Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100795.D
Acq On : 5 Dec 2019 18:54
Operator : JU
Sample : K6053-02DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 06 02:04:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.77 | 152 | 6691 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.54 | 136 | 32705 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.40 | 164 | 20127 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.12 | 188 | 44995 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.31 | 240 | 46138 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.75 | 264 | 53557 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.37 | 112 | 3293 | 0.21 | ng | | 0.00 |
| 5) Phenol-d6 | 6.93 | 99 | 5434 | 0.23 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.90 | 82 | 3686 | 0.24 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152 | 6886 | 0.15 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.88 | 330 | 939 | 0.42 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.03 | 172 | 9627 | 0.12 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.16 | 212 | 68563 | 0.13 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.76 | 244 | 13897 | 0.13 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Naphthalene | 10.59 | 128 | 48999 | 0.141 | ng | | 99 |
| 12) 2-Methylnaphthalene | 12.21 | 142 | 5819 | 0.107 | ng | | 99 |
| 16) Acenaphthylene | 14.11 | 152 | 46520 | 0.559 | ng | | 99 |
| 17) Acenaphthene | 14.46 | 154 | 3685 | 0.064 | ng | | 94 |
| 18) Fluorene | 15.43 | 166 | 15346 | 0.207 | ng | # | 89 |
| 22) Pentachlorophenol | 16.79 | 266 | 84 | 0.051 | ng | | 90 |
| 23) Phenanthrene | 17.17 | 178 | 326421 | 2.395 | ng | | 100 |
| 24) Anthracene | 17.25 | 178 | 59561 | 0.523 | ng | | 98 |
| 26) Fluoranthene | 19.19 | 202 | 690482 | 4.245 | ng | | 99 |
| 28) Pyrene | 19.55 | 202 | 751954 | 5.016 | ng | | 96 |
| 30) Benzo(a)anthracene | 21.34 | 228 | 392542 | 2.886 | ng | | 93 |
| 31) Chrysene | 21.34 | 228 | 390593 | 2.444 | ng | | 97 |
| 32) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 23286 | 0.225 | ng | # | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 26.33 | 276 | 225881 | 1.623 | ng | | 97 |
| 35) Benzo(b)fluoranthene | 23.01 | 252 | 475790 | 3.245 | ng | | 99 |
| 36) Benzo(k)fluoranthene | 23.01 | 252 | 475790 | 2.894 | ng | | 99 |
| 37) Benzo(a)pyrene | 23.64 | 252 | 373926 | 2.946 | ng | | 99 |
| 38) Dibenzo(a,h)anthracene | 26.35 | 278 | 61735 | 0.489 | ng | # | 92 |
| 39) Benzo(g,h,i)perylene | 27.12 | 276 | 226067 | 1.674 | ng | | 99 |

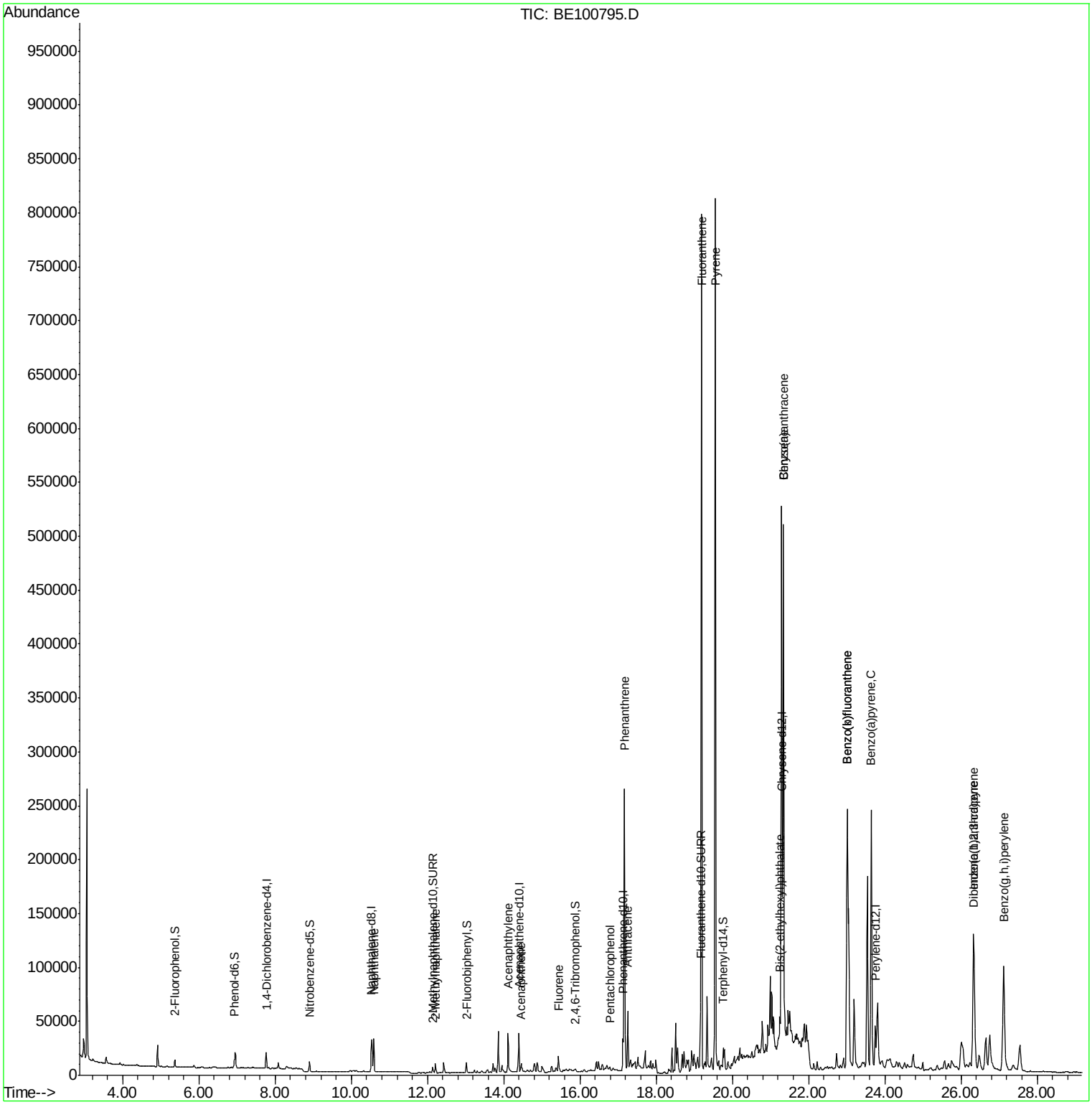
(#) = qualifier out of range (m) = manual integration (+) = signals summed

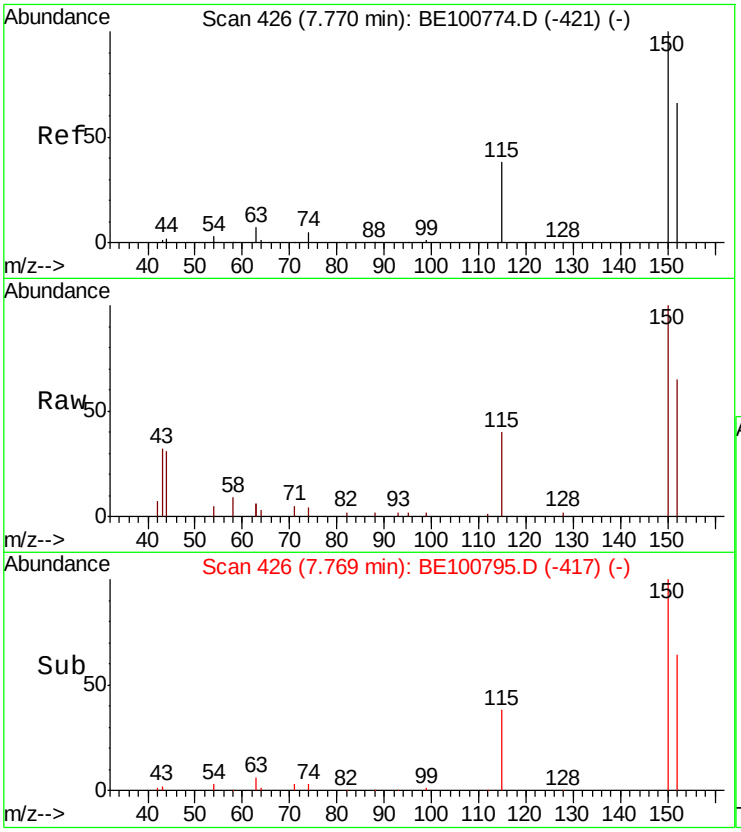
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100795.D
Acq On : 5 Dec 2019 18:54
Operator : JU
Sample : K6053-02DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 06 02:04:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration



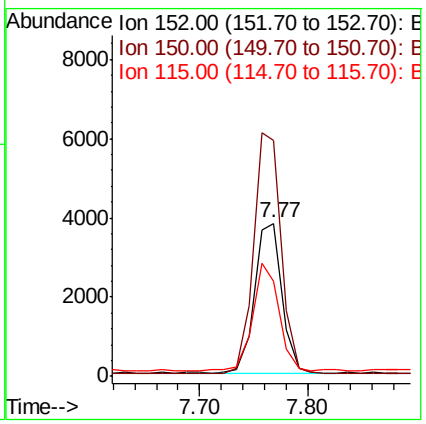


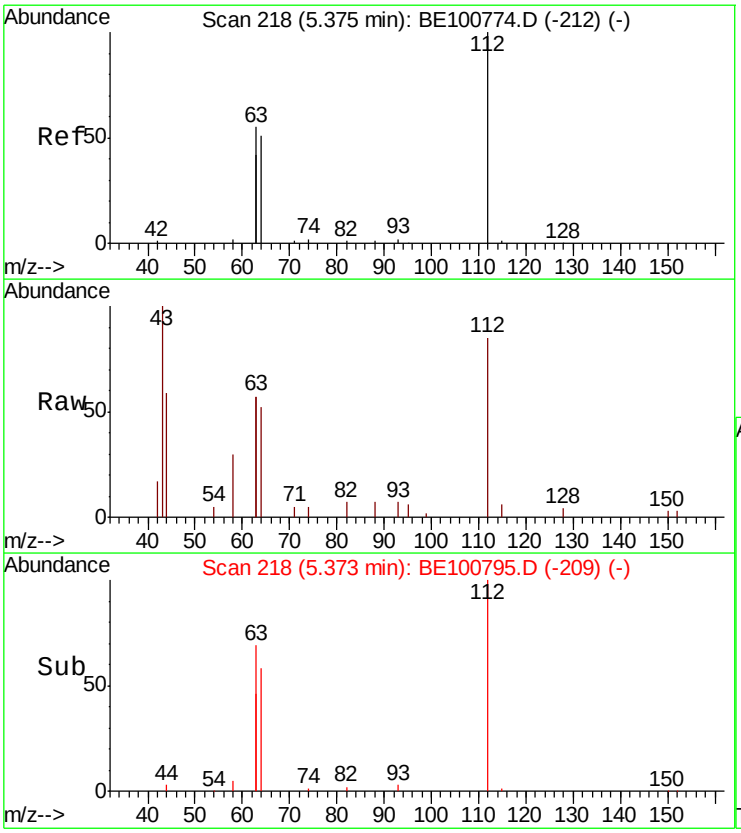

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:152 Resp: 6691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.0 | 120.6 | 181.0 |
| 115 | 61.7 | 47.4 | 71.2 |

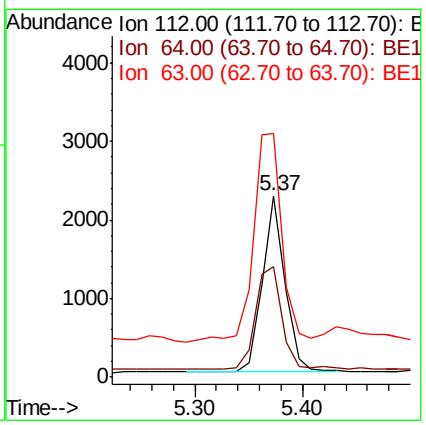


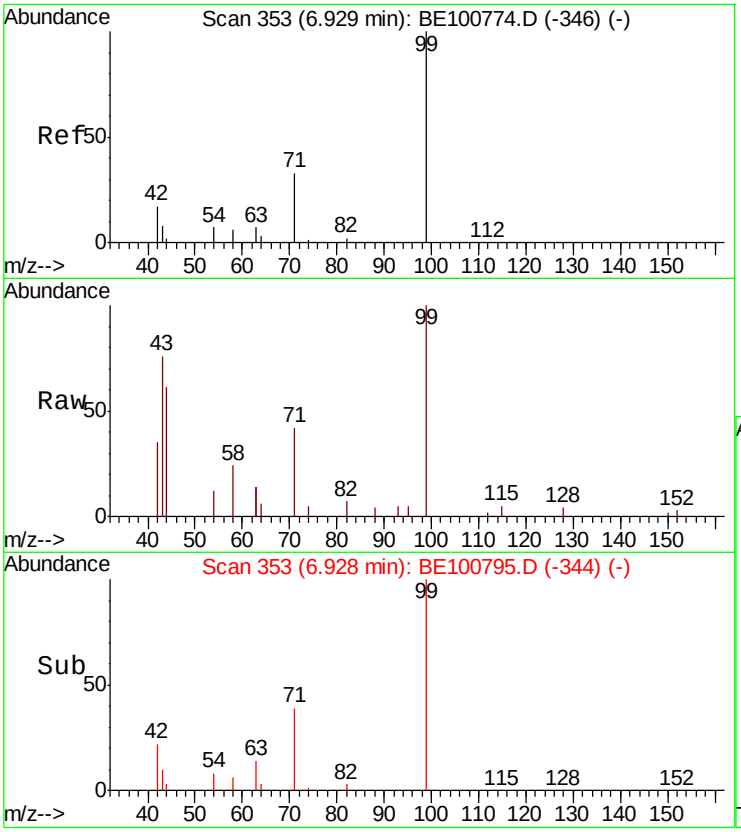




#4
2-Fluorophenol
Concen: 0.207 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:112 Resp: 3293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.8 | 54.1 | 81.1 |
| 63 | 146.8 | 113.2 | 169.8 |



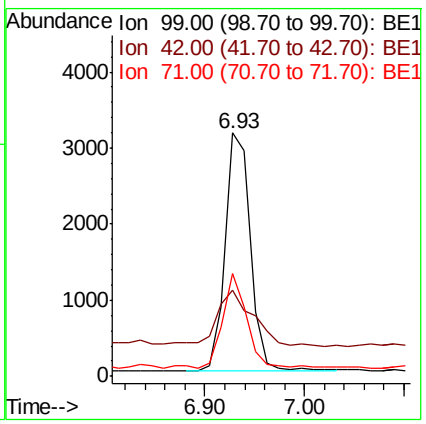


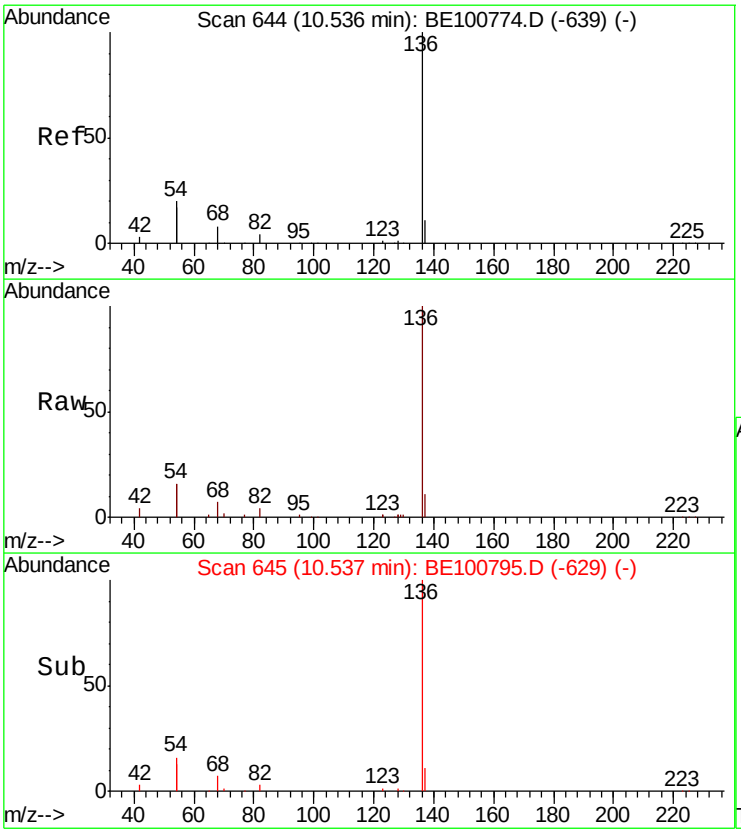

#5
Phenol-d6
Concen: 0.227 ng
RT: 6.93 min Scan# 353
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion: 99 Resp: 5434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 37.0 | 19.1 | 28.7# |
| 71 | 38.9 | 27.7 | 41.5 |

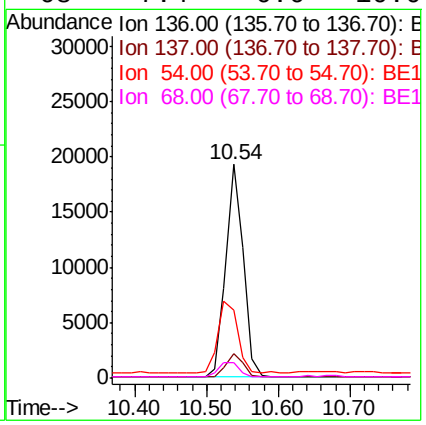


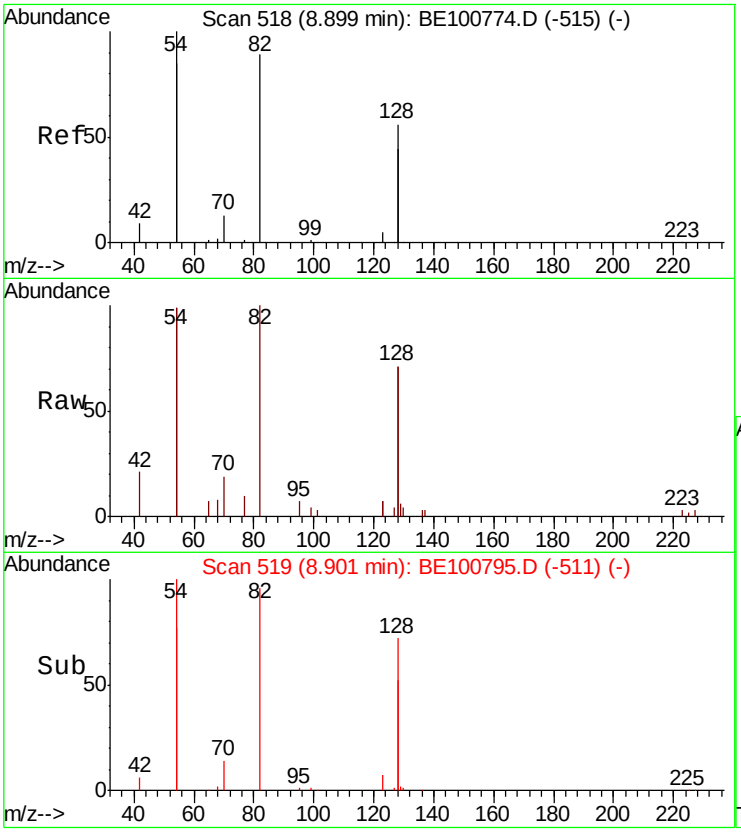




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 645
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:136 Resp: 32705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.4 | 14.0 |
| 54 | 31.9 | 31.1 | 46.7 |
| 68 | 7.4 | 6.6 | 10.0 |



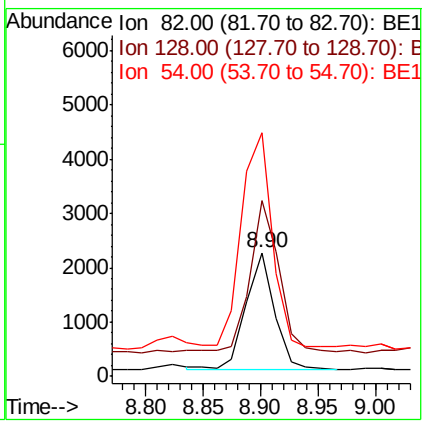


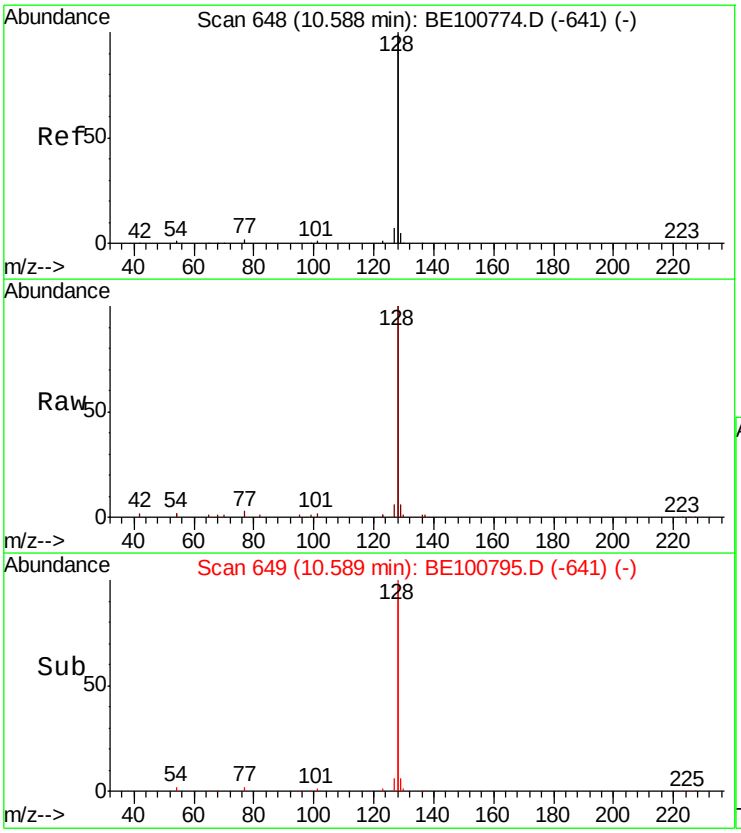

#8
Nitrobenzene-d5
Concen: 0.237 ng
RT: 8.90 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion: 82 Resp: 3686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 142.2 | 97.0 | 145.4 |
| 54 | 197.4 | 171.8 | 257.6 |

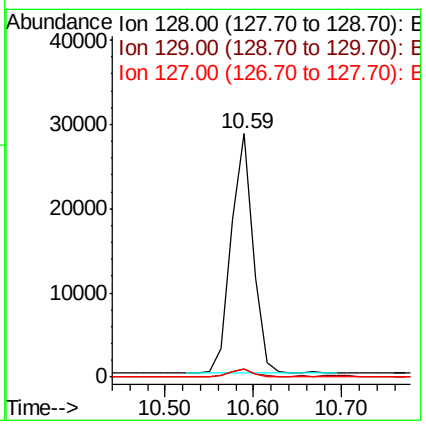


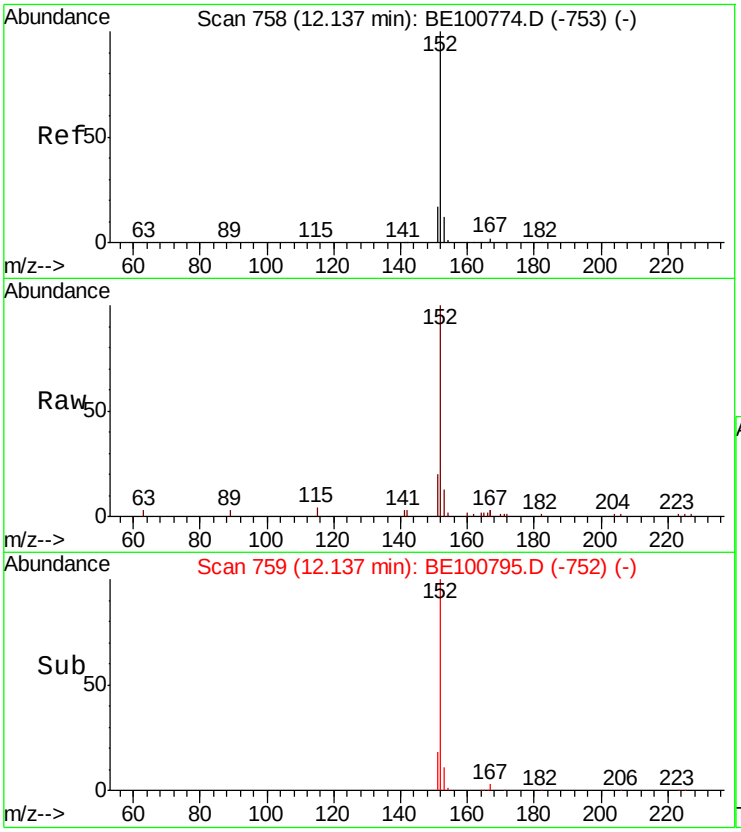




#9
Naphthalene
Concen: 0.141 ng
RT: 10.59 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:128 Resp: 48999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.2 | 2.2 | 3.4 |
| 127 | 3.2 | 2.7 | 4.1 |



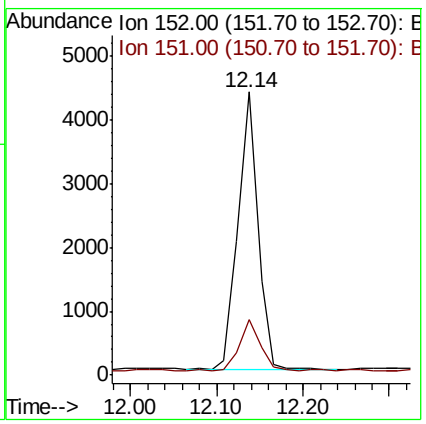


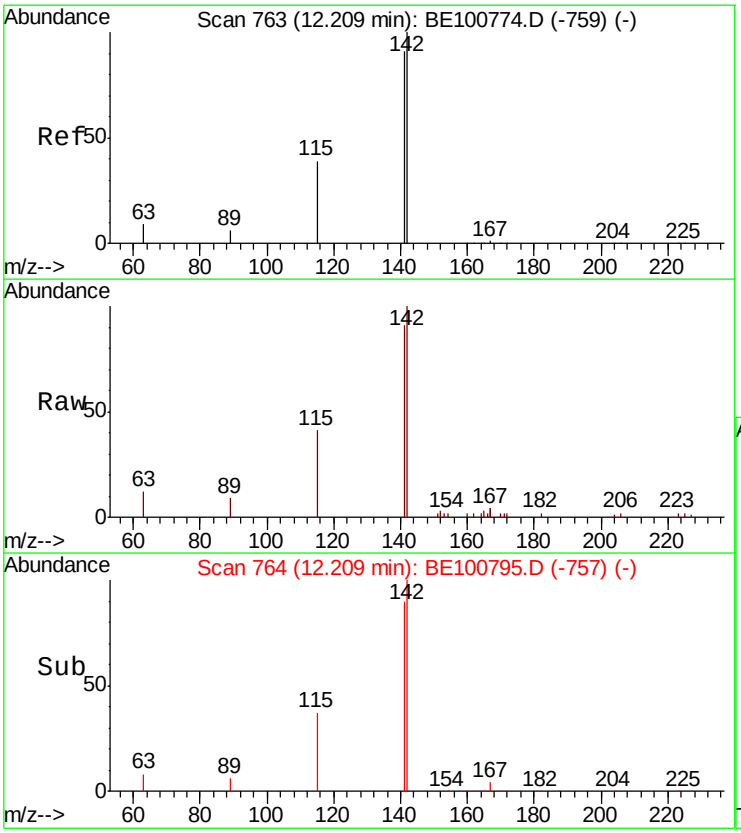

#11
2-Methylnaphthalene-d10
Concen: 0.145 ng
RT: 12.14 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:152 Resp: 6886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.8 | 23.8 |

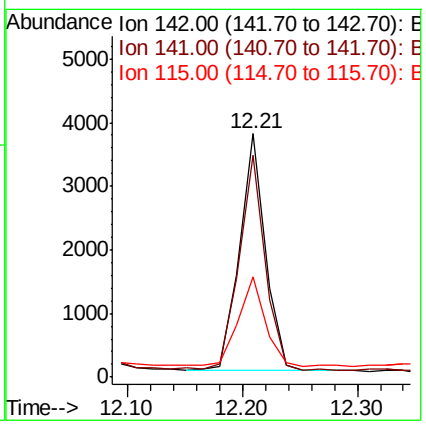


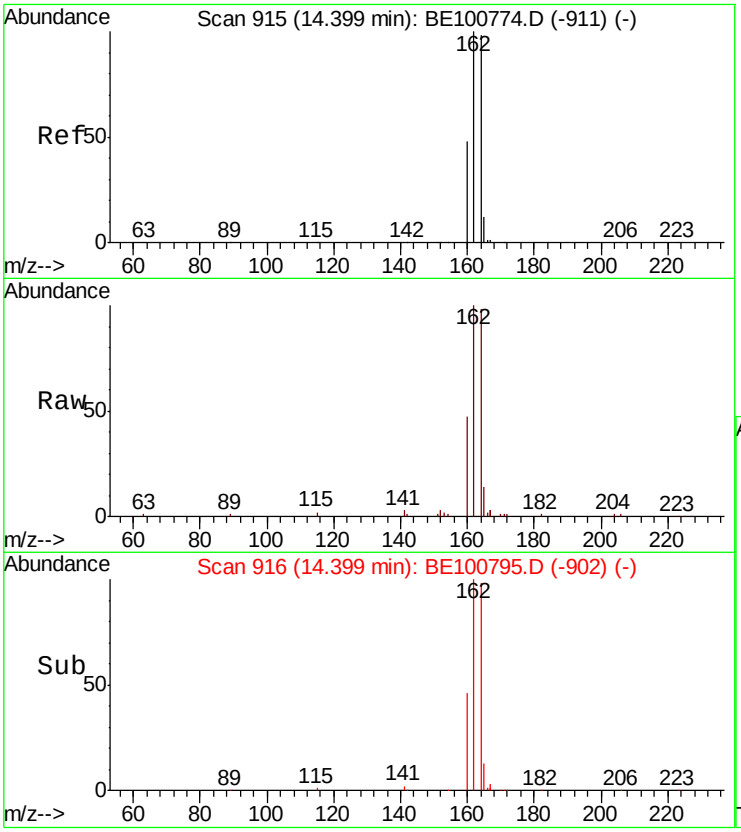




#12
2-Methylnaphthalene
Concen: 0.107 ng
RT: 12.21 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:142 Resp: 5819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 72.6 | 108.8 |
| 115 | 41.3 | 31.8 | 47.6 |



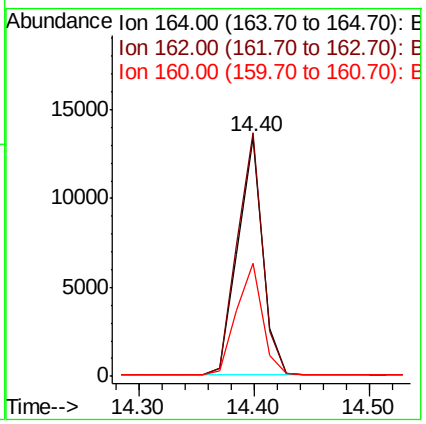


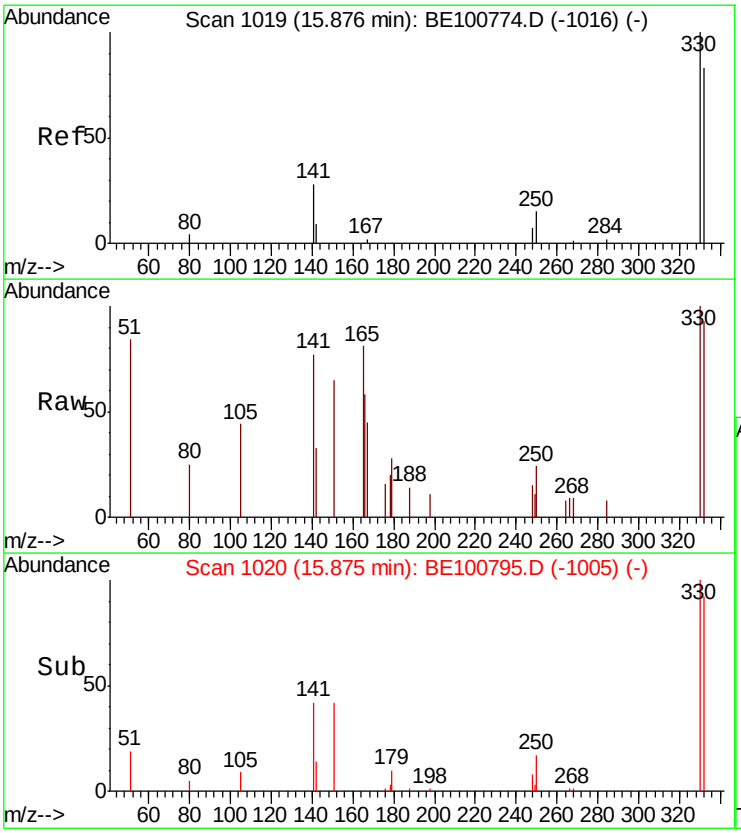

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 916
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:164 Resp: 20127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 81.4 | 122.0 |
| 160 | 47.6 | 39.4 | 59.0 |

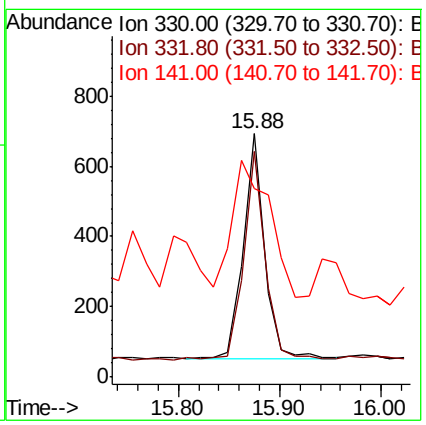


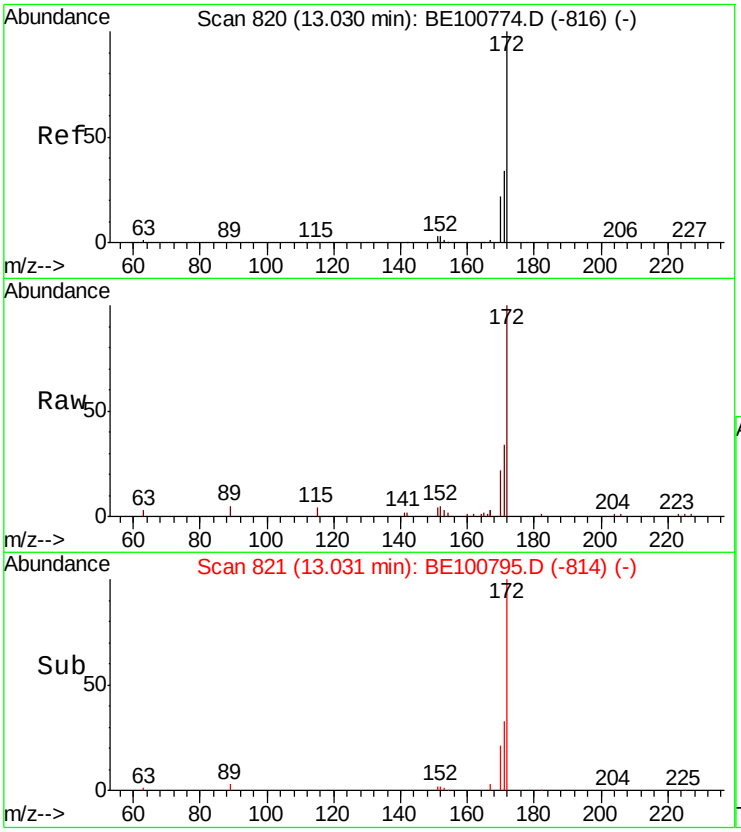




#14
2,4,6-Tribromophenol
Concen: 0.419 ng
RT: 15.88 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:330 Resp: 939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.2 | 69.4 | 104.2 |
| 141 | 106.9 | 51.1 | 76.7# |



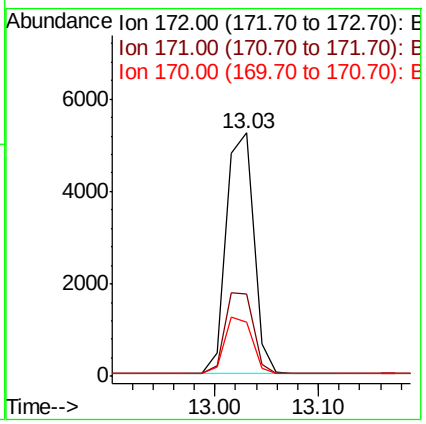


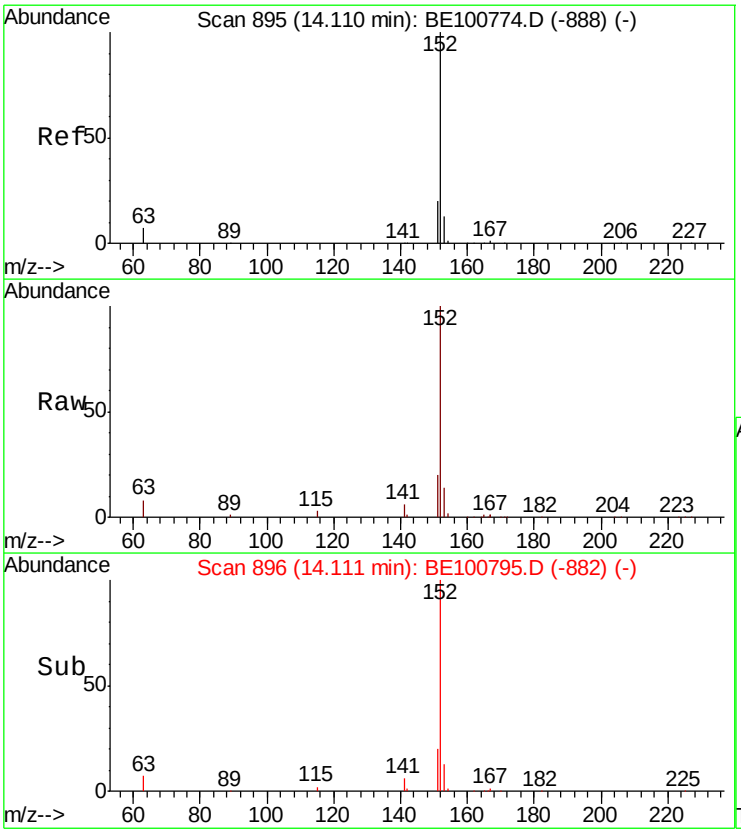

#15
2-Fluorobiphenyl
Concen: 0.121 ng
RT: 13.03 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:172 Resp: 9627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.6 | 27.2 | 40.8 |
| 170 | 22.1 | 18.0 | 27.0 |

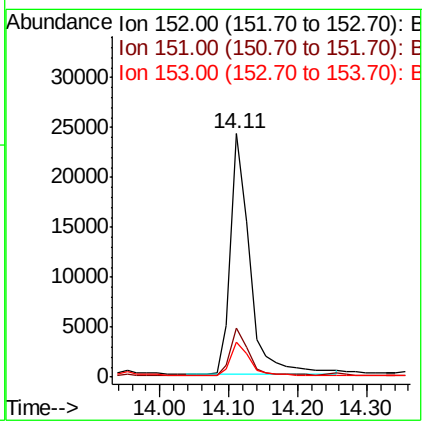


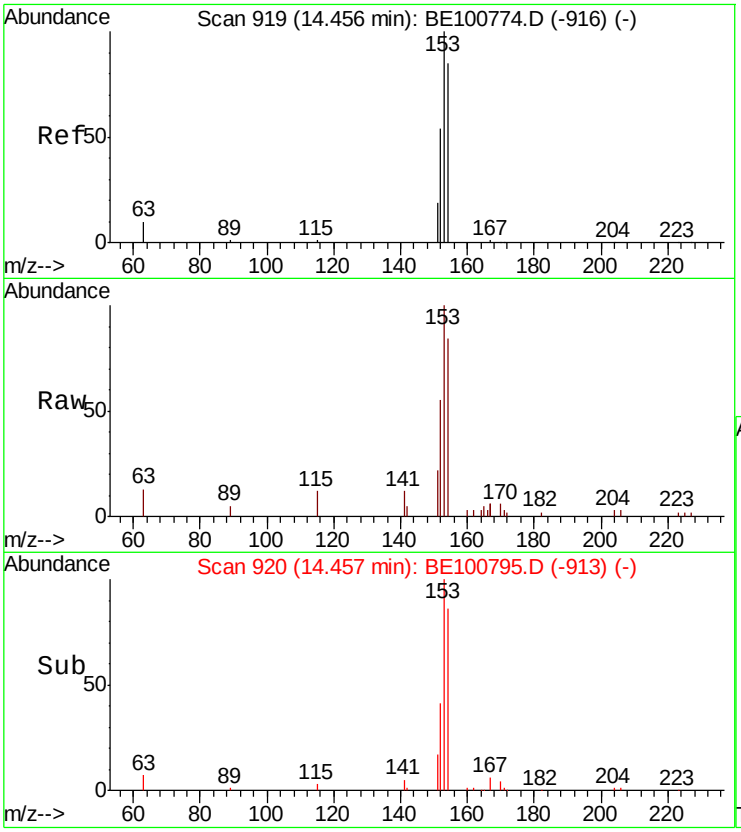




#16
Acenaphthylene
Concen: 0.559 ng
RT: 14.11 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:152 Resp: 46520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 15.8 | 23.6 |
| 153 | 13.4 | 10.4 | 15.6 |



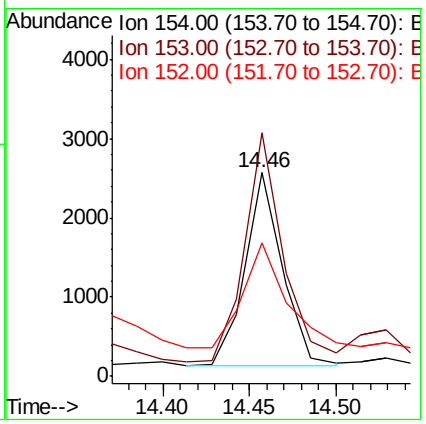


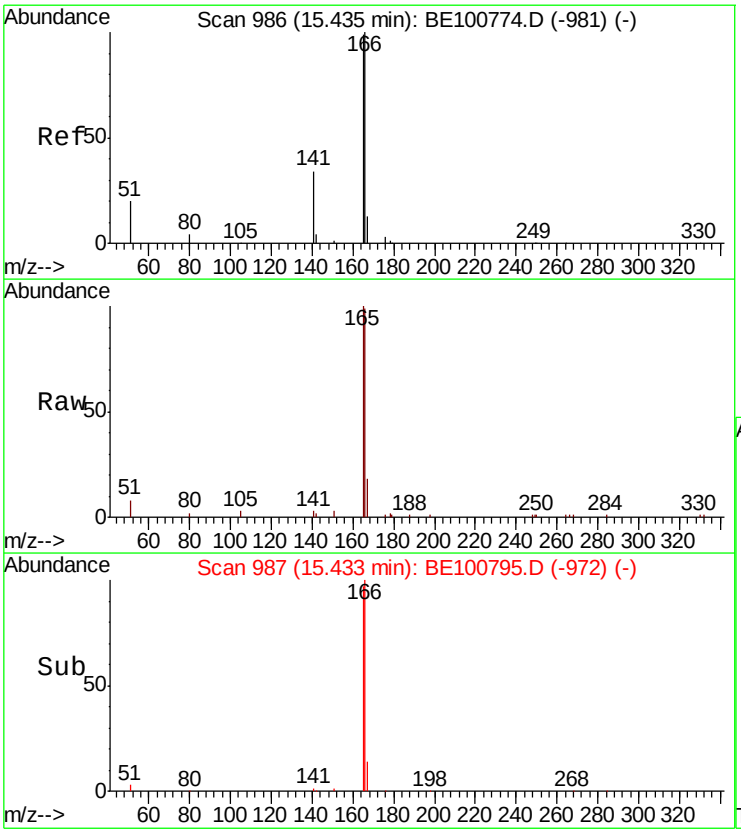

#17
Acenaphthene
Concen: 0.064 ng
RT: 14.46 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:154 Resp: 3685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 121.8 | 92.2 | 138.2 |
| 152 | 64.8 | 49.1 | 73.7 |

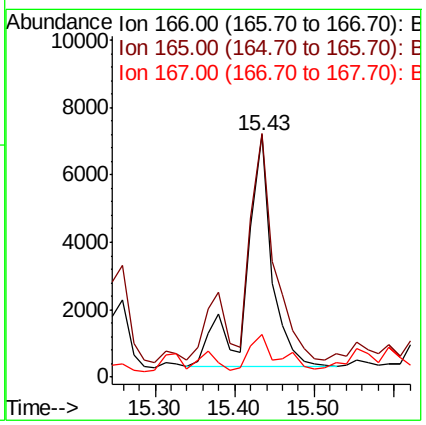


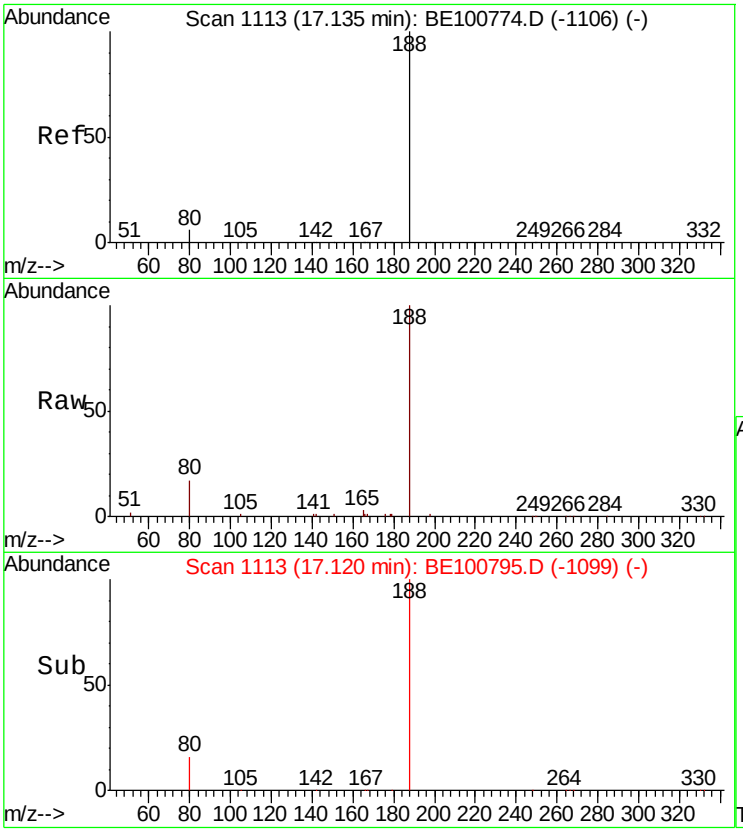




#18
Fluorene
Concen: 0.207 ng
RT: 15.43 min Scan# 987
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:166 Resp: 15346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 89.0 | 80.5 | 120.7 |
| 167 | 16.9 | 10.7 | 16.1# |



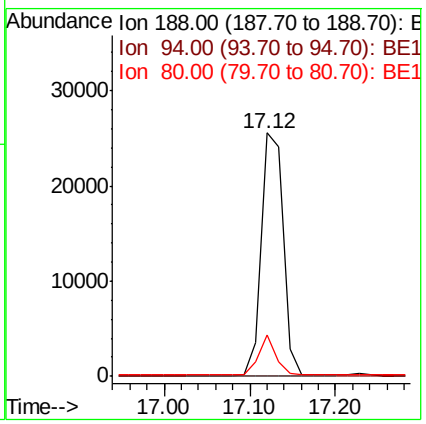


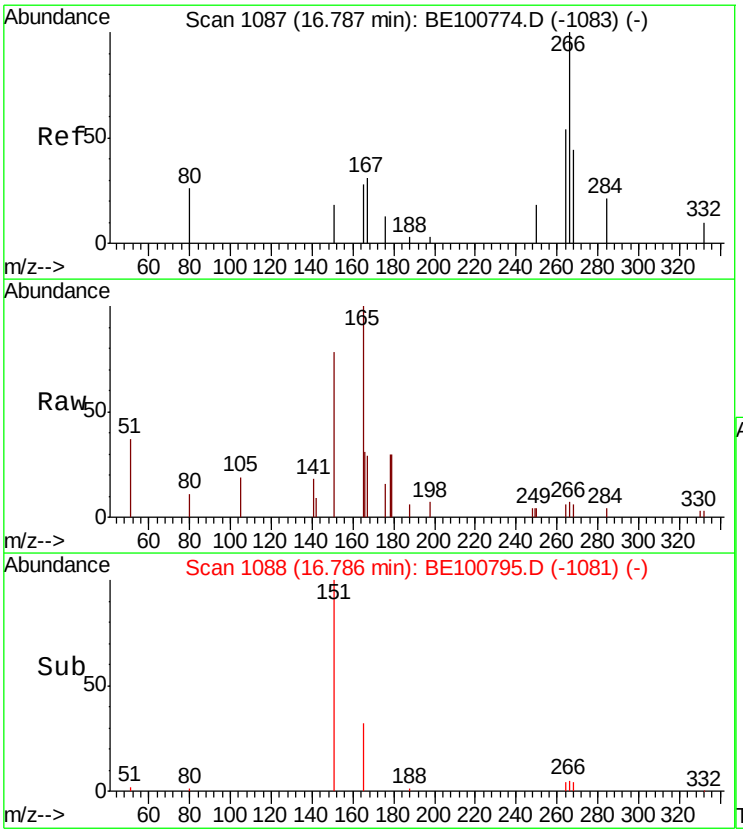

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:188 Resp: 44995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 16.9 | 5.2 | 7.8# |

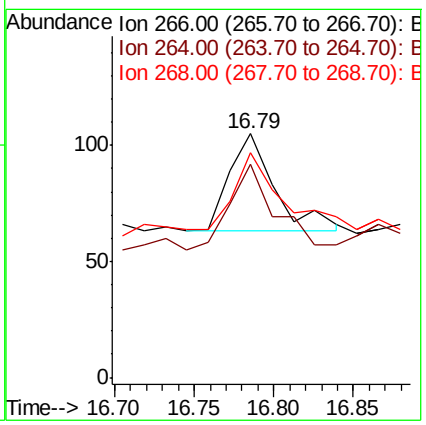


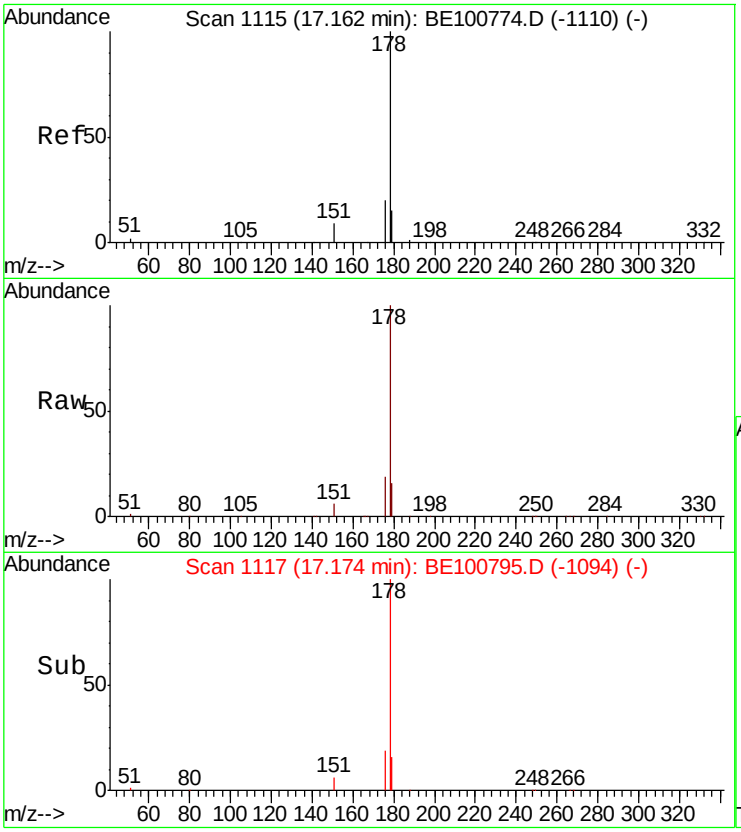




#22
Pentachlorophenol
Concen: 0.051 ng
RT: 16.79 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:266 Resp: 84

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 87.6 | 63.4 | 95.0 |
| 268 | 92.4 | 65.8 | 98.8 |



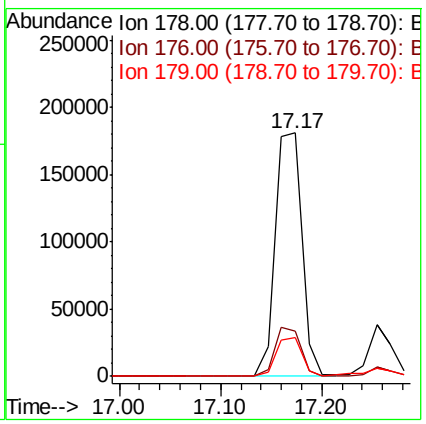


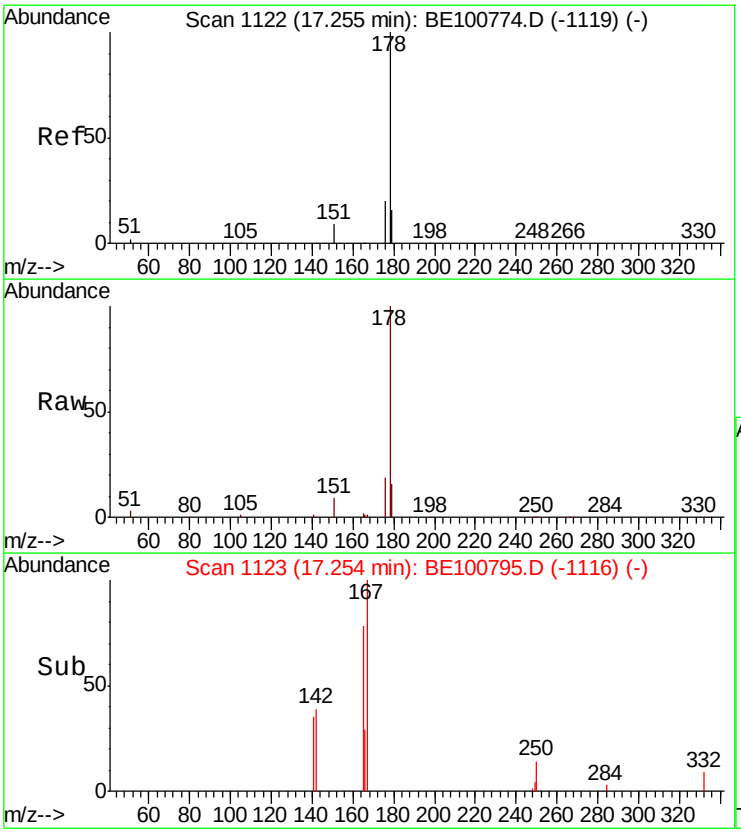

#23
Phenanthrene
Concen: 2.395 ng
RT: 17.17 min Scan# 1117
Delta R.T. 0.01 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:178 Resp: 326421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.5 | 23.3 |
| 179 | 15.7 | 12.3 | 18.5 |

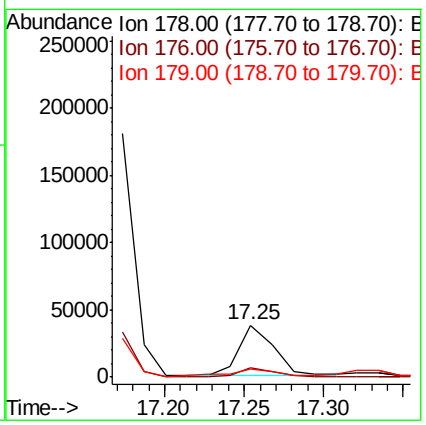


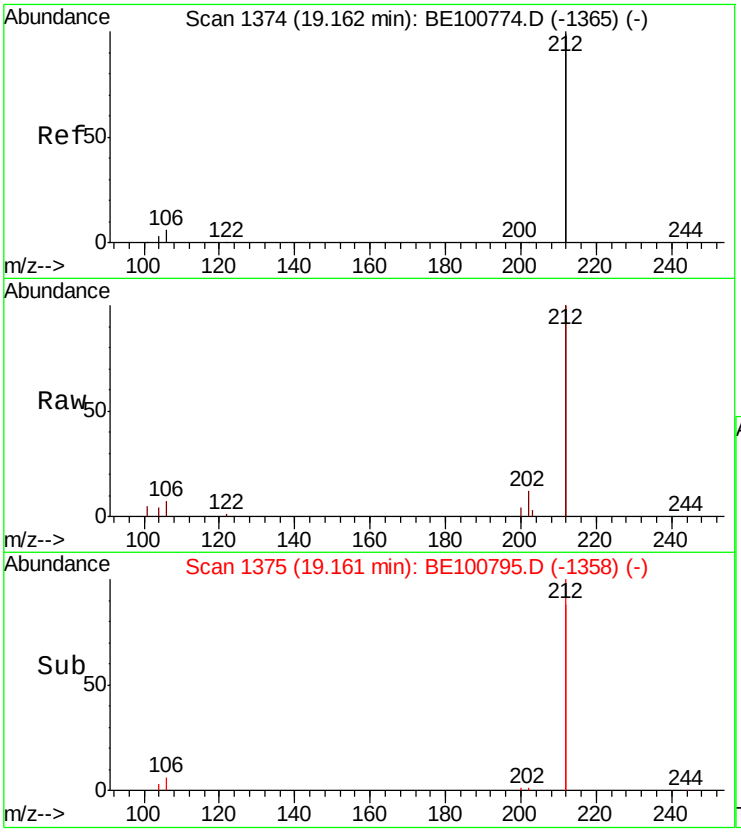




#24
Anthracene
Concen: 0.523 ng
RT: 17.25 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:178 Resp: 59561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 14.4 | 12.7 | 19.1 |



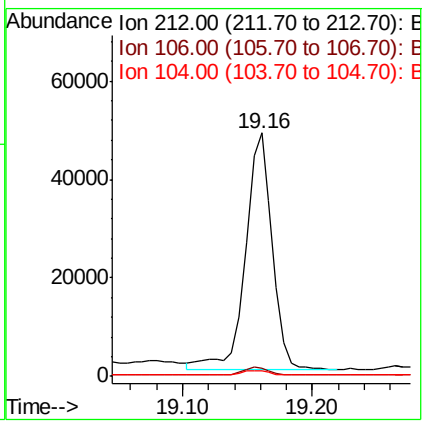


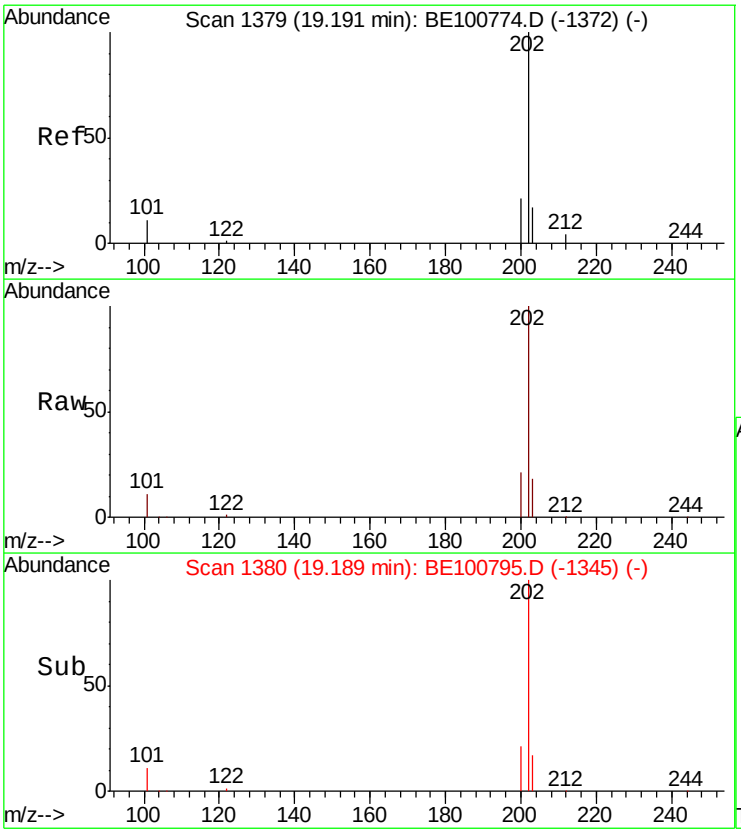

#25
Fluoranthene-d10
Concen: 0.129 ng
RT: 19.16 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:212 Resp: 68563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.5 | 2.6 | 3.8 |
| 104 | 2.4 | 1.4 | 2.2# |

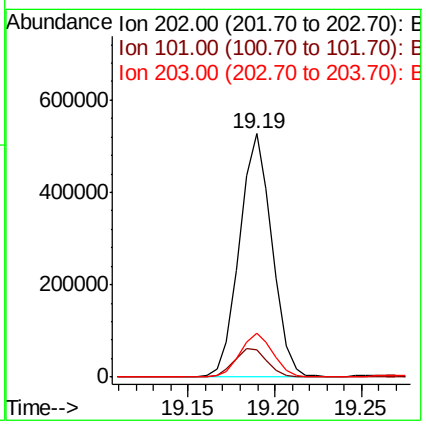


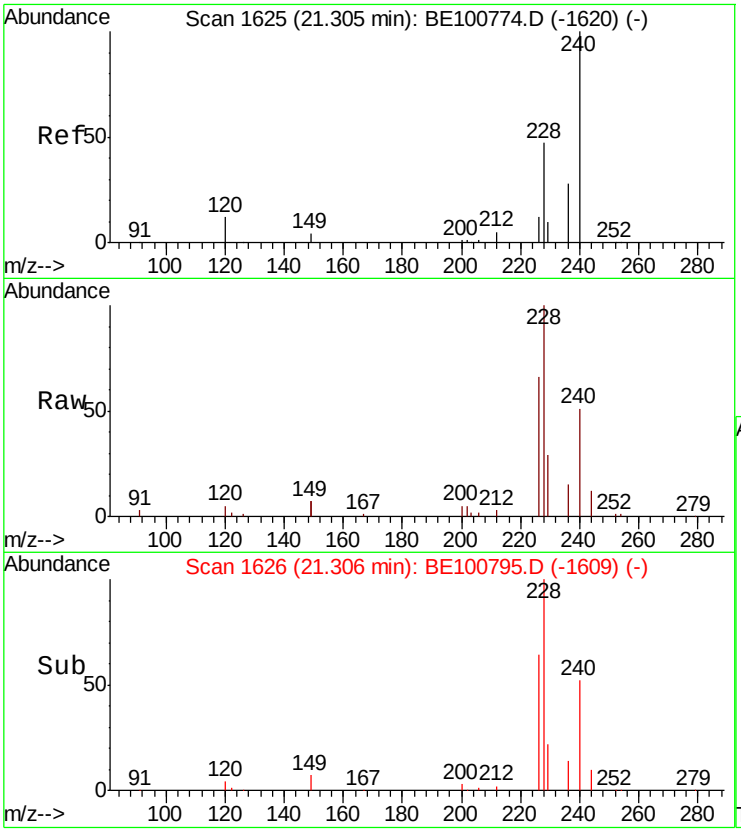




#26
Fluoranthene
Concen: 4.245 ng
RT: 19.19 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:202 Resp: 690482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 9.1 | 13.7 |
| 203 | 17.8 | 13.8 | 20.6 |



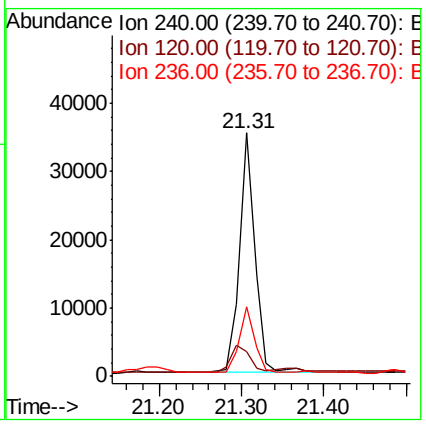


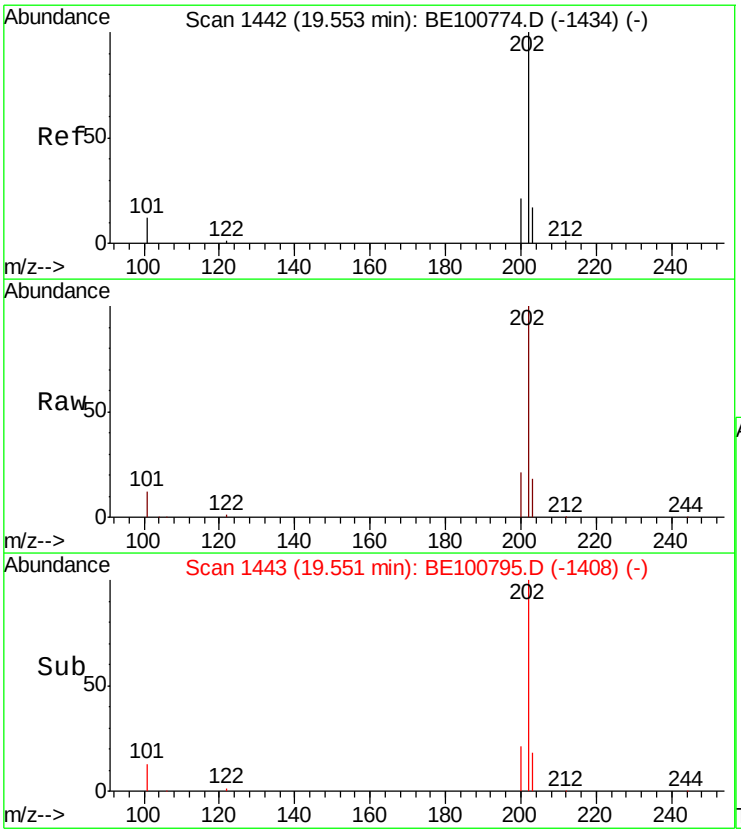

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:240 Resp: 46138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 10.2 | 15.2# |
| 236 | 28.4 | 22.3 | 33.5 |

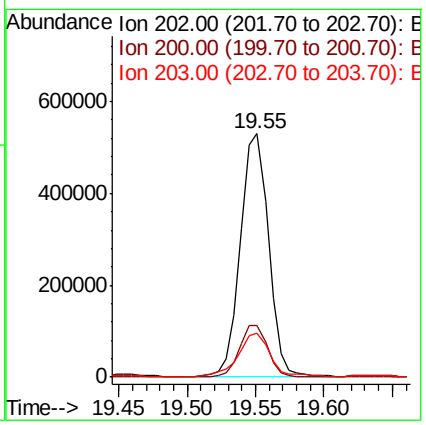


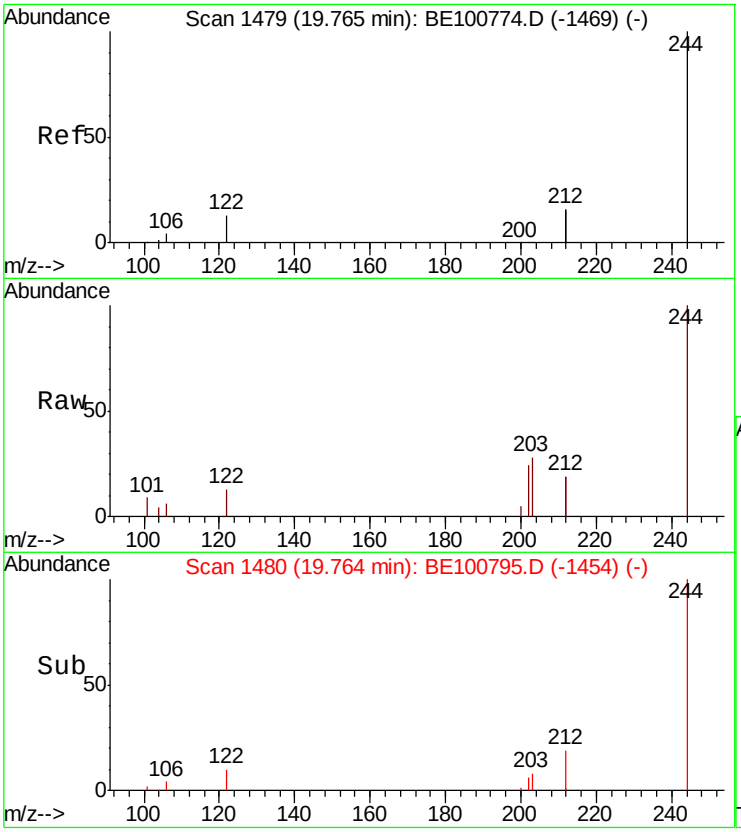




#28
Pyrene
Concen: 5.016 ng
RT: 19.55 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:202 Resp: 751954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.0 | 25.4 |
| 203 | 20.5 | 13.9 | 20.9 |



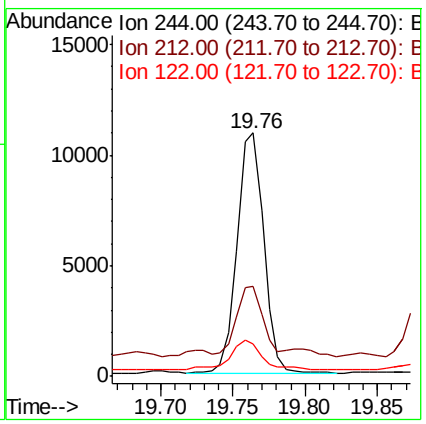


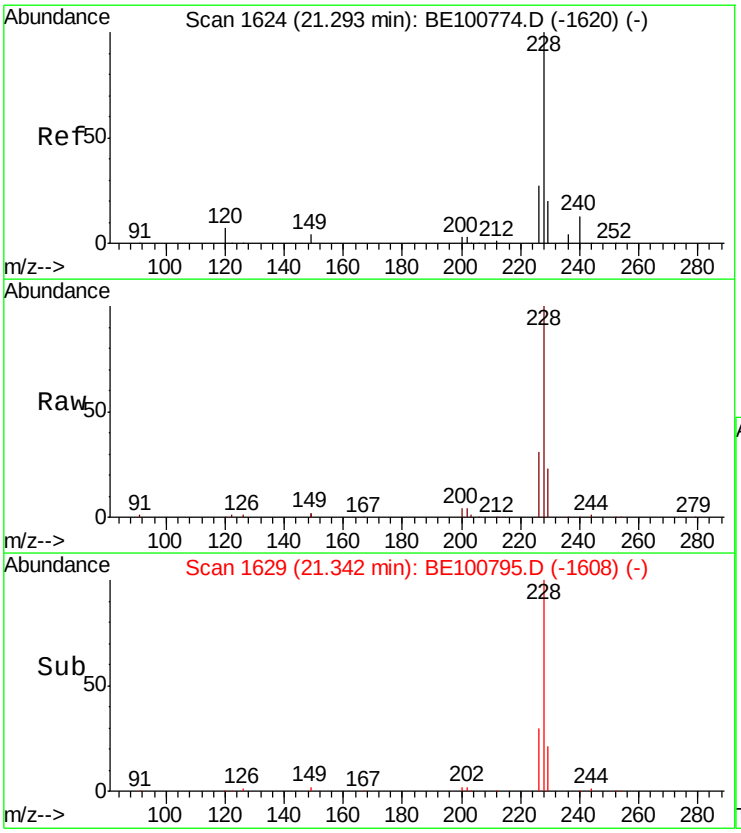

#29
Terphenyl-d14
Concen: 0.126 ng
RT: 19.76 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:244 Resp: 13897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 37.0 | 26.2 | 39.4 |
| 122 | 13.5 | 10.2 | 15.4 |

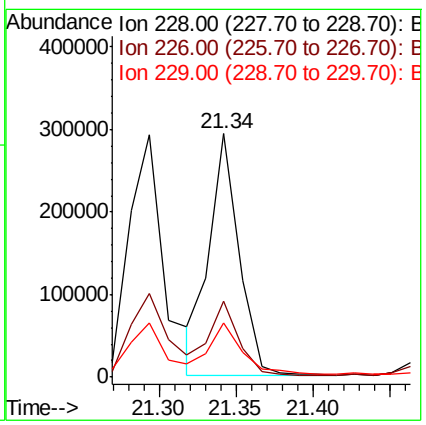


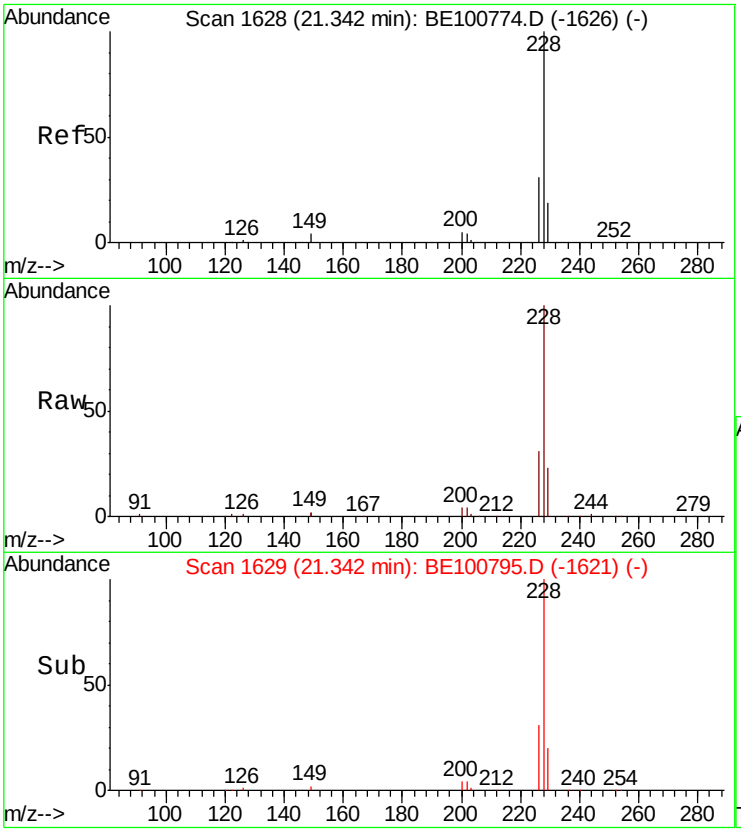




#30
Benzo(a)anthracene
Concen: 2.886 ng
RT: 21.34 min Scan# 1629
Delta R.T. 0.05 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:228 Resp: 392542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 21.5 | 32.3 |
| 229 | 22.5 | 16.0 | 24.0 |



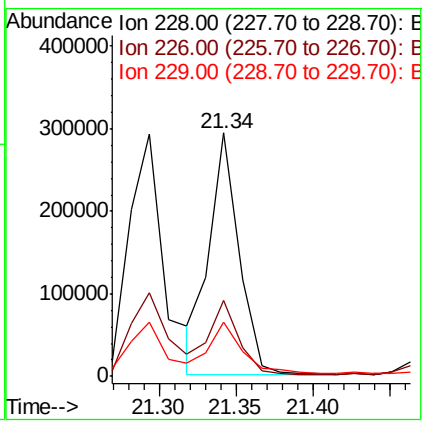


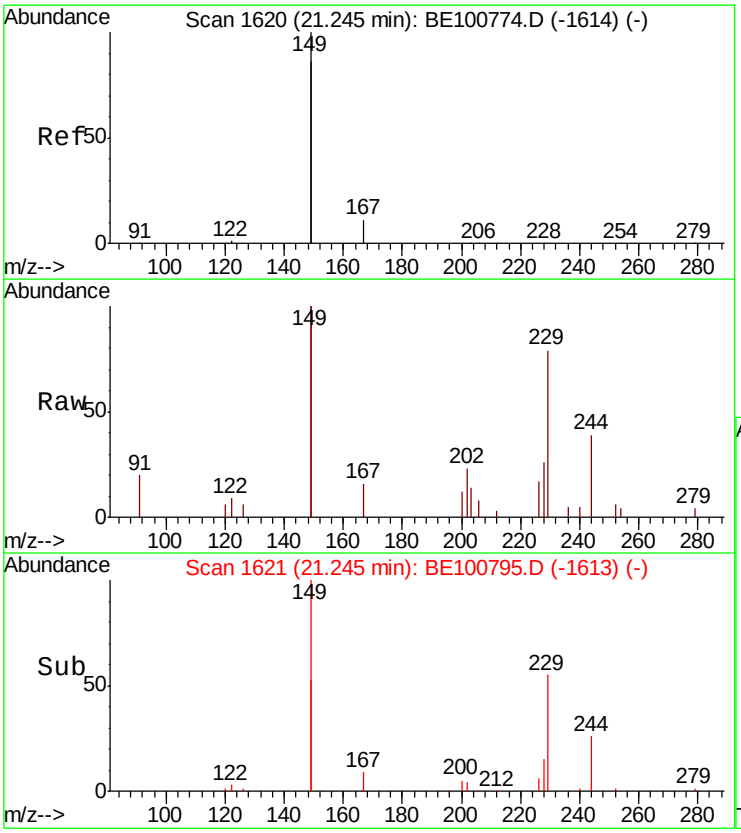

#31
Chrysene
Concen: 2.444 ng
RT: 21.34 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:228 Resp: 390593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 25.0 | 37.4 |
| 229 | 22.5 | 15.4 | 23.2 |

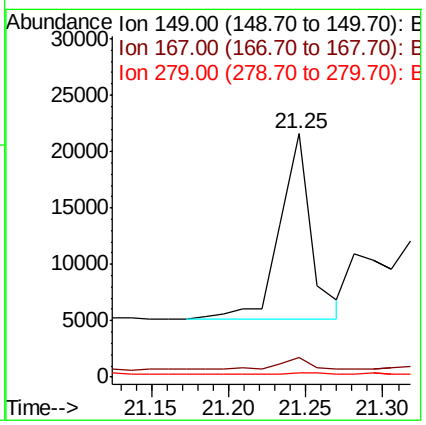


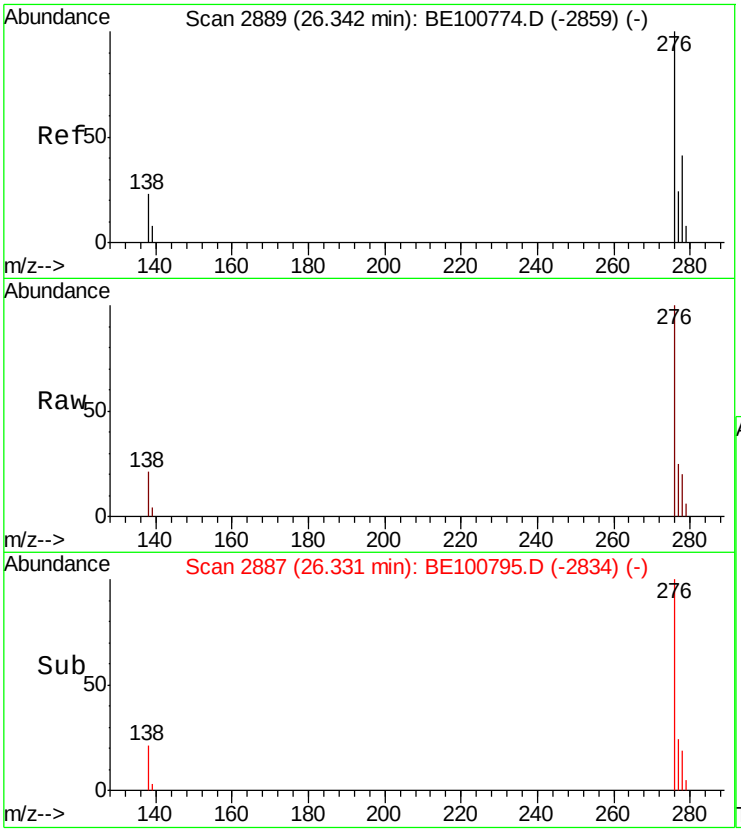




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.225 ng
RT: 21.25 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:149 Resp: 23286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.8 | 5.0 | 7.6 |
| 279 | 1.1 | 0.7 | 1.1# |



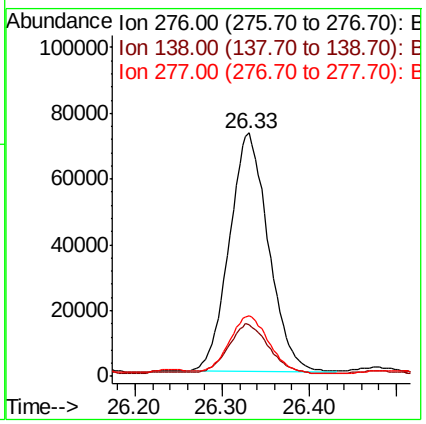


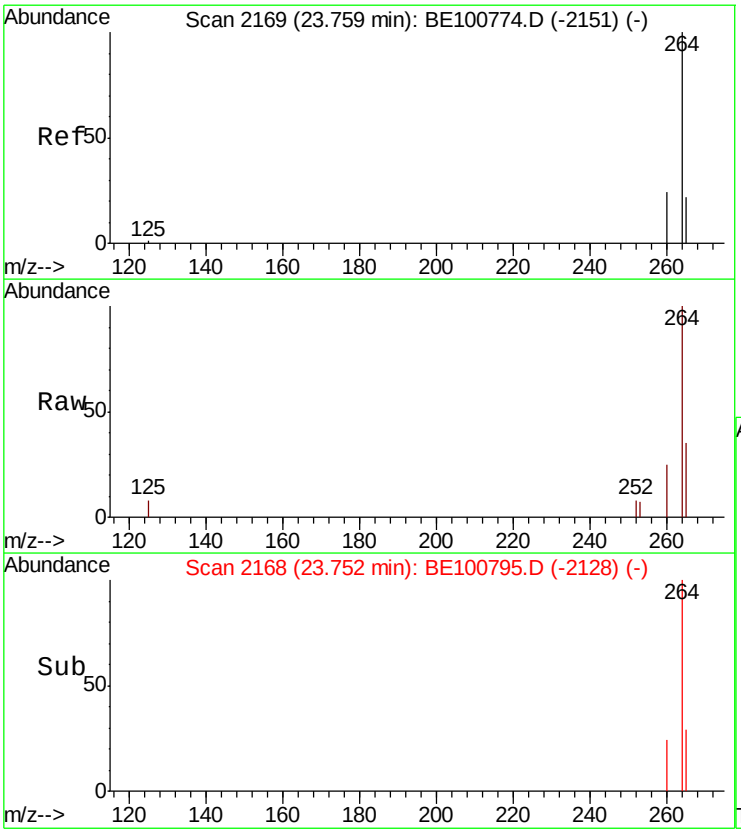

#33
Indeno(1,2,3-cd)pyrene
Concen: 1.623 ng
RT: 26.33 min Scan# 2887
Delta R.T. -0.01 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:276 Resp: 225881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.3 | 19.4 | 29.0 |
| 277 | 24.8 | 19.8 | 29.6 |

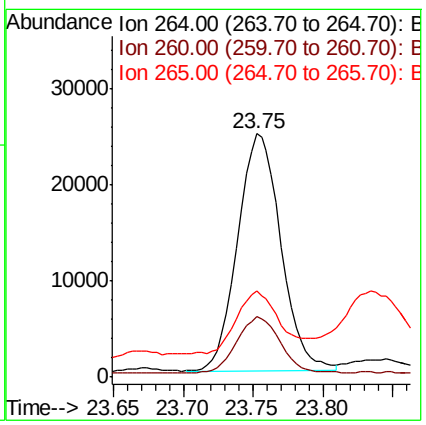


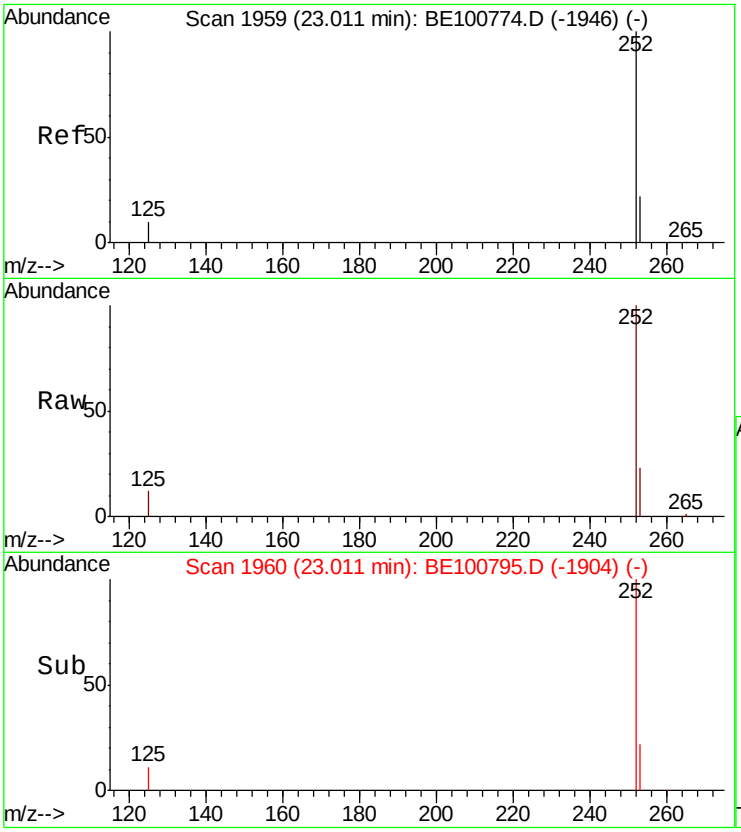




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.75 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:264 Resp: 53557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.4 | 29.2 |
| 265 | 35.2 | 21.8 | 32.8# |



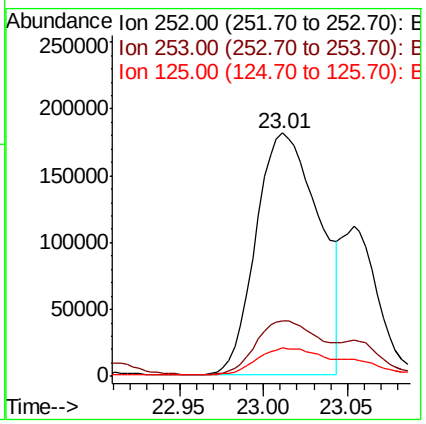


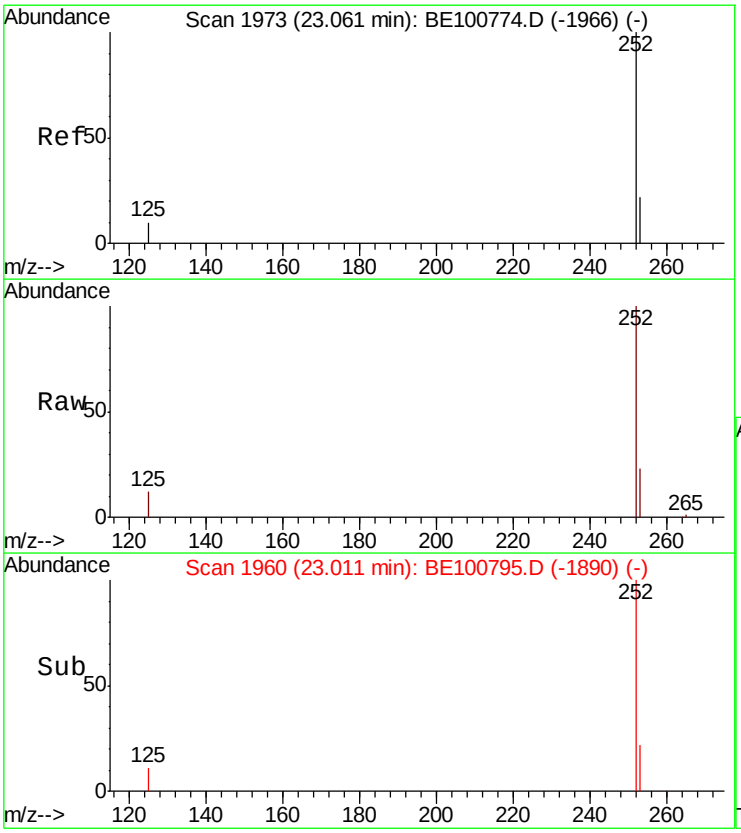

#35
Benzo(b)fluoranthene
Concen: 3.245 ng
RT: 23.01 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:252 Resp: 475790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.8 | 26.8 |
| 125 | 11.5 | 9.0 | 13.4 |

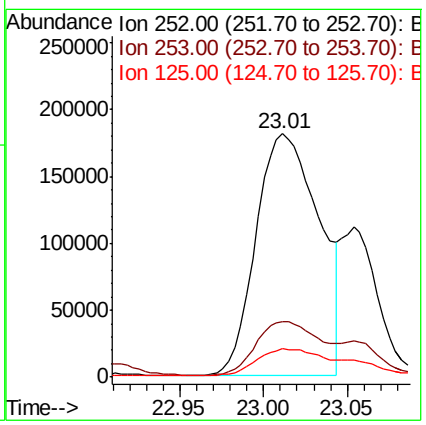


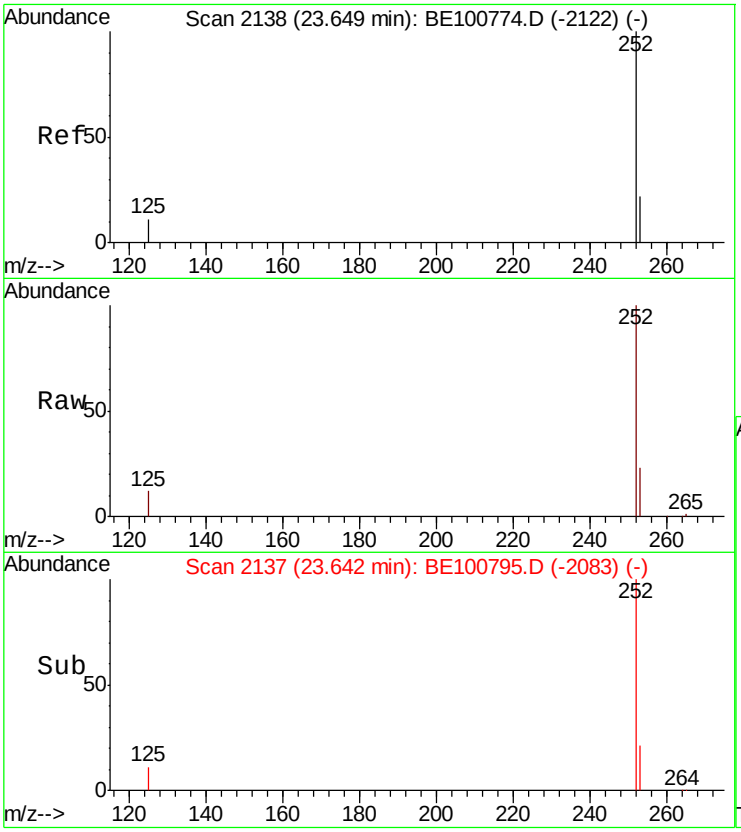




#36
Benzo(k)fluoranthene
Concen: 2.894 ng
RT: 23.01 min Scan# 1960
Delta R.T. -0.05 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:252 Resp: 475790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.8 | 26.8 |
| 125 | 11.5 | 8.7 | 13.1 |



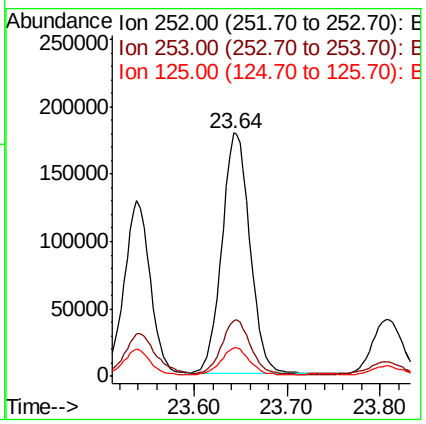


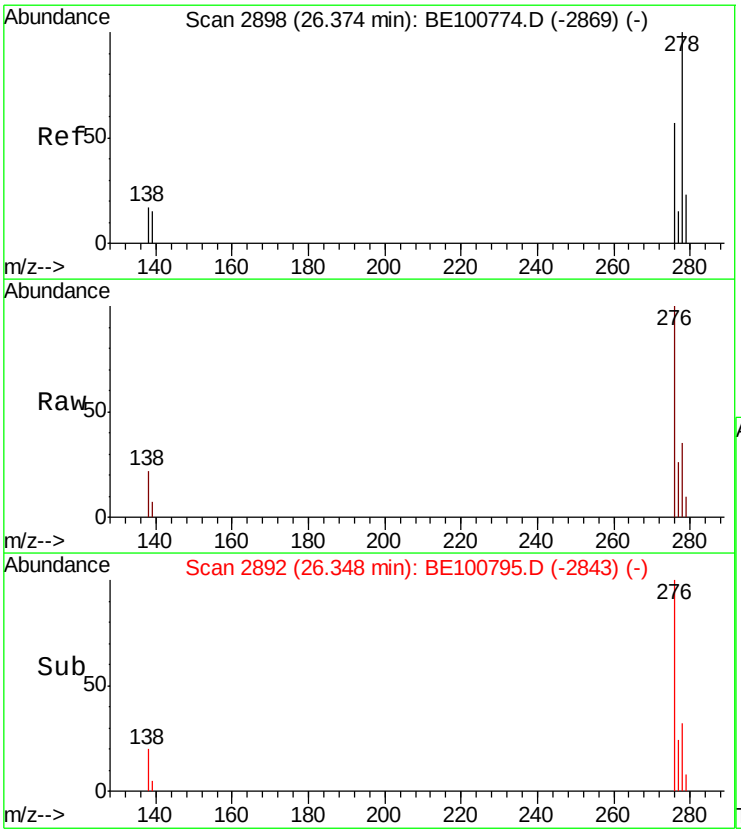

#37
Benzo(a)pyrene
Concen: 2.946 ng
RT: 23.64 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:252 Resp: 373926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.2 | 27.4 |
| 125 | 11.7 | 10.4 | 15.6 |

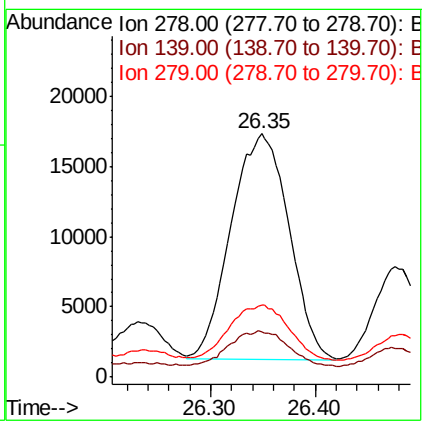


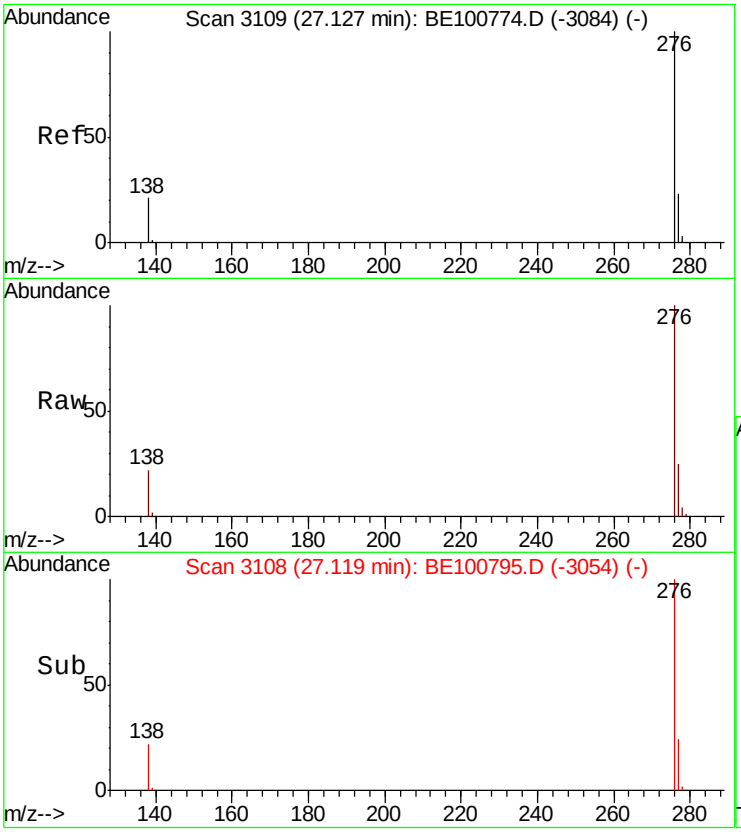




#38
Dibenzo(a,h)anthracene
Concen: 0.489 ng
RT: 26.35 min Scan# 2892
Delta R.T. -0.03 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

Tgt Ion:278 Resp: 61735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.8 | 13.0 | 19.4 |
| 279 | 29.5 | 19.6 | 29.4# |






#39
Benzo(g,h,i)perylene
Concen: 1.674 ng
RT: 27.12 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BE100795.D
Acq: 5 Dec 2019 18:54

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

Tgt Ion:276 Resp: 226067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.6 | 19.3 | 28.9 |
| 138 | 22.4 | 17.8 | 26.6 |