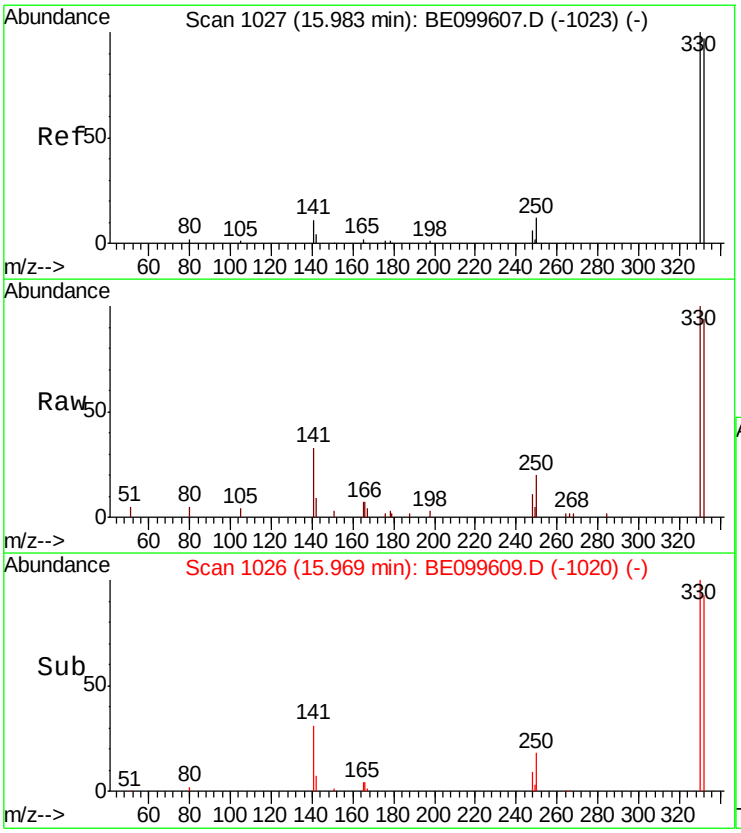

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:164 Resp: 3432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.8 | 81.4 | 122.0 |
| 160 | 44.5 | 37.4 | 56.2 |

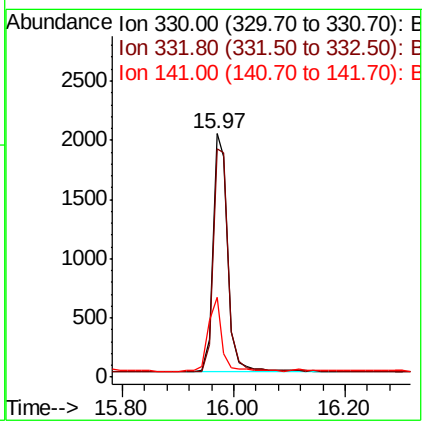


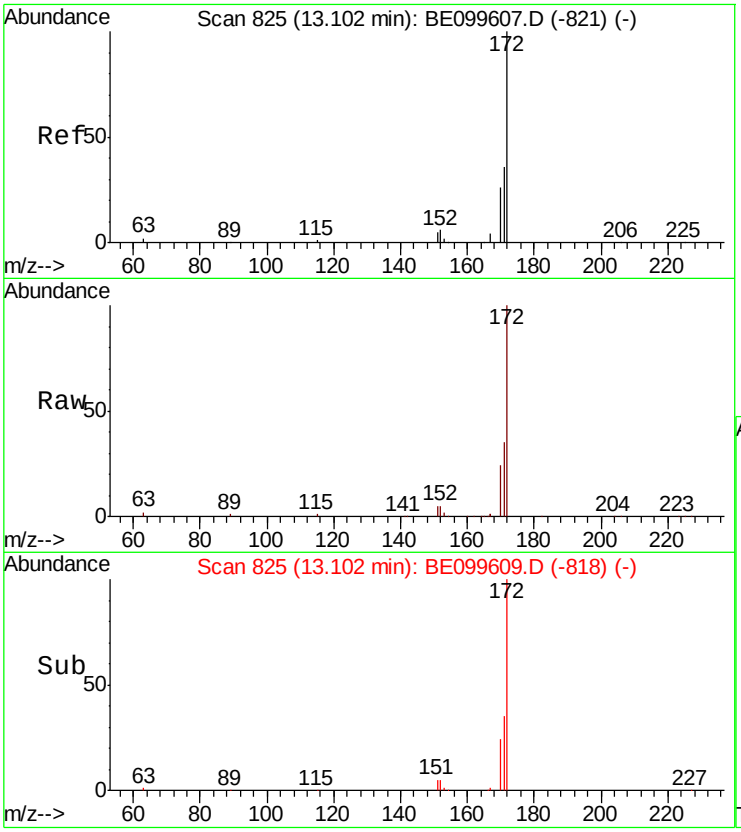




#14
2,4,6-Tribromophenol
Concen: 1.861 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:330 Resp: 3788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 73.8 | 110.8 |
| 141 | 28.0 | 21.0 | 31.6 |



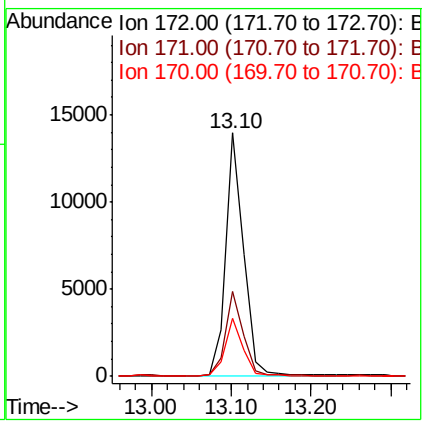


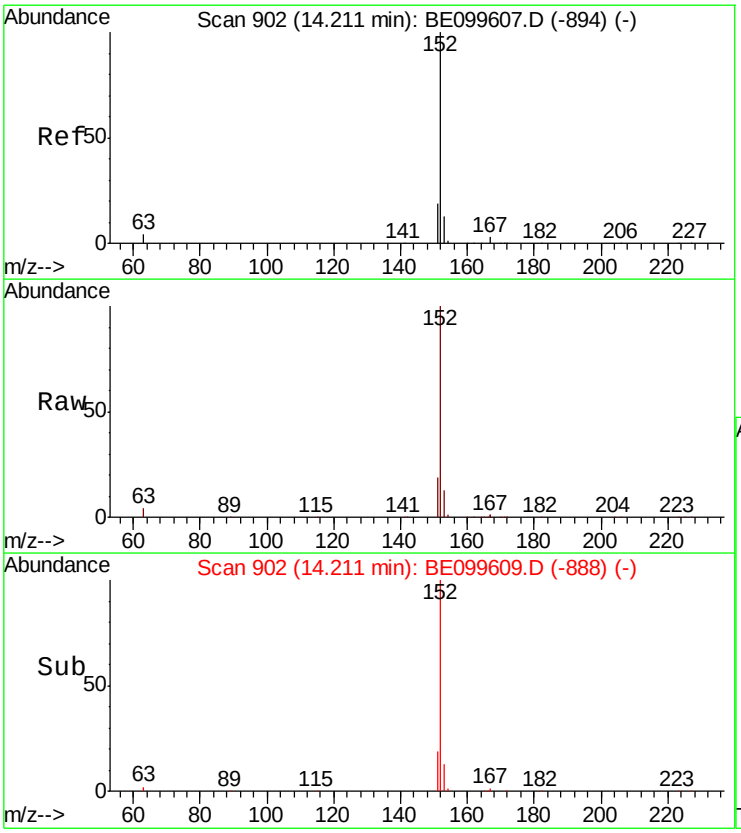

#15
2-Fluorobiphenyl
Concen: 1.611 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:172 Resp: 21431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 29.4 | 44.2 |
| 170 | 24.0 | 21.5 | 32.3 |

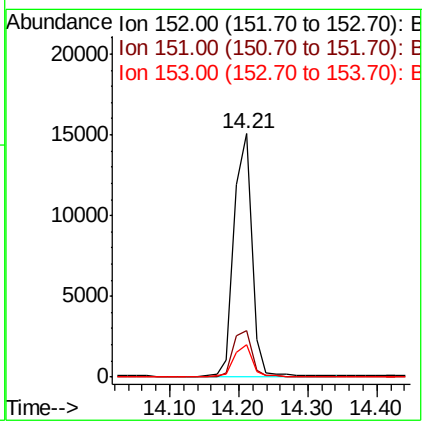


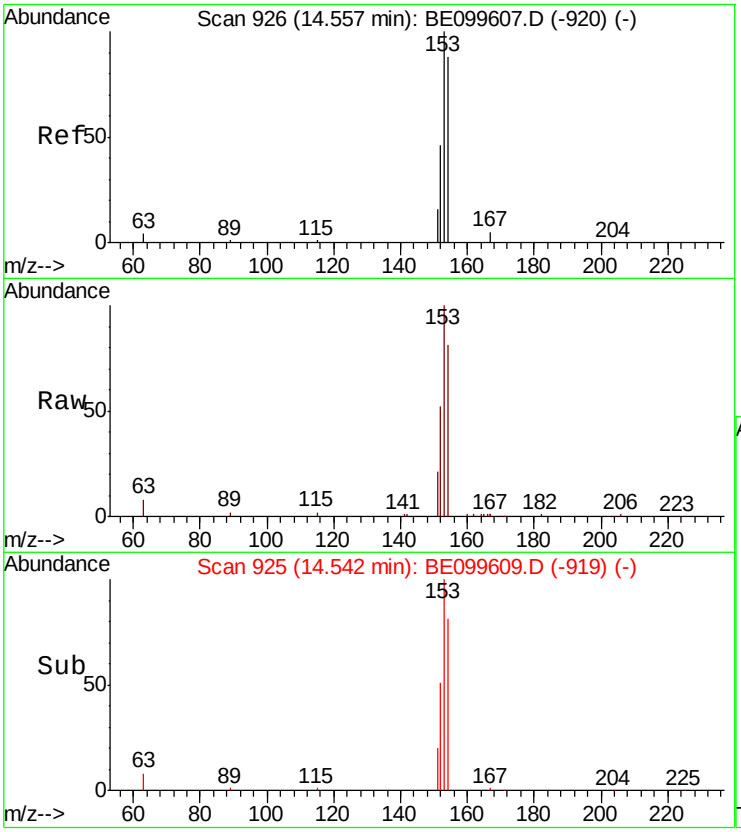




#16
Acenaphthylene
Concen: 1.611 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:152 Resp: 26771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 15.6 | 23.4 |
| 153 | 12.8 | 10.4 | 15.6 |



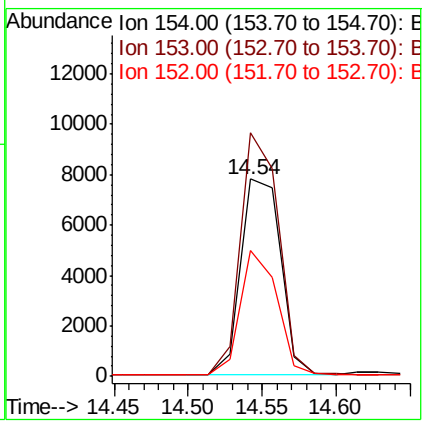


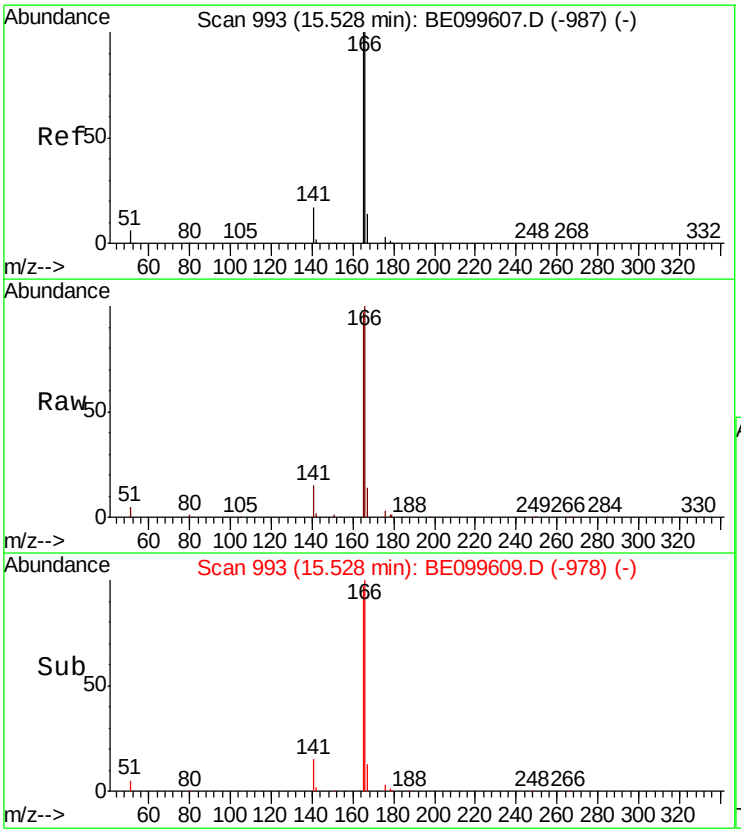

#17
Acenaphthene
Concen: 1.576 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:154 Resp: 14617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.5 | 94.1 | 141.1 |
| 152 | 58.4 | 46.5 | 69.7 |

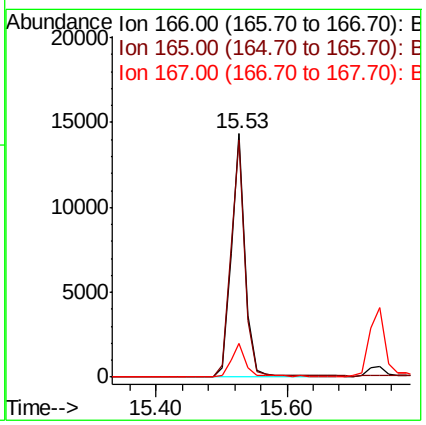


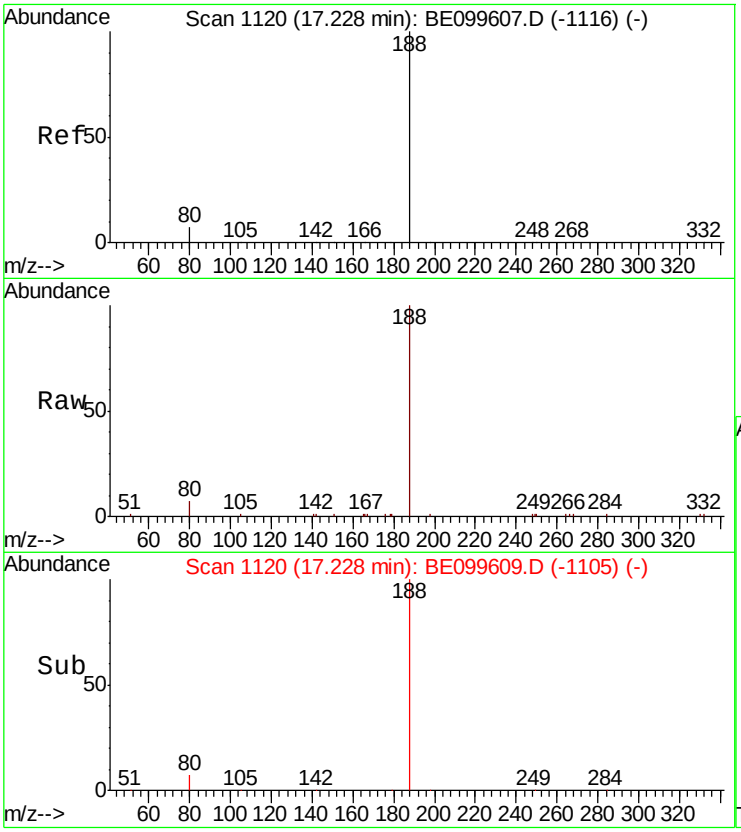




#18
Fluorene
Concen: 1.600 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:166 Resp: 21185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.6 | 79.8 | 119.8 |
| 167 | 13.5 | 11.2 | 16.8 |



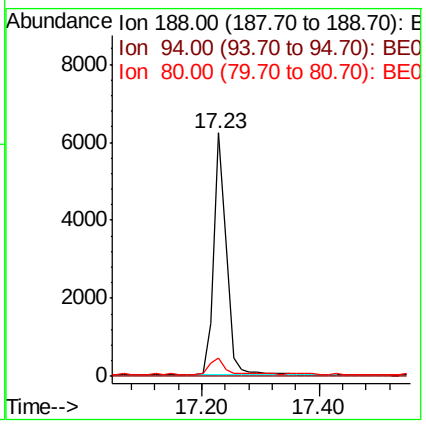


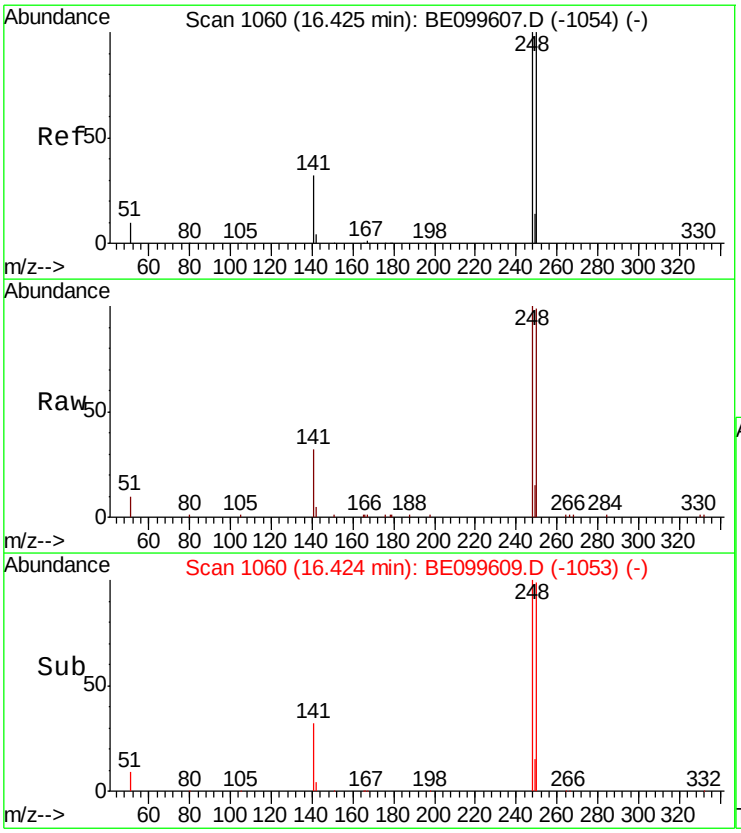

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:188 Resp: 9394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 7.5 | 6.4 | 9.6 |

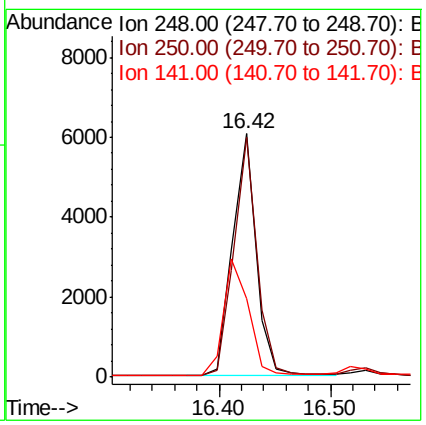


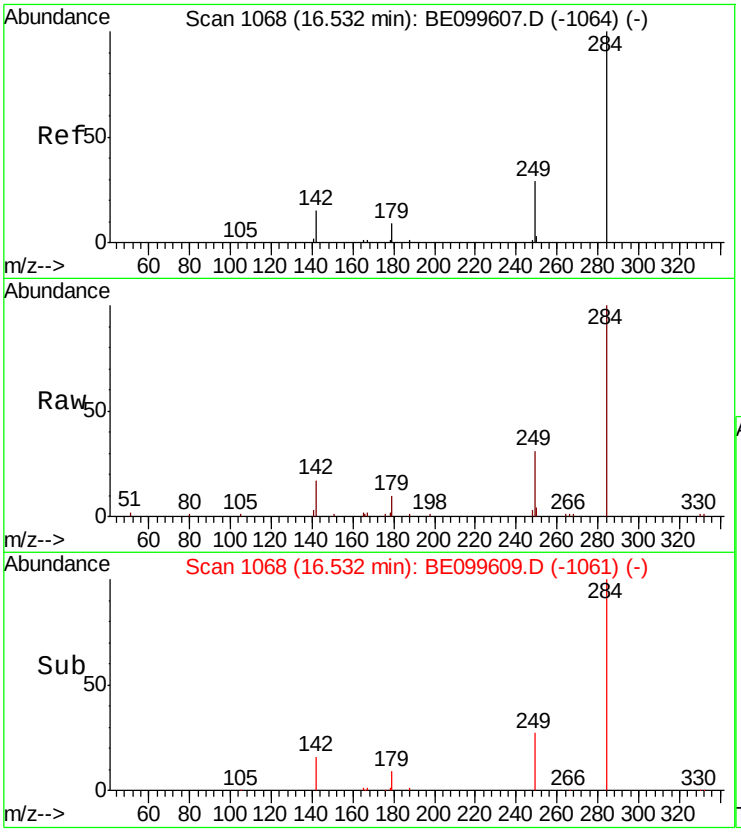




#20
4-Bromophenyl-phenylether
Concen: 1.656 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:248 Resp: 8874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 80.4 | 120.6 |
| 141 | 32.2 | 27.8 | 41.8 |



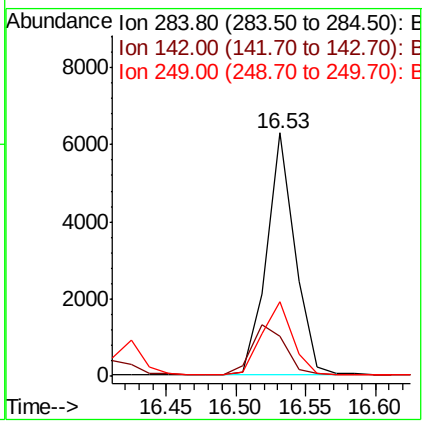


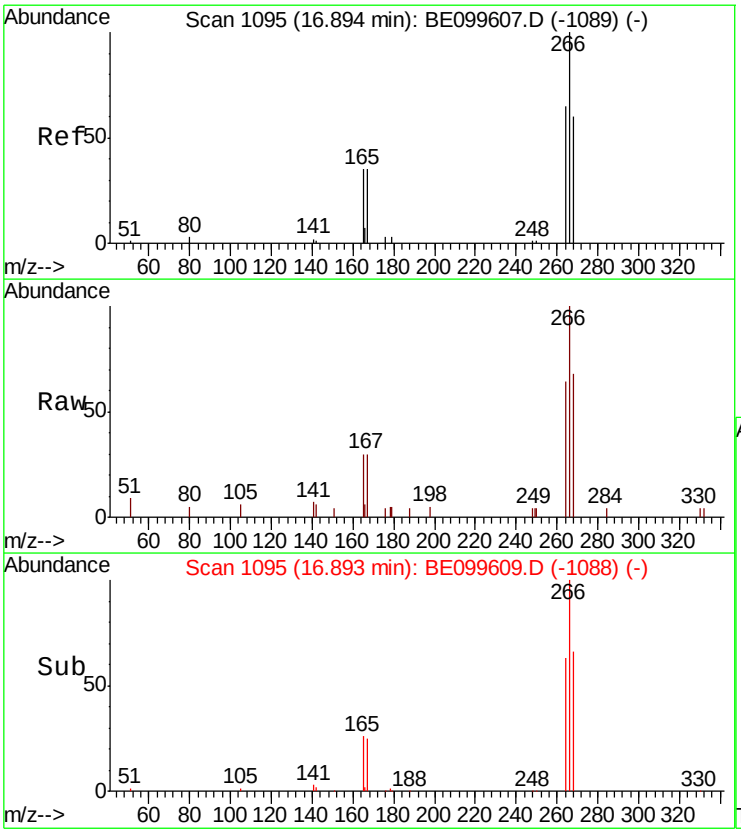

#21
Hexachlorobenzene
Concen: 1.654 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:284 Resp: 8899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 23.8 | 19.4 | 29.2 |
| 249 | 32.0 | 24.6 | 37.0 |

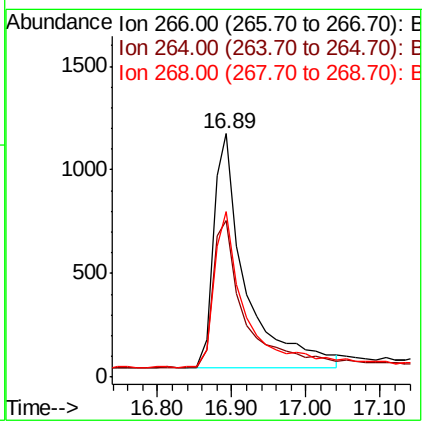


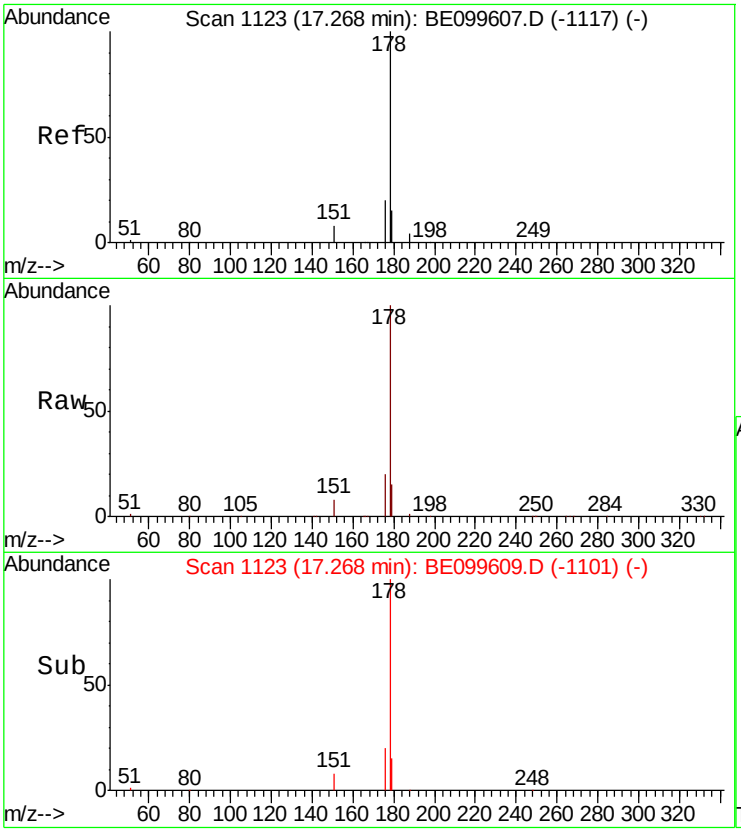




#22
Pentachlorophenol
Concen: 1.565 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:266 Resp: 3367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 64.3 | 57.7 | 86.5 |
| 268 | 67.7 | 55.8 | 83.8 |



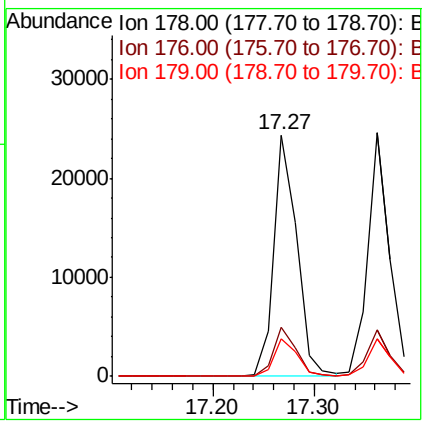


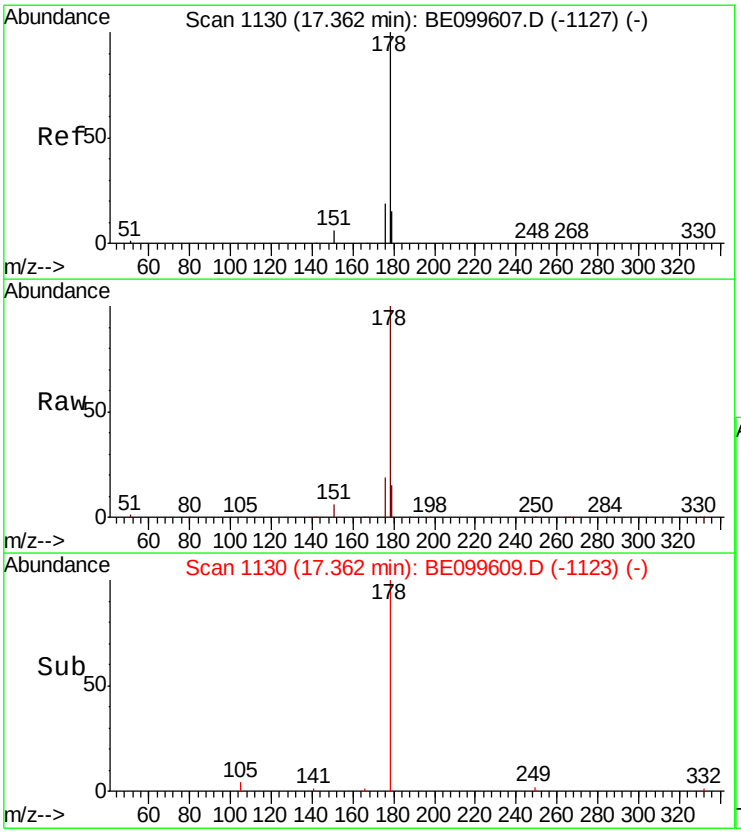

#23
Phenanthrene
Concen: 1.625 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:178 Resp: 37886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.7 | 23.5 |
| 179 | 15.3 | 12.2 | 18.2 |

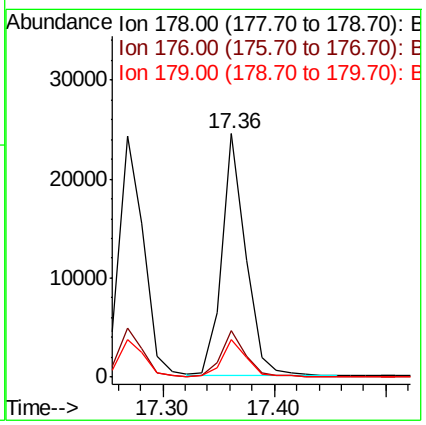


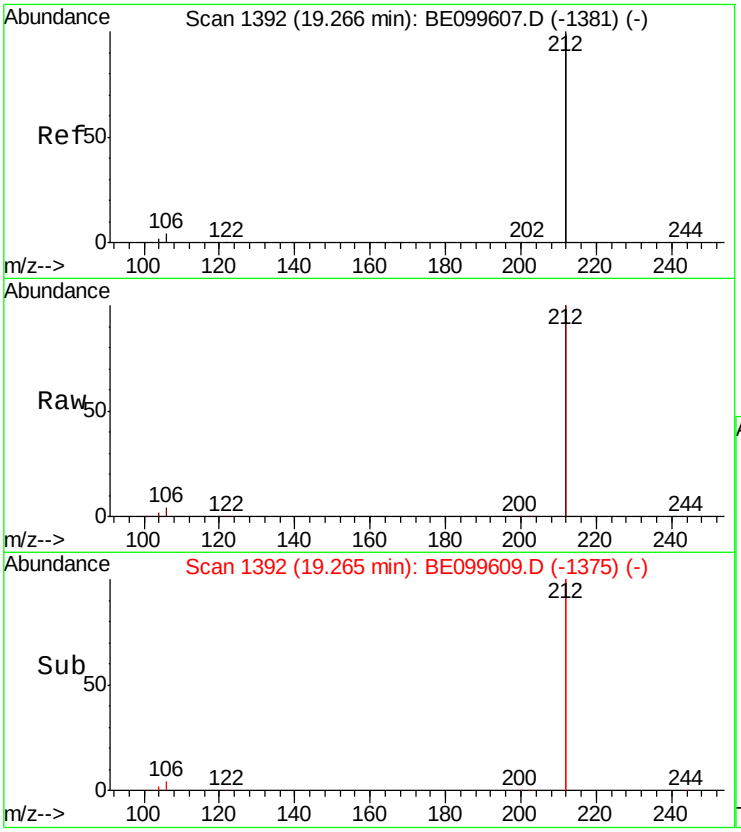




#24
Anthracene
Concen: 1.660 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:178 Resp: 36346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.2 | 22.8 |
| 179 | 15.0 | 12.1 | 18.1 |



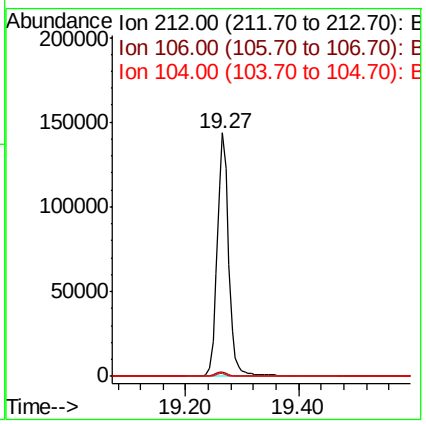


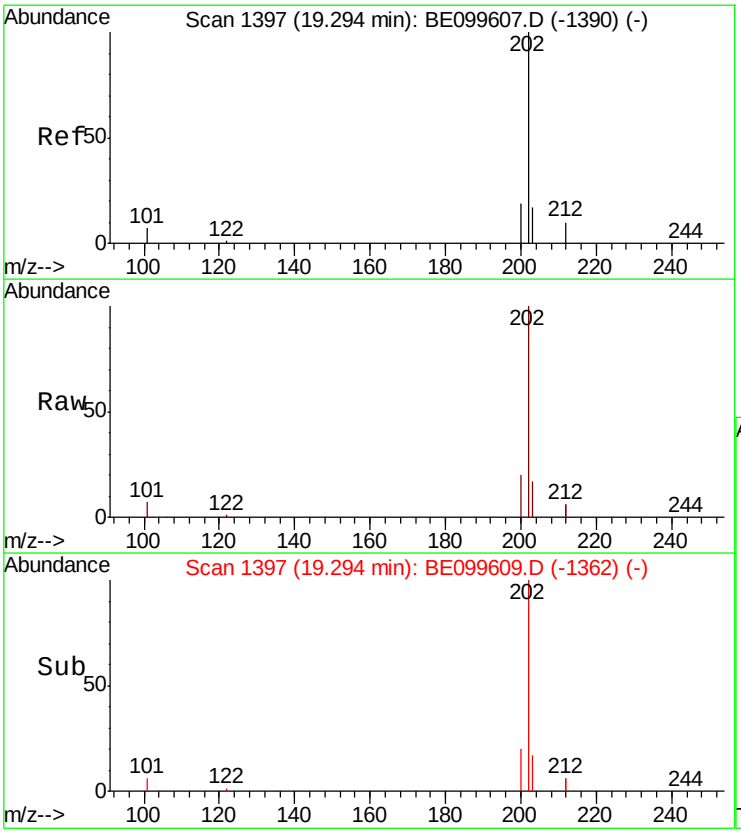

#25
Fluoranthene-d10
Concen: 1.645 ng
RT: 19.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:212 Resp: 203238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 1.8 | 1.4 | 2.2 |
| 104 | 1.0 | 0.9 | 1.3 |

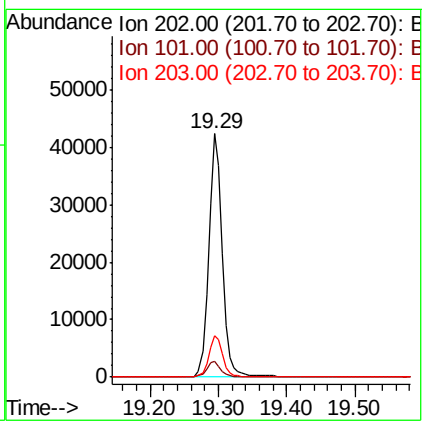


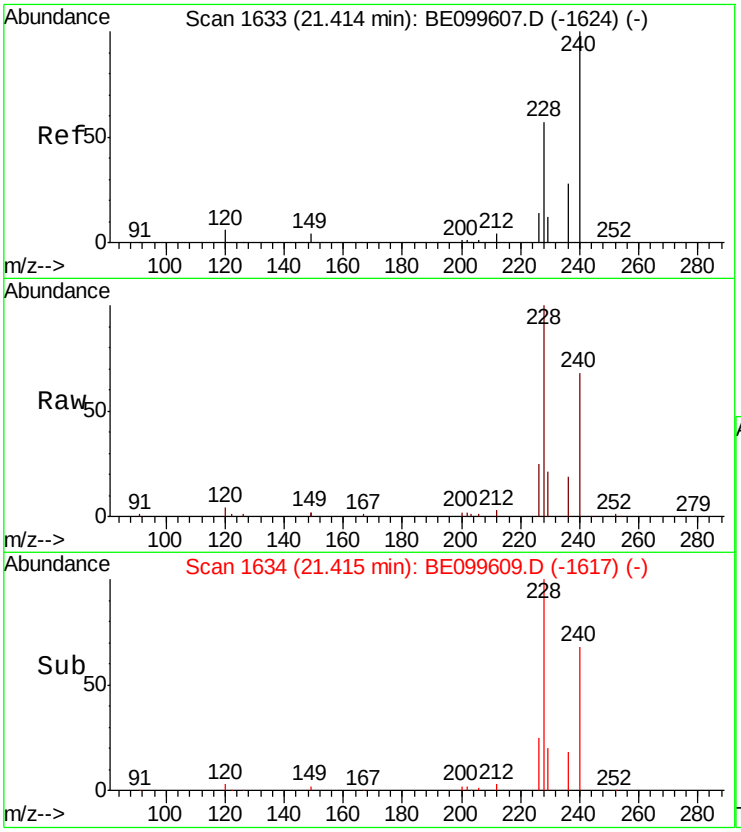




#26
Fluoranthene
Concen: 1.648 ng
RT: 19.29 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:202 Resp: 57828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.7 | 5.0 | 7.6 |
| 203 | 17.5 | 13.7 | 20.5 |



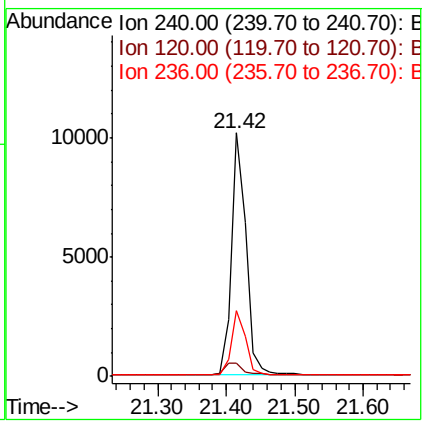


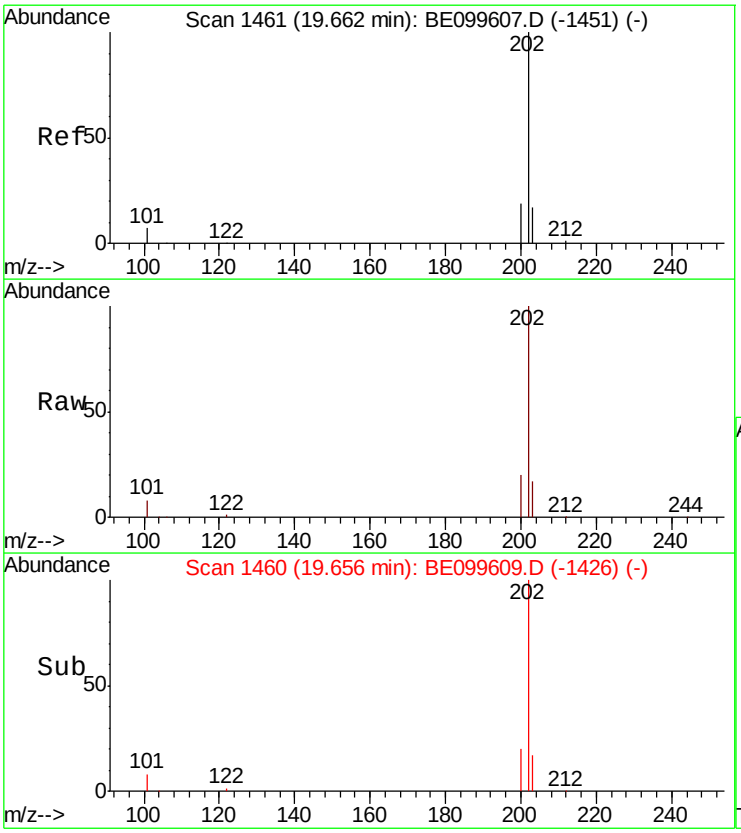

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:240 Resp: 14945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.5 | 5.7 | 8.5# |
| 236 | 27.1 | 22.8 | 34.2 |

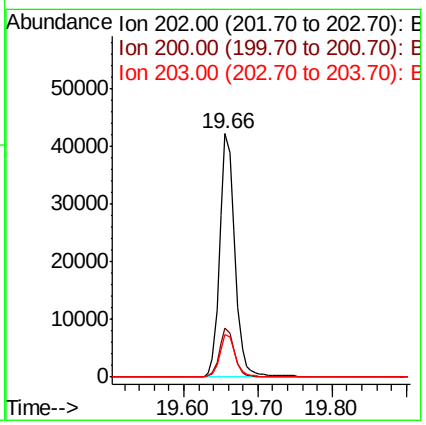


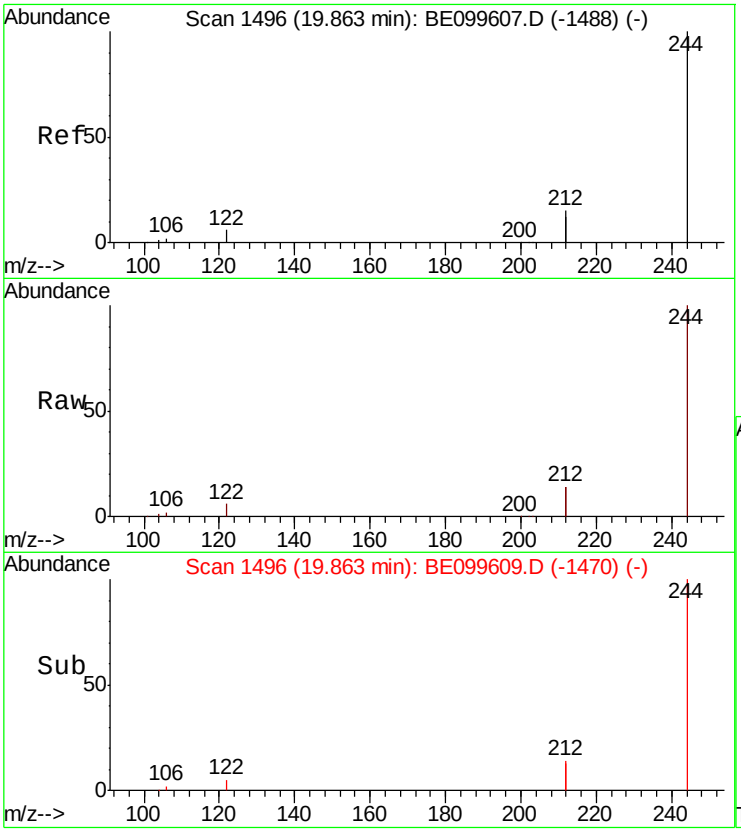




#28
Pyrene
Concen: 1.510 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:202 Resp: 59472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 15.8 | 23.6 |
| 203 | 17.6 | 14.1 | 21.1 |



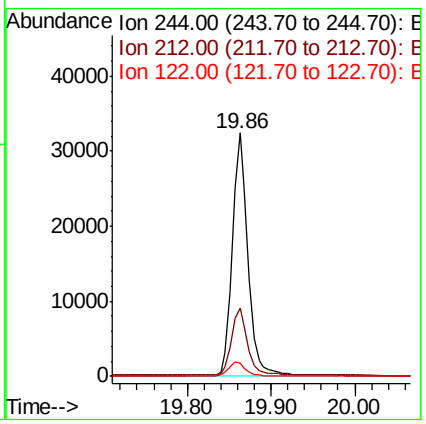


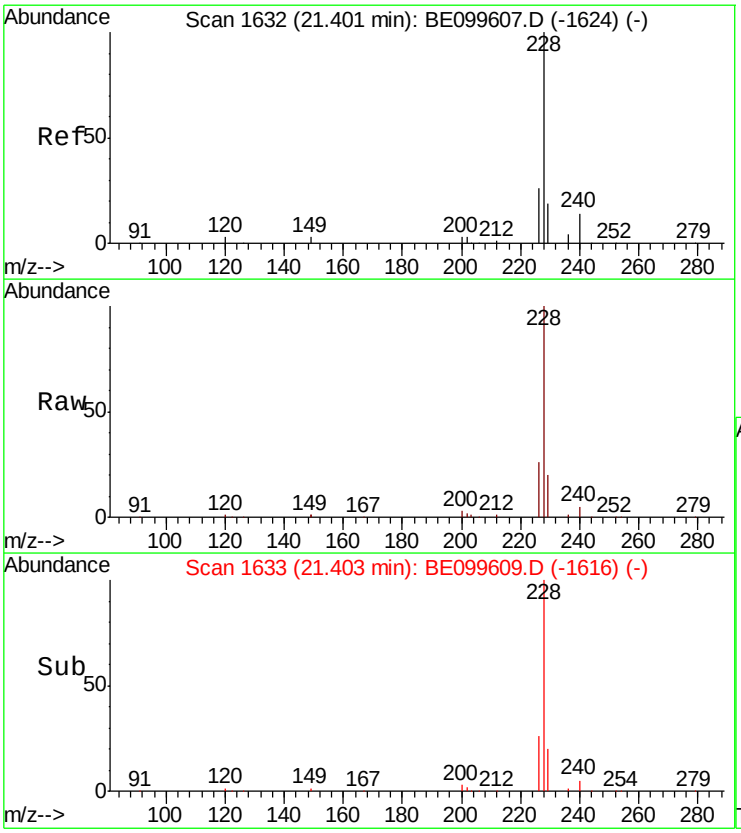

#29
Terphenyl-d14
Concen: 1.589 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:244 Resp: 42202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 27.9 | 23.8 | 35.6 |
| 122 | 5.6 | 5.0 | 7.6 |

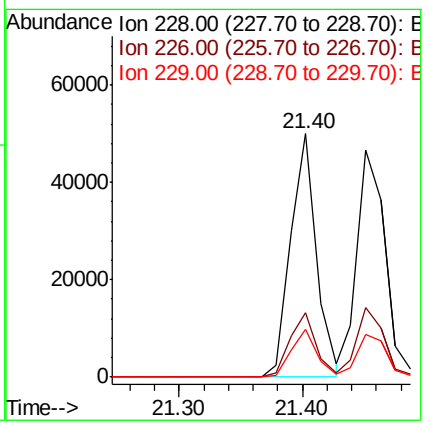


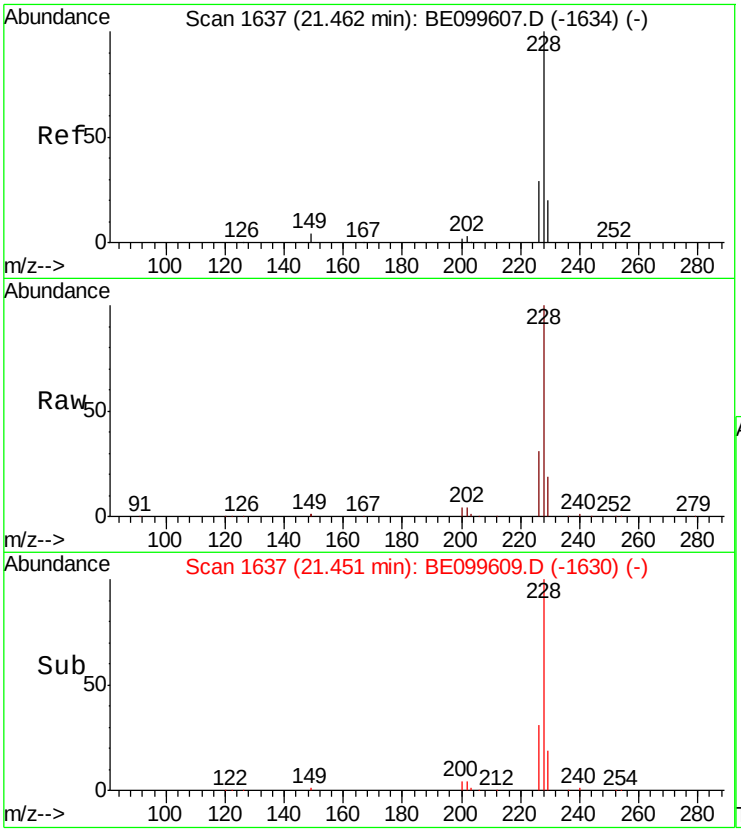




#30
Benzo(a)anthracene
Concen: 1.590 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:228 Resp: 72577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.2 | 21.4 | 32.2 |
| 229 | 19.9 | 15.8 | 23.8 |



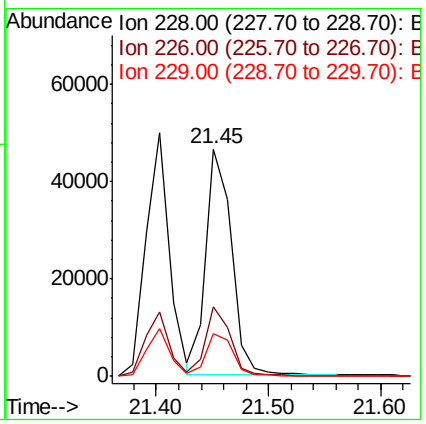


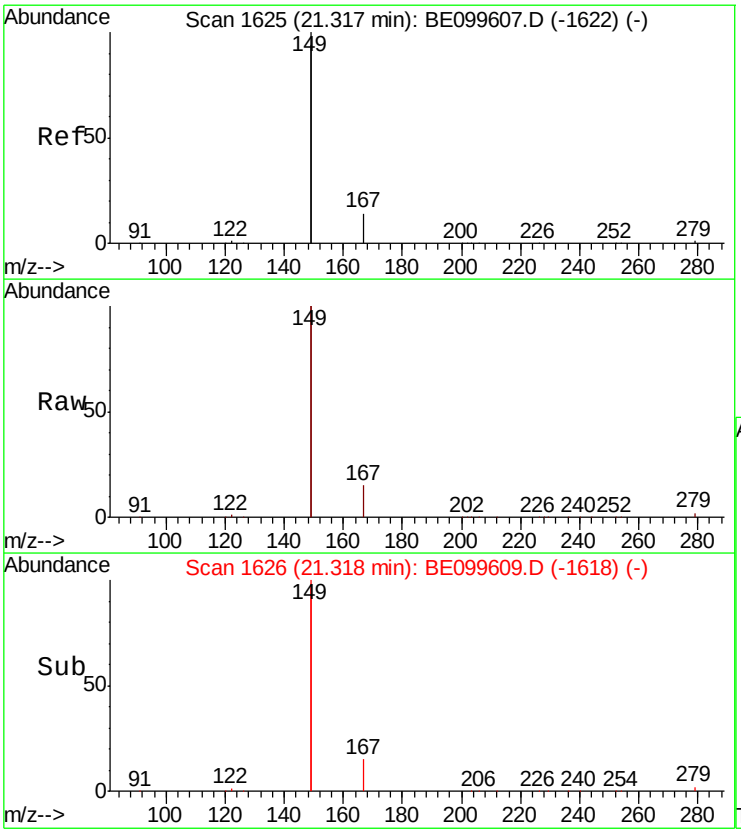

#31
Chrysene
Concen: 1.614 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:228 Resp: 73634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 23.0 | 34.4 |
| 229 | 19.0 | 16.4 | 24.6 |

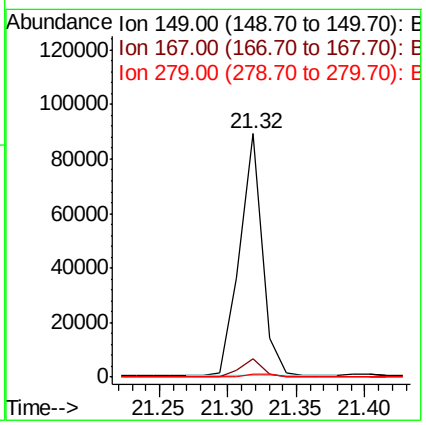


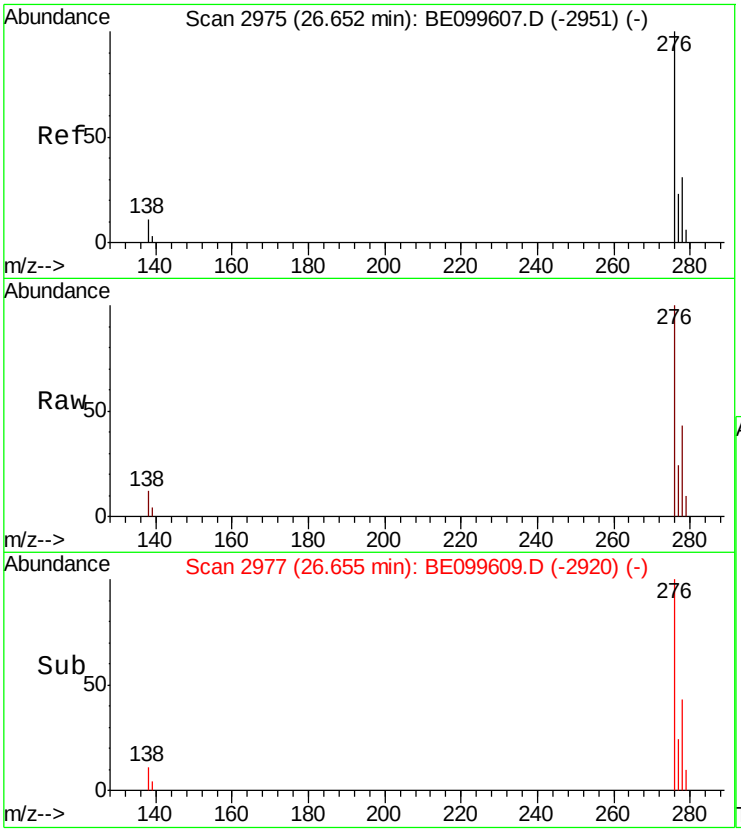




#32
Bis(2-ethylhexyl)phthalate
Concen: 1.552 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:149 Resp: 101816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.4 | 6.0 | 9.0 |
| 279 | 1.4 | 1.1 | 1.7 |



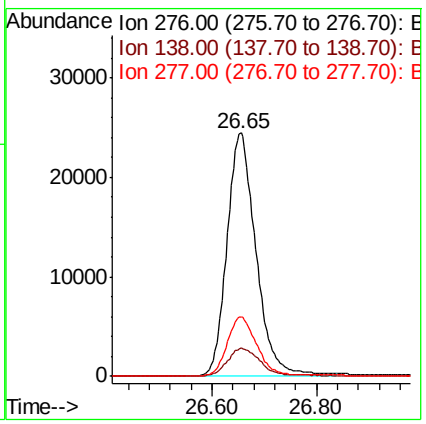


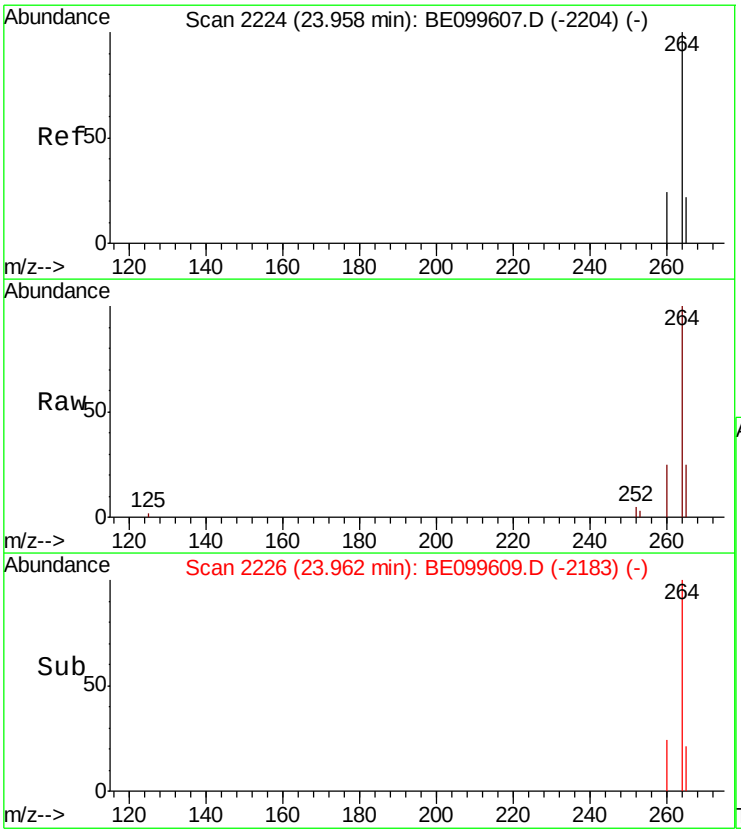

#33
Indeno(1,2,3-cd)pyrene
Concen: 1.648 ng
RT: 26.65 min Scan# 2977
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:276 Resp: 93806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 12.5 | 10.0 | 15.0 |
| 277 | 24.7 | 19.1 | 28.7 |

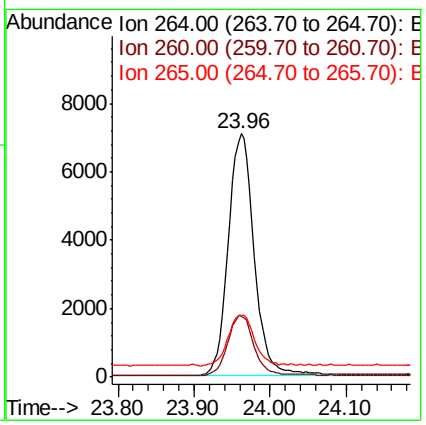


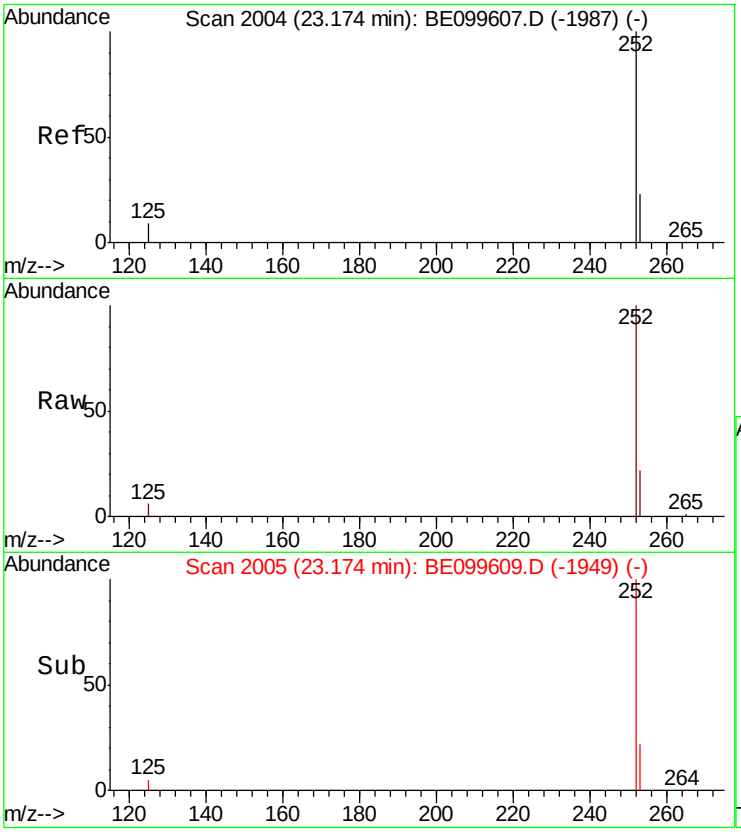




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:264 Resp: 16675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 19.7 | 29.5 |
| 265 | 25.3 | 21.2 | 31.8 |



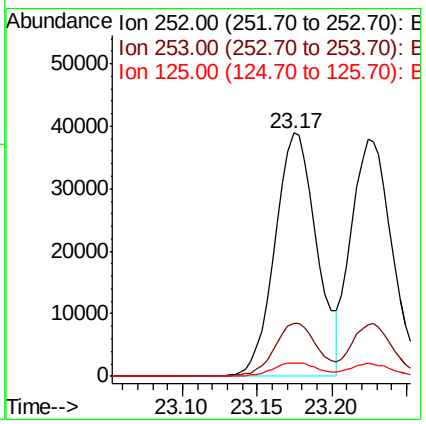


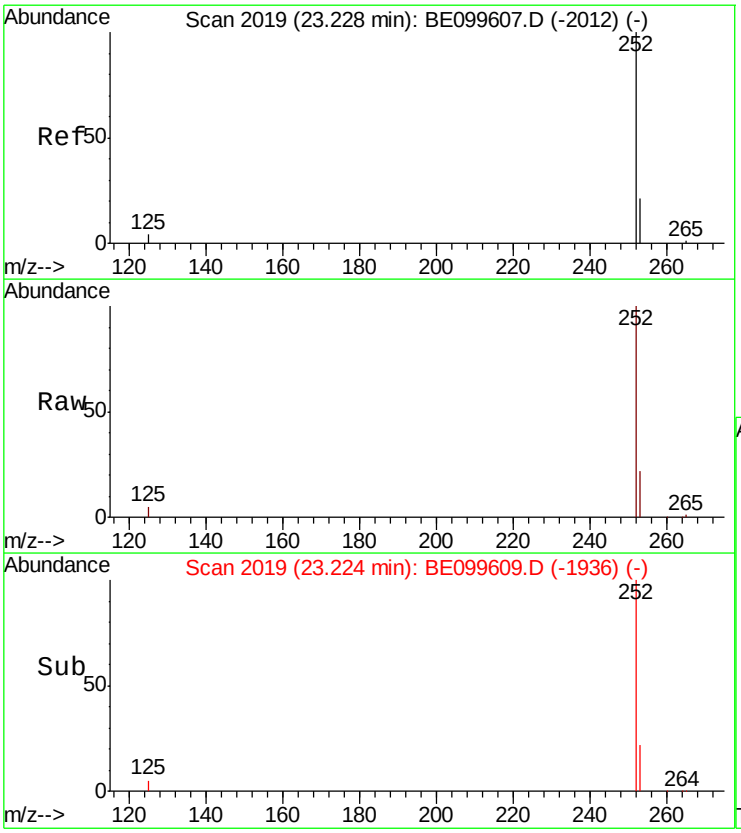

#35
Benzo(b)fluoranthene
Concen: 1.639 ng
RT: 23.17 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:252 Resp: 75480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 19.1 | 28.7 |
| 125 | 5.6 | 7.8 | 11.8# |

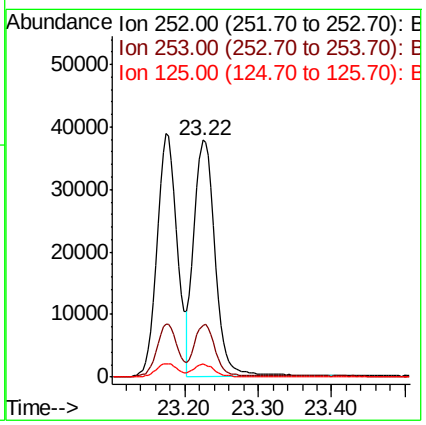


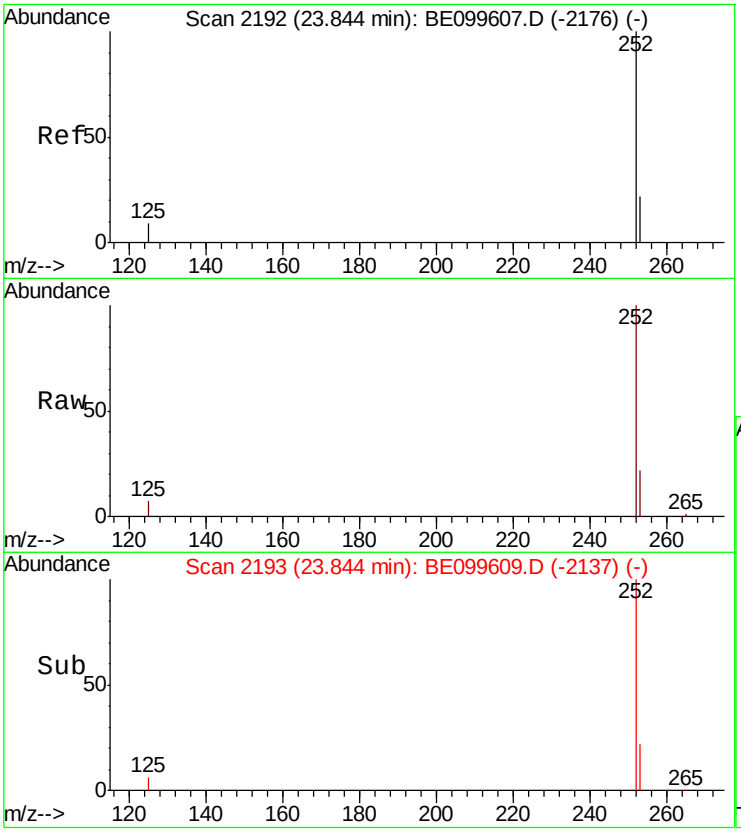




#36
Benzo(k)fluoranthene
Concen: 1.617 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:252 Resp: 74040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.6 | 28.0 |
| 125 | 5.4 | 5.2 | 7.8 |



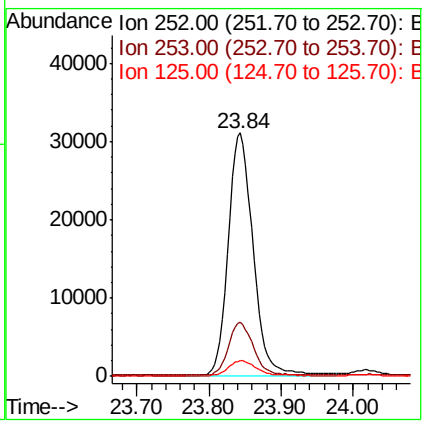


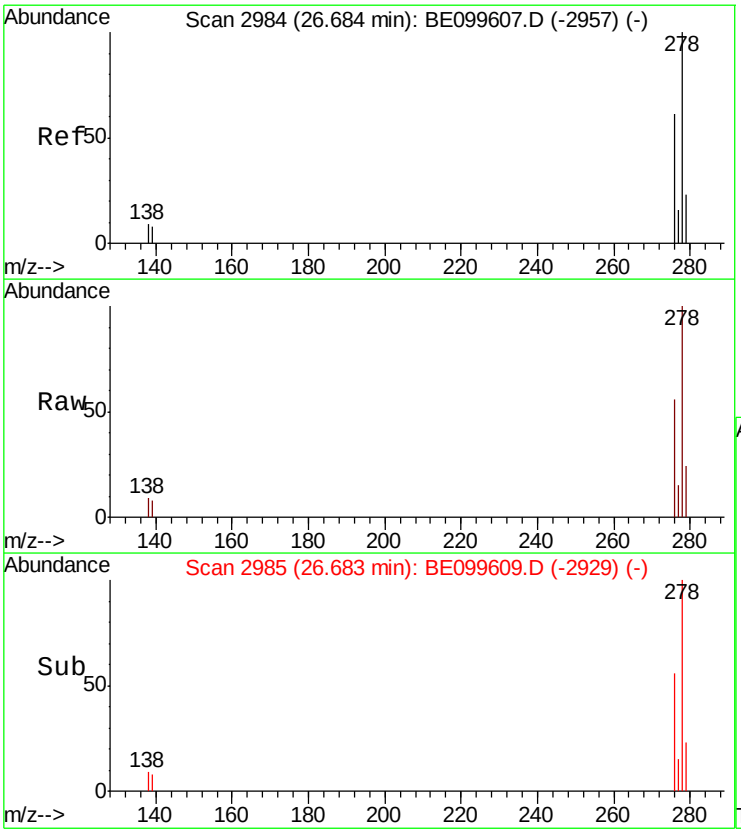

#37
Benzo(a)pyrene
Concen: 1.619 ng
RT: 23.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:252 Resp: 72260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 19.0 | 28.6 |
| 125 | 6.5 | 8.8 | 13.2# |

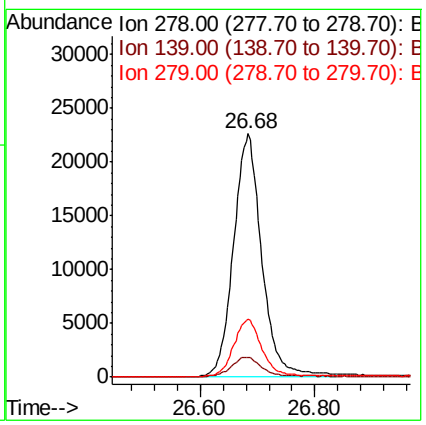


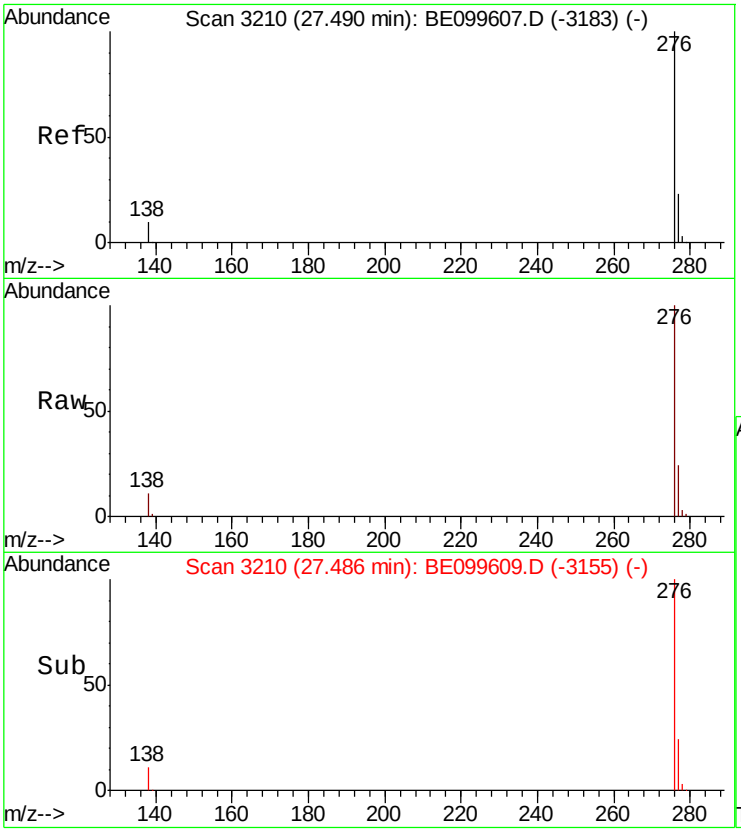




#38
Dibenzo(a,h)anthracene
Concen: 1.650 ng
RT: 26.68 min Scan# 2985
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:278 Resp: 76963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 8.2 | 7.9 | 11.9 |
| 279 | 23.7 | 19.5 | 29.3 |






#39
Benzo(g,h,i)perylene
Concen: 1.641 ng
RT: 27.49 min Scan# 3210
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:276 Resp: 77486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.3 | 28.9 |
| 138 | 11.3 | 9.1 | 13.7 |