Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062119\
Data File : BE100136.D
Acq On : 21 Jun 2019 15:04
Operator : JU/SJ
Sample : K3428-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PST-084-B046-061319

Quant Time: Jun 22 02:02:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 438 | 0.40 | ng | | -0.01 |
| 7) Naphthalene-d8 | 10.55 | 136 | 1597 | 0.40 | ng | | 0.01 |
| 13) Acenaphthene-d10 | 14.40 | 164 | 1683 | 0.40 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.15 | 188 | 5930 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.34 | 240 | 8303 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.83 | 264 | 9432 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.30 | 112 | 346 | 0.38 | ng | | 0.00 |
| 5) Phenol-d6 | 6.92 | 99 | 516 | 0.41 | ng | | -0.01 |
| 8) Nitrobenzene-d5 | 8.94 | 82 | 404 | 0.26 | ng | | 0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.17 | 152 | 65 | 0.02 | ng | | 0.01 |
| 14) 2,4,6-Tribromophenol | 15.90 | 330 | 329 | 0.35 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.04 | 172 | 1776 | 0.27 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.19 | 212 | 2040 | 0.02 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.79 | 244 | 5555 | 0.33 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.63 | 42 | 30 | 0.406 | ng | # | 100 |
| 6) bis(2-Chloroethyl)ether | 7.22 | 93 | 6 | 0.038 | ng | # | 1 |
| 22) Pentachlorophenol | 16.81 | 266 | 19 | 0.257 | ng | | 95 |
| 23) Phenanthrene | 17.20 | 178 | 1573 | 0.111 | ng | | 97 |
| 24) Anthracene | 17.30 | 178 | 260 | 0.022 | ng | | 95 |
| 26) Fluoranthene | 19.22 | 202 | 5615 | 0.246 | ng | | 100 |
| 28) Pyrene | 19.58 | 202 | 5254 | 0.246 | ng | | 96 |
| 30) Benzo(a)anthracene | 21.32 | 228 | 3865 | 0.156 | ng | # | 92 |
| 31) Chrysene | 21.38 | 228 | 4291 | 0.150 | ng | # | 93 |
| 32) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 10187 | 0.437 | ng | # | 96 |
| 33) Indeno(1,2,3-cd)pyrene | 26.46 | 276 | 2471 | 0.077 | ng | # | 96 |
| 35) Benzo(b)fluoranthene | 23.06 | 252 | 5436 | 0.196 | ng | # | 77 |
| 36) Benzo(k)fluoranthene | 23.06 | 252 | 5436 | 0.173 | ng | # | 77 |
| 37) Benzo(a)pyrene | 23.72 | 252 | 3428 | 0.128 | ng | # | 79 |
| 38) Dibenzo(a,h)anthracene | 26.48 | 278 | 679 | 0.025 | ng | # | 35 |
| 39) Benzo(g,h,i)perylene | 27.28 | 276 | 2547 | 0.090 | ng | # | 89 |

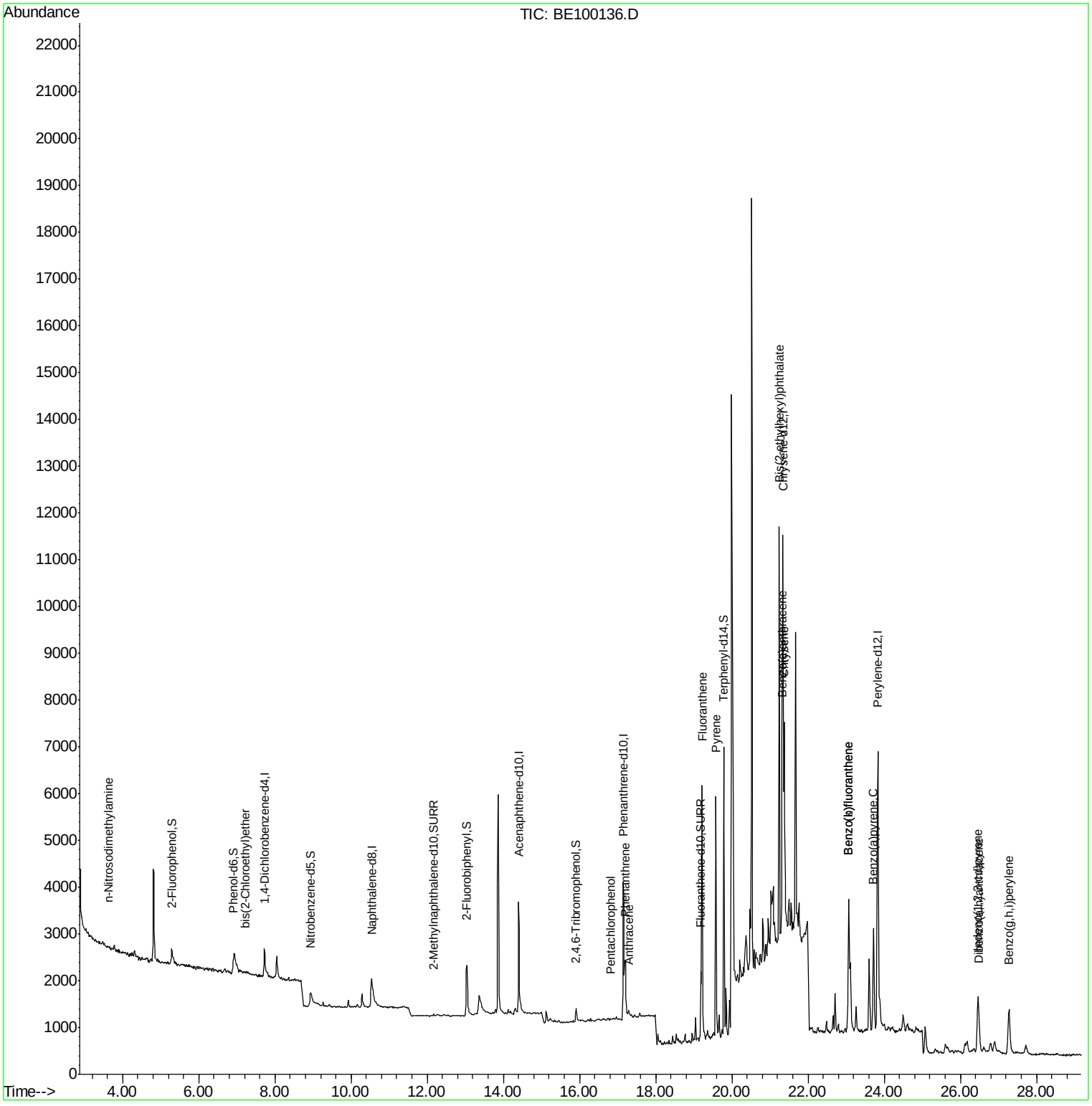
(#) = qualifier out of range (m) = manual integration (+) = signals summed

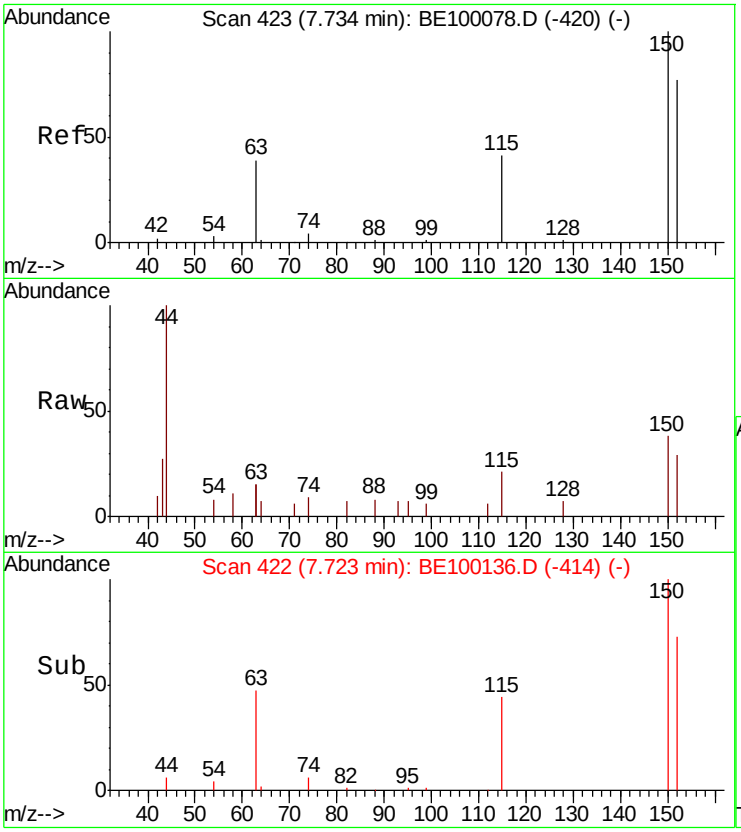
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062119\
Data File : BE100136.D
Acq On : 21 Jun 2019 15:04
Operator : JU/SJ
Sample : K3428-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Quant Time: Jun 22 02:02:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration



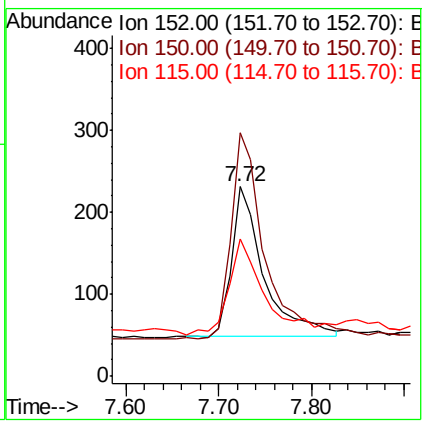


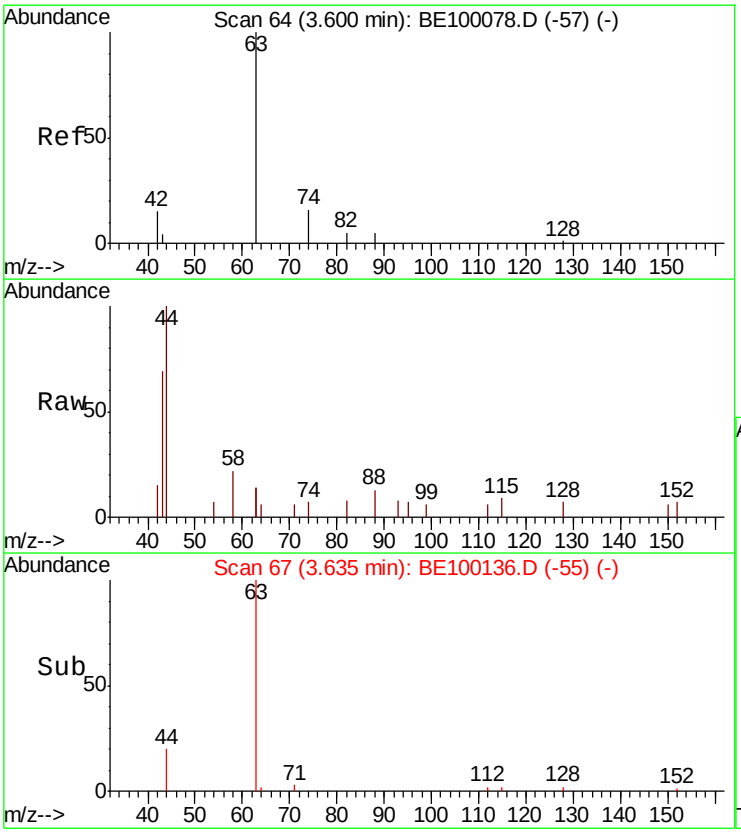

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:152 Resp: 438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 128.6 | 99.8 | 149.8 |
| 115 | 72.7 | 51.3 | 76.9 |

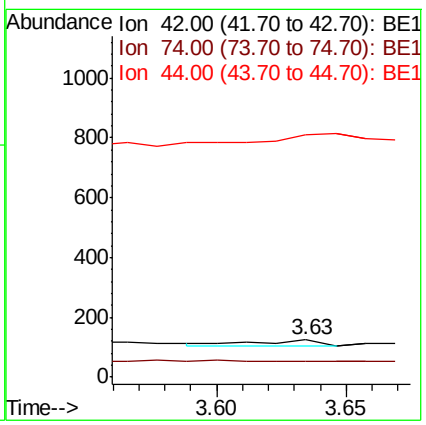


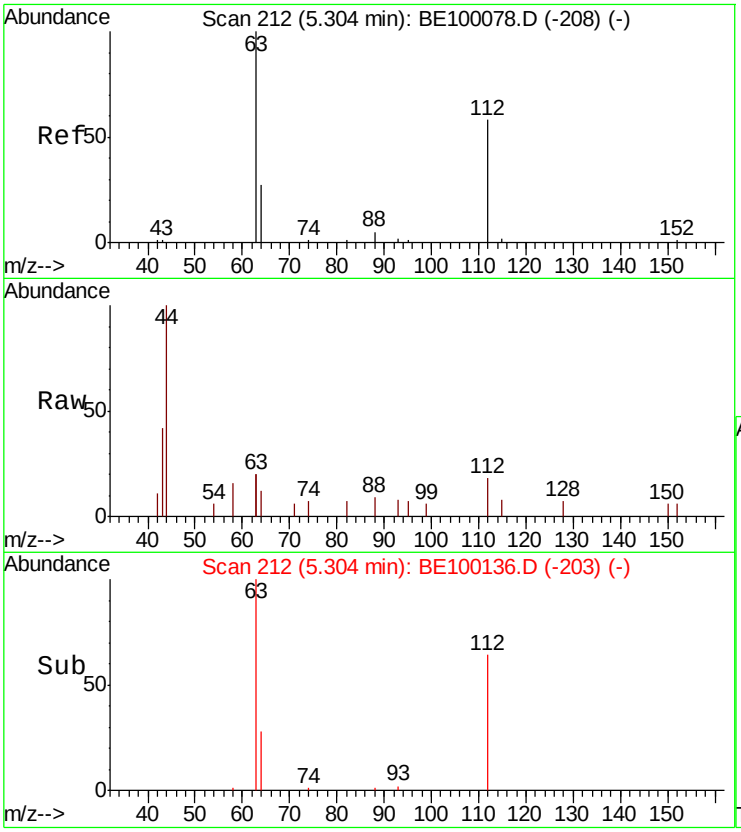




#3
n-Nitrosodimethylamine
Concen: 0.406 ng
RT: 3.63 min Scan# 67
Delta R.T. 0.04 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion: 42 Resp: 30

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 13.3 | 0.0 | 0.0# |
| 44 | 0.0 | 0.0 | 0.0 |



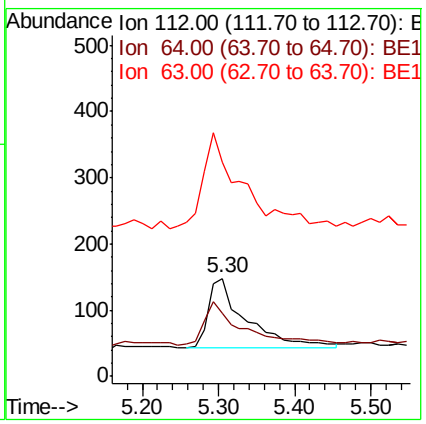


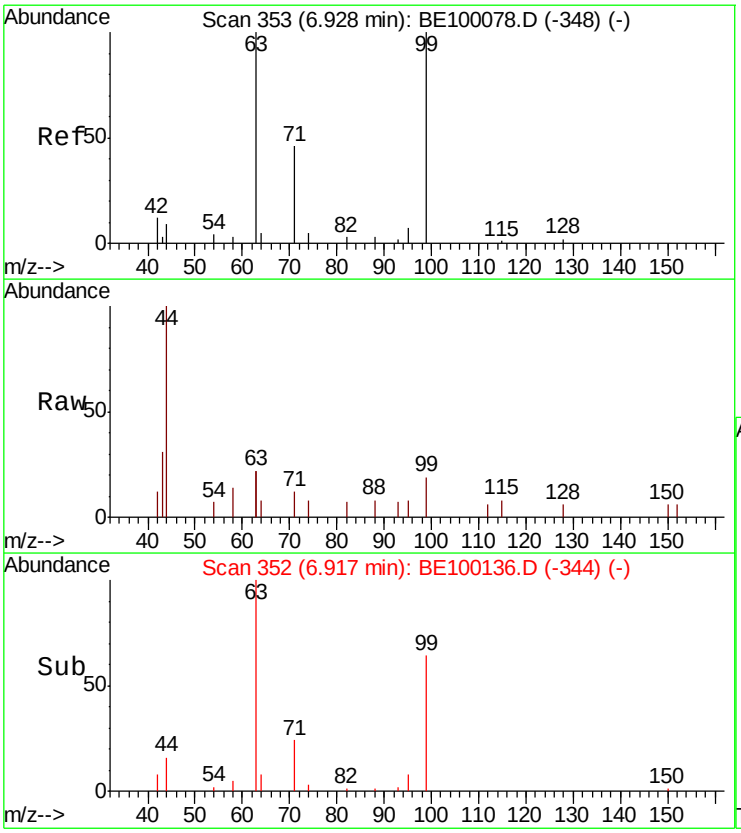

#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.30 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:112 Resp: 346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.0 | 22.0 | 33.0# |
| 63 | 147.7 | 121.8 | 182.6 |

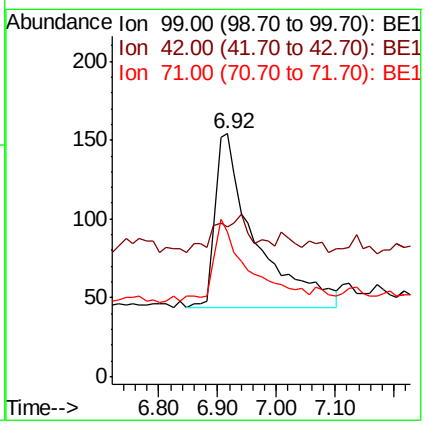


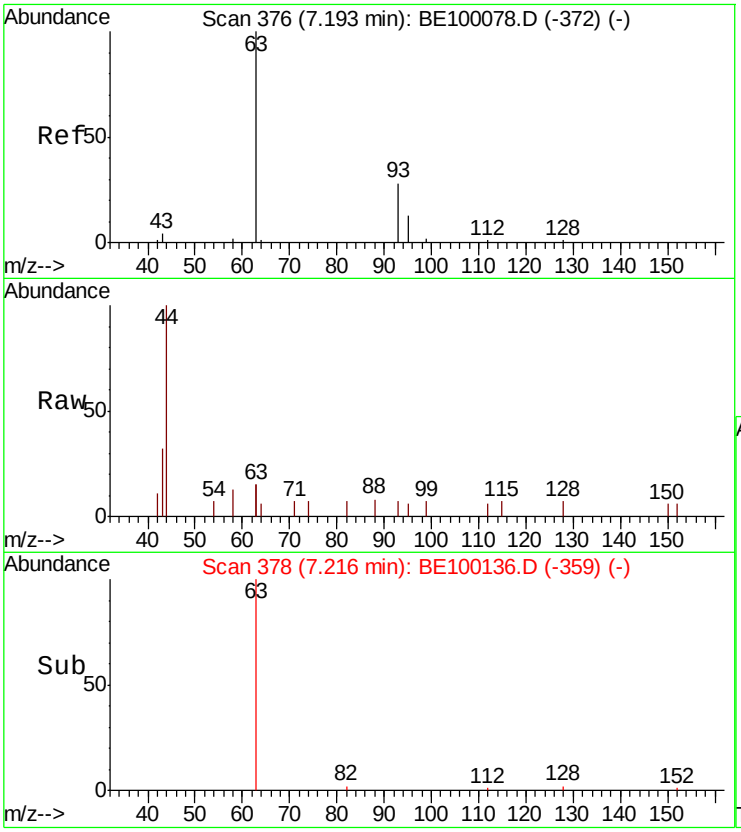




#5
Phenol-d6
Concen: 0.413 ng
RT: 6.92 min Scan# 352
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion: 99 Resp: 516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 0.0 | 0.0 |
| 71 | 40.3 | 37.6 | 56.4 |



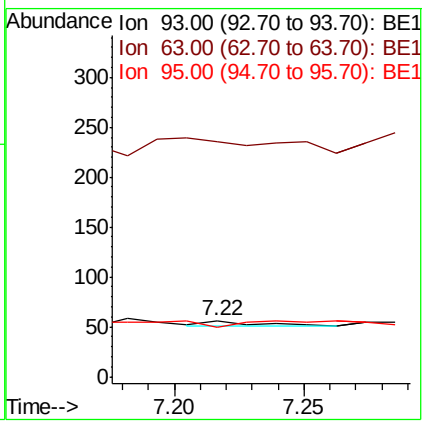


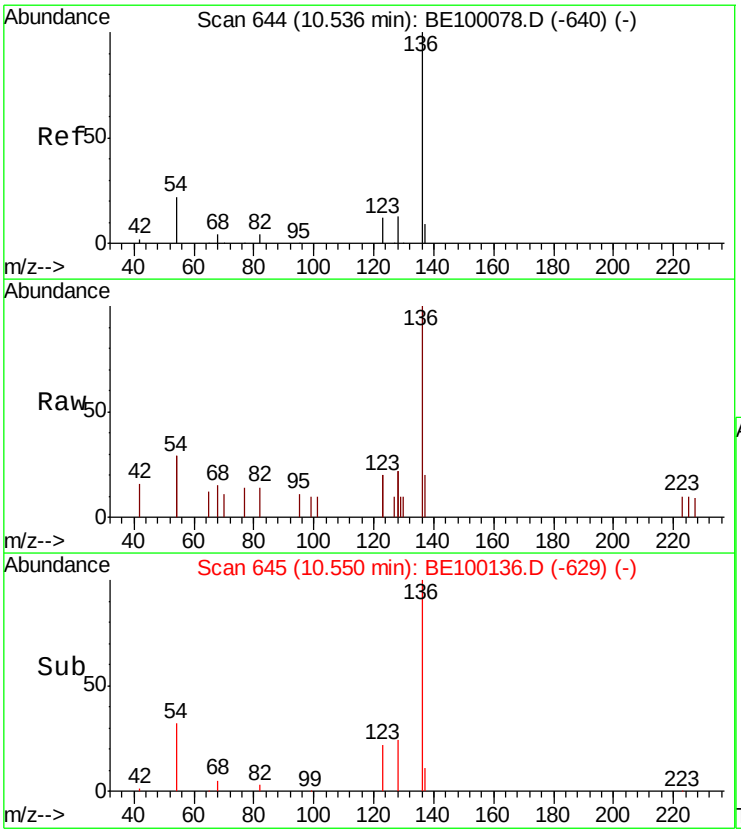

#6
bis(2-Chloroethyl)ether
Concen: 0.038 ng
RT: 7.22 min Scan# 378
Delta R.T. 0.02 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion: 93 Resp: 6

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 983.3 | 200.0 | 300.0# |
| 95 | 0.0 | 24.0 | 36.0# |

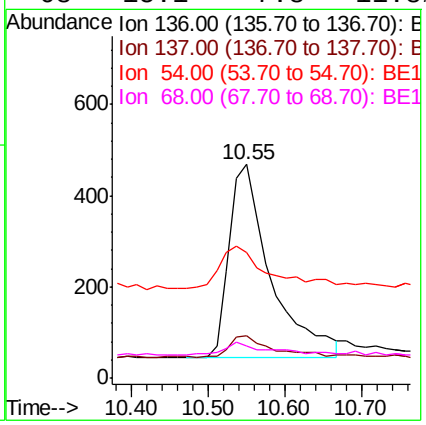


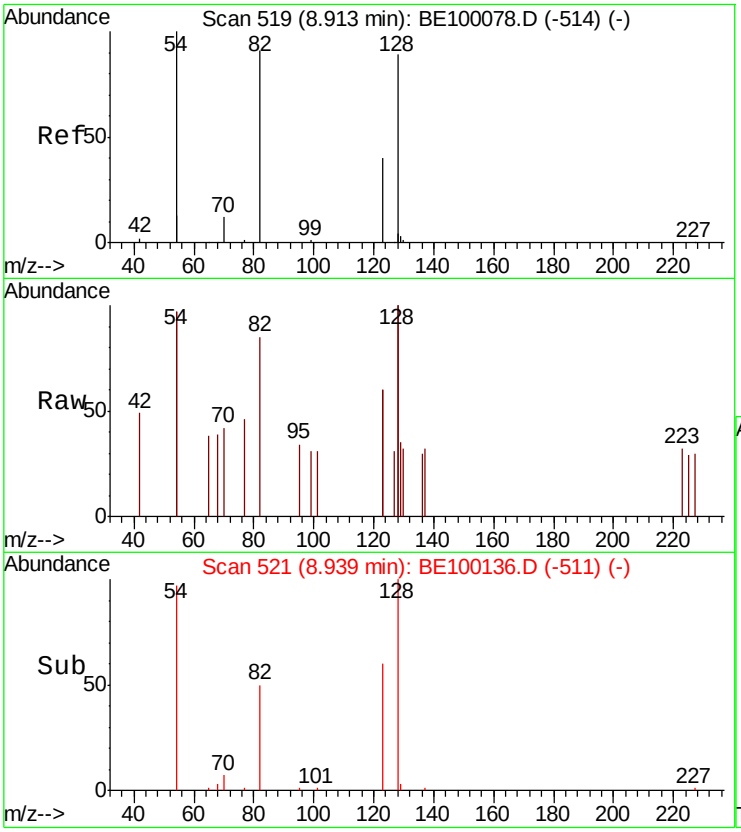




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.55 min Scan# 645
Delta R.T. 0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:136 Resp: 1597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 19.6 | 11.6 | 17.4# |
| 54 | 58.4 | 33.9 | 50.9# |
| 68 | 15.1 | 7.8 | 11.8# |



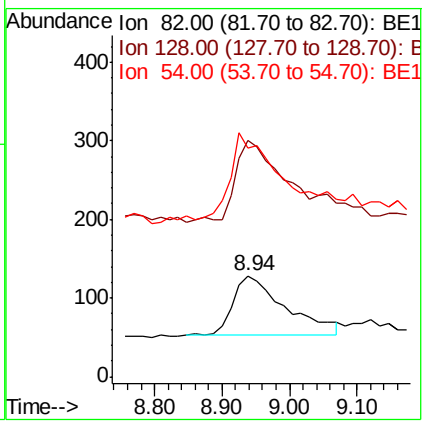


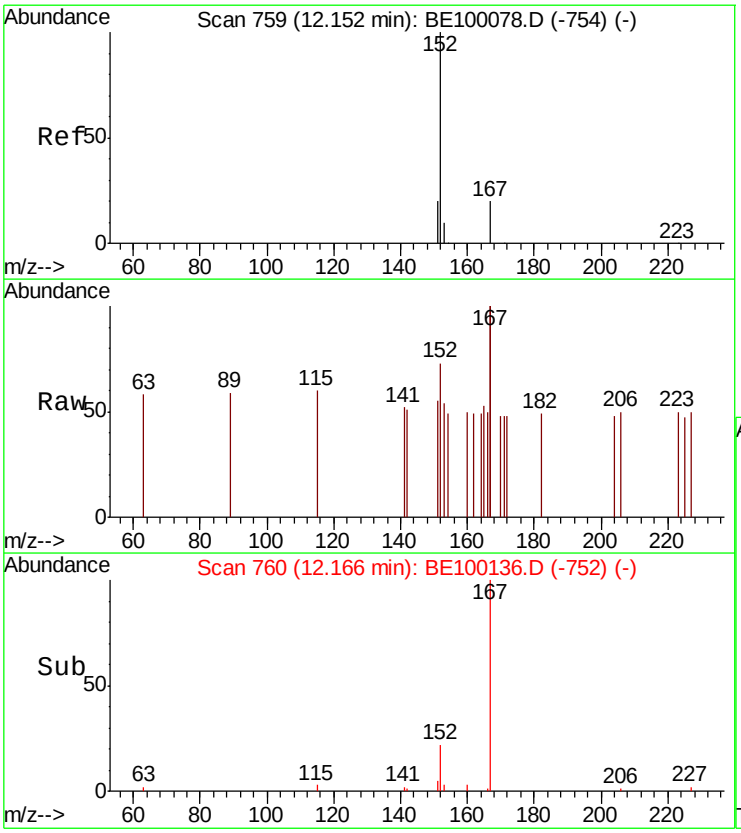

#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.94 min Scan# 521
Delta R.T. 0.03 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion: 82 Resp: 404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 234.4 | 128.0 | 192.0# |
| 54 | 226.6 | 143.4 | 215.0# |

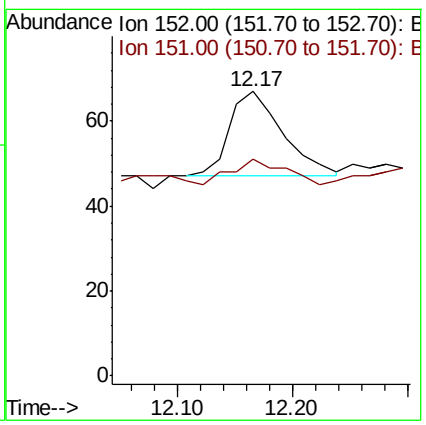


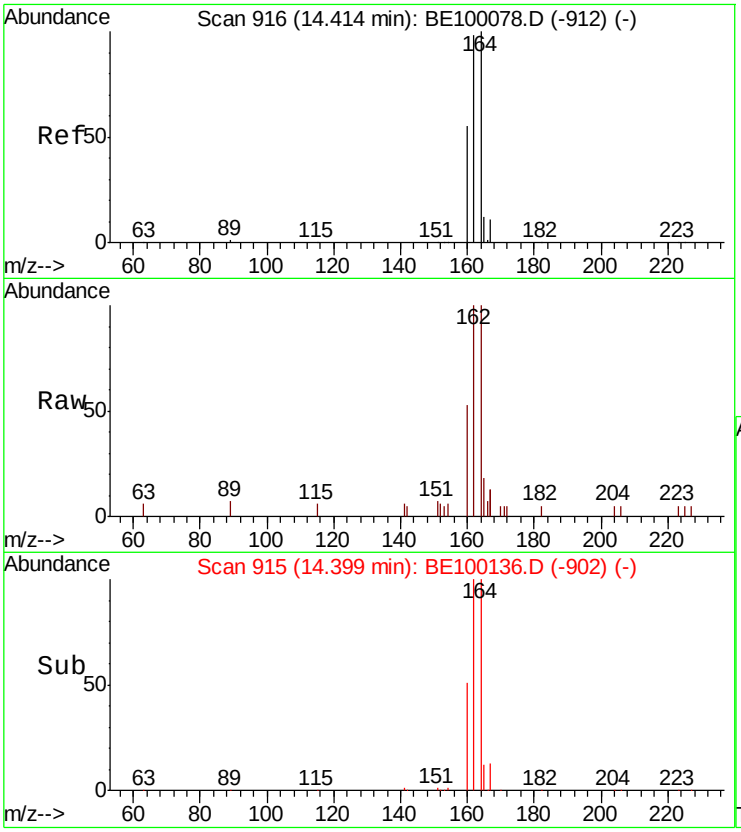




#11
2-Methylnaphthalene-d10
Concen: 0.021 ng
RT: 12.17 min Scan# 760
Delta R.T. 0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:152 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 29.2 | 16.3 | 24.5# |



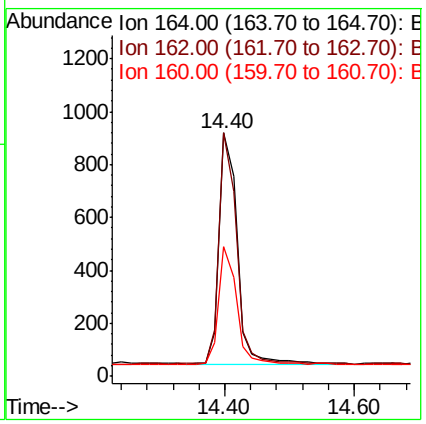


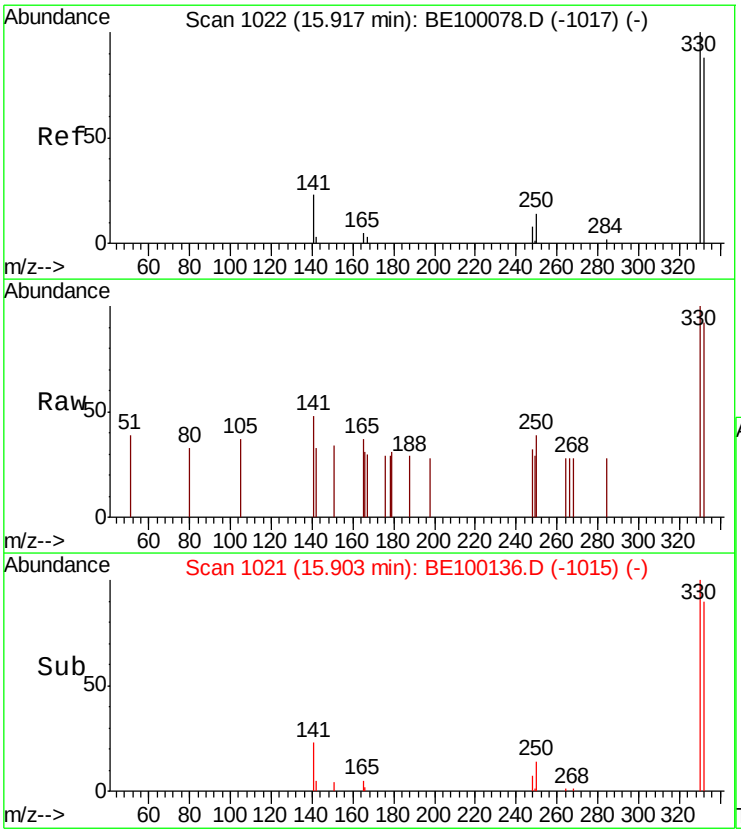

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:164 Resp: 1683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 78.2 | 117.2 |
| 160 | 53.5 | 45.6 | 68.4 |

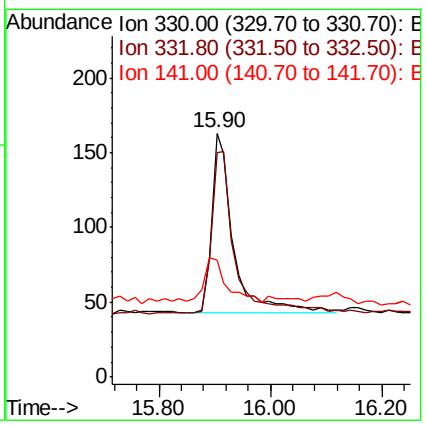


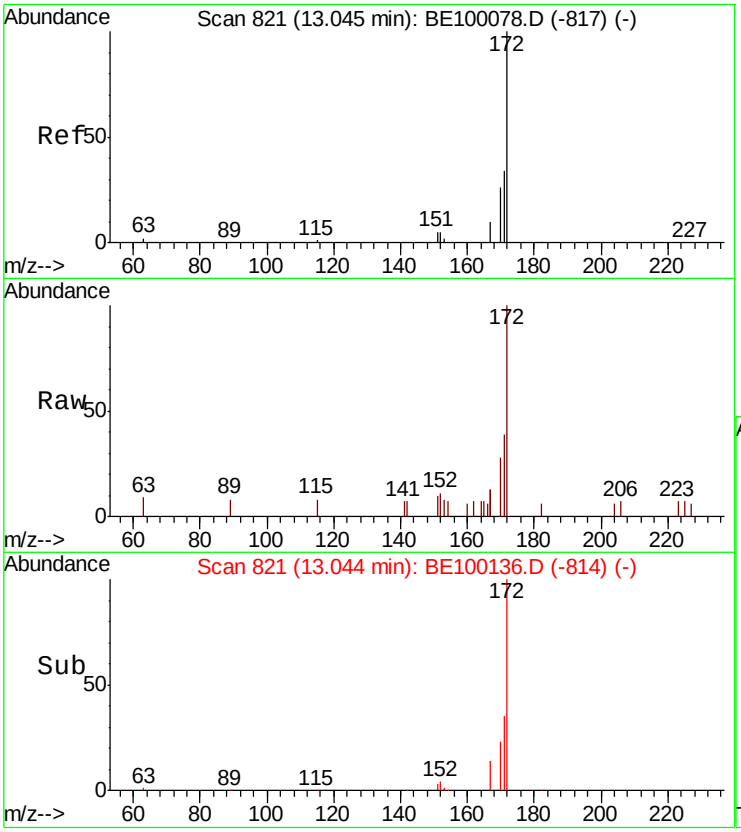




#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:330 Resp: 329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 73.3 | 109.9# |
| 141 | 25.2 | 22.2 | 33.2 |



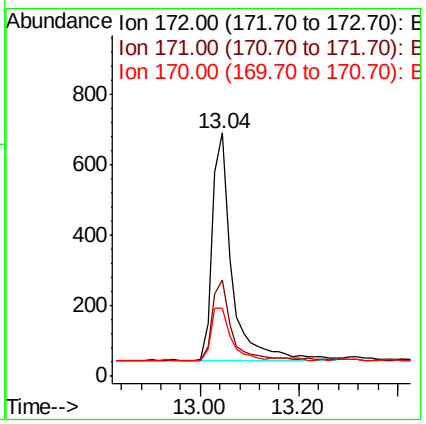


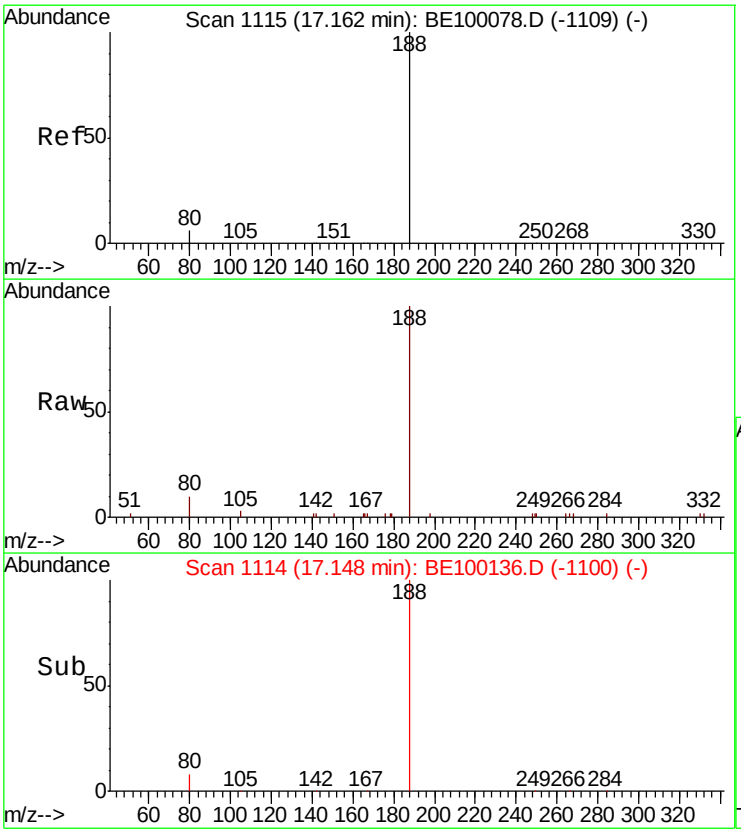

#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 13.04 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:172 Resp: 1776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.4 | 29.8 | 44.8 |
| 170 | 28.0 | 23.2 | 34.8 |

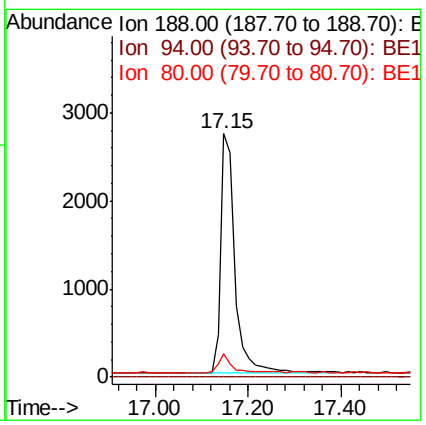


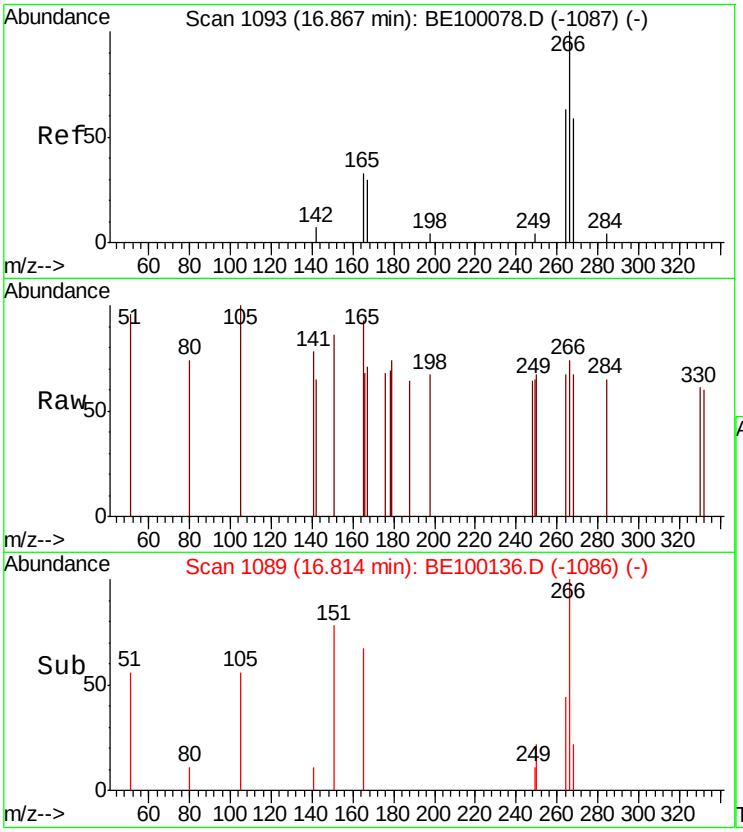




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:188 Resp: 5930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 9.8 | 6.3 | 9.5# |



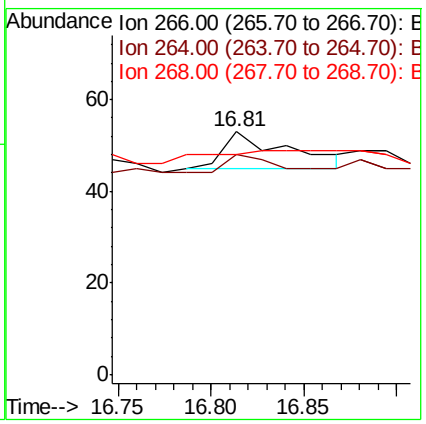


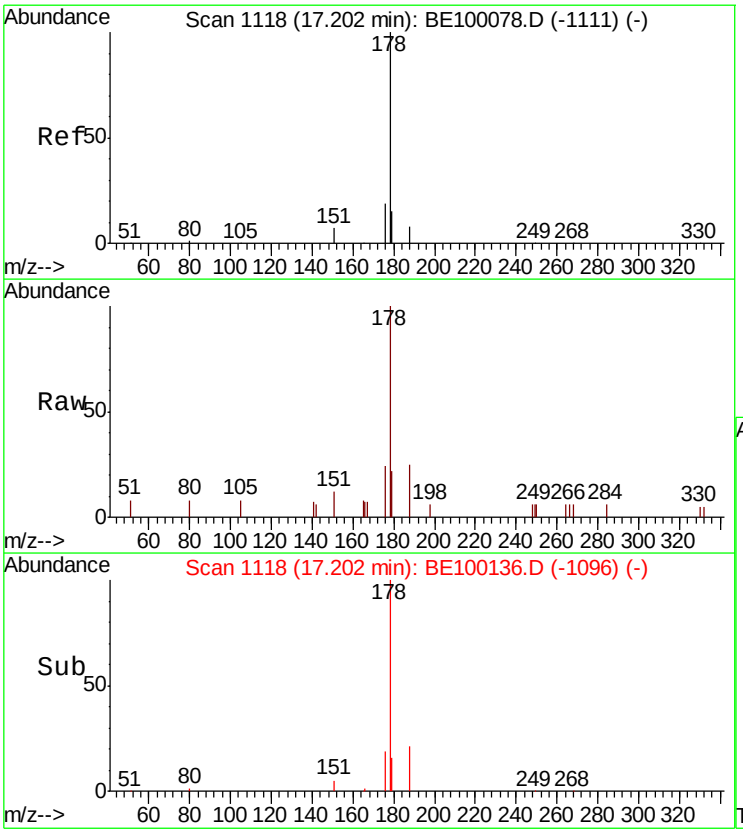

#22
Pentachlorophenol
Concen: 0.257 ng
RT: 16.81 min Scan# 1089
Delta R.T. -0.05 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:266 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 90.6 | 67.8 | 101.6 |
| 268 | 90.6 | 70.0 | 105.0 |

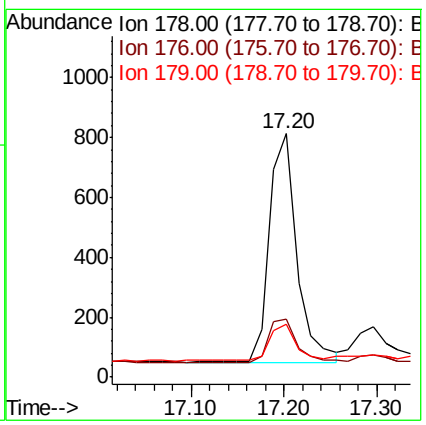


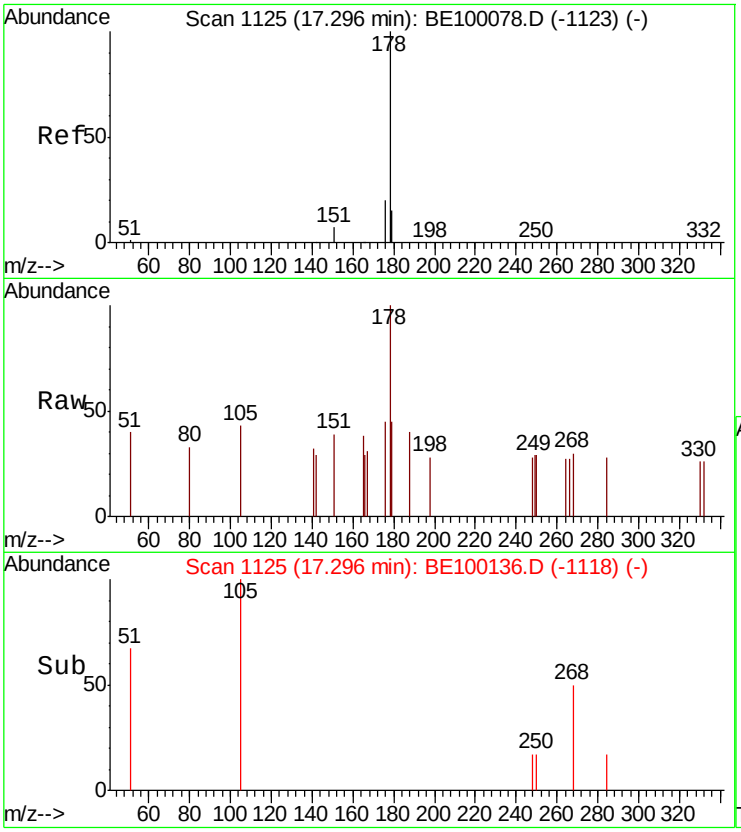




#23
Phenanthrene
Concen: 0.111 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:178 Resp: 1573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.0 | 15.9 | 23.9 |
| 179 | 14.9 | 13.1 | 19.7 |



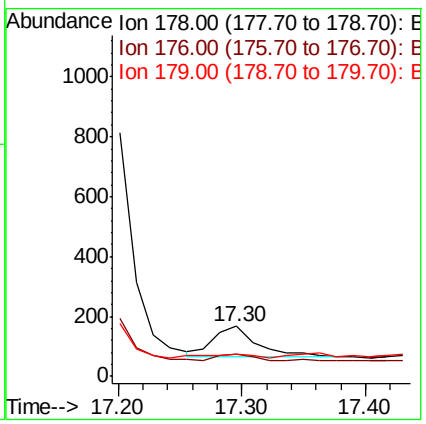


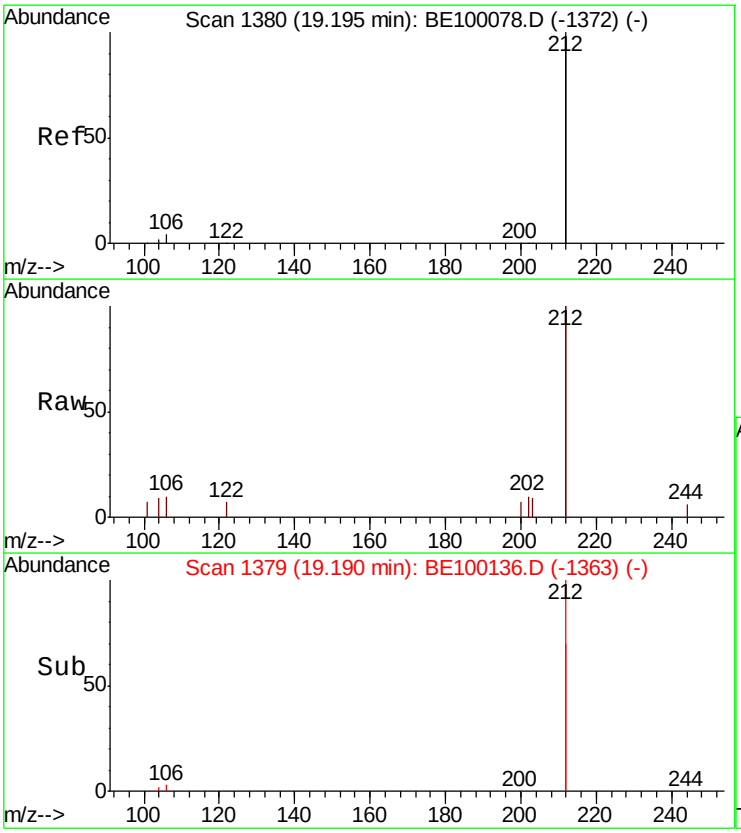

#24
Anthracene
Concen: 0.022 ng
RT: 17.30 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:178 Resp: 260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.7 | 15.8 | 23.6 |
| 179 | 12.7 | 12.0 | 18.0 |

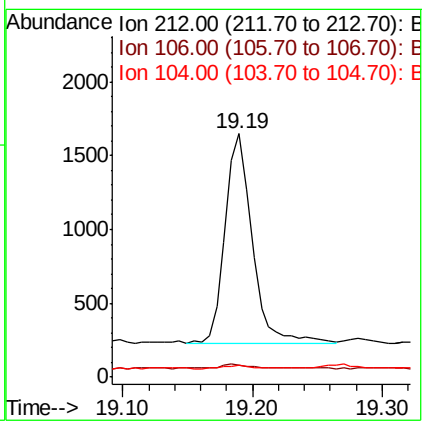


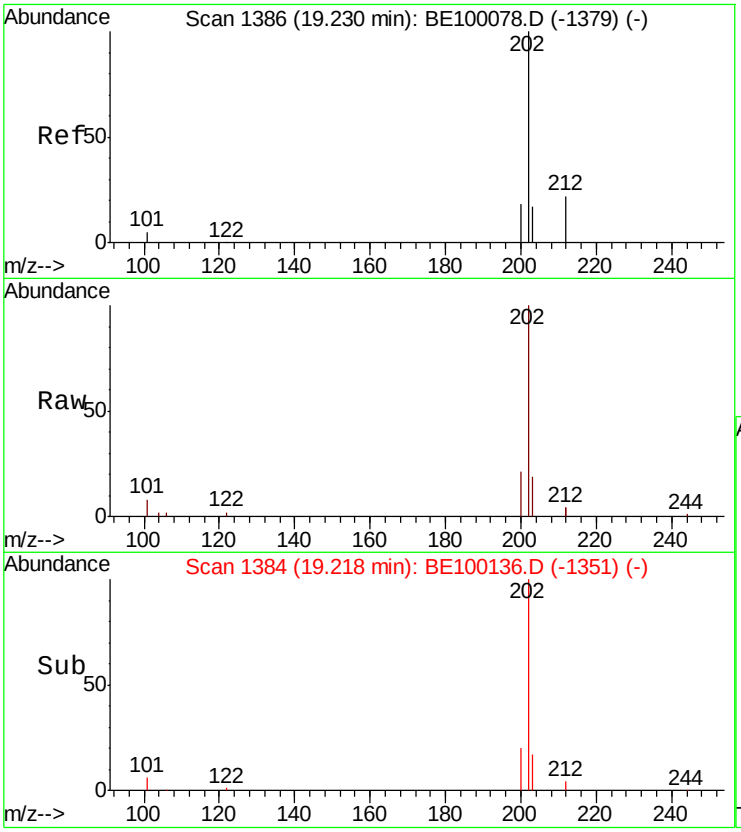




#25
Fluoranthene-d10
Concen: 0.024 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:212 Resp: 2040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 2.8 | 1.4 | 2.0# |
| 104 | 1.7 | 0.8 | 1.2# |



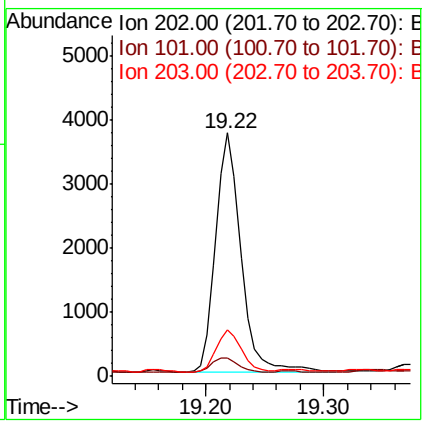


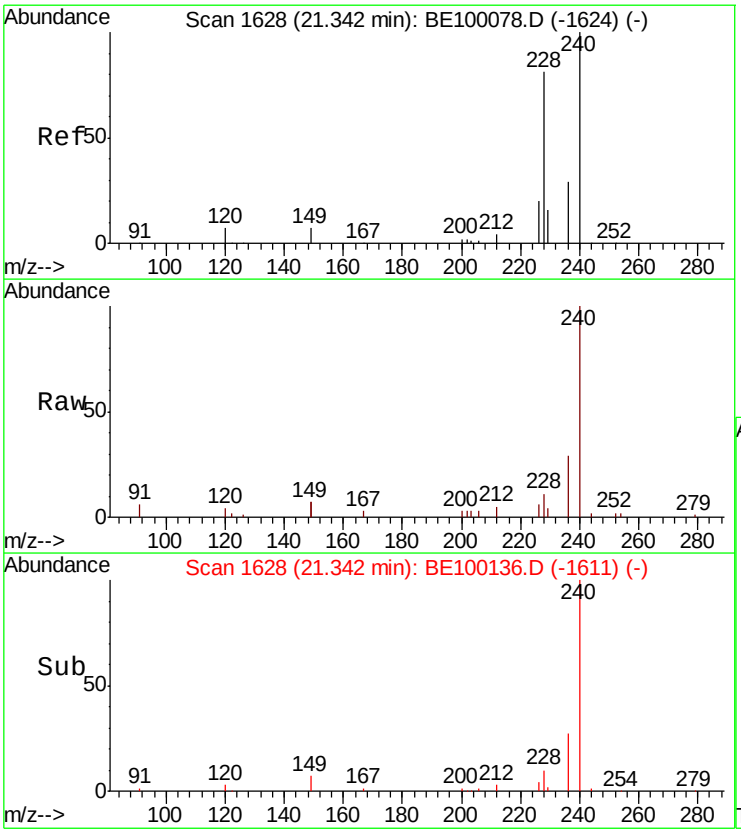

#26
Fluoranthene
Concen: 0.246 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:202 Resp: 5615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.4 | 5.0 | 7.4 |
| 203 | 17.0 | 13.7 | 20.5 |

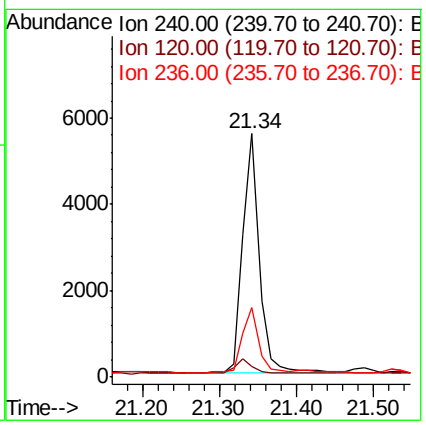


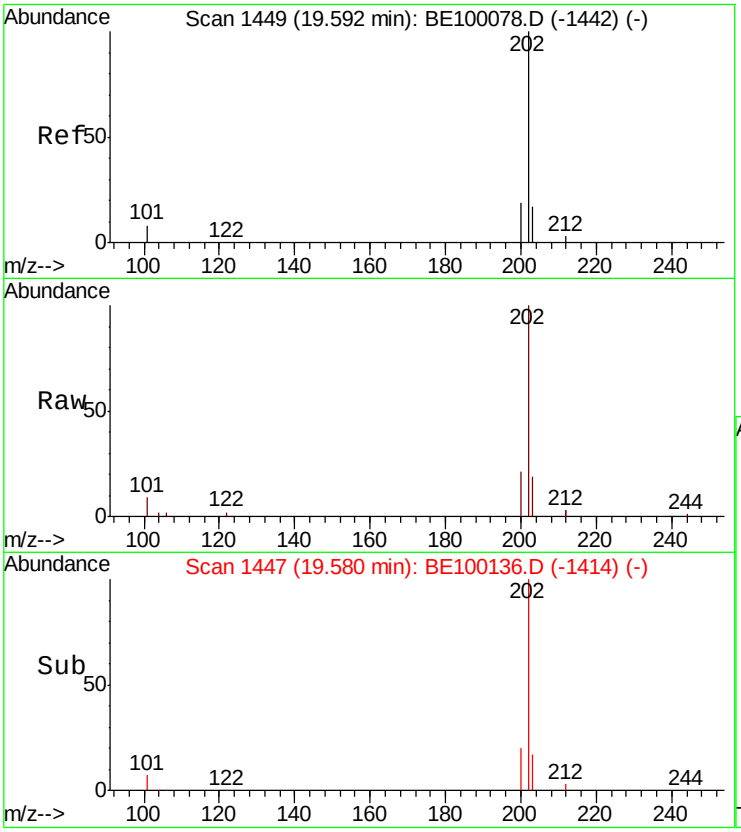




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:240 Resp: 8303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.2 | 6.6 | 10.0# |
| 236 | 28.8 | 23.8 | 35.6 |



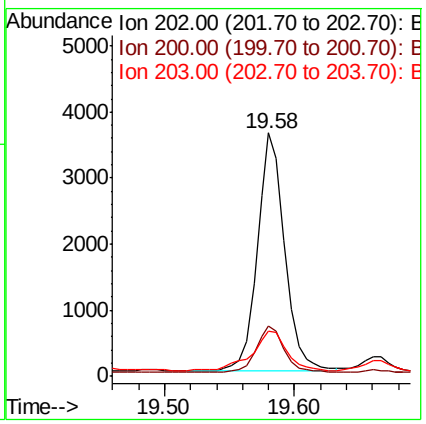


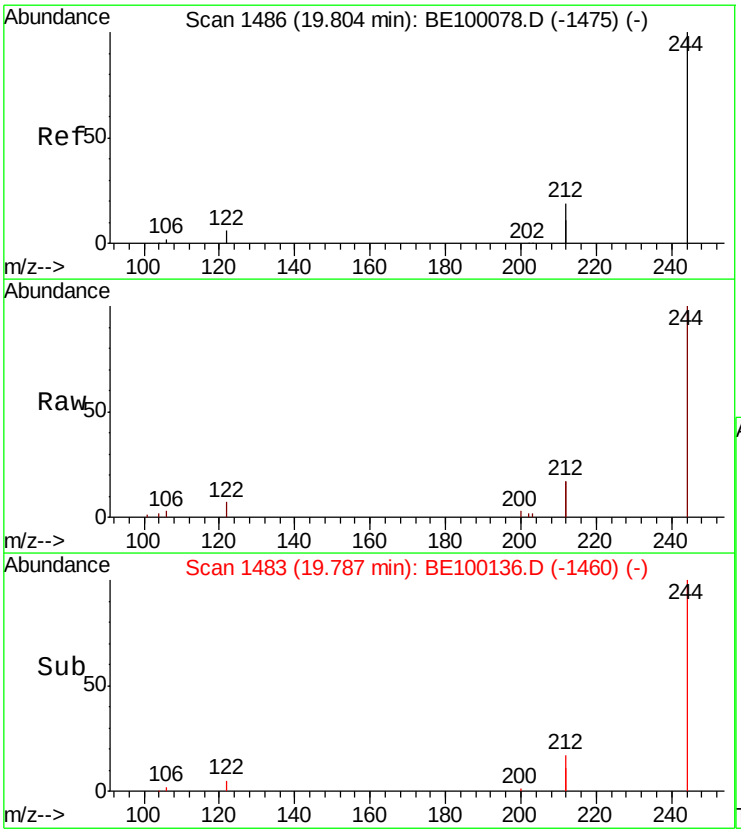

#28
Pyrene
Concen: 0.246 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:202 Resp: 5254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.4 | 15.6 | 23.4 |
| 203 | 20.6 | 13.9 | 20.9 |

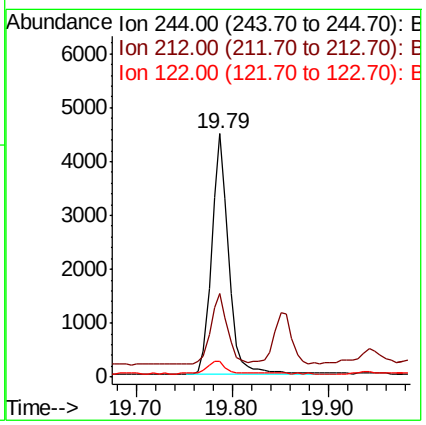


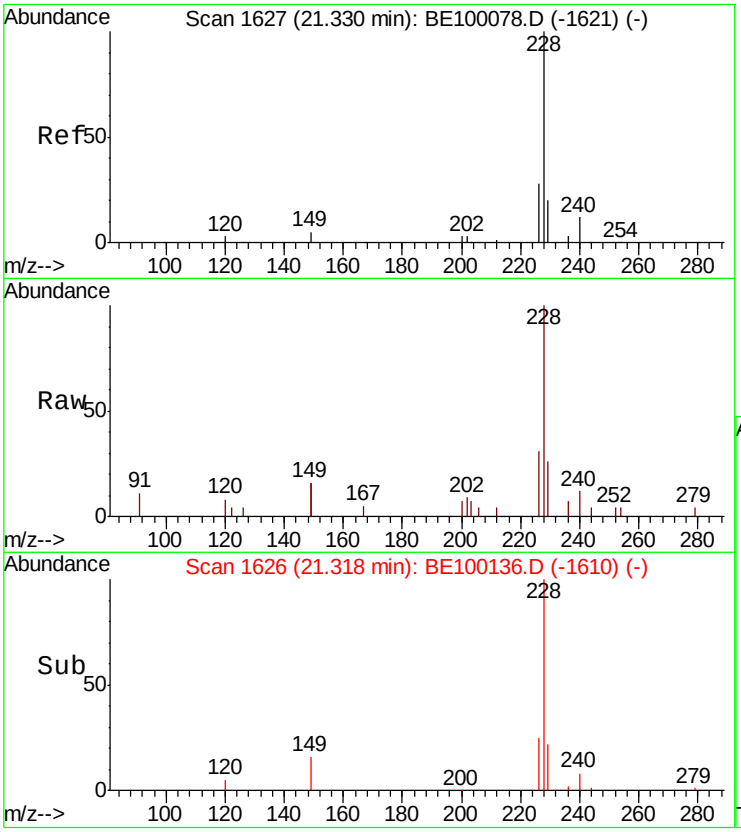




#29
Terphenyl-d14
Concen: 0.335 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:244 Resp: 5555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 34.1 | 29.8 | 44.8 |
| 122 | 6.6 | 6.1 | 9.1 |



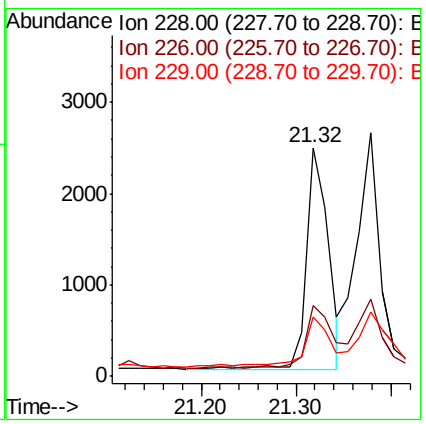


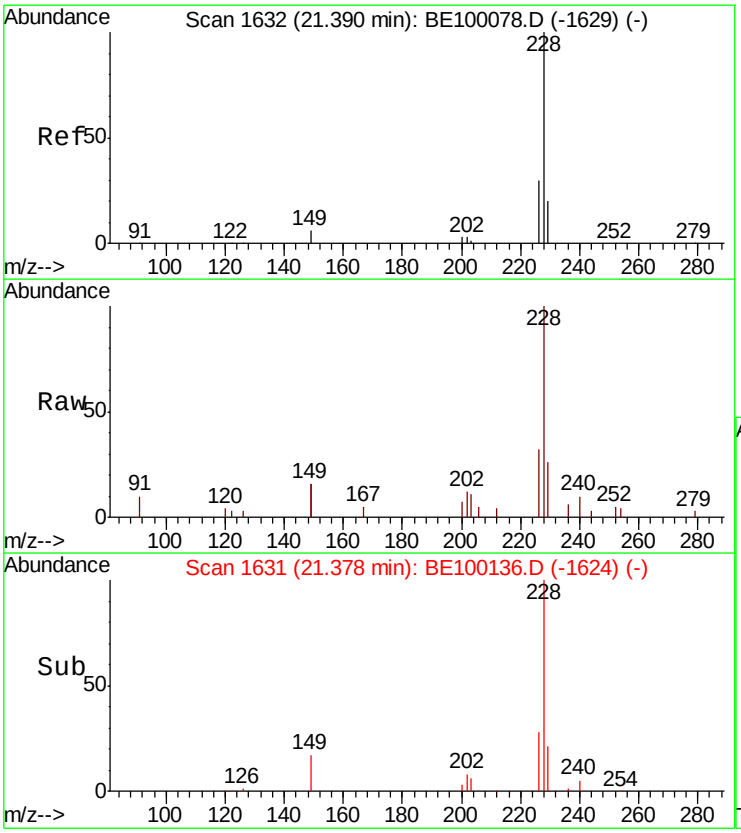

#30
Benzo(a)anthracene
Concen: 0.156 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:228 Resp: 3865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 23.0 | 34.4 |
| 229 | 26.2 | 16.4 | 24.6# |

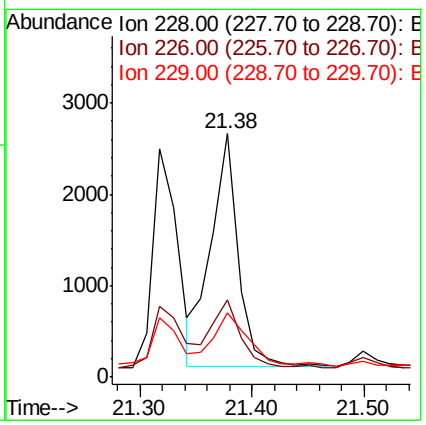


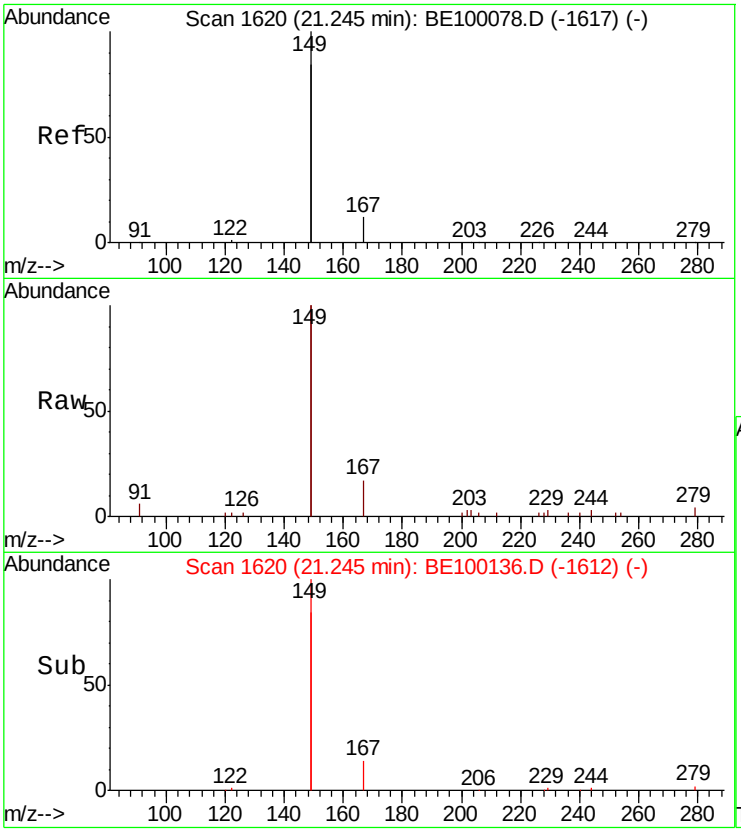




#31
Chrysene
Concen: 0.150 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:228 Resp: 4291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.5 | 23.8 | 35.8 |
| 229 | 26.2 | 16.3 | 24.5# |



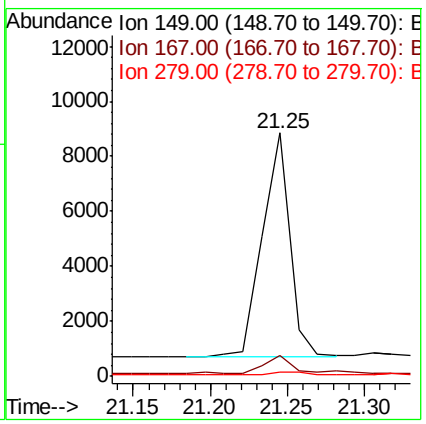


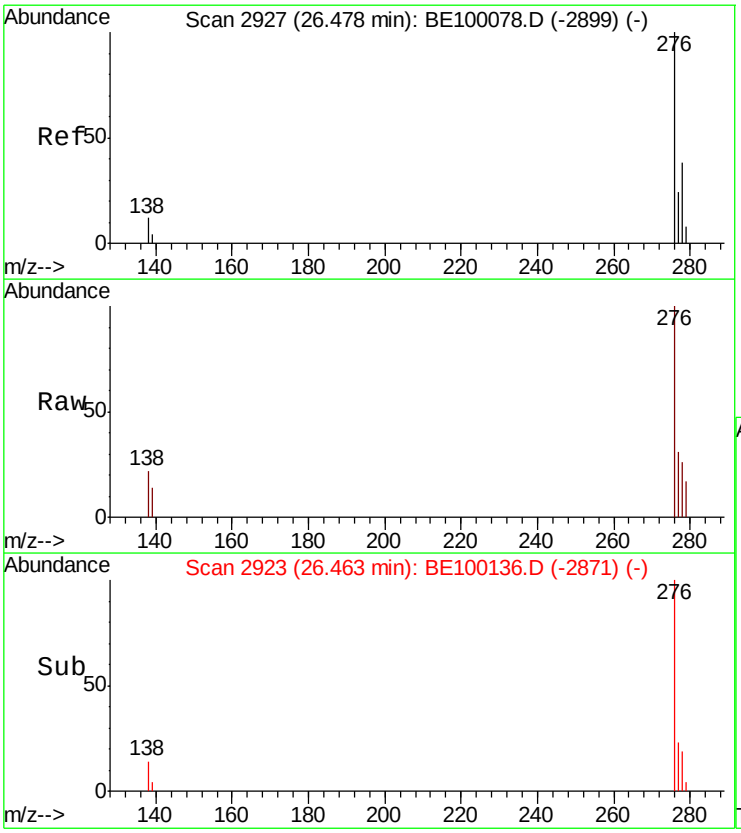

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.437 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:149 Resp: 10187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 8.7 | 5.8 | 8.6# |
| 279 | 1.4 | 1.1 | 1.7 |

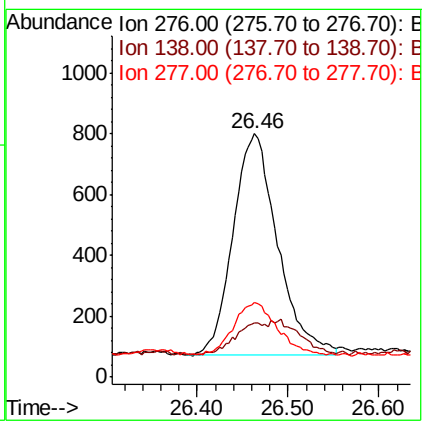


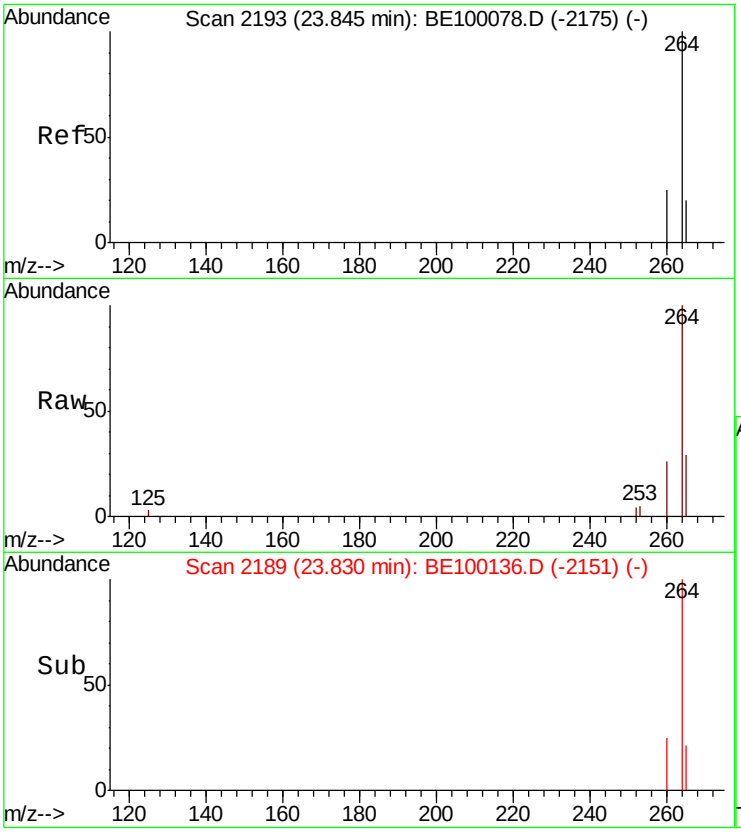




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.077 ng
RT: 26.46 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:276 Resp: 2471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 8.5 | 4.3 | 6.5# |
| 277 | 22.7 | 19.4 | 29.0 |



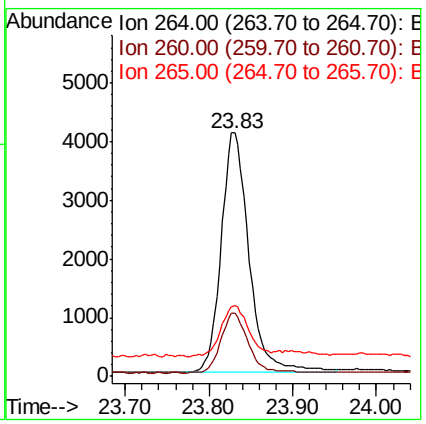


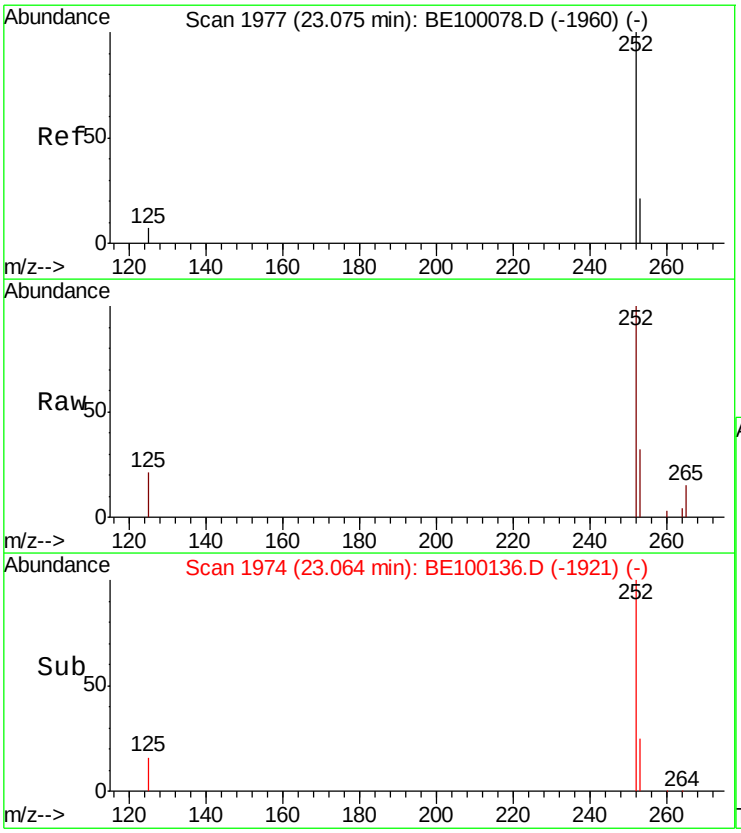

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:264 Resp: 9432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.0 | 20.8 | 31.2 |
| 265 | 29.2 | 23.2 | 34.8 |

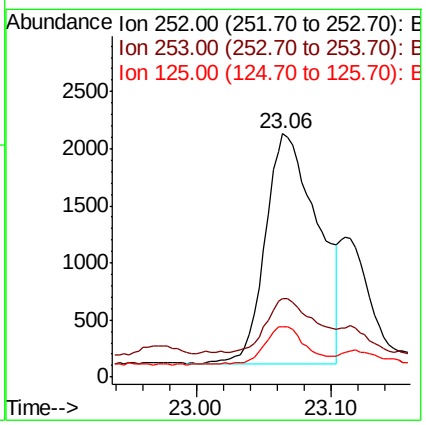


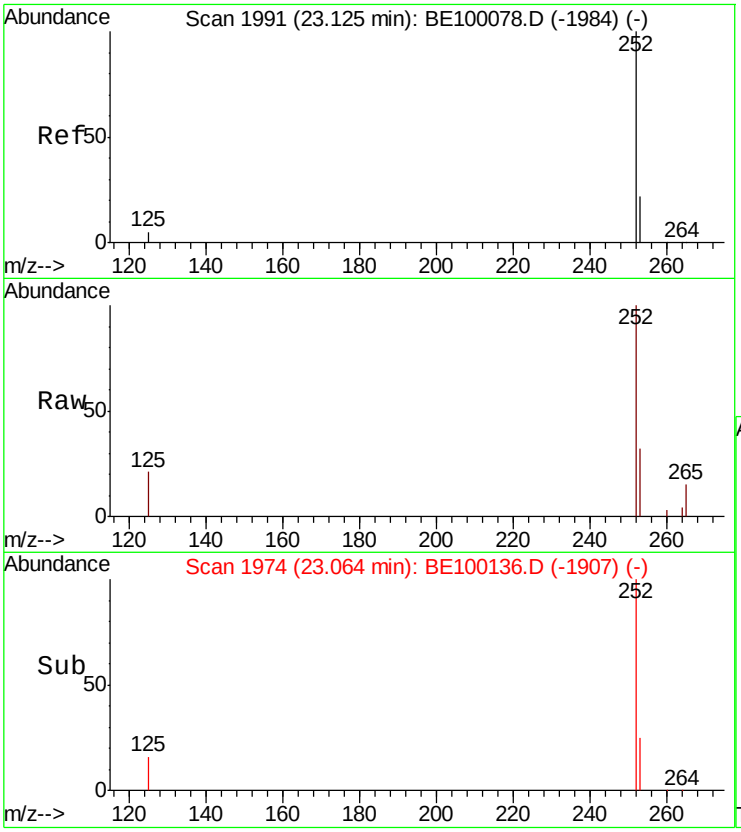




#35
Benzo(b)fluoranthene
Concen: 0.196 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:252 Resp: 5436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.3 | 18.4 | 27.6# |
| 125 | 20.7 | 6.4 | 9.6# |



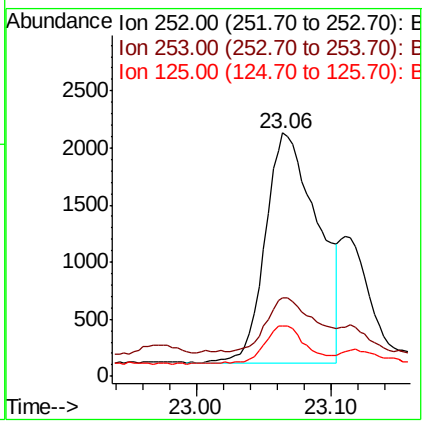


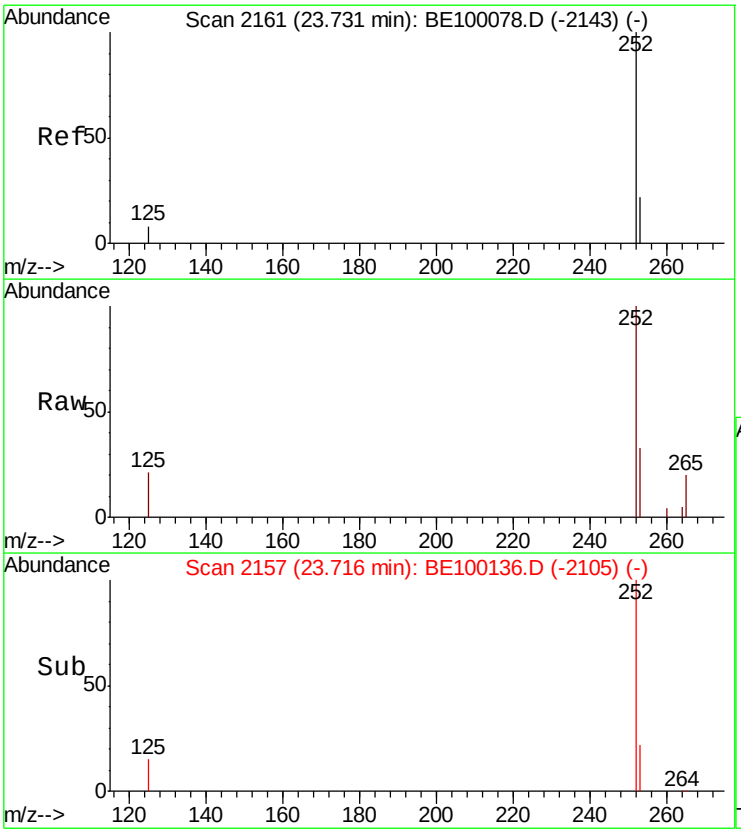

#36
Benzo(k)fluoranthene
Concen: 0.173 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.06 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:252 Resp: 5436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.3 | 18.9 | 28.3# |
| 125 | 20.7 | 5.3 | 7.9# |

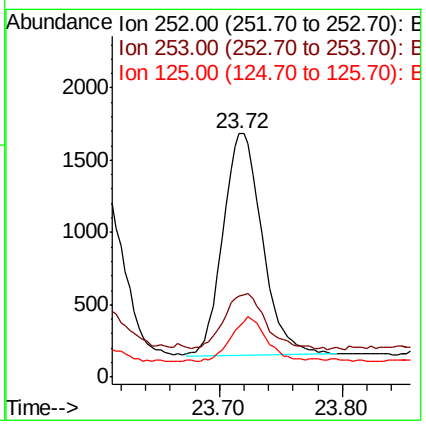


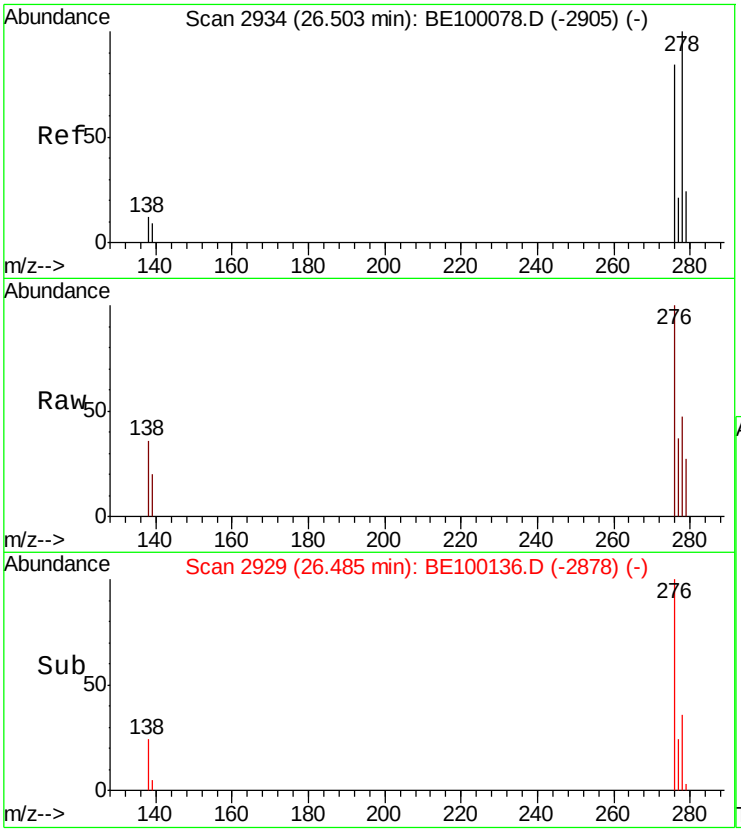




#37
Benzo(a)pyrene
Concen: 0.128 ng
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:252 Resp: 3428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.3 | 19.4 | 29.2# |
| 125 | 20.8 | 8.0 | 12.0# |



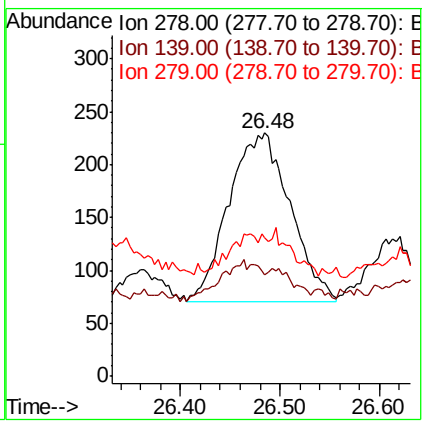


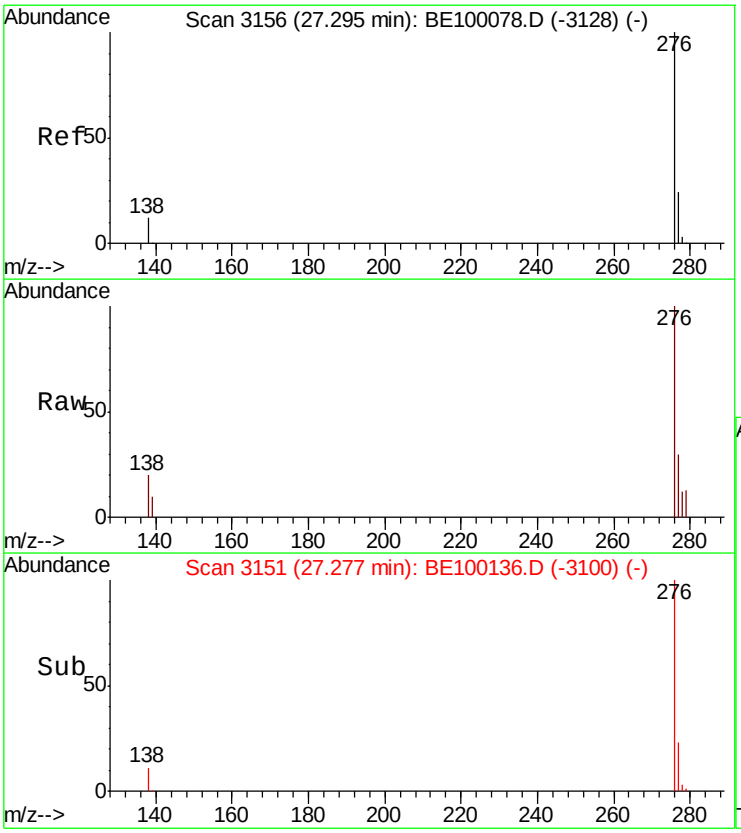

#38
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 26.48 min Scan# 2929
Delta R.T. -0.02 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

**Instrument :**
BNA_E
**ClientSampleId :**
PST-084-B046-061319

Tgt Ion:278 Resp: 679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 41.7 | 9.0 | 13.6# |
| 279 | 57.0 | 21.4 | 32.0# |




#39
Benzo(g,h,i)perylene
Concen: 0.090 ng
RT: 27.28 min Scan# 3151
Delta R.T. -0.02 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion:276 Resp: 2547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 29.6 | 20.3 | 30.5 |
| 138 | 20.2 | 11.3 | 16.9# |