Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
Data File : BM004467.D
Acq On : 29 Feb 2016 02:21
Operator : SJ/UM
Sample : H1509-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** MW-1-FD

Quant Time: Feb 29 06:33:41 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 05:57:18 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 13166 | 5.00 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.38 | 136 | 49845 | 5.00 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.25 | 164 | 36410 | 5.00 | ng | | 0.00 |
| 15) Phenanthrene-d10 | 17.03 | 188 | 37671 | 5.00 | ng | | 0.00 |
| 19) Chrysene-d12 | 21.24 | 240 | 54759 | 5.00 | ng | | 0.00 |
| 28) Perylene-d12 | 23.46 | 264 | 44292 | 5.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.21 | 112 | 7461 | 2.58 | ng | | 0.00 |
| 5) Phenol-d6 | 6.83 | 99 | 5011 | 1.52 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.76 | 82 | 11103 | 4.03 | ng | | -0.02 |
| 13) 2,4,6-Tribromophenol | 15.78 | 330 | 14564 | 7.82 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.89 | 172 | 40668 | 3.66 | ng | | 0.00 |
| 22) Terphenyl-d14 | 19.67 | 244 | 33423 | 4.79 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.40 | 42 | 326 | 0.33 | ng | # | 97 |
| 6) bis(2-Chloroethyl)ether | 7.07 | 93 | 129 | 0.05 | ng | # | 1 |
| 9) Nitrobenzene | 8.76 | 77 | 5029 | 1.65 | ng | # | 1 |
| 11) 2-Methylnaphthalene | 12.07 | 142 | 947 | 0.12 | ng | # | 70 |
| 16) Hexachlorobenzene | 16.35 | 284 | 13 | Below Cal | | # | 100 |
| 17) Pentachlorophenol | 16.69 | 266 | 110 | 0.44 | ng | # | 83 |
| 18) Fluoranthene | 19.10 | 202 | 400 | 0.03 | ng | # | 86 |
| 20) Benzidine | 19.24 | 184 | 246 | 0.46 | ng | # | 1 |
| 21) Pyrene | 19.46 | 202 | 500 | 0.03 | ng | # | 58 |
| 23) Benzo(a)anthracene | 21.26 | 228 | 1464 | 0.09 | ng | # | 64 |
| 25) Chrysene | 21.26 | 228 | 1533 | Below Cal | | # | 74 |
| 26) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 553 | Below Cal | | # | 37 |
| 29) Benzo(b)fluoranthene | 22.79 | 252 | 556 | 0.03 | ng | # | 1 |
| 30) Benzo(k)fluoranthene | 22.83 | 252 | 298 | 0.02 | ng | # | 1 |

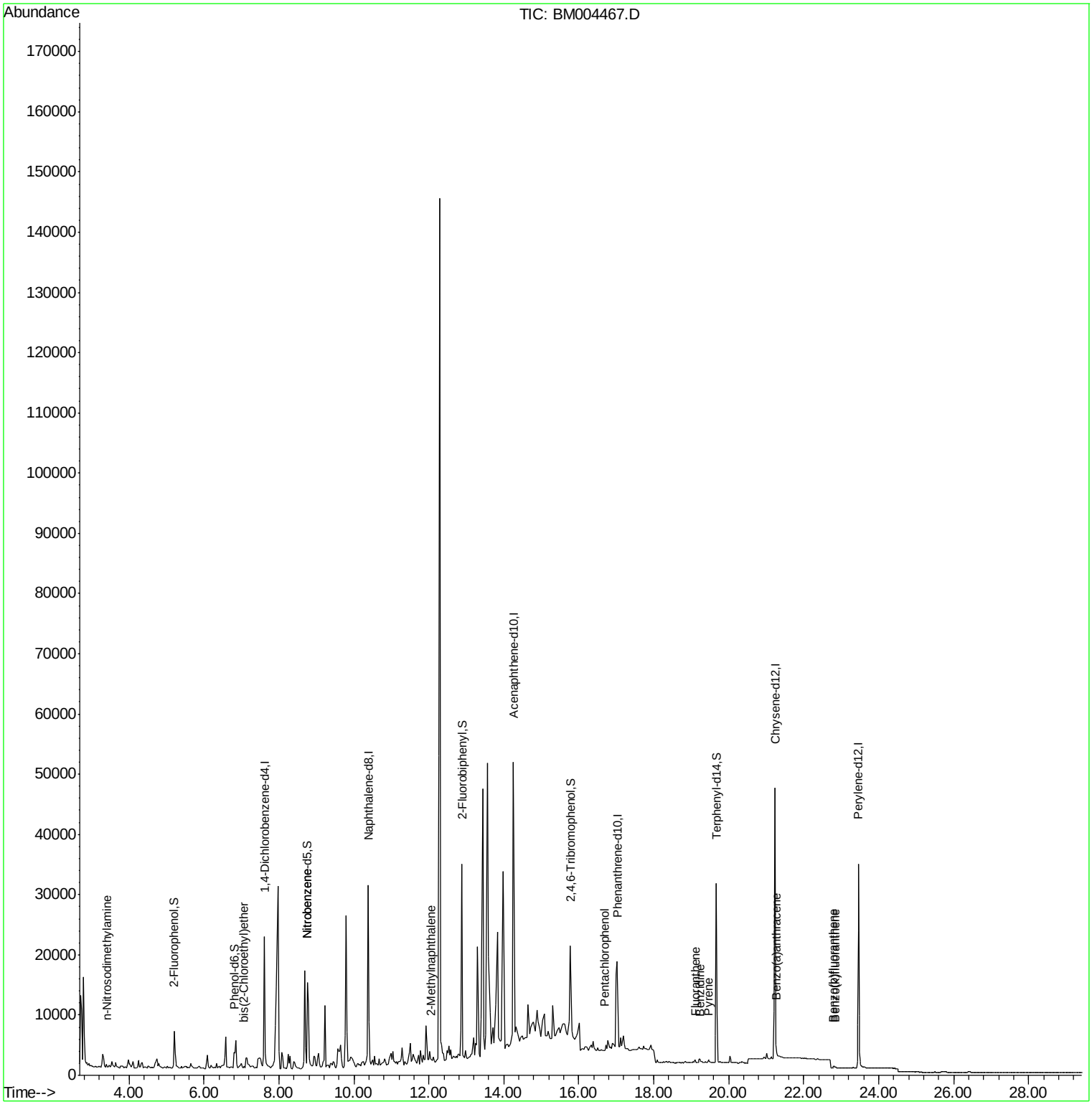
(#) = qualifier out of range (m) = manual integration (+) = signals summed

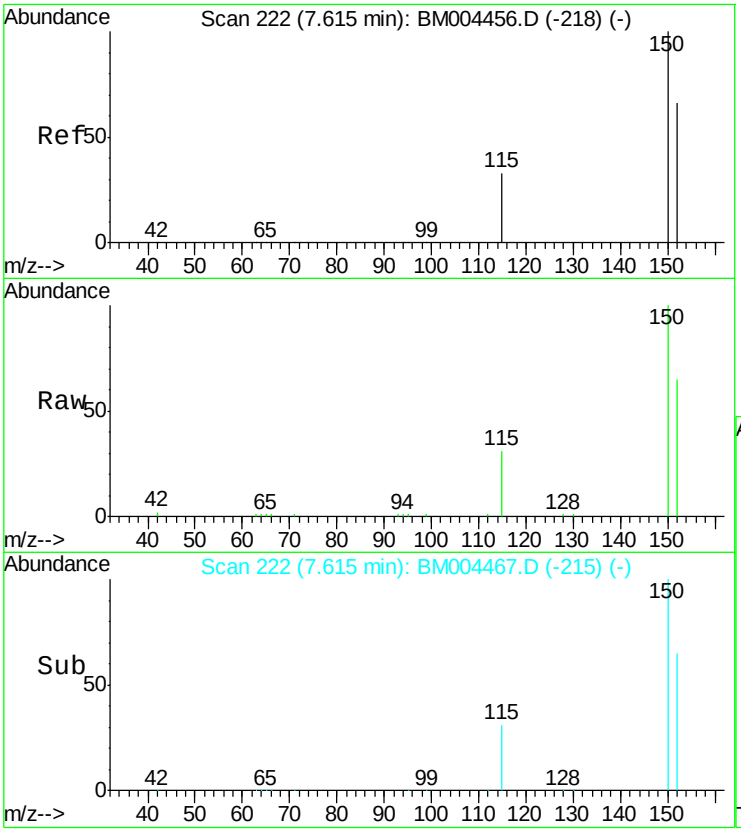
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
Data File : BM004467.D
Acq On : 29 Feb 2016 02:21
Operator : SJ/UM
Sample : H1509-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Quant Time: Feb 29 06:33:41 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 05:57:18 2016
Response via : Initial Calibration



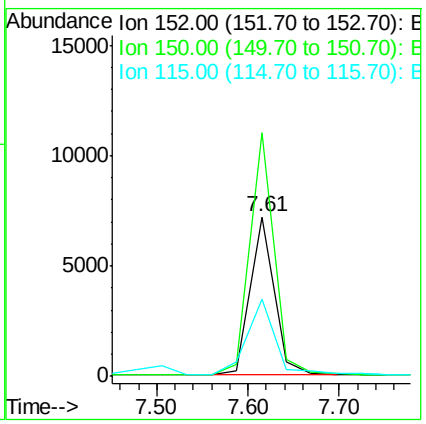


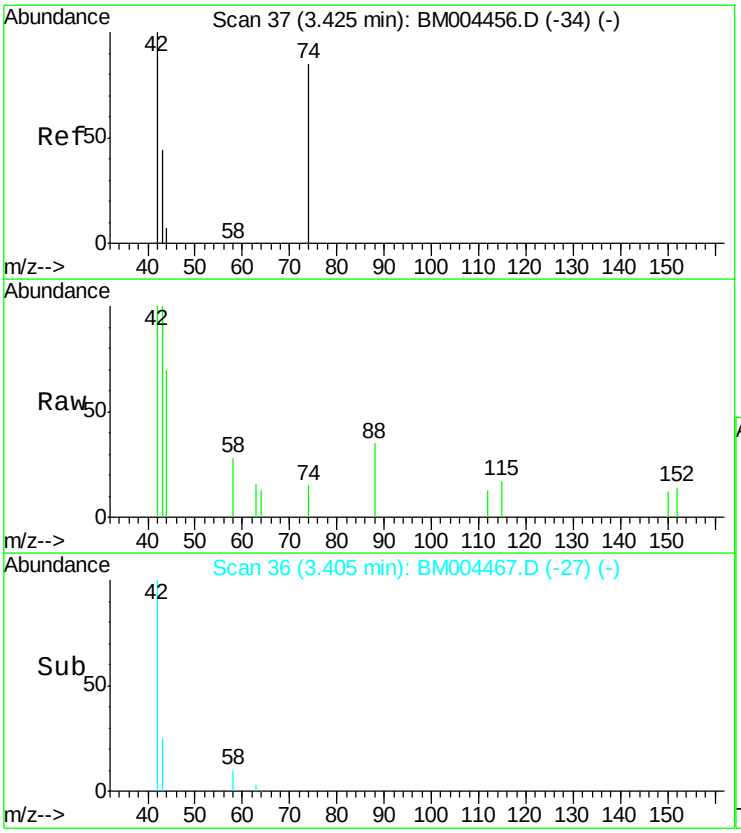

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:152 Resp: 13166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.7 | 123.9 | 185.9 |
| 115 | 48.0 | 40.6 | 61.0 |

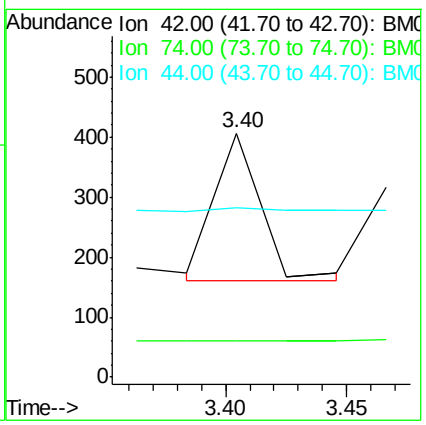


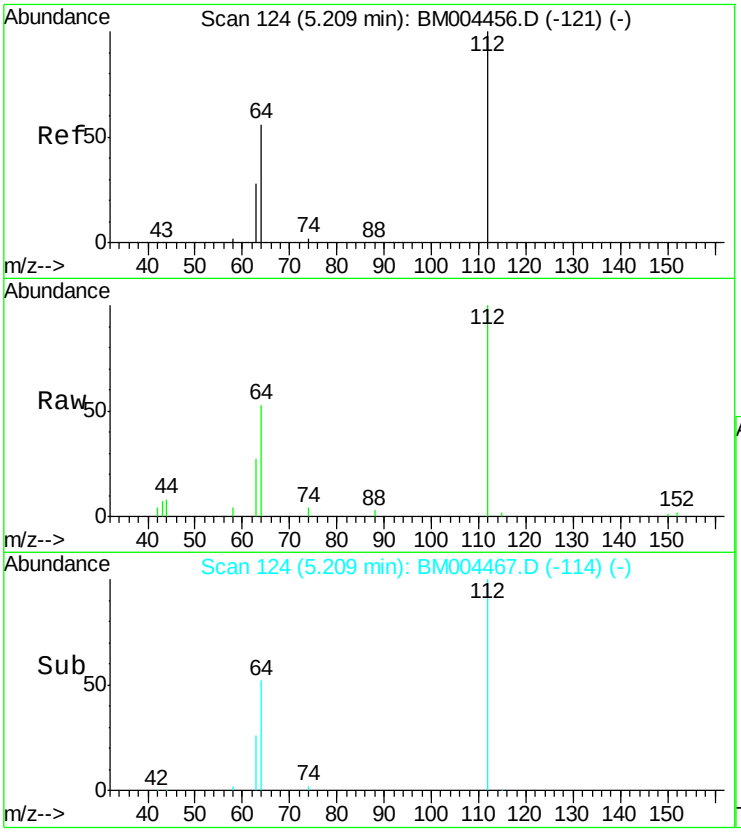




#3
n-Nitrosodimethylamine
Concen: 0.33 ng
RT: 3.40 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion: 42 Resp: 326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 0.0 | 0.0 |
| 44 | 8.3 | 5.8 | 8.6 |



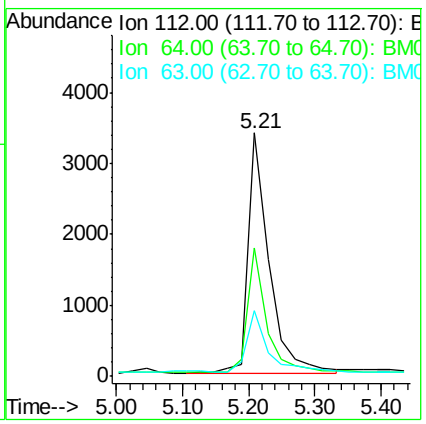


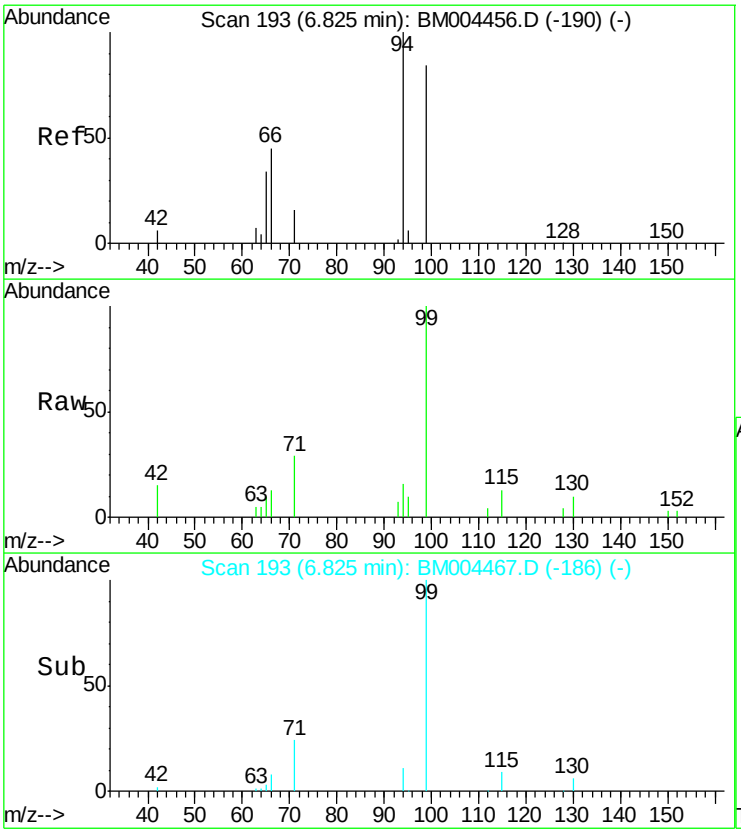

#4
2-Fluorophenol
Concen: 2.58 ng
RT: 5.21 min Scan# 124
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:112 Resp: 7461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.6 | 39.4 | 59.2 |
| 63 | 25.9 | 19.9 | 29.9 |

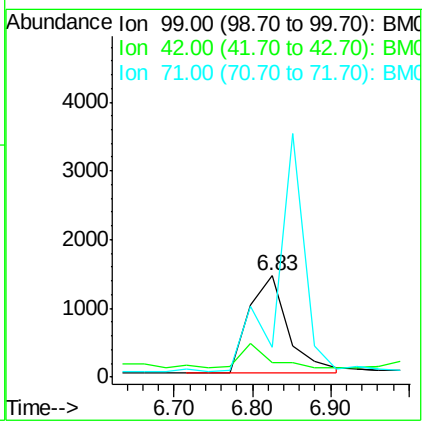


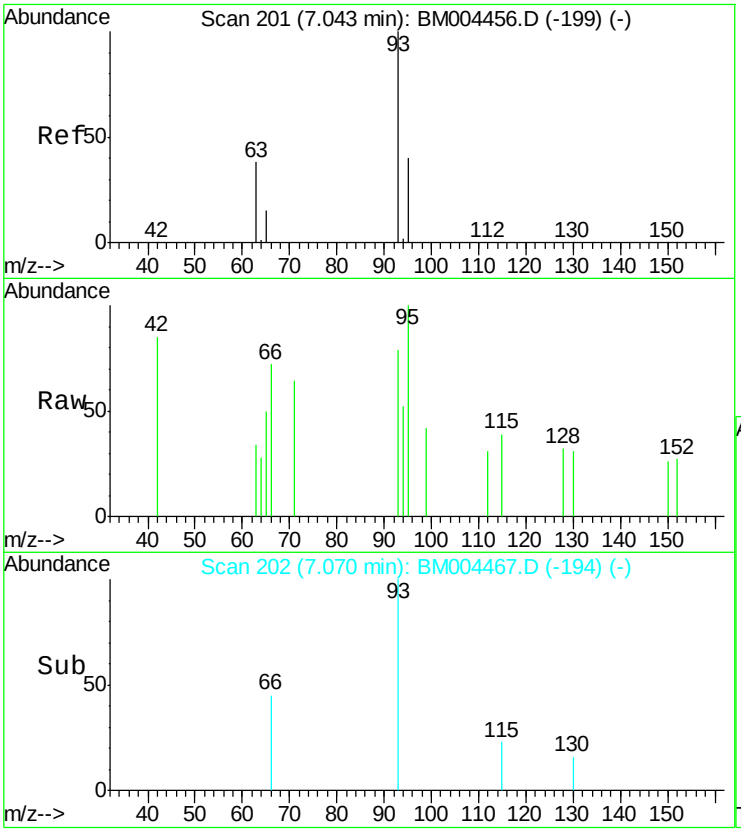




#5
Phenol-d6
Concen: 1.52 ng
RT: 6.83 min Scan# 193
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion: 99 Resp: 5011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 |



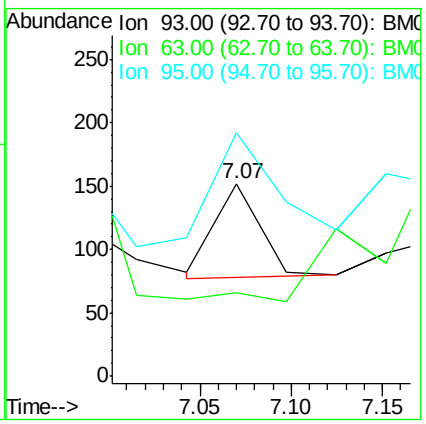


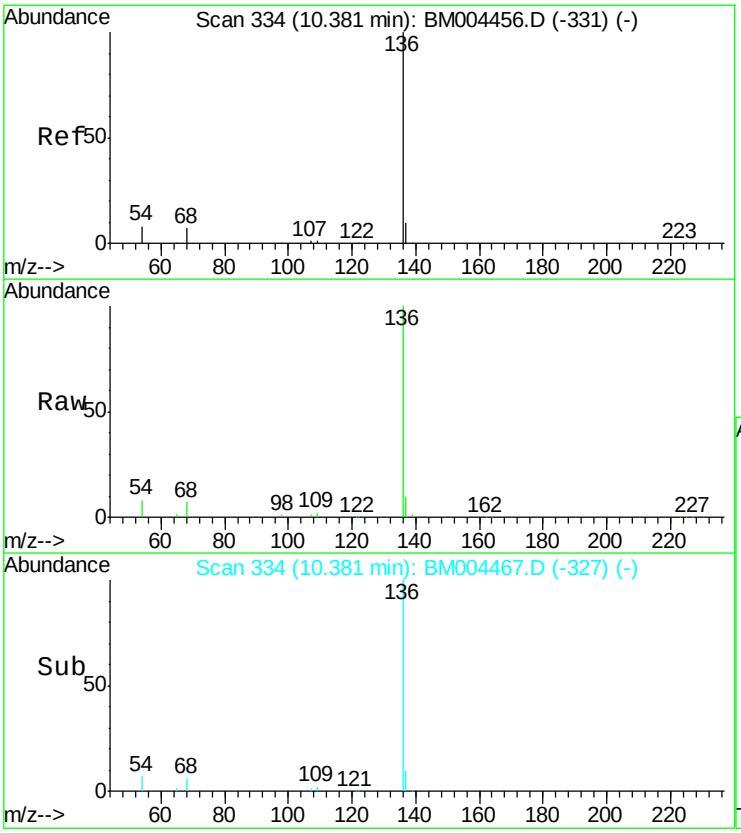

#6
bis(2-Chloroethyl)ether
Concen: 0.05 ng
RT: 7.07 min Scan# 202
Delta R.T. 0.03 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion: 93 Resp: 129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 0.0 | 0.0 | 0.0 |
| 95 | 184.5 | 27.1 | 40.7# |

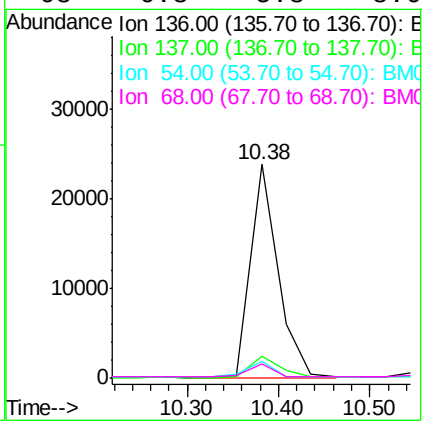


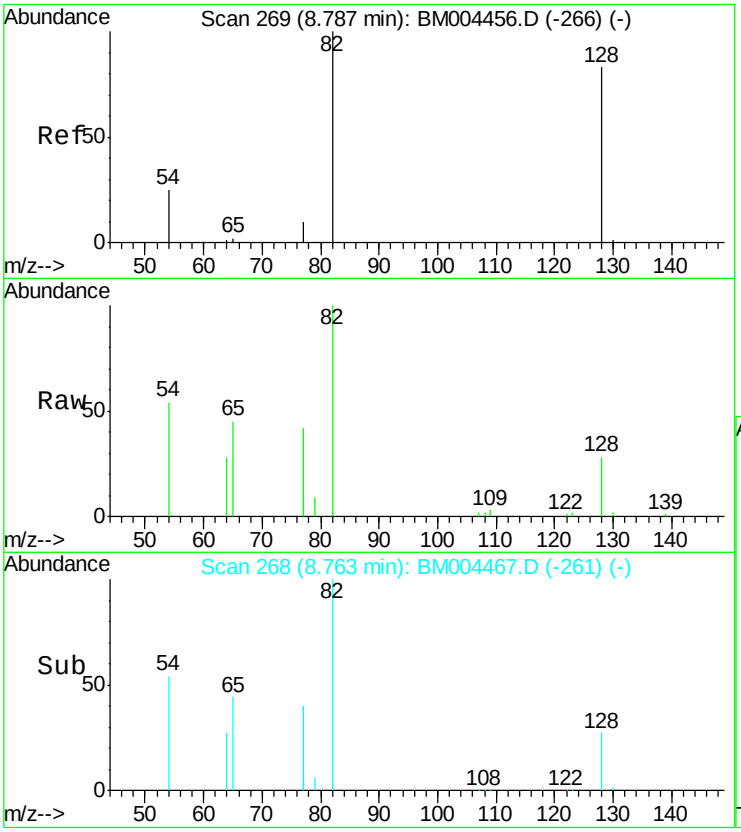




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.38 min Scan# 334
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:136 Resp: 49845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.0 | 12.0 |
| 54 | 7.7 | 7.0 | 10.6 |
| 68 | 6.8 | 5.8 | 8.6 |



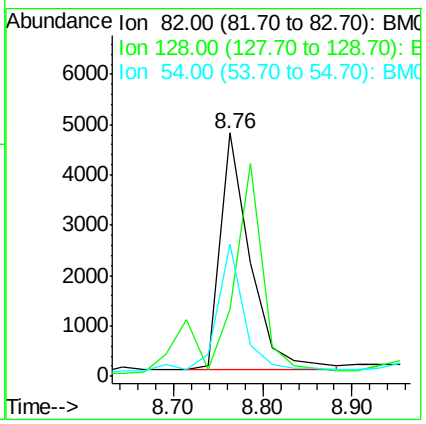


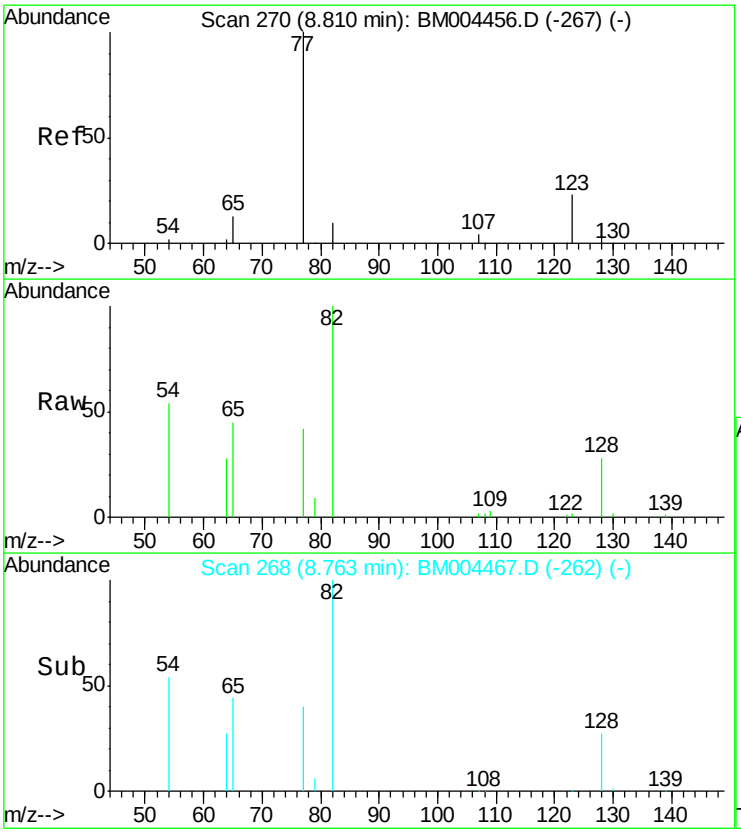

#8
Nitrobenzene-d5
Concen: 4.03 ng
RT: 8.76 min Scan# 268
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion: 82 Resp: 11103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 27.7 | 67.0 | 100.6# |
| 54 | 54.5 | 25.2 | 37.8# |

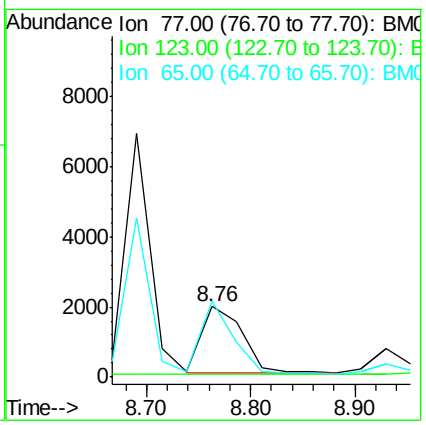


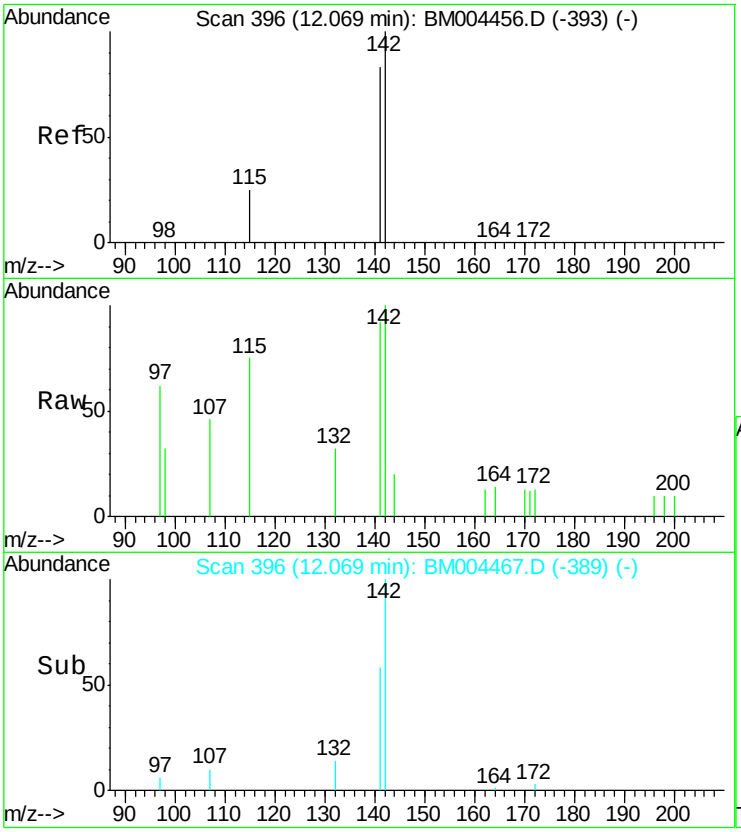




#9
Nitrobenzene
Concen: 1.65 ng
RT: 8.76 min Scan# 268
Delta R.T. -0.05 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion: 77 Resp: 5029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 0.0 | 0.0 |
| 65 | 86.9 | 10.1 | 15.1# |



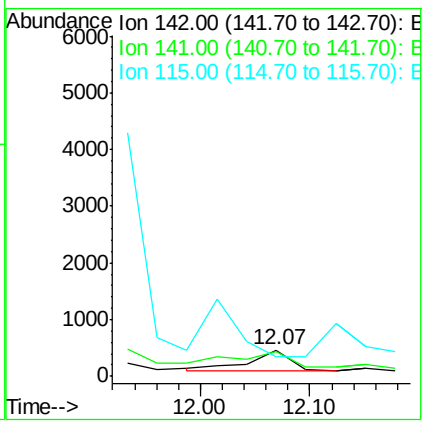


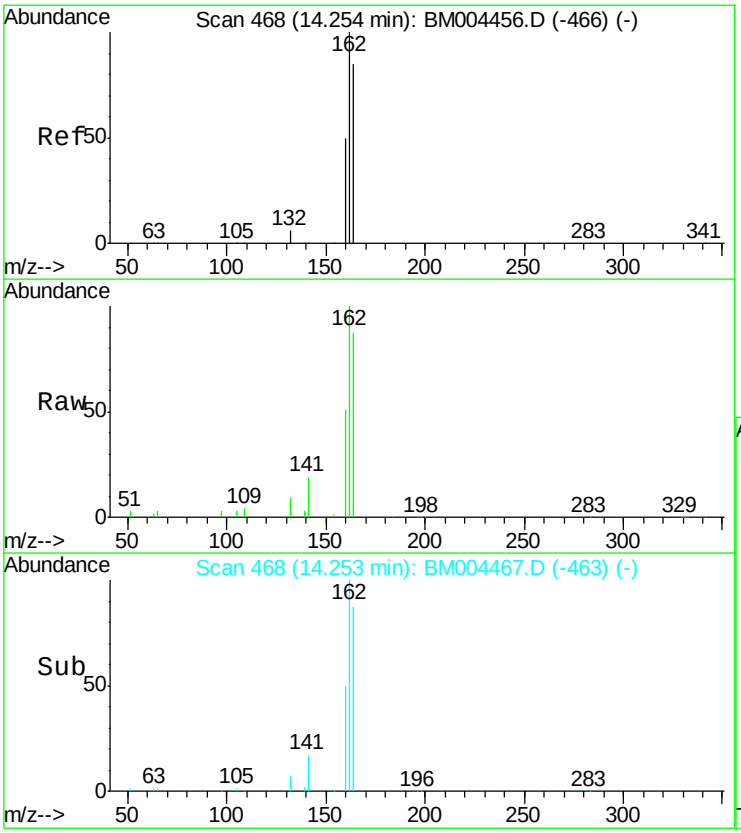

#11
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.07 min Scan# 396
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:142 Resp: 947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 66.4 | 99.6 |
| 115 | 74.8 | 21.6 | 32.4# |

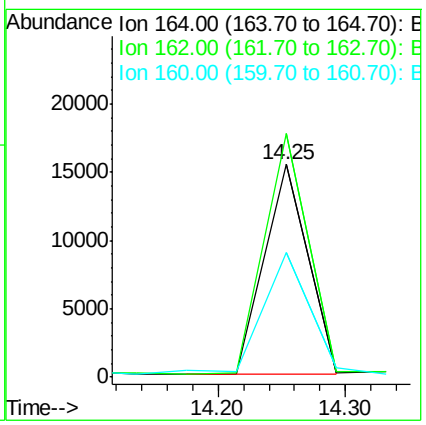


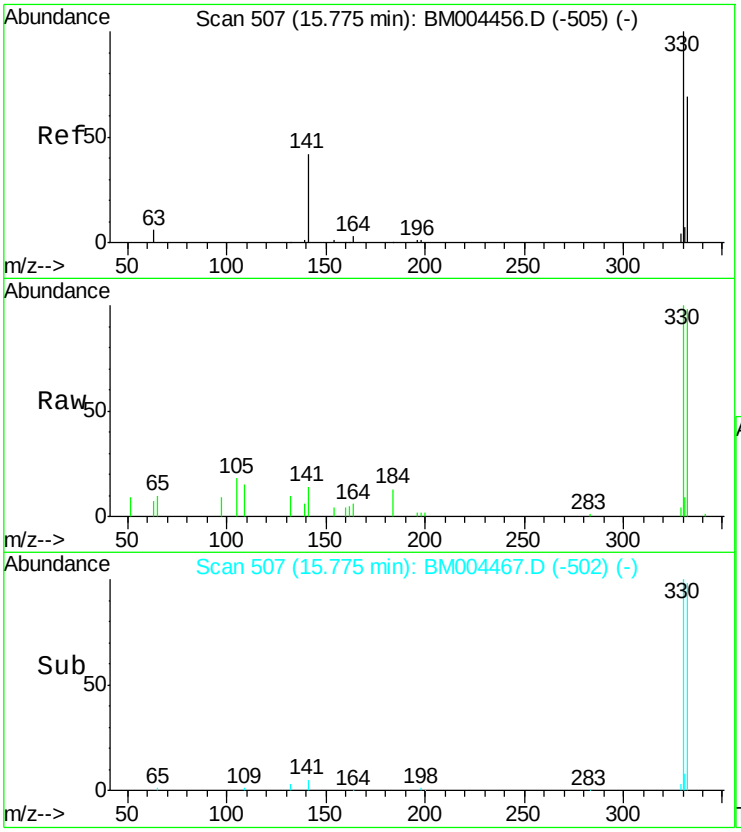




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.25 min Scan# 468
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:164 Resp: 36410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 114.6 | 94.6 | 141.8 |
| 160 | 58.6 | 47.0 | 70.4 |



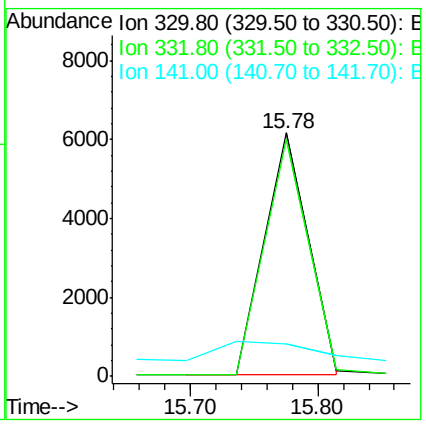


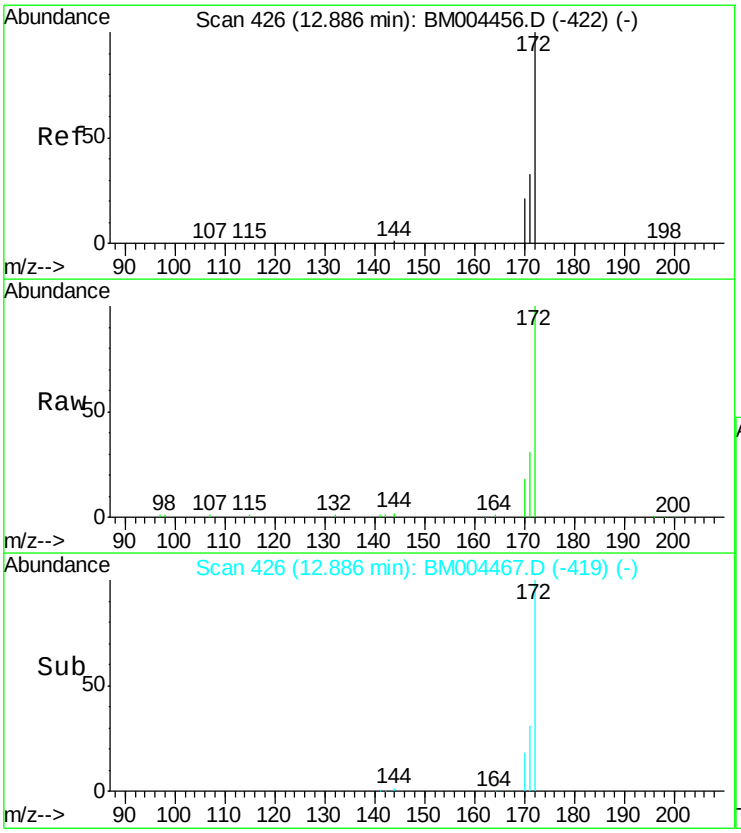

#13
2,4,6-Tribromophenol
Concen: 7.82 ng
RT: 15.78 min Scan# 507
Delta R.T. 0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:330 Resp: 14564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.9 | 59.2 | 88.8# |
| 141 | 0.0 | 33.0 | 49.4# |

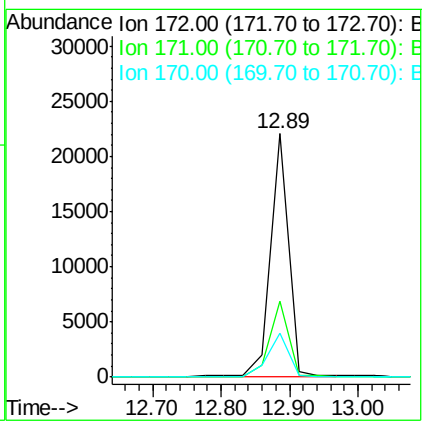


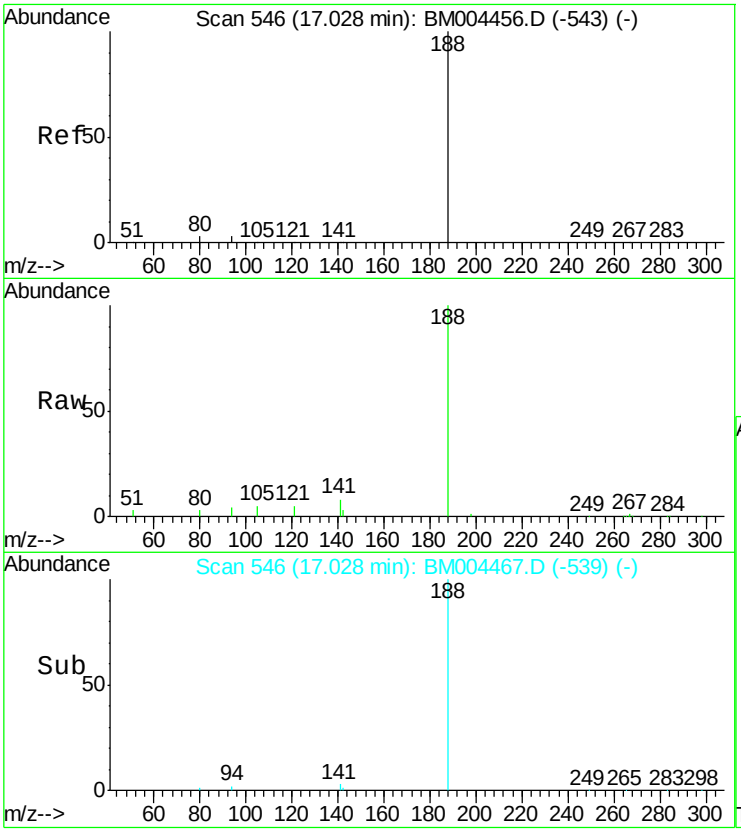




#14
2-Fluorobiphenyl
Concen: 3.66 ng
RT: 12.89 min Scan# 426
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:172 Resp: 40668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 31.1 | 27.2 | 40.8 |
| 170 | 18.1 | 17.4 | 26.0 |



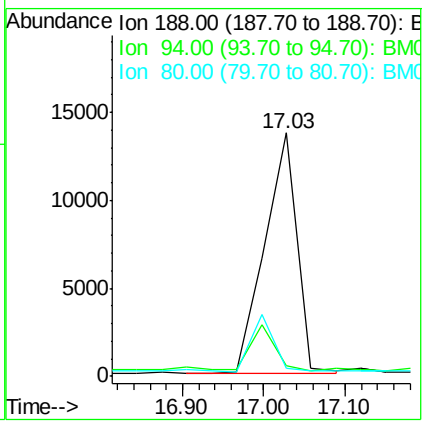


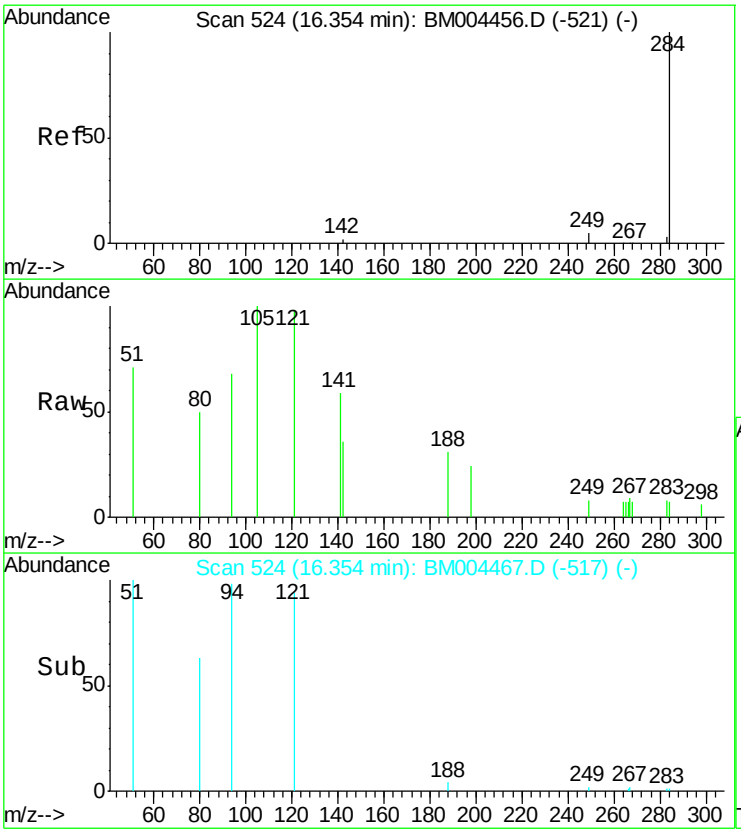

#15
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.03 min Scan# 546
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:188 Resp: 37671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.5 | 2.7 | 4.1# |
| 80 | 3.5 | 2.2 | 3.4# |

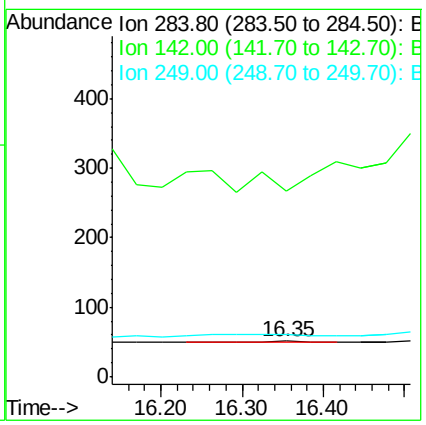


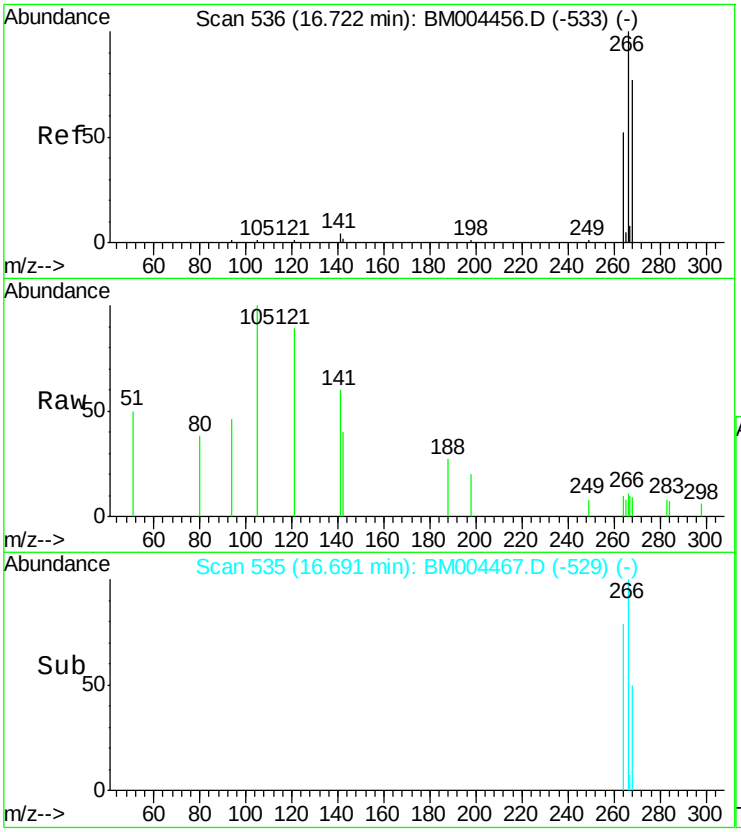




#16
Hexachlorobenzene
Concen: Below Cal
RT: 16.35 min Scan# 524
Delta R.T. 0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:284 Resp: 13

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 0.0 | 0.0 | 0.0 |
| 249 | 0.0 | 0.0 | 0.0 |



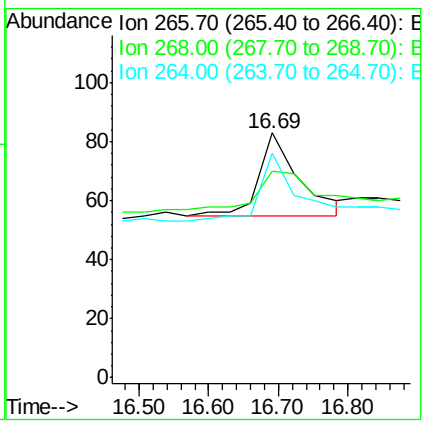


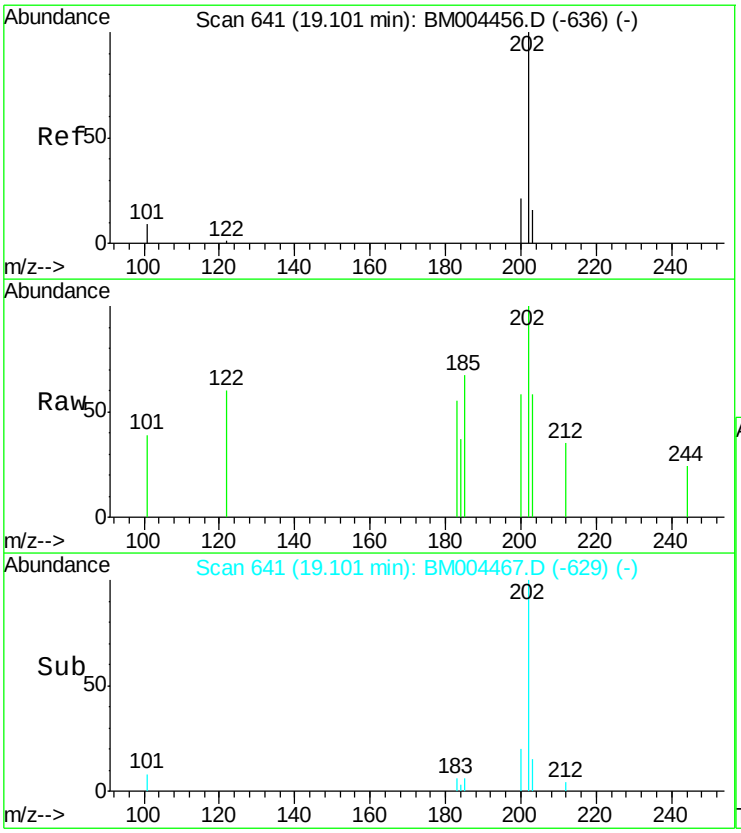

#17
Pentachlorophenol
Concen: 0.44 ng
RT: 16.69 min Scan# 535
Delta R.T. -0.03 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:266 Resp: 110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 84.3 | 66.8 | 100.2 |
| 264 | 91.6 | 49.4 | 74.0# |

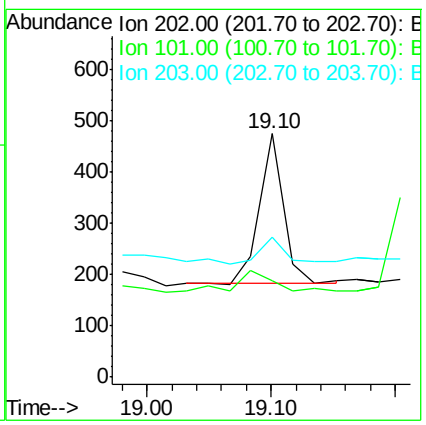


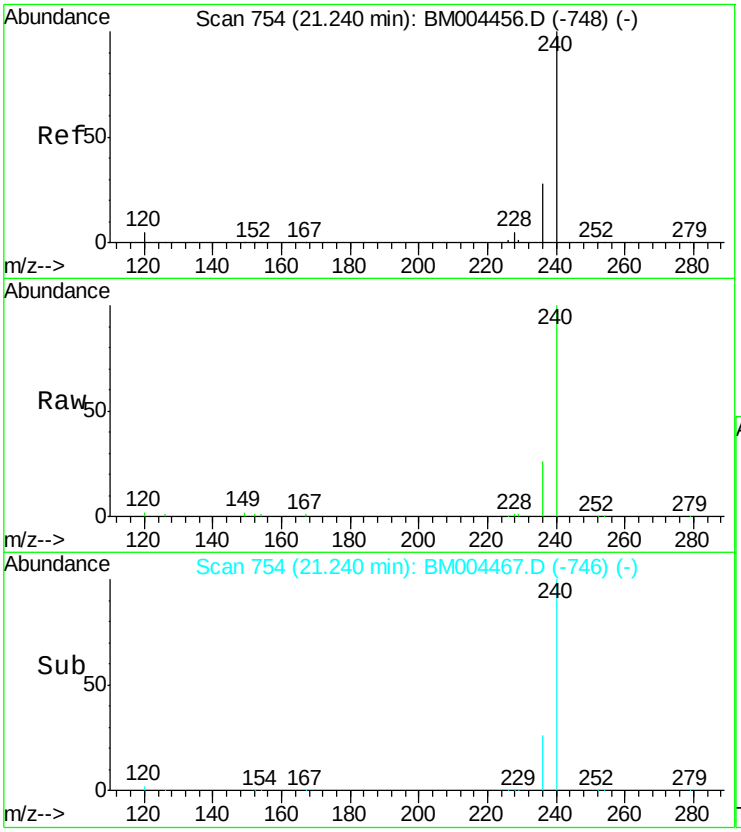




#18
Fluoranthene
Concen: 0.03 ng
RT: 19.10 min Scan# 641
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:202 Resp: 400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 24.8 | 9.4 | 14.0# |
| 203 | 18.0 | 13.9 | 20.9 |



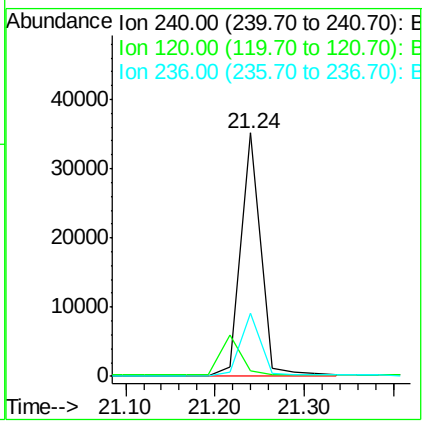


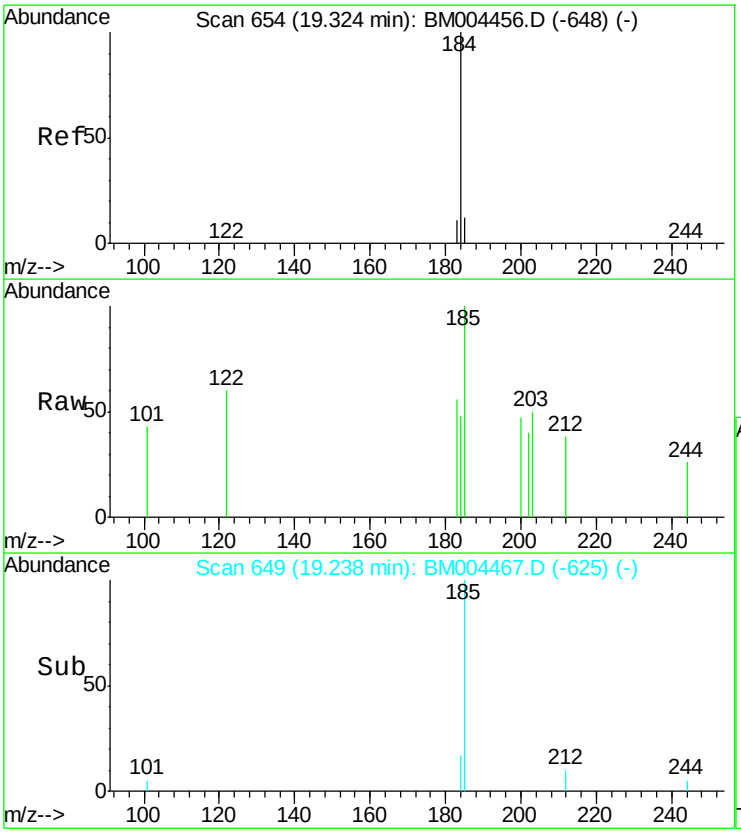

#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:240 Resp: 54759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 2.2 | 4.0 | 6.0# |
| 236 | 25.9 | 22.7 | 34.1 |

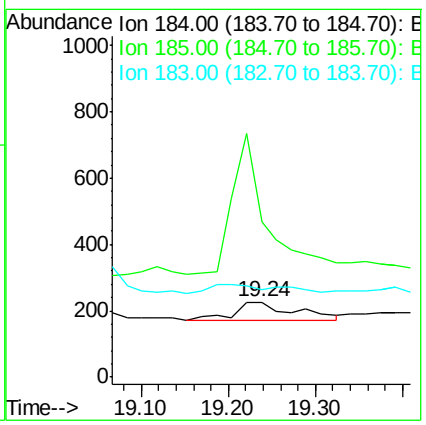


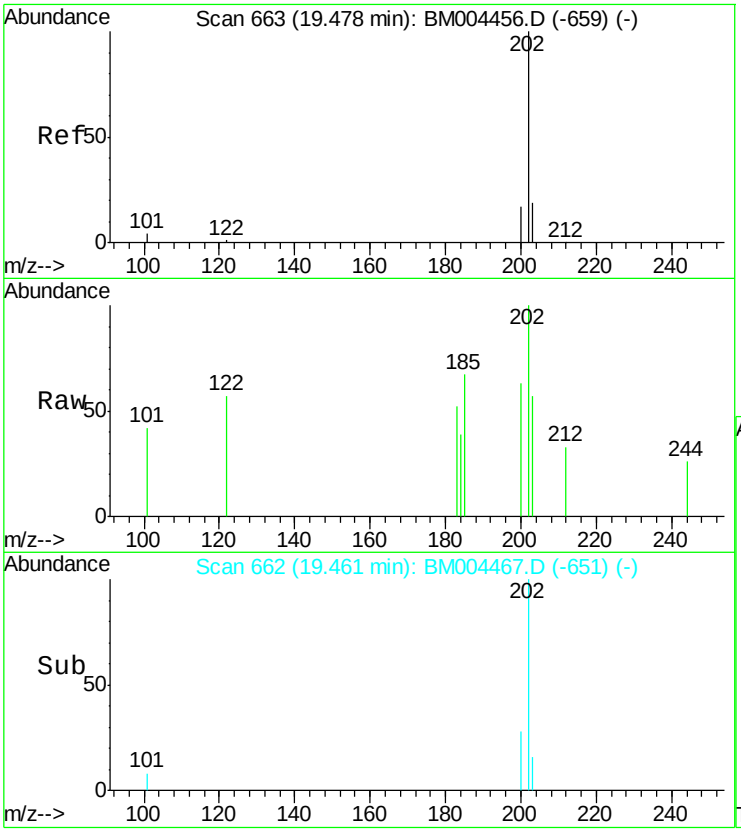




#20
Benzidine
Concen: 0.46 ng
RT: 19.24 min Scan# 649
Delta R.T. -0.09 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:184 Resp: 246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 207.0 | 20.8 | 31.2# |
| 183 | 116.7 | 18.5 | 27.7# |



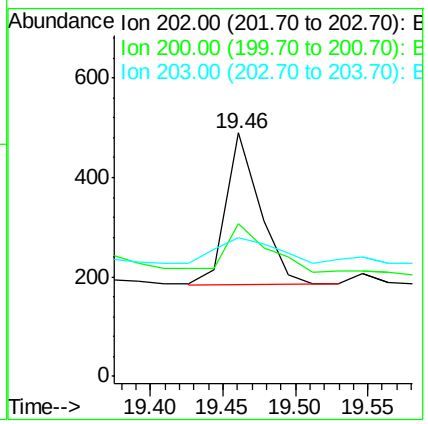


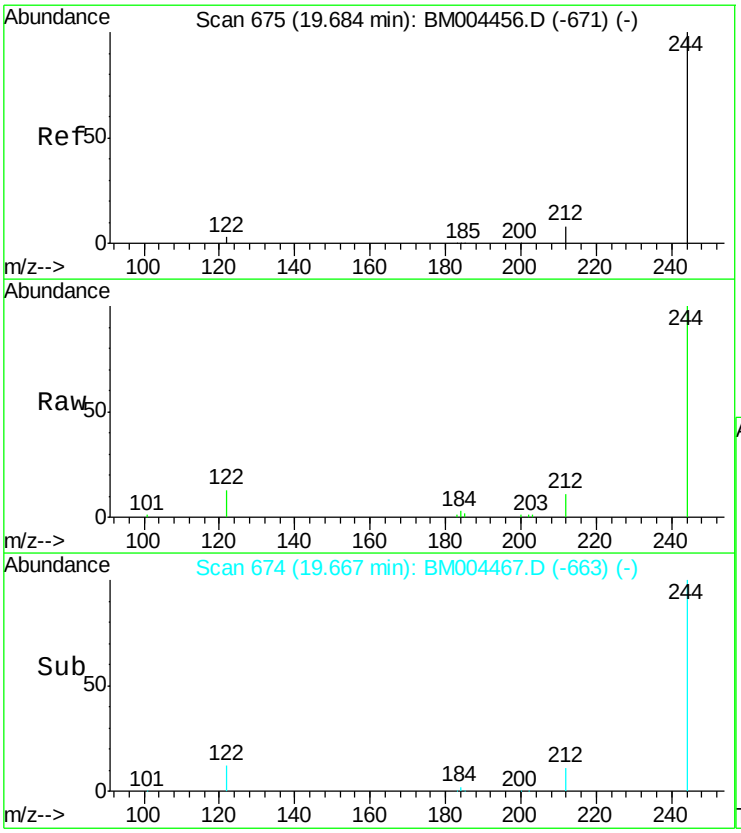

#21
Pyrene
Concen: 0.03 ng
RT: 19.46 min Scan# 662
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:202 Resp: 500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 46.0 | 16.6 | 24.8# |
| 203 | 29.2 | 13.9 | 20.9# |

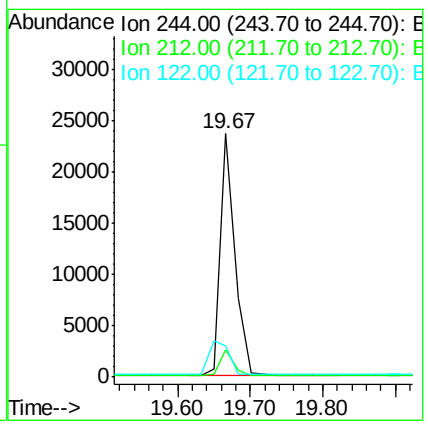


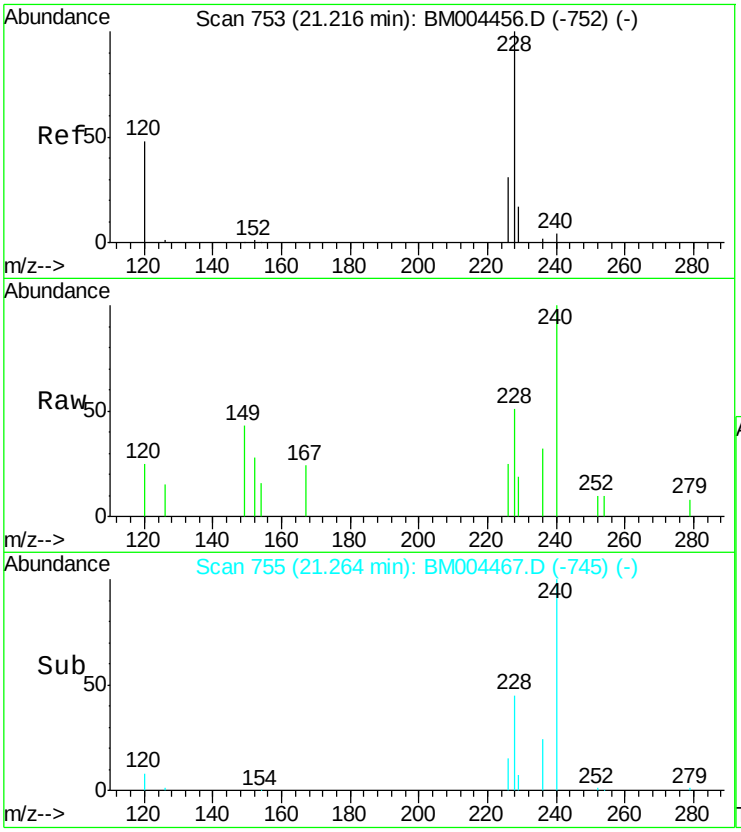




#22
Terphenyl-d14
Concen: 4.79 ng
RT: 19.67 min Scan# 674
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:244 Resp: 33423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 11.3 | 7.4 | 11.2# |
| 122 | 12.9 | 4.2 | 6.2# |



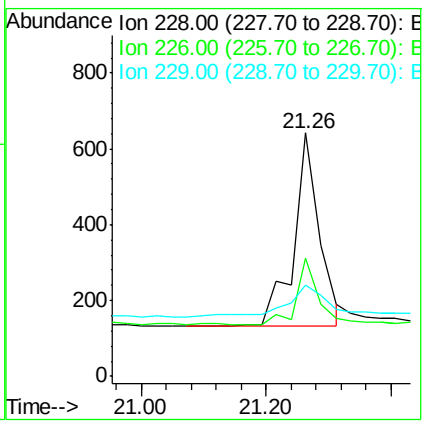


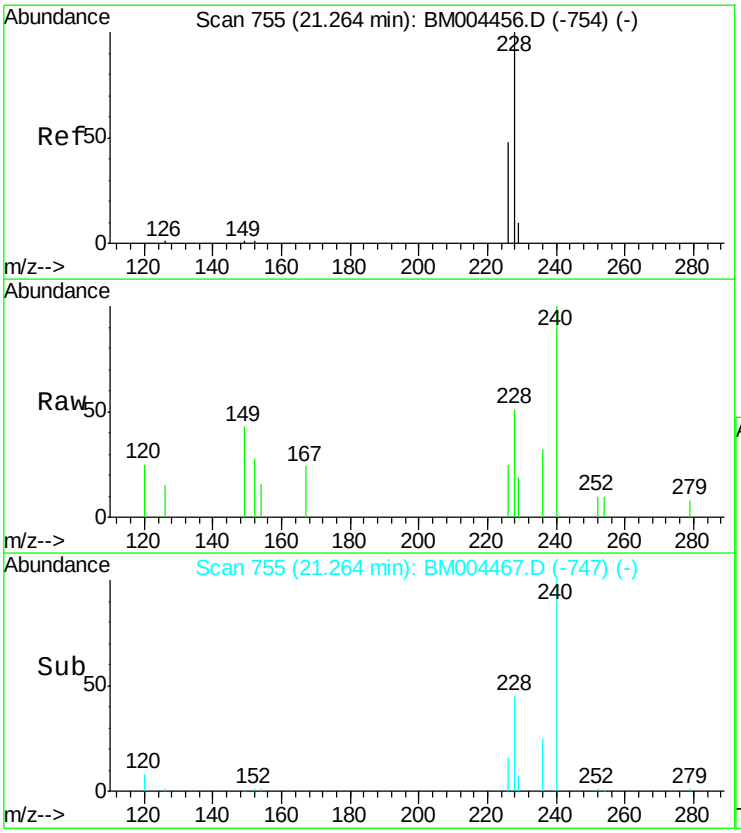

#23
Benzo(a)anthracene
Concen: 0.09 ng
RT: 21.26 min Scan# 755
Delta R.T. 0.05 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:228 Resp: 1464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 48.6 | 25.1 | 37.7# |
| 229 | 37.5 | 14.2 | 21.4# |

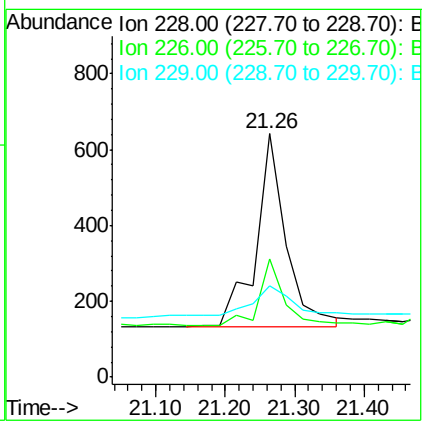


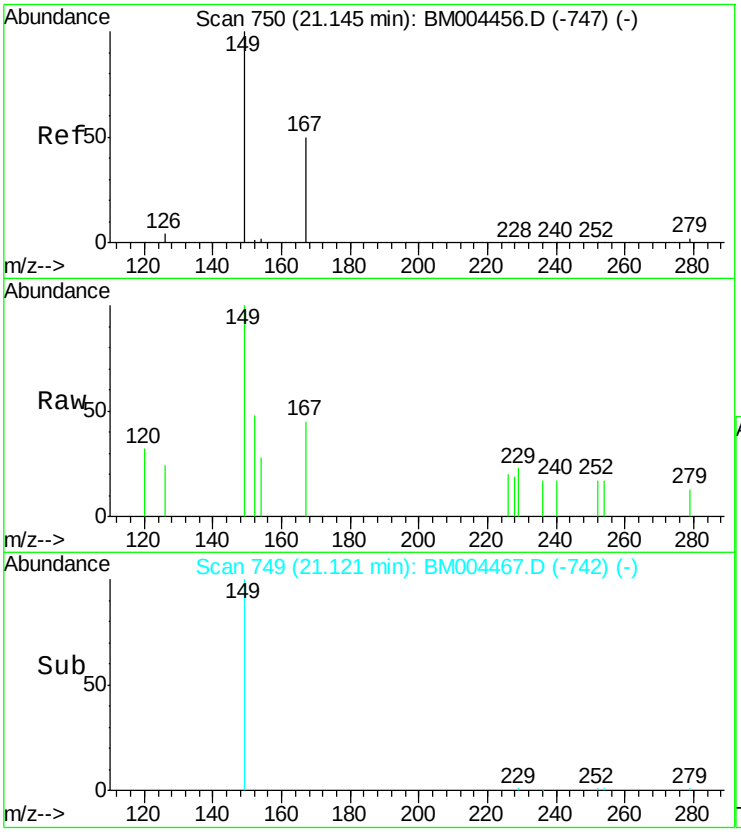




#25
Chrysene
Concen: Below Cal
RT: 21.26 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:228 Resp: 1533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 48.6 | 31.0 | 46.6# |
| 229 | 37.5 | 13.4 | 20.2# |



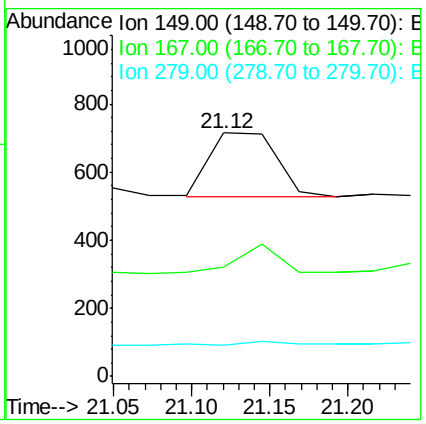


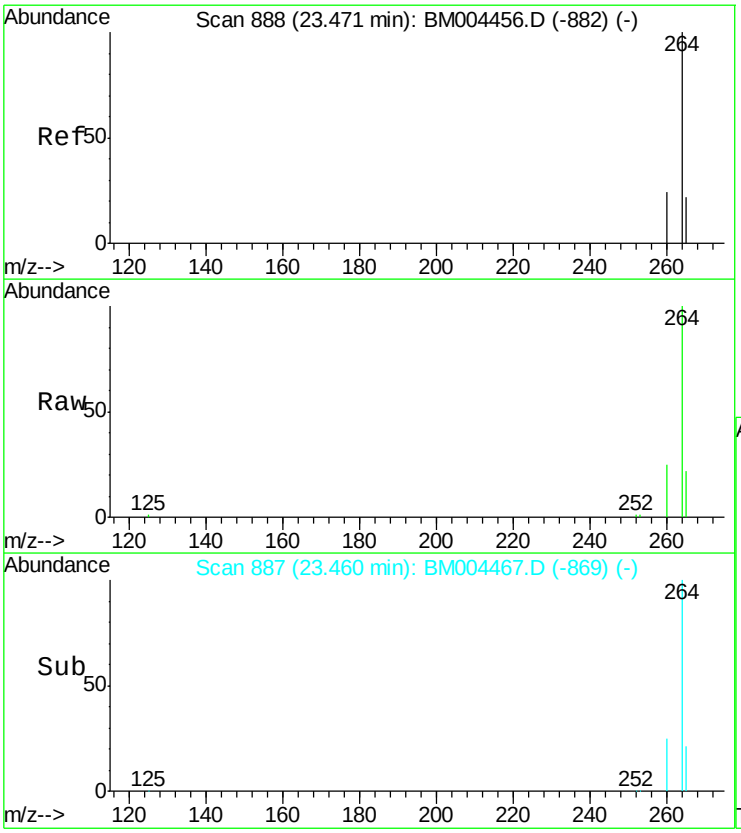

#26
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.12 min Scan# 749
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:149 Resp: 553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 33.1 | 49.7# |
| 279 | 0.0 | 2.0 | 3.0# |

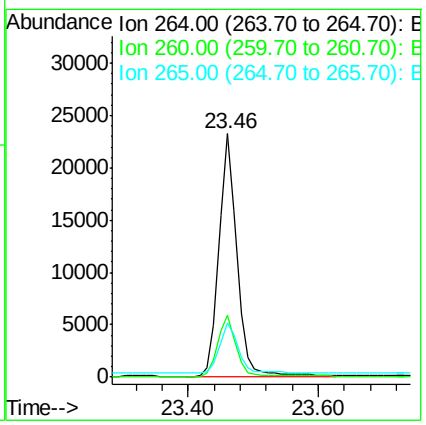


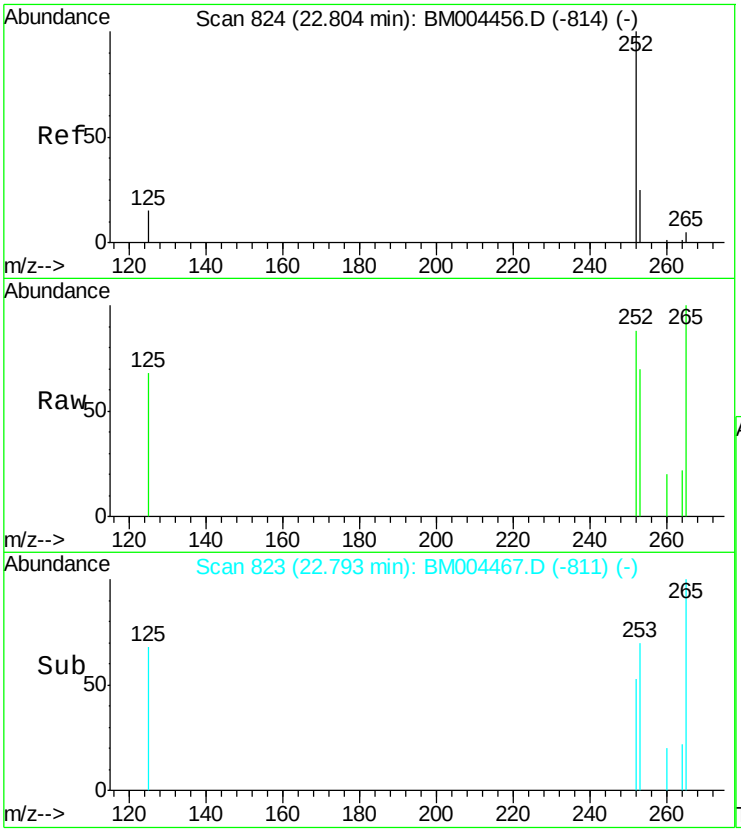




#28
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 887
Delta R.T. -0.01 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:264 Resp: 44292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.4 | 19.4 | 29.2 |
| 265 | 22.4 | 18.9 | 28.3 |



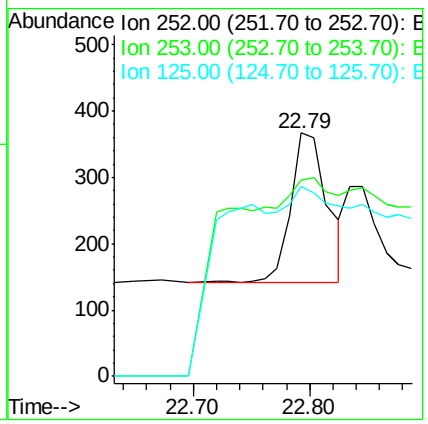


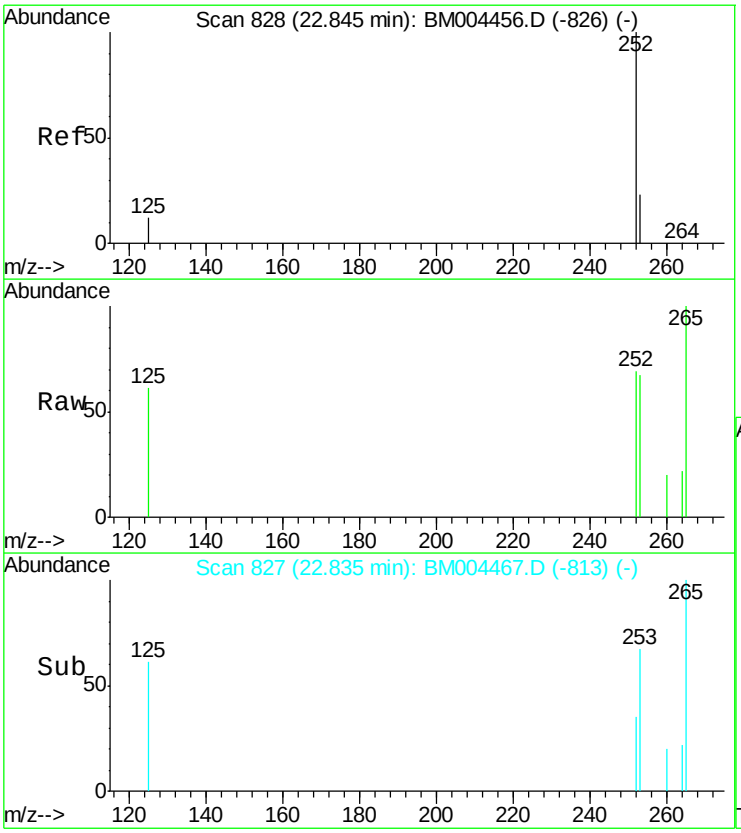

#29
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.79 min Scan# 823
Delta R.T. -0.01 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

**Instrument :**
BNA_M
**ClientSampleId :**
MW-1-FD

Tgt Ion:252 Resp: 556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 80.4 | 19.8 | 29.6# |
| 125 | 77.9 | 12.2 | 18.2# |




#30
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 22.83 min Scan# 827
Delta R.T. -0.01 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:252 Resp: 298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 97.6 | 19.3 | 28.9# |
| 125 | 88.5 | 12.4 | 18.6# |