Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
Data File : BE098347.D
Acq On : 11 Dec 2018 23:53
Operator : SJ/JU
Sample : J6314-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 12 17:25:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.86 | 152 | 1154 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.67 | 136 | 4896 | 0.40 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.53 | 164 | 3115 | 0.40 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.28 | 188 | 8373 | 0.40 | ng | 0.00 |
| 27) Chrysene-d12 | 21.46 | 240 | 10056 | 0.40 | ng | 0.00 |
| 34) Perylene-d12 | 24.00 | 264 | 9470 | 0.40 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.45 | 112 | 514 | 0.19 | ng | 0.00 |
| 5) Phenol-d6 | 7.04 | 99 | 384 | 0.10 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 9.03 | 82 | 2021 | 0.45 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 3340 | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.02 | 330 | 579 | 0.51 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 13.15 | 172 | 7629 | 0.58 | ng | 0.00 |
| 25) Fluoranthene-d10 | 19.30 | 212 | 48182 | 0.45 | ng | 0.00 |
| 29) Terphenyl-d14 | 19.90 | 244 | 16311 | 0.67 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 22) Pentachlorophenol | 16.95 | 266 | 27 | 0.053 | ng | # 68 |
| 26) Fluoranthene | 19.34 | 202 | 622 | 0.023 | ng | # 93 |
| 28) Pyrene | 19.70 | 202 | 636 | 0.020 | ng | 93 |
| 30) Benzo(a)anthracene | 21.45 | 228 | 650 | 0.023 | ng | # 79 |
| 31) Chrysene | 21.50 | 228 | 699 | 0.023 | ng | # 77 |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 5389 | 0.093 | ng | 99 |
| 35) Benzo(b)fluoranthene | 23.23 | 252 | 607 | 0.023 | ng | # 23 |
| 39) Benzo(g,h,i)perylene | 27.54 | 276 | 532 | 0.021 | ng | # 46 |

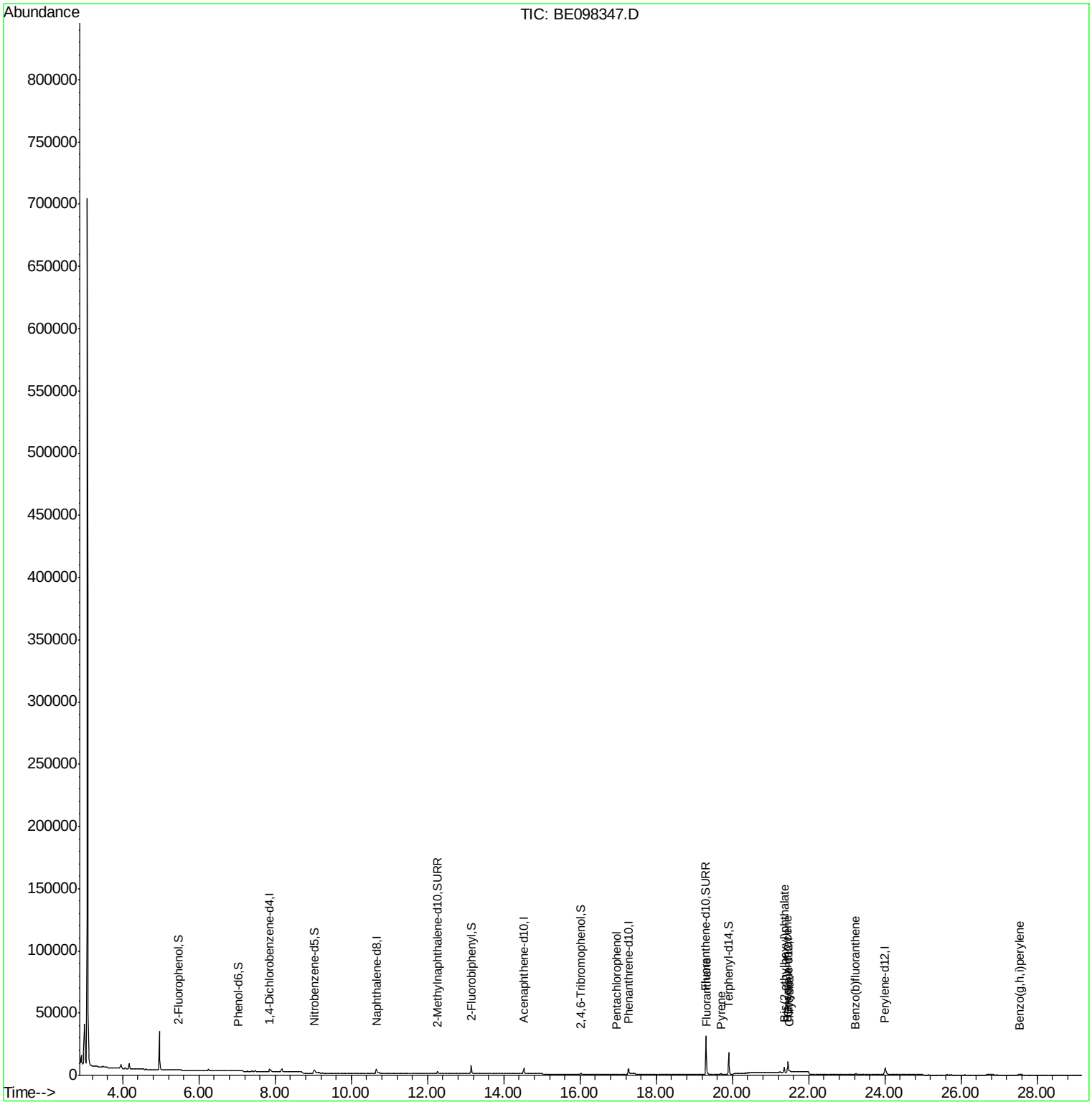
(#) = qualifier out of range (m) = manual integration (+) = signals summed

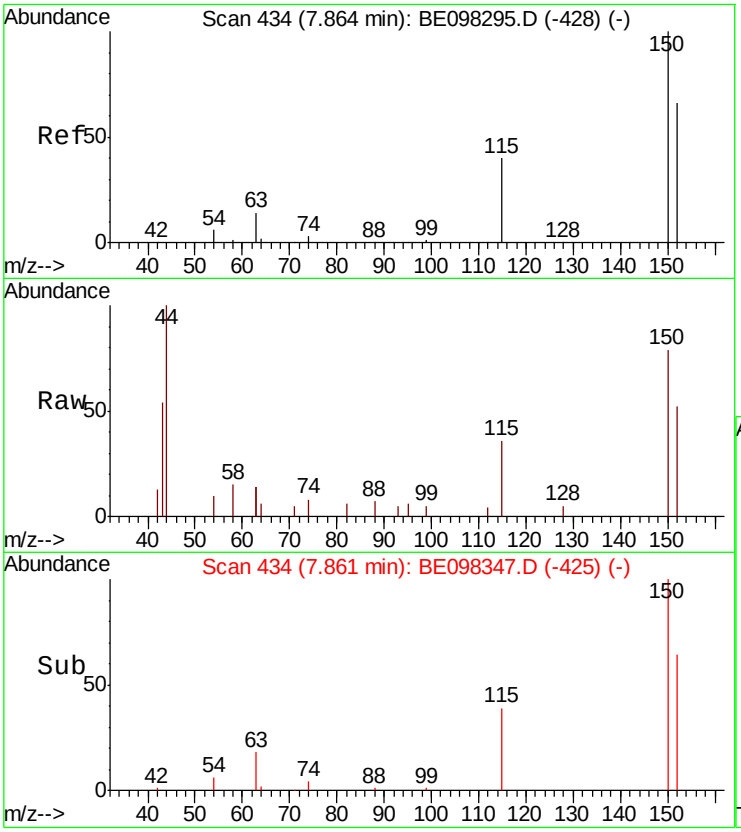
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
Data File : BE098347.D
Acq On : 11 Dec 2018 23:53
Operator : SJ/JU
Sample : J6314-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 12 17:25:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



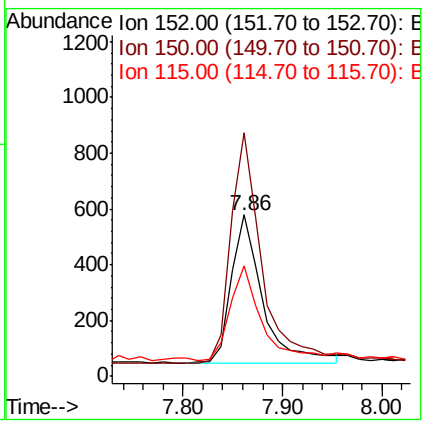


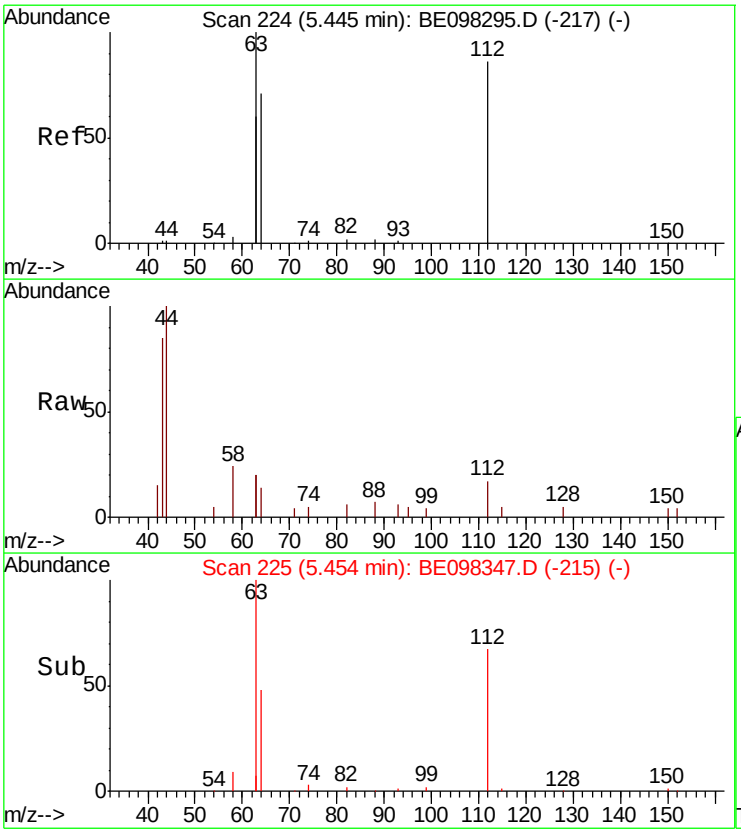

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:152 Resp: 1154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.8 | 124.2 | 186.4 |
| 115 | 68.4 | 53.9 | 80.9 |

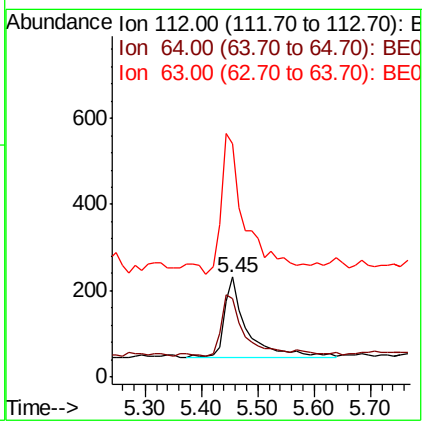


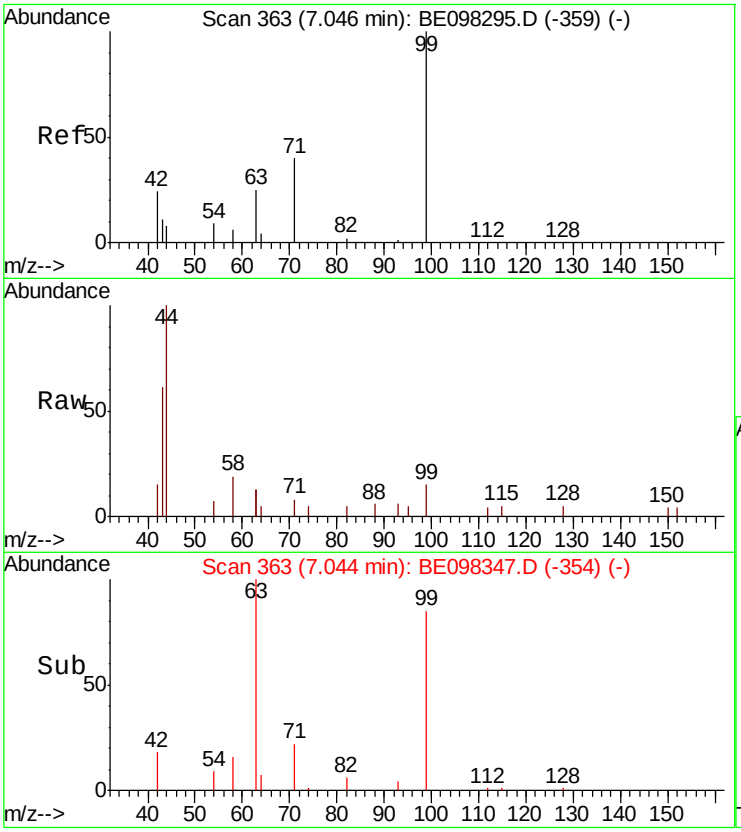




#4
2-Fluorophenol
Concen: 0.190 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:112 Resp: 514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 77.4 | 59.8 | 89.8 |
| 63 | 196.5 | 133.7 | 200.5 |



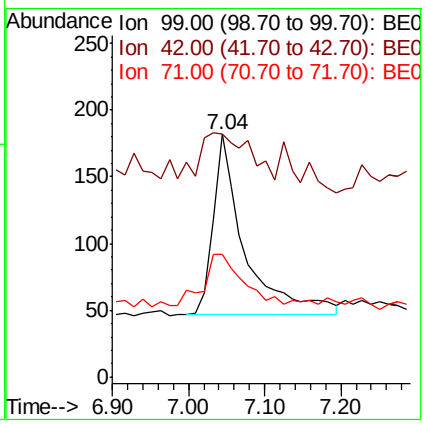


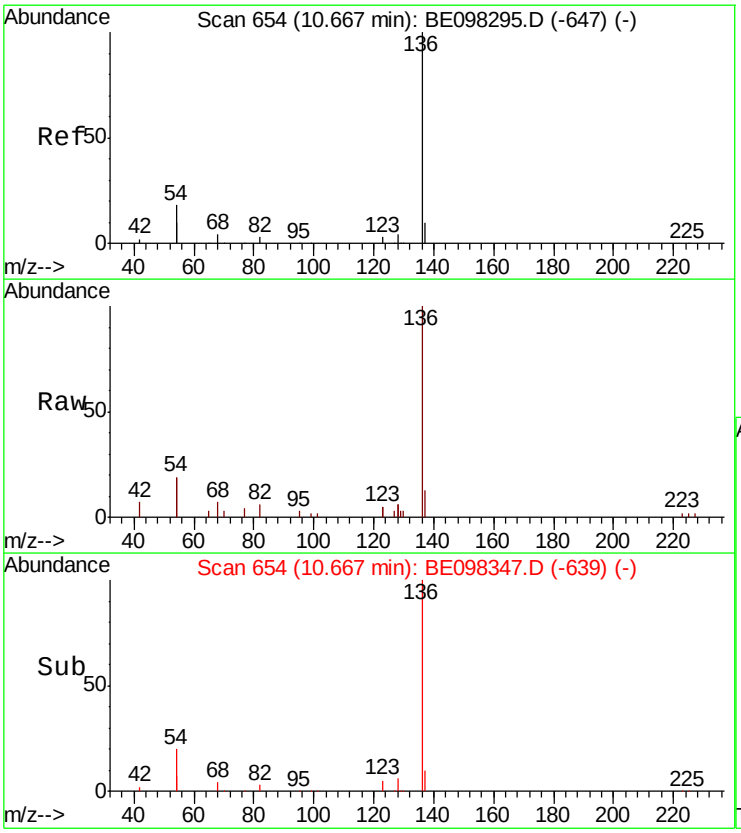

#5
Phenol-d6
Concen: 0.100 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion: 99 Resp: 384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 39.3 | 26.3 | 39.5 |
| 71 | 34.9 | 33.6 | 50.4 |

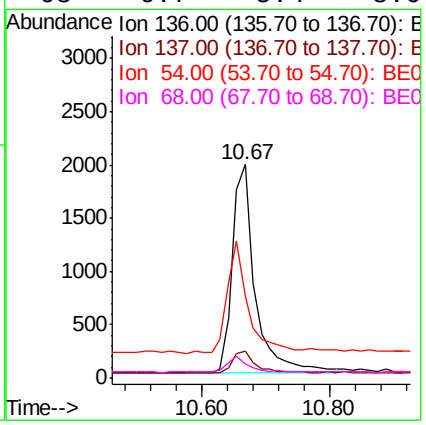


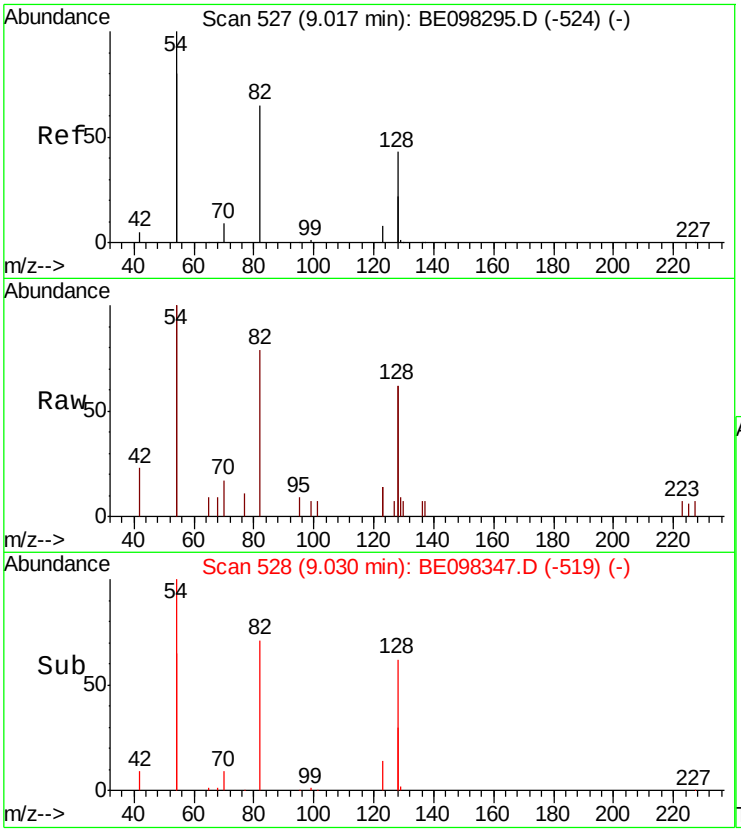




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:136 Resp: 4896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.7 | 9.2 | 13.8 |
| 54 | 38.1 | 28.4 | 42.6 |
| 68 | 6.7 | 5.4 | 8.0 |



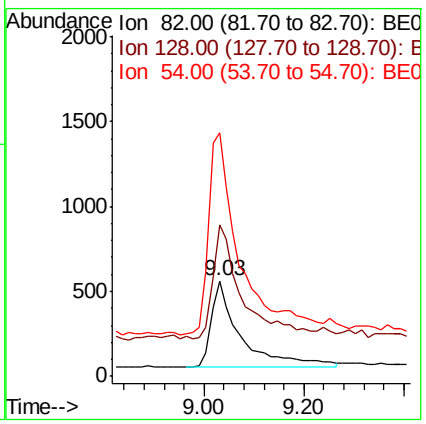


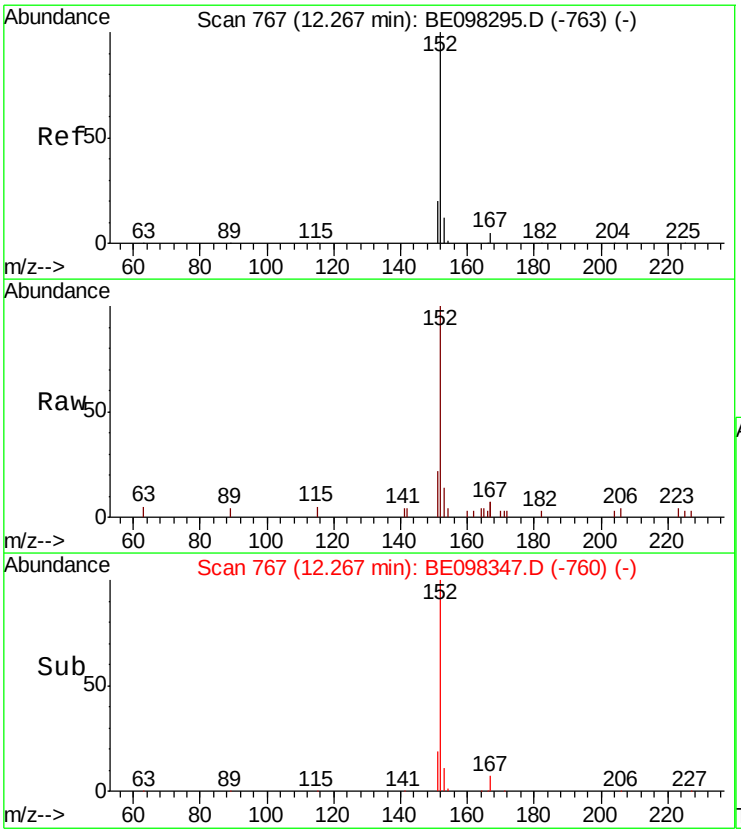

#8
Nitrobenzene-d5
Concen: 0.453 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion: 82 Resp: 2021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 158.1 | 102.4 | 153.6# |
| 54 | 254.7 | 221.8 | 332.8 |

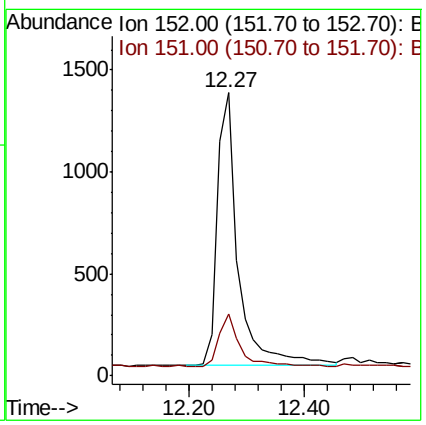


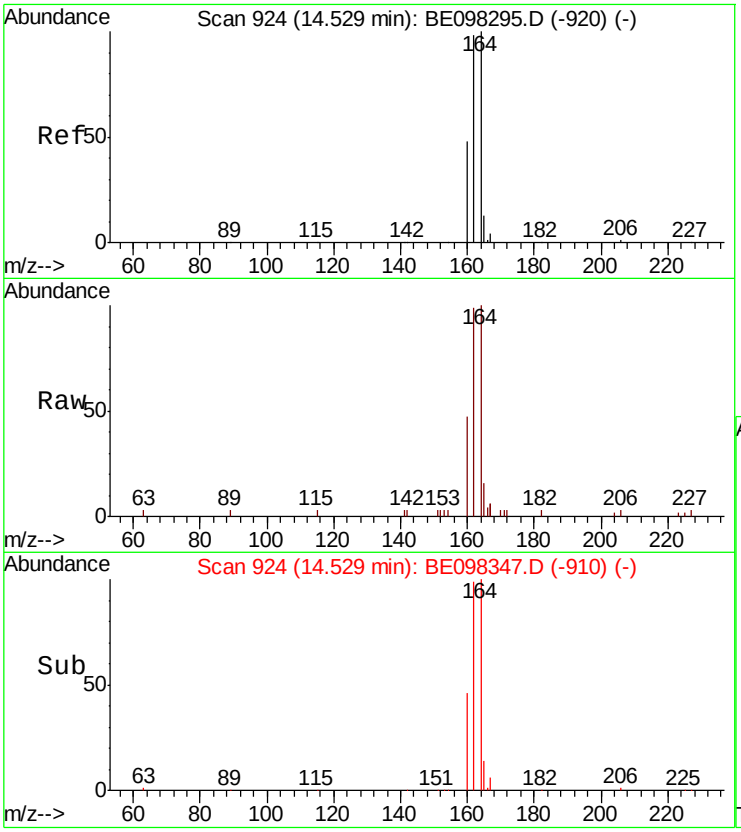




#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:152 Resp: 3340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 16.2 | 24.4 |



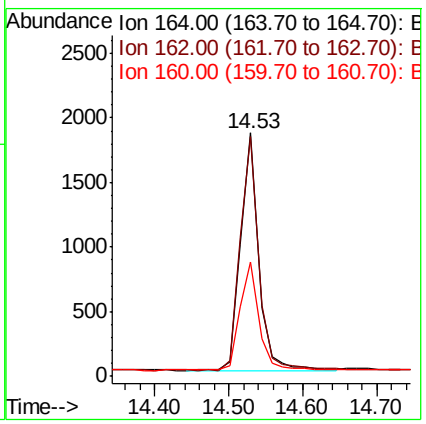


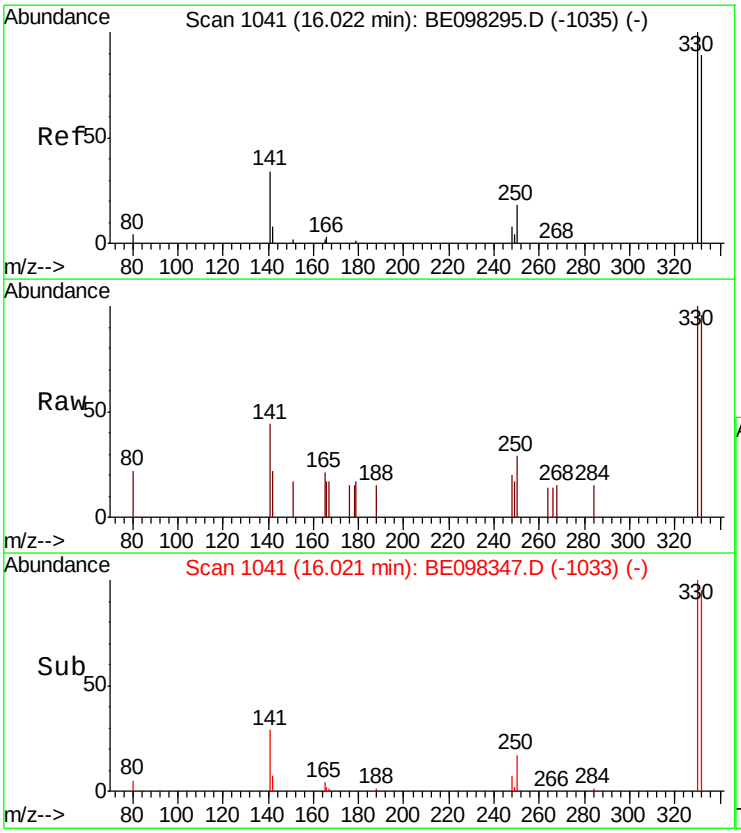

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:164 Resp: 3115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 77.6 | 116.4 |
| 160 | 47.1 | 36.0 | 54.0 |

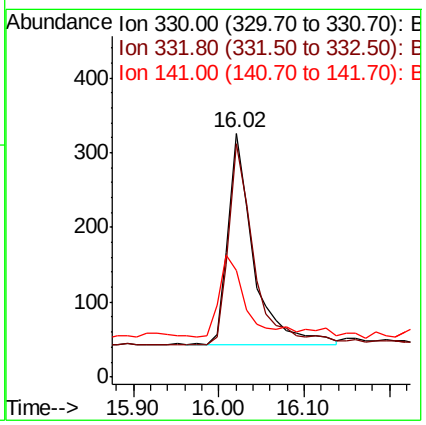


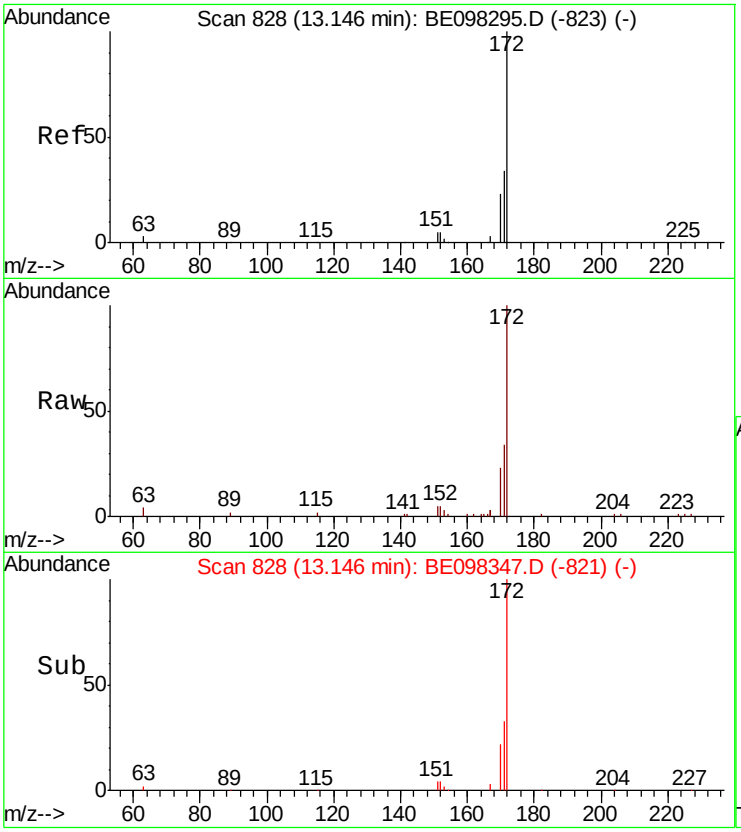




#14
2,4,6-Tribromophenol
Concen: 0.506 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:330 Resp: 579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 76.2 | 114.4 |
| 141 | 48.9 | 39.0 | 58.4 |



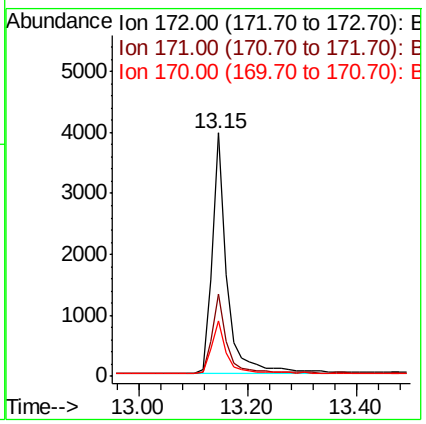


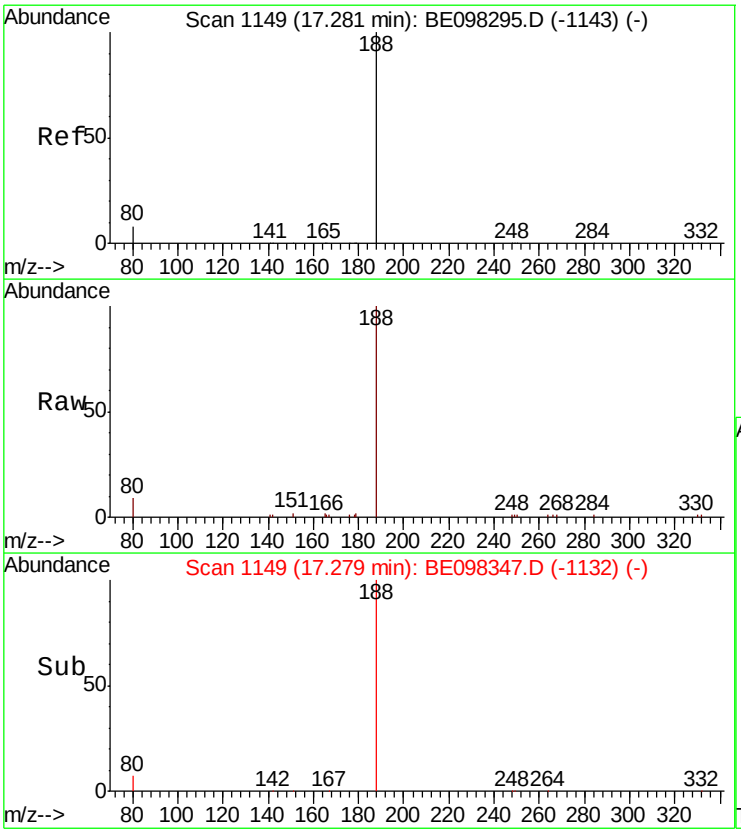

#15
2-Fluorobiphenyl
Concen: 0.581 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:172 Resp: 7629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 27.5 | 41.3 |
| 170 | 22.8 | 19.6 | 29.4 |

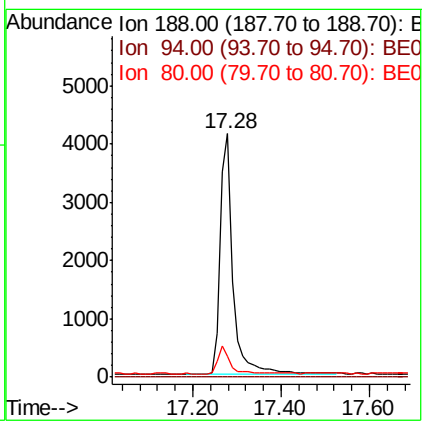


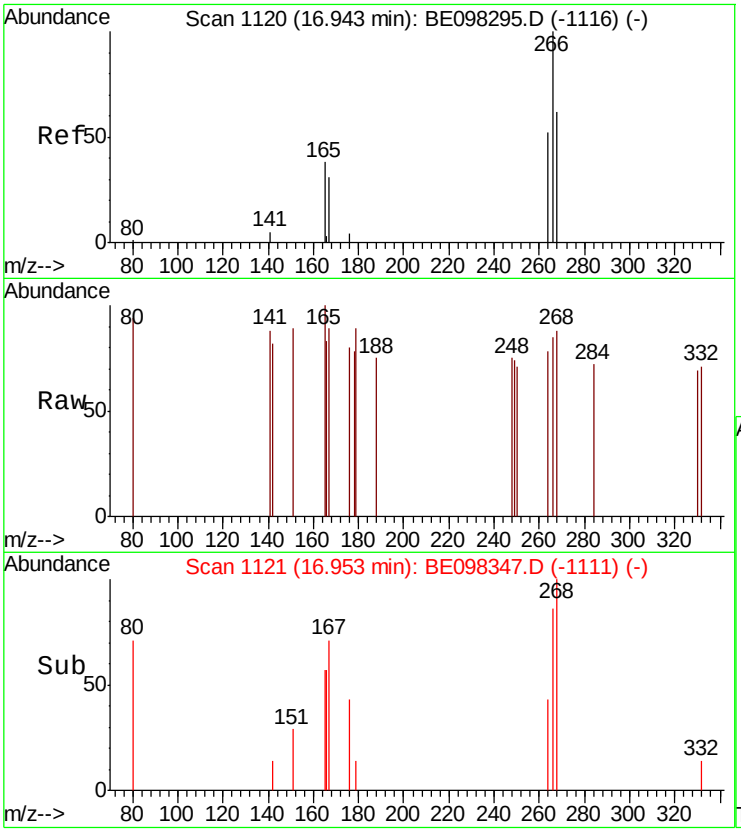




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:188 Resp: 8373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 8.7 | 7.2 | 10.8 |



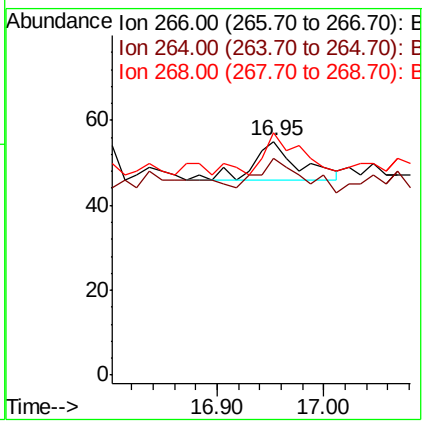


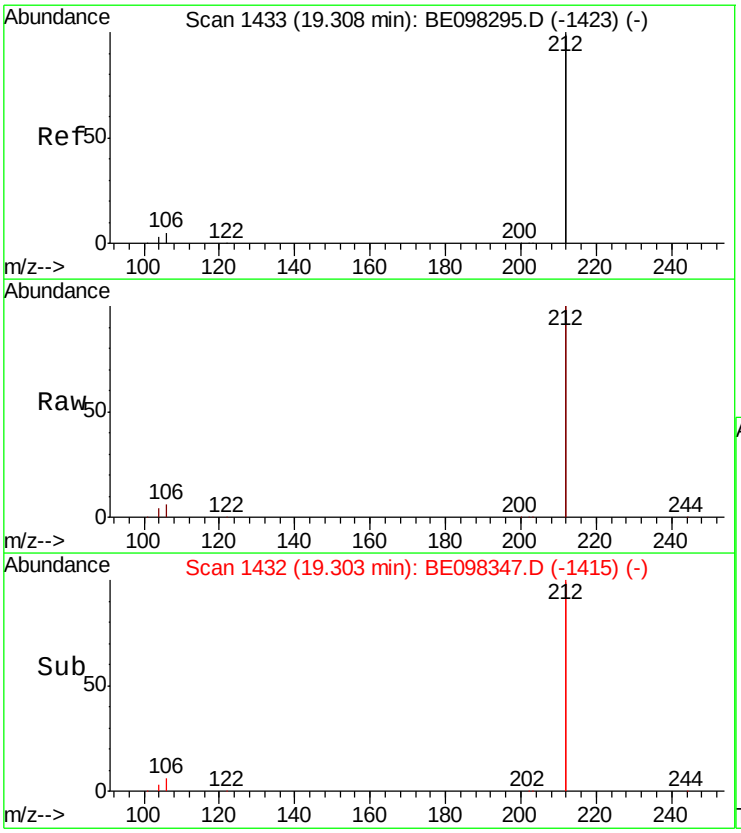

#22
Pentachlorophenol
Concen: 0.053 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:266 Resp: 27

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 92.7 | 59.0 | 88.4# |
| 268 | 103.6 | 55.1 | 82.7# |

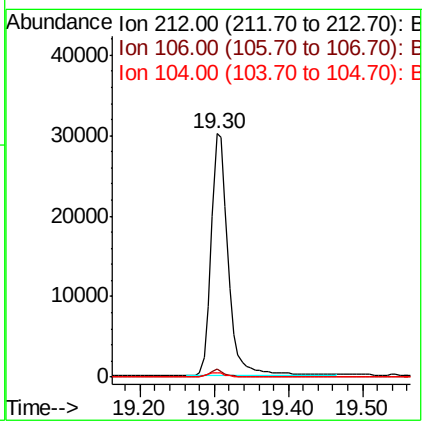


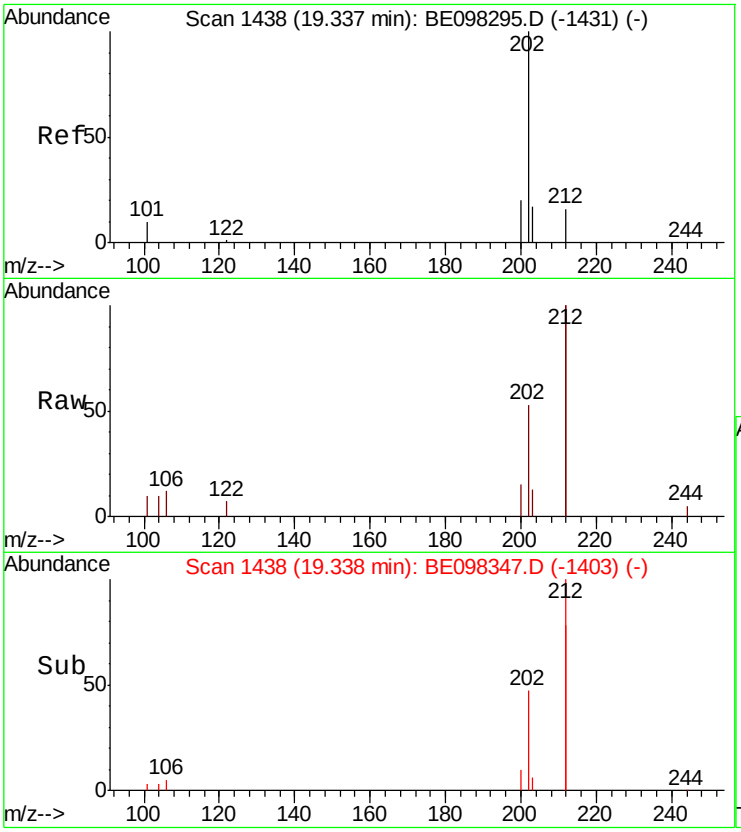




#25
Fluoranthene-d10
Concen: 0.449 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:212 Resp: 48182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 2.6 | 2.2 | 3.2 |
| 104 | 1.6 | 1.3 | 1.9 |



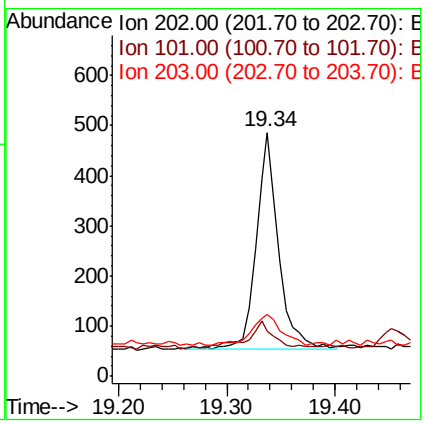


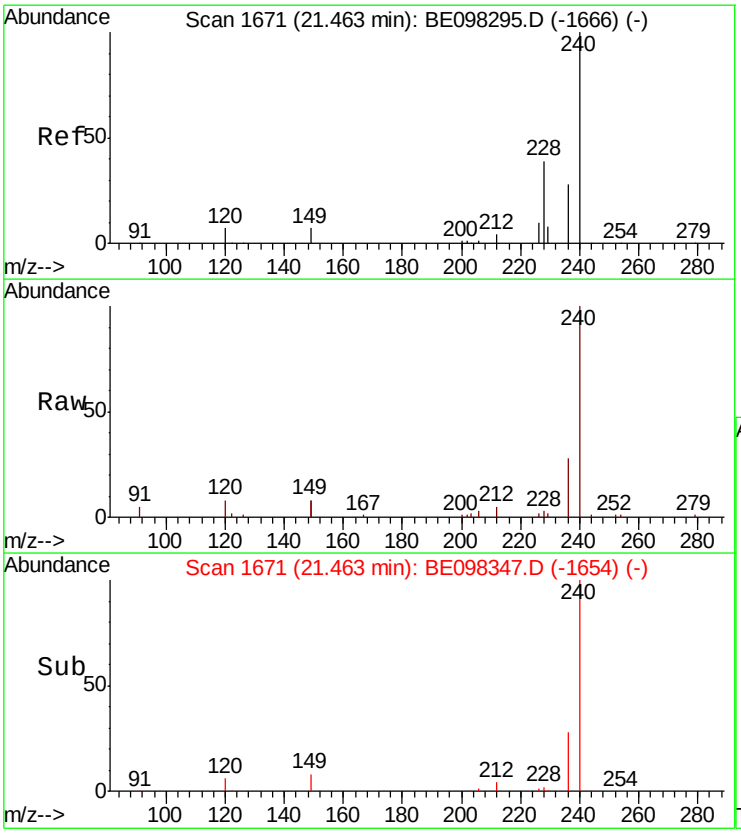

#26
Fluoranthene
Concen: 0.023 ng
RT: 19.34 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:202 Resp: 622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.7 | 8.0 | 12.0# |
| 203 | 19.5 | 13.8 | 20.6 |

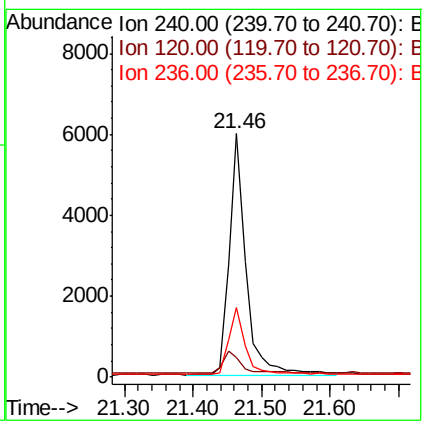


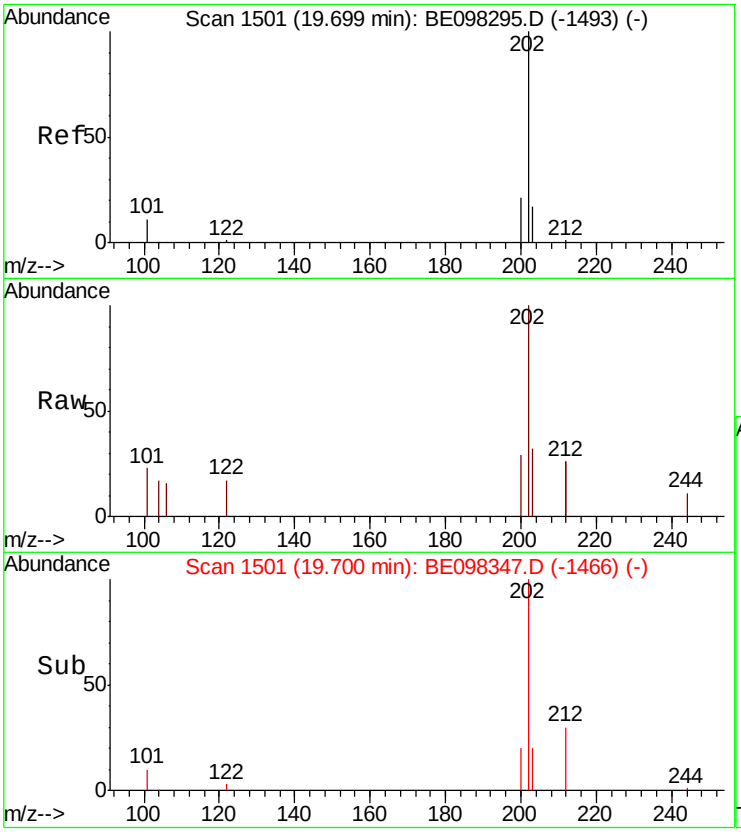




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:240 Resp: 10056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.2 | 9.5 | 14.3# |
| 236 | 28.4 | 22.7 | 34.1 |



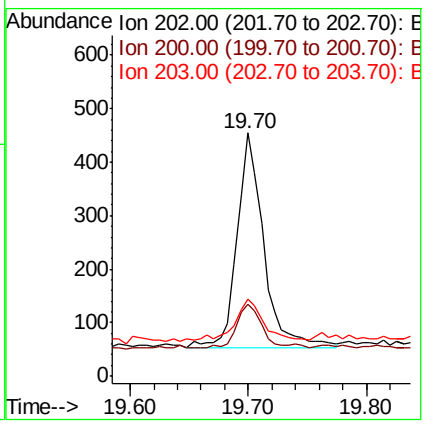


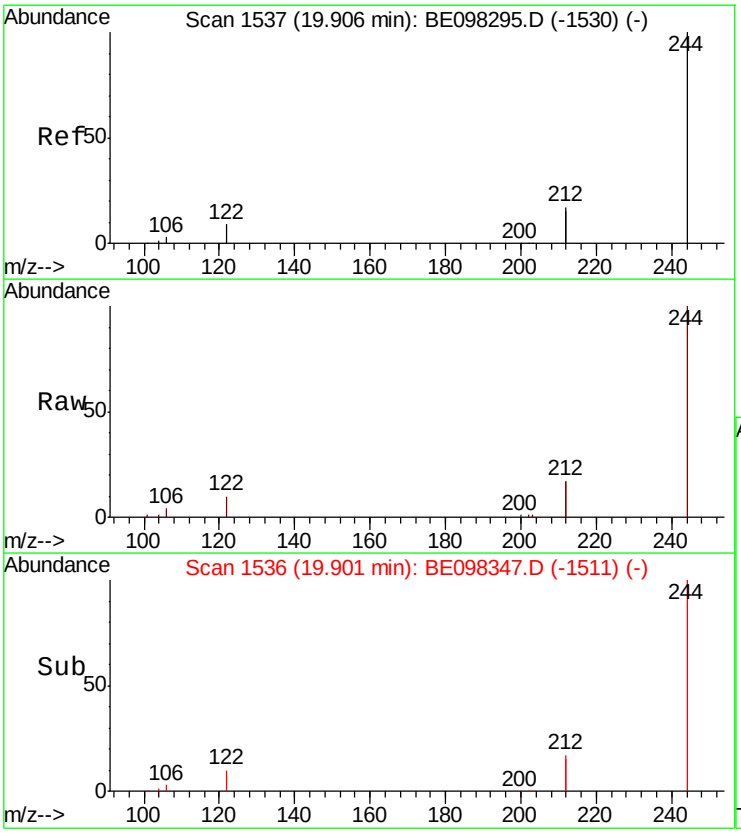

#28
Pyrene
Concen: 0.020 ng
RT: 19.70 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:202 Resp: 636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 17.9 | 16.7 | 25.1 |
| 203 | 20.6 | 14.1 | 21.1 |

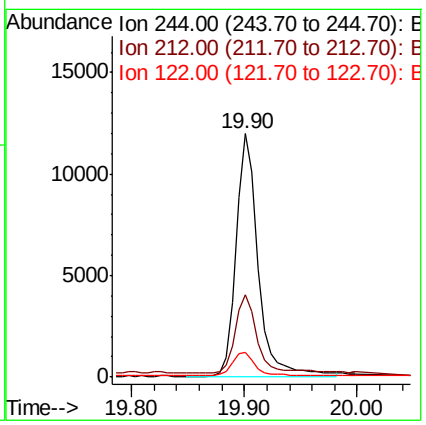


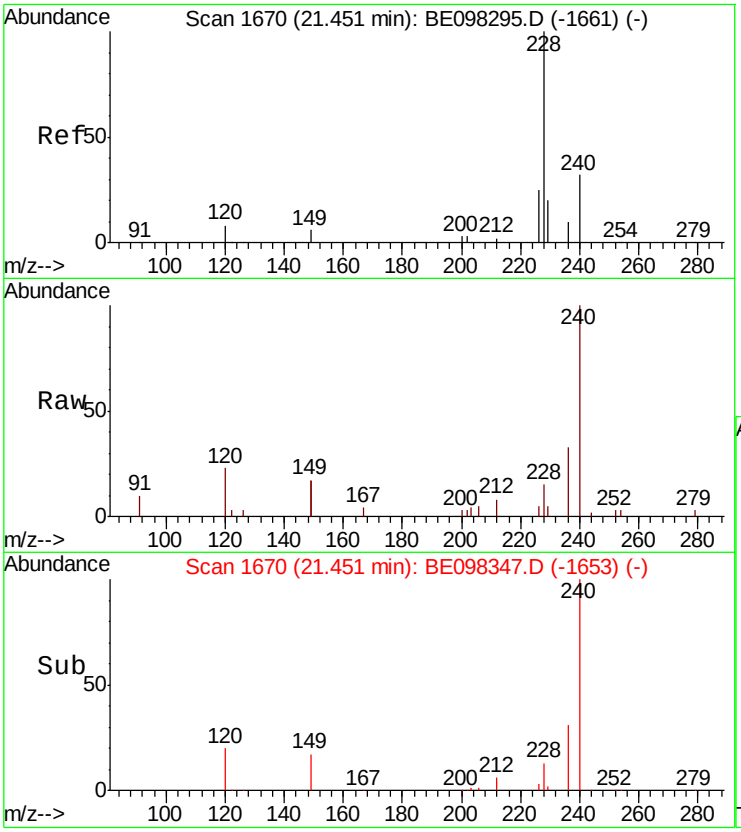




#29
Terphenyl-d14
Concen: 0.667 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:244 Resp: 16311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 33.8 | 27.4 | 41.0 |
| 122 | 10.0 | 8.3 | 12.5 |



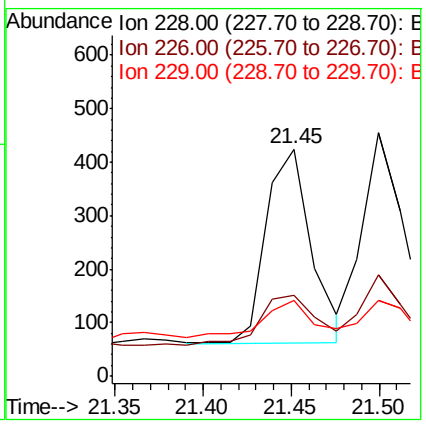


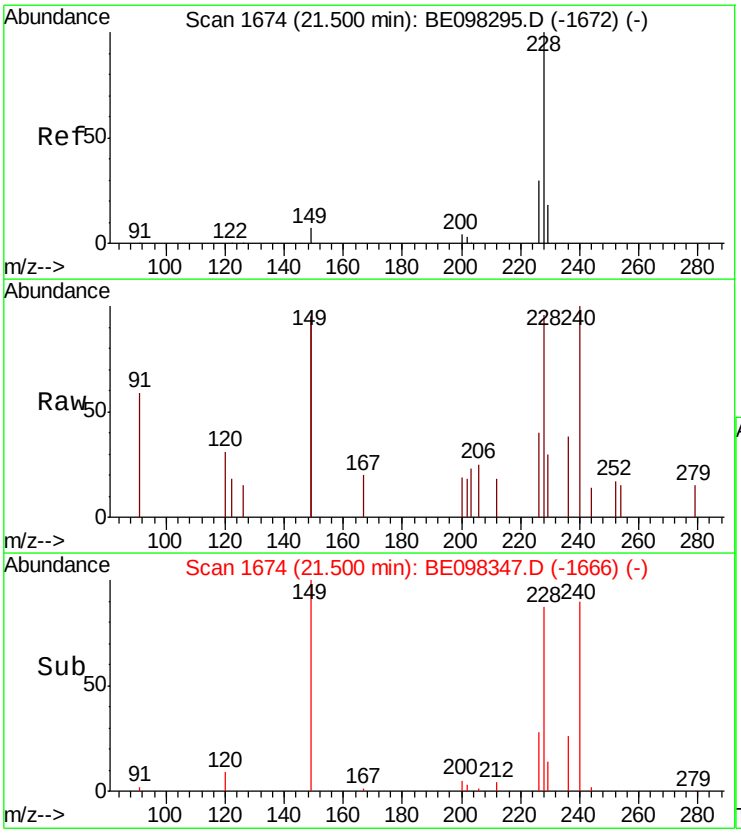

#30
Benzo(a)anthracene
Concen: 0.023 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:228 Resp: 650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 35.8 | 21.8 | 32.8# |
| 229 | 33.5 | 16.3 | 24.5# |

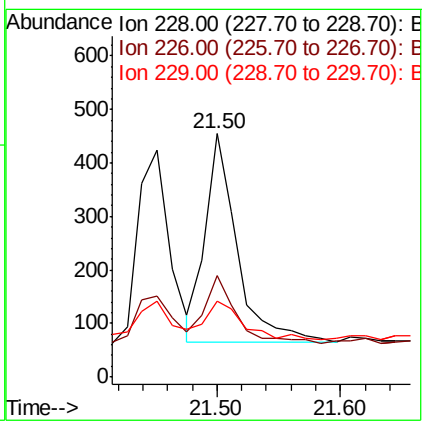


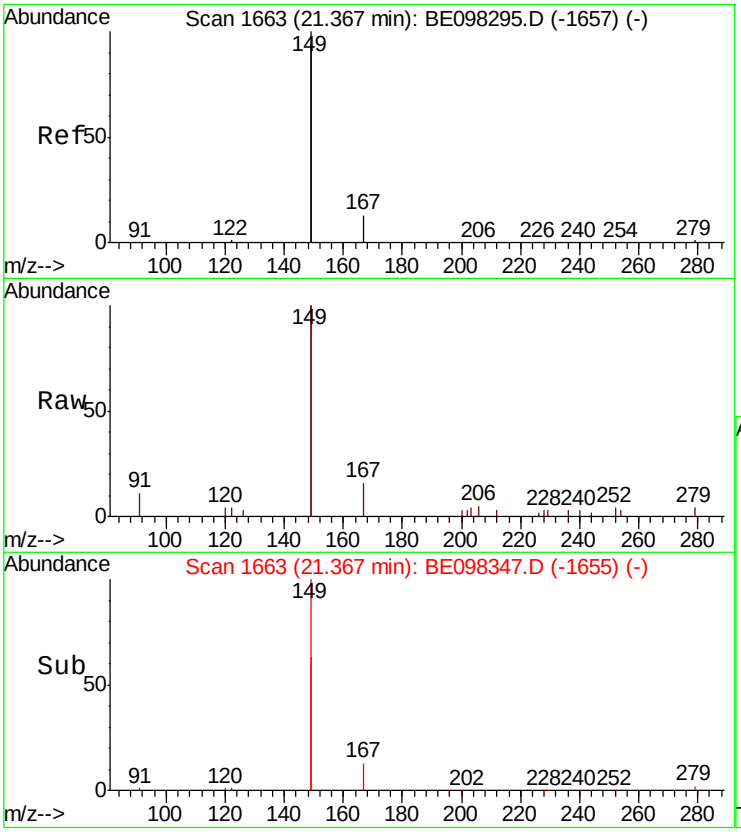




#31
Chrysene
Concen: 0.023 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:228 Resp: 699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 41.8 | 23.4 | 35.0# |
| 229 | 31.0 | 16.2 | 24.4# |



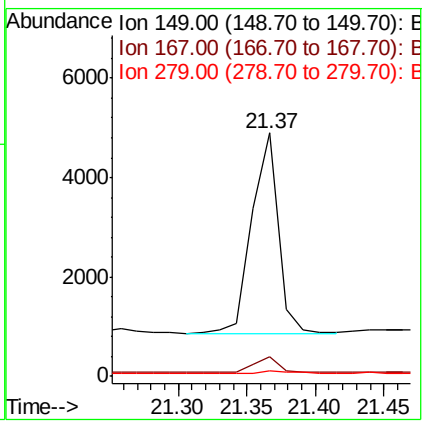


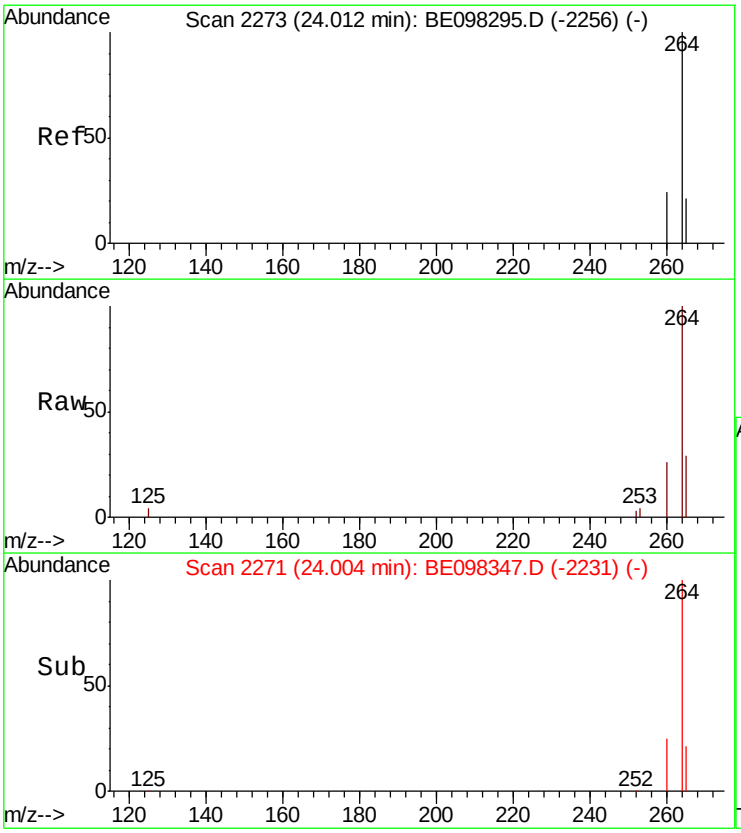

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:149 Resp: 5389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.7 | 5.7 | 8.5 |
| 279 | 1.2 | 1.0 | 1.4 |

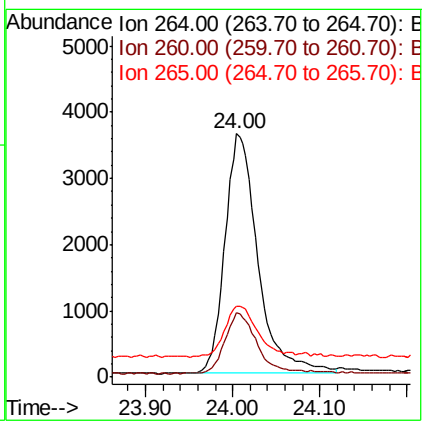


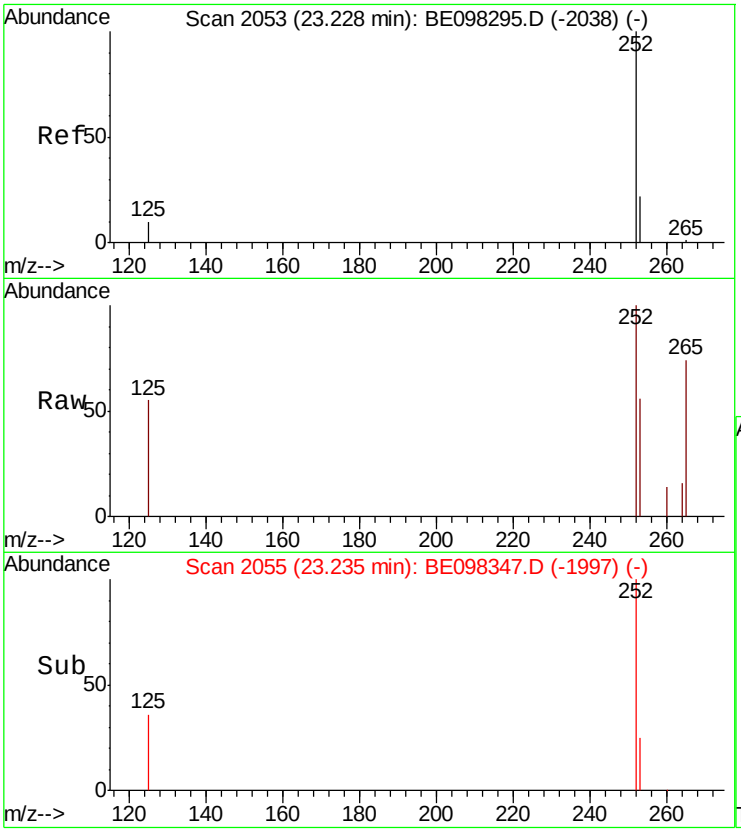




#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:264 Resp: 9470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.2 | 20.2 | 30.2 |
| 265 | 28.9 | 25.2 | 37.8 |



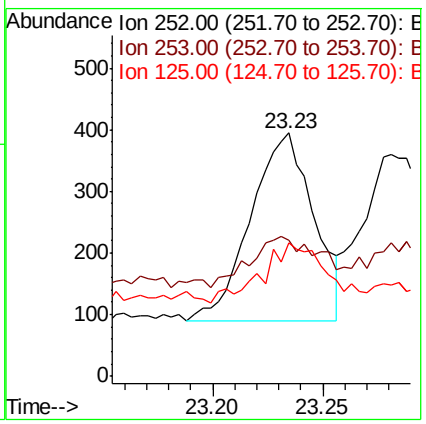


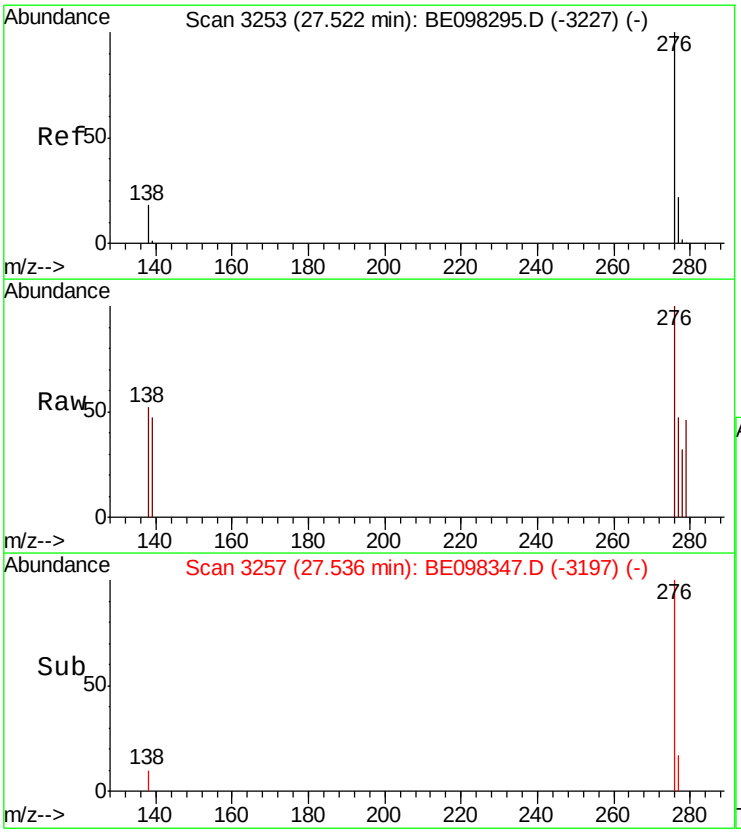

#35
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 23.23 min Scan# 2055
Delta R.T. 0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

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

Tgt Ion:252 Resp: 607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 55.7 | 20.0 | 30.0# |
| 125 | 54.9 | 9.6 | 14.4# |




#39
Benzo(g,h,i)perylene
Concen: 0.021 ng
RT: 27.54 min Scan# 3257
Delta R.T. 0.01 min
Lab File: BE098347.D
Acq: 11 Dec 2018 23:53

Tgt Ion:276 Resp: 532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 47.3 | 20.8 | 31.2# |
| 138 | 52.1 | 15.8 | 23.6# |