Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
Data File : BE100536.D
Acq On : 23 Sep 2019 11:25
Operator : HP/JU
Sample : K4839-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PT-BN-WP

Quant Time: Sep 23 12:25:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.86 | 152 | 31178 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.65 | 136 | 42257 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.49 | 164 | 21523 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.20 | 188 | 45580 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.37 | 240 | 61085 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.84 | 264 | 59987 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.43 | 112 | 3033554 | 41.56 | ng | | 0.00 |
| 5) Phenol-d6 | 7.02 | 99 | 4099425 | 41.02 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.00 | 82 | 2456277 | 100.85 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152 | 59 | 0.00 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.96 | 330 | 739735 | 212.51 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.12 | 172 | 4918695 | 64.02 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.23 | 212 | 439 | 0.00 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.83 | 244 | 7167945 | 49.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.63 | 42 | 903167 | 34.226 | ng | | 99 |
| 9) Naphthalene | 10.69 | 128 | 85868 | 0.196 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.99 | 225 | 1311946 | 93.639 | ng | | 98 |
| 12) 2-Methylnaphthalene | 12.31 | 142 | 4025918 | 57.749 | ng | | 96 |
| 16) Acenaphthylene | 14.21 | 152 | 7553327 | 85.233 | ng | # | 87 |
| 17) Acenaphthene | 14.56 | 154 | 5655968 | 94.502 | ng | | 96 |
| 18) Fluorene | 15.52 | 166 | 63857 | 0.853 | ng | # | 94 |
| 21) Hexachlorobenzene | 16.53 | 284 | 1151011 | 61.677 | ng | | 97 |
| 22) Pentachlorophenol | 16.87 | 266 | 185 | 0.215 | ng | # | 86 |
| 23) Phenanthrene | 17.24 | 178 | 5270 | 0.041 | ng | | 95 |
| 26) Fluoranthene | 19.26 | 202 | 6650099 | 43.421 | ng | # | 88 |
| 28) Pyrene | 19.62 | 202 | 7152226 | 40.693 | ng | # | 85 |
| 31) Chrysene | 21.40 | 228 | 3945160 | 21.223 | ng | # | 91 |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 16136919 | 91.766 | ng | | 98 |
| 33) Indeno(1,2,3-cd)pyrene | 26.47 | 276 | 6818993 | 32.994 | ng | | 97 |
| 36) Benzo(k)fluoranthene | 23.14 | 252 | 10325562 | 54.983 | ng | # | 81 |
| 39) Benzo(g,h,i)perylene | 27.29 | 276 | 9038076 | 54.868 | ng | | 94 |

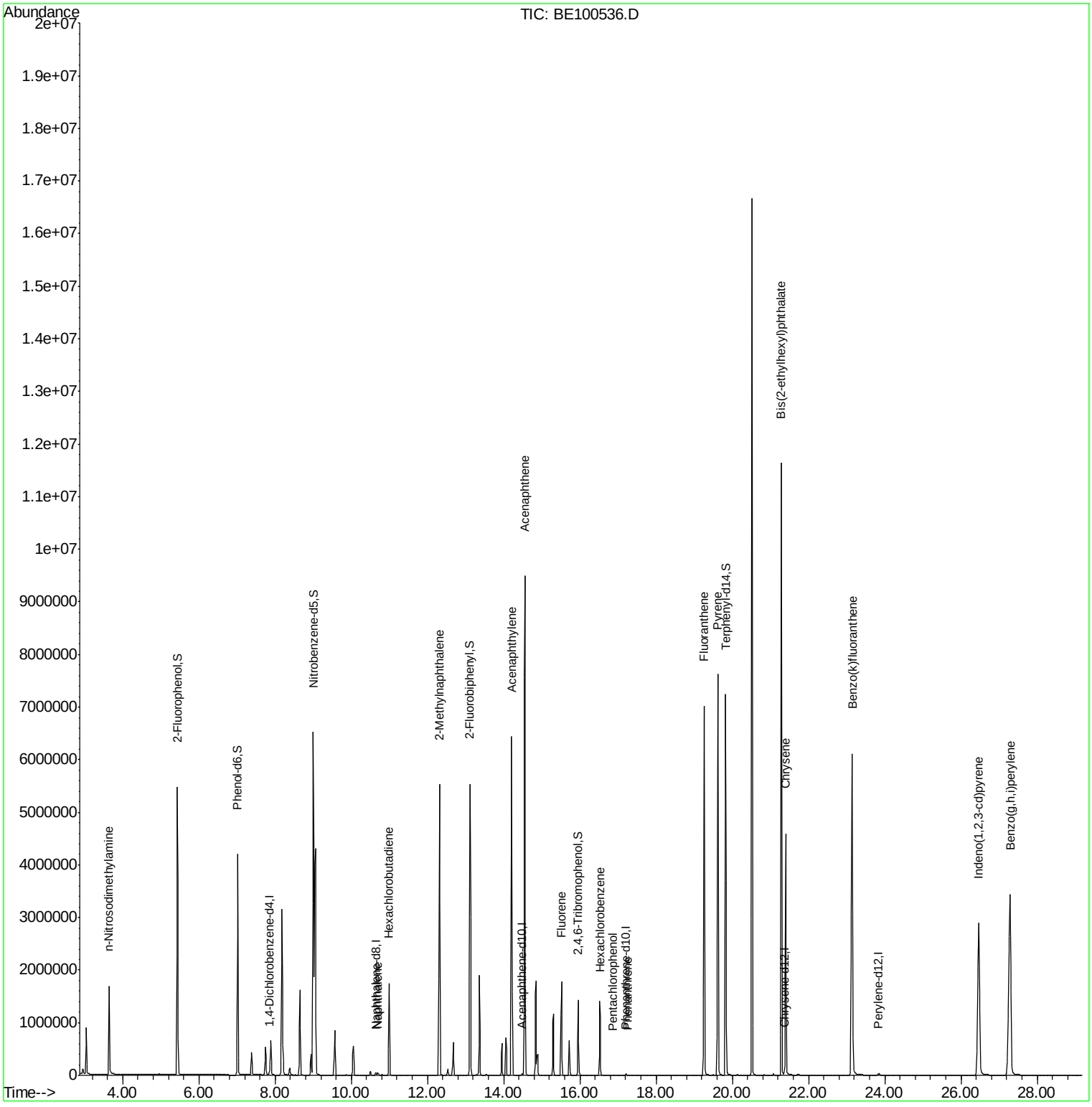
(#) = qualifier out of range (m) = manual integration (+) = signals summed

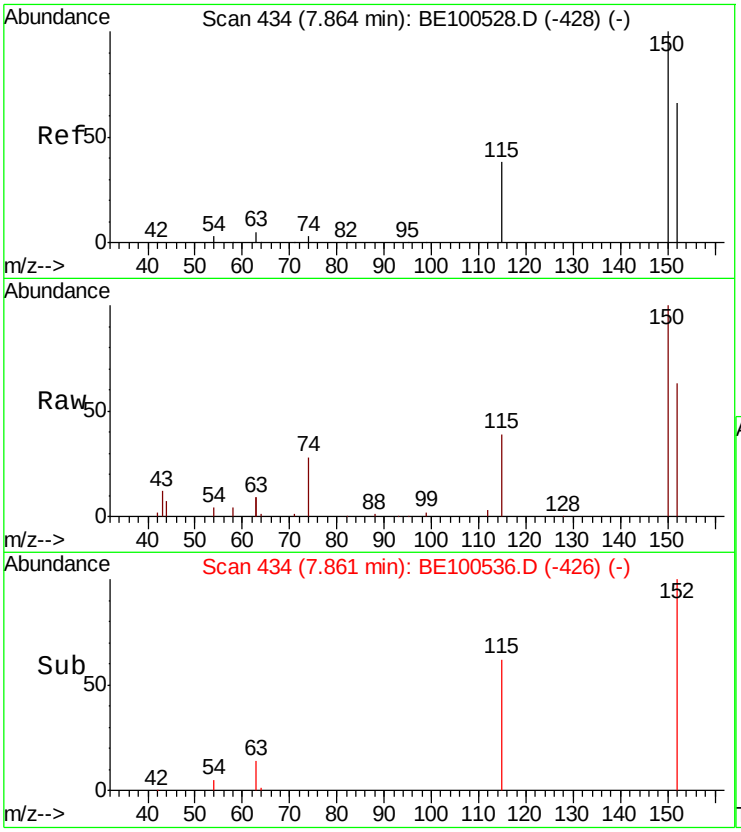
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
Data File : BE100536.D
Acq On : 23 Sep 2019 11:25
Operator : HP/JU
Sample : K4839-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PT-BN-WP

Quant Time: Sep 23 12:25:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration



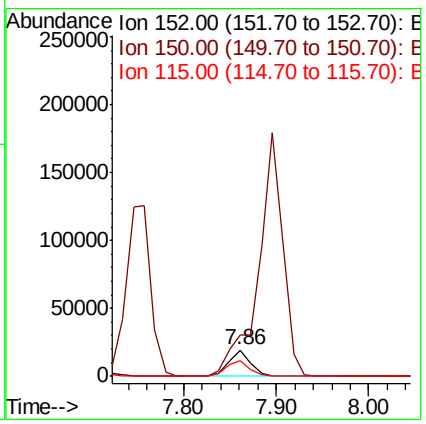


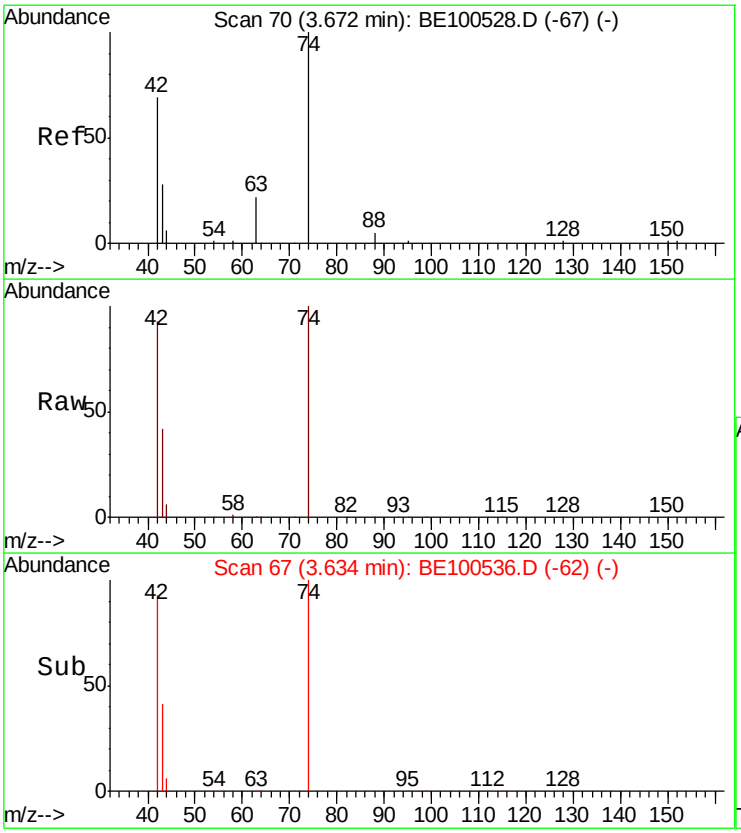

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:152 Resp: 31178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.3 | 121.6 | 182.4 |
| 115 | 62.6 | 48.2 | 72.4 |

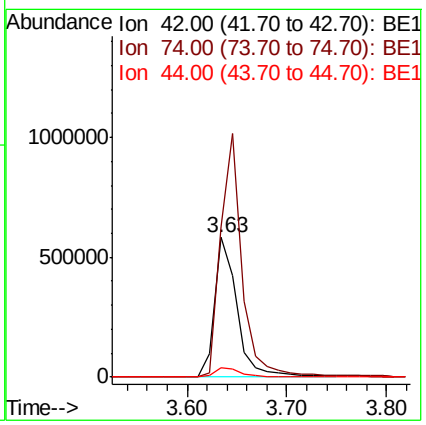


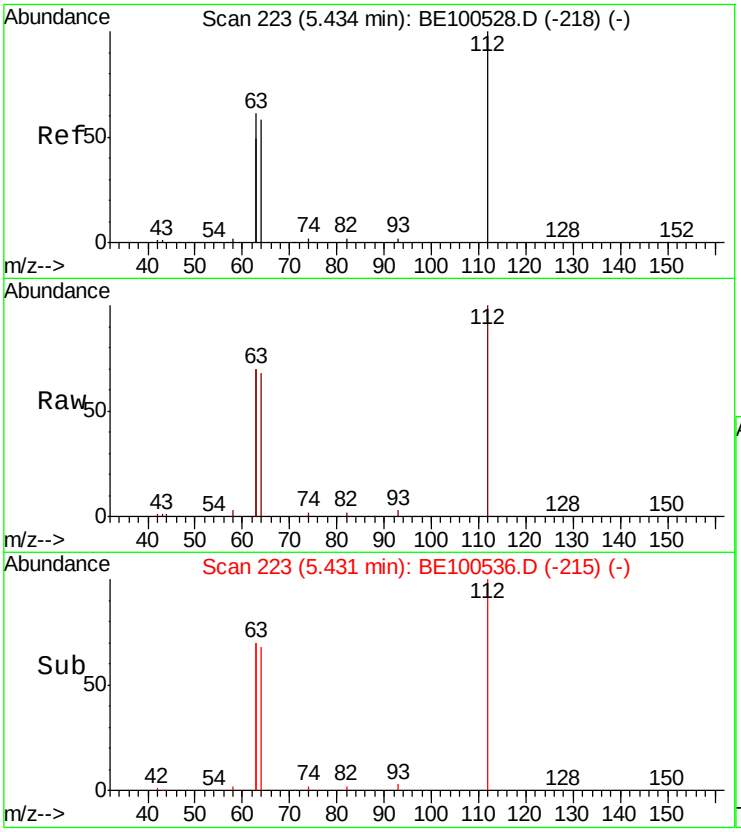




#3
n-Nitrosodimethylamine
Concen: 34.226 ng
RT: 3.63 min Scan# 67
Delta R.T. -0.04 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion: 42 Resp: 903167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 168.3 | 133.8 | 200.6 |
| 44 | 7.1 | 6.4 | 9.6 |



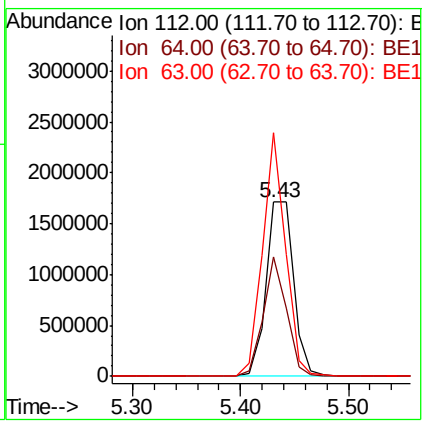


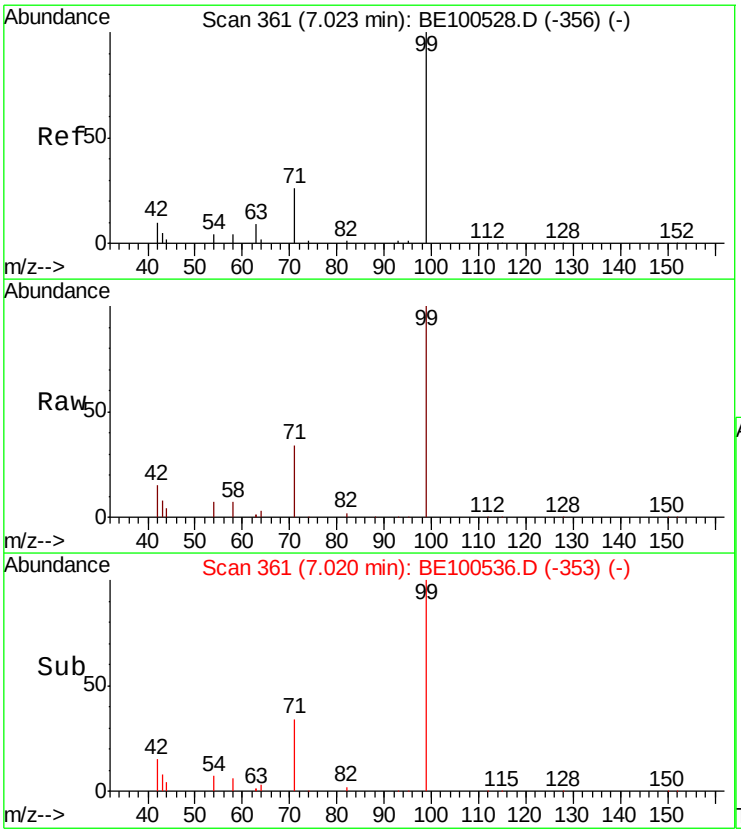

#4
2-Fluorophenol
Concen: 41.561 ng
RT: 5.43 min Scan# 223
Delta R.T. -0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:112 Resp: 3033554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.0 | 44.1 | 66.1 |
| 63 | 116.5 | 86.5 | 129.7 |

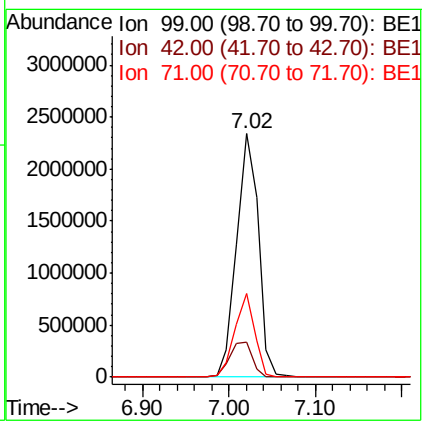


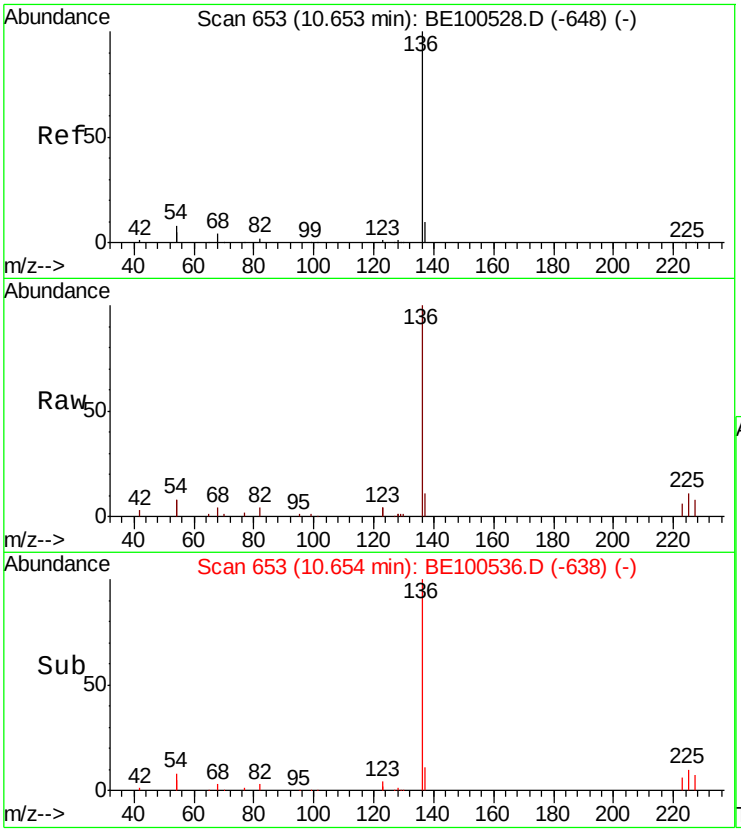




#5
Phenol-d6
Concen: 41.024 ng
RT: 7.02 min Scan# 361
Delta R.T. -0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion: 99 Resp: 4099425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 13.0 | 19.6 |
| 71 | 31.4 | 23.4 | 35.0 |



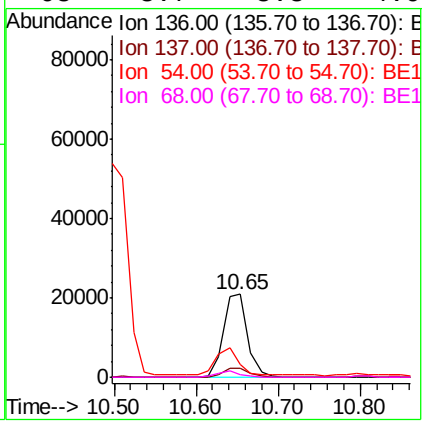


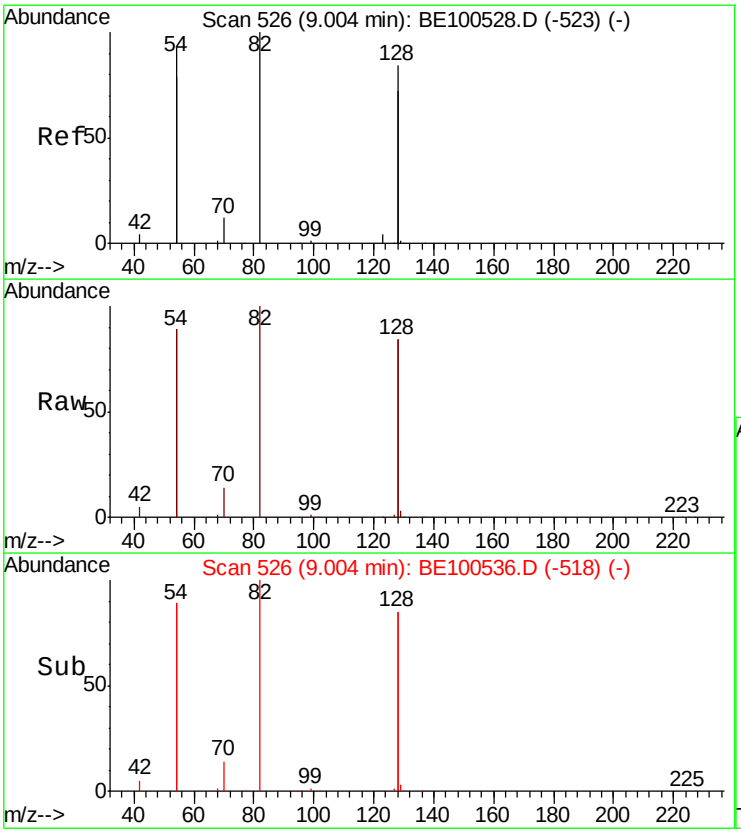

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:136 Resp: 42257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.6 | 13.0 |
| 54 | 15.8 | 12.4 | 18.6 |
| 68 | 3.7 | 3.3 | 4.9 |

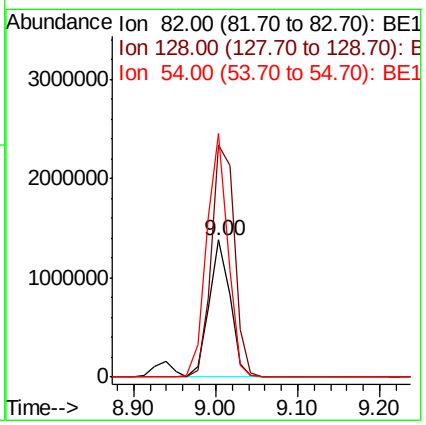


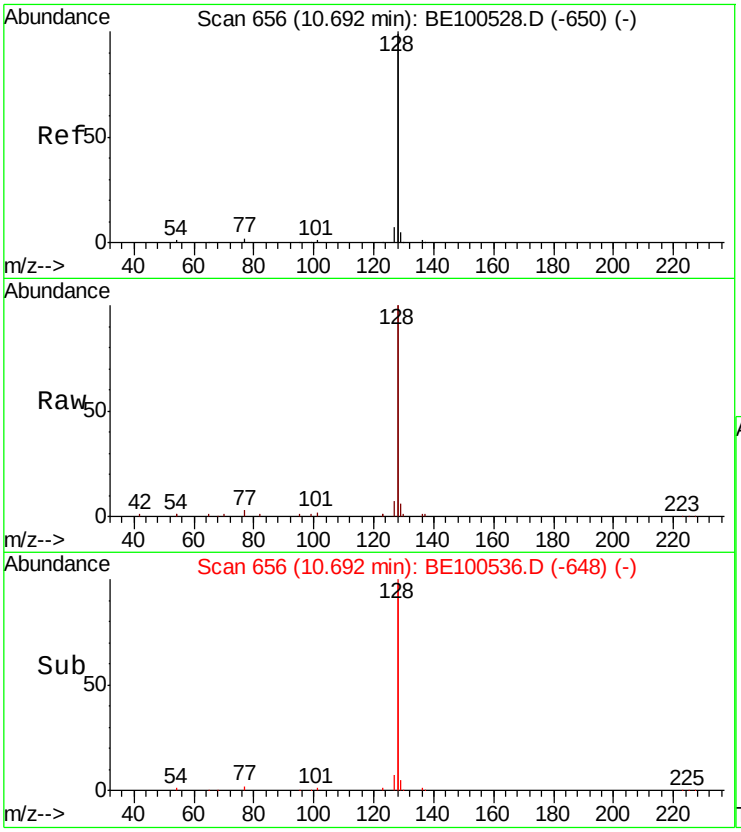




#8
Nitrobenzene-d5
Concen: 100.845 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion: 82 Resp: 2456277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 169.0 | 129.4 | 194.2 |
| 54 | 177.6 | 143.3 | 214.9 |



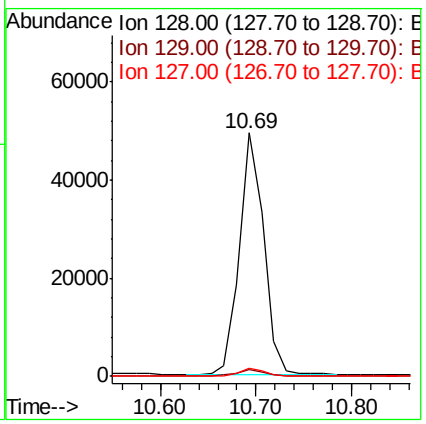


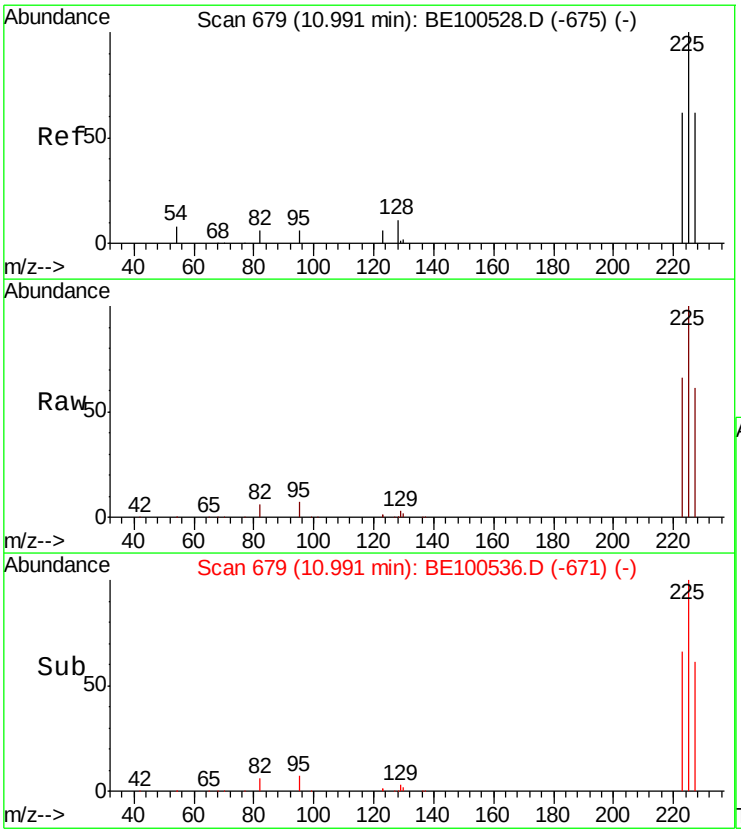

#9
Naphthalene
Concen: 0.196 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:128 Resp: 85868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.8 | 2.2 | 3.4 |
| 127 | 3.4 | 2.7 | 4.1 |

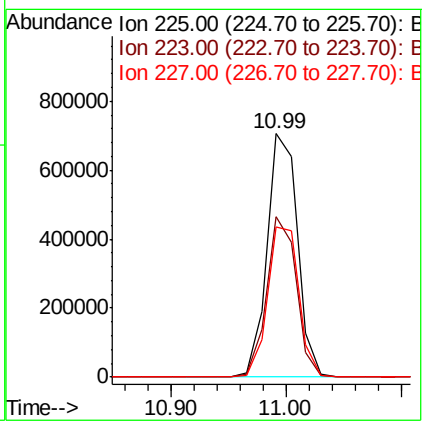


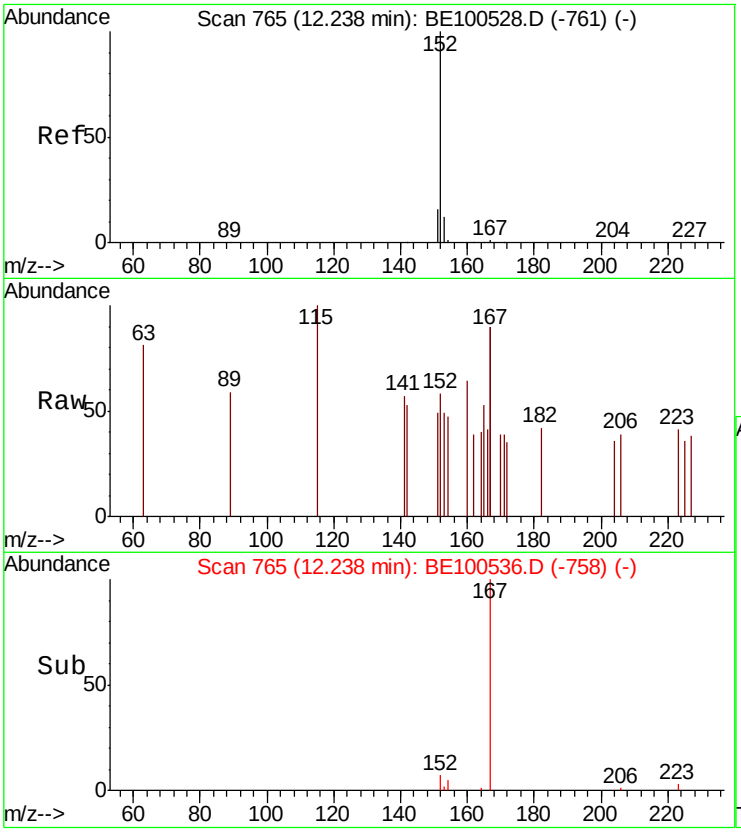




#10
Hexachlorobutadiene
Concen: 93.639 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:225 Resp: 1311946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 49.7 | 74.5 |
| 227 | 63.5 | 51.4 | 77.2 |



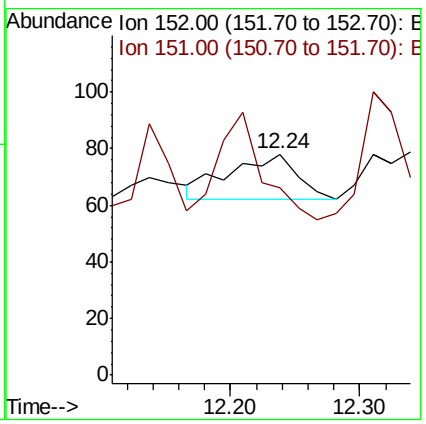


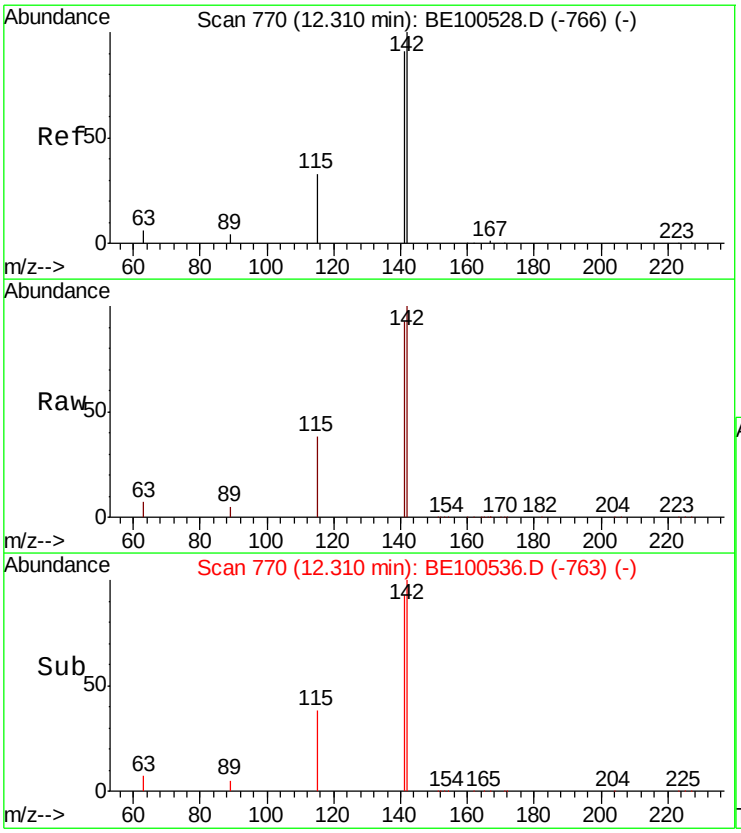

#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:152 Resp: 59

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 0.0 | 15.3 | 22.9# |

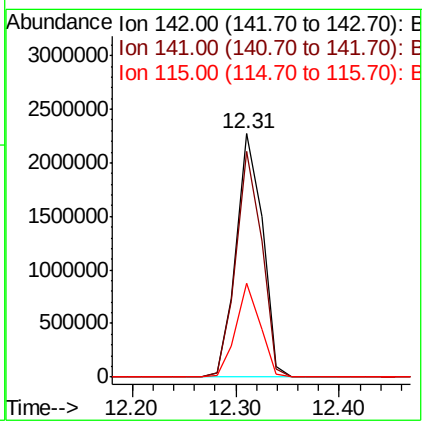


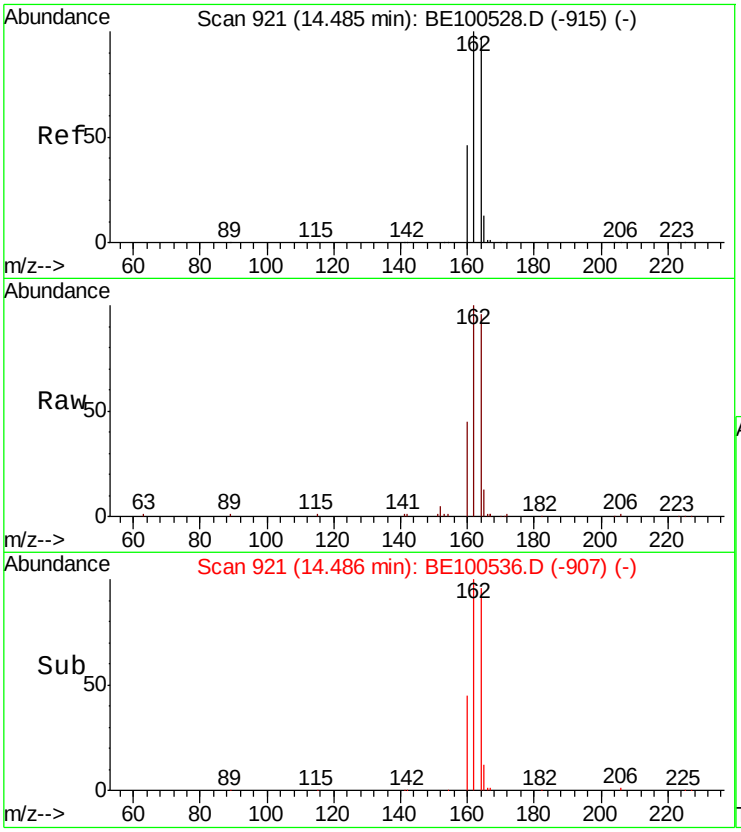




#12
2-Methylnaphthalene
Concen: 57.749 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:142 Resp: 4025918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.9 | 72.5 | 108.7 |
| 115 | 38.3 | 27.2 | 40.8 |



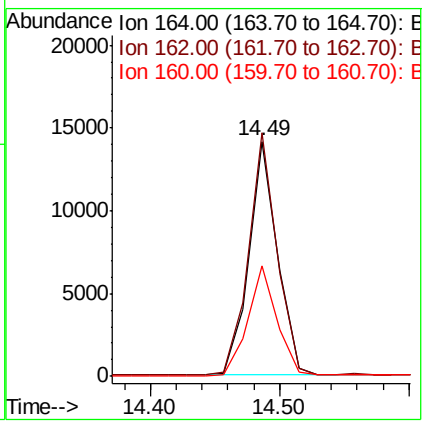


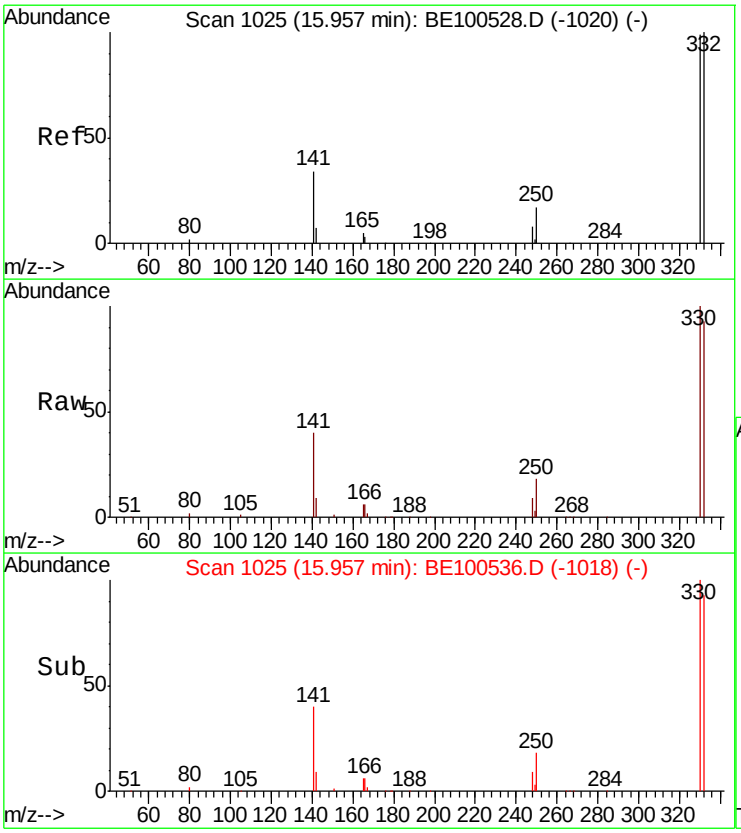

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:164 Resp: 21523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.7 | 82.1 | 123.1 |
| 160 | 46.8 | 37.6 | 56.4 |

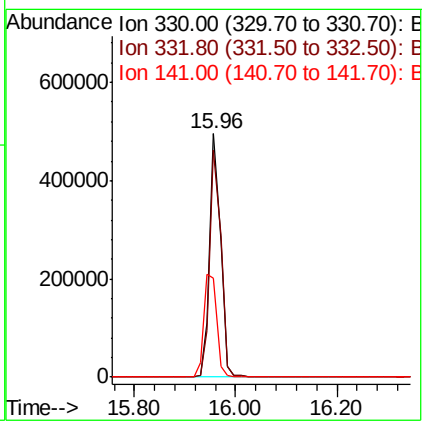


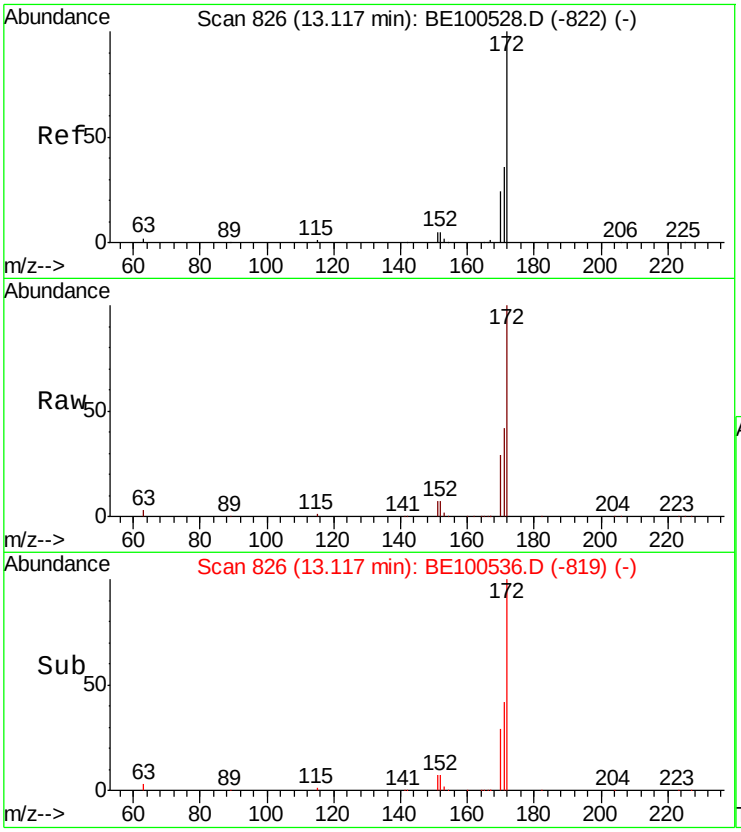




#14
2,4,6-Tribromophenol
Concen: 212.514 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:330 Resp: 739735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 75.5 | 113.3 |
| 141 | 51.1 | 42.3 | 63.5 |



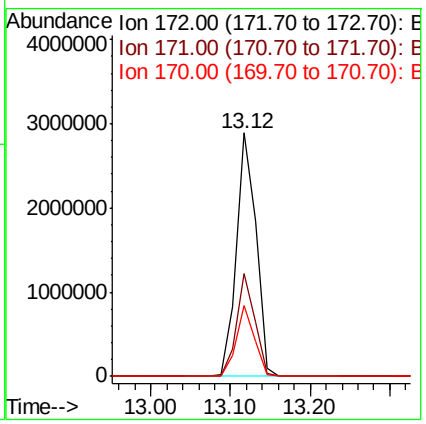


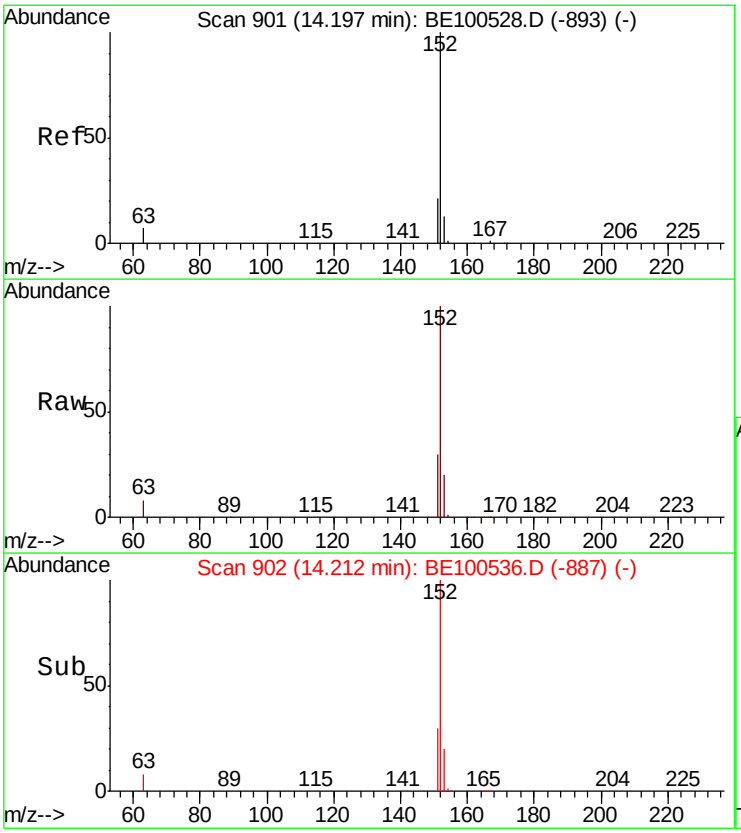

#15
2-Fluorobiphenyl
Concen: 64.022 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:172 Resp: 4918695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 42.2 | 28.8 | 43.2 |
| 170 | 28.9 | 19.4 | 29.0 |

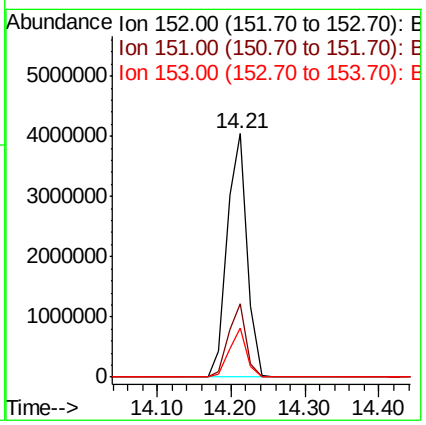


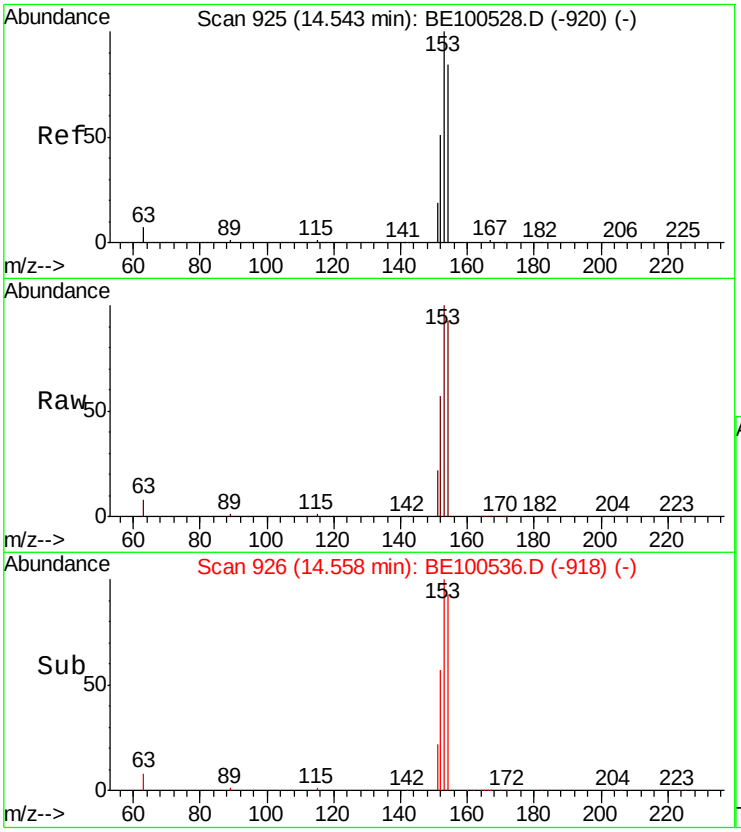




#16
Acenaphthylene
Concen: 85.233 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:152 Resp: 7553327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 26.6 | 15.9 | 23.9# |
| 153 | 17.5 | 10.7 | 16.1# |



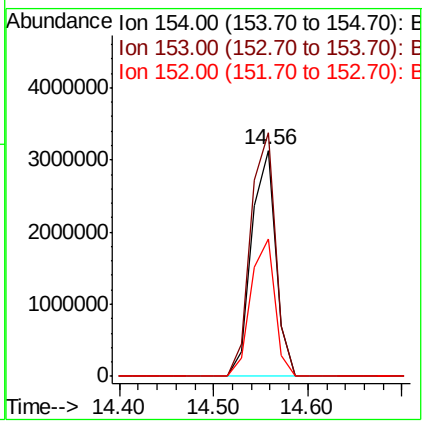


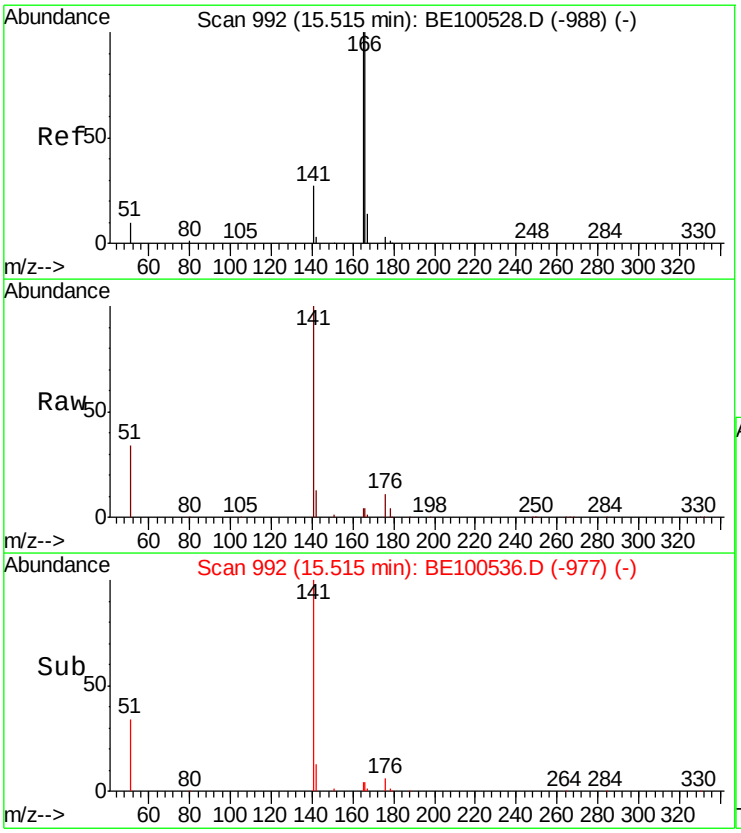

#17
Acenaphthene
Concen: 94.502 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:154 Resp: 5655968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.9 | 93.7 | 140.5 |
| 152 | 60.7 | 47.3 | 70.9 |

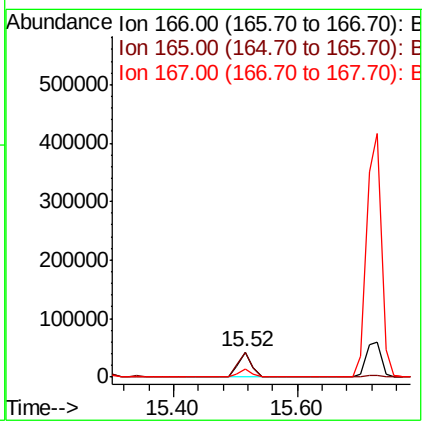


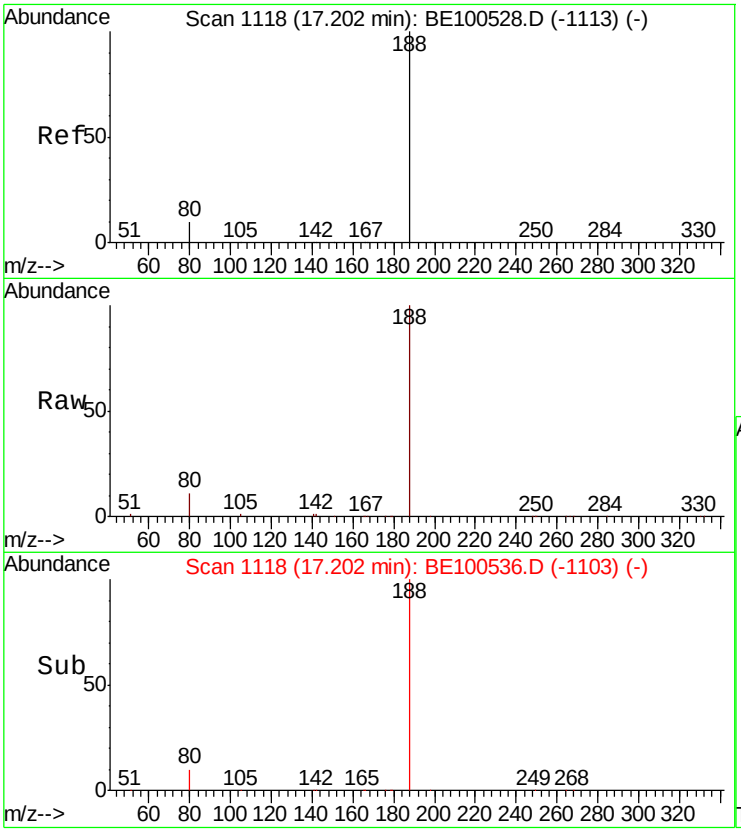




#18
Fluorene
Concen: 0.853 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:166 Resp: 63857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.6 | 80.1 | 120.1 |
| 167 | 30.4 | 10.9 | 16.3# |



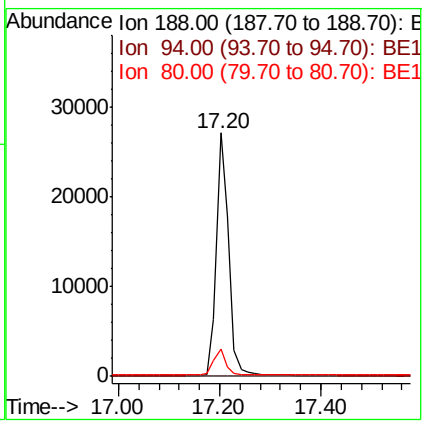


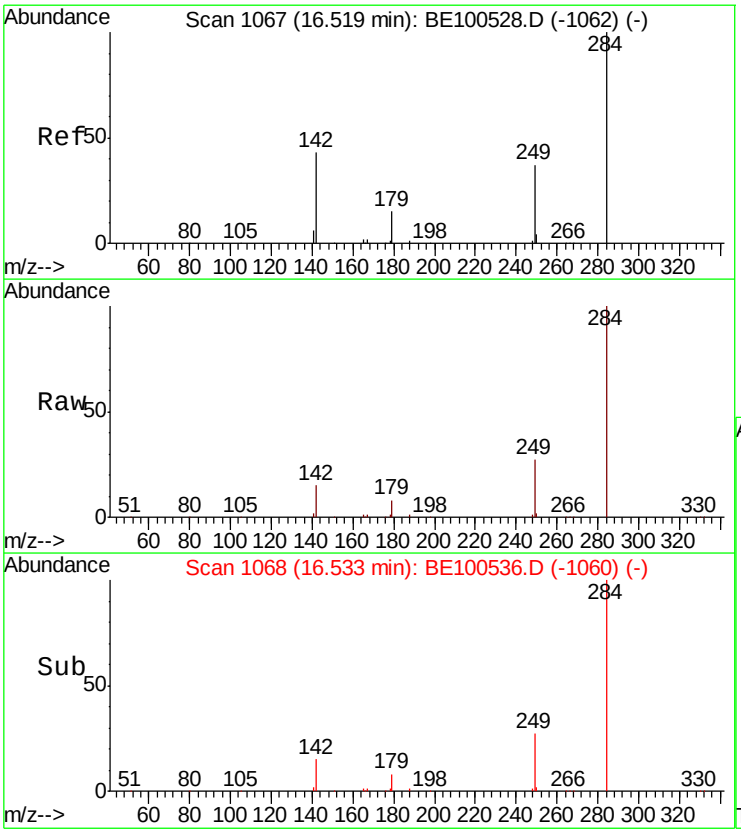

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:188 Resp: 45580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 11.0 | 8.0 | 12.0 |

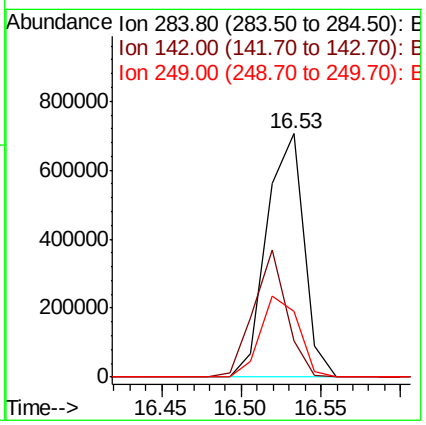


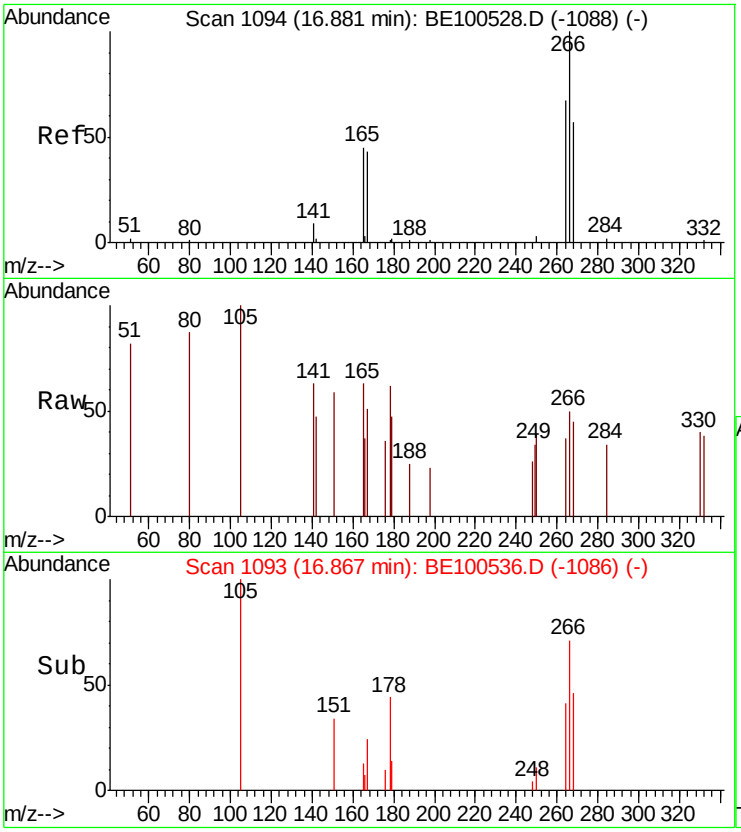




#21
Hexachlorobenzene
Concen: 61.677 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:284 Resp: 1151011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 46.0 | 39.0 | 58.6 |
| 249 | 34.1 | 28.2 | 42.2 |



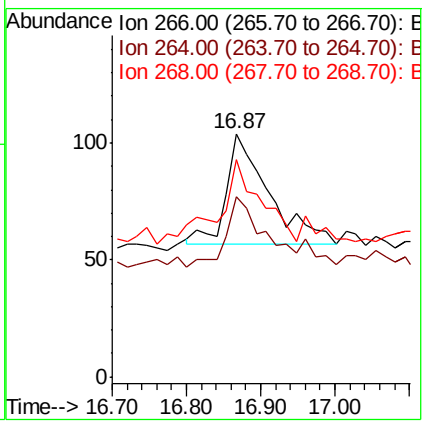


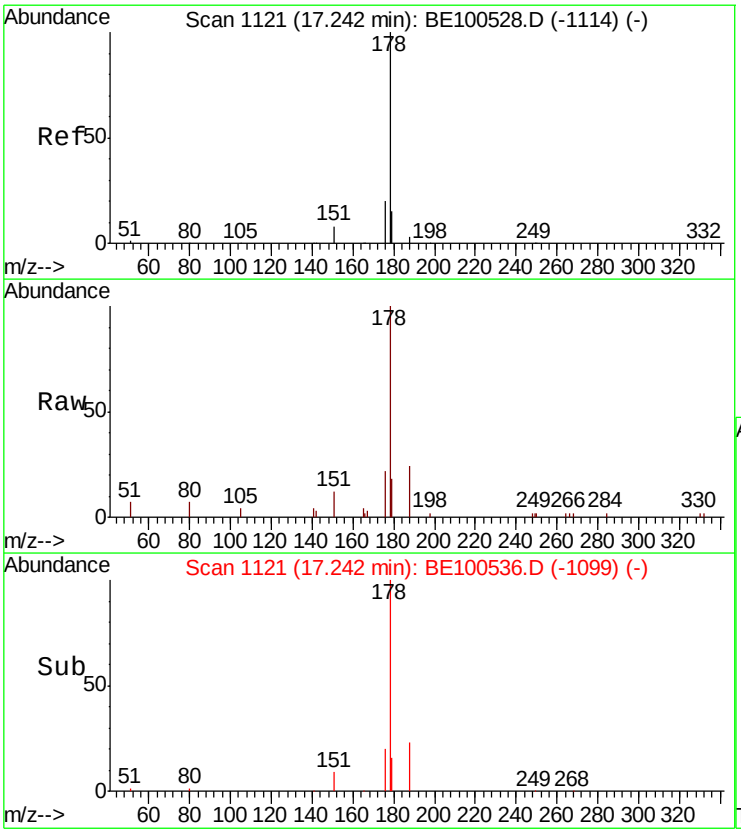

#22
Pentachlorophenol
Concen: 0.215 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:266 Resp: 185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 74.0 | 57.6 | 86.4 |
| 268 | 89.4 | 55.1 | 82.7# |

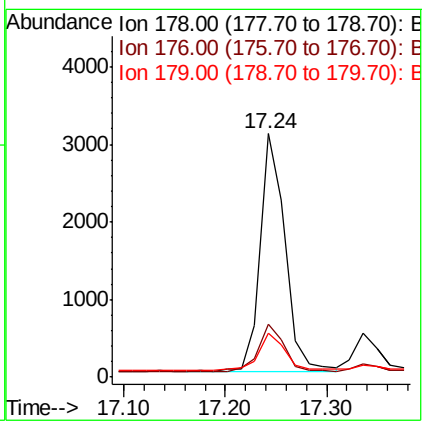


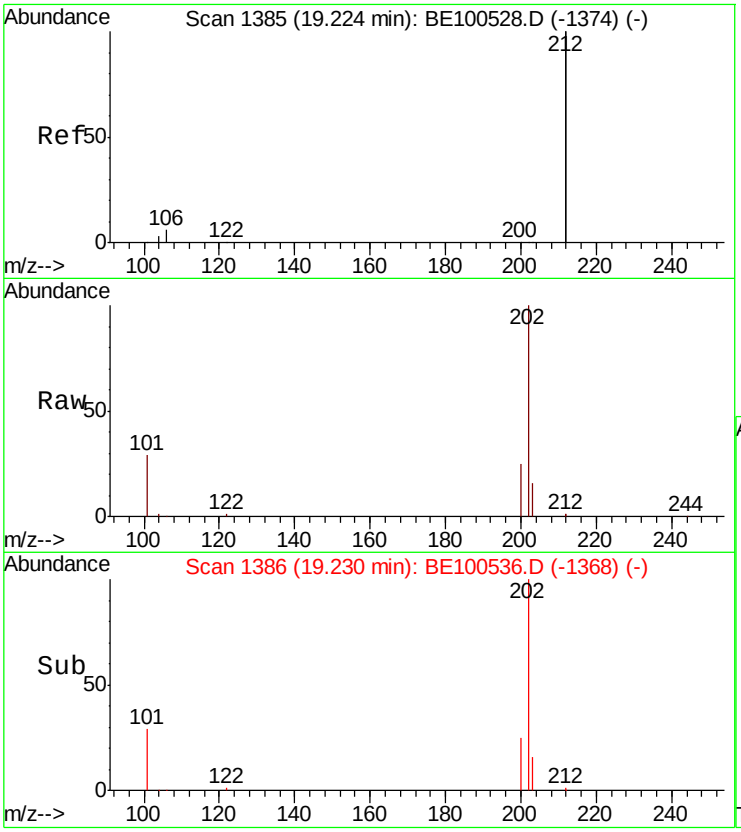




#23
Phenanthrene
Concen: 0.041 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:178 Resp: 5270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.7 | 15.4 | 23.2 |
| 179 | 17.2 | 12.6 | 18.8 |



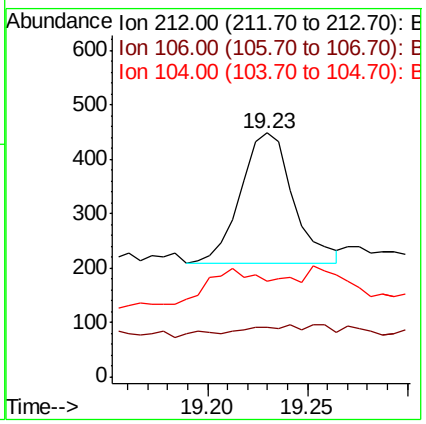


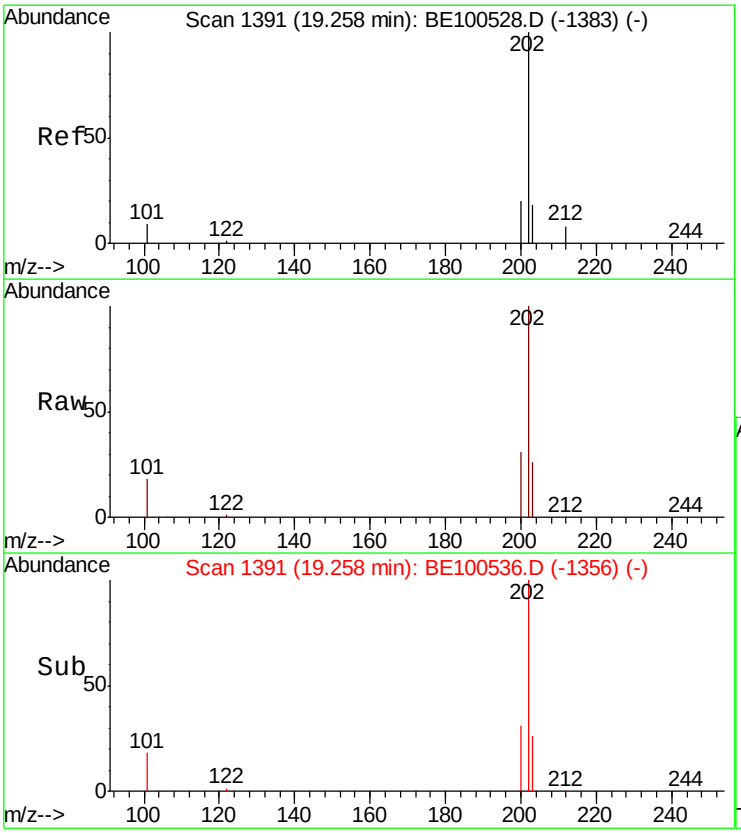

#25
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.23 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:212 Resp: 439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 11.8 | 2.3 | 3.5# |
| 104 | 0.0 | 1.3 | 1.9# |

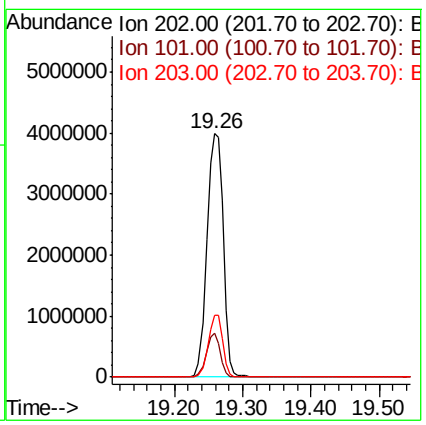


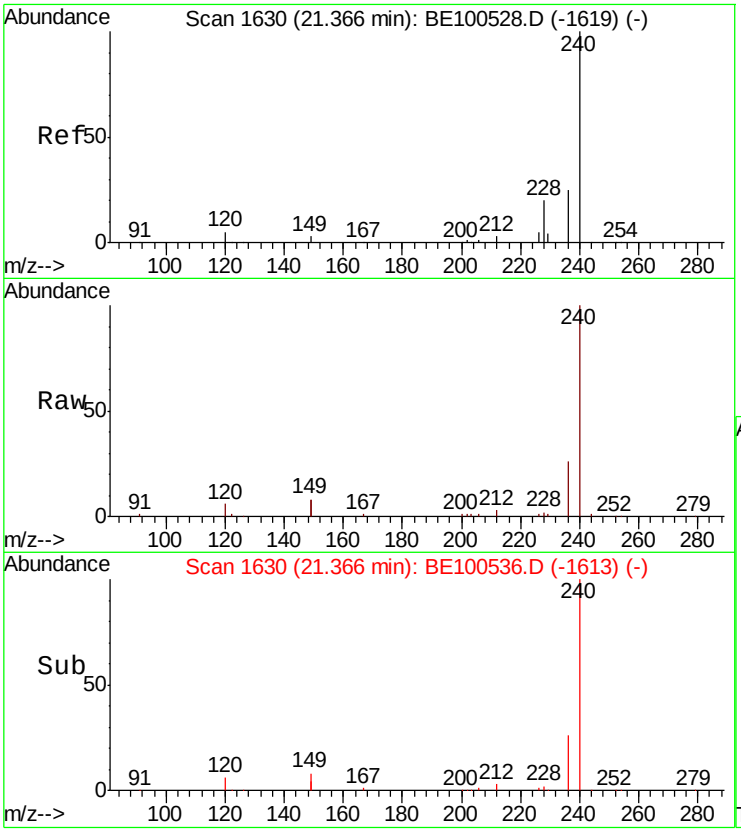




#26
Fluoranthene
Concen: 43.421 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:202 Resp: 6650099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.3 | 8.8 | 13.2# |
| 203 | 22.6 | 13.7 | 20.5# |



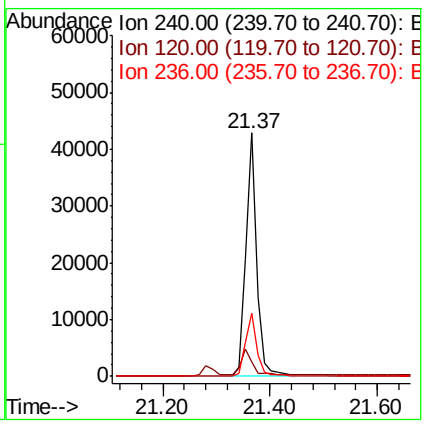


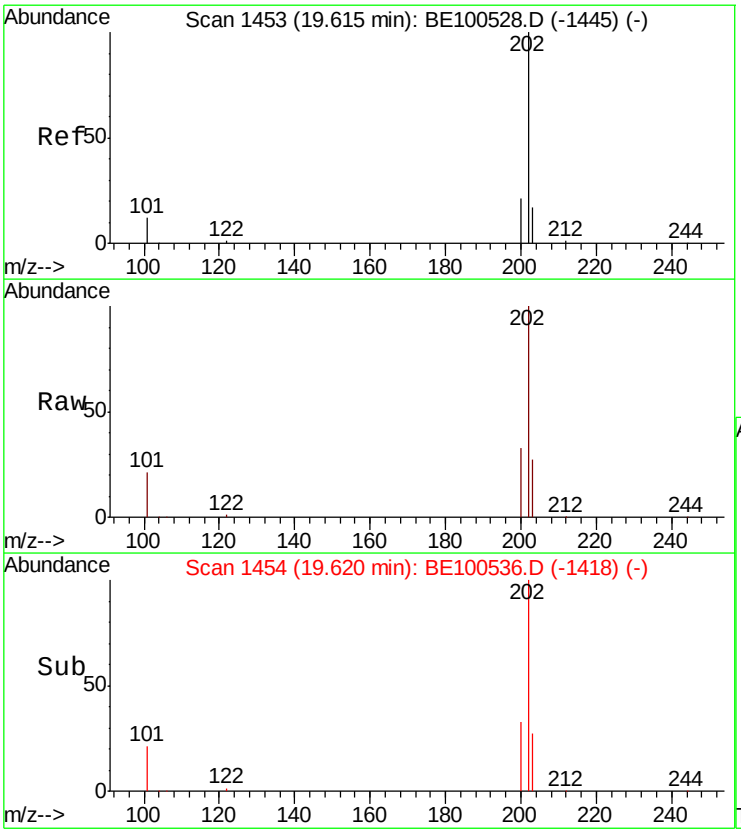

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:240 Resp: 61085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.9 | 4.5 | 6.7 |
| 236 | 26.0 | 20.6 | 30.8 |

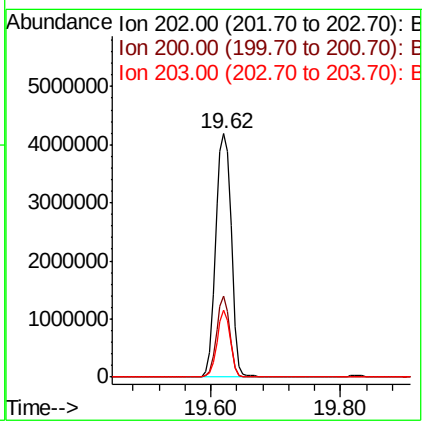


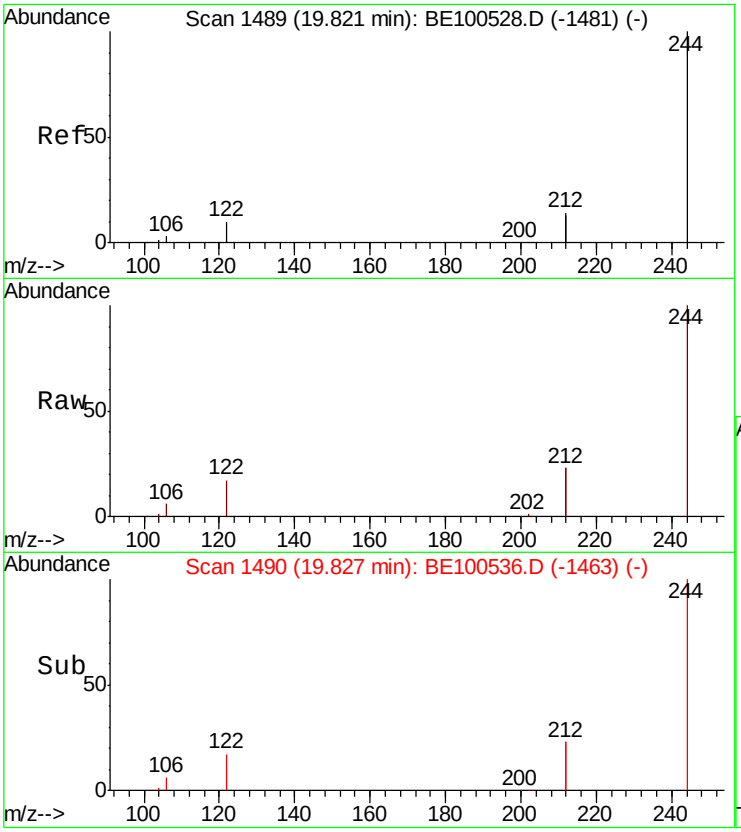




#28
Pyrene
Concen: 40.693 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:202 Resp: 7152226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 28.3 | 16.6 | 25.0# |
| 203 | 23.3 | 14.0 | 21.0# |



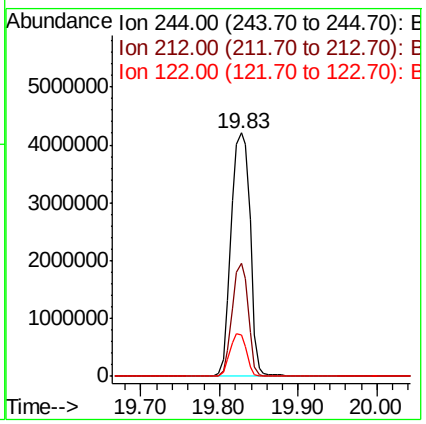


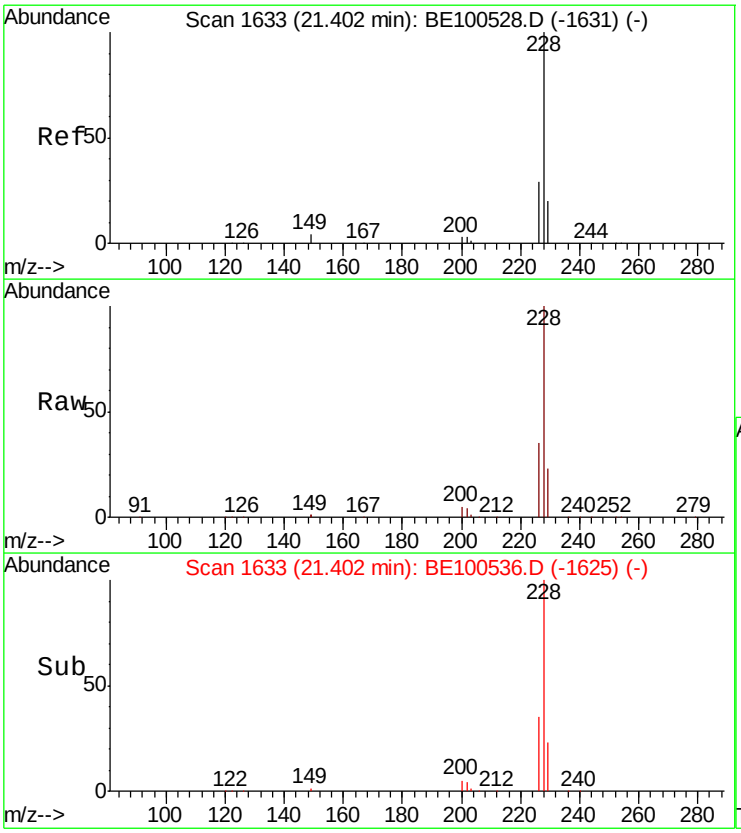

#29
Terphenyl-d14
Concen: 49.546 ng
RT: 19.83 min Scan# 1490
Delta R.T. 0.01 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:244 Resp: 7167945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 46.7 | 22.2 | 33.2# |
| 122 | 17.1 | 8.3 | 12.5# |

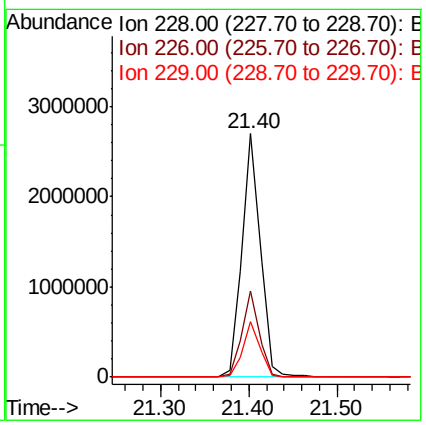


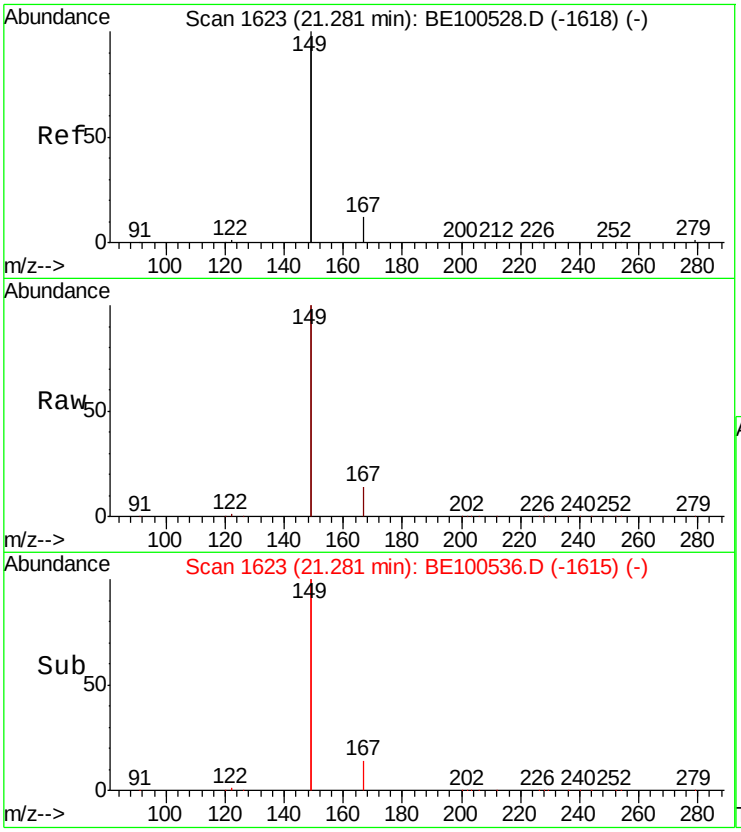




#31
Chrysene
Concen: 21.223 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:228 Resp: 3945160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 35.4 | 23.3 | 34.9# |
| 229 | 22.7 | 16.3 | 24.5 |



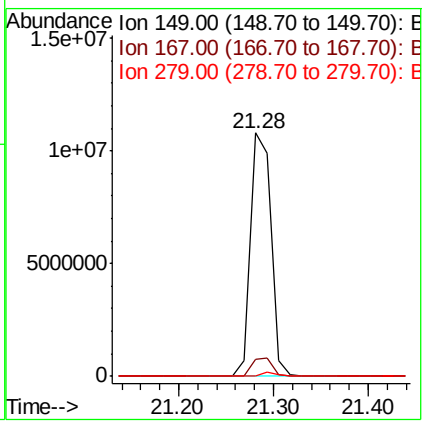


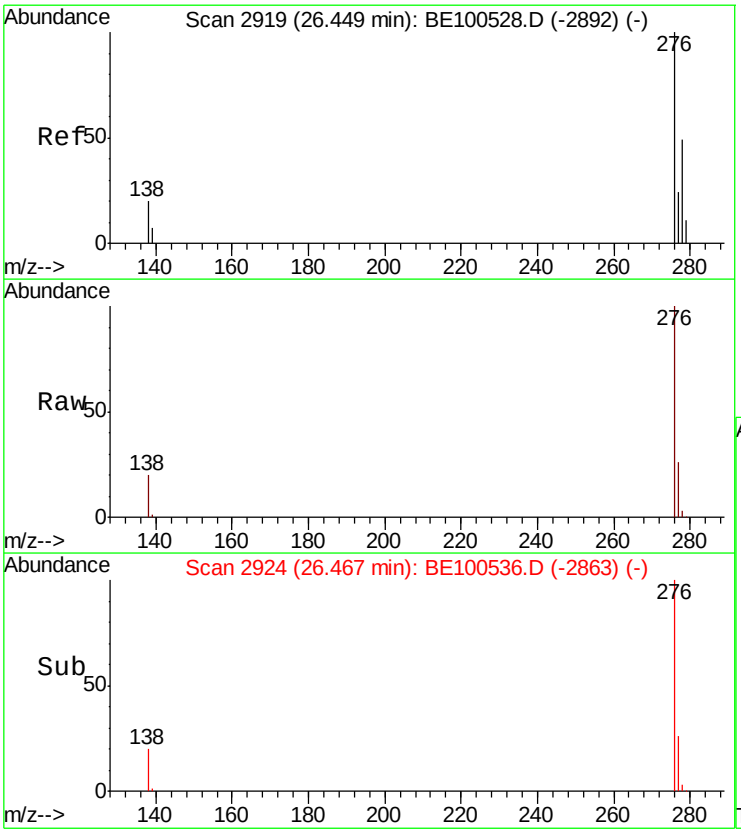

#32
Bis(2-ethylhexyl)phthalate
Concen: 91.766 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:149 Resp:16136919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.5 | 5.2 | 7.8 |
| 279 | 1.2 | 1.0 | 1.4 |

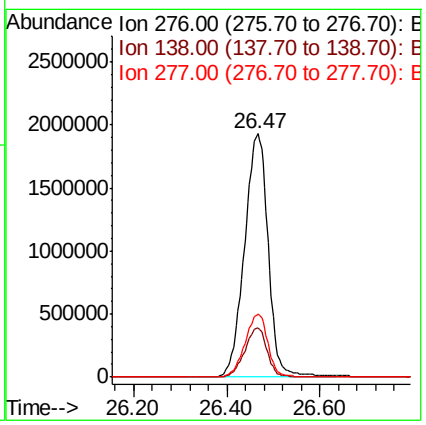


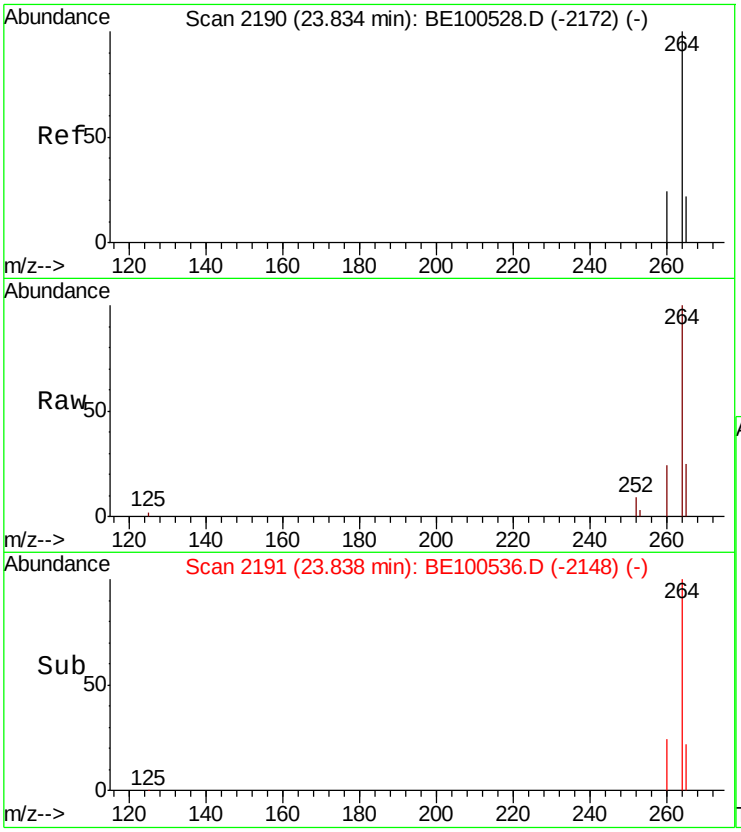




#33
Indeno(1,2,3-cd)pyrene
Concen: 32.994 ng
RT: 26.47 min Scan# 2924
Delta R.T. 0.02 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:276 Resp: 6818993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.3 | 17.7 | 26.5 |
| 277 | 25.2 | 19.9 | 29.9 |



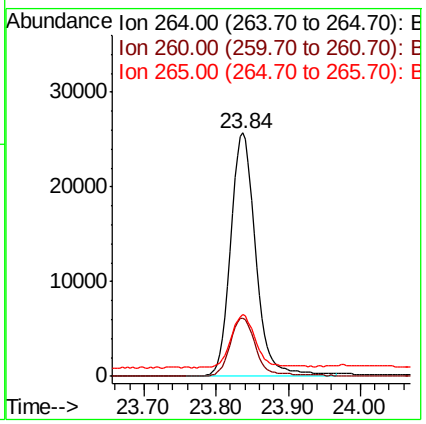


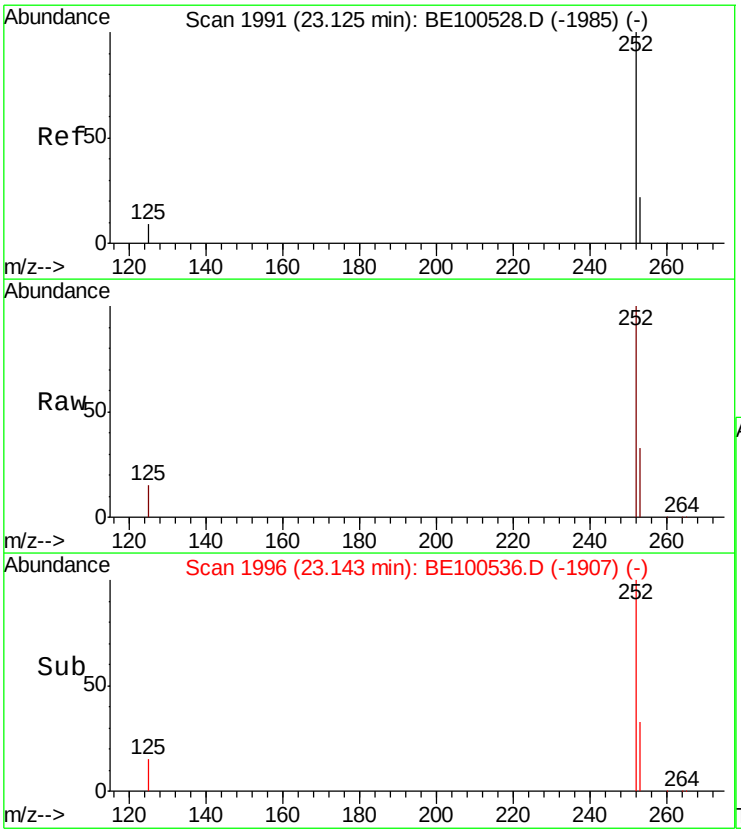

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:264 Resp: 59987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.6 | 29.4 |
| 265 | 25.2 | 21.8 | 32.8 |

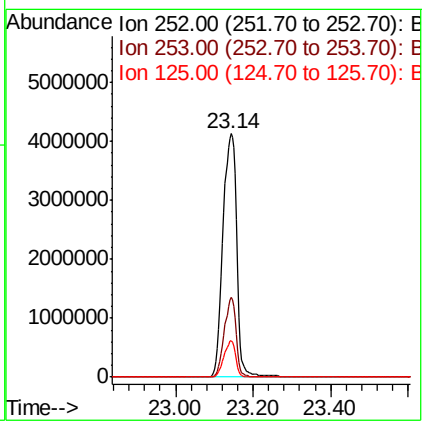


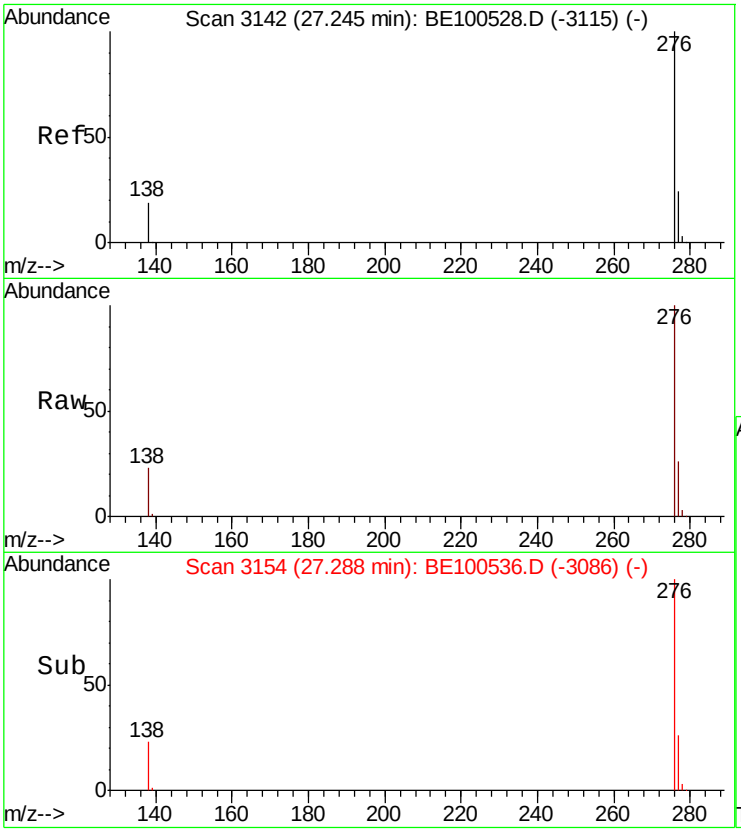




#36
Benzo(k)fluoranthene
Concen: 54.983 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.02 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

Tgt Ion:252 Resp:10325562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.9 | 17.9 | 26.9# |
| 125 | 15.0 | 8.5 | 12.7# |






#39
Benzo(g,h,i)perylene
Concen: 54.868 ng
RT: 27.29 min Scan# 3154
Delta R.T. 0.04 min
Lab File: BE100536.D
Acq: 23 Sep 2019 11:25

**Instrument :**
BNA_E
**ClientSampleId :**
PT-BN-WP

Tgt Ion:276 Resp: 9038076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.4 | 19.2 | 28.8 |
| 138 | 22.7 | 15.7 | 23.5 |