Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\
Data File : BE094689.D
Acq On : 1 Nov 2017 14:00
Operator : SJ/JU
Sample : PB103176BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 01 15:55:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 1022 | 0.40 | ng | 0.01 |
| 7) Naphthalene-d8 | 10.76 | 136 | 5641 | 0.40 | ng | 0.05 |
| 13) Acenaphthene-d10 | 14.54 | 164 | 3483 | 0.40 | ng | 0.03 |
| 19) Phenanthrene-d10 | 17.27 | 188 | 8433 | 0.40 | ng | 0.03 |
| 27) Chrysene-d12 | 21.44 | 240 | 8335 | 0.40 | ng | 0.01 |
| 34) Perylene-d12 | 23.98 | 264 | 7695 | 0.40 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.56 | 112 | 700 | 0.20 | ng | 0.04 |
| 5) Phenol-d6 | 7.29 | 99 | 995 | 0.19 | ng | 0.15 |
| 8) Nitrobenzene-d5 | 9.21 | 82 | 842 | 0.19 | ng | 0.13 |
| 11) 2-Methylnaphthalene-d10 | 12.34 | 152 | 2584 | 0.29 | ng | 0.05 |
| 14) 2,4,6-Tribromophenol | 16.09 | 330 | 135 | 0.14 | ng | 0.06 |
| 15) 2-Fluorobiphenyl | 13.19 | 172 | 3259 | 0.27 | ng | 0.04 |
| 25) Fluoranthene-d10 | 19.30 | 212 | 26556 | 0.22 | ng | 0.02 |
| 29) Terphenyl-d14 | 19.87 | 244 | 4062 | 0.26 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 23) Phenanthrene | 17.30 | 178 | 84 | Below Cal | # | 61 |
| 26) Fluoranthene | 19.33 | 202 | 103 | Below Cal | # | 59 |

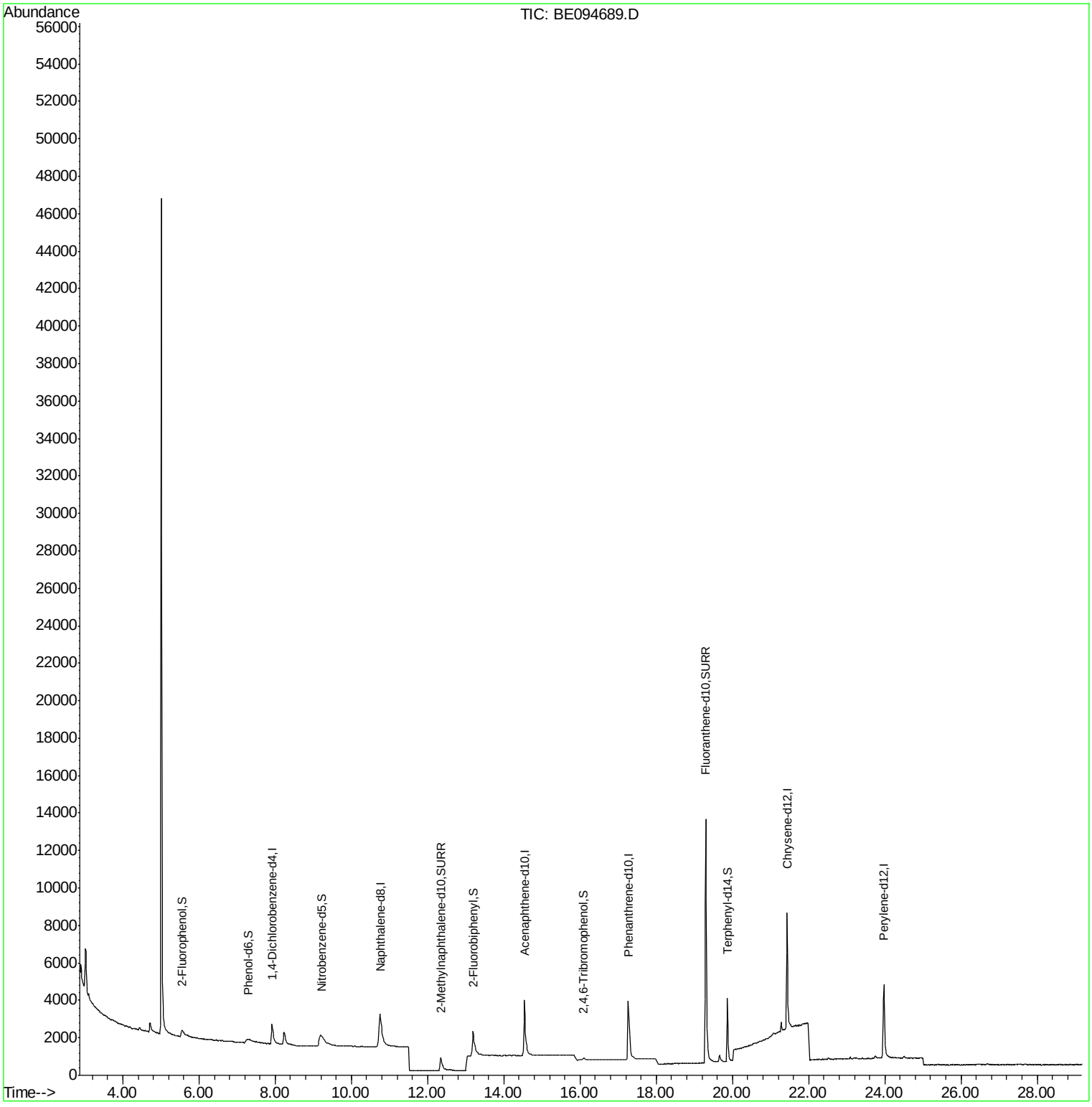
(#) = qualifier out of range (m) = manual integration (+) = signals summed

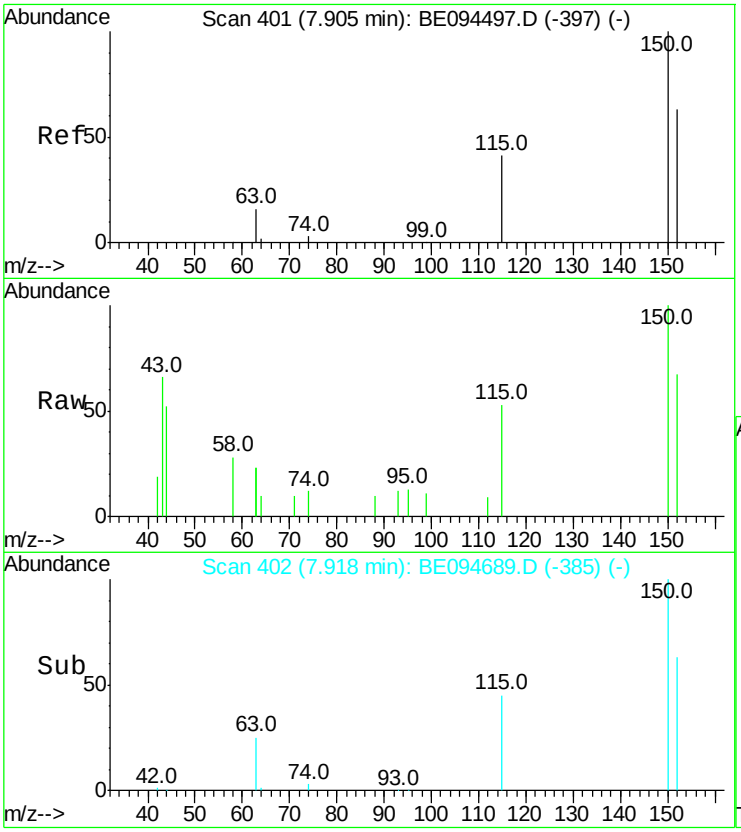
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\
Data File : BE094689.D
Acq On : 1 Nov 2017 14:00
Operator : SJ/JU
Sample : PB103176BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 01 15:55:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
Response via : Initial Calibration



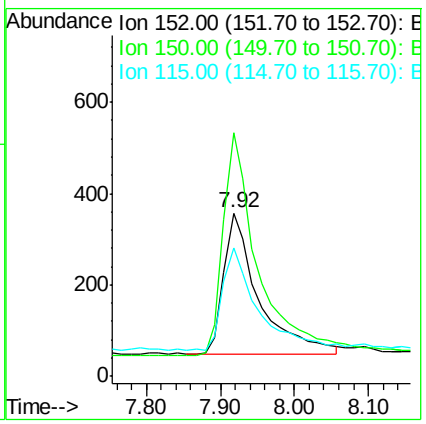


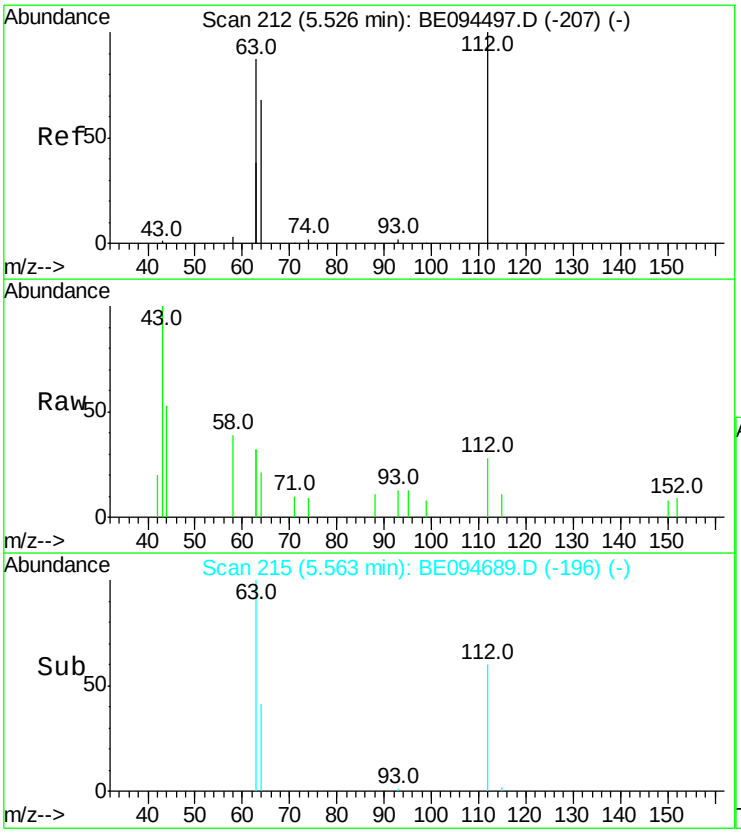

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. 0.01 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion:152 Resp: 1022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.9 | 117.2 | 175.8 |
| 115 | 78.2 | 57.0 | 85.6 |

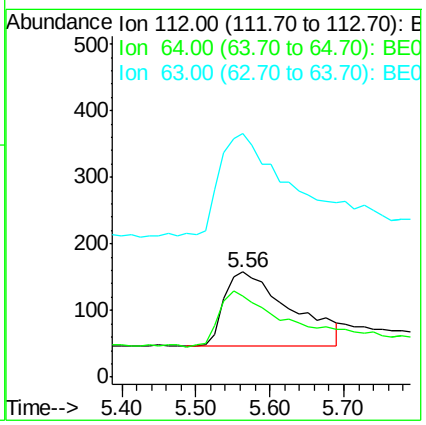


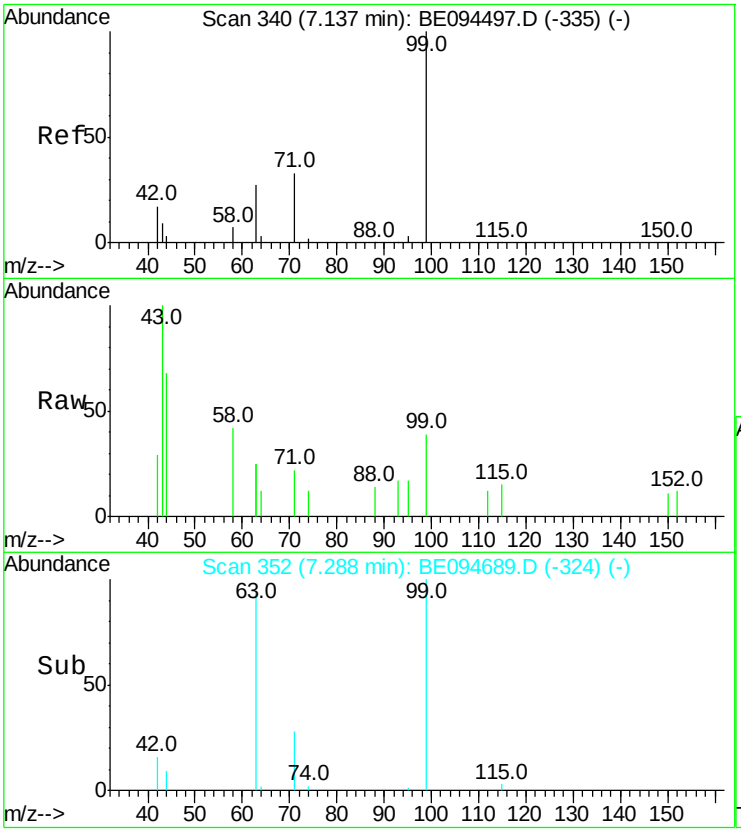




#4
2-Fluorophenol
Concen: 0.200 ng
RT: 5.56 min Scan# 215
Delta R.T. 0.04 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:112 Resp: 700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 74.1 | 60.1 | 90.1 |
| 63 | 141.1 | 116.8 | 175.2 |



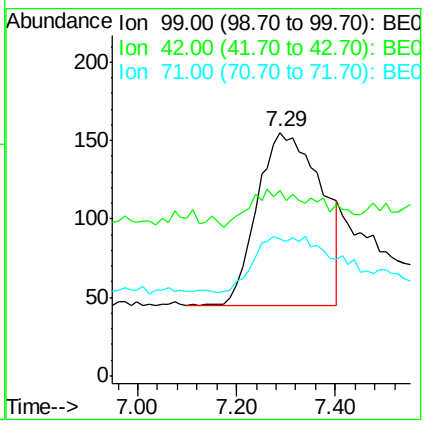


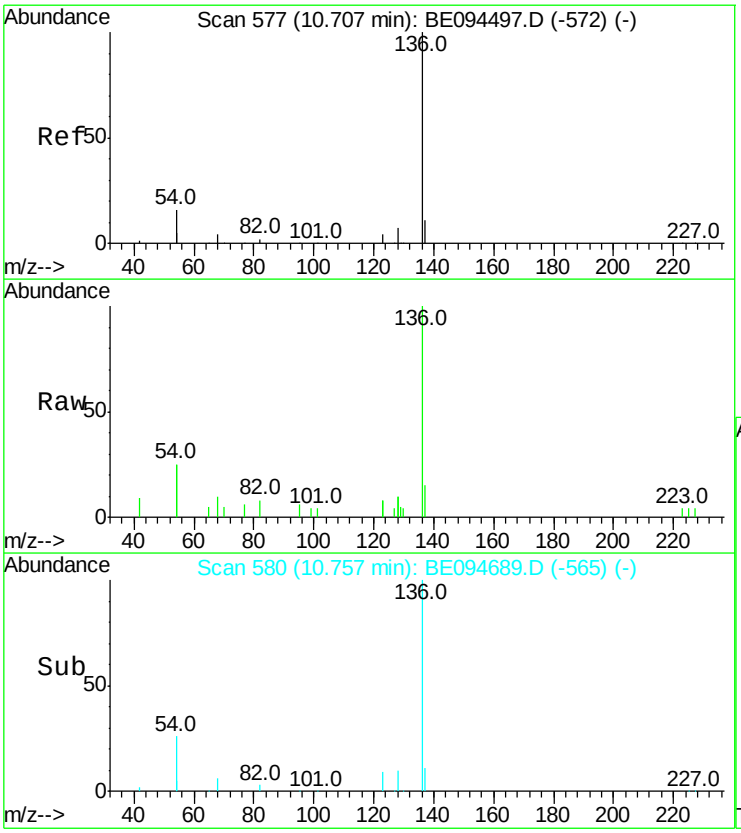

#5
Phenol-d6
Concen: 0.188 ng
RT: 7.29 min Scan# 352
Delta R.T. 0.15 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion: 99 Resp: 995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 20.2 | 30.2# |
| 71 | 17.1 | 28.4 | 42.6# |

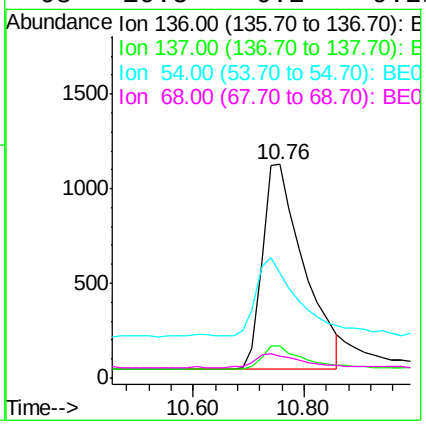


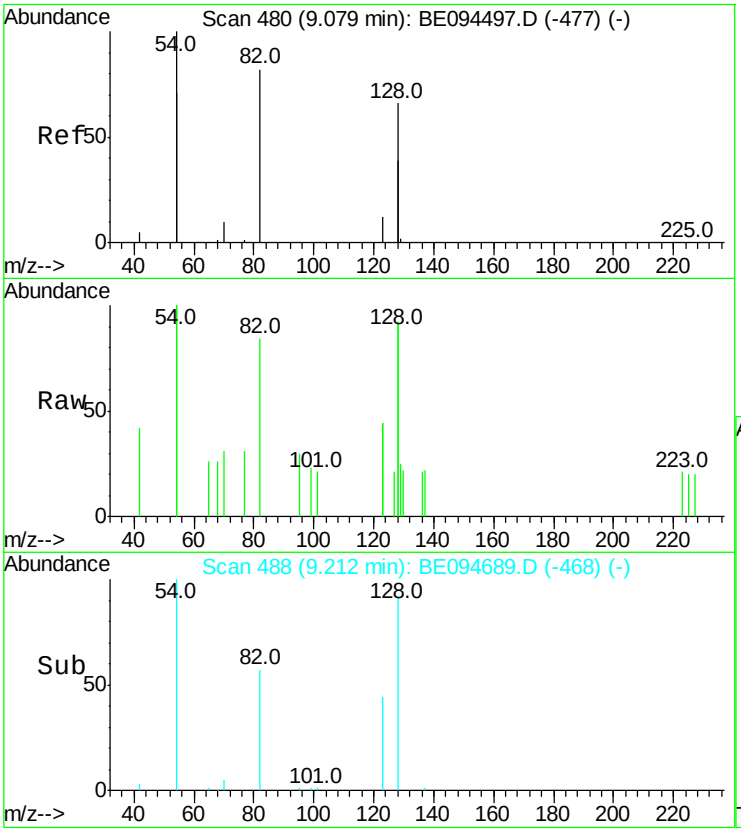




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.05 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:136 Resp: 5641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 14.9 | 9.5 | 14.3# |
| 54 | 49.1 | 29.1 | 43.7# |
| 68 | 10.5 | 6.2 | 9.2# |



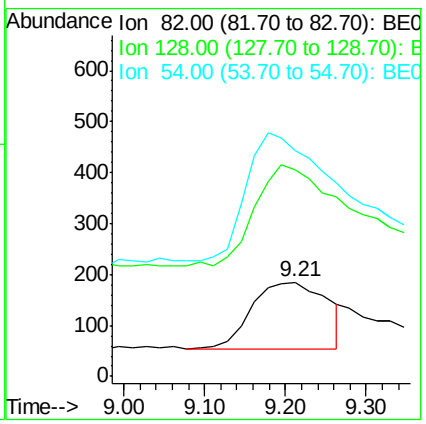


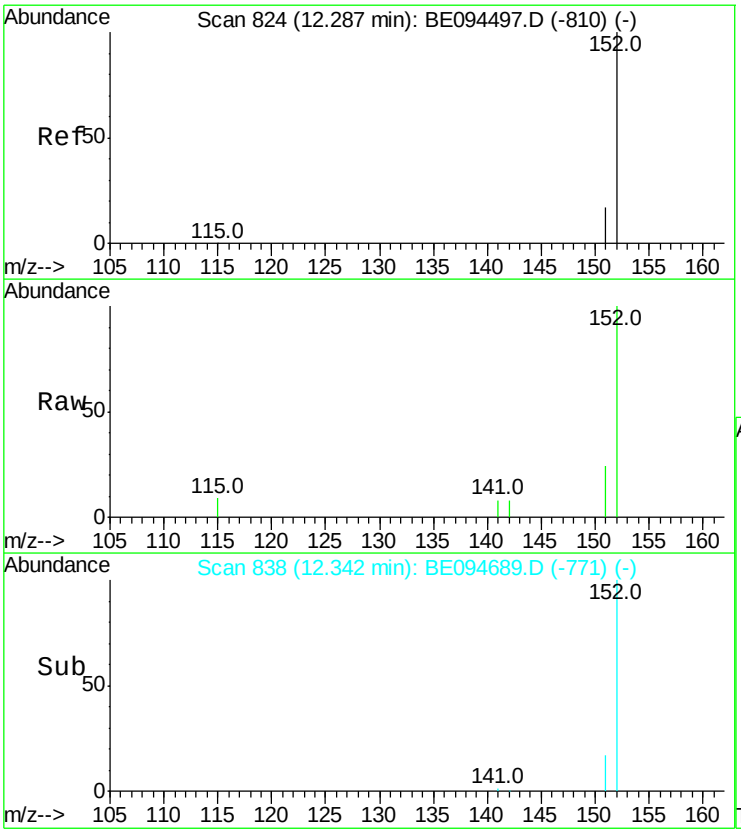

#8
Nitrobenzene-d5
Concen: 0.187 ng
RT: 9.21 min Scan# 488
Delta R.T. 0.13 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion: 82 Resp: 842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 219.5 | 150.0 | 225.0 |
| 54 | 238.9 | 154.2 | 231.4# |

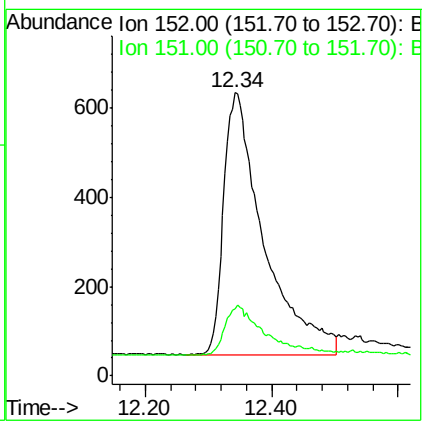


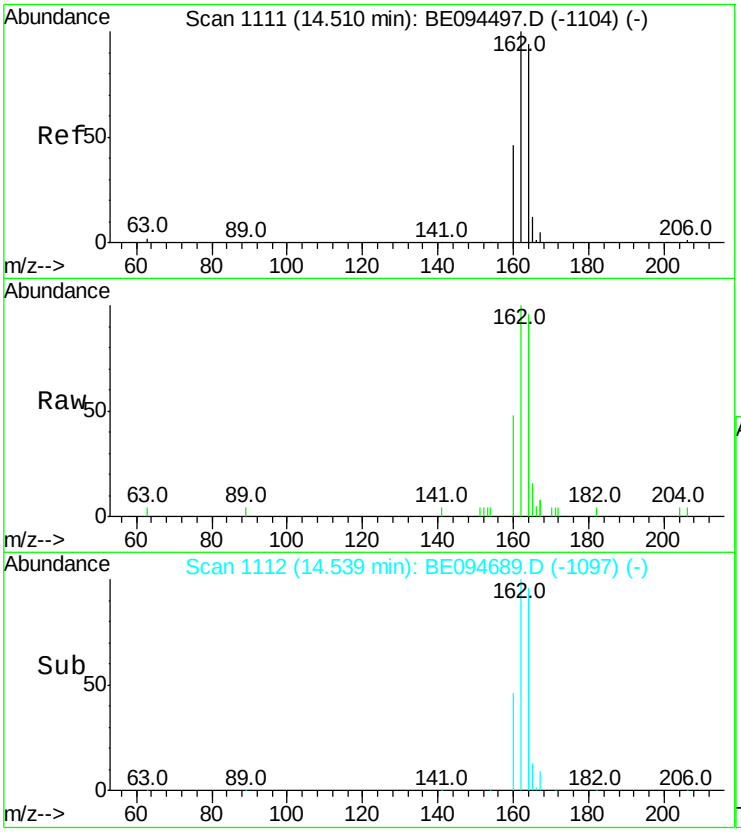




#11
2-Methylnaphthalene-d10
Concen: 0.285 ng
RT: 12.34 min Scan# 838
Delta R.T. 0.05 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:152 Resp: 2584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 17.5 | 15.4 | 23.0 |



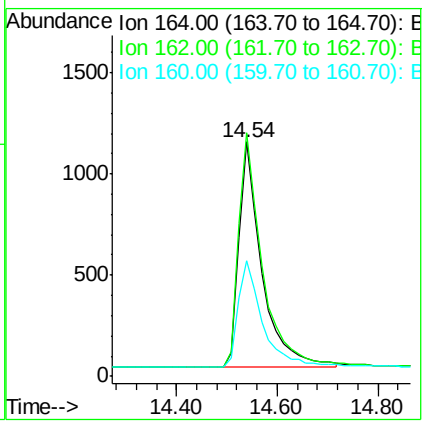


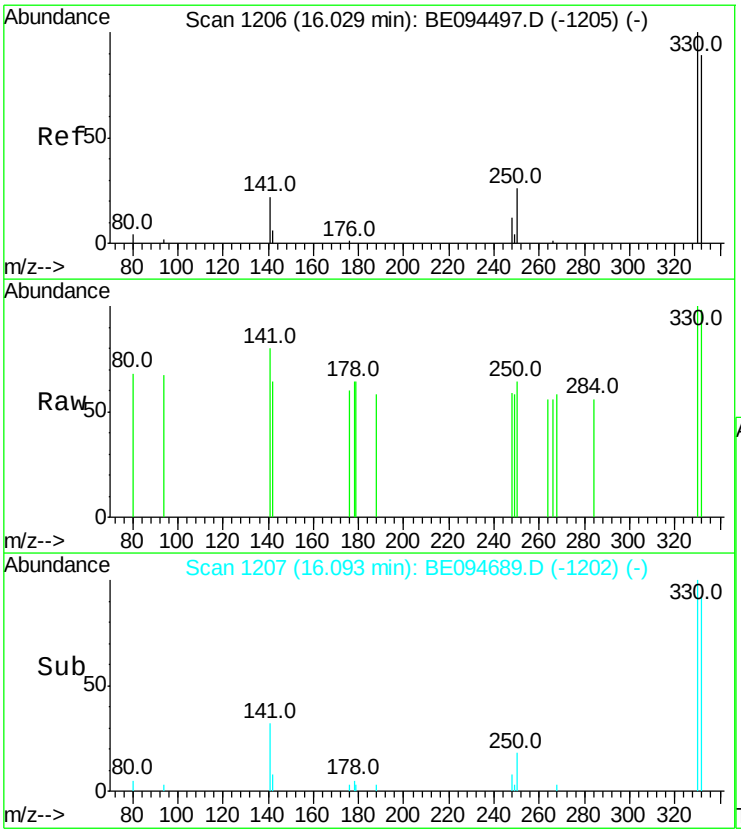

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 1112
Delta R.T. 0.03 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion:164 Resp: 3483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 83.1 | 124.7 |
| 160 | 49.5 | 37.1 | 55.7 |

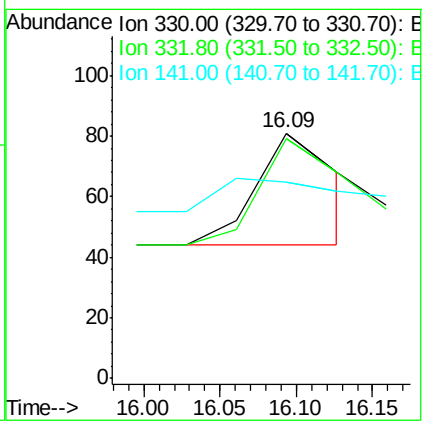


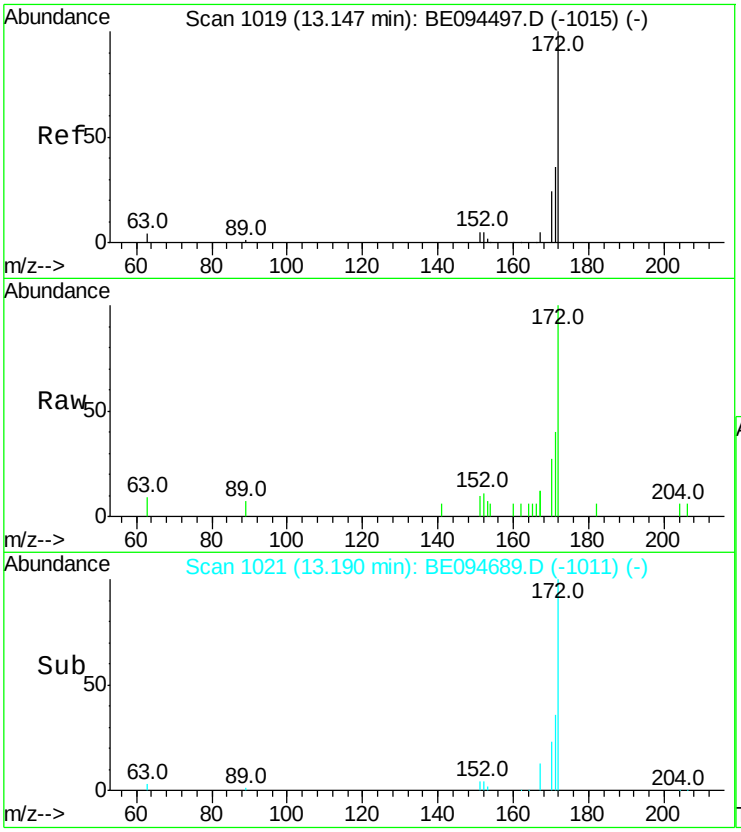




#14
2,4,6-Tribromophenol
Concen: 0.141 ng
RT: 16.09 min Scan# 1207
Delta R.T. 0.06 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:330 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.6 | 152.7 | 229.1# |
| 141 | 0.0 | 33.7 | 50.5# |



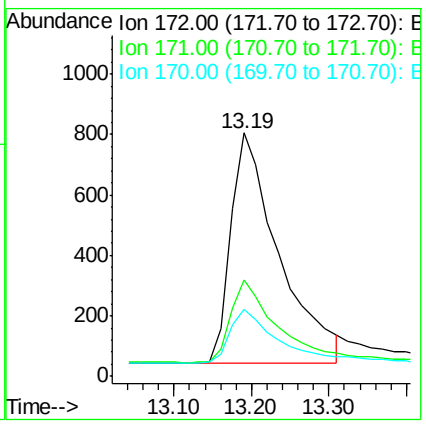


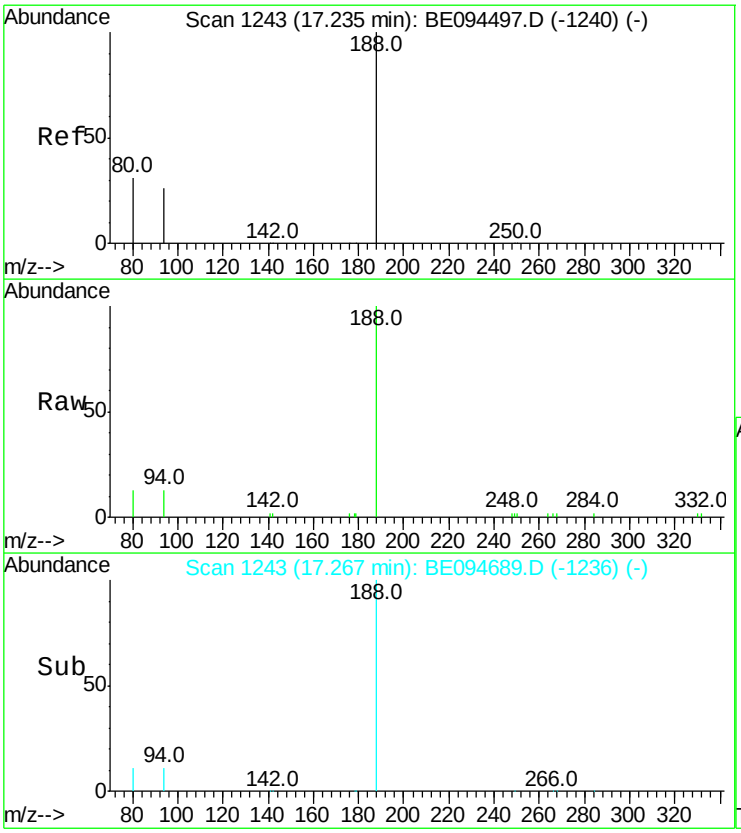

#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 13.19 min Scan# 1021
Delta R.T. 0.04 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion:172 Resp: 3259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.7 | 29.9 | 44.9 |
| 170 | 27.3 | 21.8 | 32.8 |

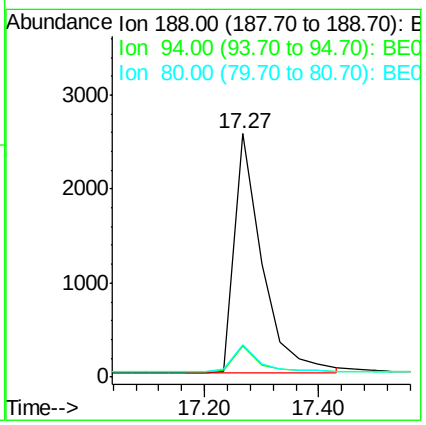


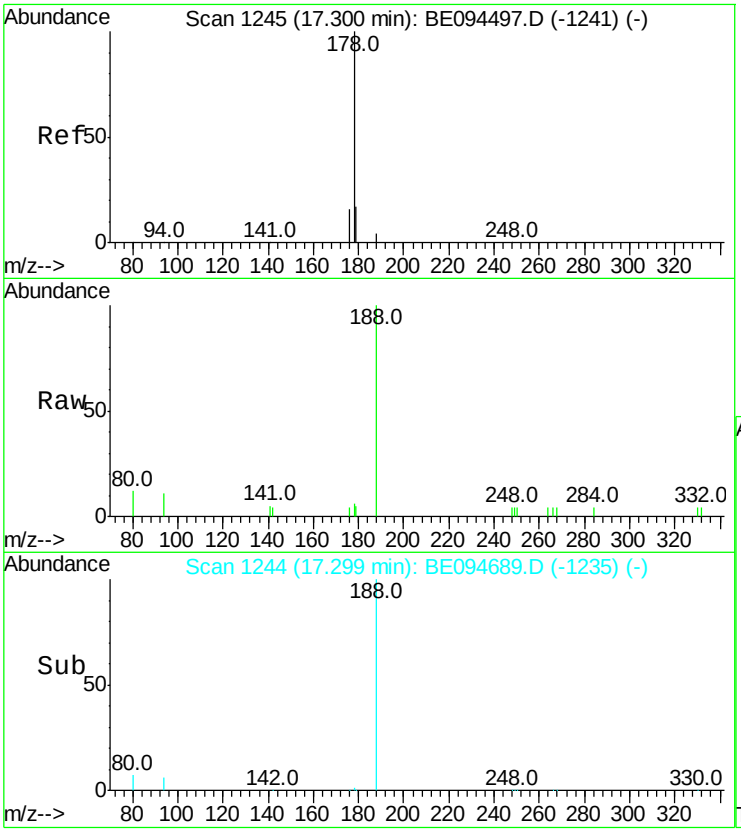




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1243
Delta R.T. 0.03 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:188 Resp: 8433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.6 | 3.9 | 5.9# |
| 80 | 13.4 | 3.6 | 5.4# |



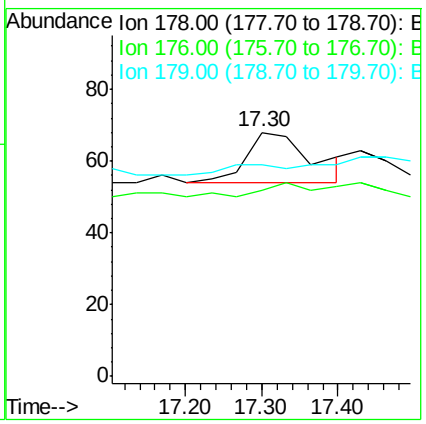


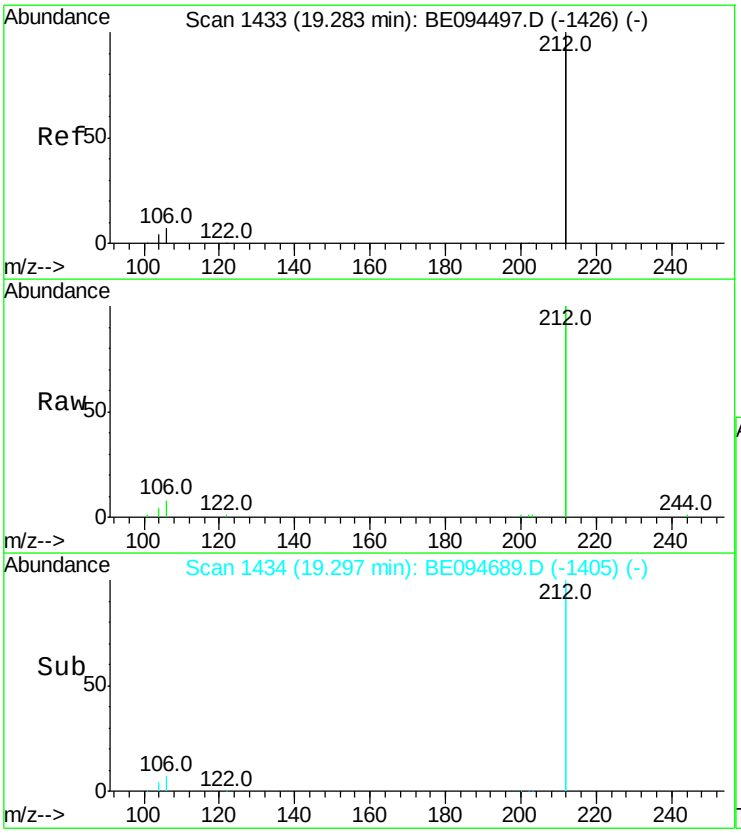

#23
Phenanthrene
Concen: Below Cal
RT: 17.30 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion:178 Resp: 84

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 15.1 | 22.7# |
| 179 | 0.0 | 11.8 | 17.6# |

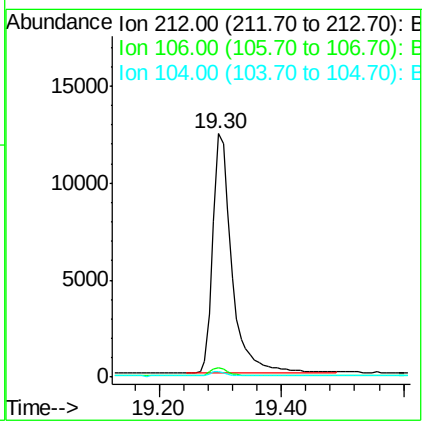


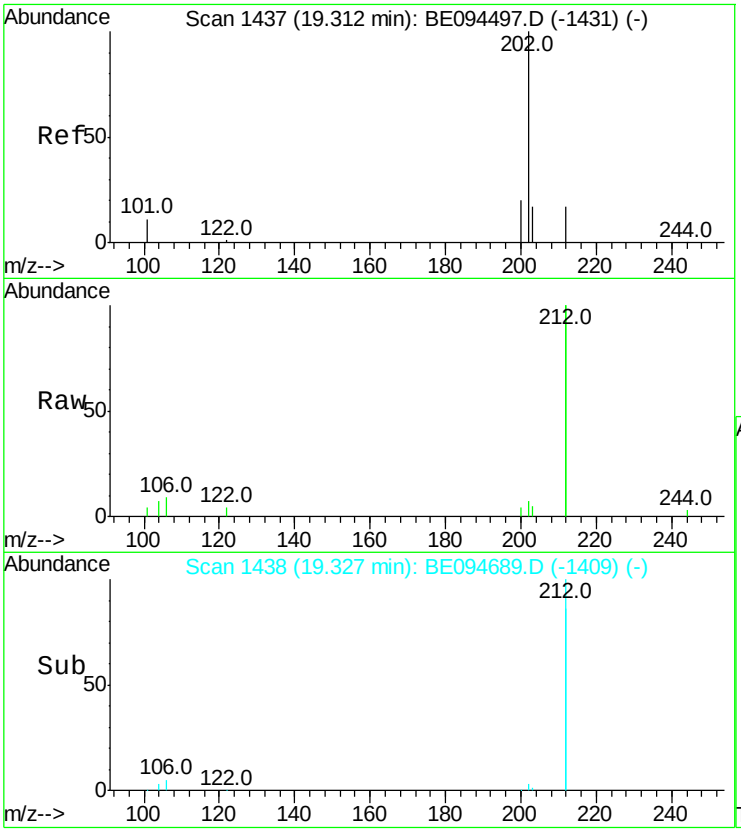




#25
Fluoranthene-d10
Concen: 0.222 ng
RT: 19.30 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:212 Resp: 26556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.5 | 2.8 | 4.2 |
| 104 | 1.9 | 1.6 | 2.4 |



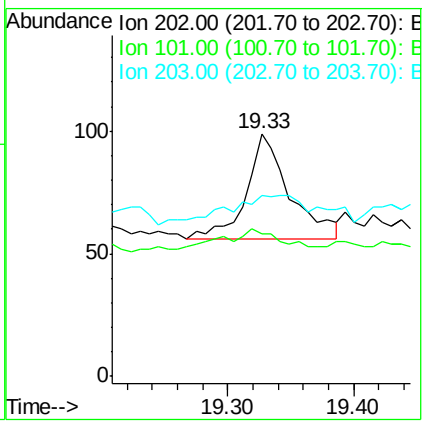


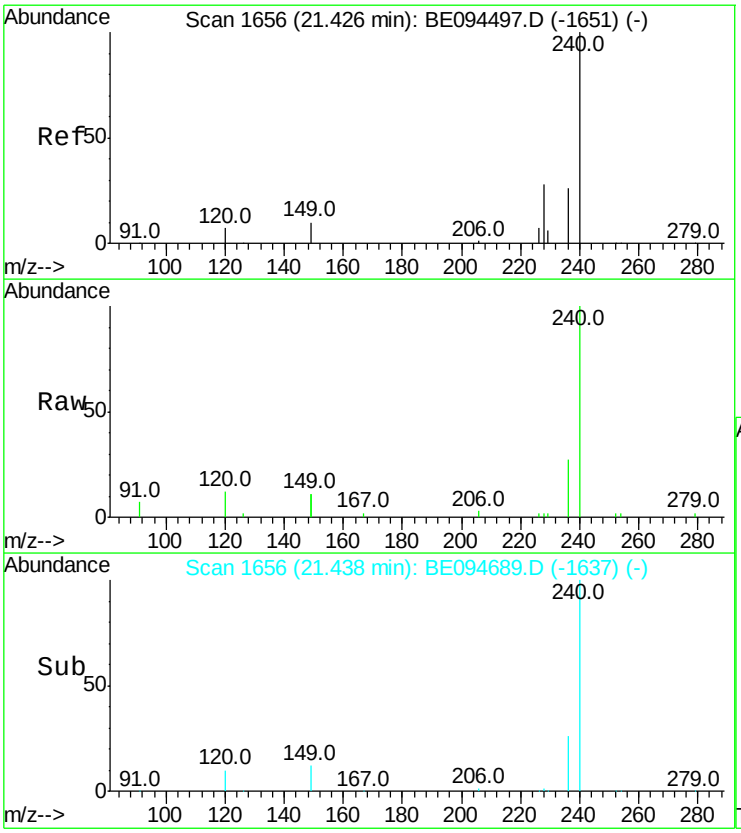

#26
Fluoranthene
Concen: Below Cal
RT: 19.33 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion:202 Resp: 103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 26.2 | 9.8 | 14.8# |
| 203 | 36.9 | 13.7 | 20.5# |

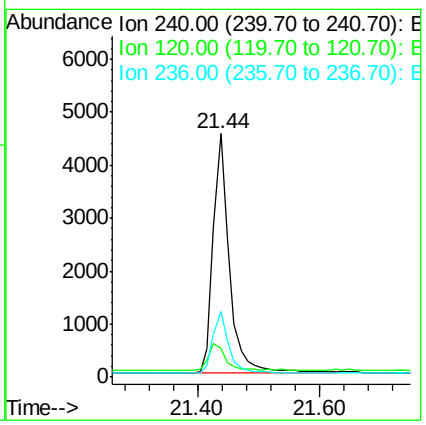


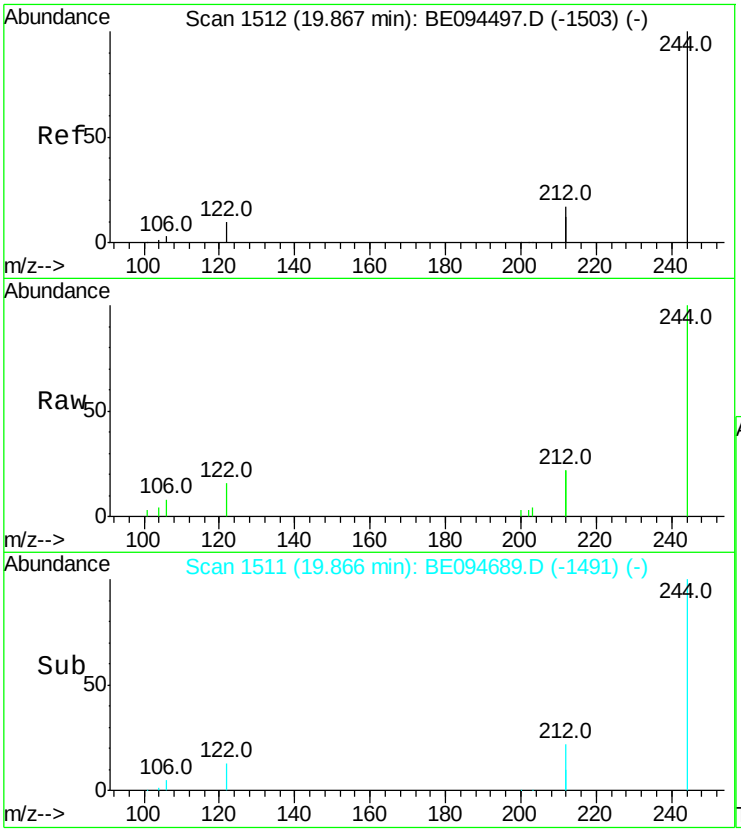




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.44 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:240 Resp: 8335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.9 | 5.5 | 8.3# |
| 236 | 27.0 | 20.7 | 31.1 |



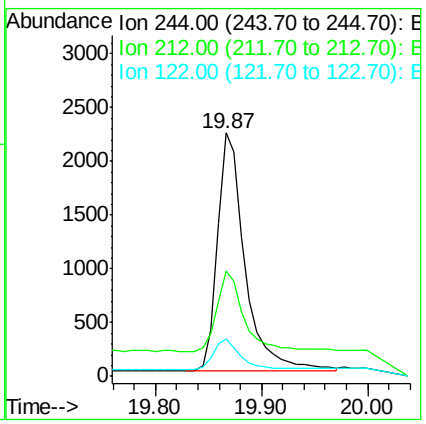


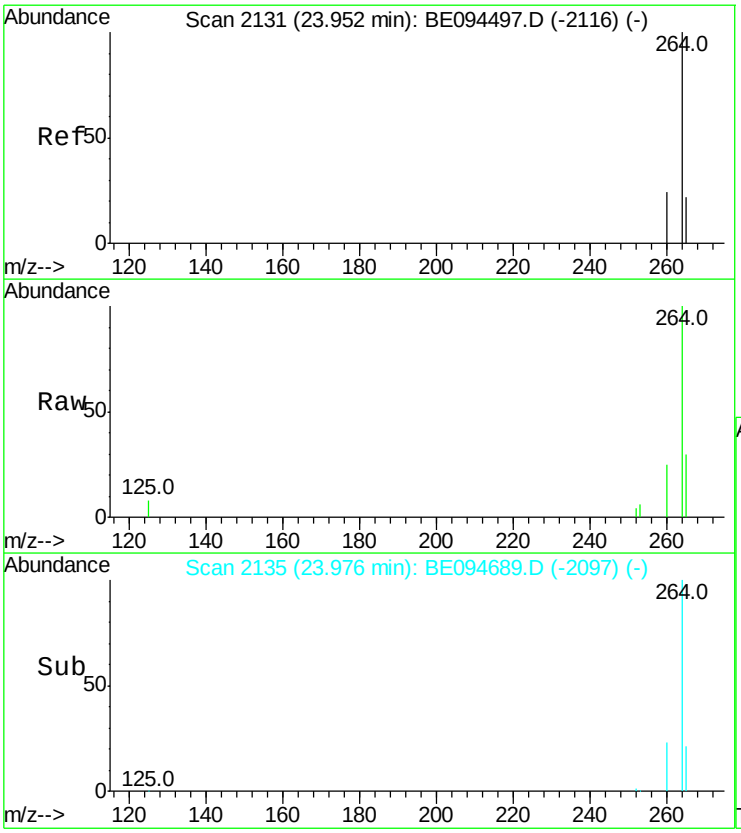

#29
Terphenyl-d14
Concen: 0.258 ng
RT: 19.87 min Scan# 1511
Delta R.T. -0.00 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

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

Tgt Ion:244 Resp: 4062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 43.1 | 25.4 | 38.0# |
| 122 | 15.5 | 8.1 | 12.1# |




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2135
Delta R.T. 0.02 min
Lab File: BE094689.D
Acq: 1 Nov 2017 14:00

Tgt Ion:264 Resp: 7695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.4 | 20.5 | 30.7 |
| 265 | 30.4 | 22.8 | 34.2 |