Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
Data File : BE099135.D
Acq On : 24 Mar 2019 6:14
Operator : JU/SJ
Sample : K2014-01MSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PST-026-SW075-031819MSD

Quant Time: Mar 24 23:02:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 04:40:11 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 4099 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.63 | 136 | 16386 | 0.40 | ng | | -0.01 |
| 13) Acenaphthene-d10 | 14.49 | 164 | 9765 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.22 | 188 | 25422 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.39 | 240 | 38844 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.89 | 264 | 42395 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.41 | 112 | 4710 | 0.39 | ng | | 0.00 |
| 5) Phenol-d6 | 6.99 | 99 | 6725 | 0.38 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.99 | 82 | 5056 | 0.71 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 14311 | 0.48 | ng | | -0.02 |
| 14) 2,4,6-Tribromophenol | 15.96 | 330 | 1749 | 0.61 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.10 | 172 | 13823 | 0.36 | ng | | -0.02 |
| 25) Fluoranthene-d10 | 19.24 | 212 | 128083 | 0.38 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.83 | 244 | 22494 | 0.27 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 1636 | 0.257 | ng | # | 55 |
| 3) n-Nitrosodimethylamine | 3.66 | 42 | 1315 | 0.401 | ng | # | 94 |
| 6) bis(2-Chloroethyl)ether | 7.26 | 93 | 5312 | 0.372 | ng | | 83 |
| 9) Naphthalene | 10.68 | 128 | 69156 | 0.358 | ng | | 99 |
| 10) Hexachlorobutadiene | 10.97 | 225 | 3303 | 0.350 | ng | | 99 |
| 12) 2-Methylnaphthalene | 12.30 | 142 | 11625 | 0.351 | ng | | 95 |
| 16) Acenaphthylene | 14.20 | 152 | 21843 | 0.419 | ng | | 97 |
| 17) Acenaphthene | 14.54 | 154 | 10980 | 0.355 | ng | | 97 |
| 18) Fluorene | 15.52 | 166 | 15384 | 0.341 | ng | | 97 |
| 20) 4-Bromophenyl-phenylether | 16.41 | 248 | 4908 | 0.349 | ng | # | 60 |
| 21) Hexachlorobenzene | 16.52 | 284 | 4639 | 0.355 | ng | | 94 |
| 22) Pentachlorophenol | 16.85 | 266 | 5651 | 1.307 | ng | # | 76 |
| 23) Phenanthrene | 17.26 | 178 | 54183 | 0.718 | ng | | 99 |
| 24) Anthracene | 17.35 | 178 | 27740 | 0.388 | ng | | 100 |
| 26) Fluoranthene | 19.27 | 202 | 91199 | 0.859 | ng | | 99 |
| 28) Pyrene | 19.63 | 202 | 112127 | 0.851 | ng | | 97 |
| 30) Benzo(a)anthracene | 21.36 | 228 | 81995 | 0.599 | ng | | 99 |
| 31) Chrysene | 21.43 | 228 | 83894 | 0.613 | ng | | 98 |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 99062 | 0.558 | ng | | 98 |
| 33) Indeno(1,2,3-cd)pyrene | 26.55 | 276 | 71568 | 0.487 | ng | | 99 |
| 35) Benzo(b)fluoranthene | 23.12 | 252 | 84300 | 0.575 | ng | | 98 |
| 36) Benzo(k)fluoranthene | 23.12 | 252 | 84300 | 0.587 | ng | | 100 |
| 37) Benzo(a)pyrene | 23.78 | 252 | 76327 | 0.563 | ng | | 96 |
| 38) Dibenzo(a,h)anthracene | 26.58 | 278 | 47381 | 0.359 | ng | | 98 |
| 39) Benzo(g,h,i)perylene | 27.37 | 276 | 67948 | 0.502 | ng | | 98 |

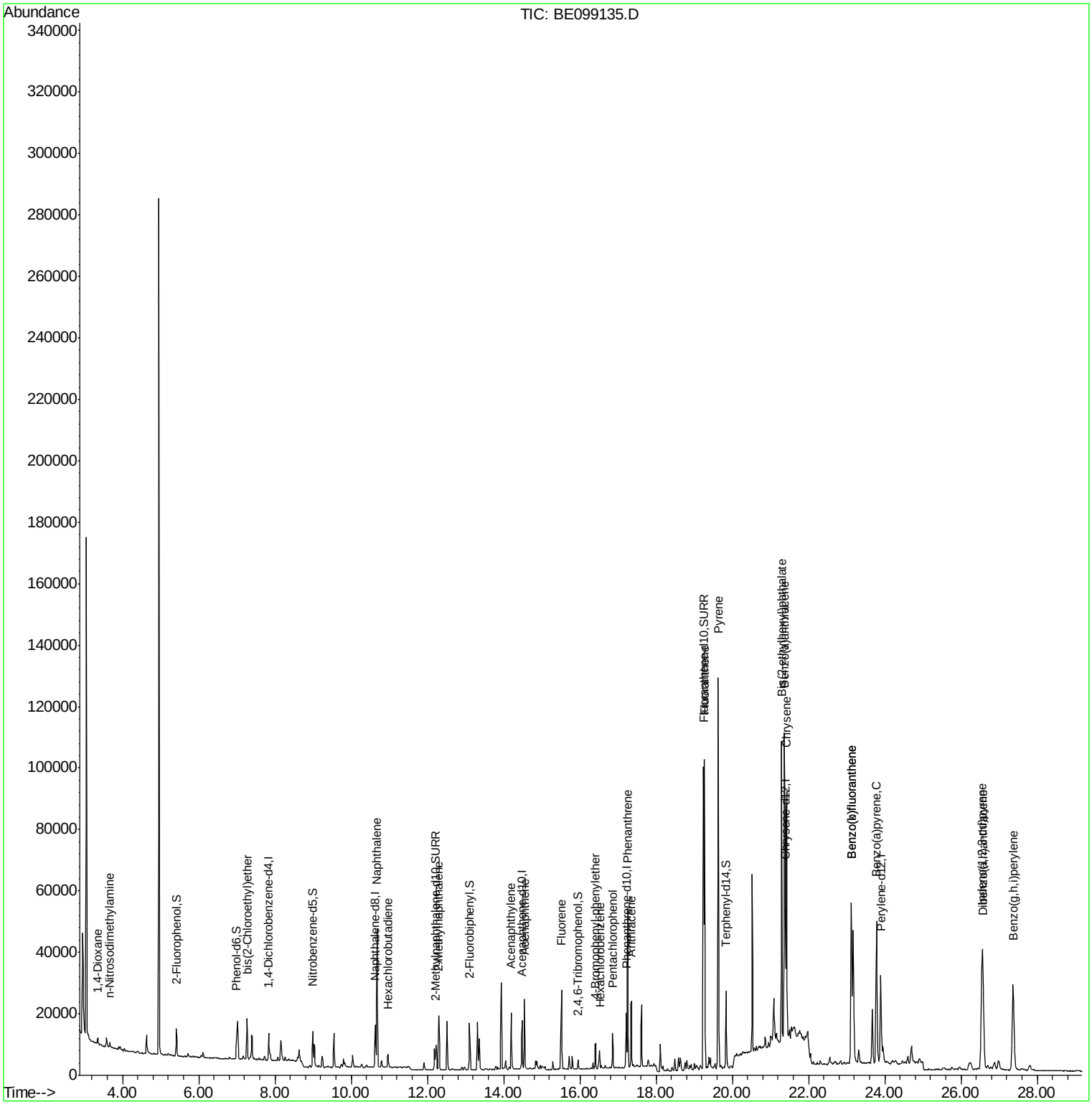
(#) = qualifier out of range (m) = manual integration (+) = signals summed

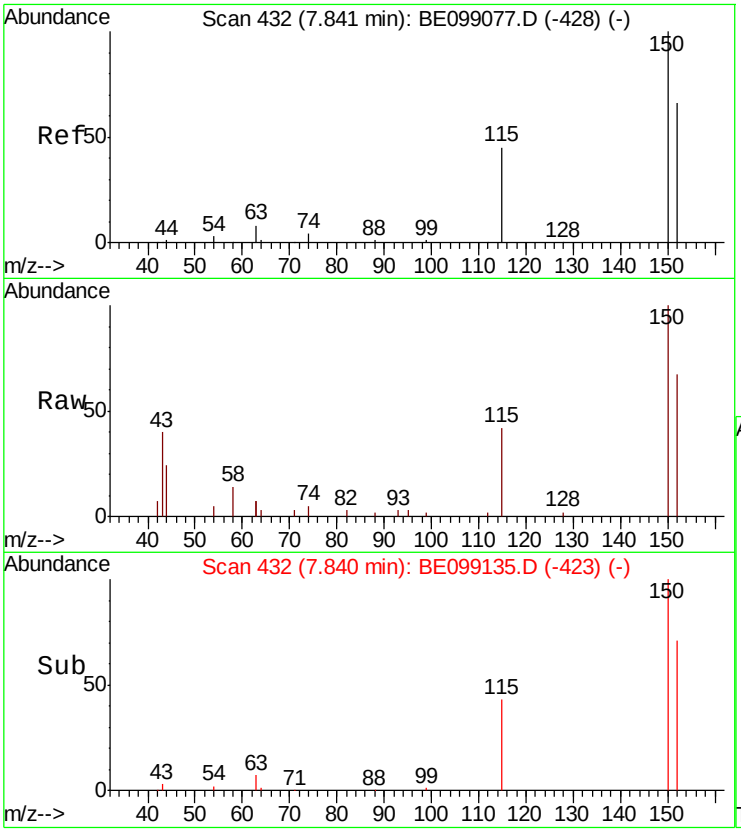
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
Data File : BE099135.D
Acq On : 24 Mar 2019 6:14
Operator : JU/SJ
Sample : K2014-01MSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Quant Time: Mar 24 23:02:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 04:40:11 2019
Response via : Initial Calibration



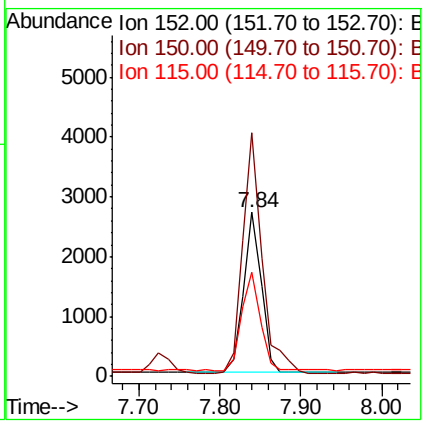


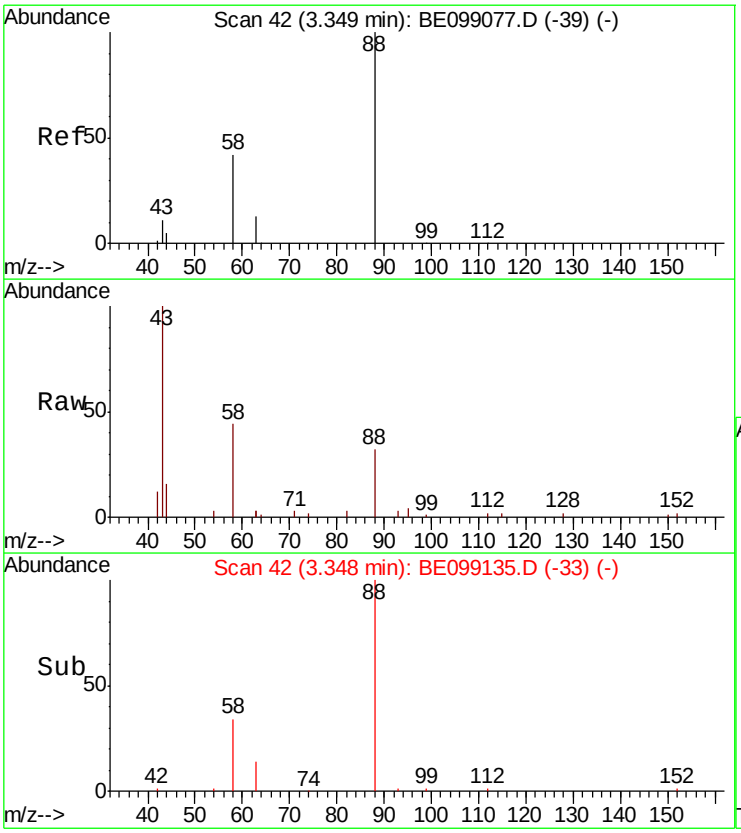

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:152 Resp: 4099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.7 | 122.5 | 183.7 |
| 115 | 63.2 | 57.4 | 86.2 |

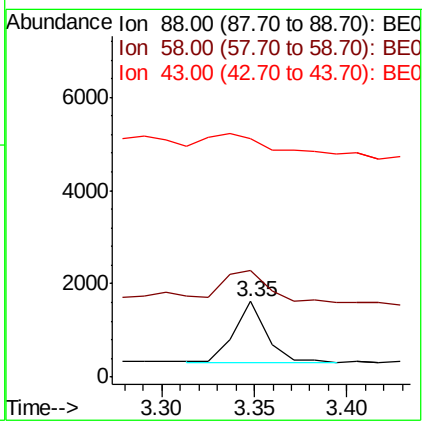


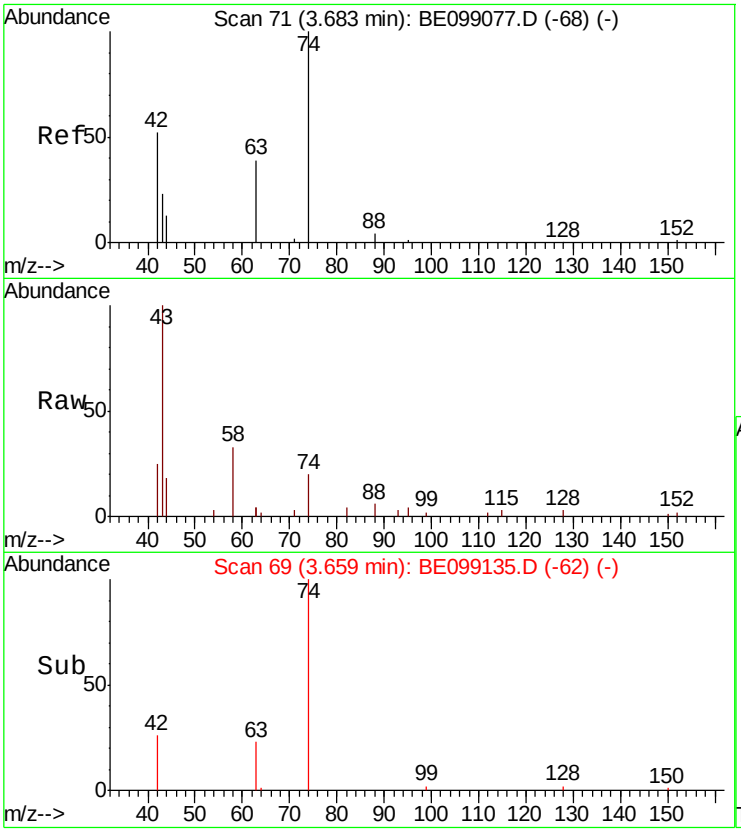




#2
1,4-Dioxane
Concen: 0.257 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion: 88 Resp: 1636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 97.6 | 52.0 | 78.0# |
| 43 | 58.6 | 24.0 | 36.0# |



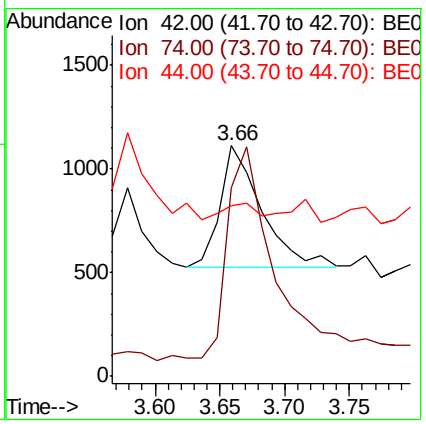


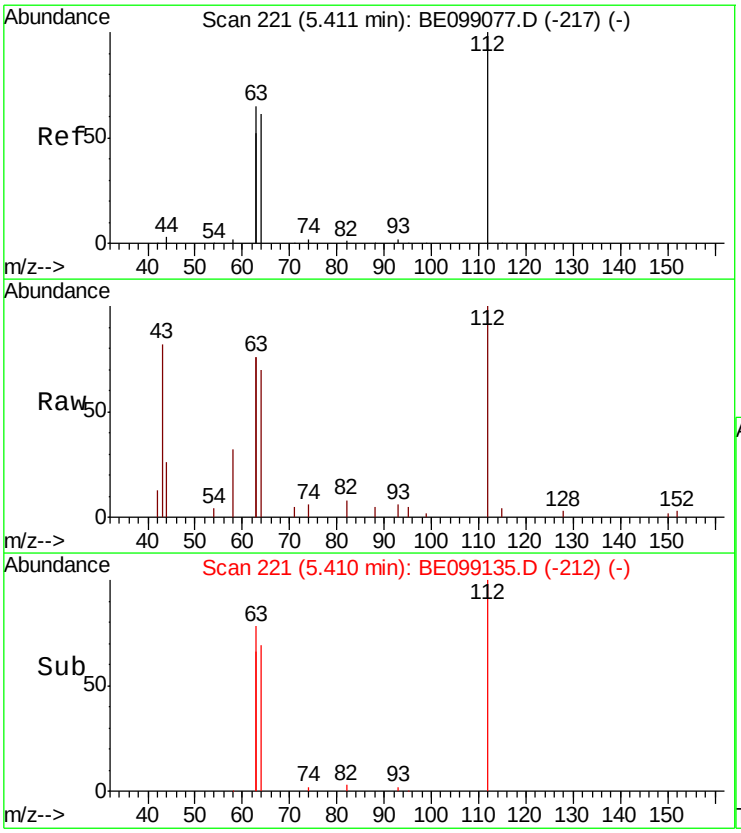

#3
n-Nitrosodimethylamine
Concen: 0.401 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion: 42 Resp: 1315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 190.2 | 160.0 | 240.0 |
| 44 | 11.1 | 0.0 | 0.0# |

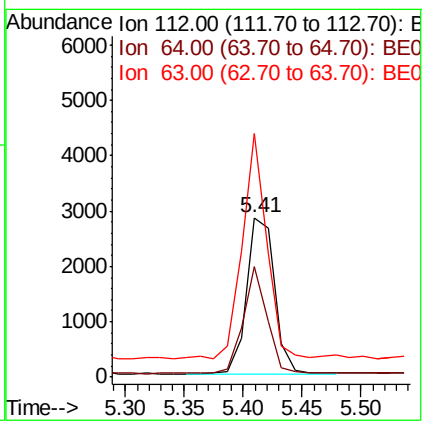


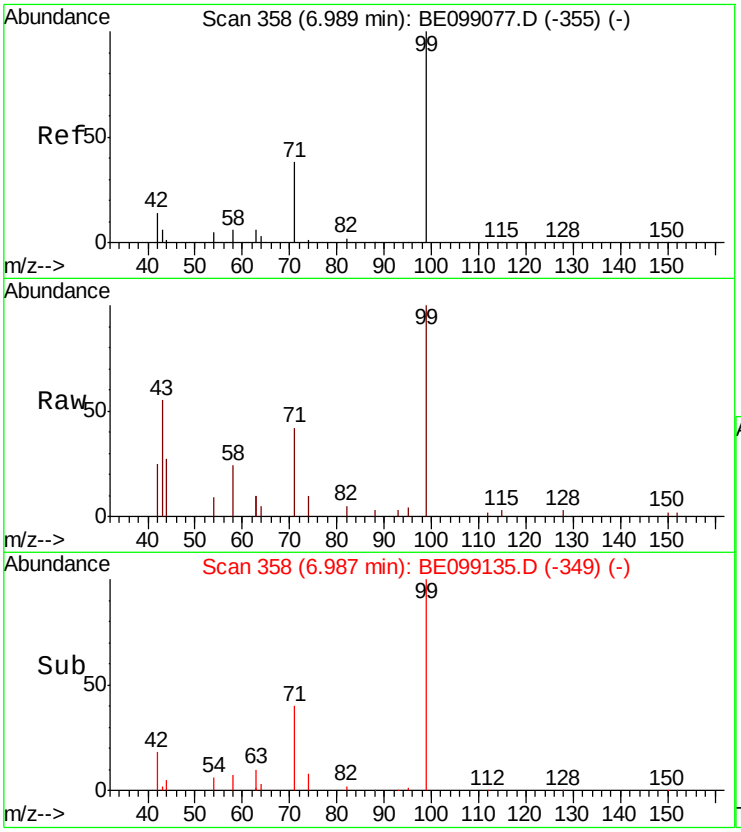




#4
2-Fluorophenol
Concen: 0.386 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:112 Resp: 4710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.6 | 57.9 | 86.9 |
| 63 | 124.3 | 158.3 | 237.5# |



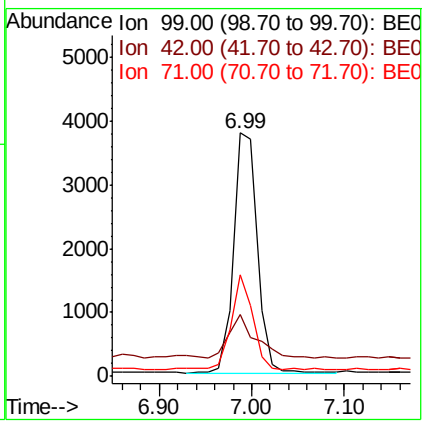


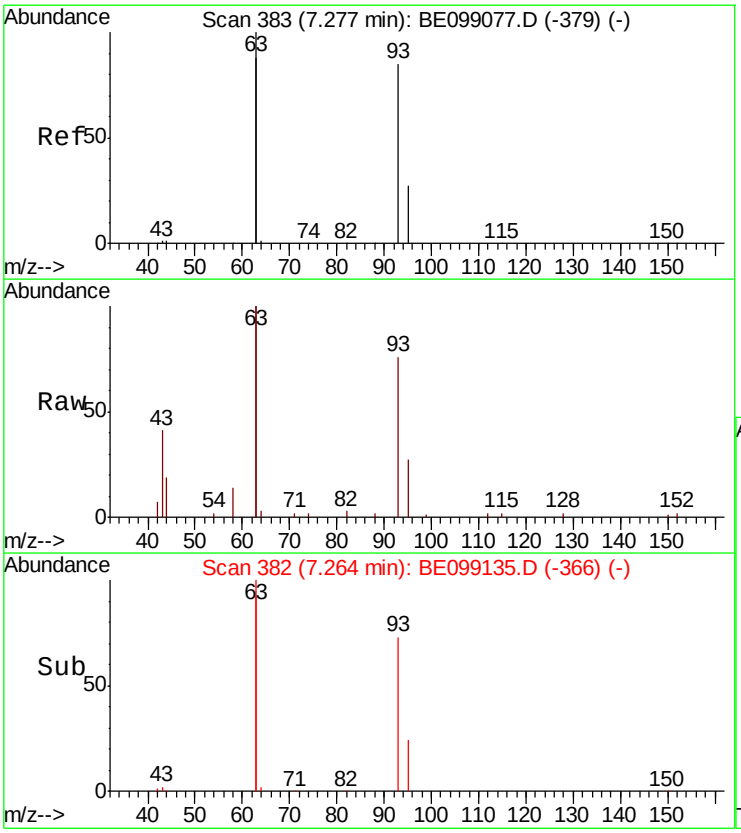

#5
Phenol-d6
Concen: 0.383 ng
RT: 6.99 min Scan# 358
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion: 99 Resp: 6725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.1 | 24.2 | 36.2# |
| 71 | 36.6 | 35.7 | 53.5 |

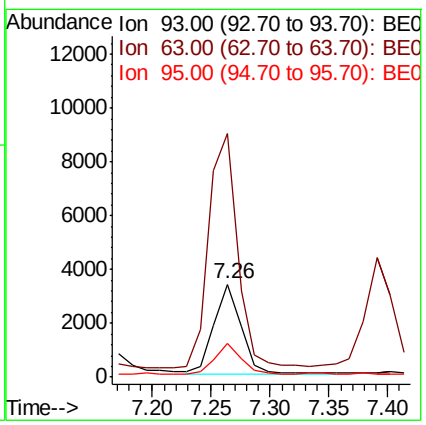


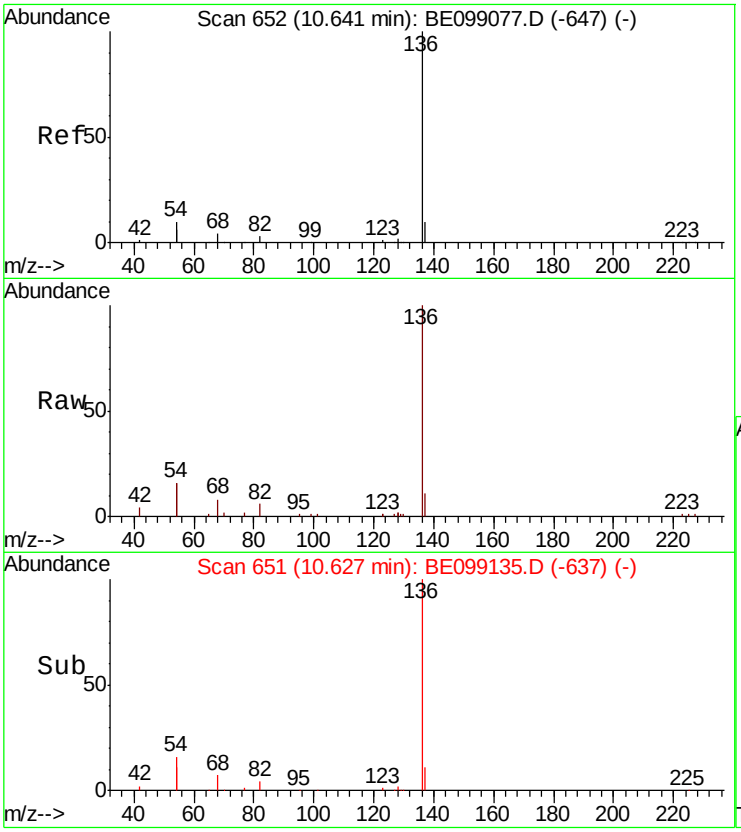




#6
bis(2-Chloroethyl)ether
Concen: 0.372 ng
RT: 7.26 min Scan# 382
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion: 93 Resp: 5312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 275.1 | 247.5 | 371.3 |
| 95 | 32.5 | 21.8 | 32.8 |



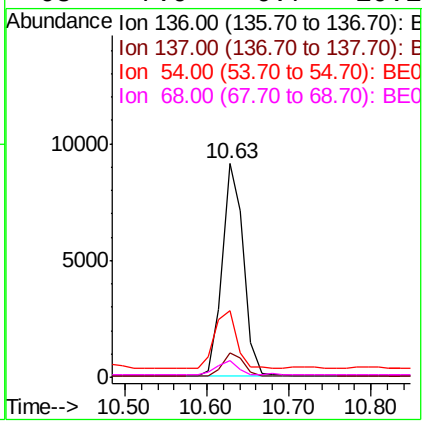


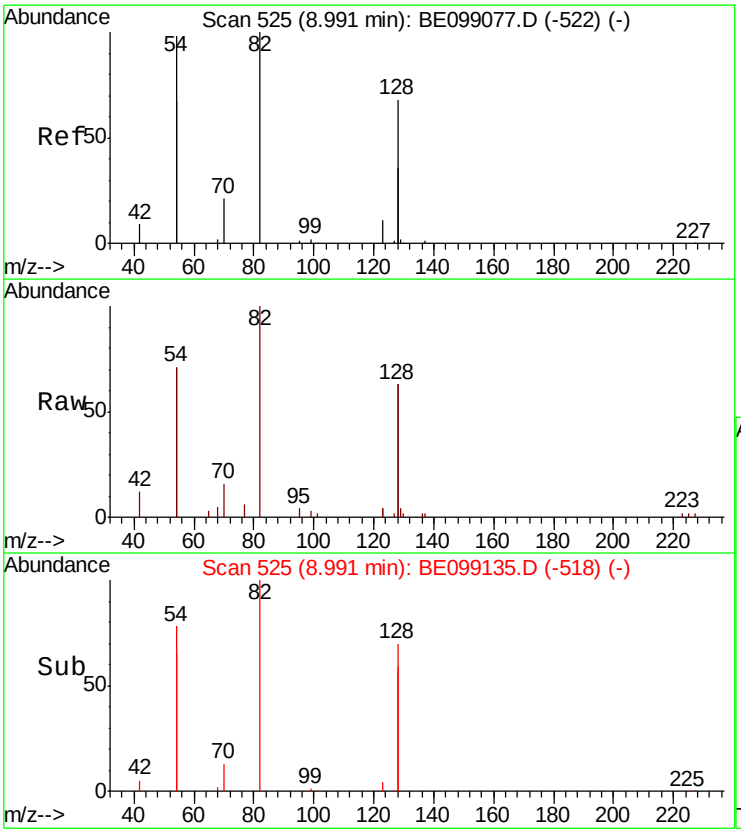

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:136 Resp: 16386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 11.4 | 17.0# |
| 54 | 31.4 | 39.3 | 58.9# |
| 68 | 7.9 | 6.7 | 10.1 |

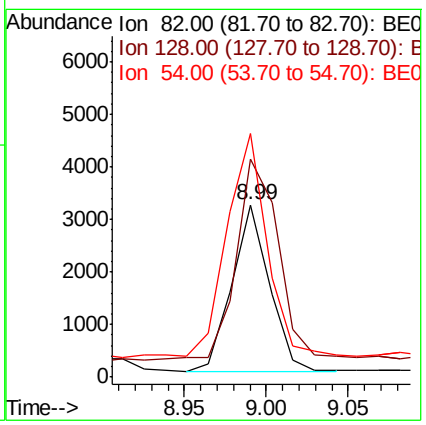


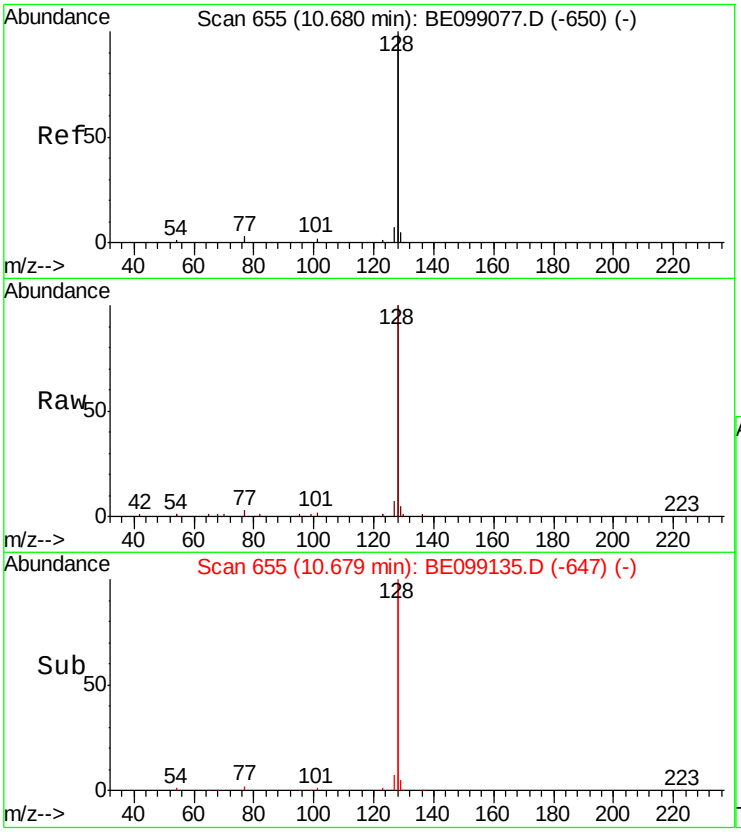




#8
Nitrobenzene-d5
Concen: 0.706 ng
RT: 8.99 min Scan# 525
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion: 82 Resp: 5056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 126.5 | 123.8 | 185.8 |
| 54 | 141.1 | 203.4 | 305.2# |



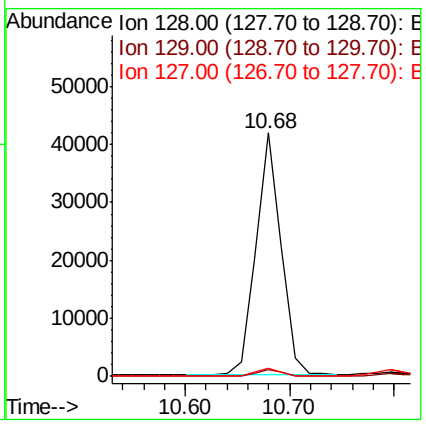


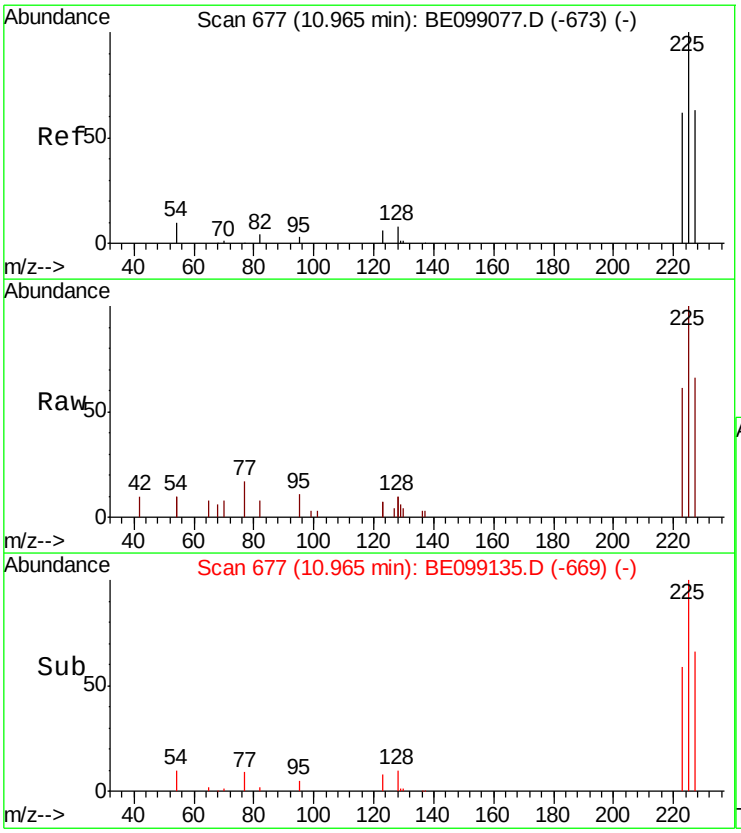

#9
Naphthalene
Concen: 0.358 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:128 Resp: 69156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.7 | 2.6 | 4.0 |
| 127 | 3.5 | 3.1 | 4.7 |

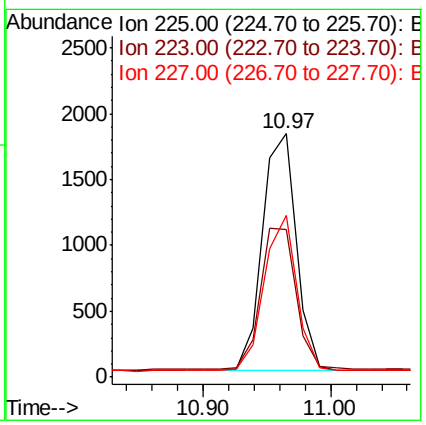


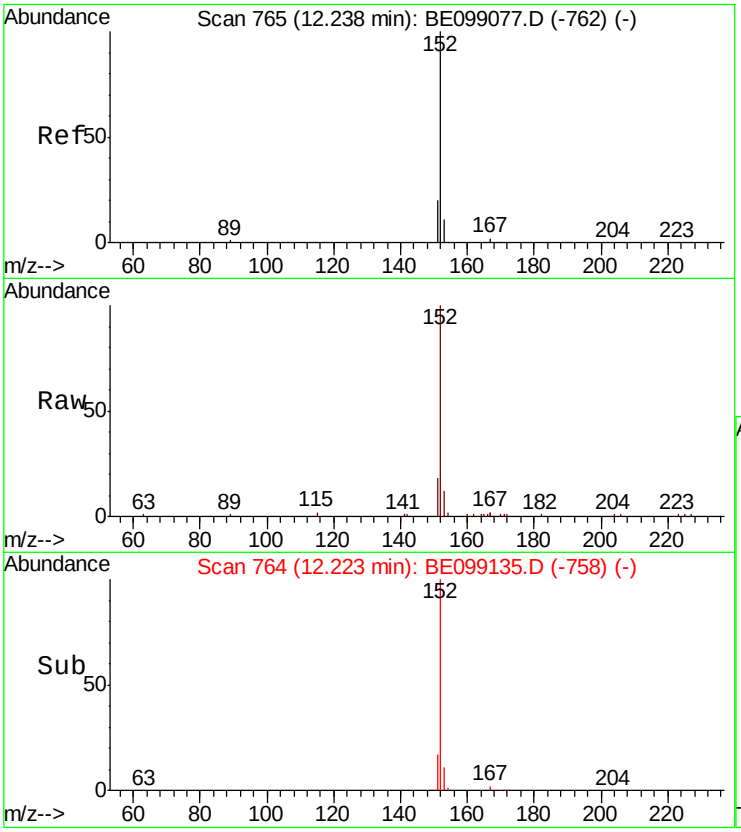




#10
Hexachlorobutadiene
Concen: 0.350 ng
RT: 10.97 min Scan# 677
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:225 Resp: 3303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 51.1 | 76.7 |
| 227 | 63.2 | 51.6 | 77.4 |



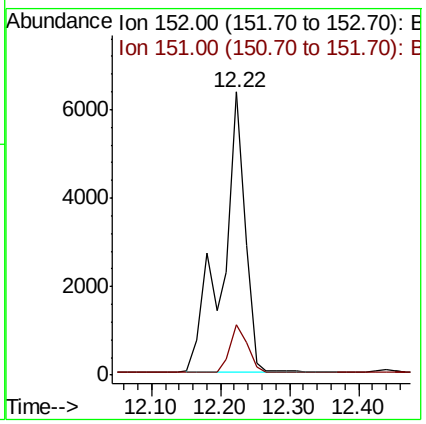


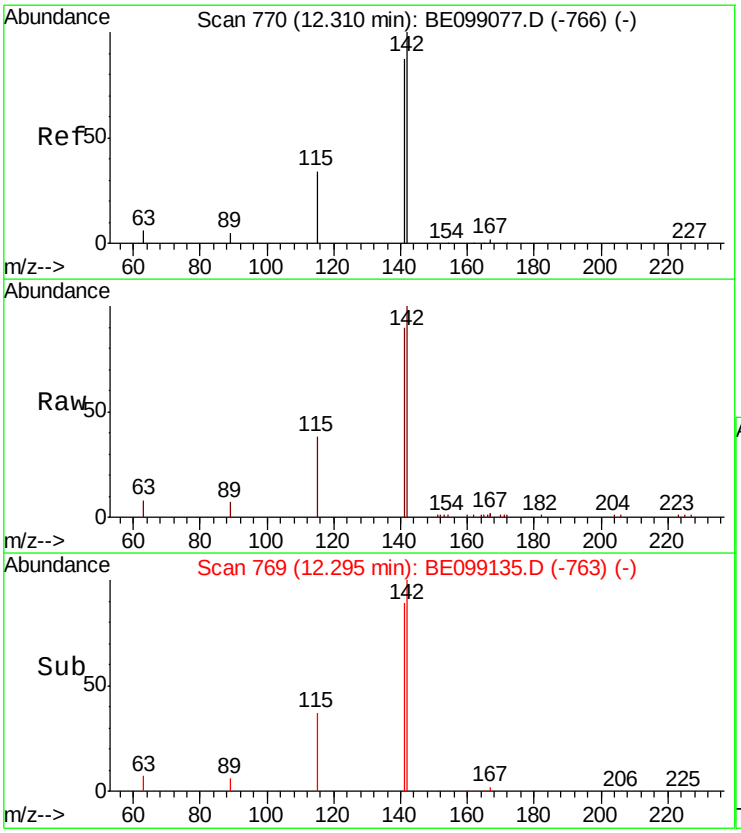

#11
2-Methylnaphthalene-d10
Concen: 0.485 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:152 Resp: 14311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 13.4 | 16.5 | 24.7# |

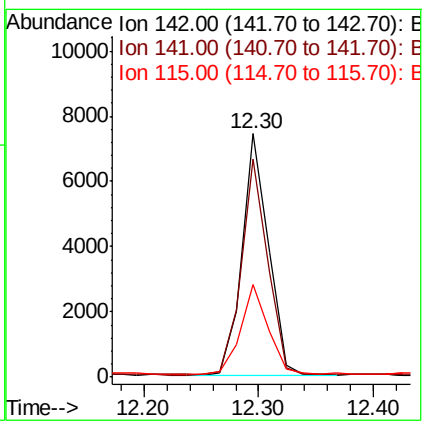


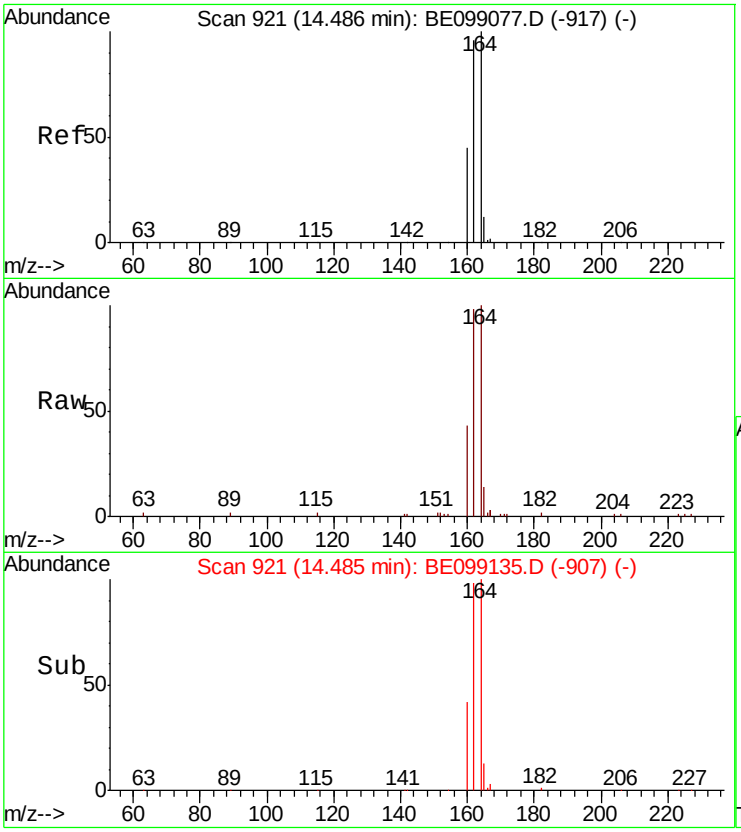




#12
2-Methylnaphthalene
Concen: 0.351 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:142 Resp: 11625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 72.6 | 108.8 |
| 115 | 37.9 | 37.4 | 56.2 |



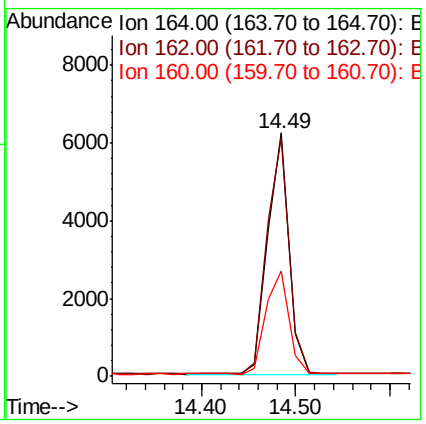


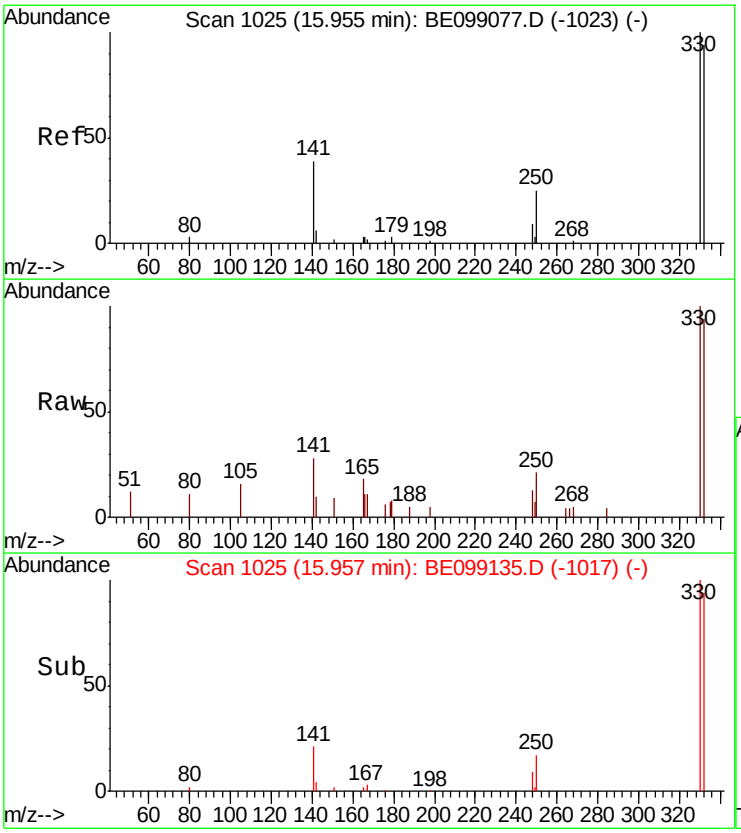

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:164 Resp: 9765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.9 | 80.2 | 120.2 |
| 160 | 43.1 | 37.8 | 56.8 |

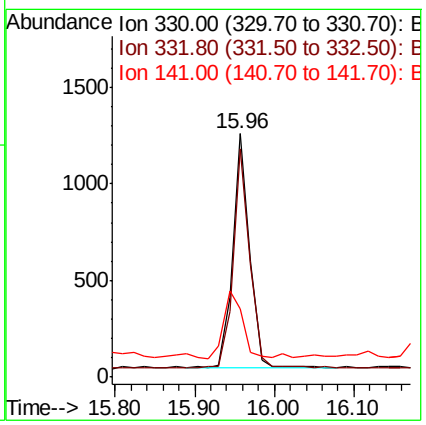


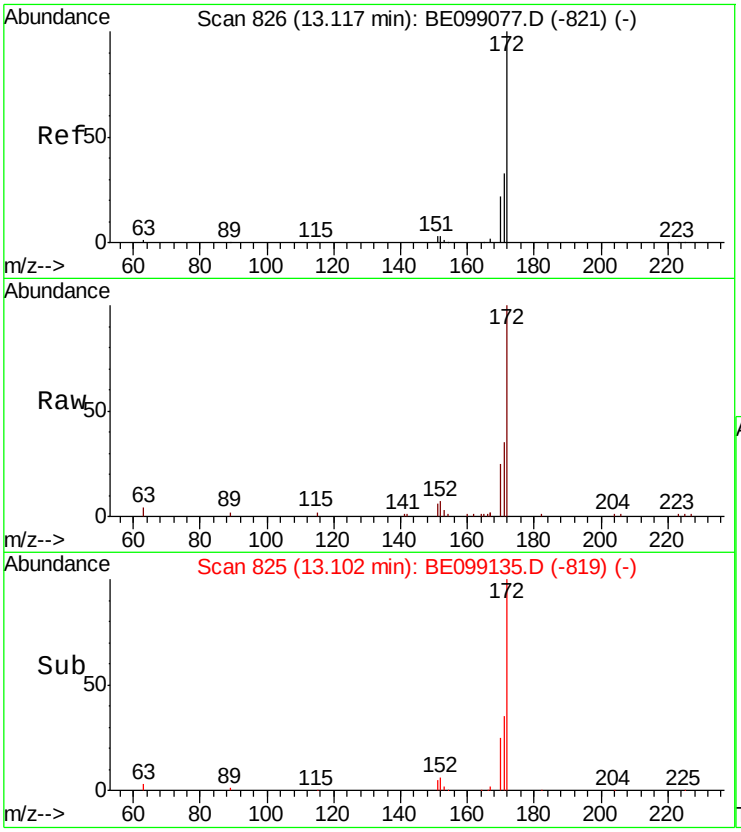




#14
2,4,6-Tribromophenol
Concen: 0.609 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:330 Resp: 1749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.3 | 77.6 | 116.4 |
| 141 | 34.2 | 31.0 | 46.4 |



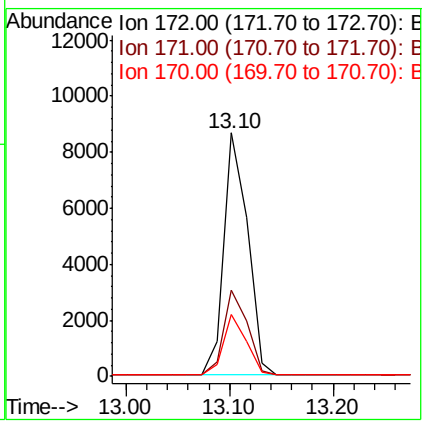


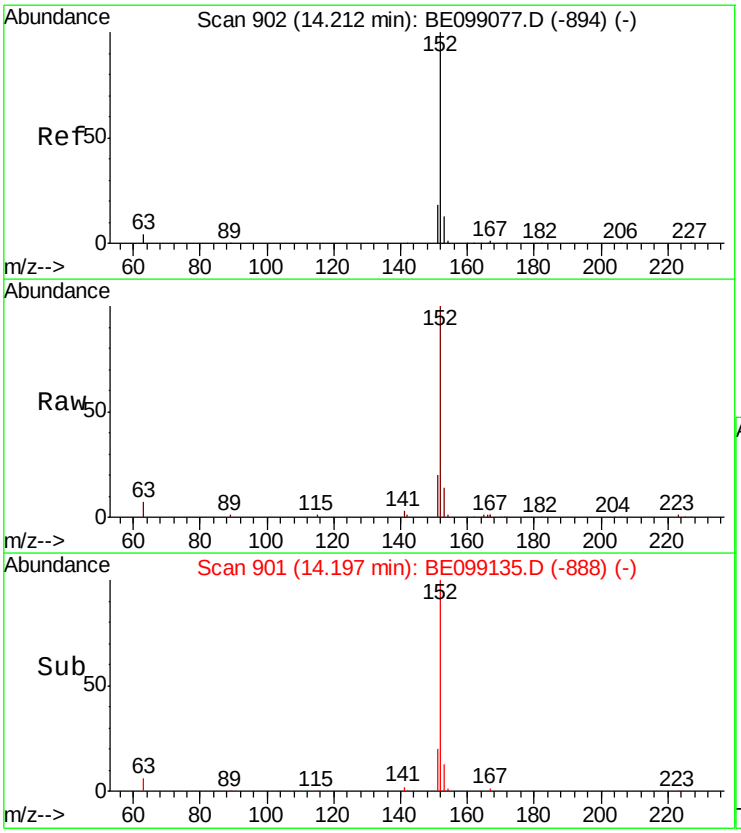

#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:172 Resp: 13823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.0 | 42.0 |
| 170 | 25.3 | 17.7 | 26.5 |

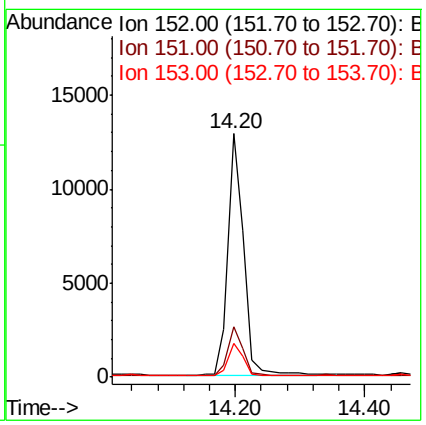


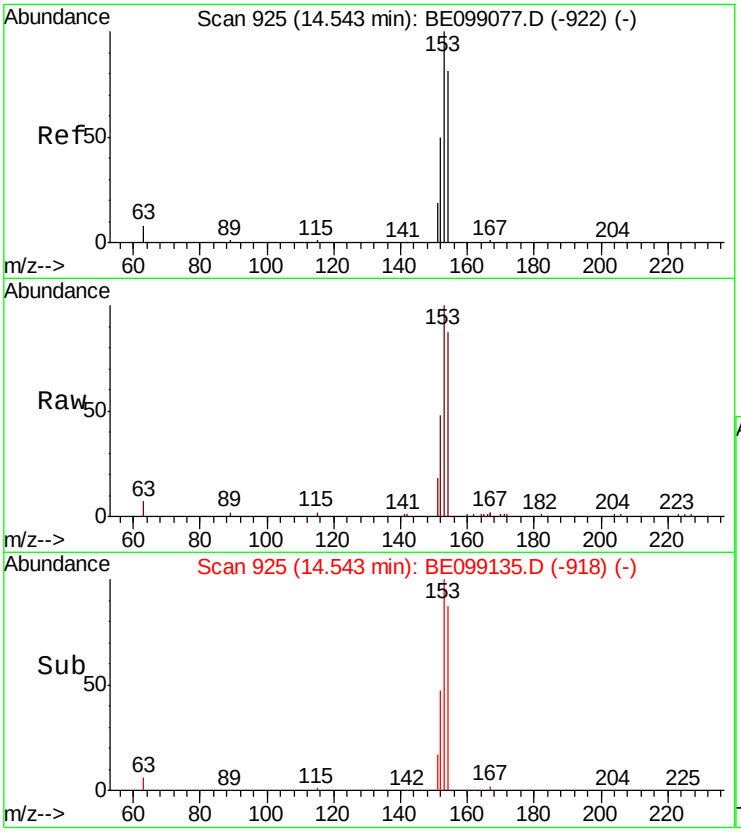




#16
Acenaphthylene
Concen: 0.419 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:152 Resp: 21843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 17.0 | 25.6 |
| 153 | 13.0 | 11.2 | 16.8 |



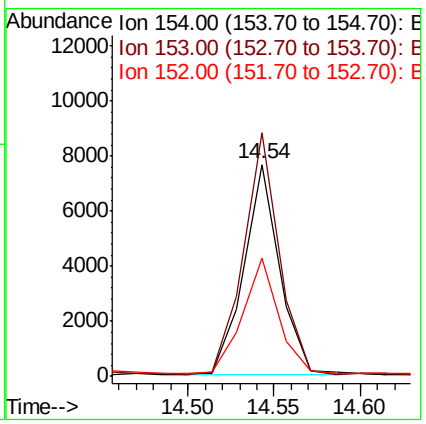


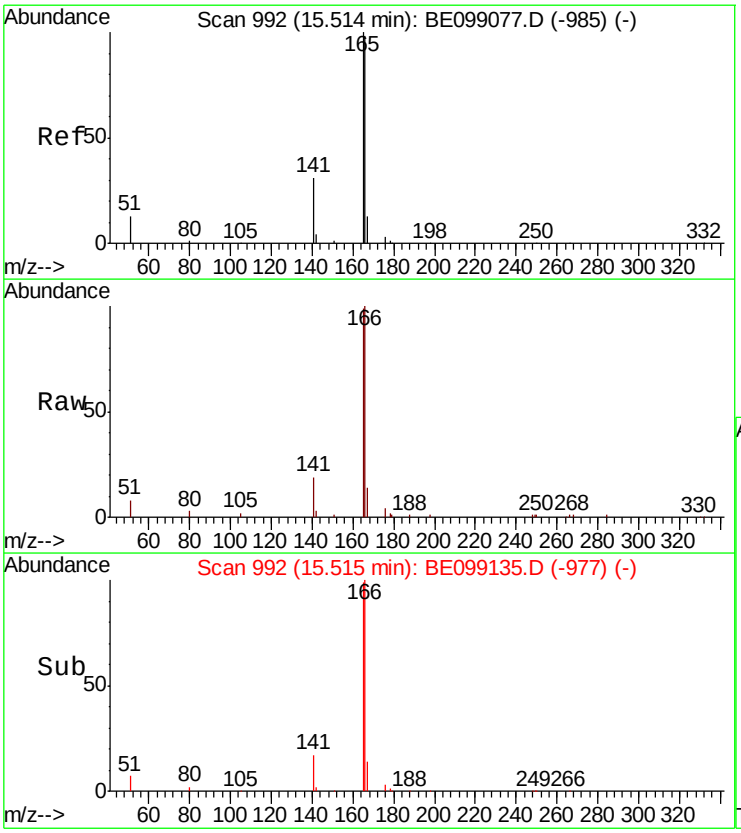

#17
Acenaphthene
Concen: 0.355 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:154 Resp: 10980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.8 | 94.2 | 141.4 |
| 152 | 55.0 | 45.0 | 67.4 |

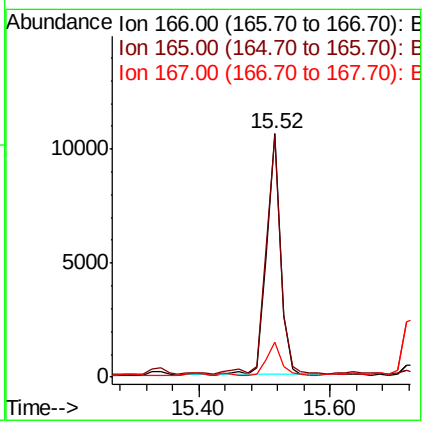


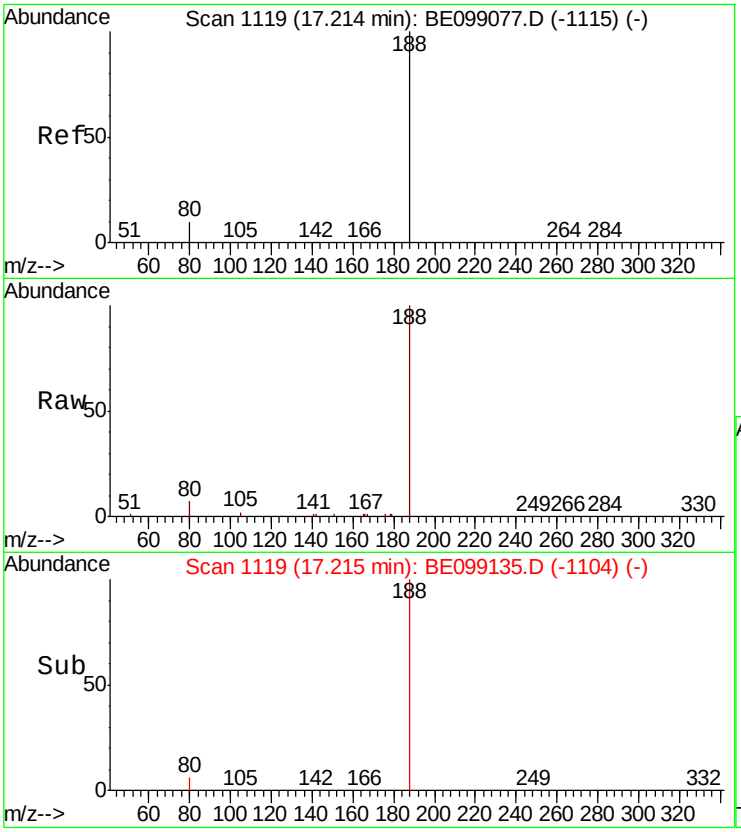




#18
Fluorene
Concen: 0.341 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:166 Resp: 15384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.6 | 79.3 | 118.9 |
| 167 | 14.0 | 10.5 | 15.7 |



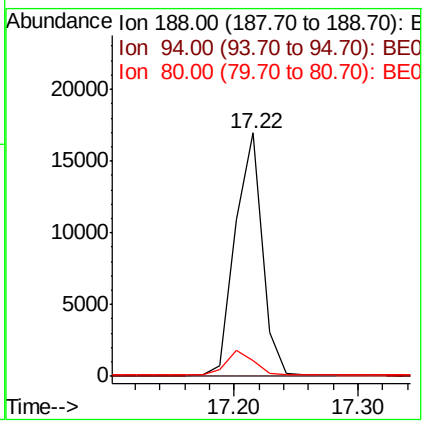


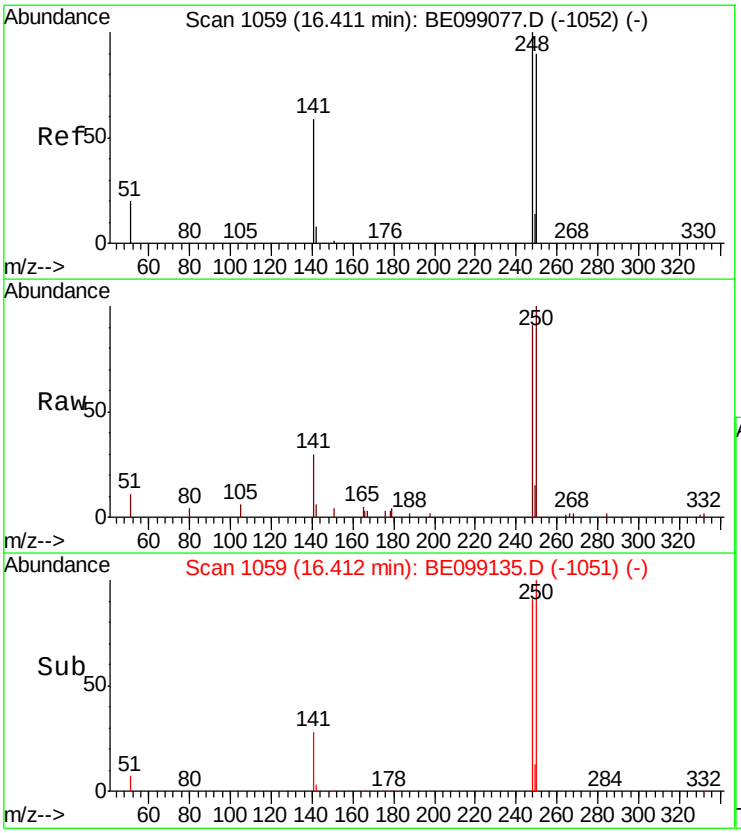

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:188 Resp: 25422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 6.6 | 6.3 | 9.5 |

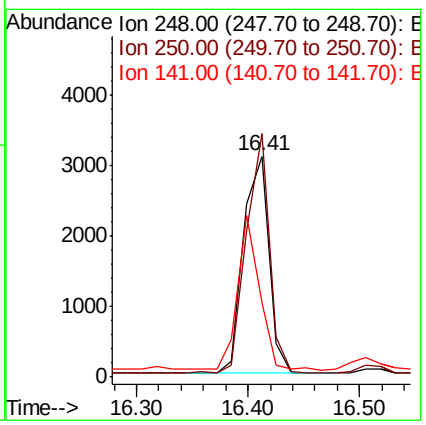


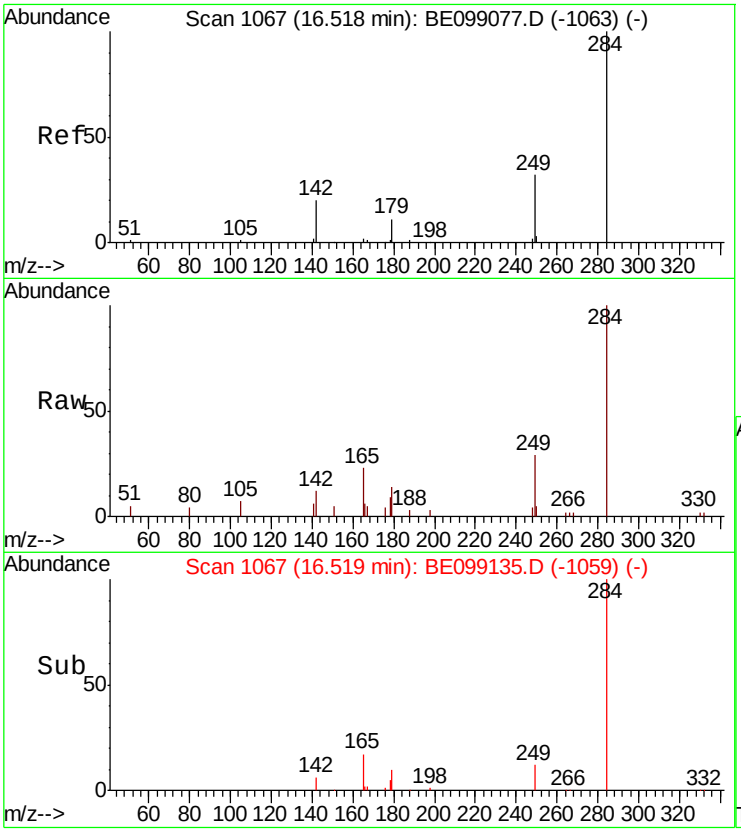




#20
4-Bromophenyl-phenylether
Concen: 0.349 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:248 Resp: 4908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 110.3 | 70.6 | 105.8# |
| 141 | 33.6 | 68.6 | 102.8# |



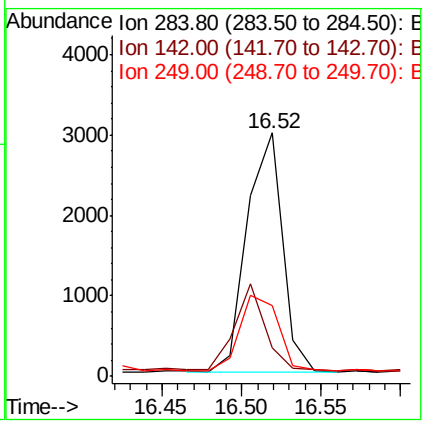


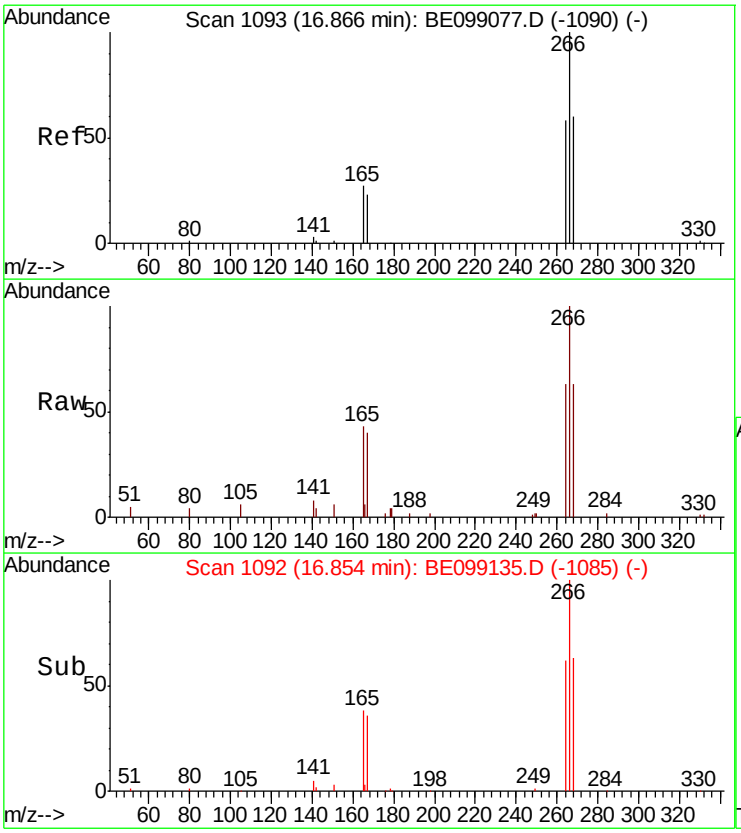

#21
Hexachlorobenzene
Concen: 0.355 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:284 Resp: 4639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.5 | 28.7 | 43.1 |
| 249 | 34.2 | 29.6 | 44.4 |

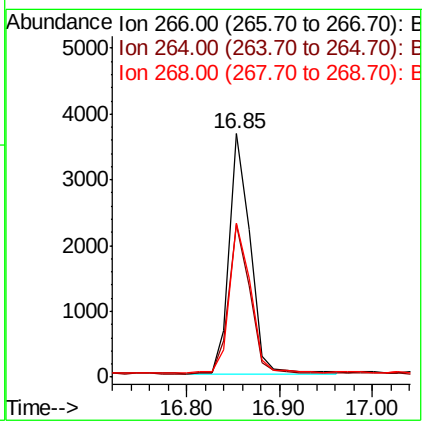


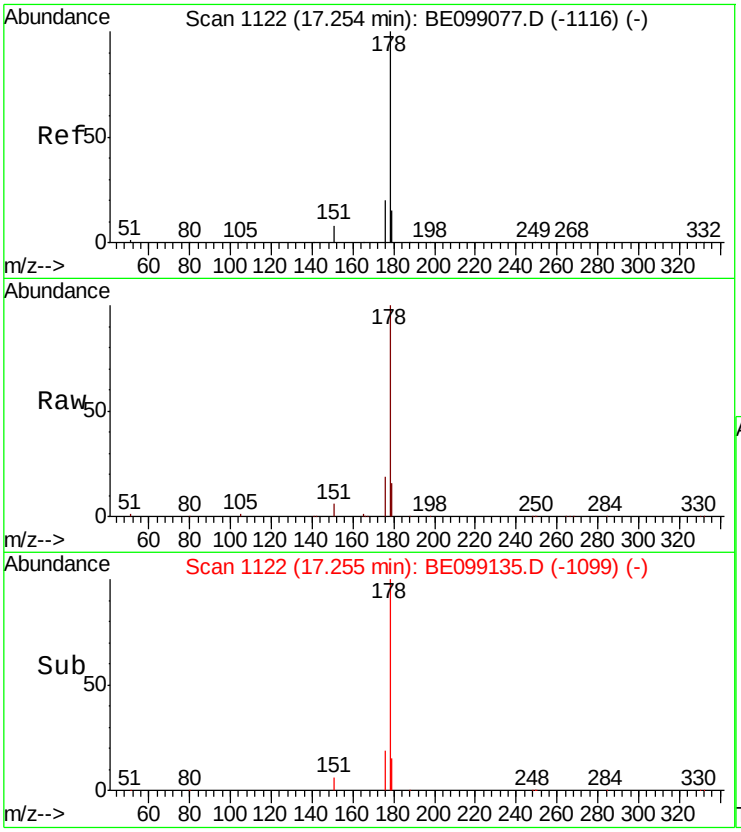




#22
Pentachlorophenol
Concen: 1.307 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:266 Resp: 5651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.6 | 66.6 | 100.0# |
| 268 | 63.5 | 69.8 | 104.8# |



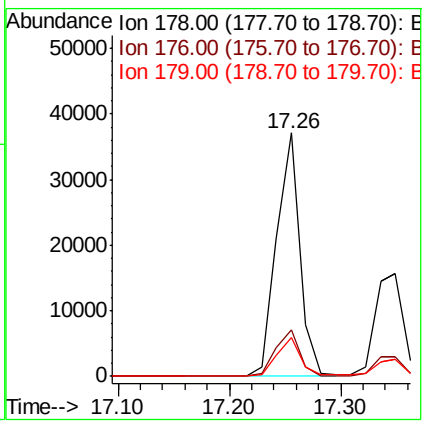


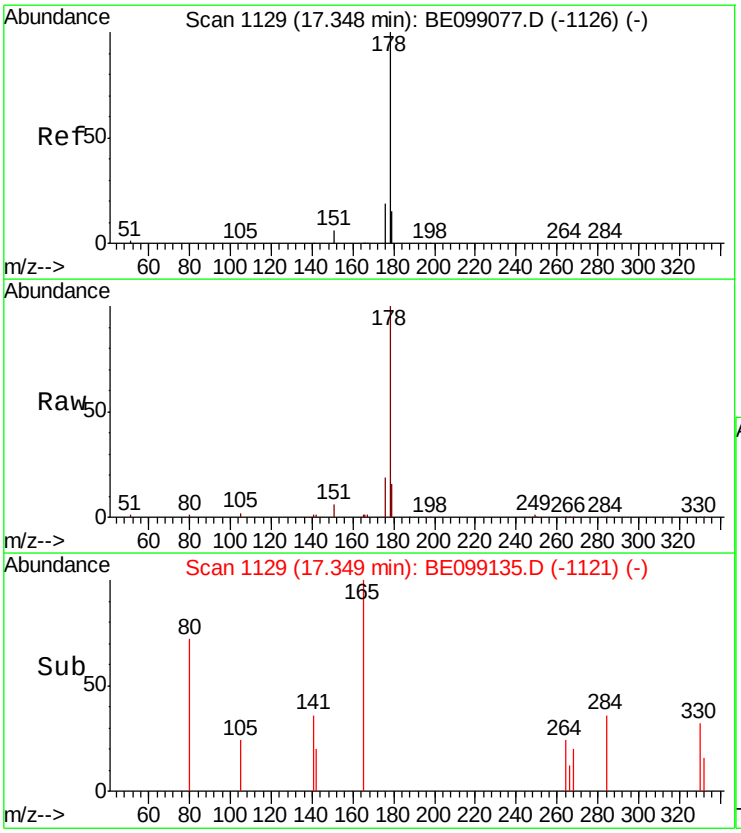

#23
Phenanthrene
Concen: 0.718 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:178 Resp: 54183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 16.0 | 24.0 |
| 179 | 15.6 | 12.1 | 18.1 |

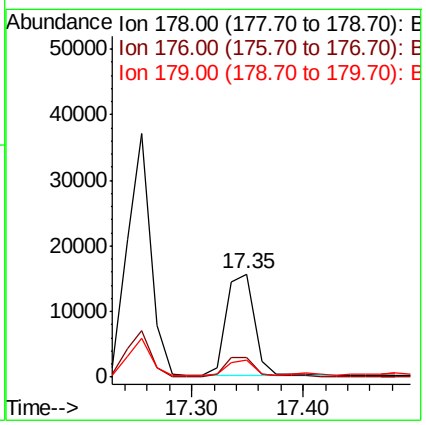


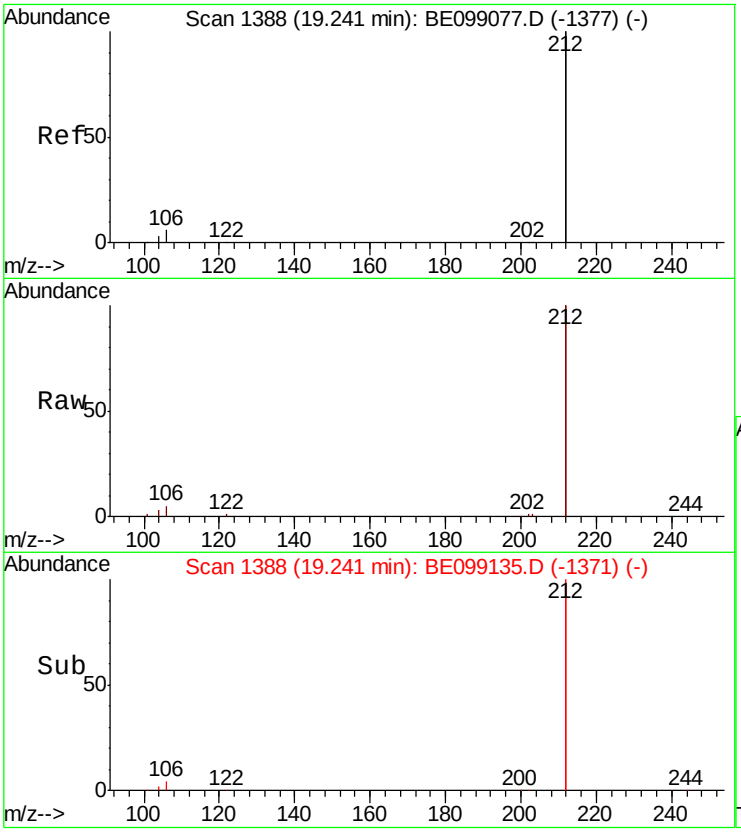




#24
Anthracene
Concen: 0.388 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:178 Resp: 27740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.0 | 12.2 | 18.4 |



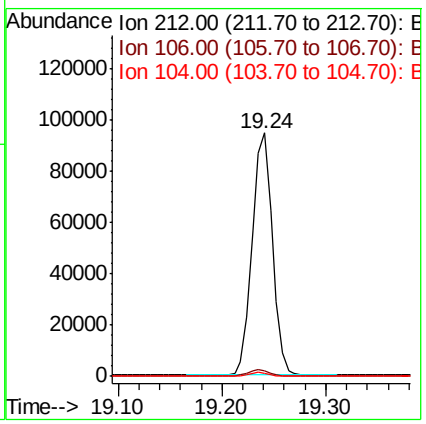


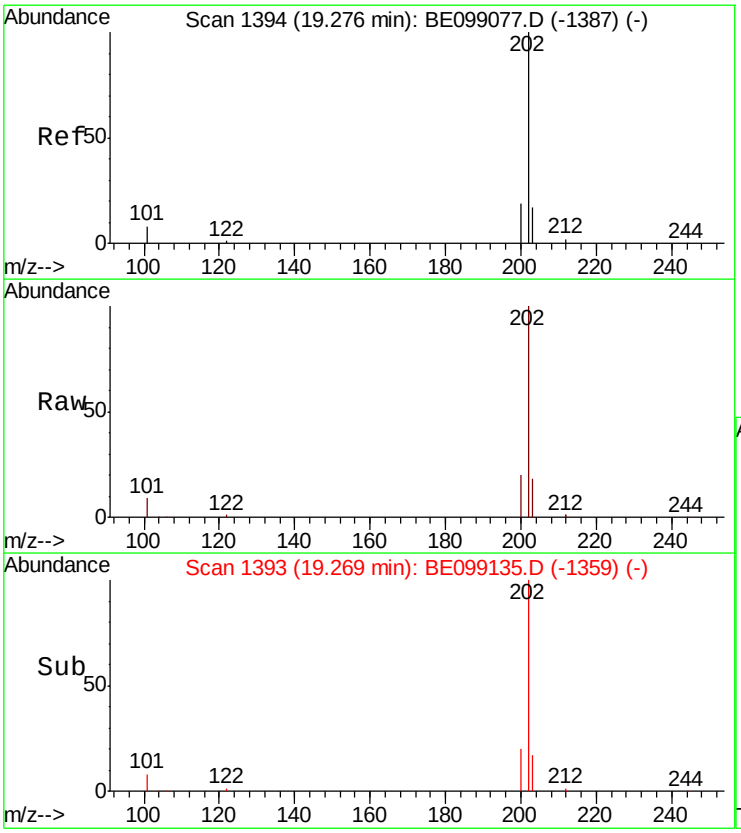

#25
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:212 Resp: 128083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 2.6 | 1.8 | 2.8 |
| 104 | 1.5 | 1.0 | 1.6 |

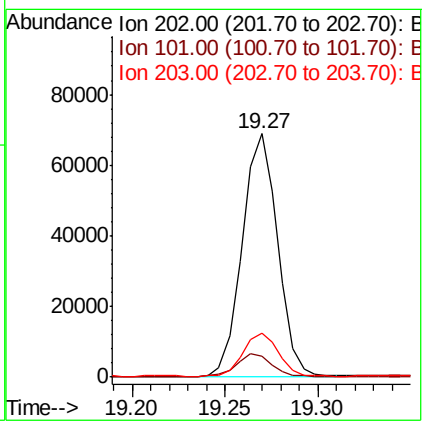


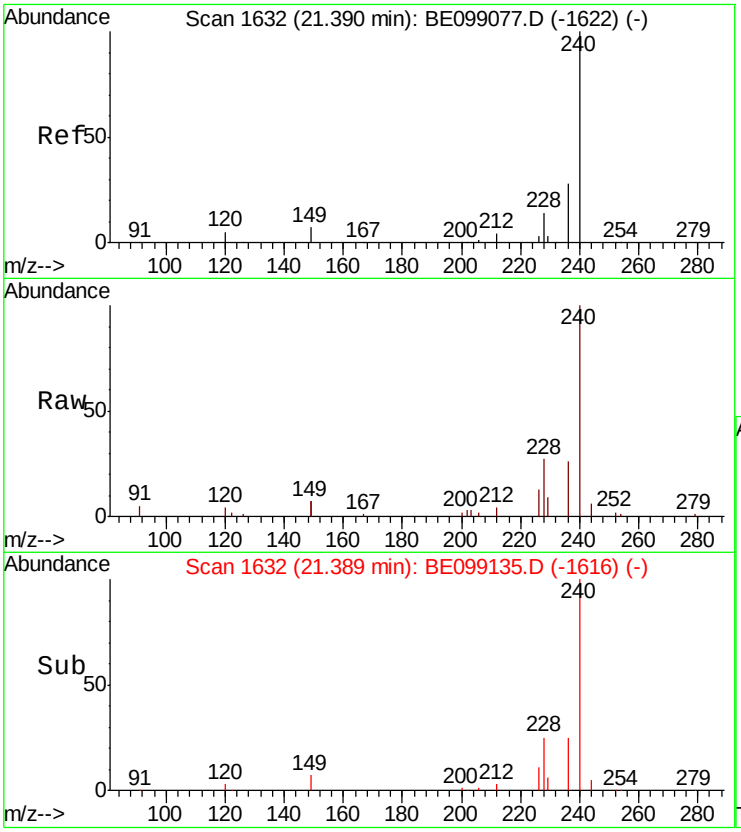




#26
Fluoranthene
Concen: 0.859 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:202 Resp: 91199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.3 | 7.3 | 10.9 |
| 203 | 17.5 | 13.4 | 20.2 |



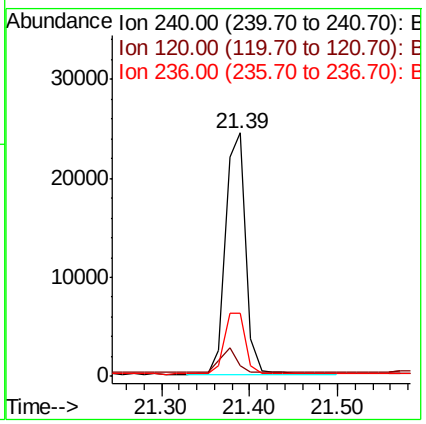


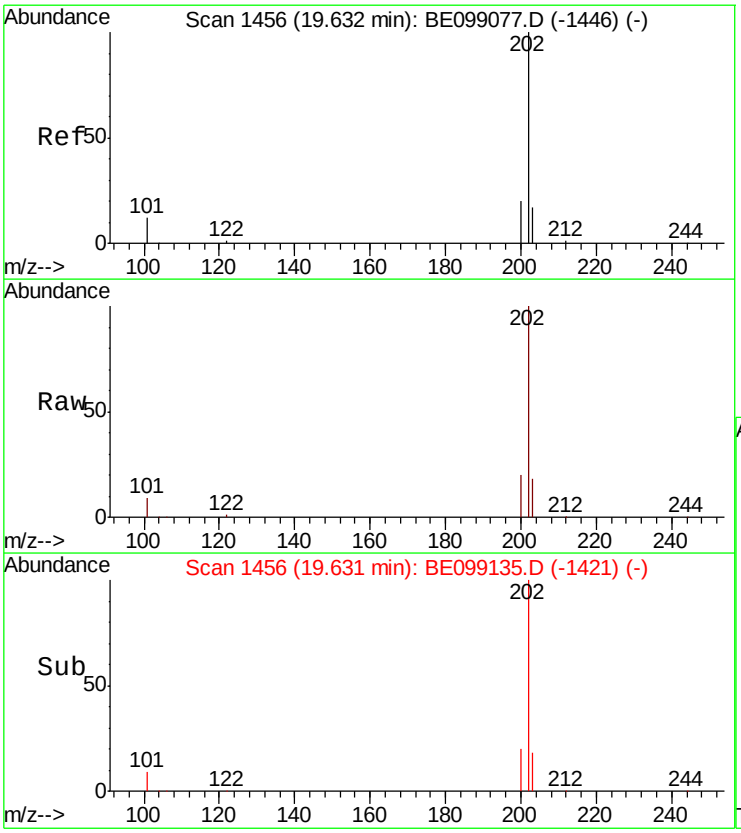

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:240 Resp: 38844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.1 | 5.0 | 7.4# |
| 236 | 26.1 | 22.7 | 34.1 |

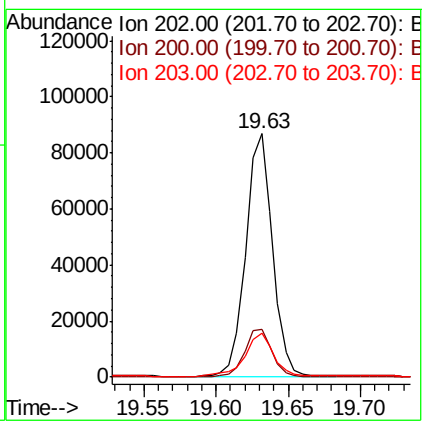


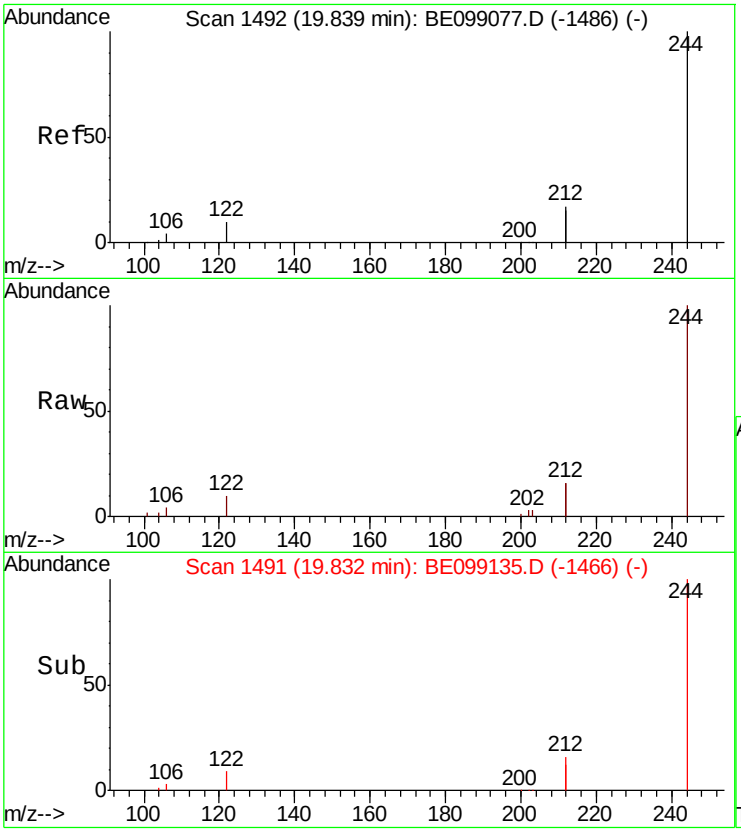




#28
Pyrene
Concen: 0.851 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:202 Resp: 112127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 17.0 | 25.6 |
| 203 | 19.3 | 14.2 | 21.2 |



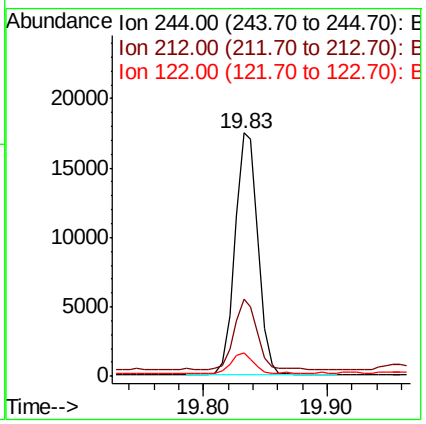


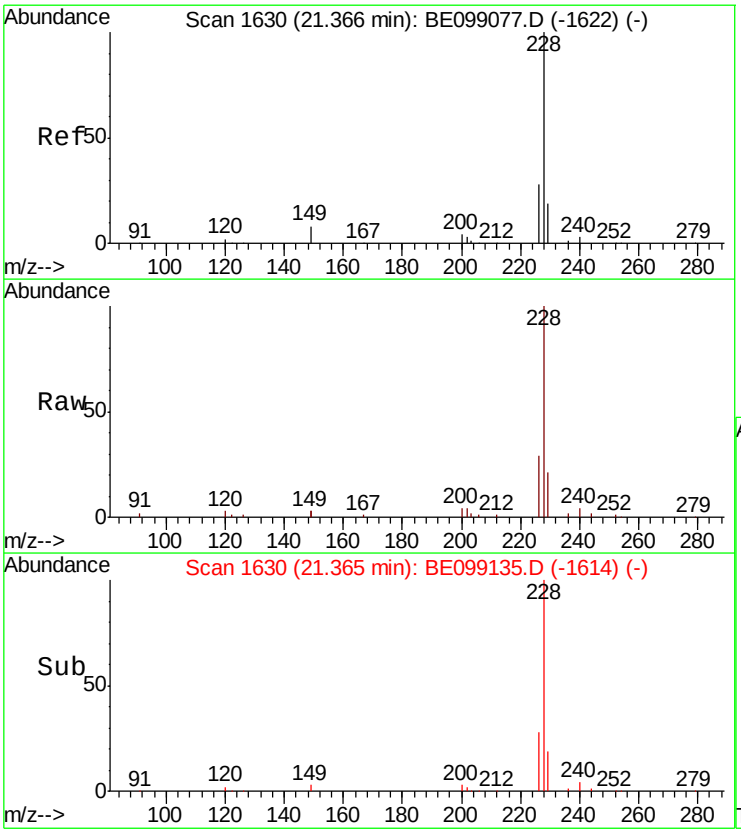

#29
Terphenyl-d14
Concen: 0.274 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:244 Resp: 22494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 31.5 | 29.4 | 44.2 |
| 122 | 9.8 | 7.1 | 10.7 |

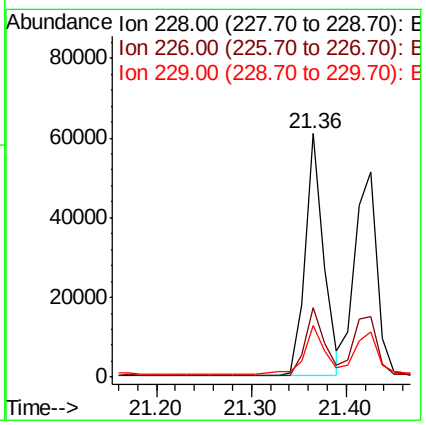


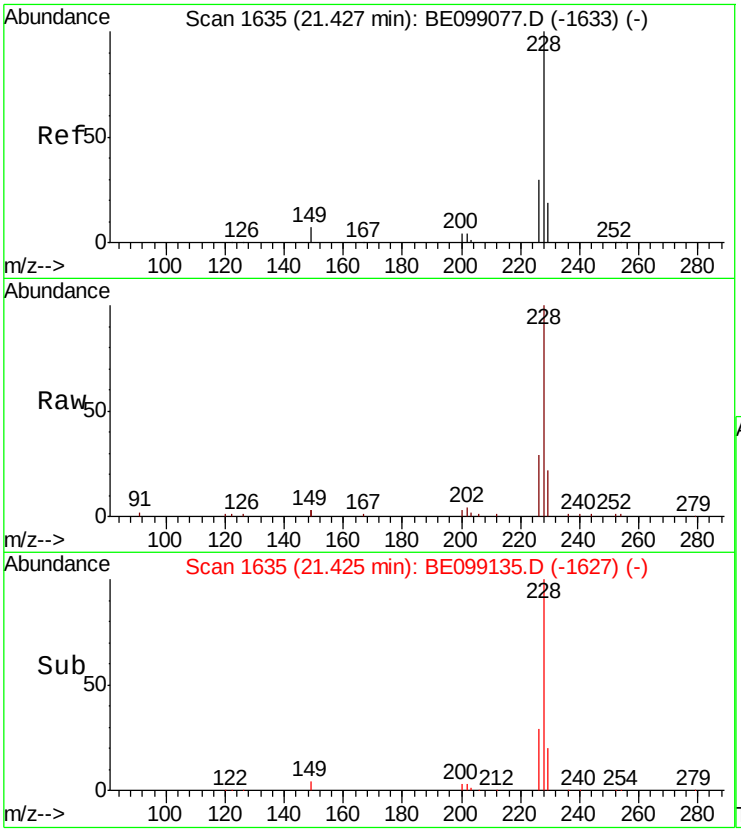




#30
Benzo(a)anthracene
Concen: 0.599 ng
RT: 21.36 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:228 Resp: 81995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.5 | 23.0 | 34.4 |
| 229 | 21.3 | 16.5 | 24.7 |



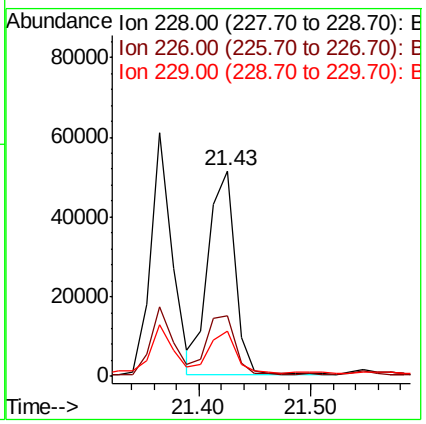


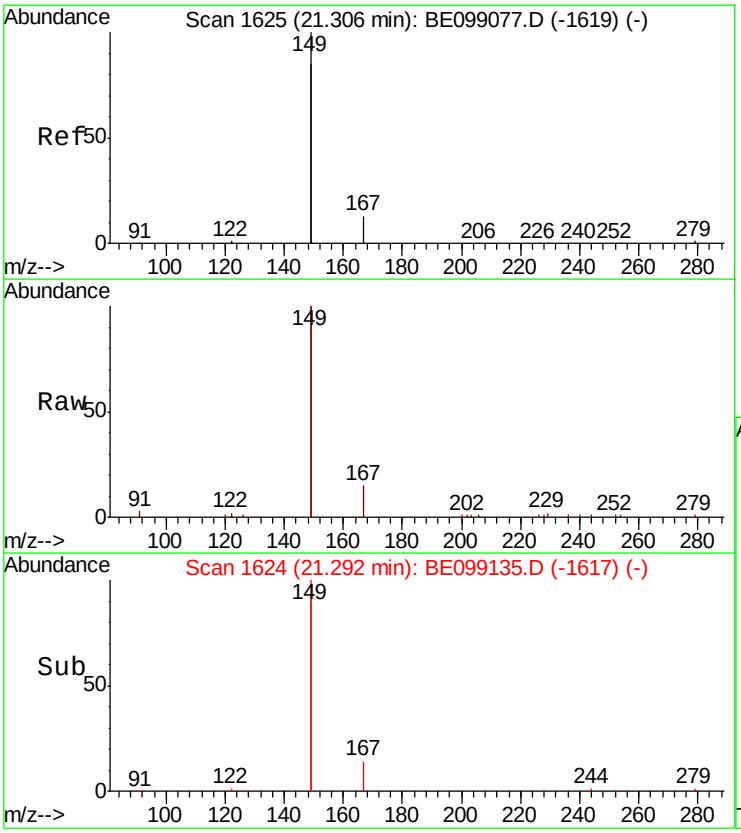

#31
Chrysene
Concen: 0.613 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:228 Resp: 83894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 23.7 | 35.5 |
| 229 | 21.9 | 16.1 | 24.1 |

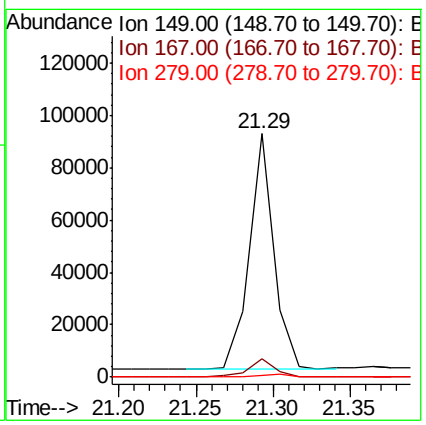


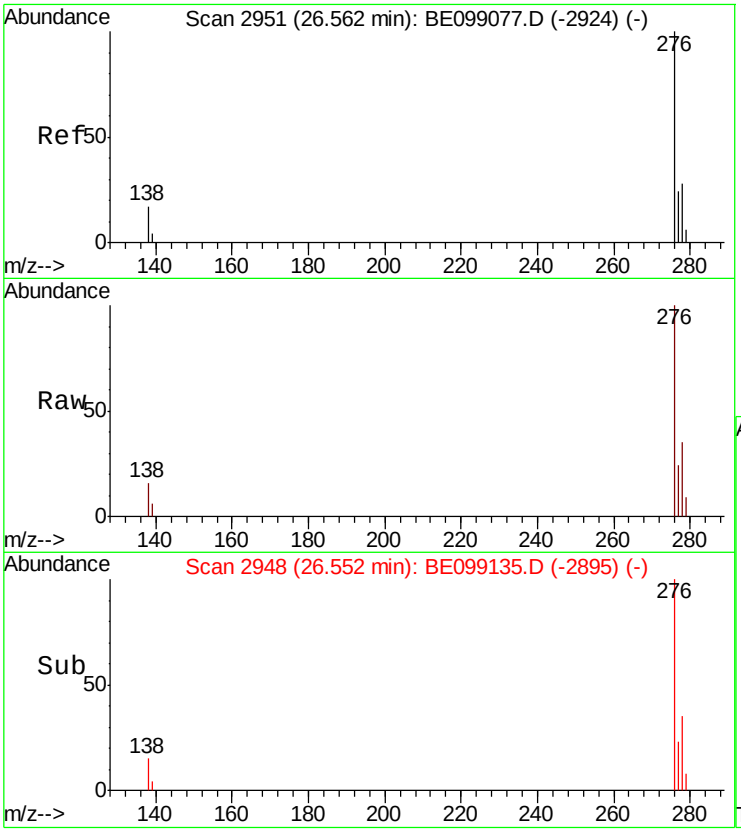




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.558 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:149 Resp: 99062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.3 | 5.4 | 8.0 |
| 279 | 1.1 | 1.0 | 1.4 |



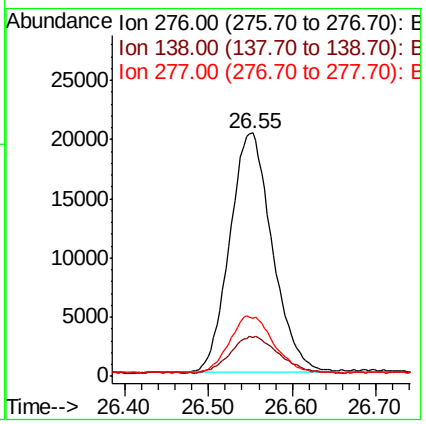


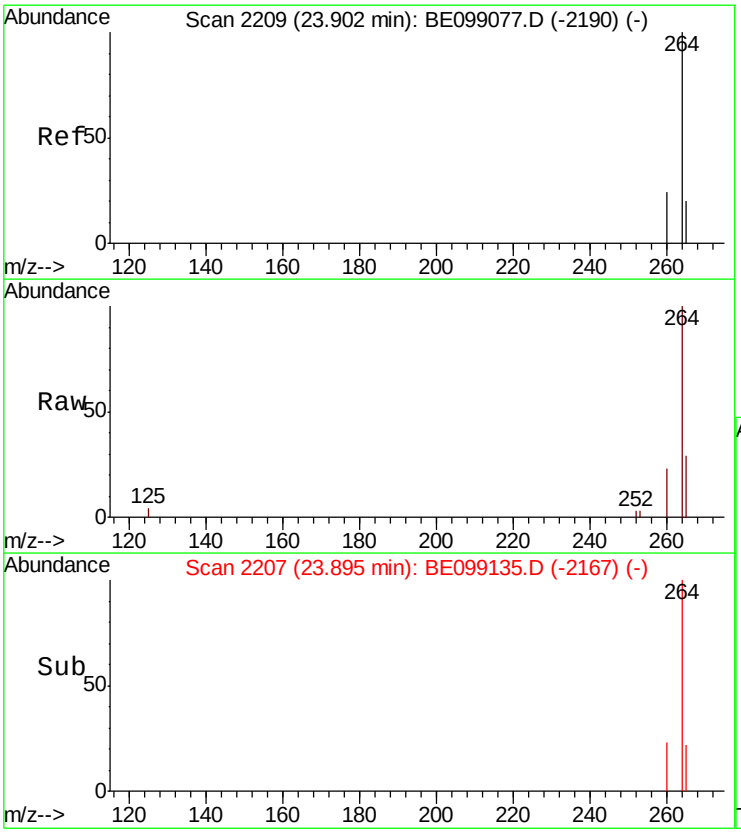

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.487 ng
RT: 26.55 min Scan# 2948
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:276 Resp: 71568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.8 | 20.8 |
| 277 | 24.1 | 19.5 | 29.3 |

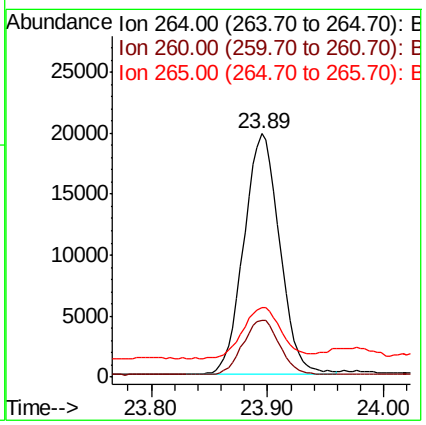


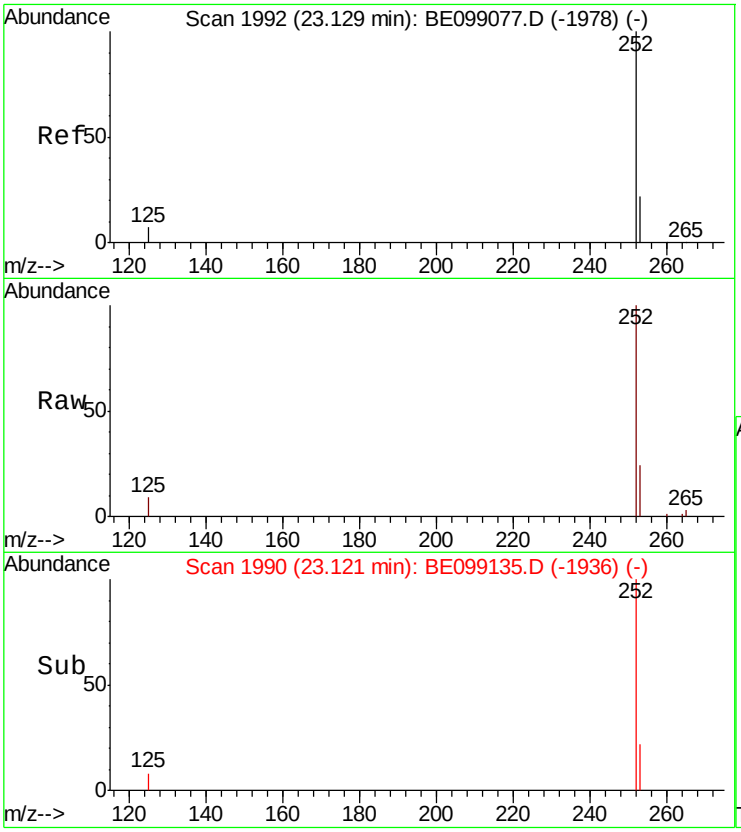




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:264 Resp: 42395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 21.2 | 31.8 |
| 265 | 28.8 | 24.6 | 36.8 |



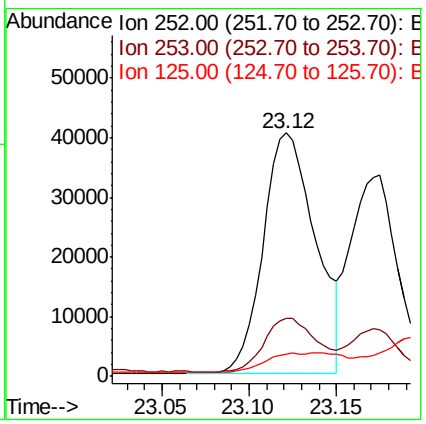


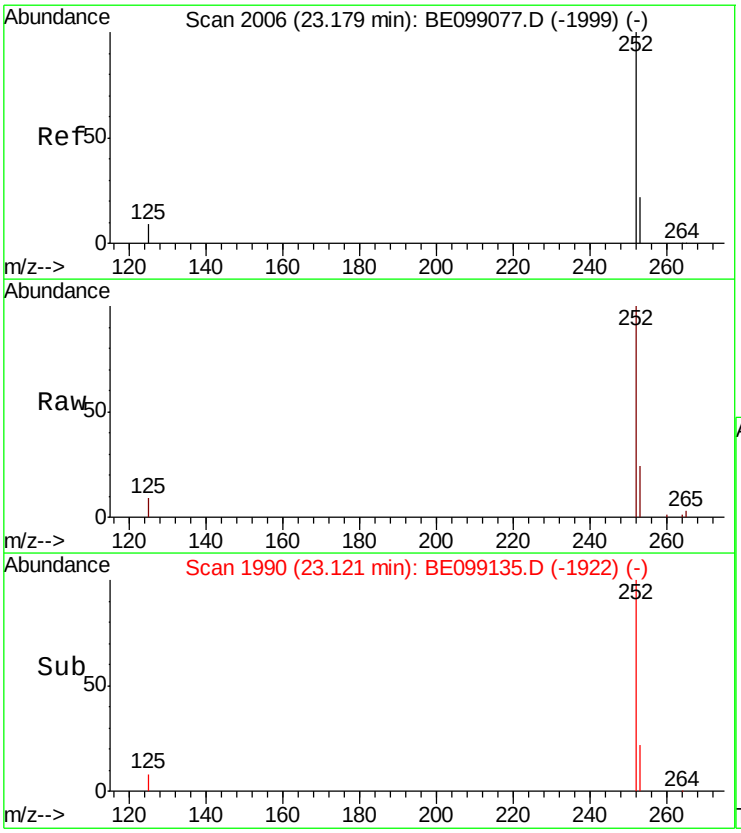

#35
Benzo(b)fluoranthene
Concen: 0.575 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:252 Resp: 84300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 18.2 | 27.2 |
| 125 | 9.3 | 7.3 | 10.9 |

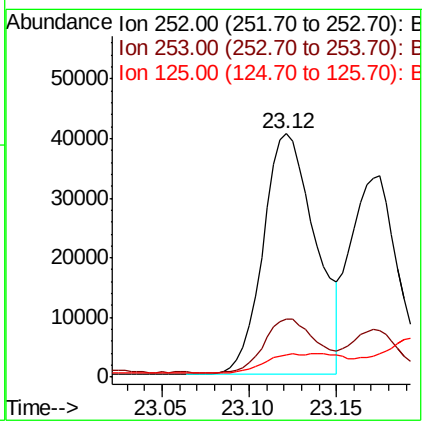


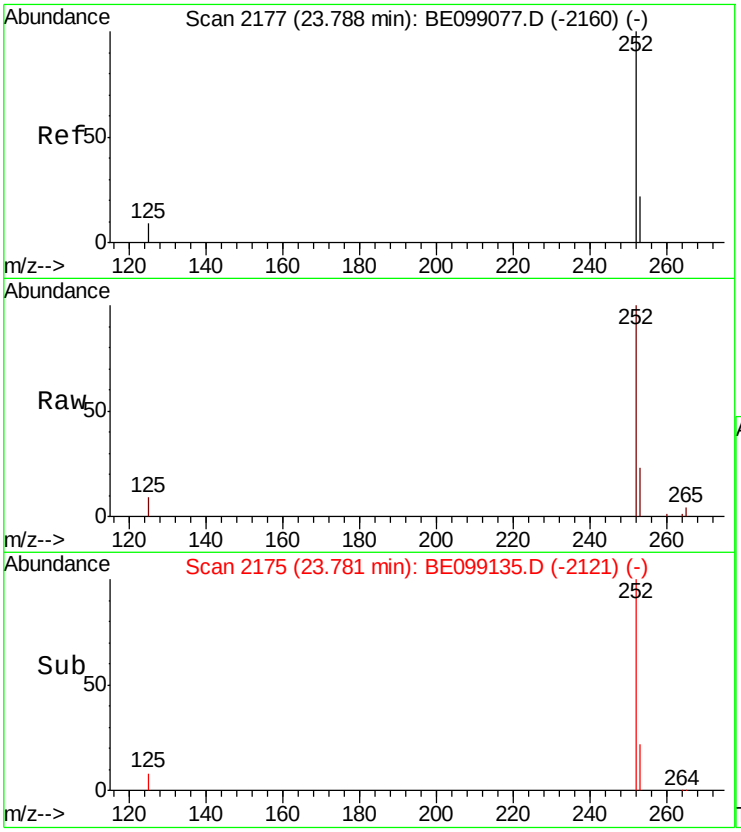




#36
Benzo(k)fluoranthene
Concen: 0.587 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.06 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:252 Resp: 84300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 19.3 | 28.9 |
| 125 | 9.3 | 7.5 | 11.3 |



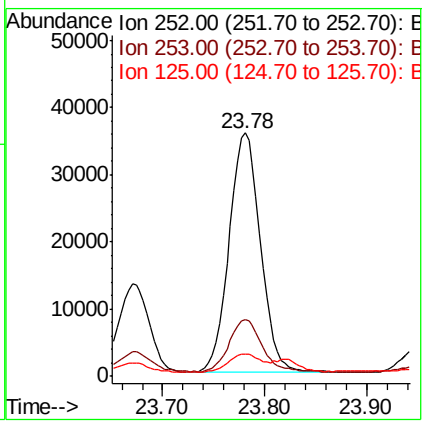


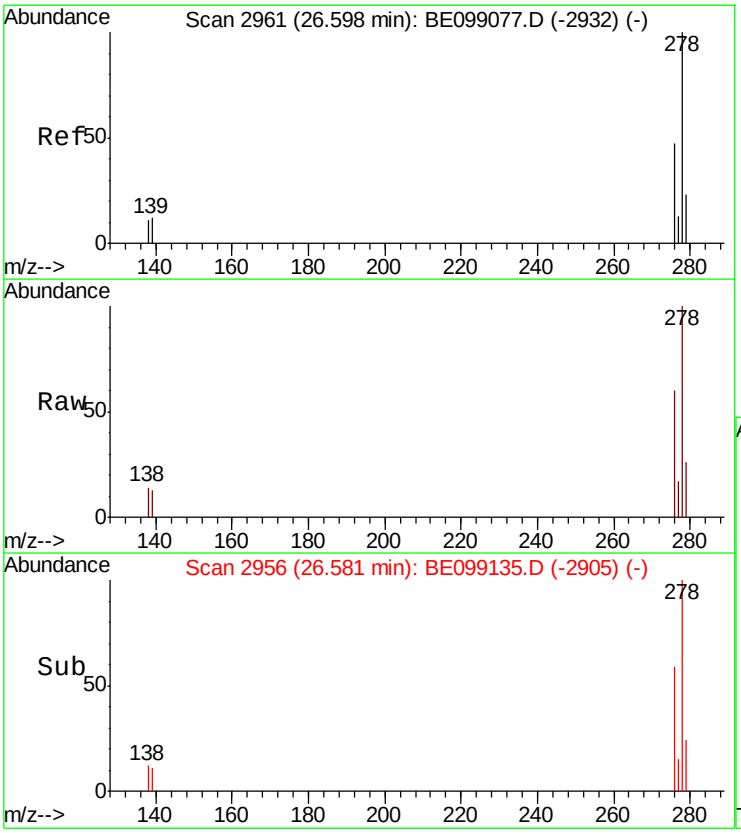

#37
Benzo(a)pyrene
Concen: 0.563 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:252 Resp: 76327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 19.9 | 29.9 |
| 125 | 9.3 | 9.0 | 13.4 |

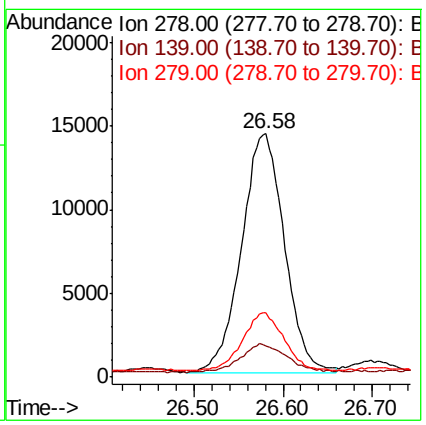


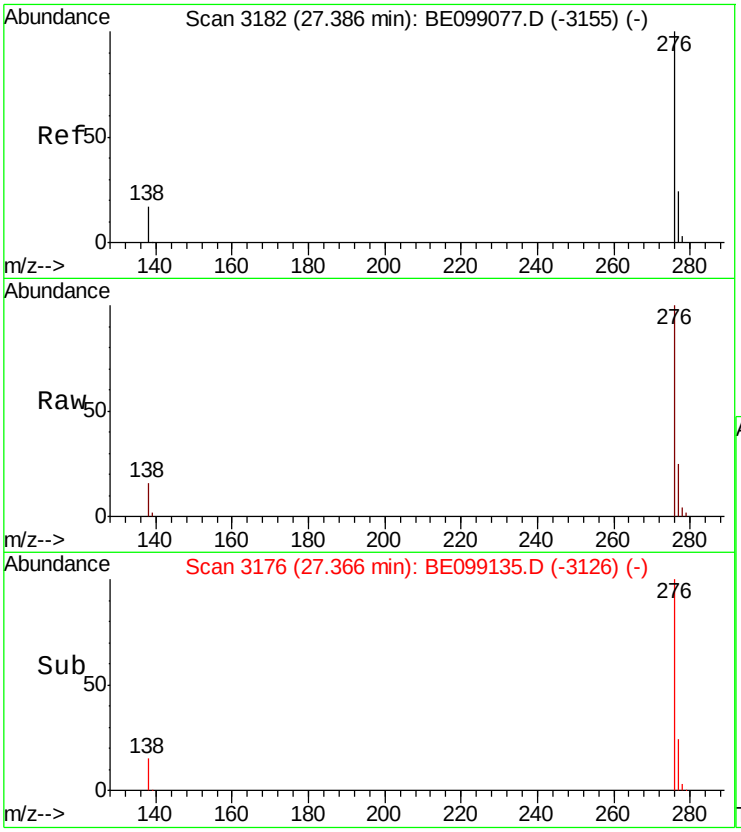




#38
Dibenzo(a,h)anthracene
Concen: 0.359 ng
RT: 26.58 min Scan# 2956
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

Tgt Ion:278 Resp: 47381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.9 | 11.8 | 17.6 |
| 279 | 26.2 | 21.1 | 31.7 |






#39
Benzo(g,h,i)perylene
Concen: 0.502 ng
RT: 27.37 min Scan# 3176
Delta R.T. -0.02 min
Lab File: BE099135.D
Acq: 24 Mar 2019 6:14

**Instrument :**
BNA_E
**ClientSampleId :**
PST-026-SW075-031819MSD

Tgt Ion:276 Resp: 67948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.6 | 20.4 | 30.6 |
| 138 | 16.4 | 13.6 | 20.4 |