Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061219\
Data File : BE099964.D
Acq On : 12 Jun 2019 19:48
Operator : JU/SJ
Sample : K3280-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** BP-HN-MW29IR-20190608

Quant Time: Jun 13 04:10:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 866 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.60 | 136 | 3097 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.47 | 164 | 2486 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.21 | 188 | 7541 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.39 | 240 | 10074 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.92 | 264 | 11586 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.36 | 112 | 419 | 0.18 | ng | | 0.00 |
| 5) Phenol-d6 | 6.98 | 99 | 285 | 0.09 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.99 | 82 | 1068 | 0.36 | ng | | 0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 1967 | 0.36 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.97 | 330 | 543 | 0.30 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.09 | 172 | 4051 | 0.43 | ng | | -0.01 |
| 25) Fluoranthene-d10 | 19.24 | 212 | 38179 | 0.35 | ng | | -0.01 |
| 29) Terphenyl-d14 | 19.84 | 244 | 10831 | 0.60 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.27 | 88 | 130 | 0.101 | ng | # | 72 |
| 22) Pentachlorophenol | 16.91 | 266 | 10 | 0.304 | ng | | 84 |
| 23) Phenanthrene | 17.25 | 178 | 1974 | 0.108 | ng | | 99 |
| 26) Fluoranthene | 19.27 | 202 | 6273 | 0.202 | ng | | 98 |
| 28) Pyrene | 19.63 | 202 | 5635 | 0.213 | ng | # | 96 |
| 30) Benzo(a)anthracene | 21.38 | 228 | 3161 | 0.105 | ng | # | 93 |
| 31) Chrysene | 21.43 | 228 | 3875 | 0.124 | ng | | 94 |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 7271 | 0.168 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 26.60 | 276 | 2707 | 0.073 | ng | | 98 |
| 35) Benzo(b)fluoranthene | 23.15 | 252 | 5736 | 0.177 | ng | # | 75 |
| 36) Benzo(k)fluoranthene | 23.15 | 252 | 5736 | 0.169 | ng | # | 74 |
| 37) Benzo(a)pyrene | 23.81 | 252 | 3084 | 0.096 | ng | # | 59 |
| 39) Benzo(g,h,i)perylene | 27.43 | 276 | 2930 | 0.088 | ng | # | 88 |

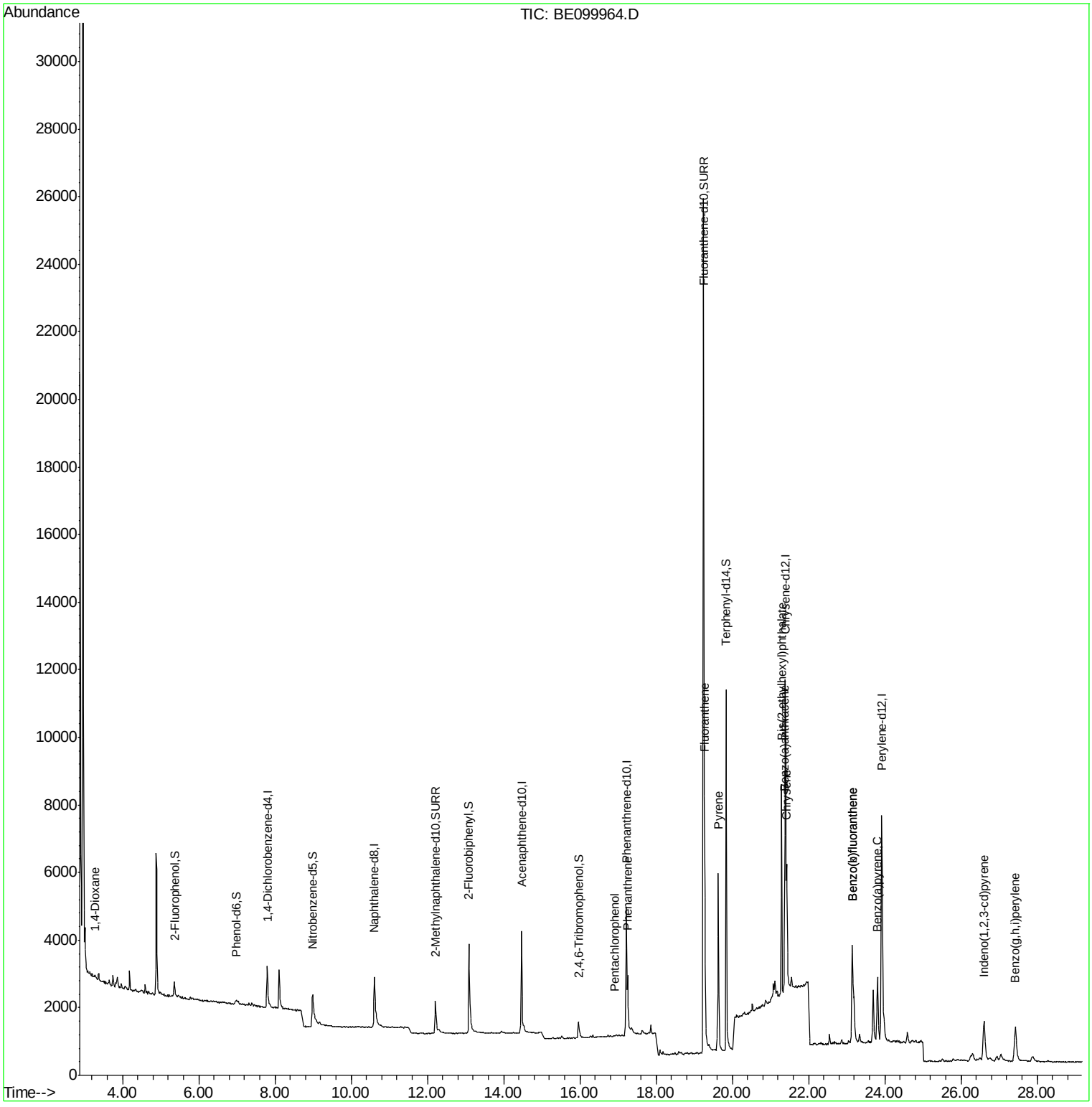
(#) = qualifier out of range (m) = manual integration (+) = signals summed

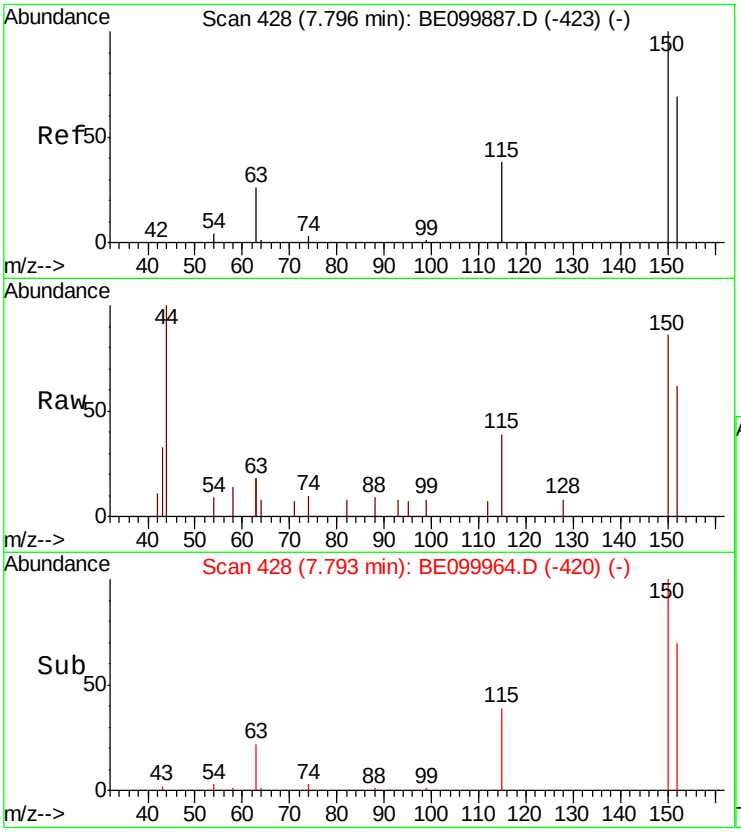
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061219\
Data File : BE099964.D
Acq On : 12 Jun 2019 19:48
Operator : JU/SJ
Sample : K3280-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Quant Time: Jun 13 04:10:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration



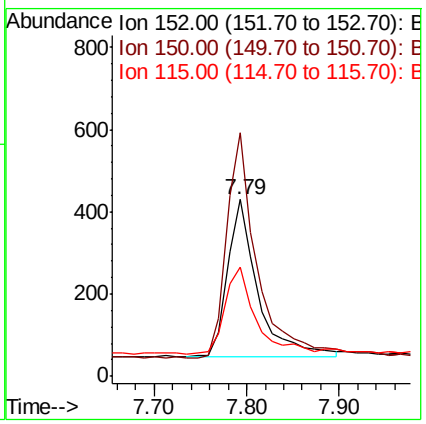


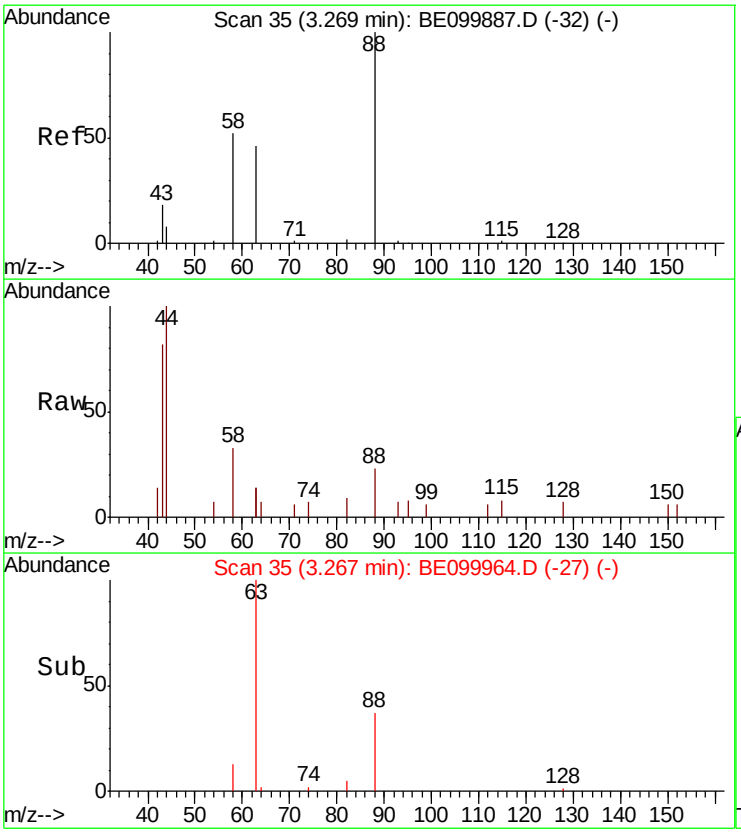

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:152 Resp: 866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 138.0 | 111.0 | 166.6 |
| 115 | 62.2 | 50.7 | 76.1 |

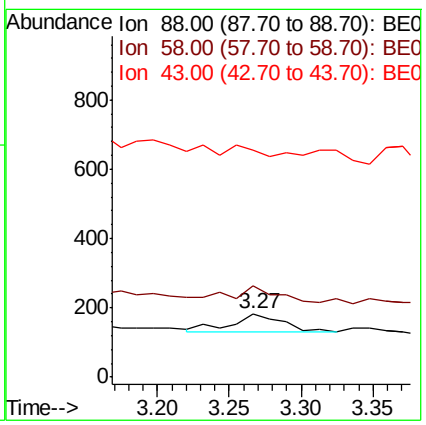


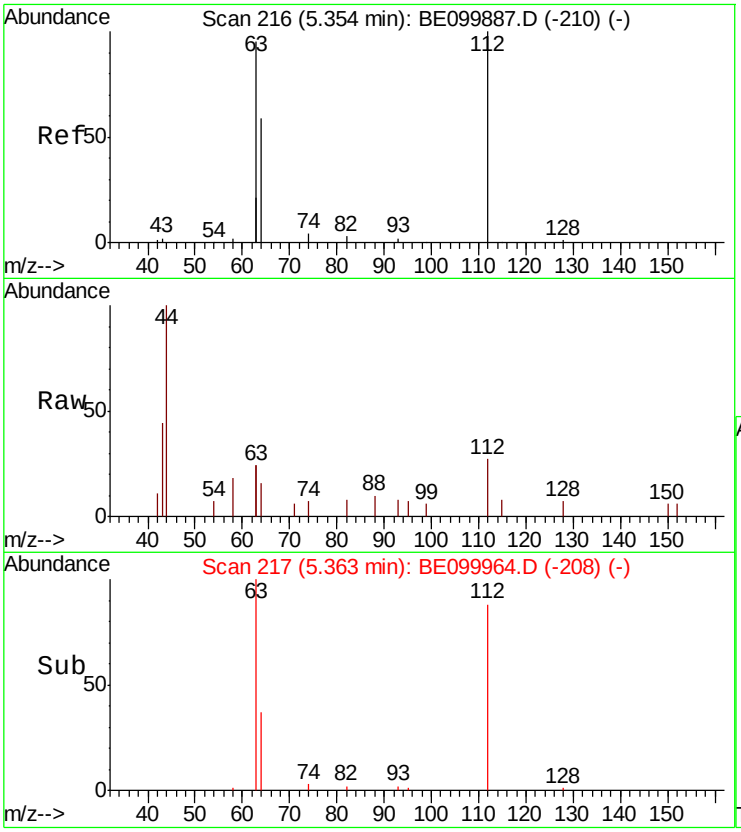




#2
1,4-Dioxane
Concen: 0.101 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion: 88 Resp: 130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.2 | 48.8 | 73.2# |
| 43 | 0.0 | 19.0 | 28.6# |



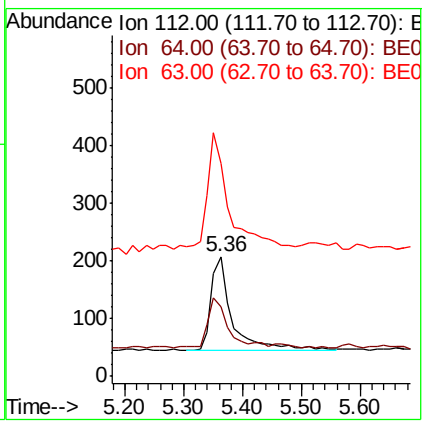


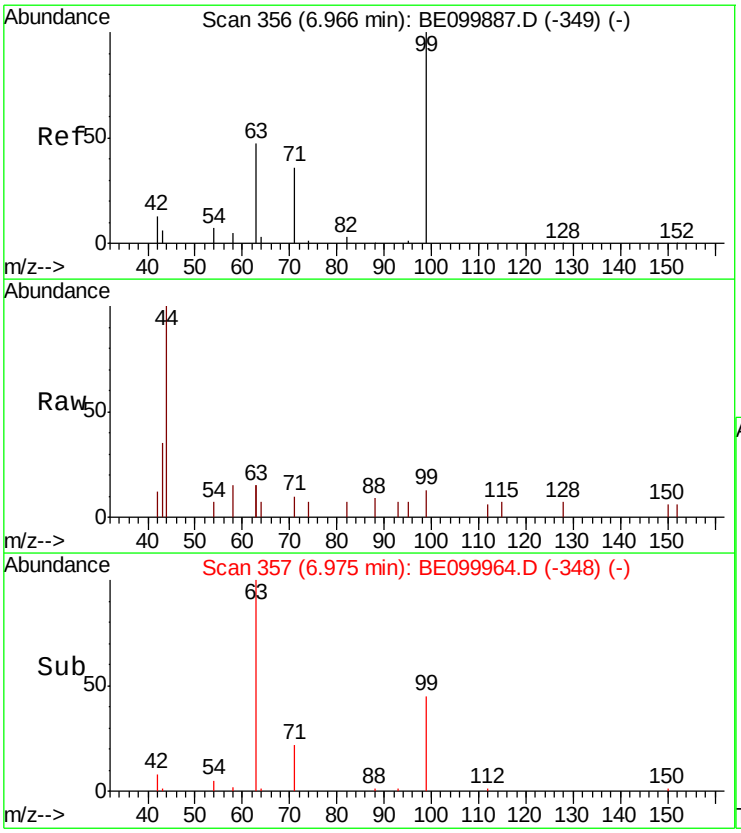

#4
2-Fluorophenol
Concen: 0.179 ng
RT: 5.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:112 Resp: 419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.5 | 44.1 | 66.1 |
| 63 | 124.1 | 87.8 | 131.6 |

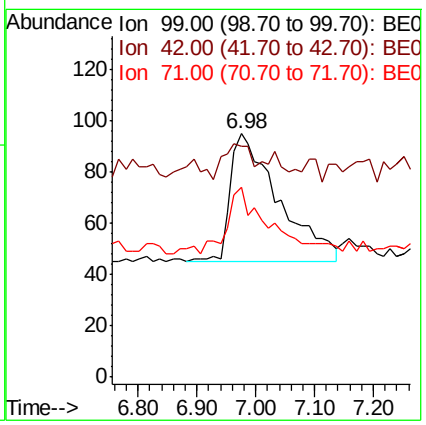


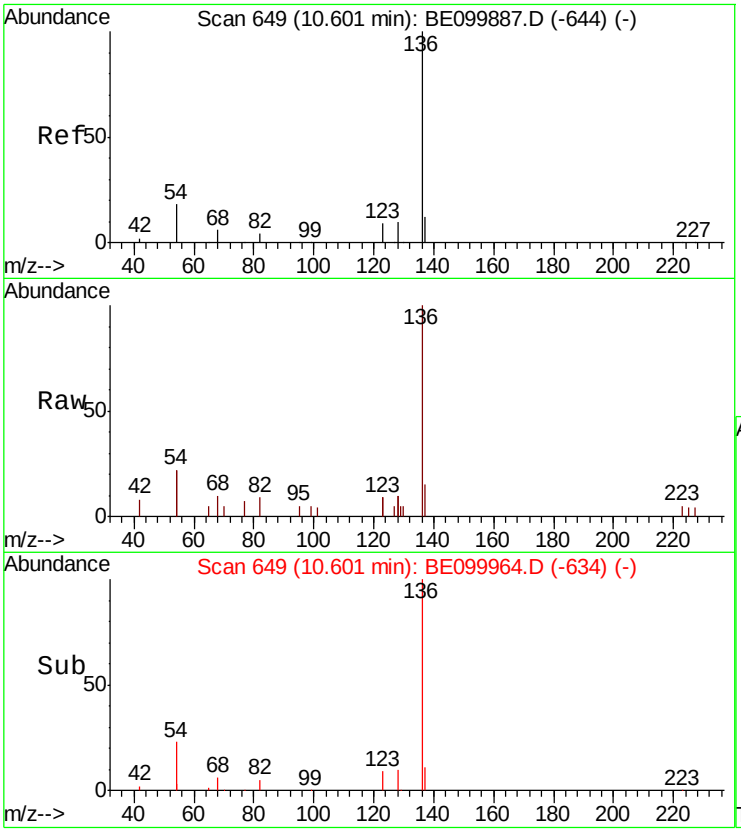




#5
Phenol-d6
Concen: 0.095 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion: 99 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.9 | 23.9 |
| 71 | 45.3 | 34.6 | 52.0 |



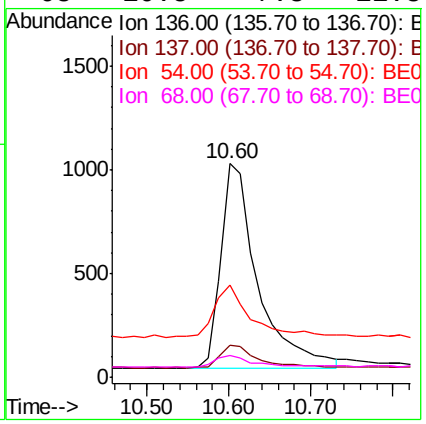


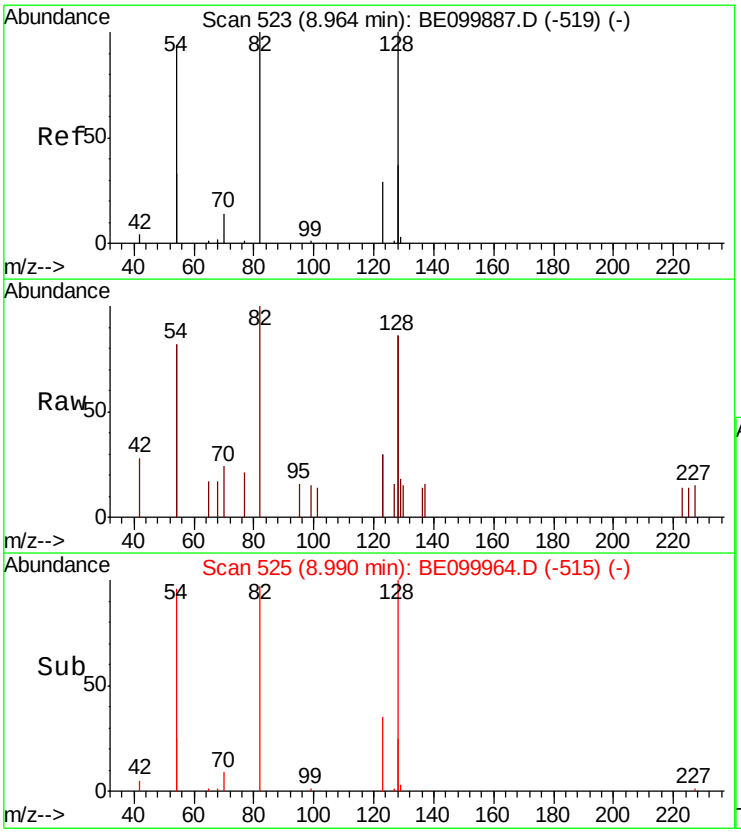

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:136 Resp: 3097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 14.8 | 12.3 | 18.5 |
| 54 | 43.1 | 28.2 | 42.4# |
| 68 | 10.5 | 7.8 | 11.8 |

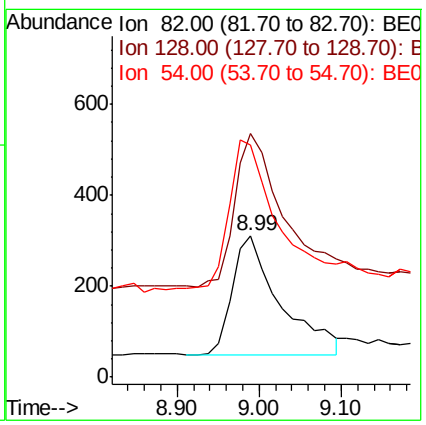


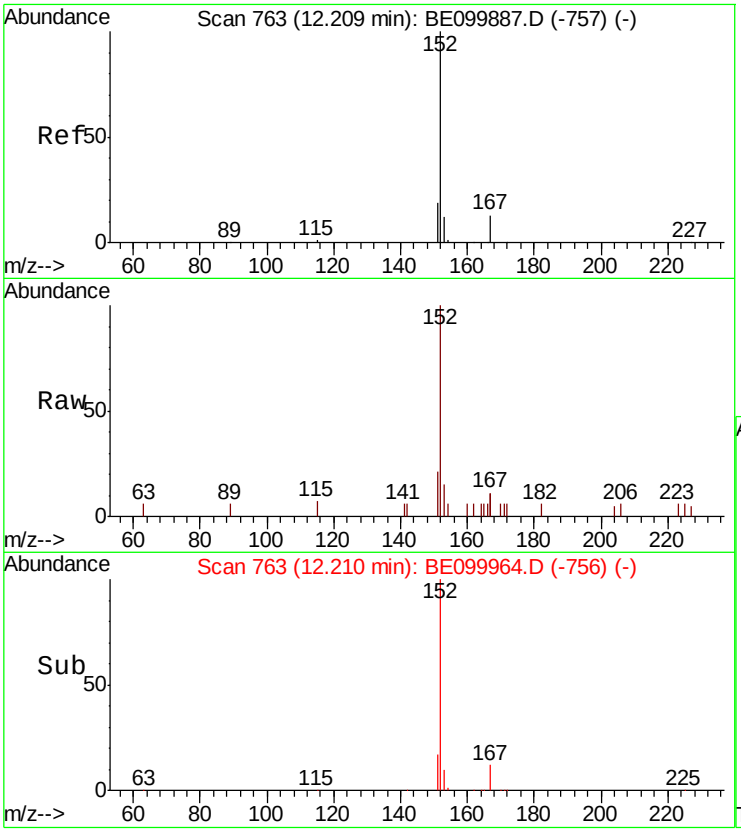




#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.03 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion: 82 Resp: 1068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 172.3 | 137.3 | 205.9 |
| 54 | 164.6 | 129.7 | 194.5 |



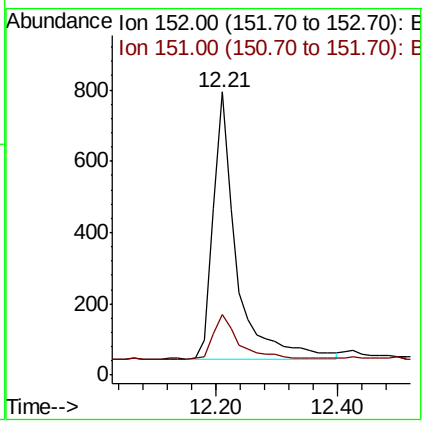


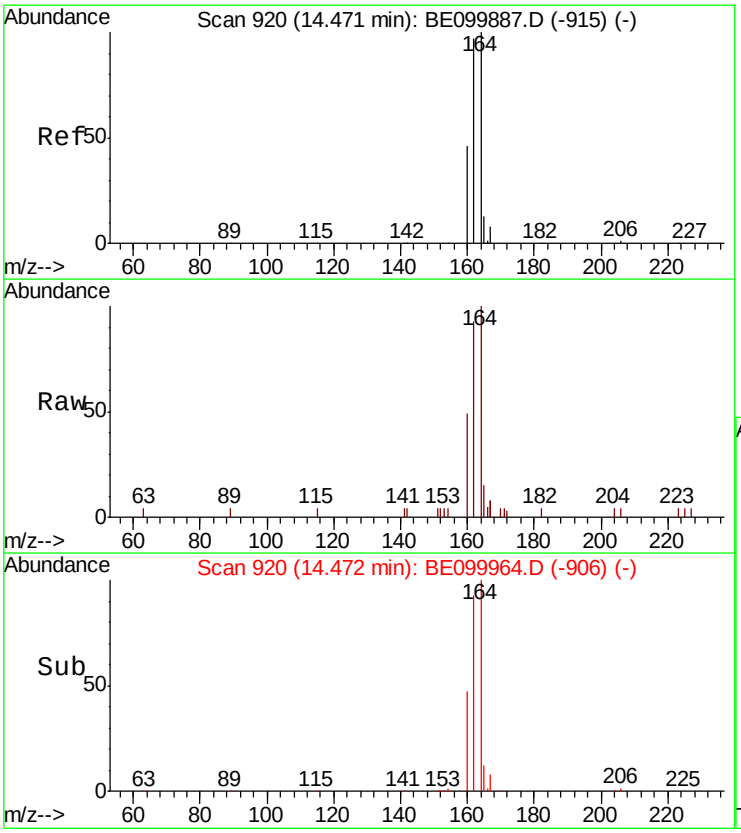

#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:152 Resp: 1967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.7 | 15.2 | 22.8 |

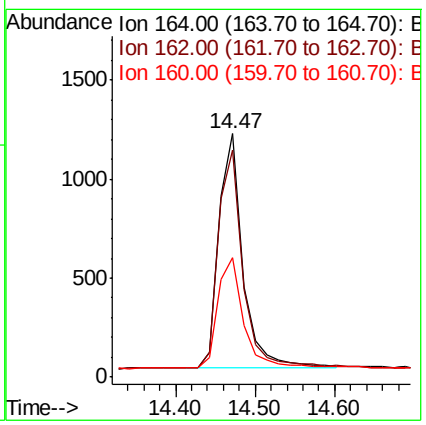


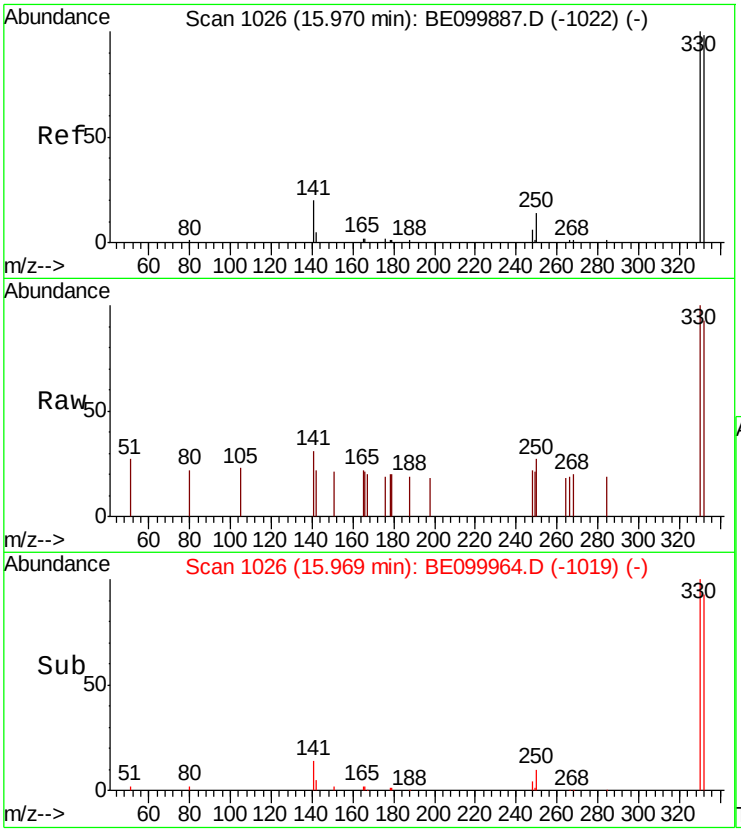




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:164 Resp: 2486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 93.0 | 77.8 | 116.8 |
| 160 | 48.9 | 38.2 | 57.4 |



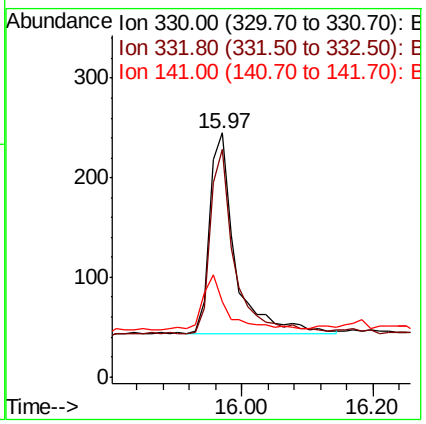


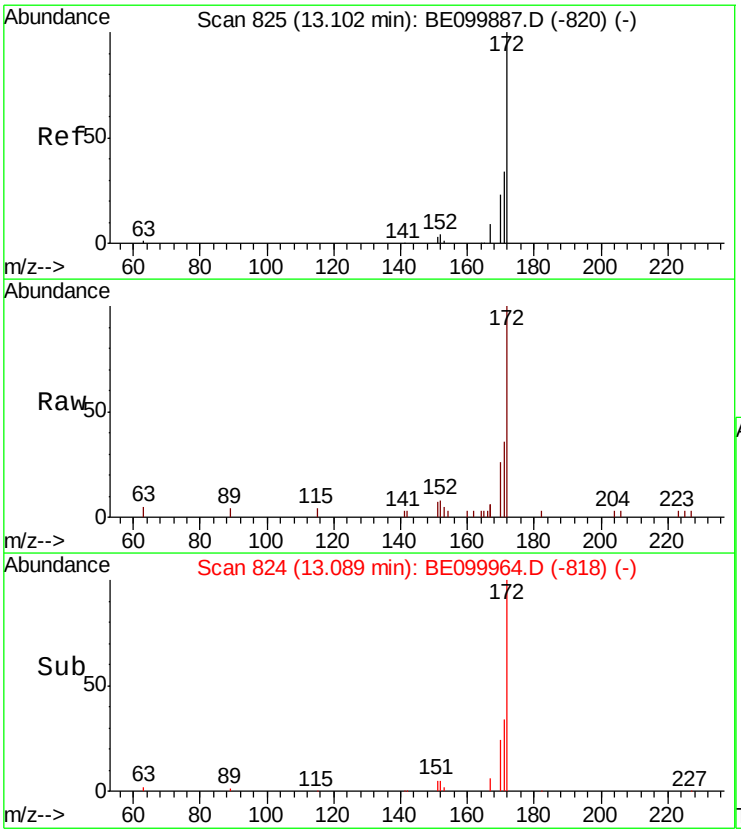

#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:330 Resp: 543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 88.8 | 76.7 | 115.1 |
| 141 | 22.1 | 21.0 | 31.6 |

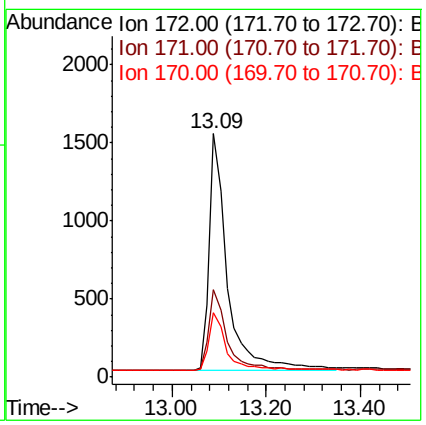


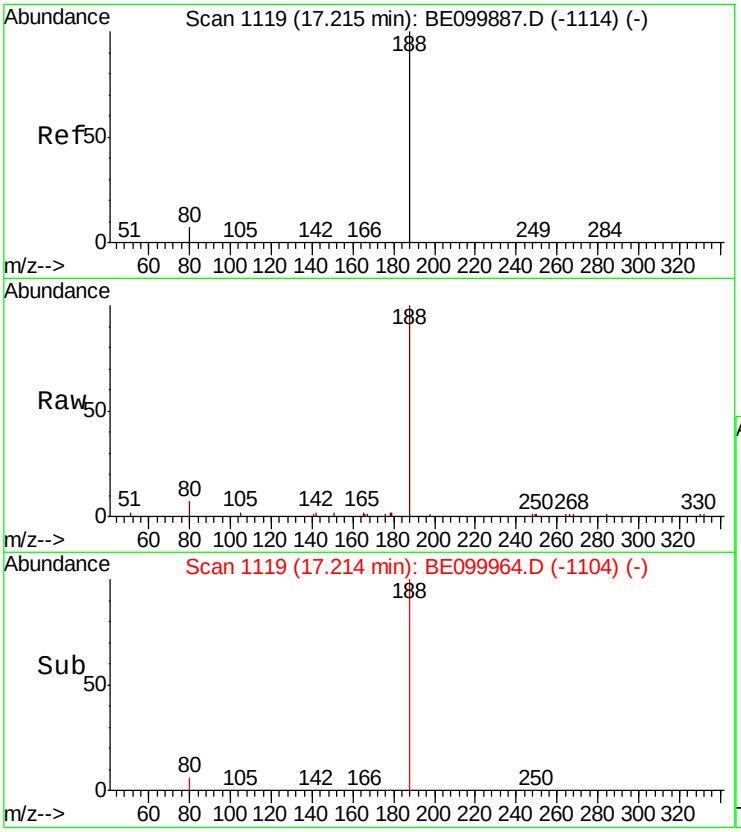




#15
2-Fluorobiphenyl
Concen: 0.430 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:172 Resp: 4051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 29.2 | 43.8 |
| 170 | 26.5 | 21.2 | 31.8 |



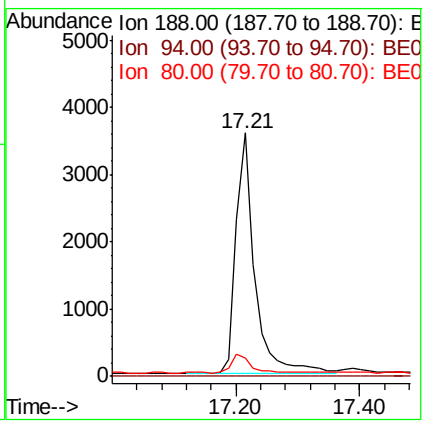


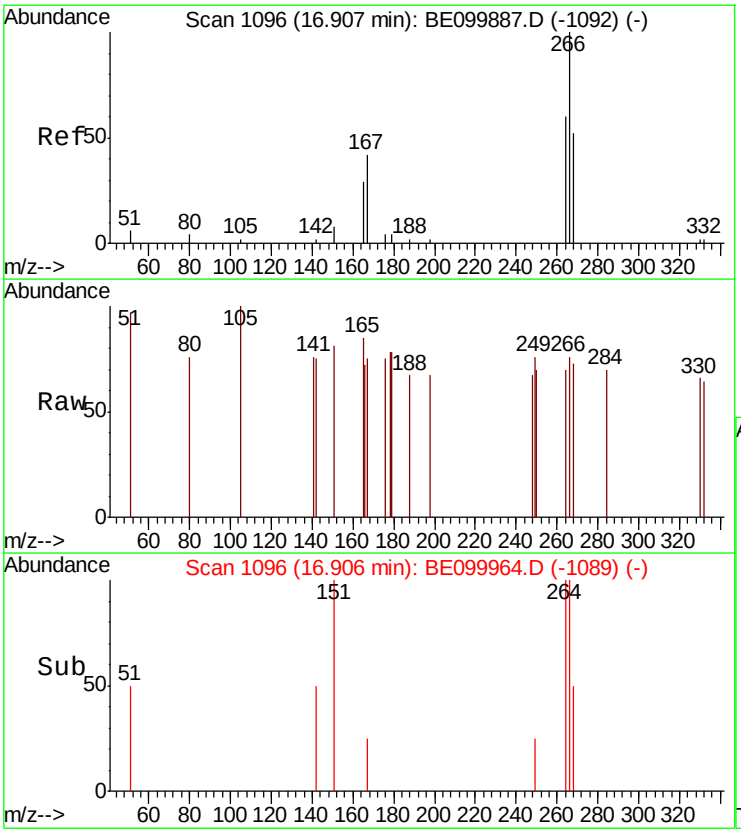

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:188 Resp: 7541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 7.3 | 6.4 | 9.6 |

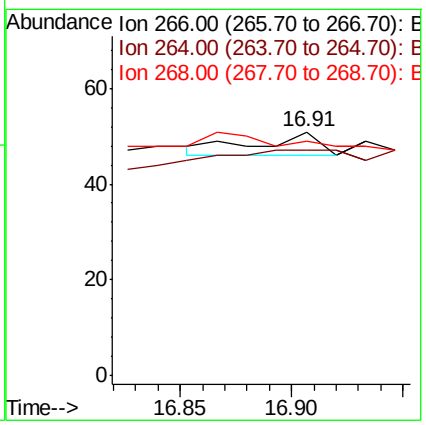


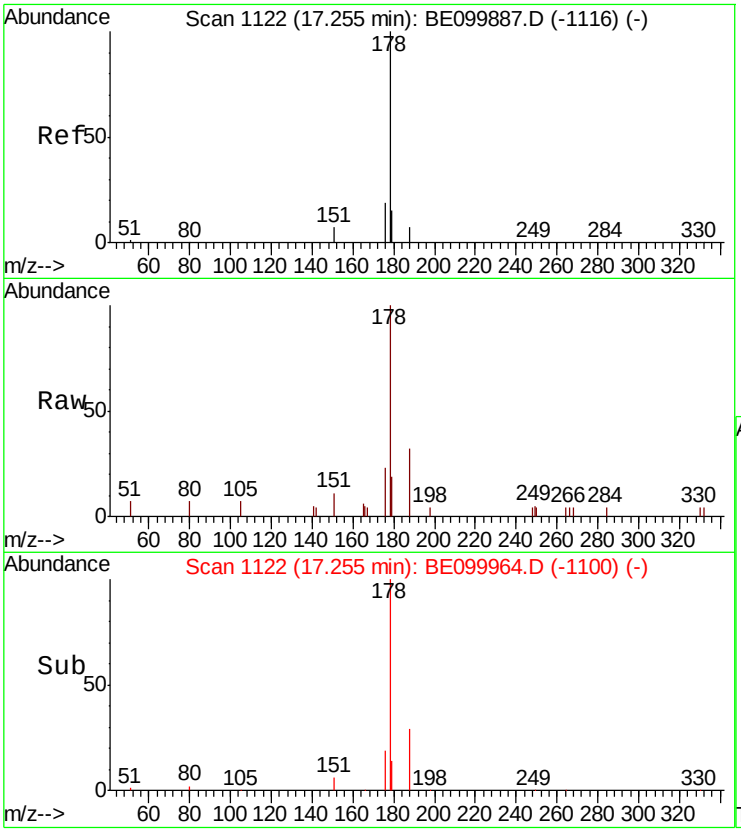




#22
Pentachlorophenol
Concen: 0.304 ng
RT: 16.91 min Scan# 1096
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:266 Resp: 10

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 92.2 | 62.2 | 93.2 |
| 268 | 96.1 | 65.5 | 98.3 |



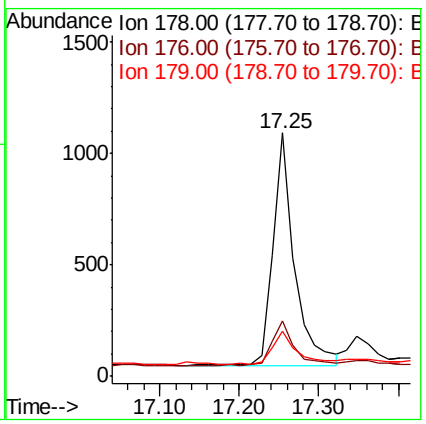


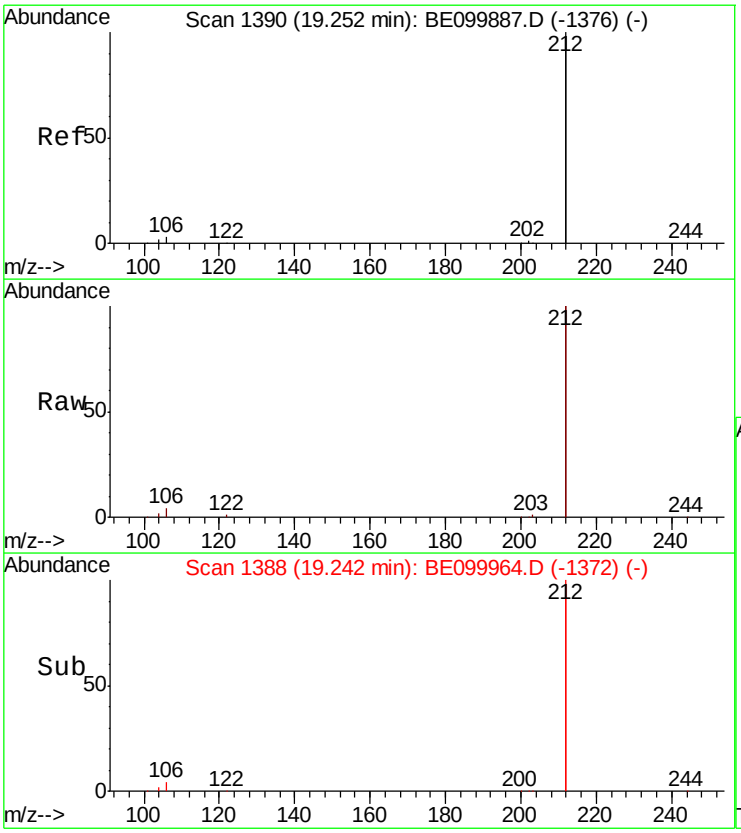

#23
Phenanthrene
Concen: 0.108 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:178 Resp: 1974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.6 | 15.8 | 23.8 |
| 179 | 15.2 | 12.4 | 18.6 |

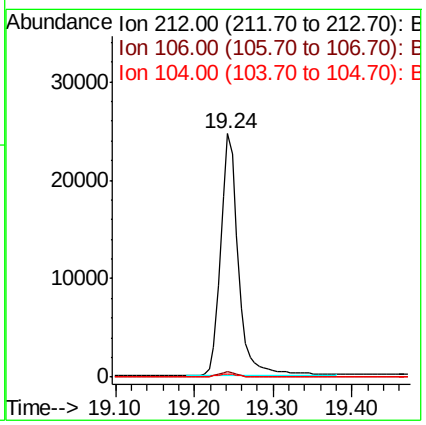


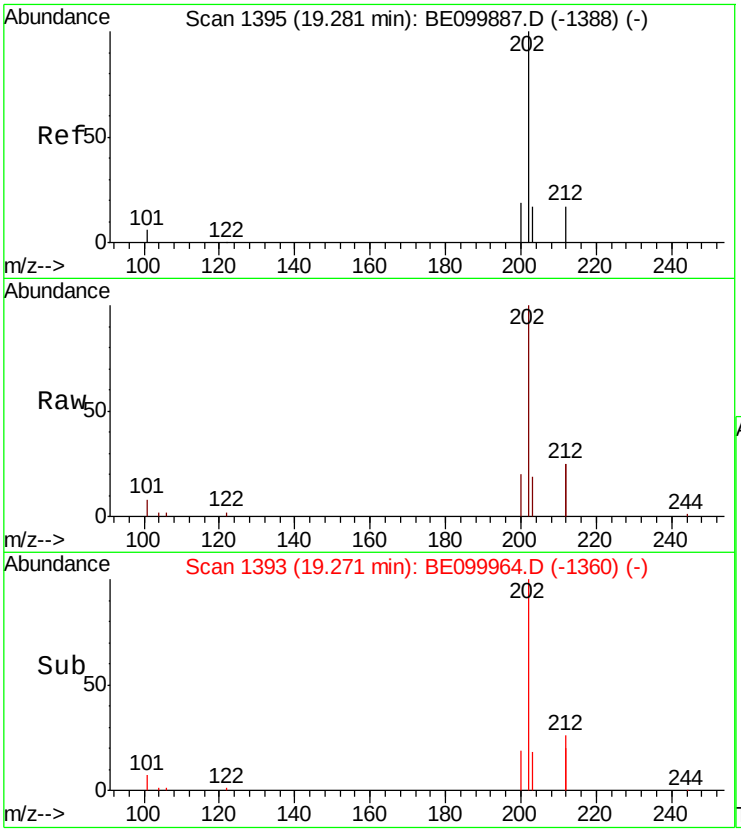




#25
Fluoranthene-d10
Concen: 0.347 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:212 Resp: 38179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 1.9 | 1.4 | 2.2 |
| 104 | 1.2 | 0.9 | 1.3 |



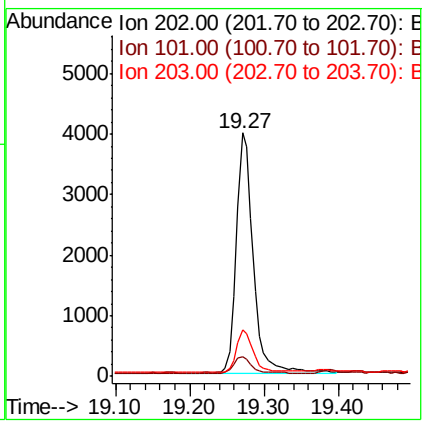


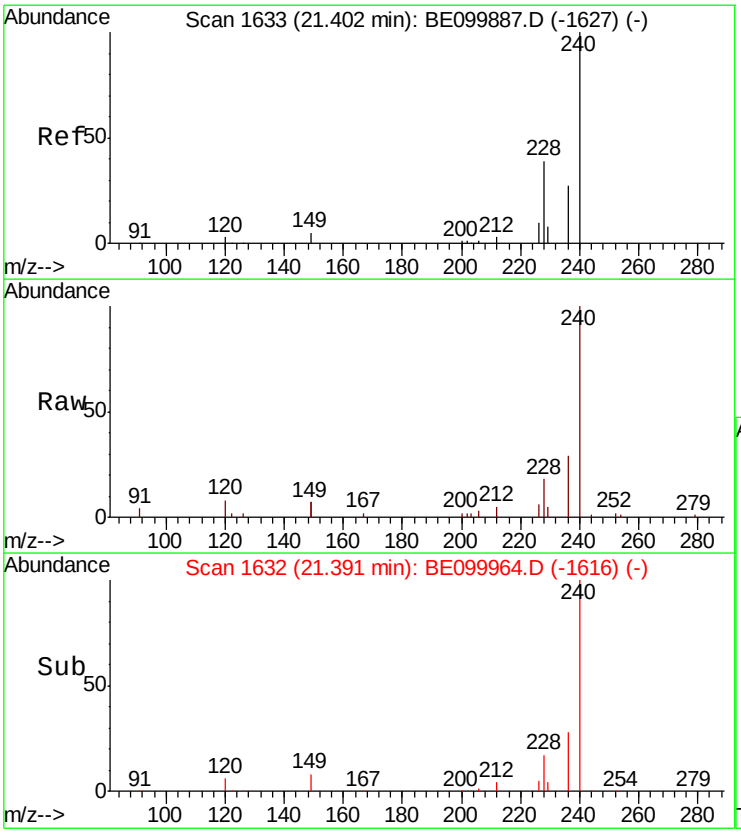

#26
Fluoranthene
Concen: 0.202 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:202 Resp: 6273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.3 | 5.4 | 8.0 |
| 203 | 17.1 | 13.2 | 19.8 |

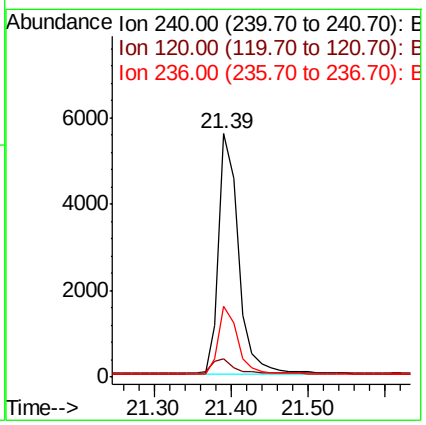


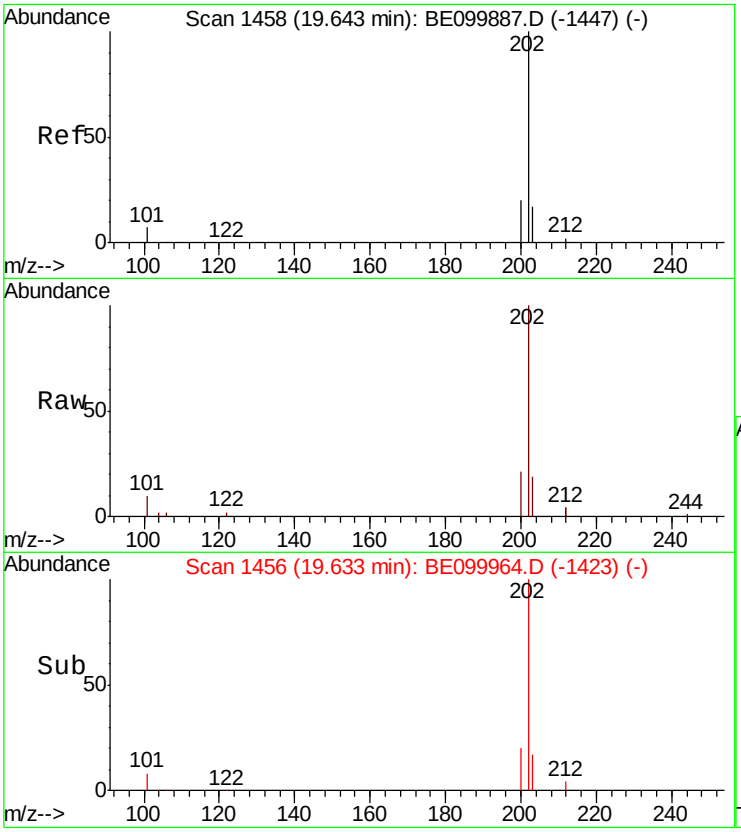




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:240 Resp: 10074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.6 | 3.8 | 5.6# |
| 236 | 29.0 | 22.0 | 33.0 |



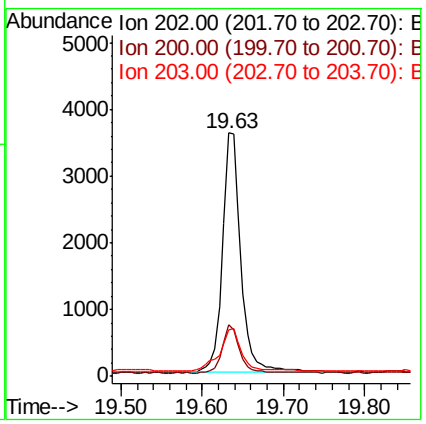


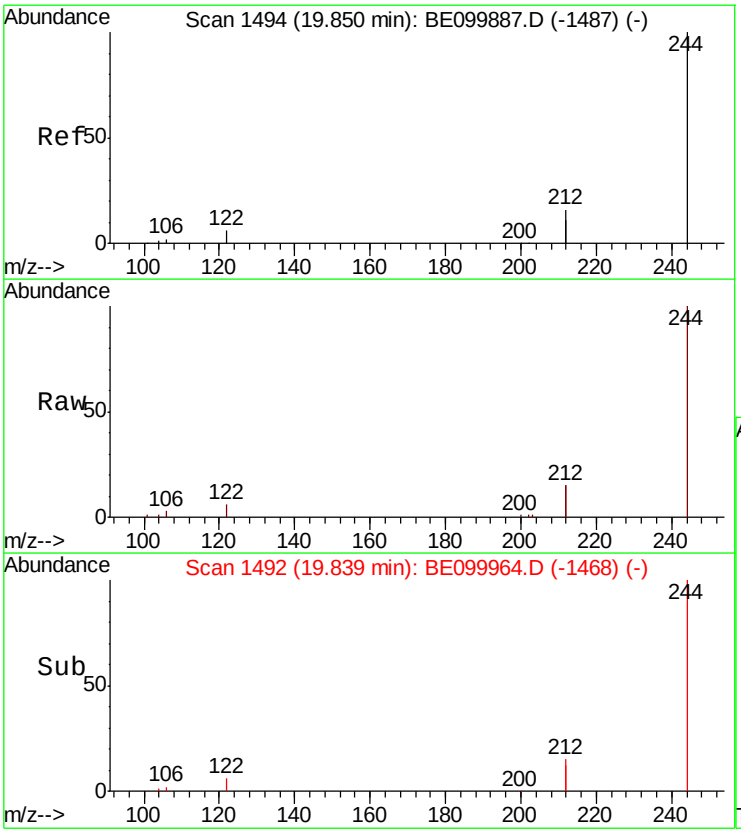

#28
Pyrene
Concen: 0.213 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:202 Resp: 5635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 18.9 | 15.5 | 23.3 |
| 203 | 21.1 | 14.0 | 21.0# |

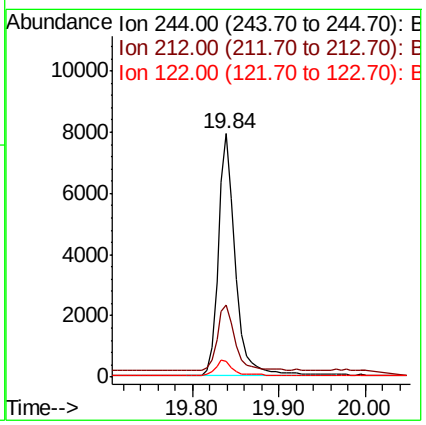


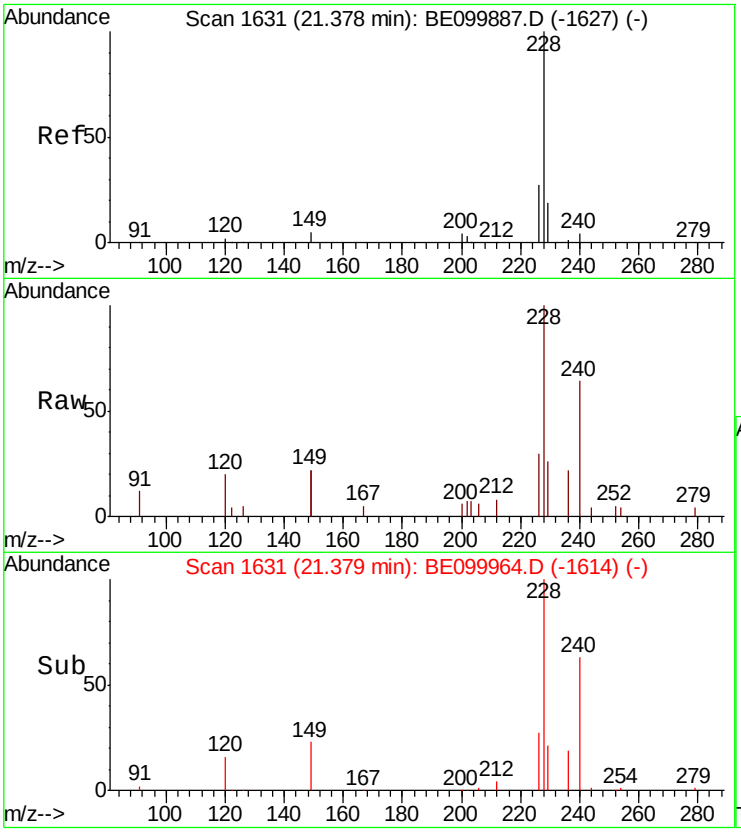




#29
Terphenyl-d14
Concen: 0.597 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:244 Resp: 10831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 29.5 | 25.7 | 38.5 |
| 122 | 6.3 | 5.5 | 8.3 |



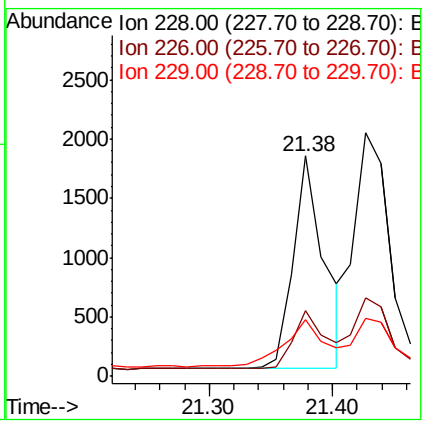


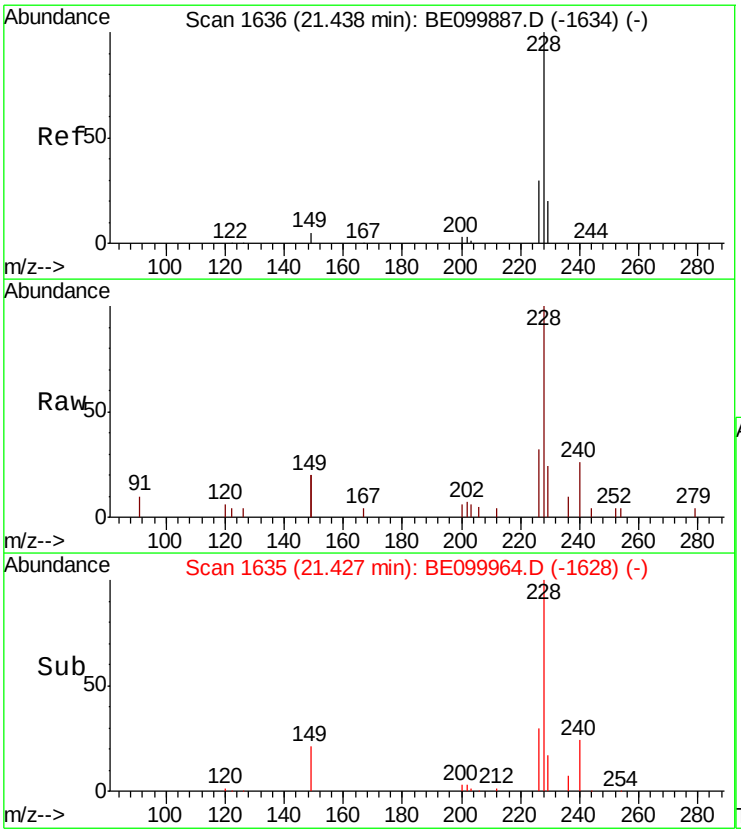

#30
Benzo(a)anthracene
Concen: 0.105 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:228 Resp: 3161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 22.5 | 33.7 |
| 229 | 25.6 | 15.9 | 23.9# |

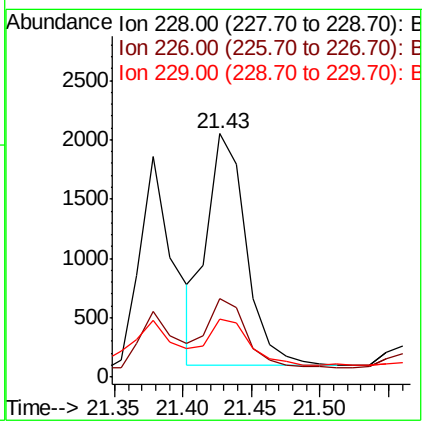


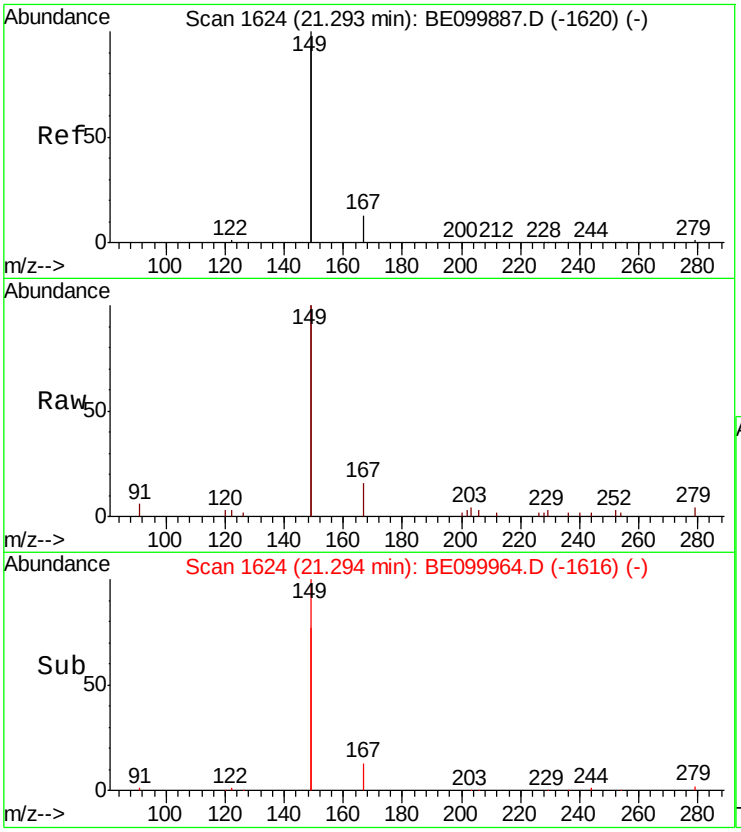




#31
Chrysene
Concen: 0.124 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:228 Resp: 3875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 24.1 | 36.1 |
| 229 | 24.1 | 16.1 | 24.1 |



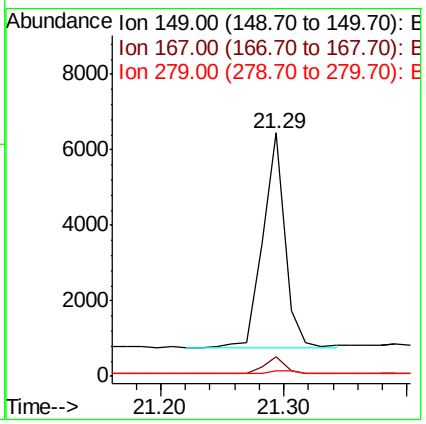


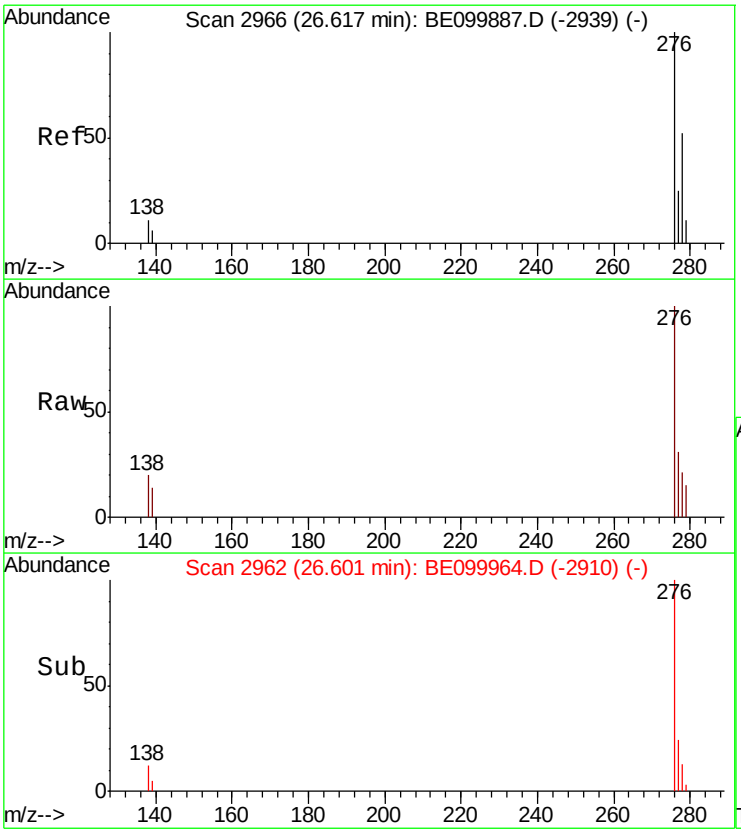

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.168 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:149 Resp: 7271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.0 | 5.9 | 8.9 |
| 279 | 1.5 | 1.2 | 1.8 |

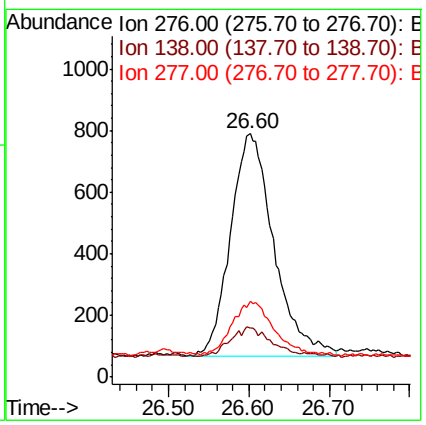


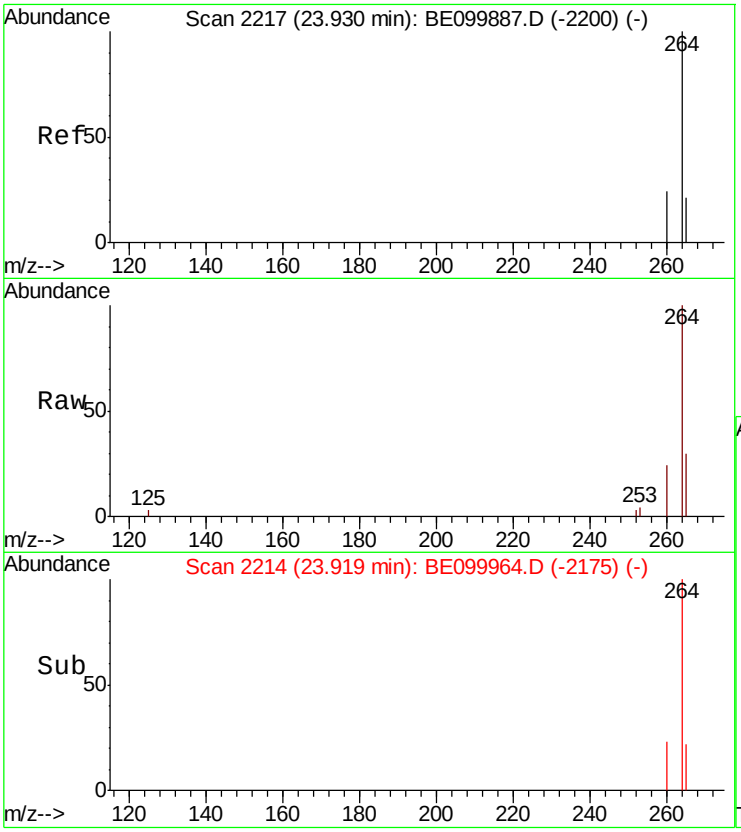




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng
RT: 26.60 min Scan# 2962
Delta R.T. -0.02 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:276 Resp: 2707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.6 | 10.1 | 15.1 |
| 277 | 23.1 | 19.1 | 28.7 |



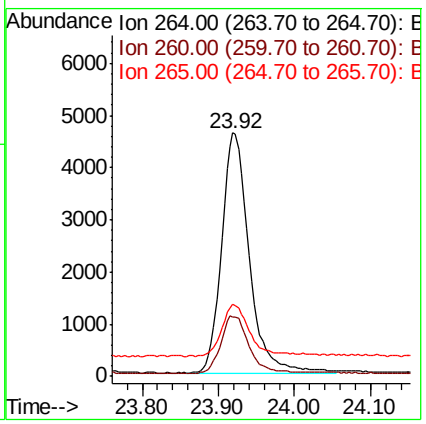


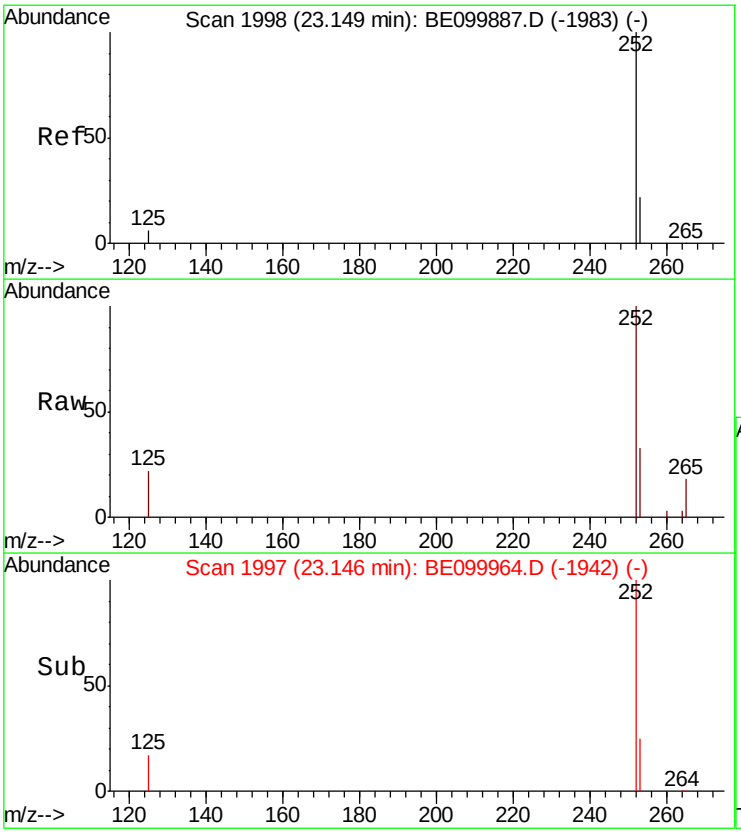

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:264 Resp: 11586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 20.2 | 30.2 |
| 265 | 29.6 | 22.0 | 33.0 |

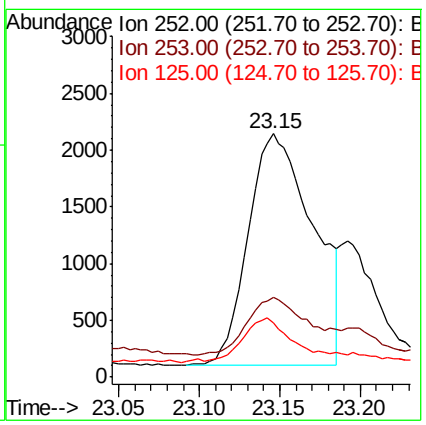


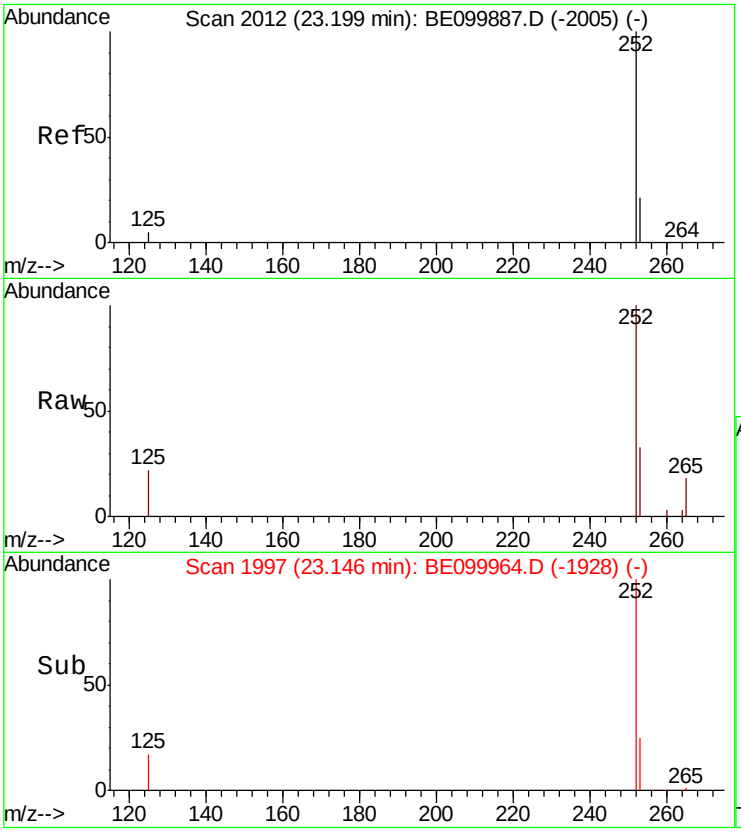




#35
Benzo(b)fluoranthene
Concen: 0.177 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:252 Resp: 5736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.9 | 18.7 | 28.1# |
| 125 | 22.5 | 5.7 | 8.5# |



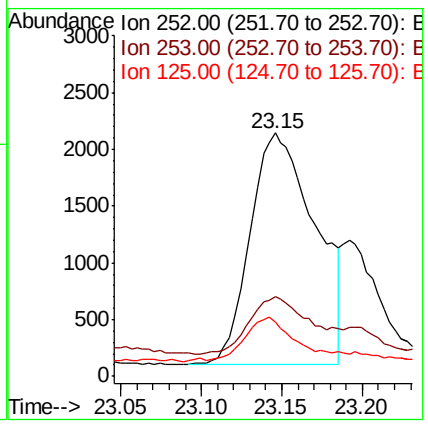


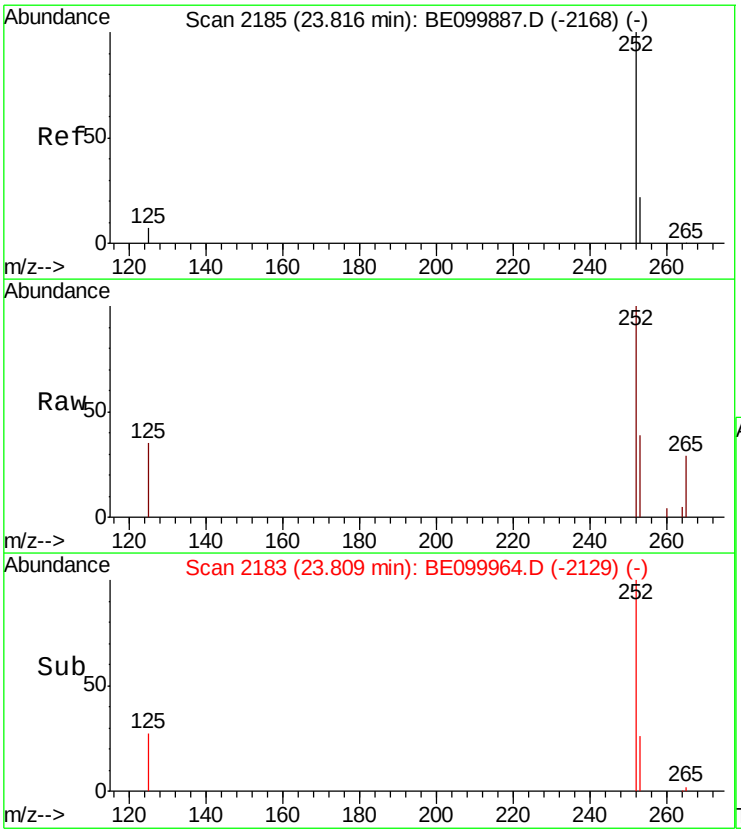

#36
Benzo(k)fluoranthene
Concen: 0.169 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.05 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:252 Resp: 5736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.9 | 18.6 | 28.0# |
| 125 | 22.5 | 5.4 | 8.0# |

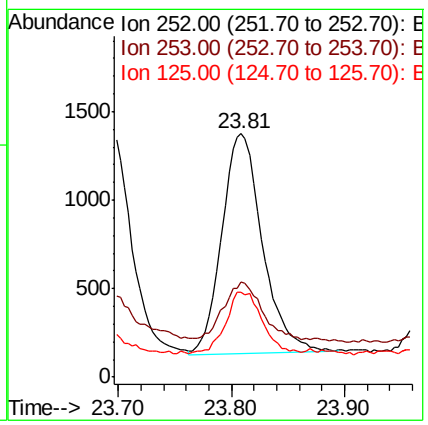


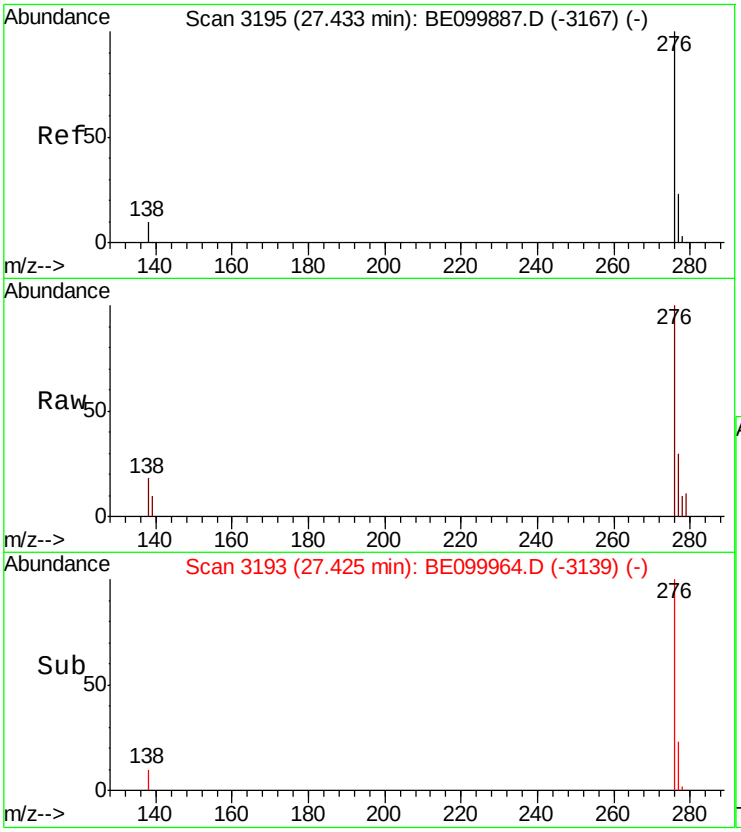




#37
Benzo(a)pyrene
Concen: 0.096 ng
RT: 23.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion:252 Resp: 3084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 39.3 | 19.6 | 29.4# |
| 125 | 34.7 | 6.6 | 10.0# |






#39
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 27.43 min Scan# 3193
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

**Instrument :**
BNA_E
**ClientSampleId :**
BP-HN-MW29IR-20190608

Tgt Ion:276 Resp: 2930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 29.8 | 19.5 | 29.3# |
| 138 | 17.6 | 9.5 | 14.3# |