Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070519\
Data File : BE100402.D
Acq On : 6 Jul 2019 4:19
Operator : JU/SJ
Sample : K3561-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** EXT-016-SW099-062519

Quant Time: Jul 06 05:40:50 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 | 7.63 | 152 | 609 | 0.40 | ng | | -0.01 |
| 7) Naphthalene-d8 | 10.42 | 136 | 2073 | 0.40 | ng | | -0.03 |
| 13) Acenaphthene-d10 | 14.30 | 164 | 1562 | 0.40 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.04 | 188 | 4738 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.23 | 240 | 5891 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.65 | 264 | 7568 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.20 | 112 | 311 | 0.20 | ng | | -0.01 |
| 5) Phenol-d6 | 6.83 | 99 | 422 | 0.21 | ng | | -0.01 |
| 8) Nitrobenzene-d5 | 8.82 | 82 | 397 | 0.19 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 776 | 0.20 | ng | | -0.01 |
| 14) 2,4,6-Tribromophenol | 15.81 | 330 | 166 | 0.15 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 12.93 | 172 | 1321 | 0.22 | ng | | -0.01 |
| 25) Fluoranthene-d10 | 19.08 | 212 | 13082 | 0.19 | ng | | -0.02 |
| 29) Terphenyl-d14 | 19.68 | 244 | 2785 | 0.23 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 17) Acenaphthene | 14.36 | 154 | 115 | 0.027 | ng | # | 90 |
| 18) Fluorene | 15.35 | 166 | 127 | 0.020 | ng | # | 94 |
| 23) Phenanthrene | 17.09 | 178 | 4454 | 0.388 | ng | | 97 |
| 24) Anthracene | 17.19 | 178 | 569 | 0.055 | ng | # | 90 |
| 26) Fluoranthene | 19.11 | 202 | 8621 | 0.471 | ng | | 98 |
| 28) Pyrene | 19.48 | 202 | 15301 | 0.981 | ng | # | 94 |
| 30) Benzo(a)anthracene | 21.22 | 228 | 7407 | 0.382 | ng | # | 92 |
| 31) Chrysene | 21.27 | 228 | 8381 | 0.431 | ng | | 94 |
| 32) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 3258 | 0.061 | ng | # | 98 |
| 33) Indeno(1,2,3-cd)pyrene | 26.20 | 276 | 3446 | 0.134 | ng | # | 93 |
| 35) Benzo(b)fluoranthene | 22.91 | 252 | 7273 | 0.354 | ng | | 94 |
| 36) Benzo(k)fluoranthene | 22.91 | 252 | 7273 | 0.318 | ng | # | 89 |
| 37) Benzo(a)pyrene | 23.55 | 252 | 6415 | 0.312 | ng | | 95 |
| 38) Dibenzo(a,h)anthracene | 26.21 | 278 | 859 | 0.040 | ng | # | 43 |
| 39) Benzo(g,h,i)perylene | 26.98 | 276 | 4350 | 0.197 | ng | # | 90 |

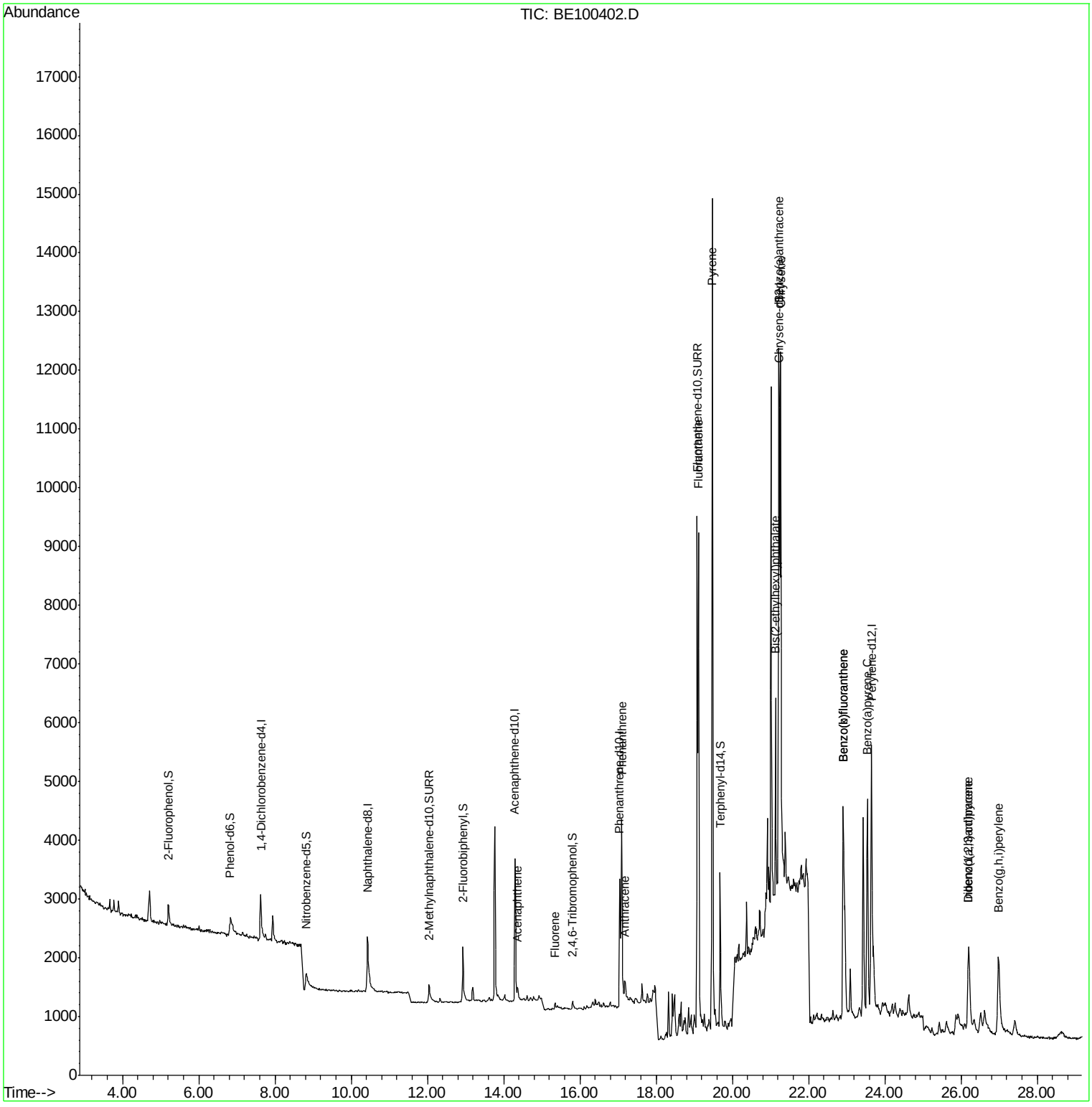
(#) = qualifier out of range (m) = manual integration (+) = signals summed

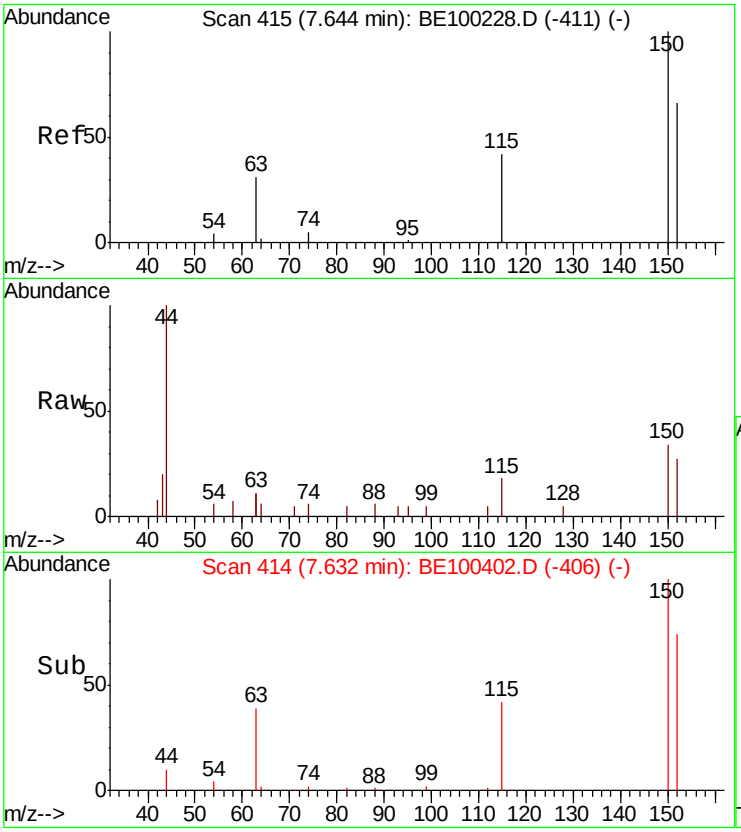
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070519\
Data File : BE100402.D
Acq On : 6 Jul 2019 4:19
Operator : JU/SJ
Sample : K3561-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Quant Time: Jul 06 05:40:50 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



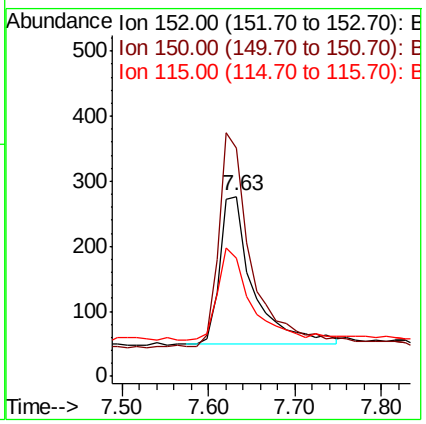


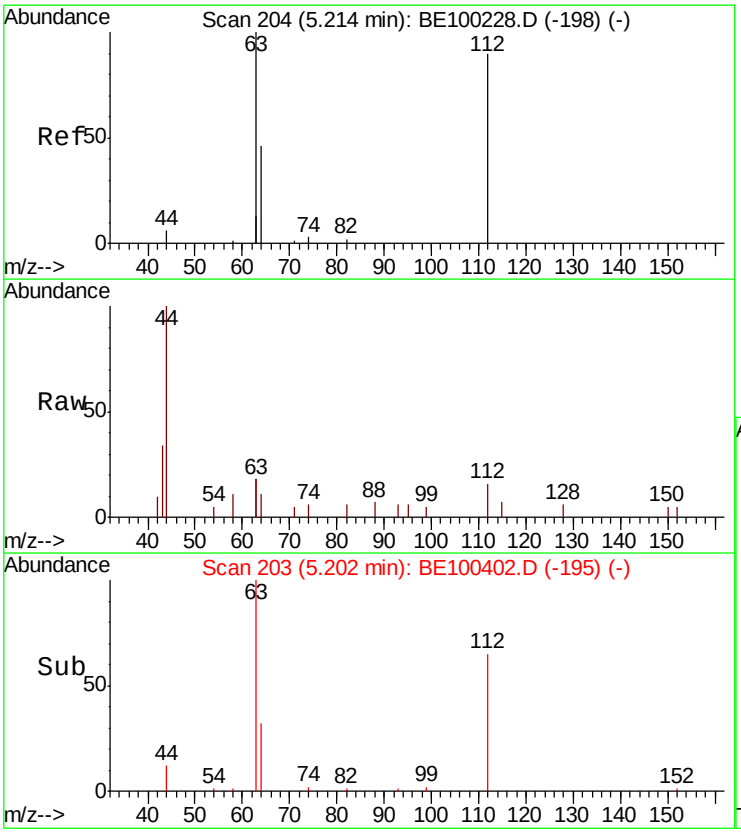

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:152 Resp: 609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 126.7 | 114.5 | 171.7 |
| 115 | 65.7 | 57.1 | 85.7 |

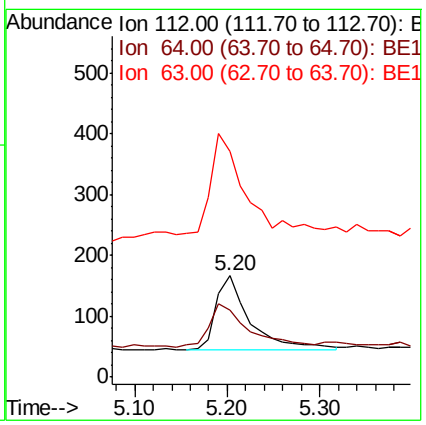


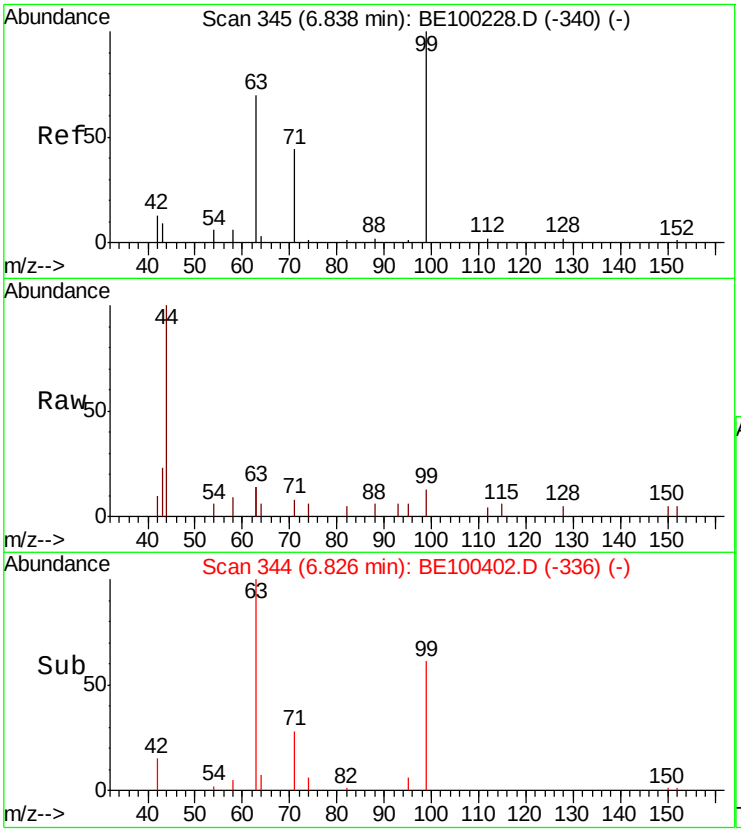




#4
2-Fluorophenol
Concen: 0.200 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:112 Resp: 311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.0 | 39.4 | 59.0# |
| 63 | 138.3 | 104.5 | 156.7 |



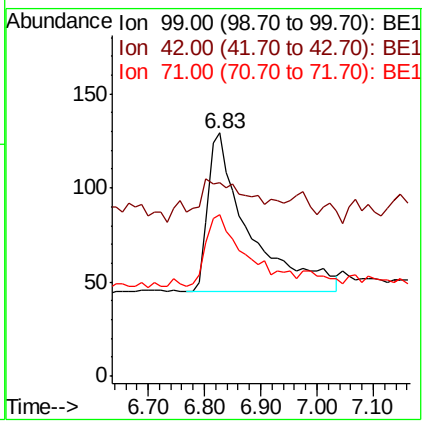


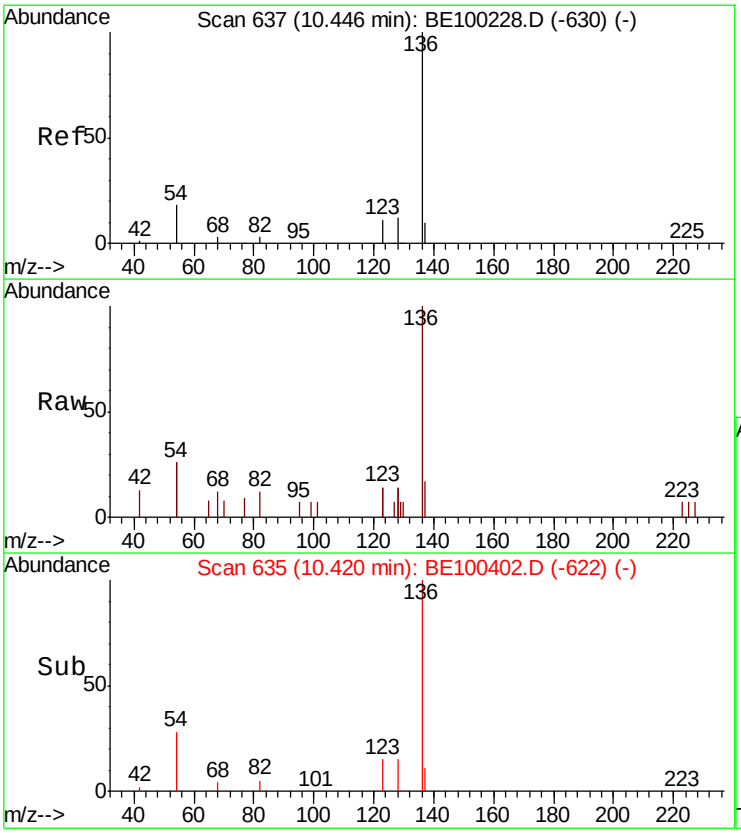

#5
Phenol-d6
Concen: 0.207 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion: 99 Resp: 422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 11.2 | 16.8# |
| 71 | 43.4 | 37.2 | 55.8 |

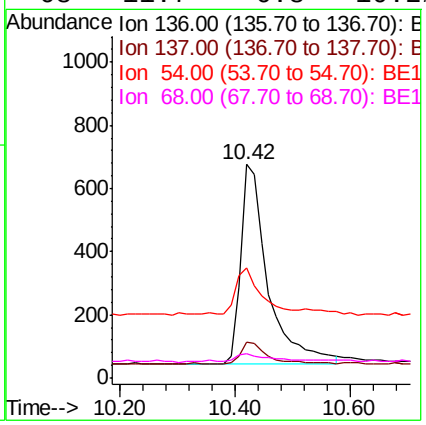


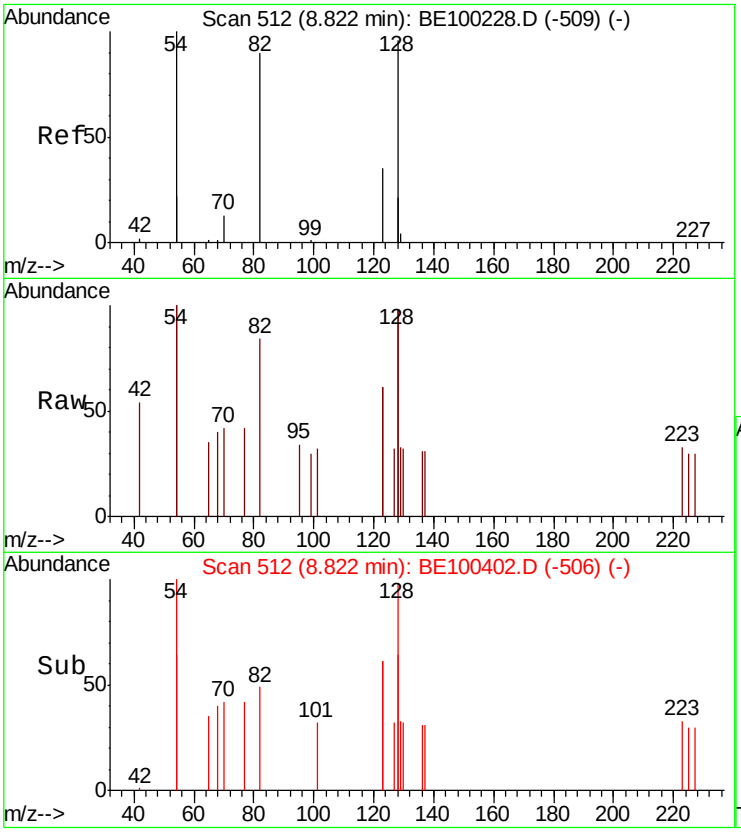




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.42 min Scan# 635
Delta R.T. -0.03 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:136 Resp: 2073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 16.9 | 11.8 | 17.8 |
| 54 | 51.5 | 27.7 | 41.5# |
| 68 | 11.7 | 6.8 | 10.2# |



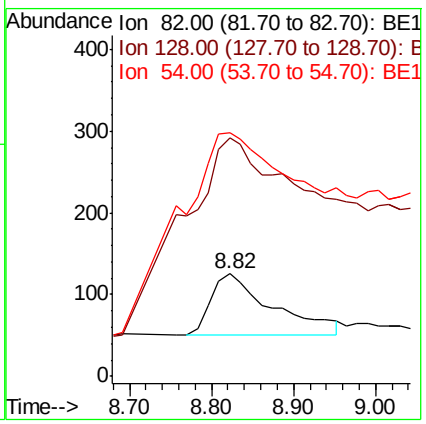


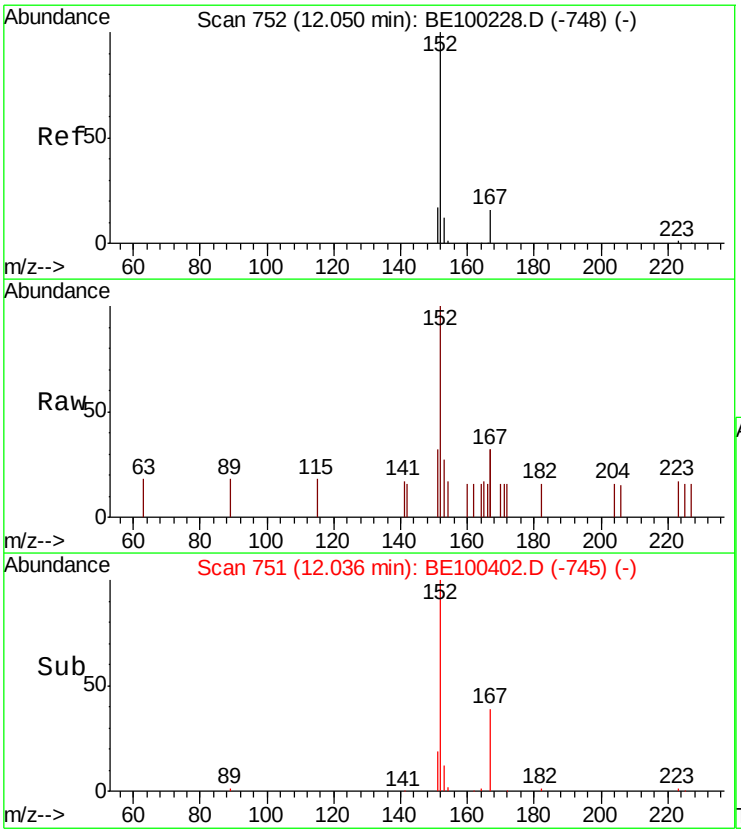

#8
Nitrobenzene-d5
Concen: 0.193 ng
RT: 8.82 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion: 82 Resp: 397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 233.6 | 140.9 | 211.3# |
| 54 | 238.4 | 146.2 | 219.2# |

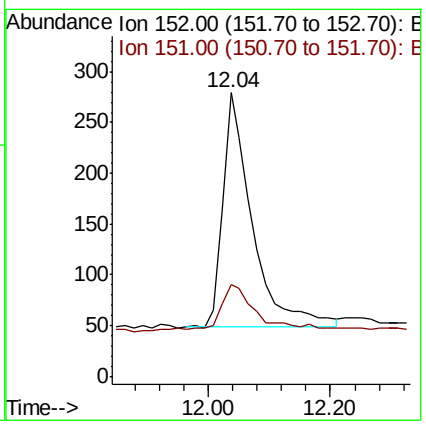


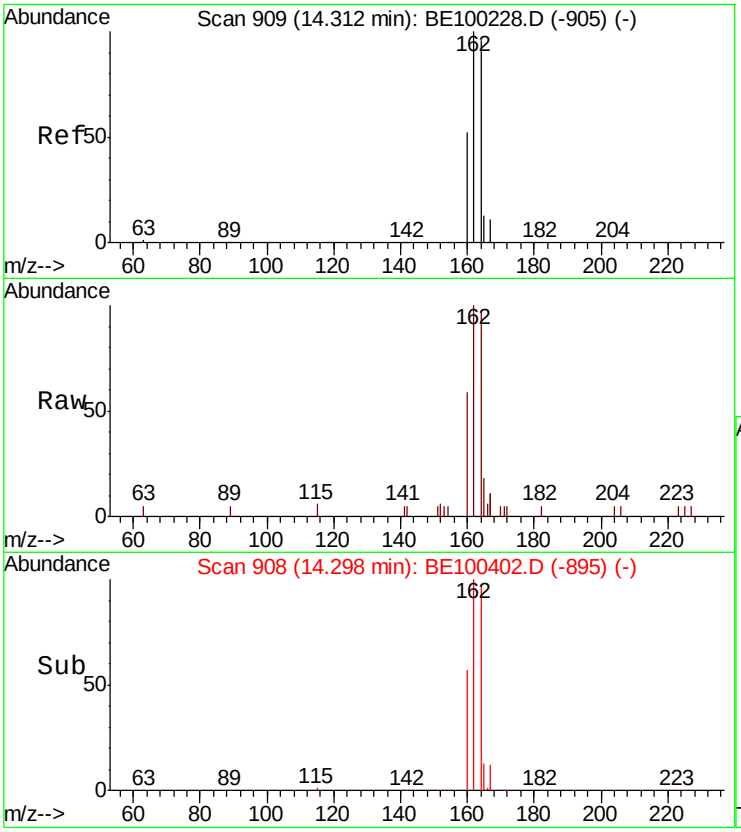




#11
2-Methylnaphthalene-d10
Concen: 0.199 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:152 Resp: 776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.8 | 15.1 | 22.7 |



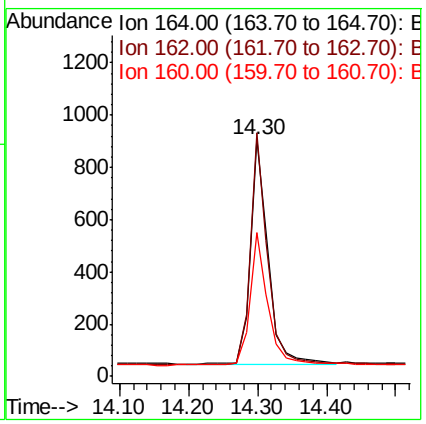


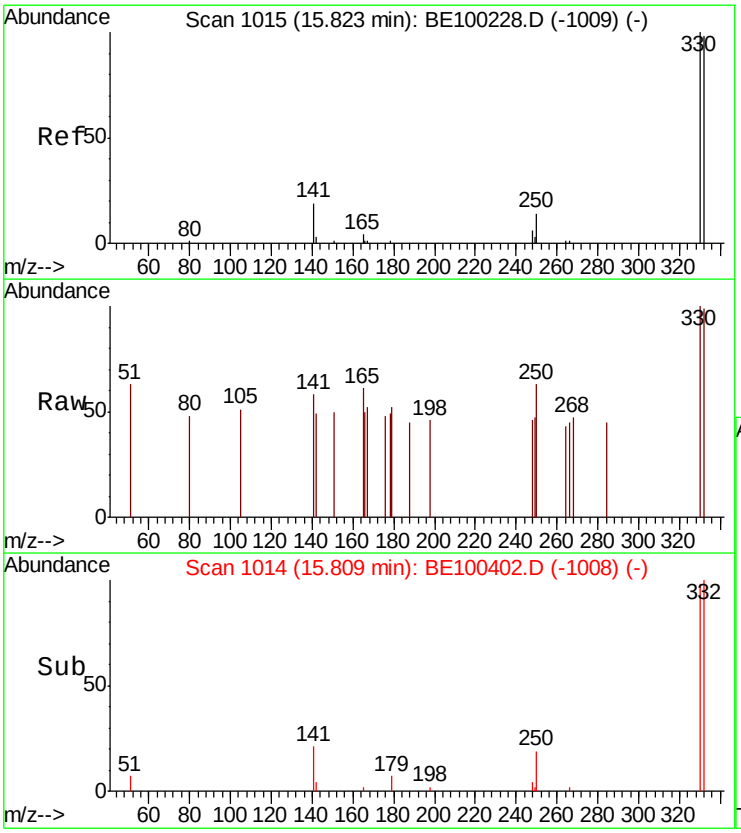

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:164 Resp: 1562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.6 | 83.4 | 125.0 |
| 160 | 60.7 | 45.0 | 67.6 |

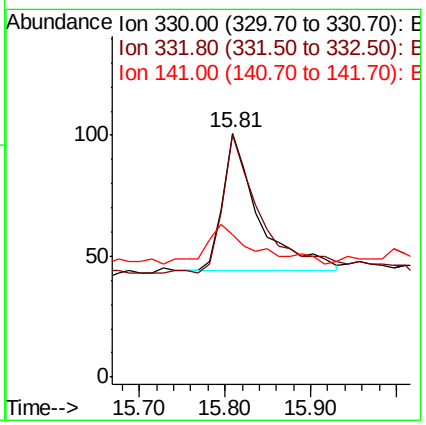


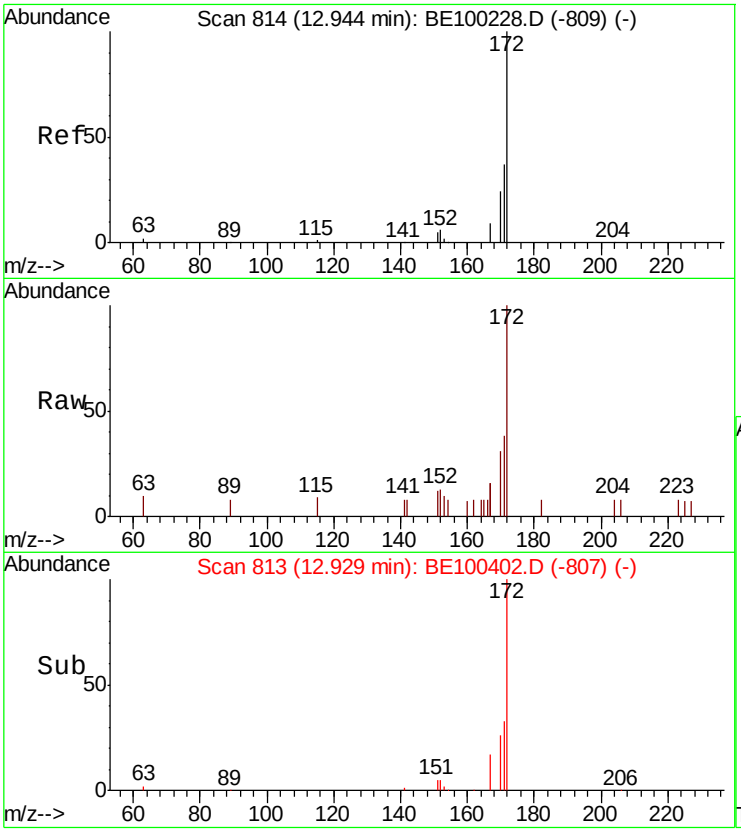




#14
2,4,6-Tribromophenol
Concen: 0.152 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:330 Resp: 166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 119.3 | 77.0 | 115.4# |
| 141 | 36.1 | 22.0 | 33.0# |



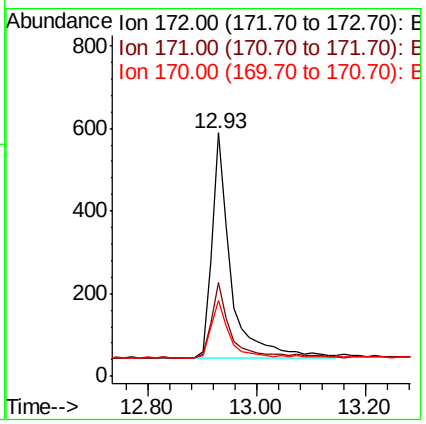


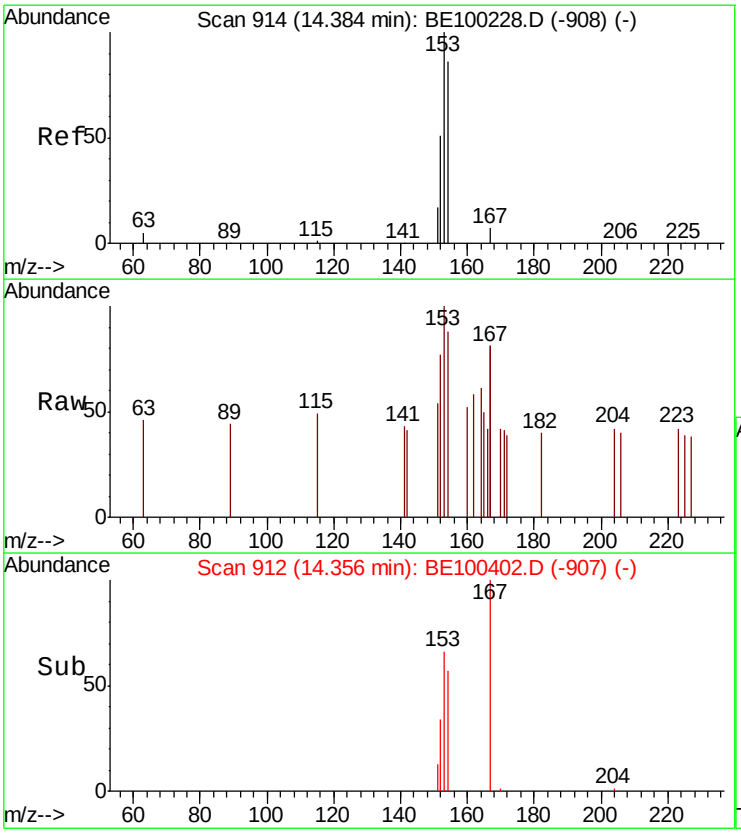

#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:172 Resp: 1321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.4 | 31.9 | 47.9 |
| 170 | 31.2 | 22.2 | 33.2 |

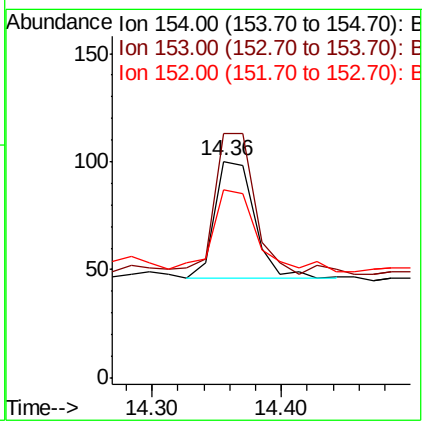


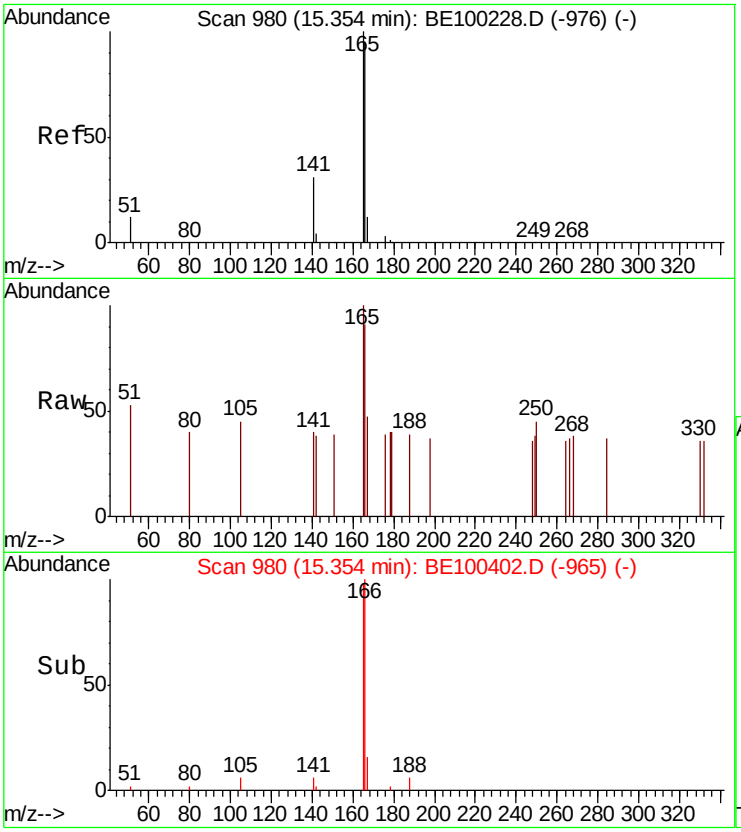




#17
Acenaphthene
Concen: 0.027 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:154 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 120.0 | 93.4 | 140.2 |
| 152 | 80.0 | 49.4 | 74.2# |



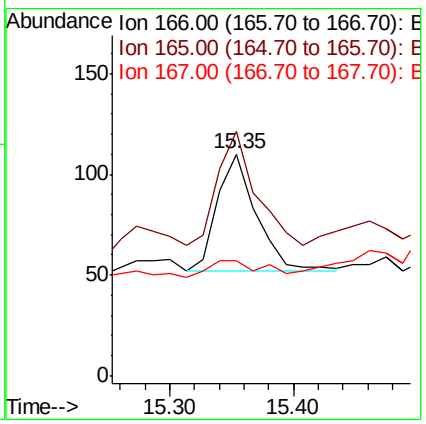


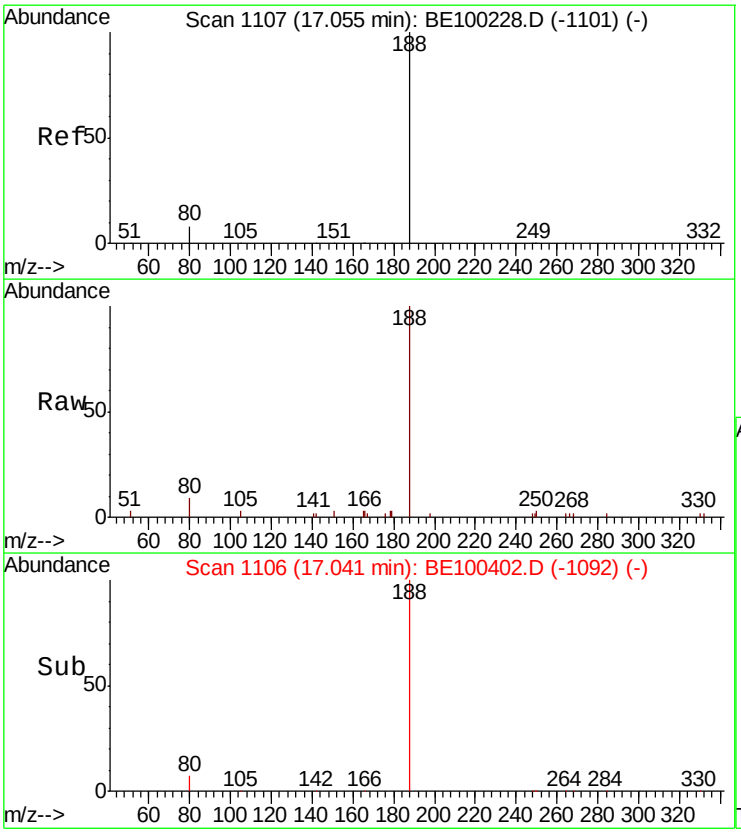

#18
Fluorene
Concen: 0.020 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:166 Resp: 127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.1 | 81.1 | 121.7 |
| 167 | 18.9 | 10.7 | 16.1# |

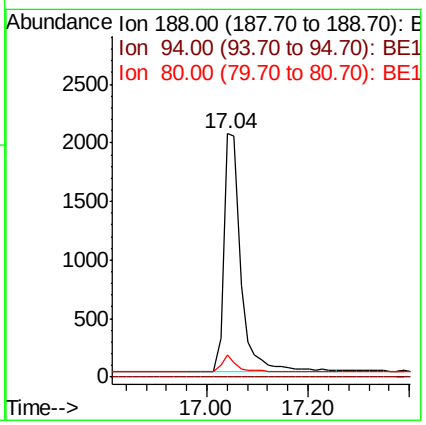


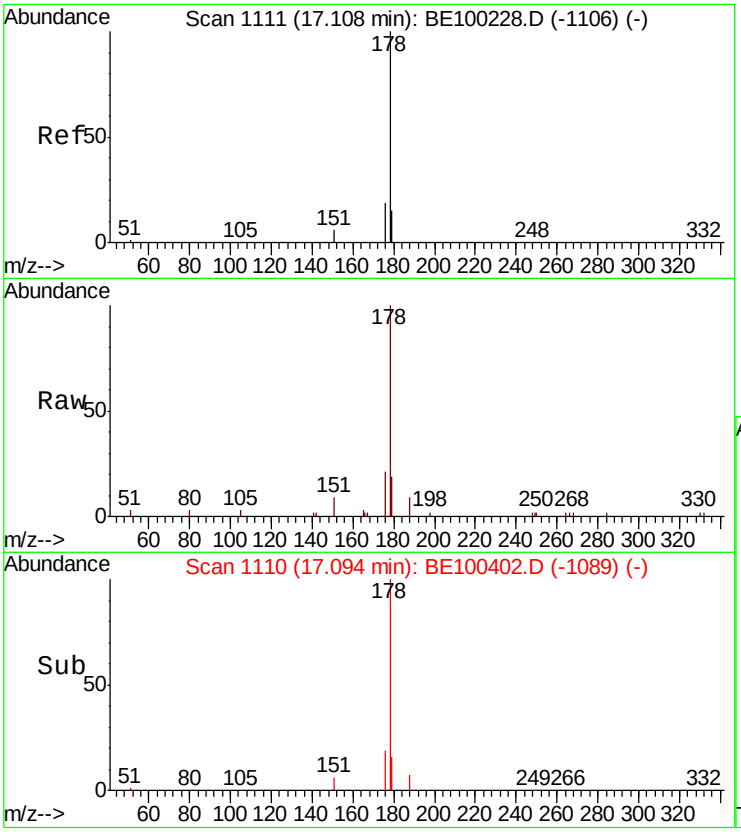




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:188 Resp: 4738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 9.2 | 7.6 | 11.4 |



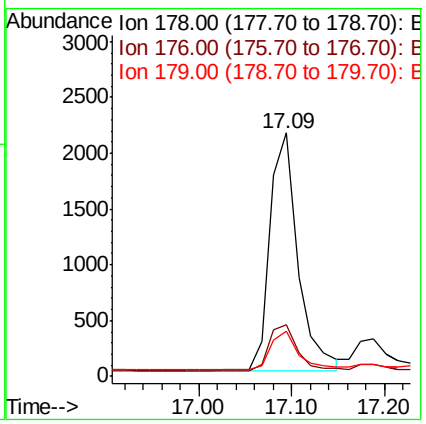


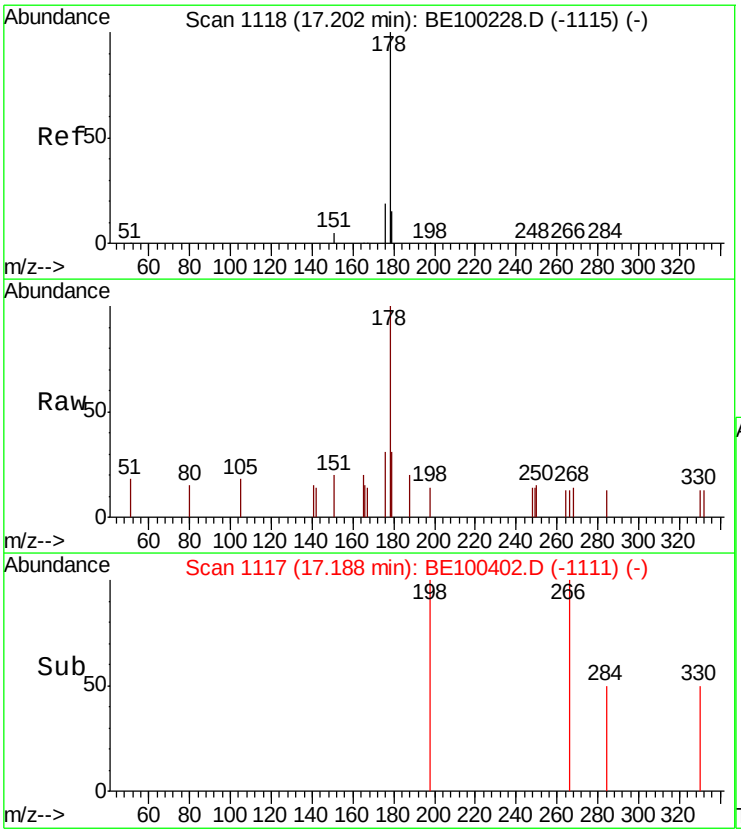

#23
Phenanthrene
Concen: 0.388 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:178 Resp: 4454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.9 | 23.9 |
| 179 | 17.2 | 12.2 | 18.2 |

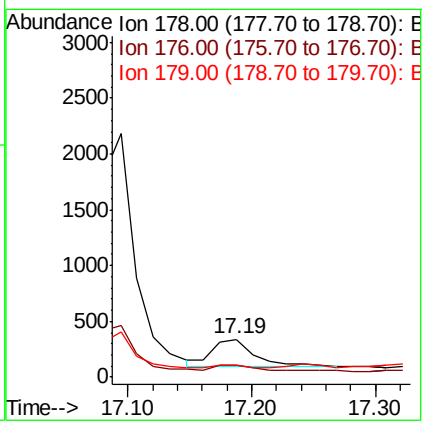


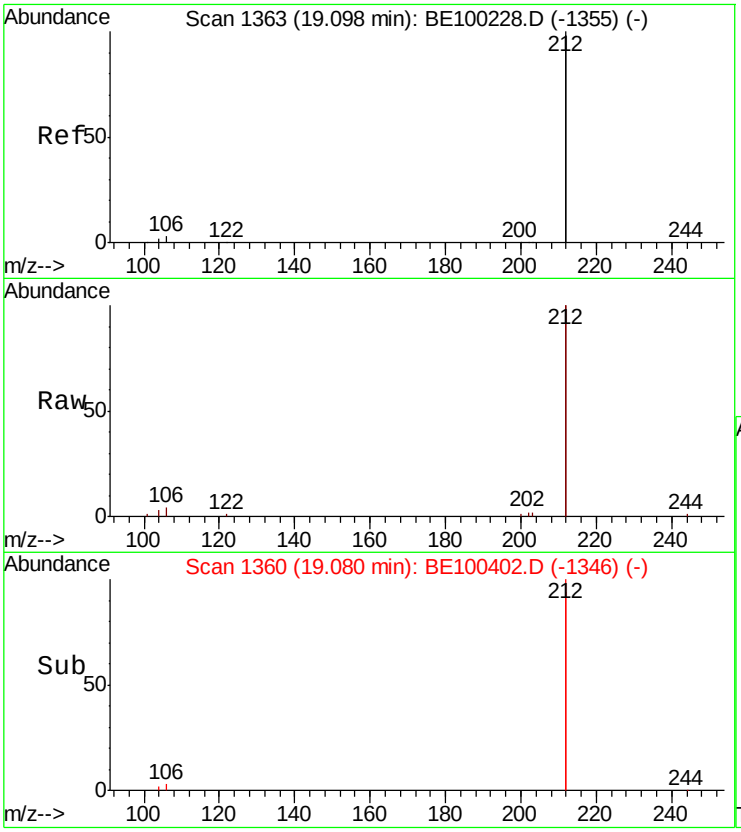




#24
Anthracene
Concen: 0.055 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:178 Resp: 569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.3 | 15.3 | 22.9 |
| 179 | 8.1 | 12.2 | 18.2# |



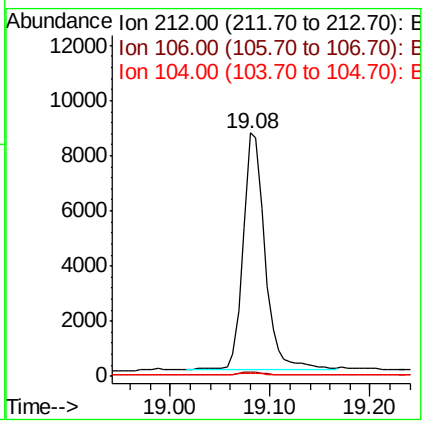


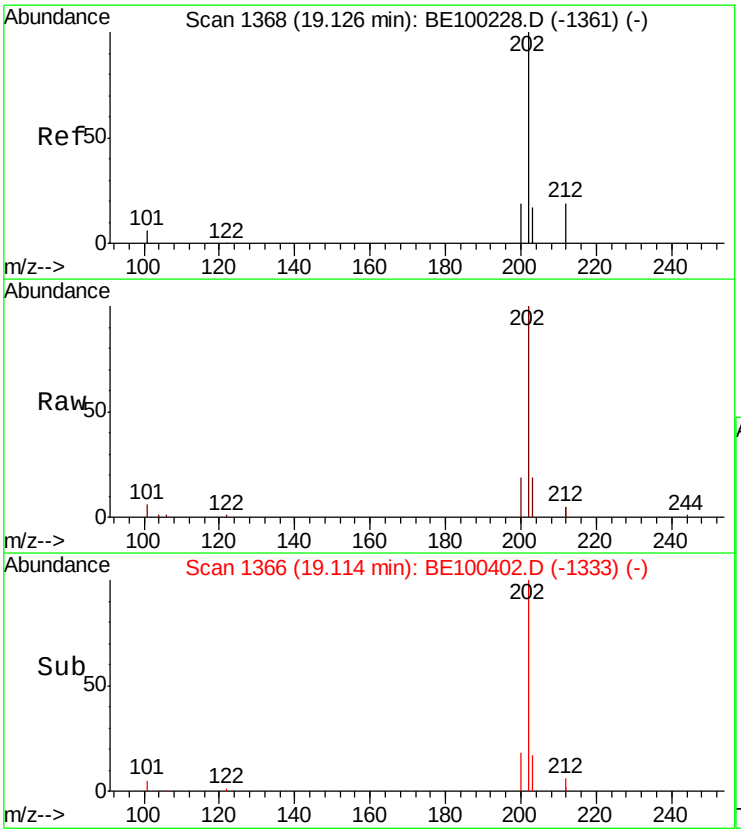

#25
Fluoranthene-d10
Concen: 0.190 ng
RT: 19.08 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:212 Resp: 13082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 1.4 | 1.3 | 1.9 |
| 104 | 1.0 | 0.8 | 1.2 |

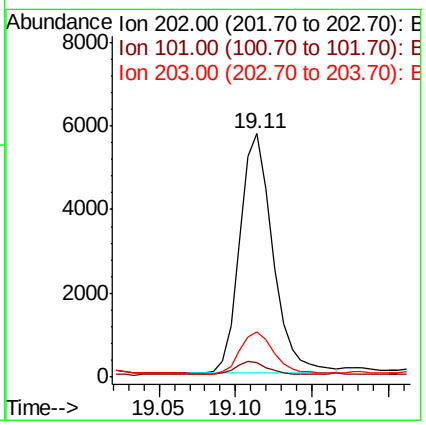


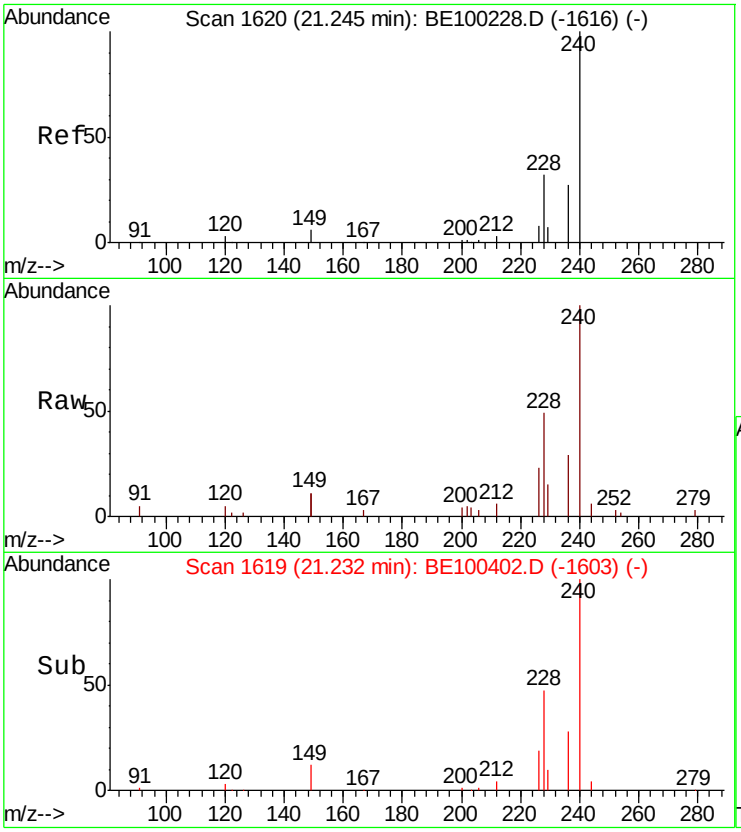




#26
Fluoranthene
Concen: 0.471 ng
RT: 19.11 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:202 Resp: 8621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 5.3 | 4.6 | 7.0 |
| 203 | 17.9 | 13.7 | 20.5 |



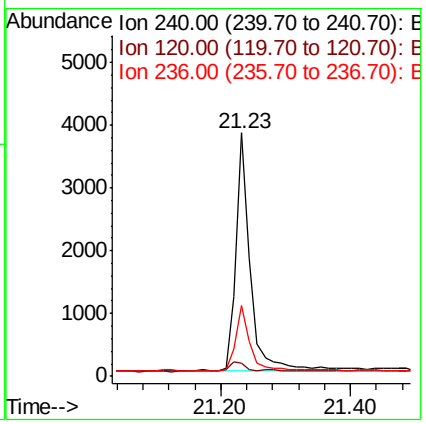


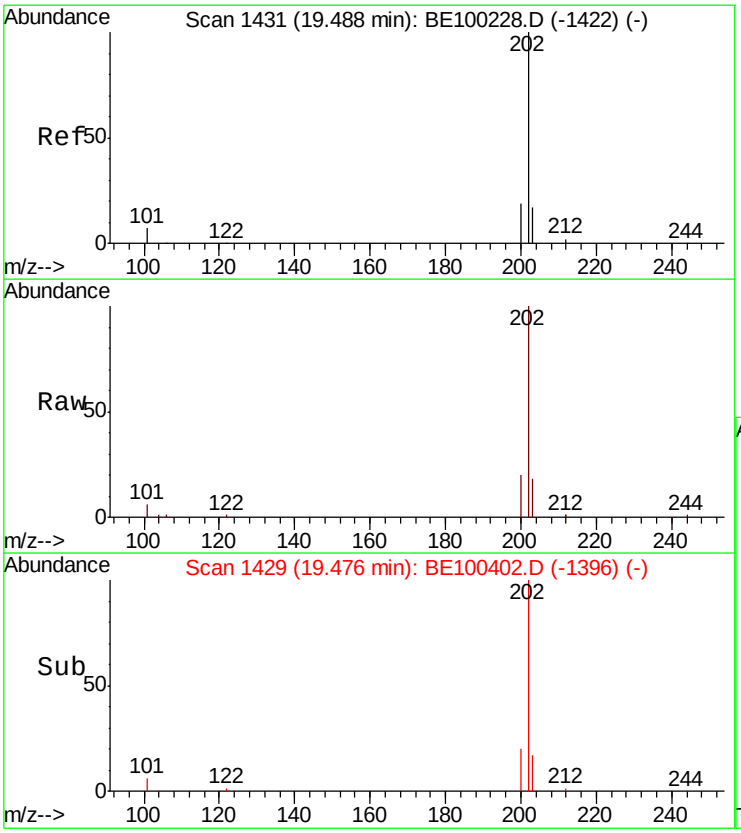

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:240 Resp: 5891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.4 | 3.3 | 4.9# |
| 236 | 29.1 | 22.6 | 34.0 |

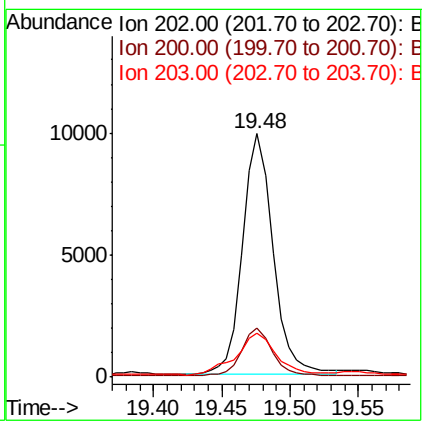


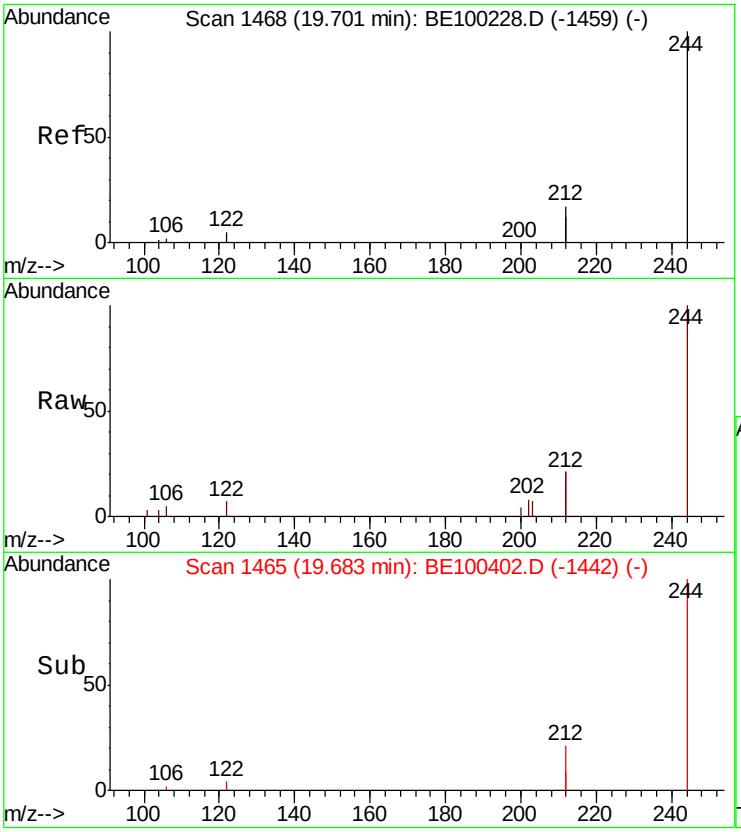




#28
Pyrene
Concen: 0.981 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:202 Resp: 15301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 15.6 | 23.4 |
| 203 | 22.4 | 14.0 | 21.0# |



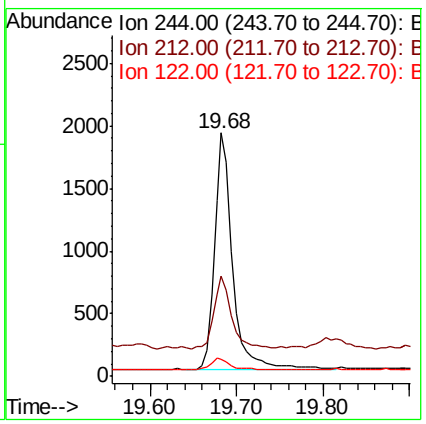


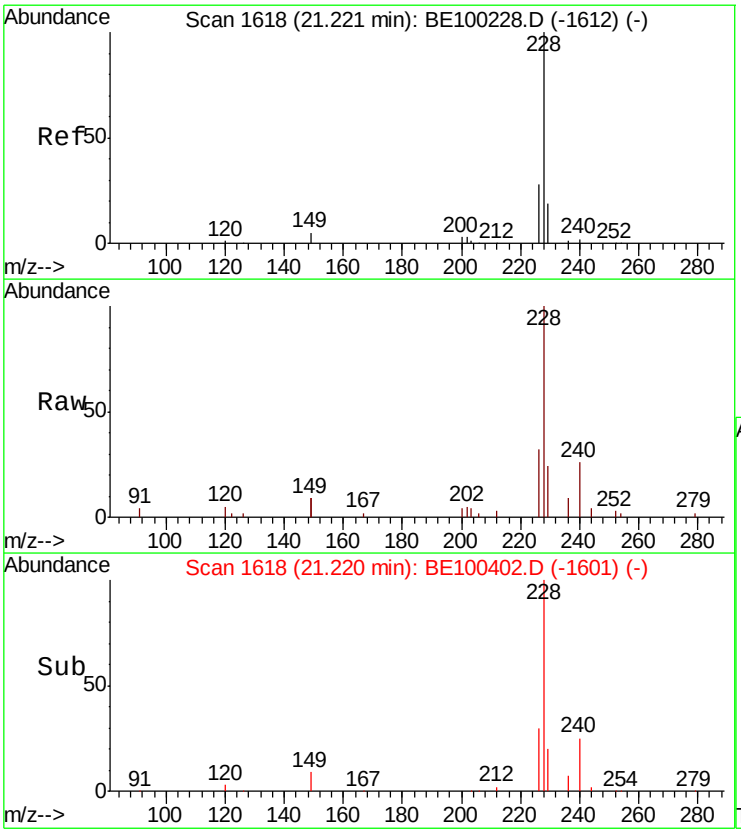

#29
Terphenyl-d14
Concen: 0.228 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:244 Resp: 2785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 41.3 | 27.3 | 40.9# |
| 122 | 6.9 | 4.7 | 7.1 |

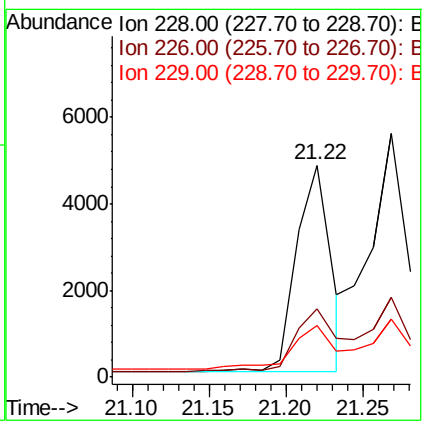


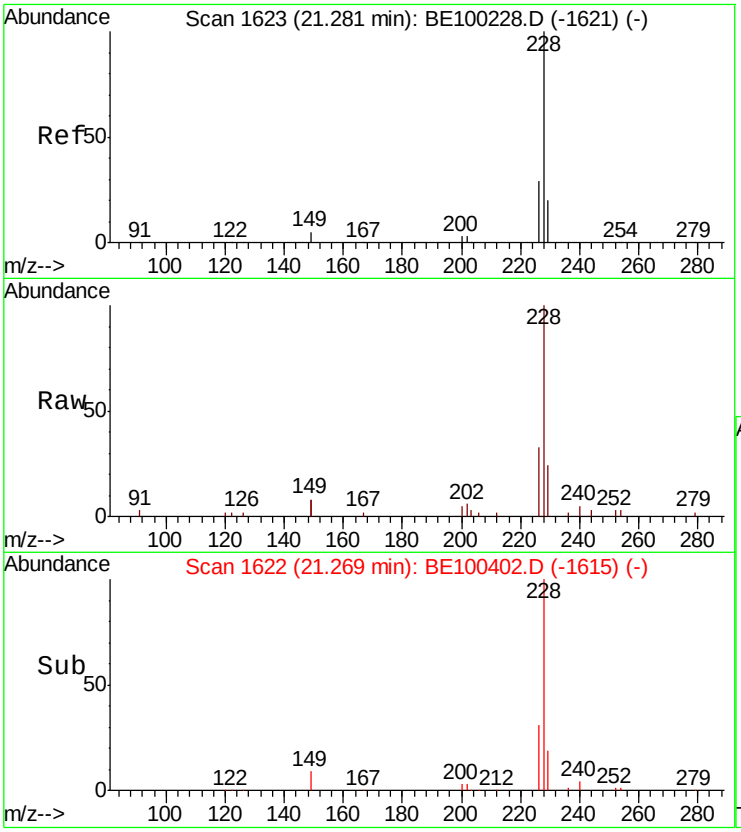




#30
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:228 Resp: 7407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.4 | 23.2 | 34.8 |
| 229 | 24.2 | 15.7 | 23.5# |



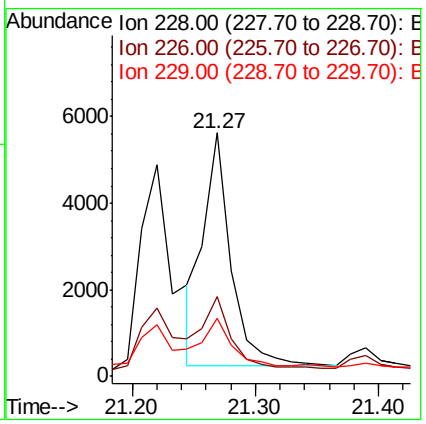


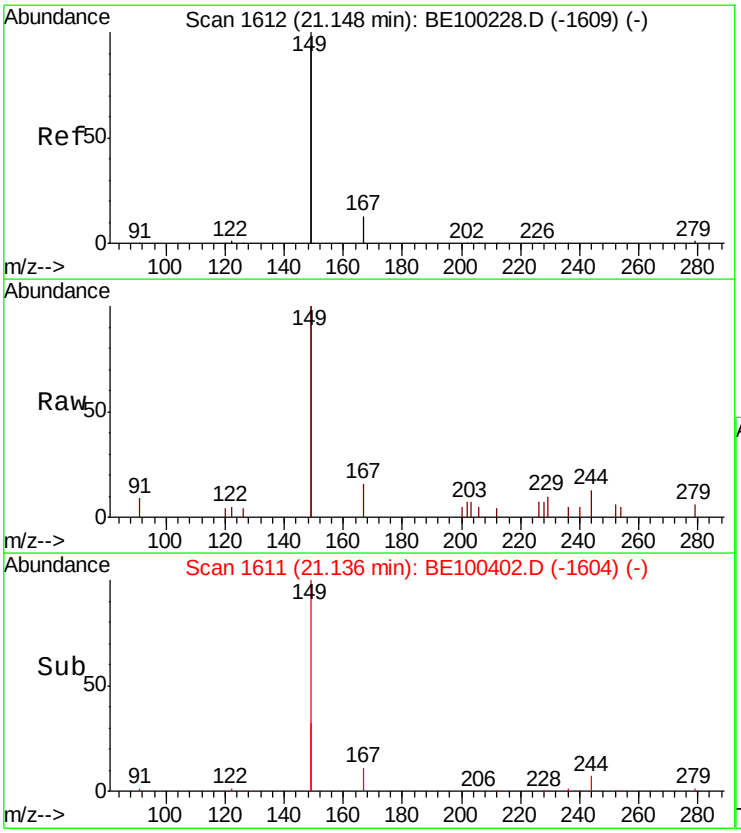

#31
Chrysene
Concen: 0.431 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:228 Resp: 8381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.8 | 23.9 | 35.9 |
| 229 | 23.7 | 16.5 | 24.7 |

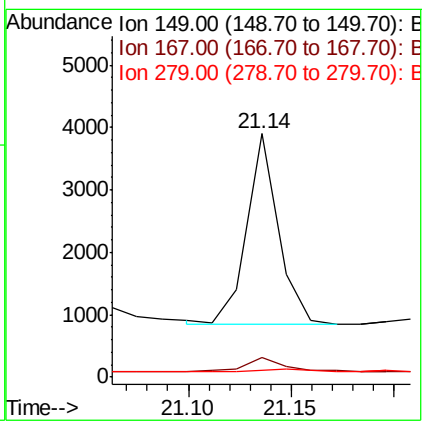


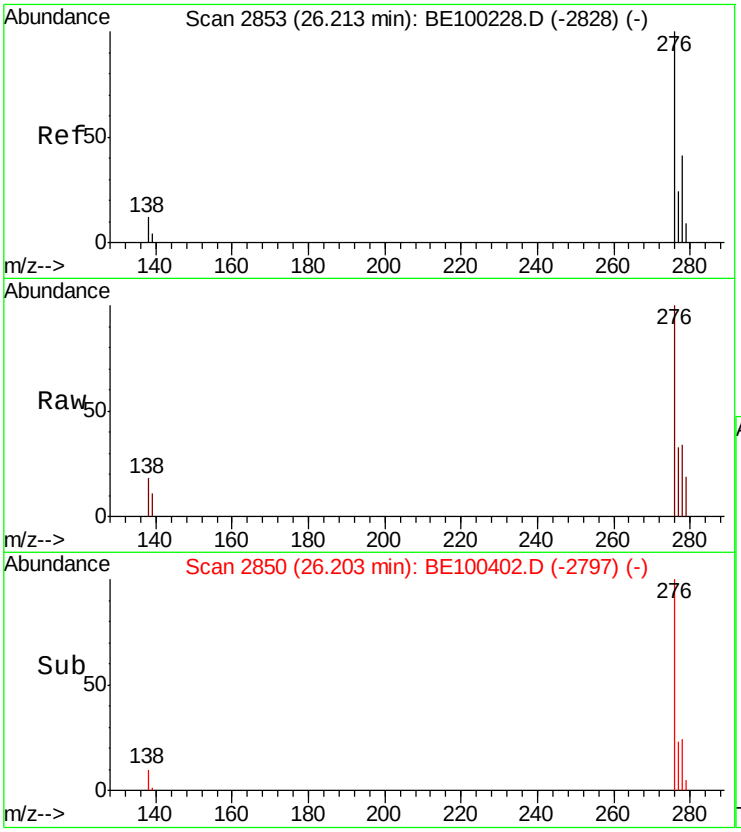




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ng
RT: 21.14 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:149 Resp: 3258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.9 | 5.8 | 8.8 |
| 279 | 2.6 | 1.1 | 1.7# |



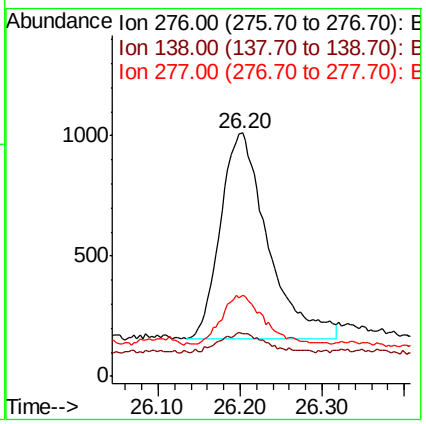


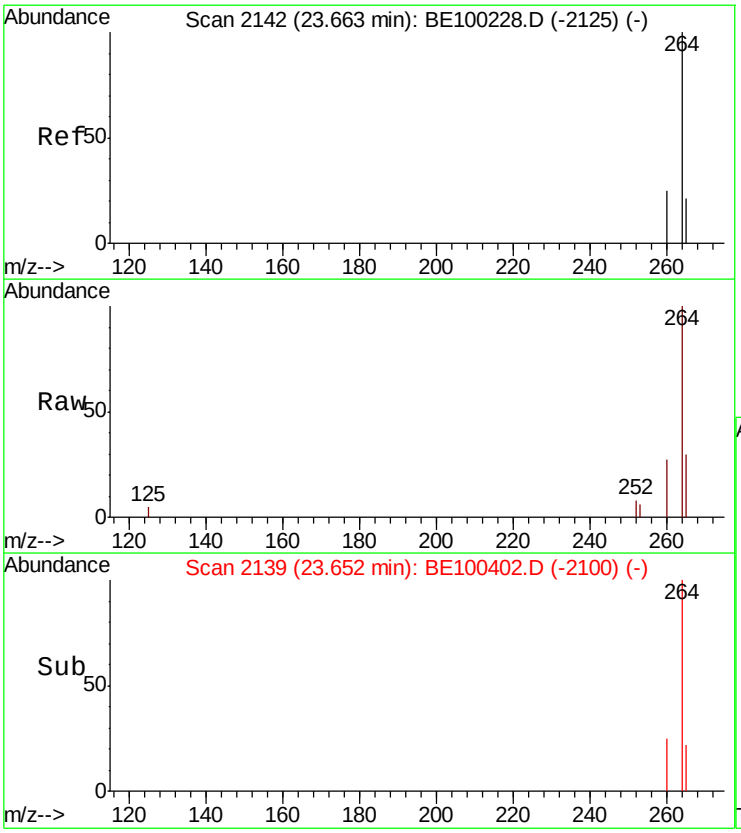

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.134 ng
RT: 26.20 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:276 Resp: 3446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 8.4 | 9.4 | 14.0# |
| 277 | 21.0 | 19.2 | 28.8 |

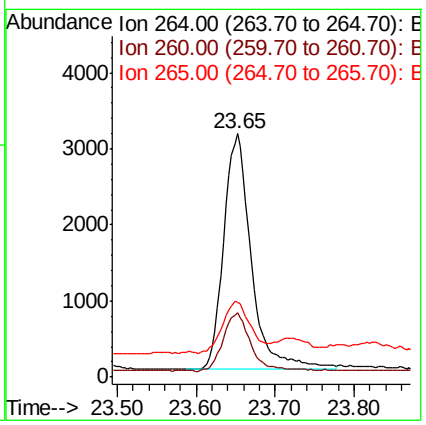


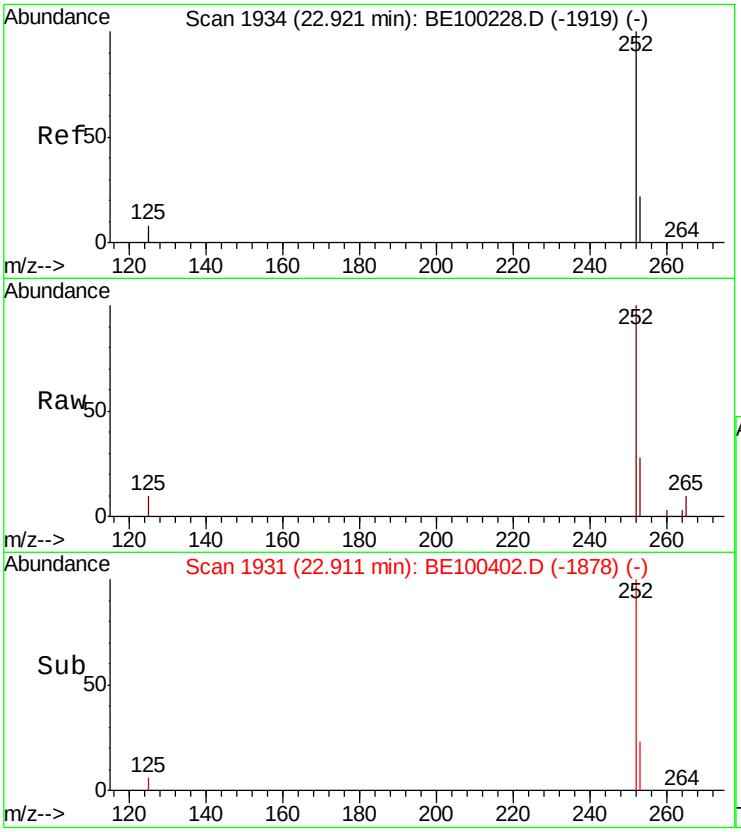




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:264 Resp: 7568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.5 | 20.8 | 31.2 |
| 265 | 30.5 | 21.8 | 32.6 |



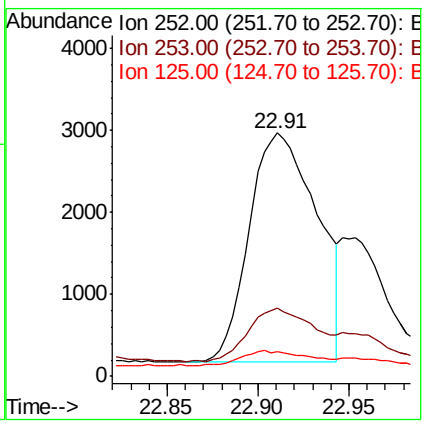


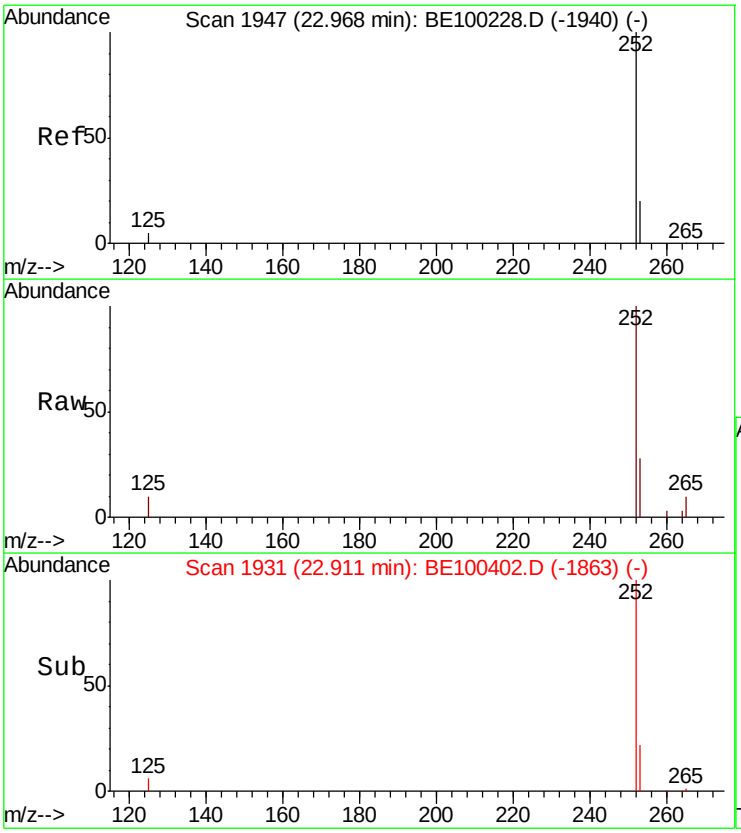

#35
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:252 Resp: 7273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.8 | 19.2 | 28.8 |
| 125 | 10.1 | 7.4 | 11.0 |

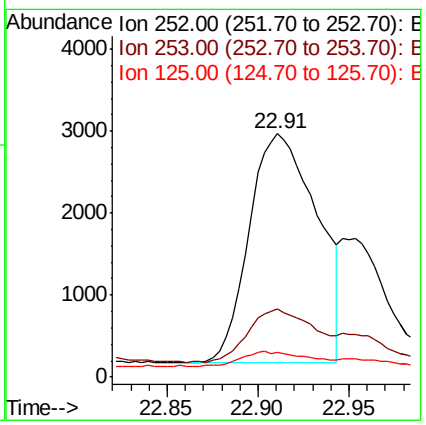


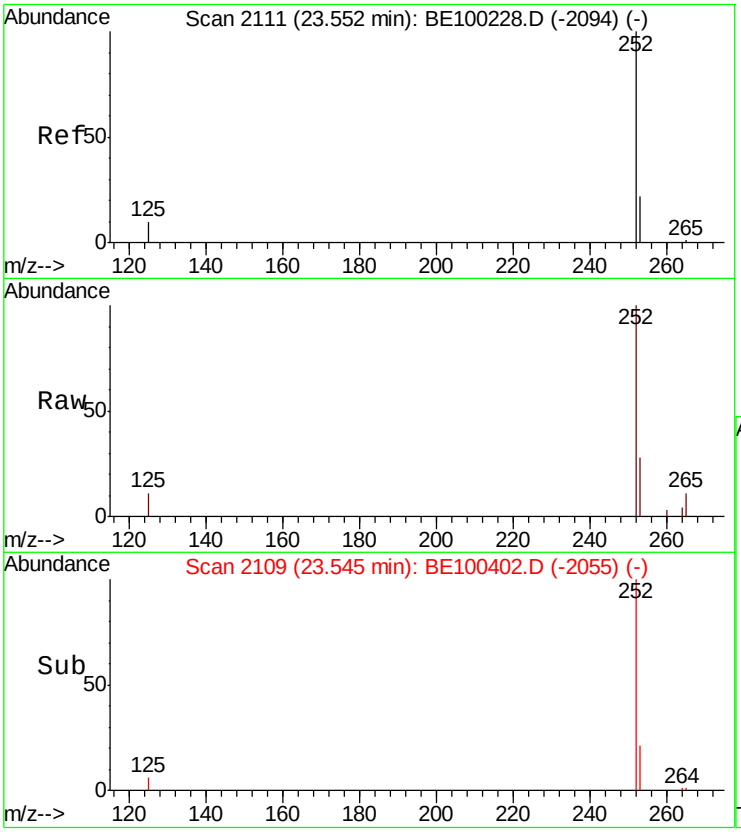




#36
Benzo(k)fluoranthene
Concen: 0.318 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.06 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:252 Resp: 7273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.8 | 17.9 | 26.9# |
| 125 | 10.1 | 5.0 | 7.4# |



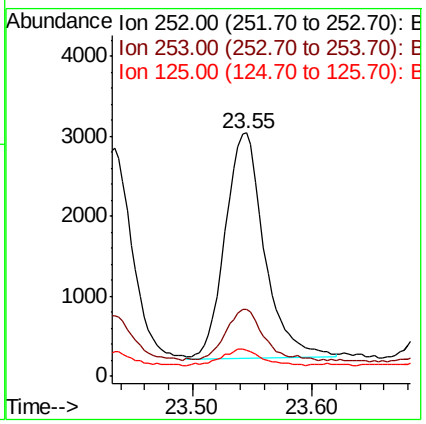


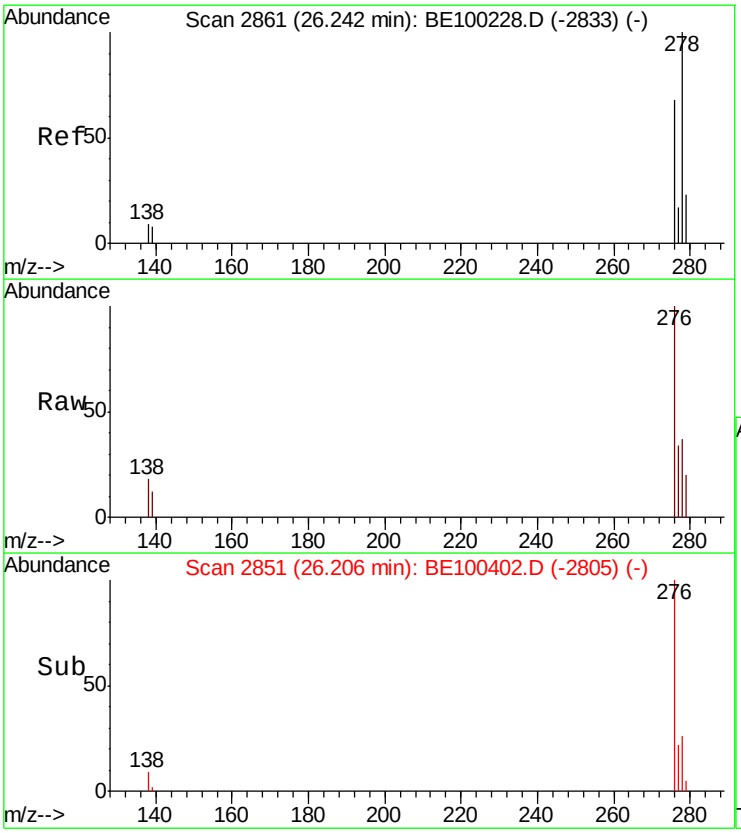

#37
Benzo(a)pyrene
Concen: 0.312 ng
RT: 23.55 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:252 Resp: 6415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.5 | 19.6 | 29.4 |
| 125 | 10.6 | 9.0 | 13.6 |

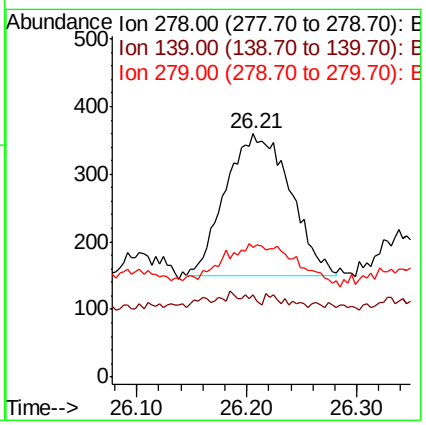


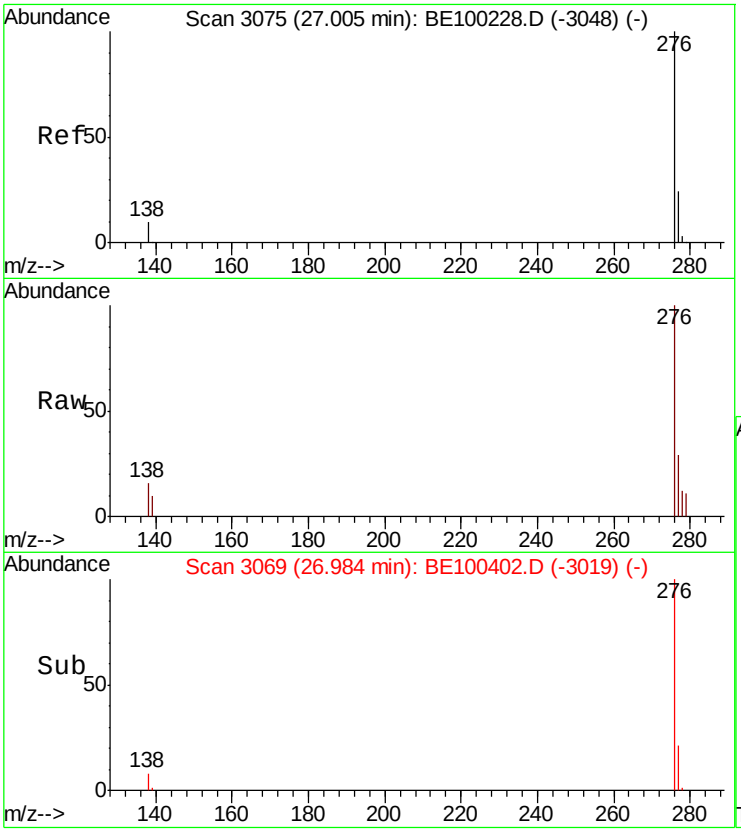




#38
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 26.21 min Scan# 2851
Delta R.T. -0.04 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:278 Resp: 859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 33.6 | 8.2 | 12.2# |
| 279 | 53.3 | 20.3 | 30.5# |






#39
Benzo(g,h,i)perylene
Concen: 0.197 ng
RT: 26.98 min Scan# 3069
Delta R.T. -0.02 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

**Instrument :**
BNA_E
**ClientSampleId :**
EXT-016-SW099-062519

Tgt Ion:276 Resp: 4350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 29.4 | 20.2 | 30.2 |
| 138 | 15.9 | 9.0 | 13.6# |