Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042523.D
Acq On : 28 Aug 2019 3:13
Operator : HP/JU
Sample : K4526-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** T9-12-13-F1-F4-(0-1.9)

Quant Time: Aug 28 04:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.99 | 152 | 43252 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.82 | 136 | 162092 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 114913 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 257310 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.68 | 240 | 313152 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 24.93 | 264 | 366193 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 223738 | 104.77 | ng | | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 300394 | 104.13 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 175552 | 74.84 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 182918 | 111.99 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 500086 | 73.60 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 917754 | 63.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 7.19 | 94 | 12829 | 4.374 | ng | | 85 |
| 50) Dimethylphthalate | 14.11 | 163 | 37611 | 4.536 | ng | | 100 |
| 75) Fluoranthene | 19.47 | 202 | 77476 | 4.967 | ng | | 91 |
| 78) Pyrene | 19.83 | 202 | 74832 | 3.898 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 51878 | 2.723 | ng | | 98 |
| 83) Chrysene | 21.73 | 228 | 48812 | 2.657 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 72430 | 3.598 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.77 | 252 | 51747 | 2.709 | ng | # | 96 |

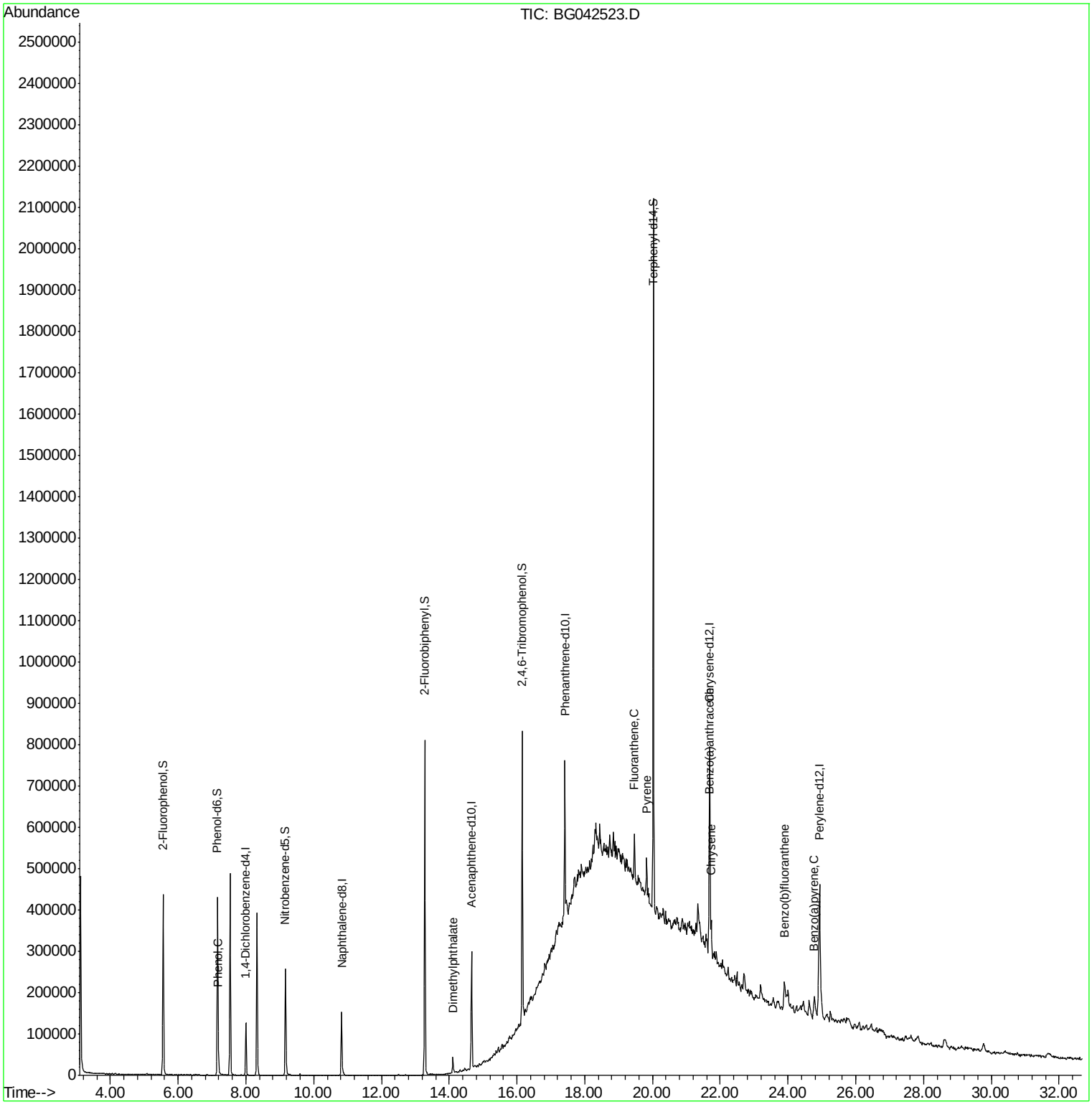
(#) = qualifier out of range (m) = manual integration (+) = signals summed

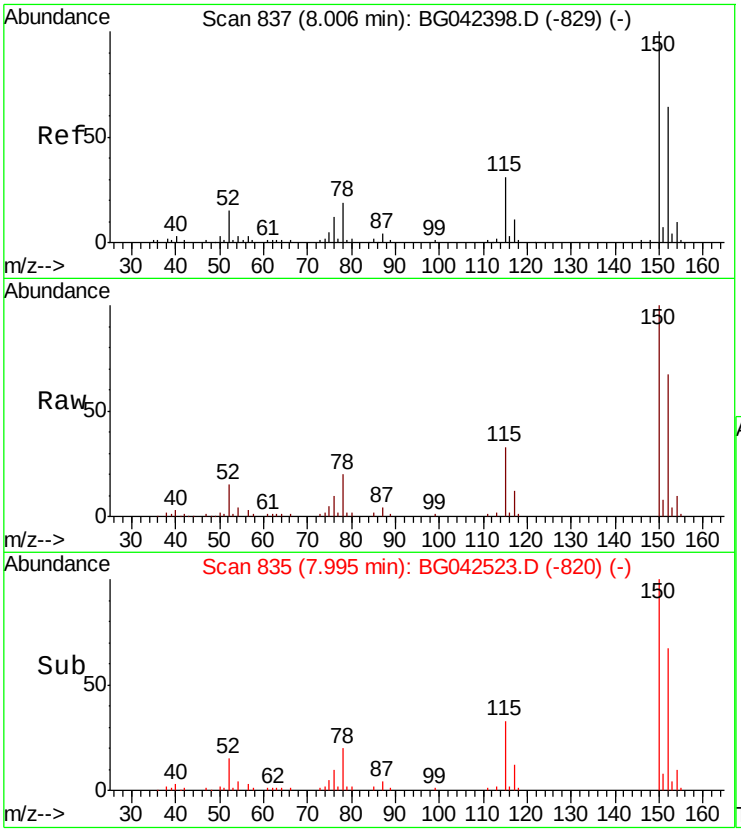
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042523.D
Acq On : 28 Aug 2019 3:13
Operator : HP/JU
Sample : K4526-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Quant Time: Aug 28 04:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration



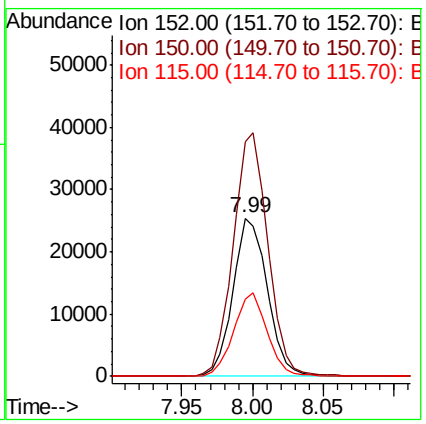


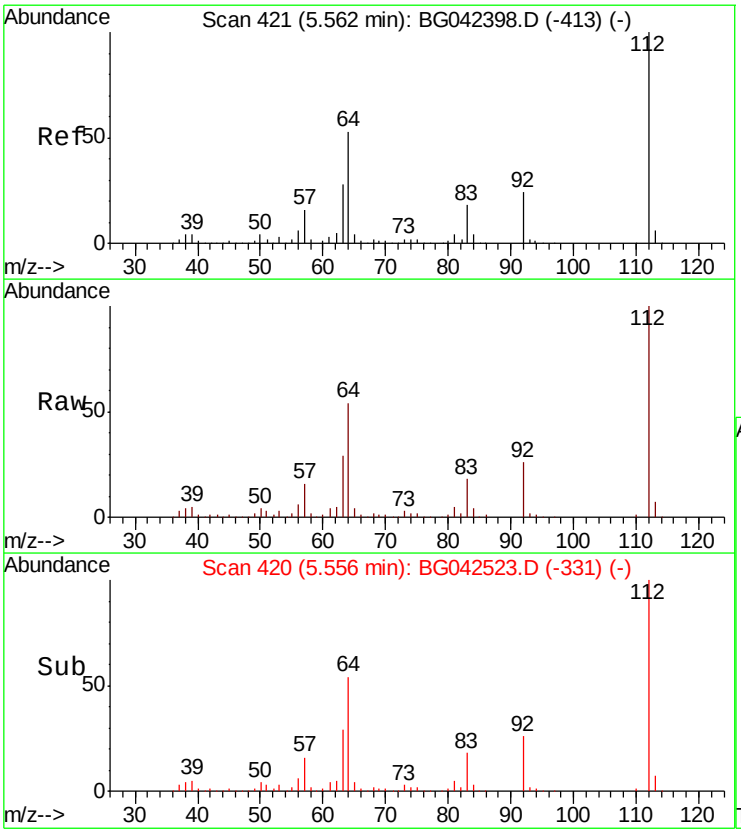

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:152 Resp: 43252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.2 | 125.4 | 188.0 |
| 115 | 48.9 | 38.5 | 57.7 |

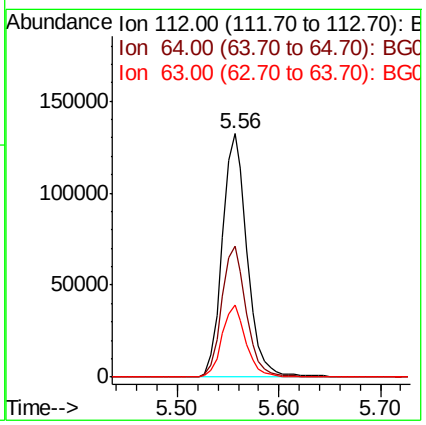


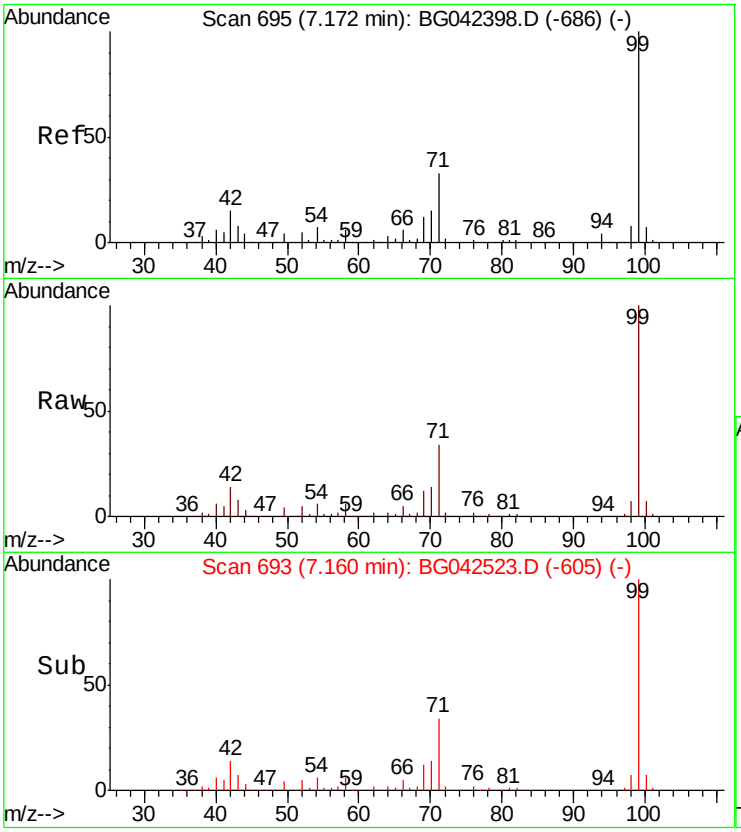




#5
2-Fluorophenol
Concen: 104.766 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:112 Resp: 223738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.9 | 42.8 | 64.2 |
| 63 | 29.4 | 22.7 | 34.1 |



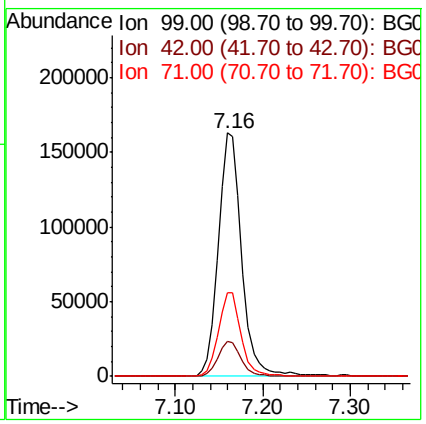


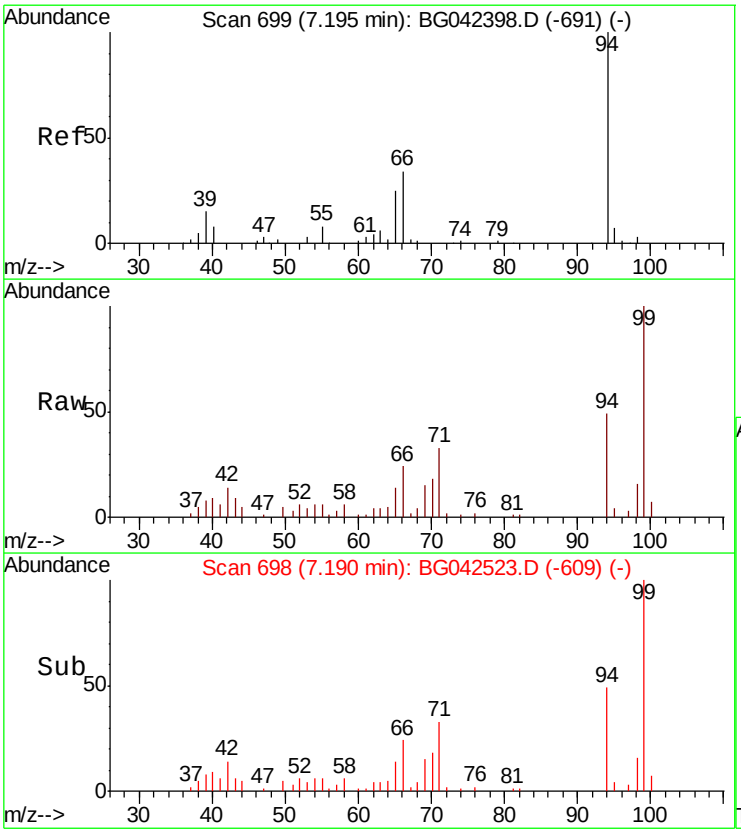

#7
Phenol-d6
Concen: 104.133 ng
RT: 7.16 min Scan# 693
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion: 99 Resp: 300394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.3 | 12.0 | 18.0 |
| 71 | 34.1 | 26.3 | 39.5 |

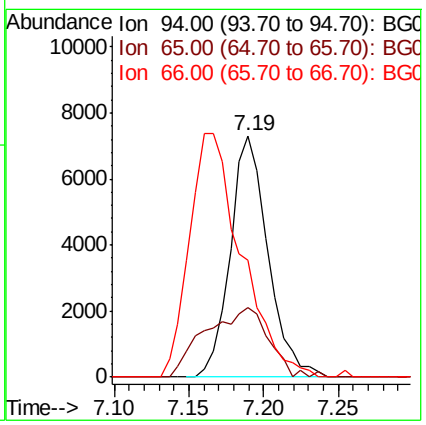


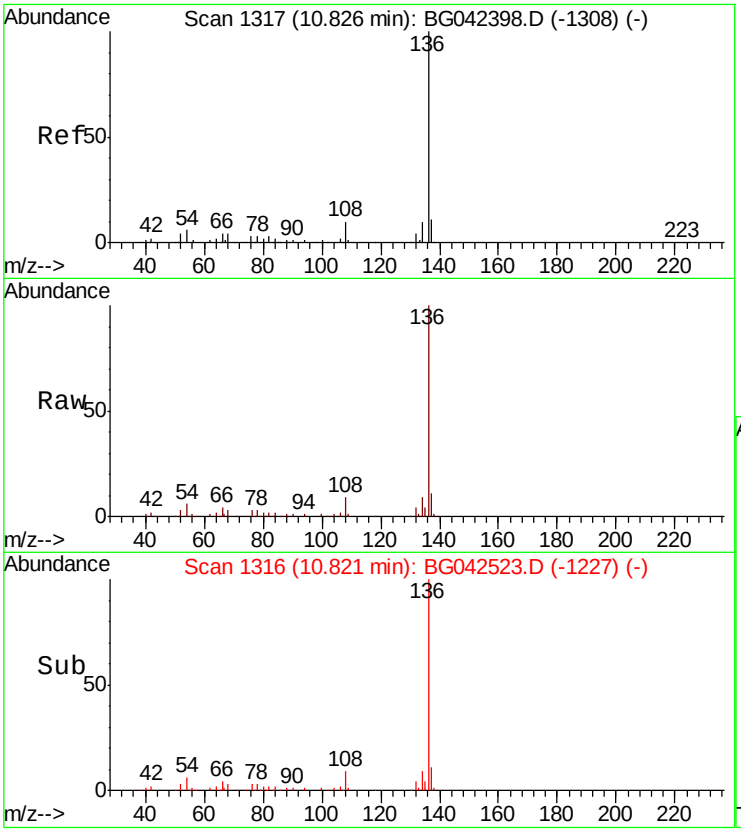




#10
Phenol
Concen: 4.374 ng
RT: 7.19 min Scan# 698
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion: 94 Resp: 12829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.1 | 5.6 | 45.6 |
| 66 | 48.3 | 16.0 | 56.0 |



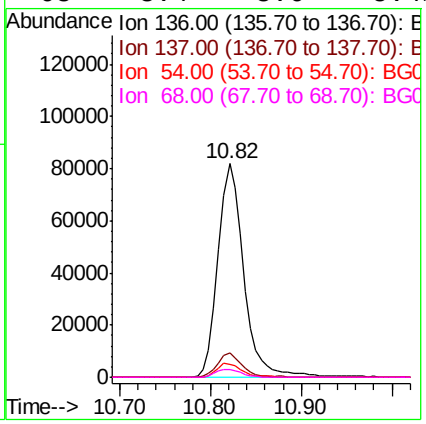


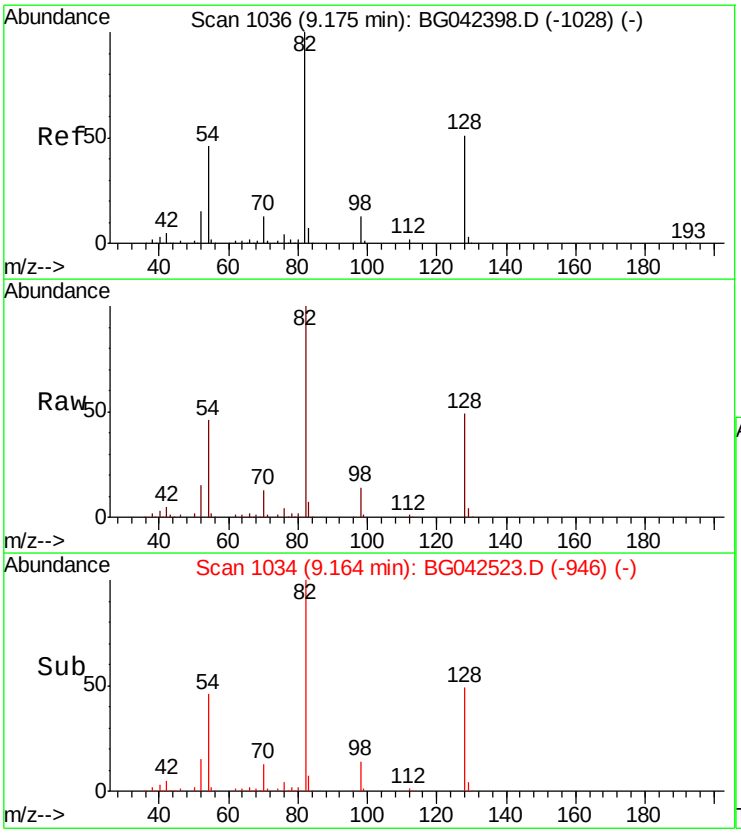

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:136 Resp: 162092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.7 | 13.1 |
| 54 | 6.0 | 4.9 | 7.3 |
| 68 | 3.4 | 3.6 | 5.4# |

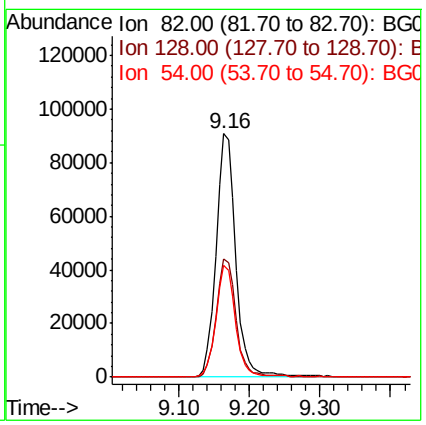


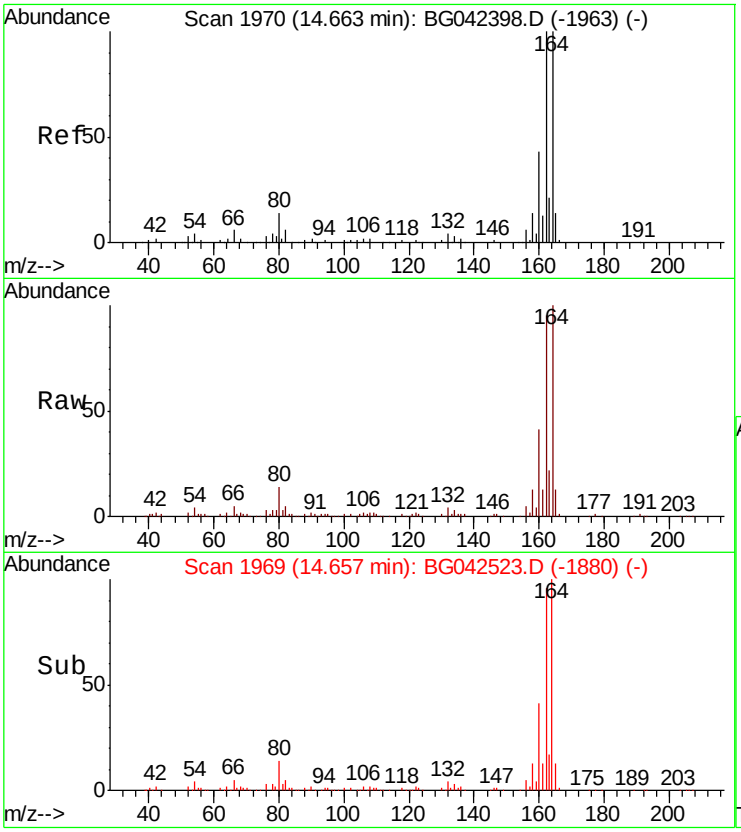




#23
Nitrobenzene-d5
Concen: 74.842 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion: 82 Resp: 175552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.5 | 40.7 | 61.1 |
| 54 | 46.2 | 36.3 | 54.5 |



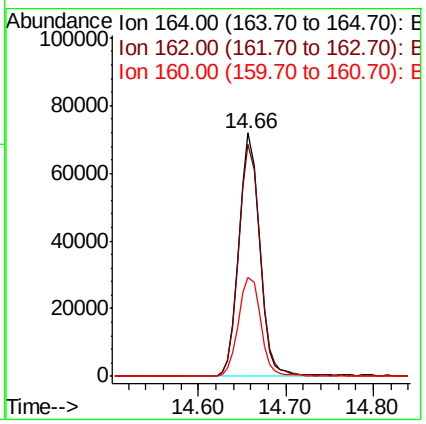


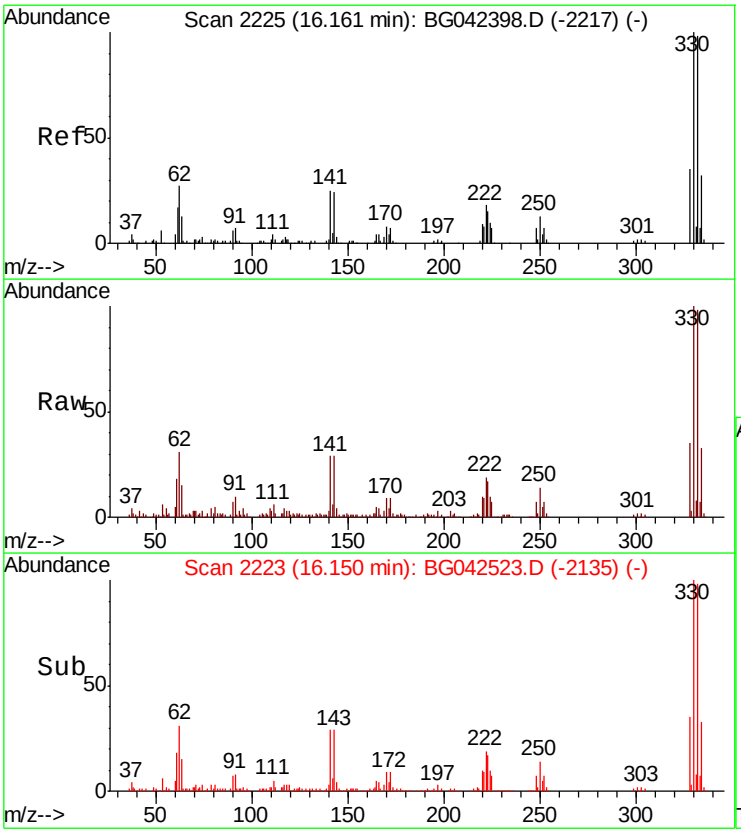

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:164 Resp: 114913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 95.3 | 79.9 | 119.9 |
| 160 | 40.9 | 34.3 | 51.5 |

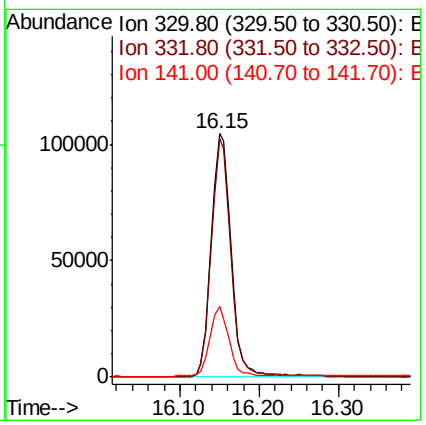


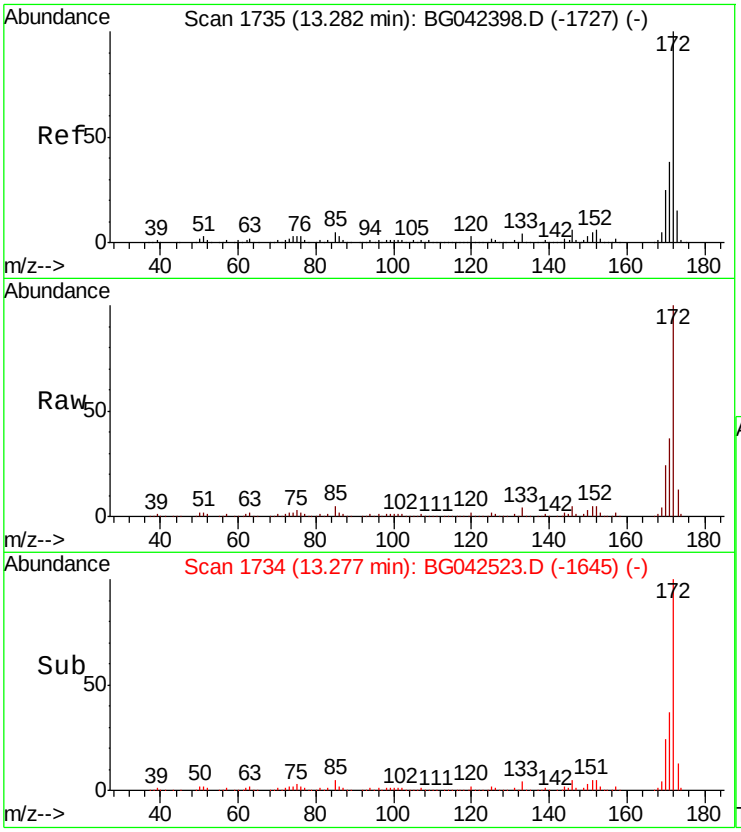




#42
2,4,6-Tribromophenol
Concen: 111.993 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:330 Resp: 182918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 77.4 | 116.0 |
| 141 | 27.8 | 21.4 | 32.0 |



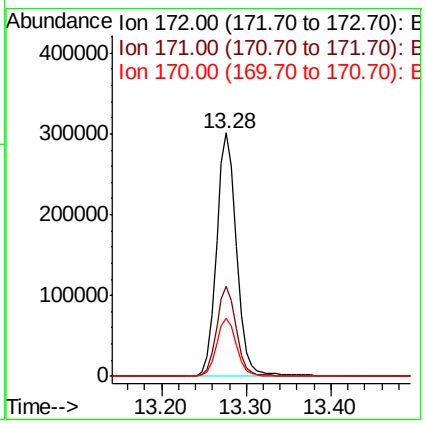


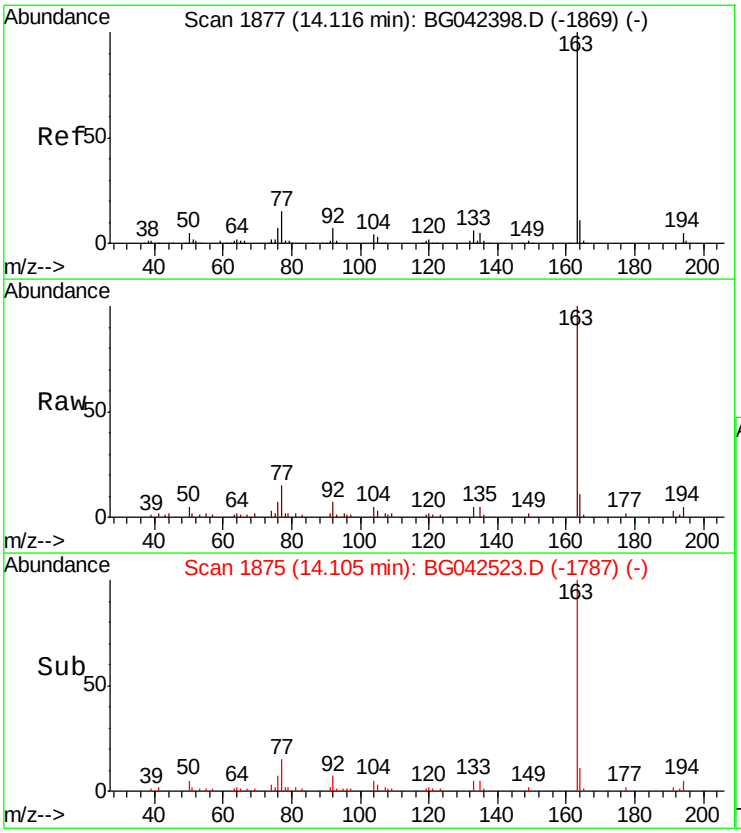

#45
2-Fluorobiphenyl
Concen: 73.602 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:172 Resp: 500086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.1 | 30.5 | 45.7 |
| 170 | 24.1 | 20.2 | 30.2 |

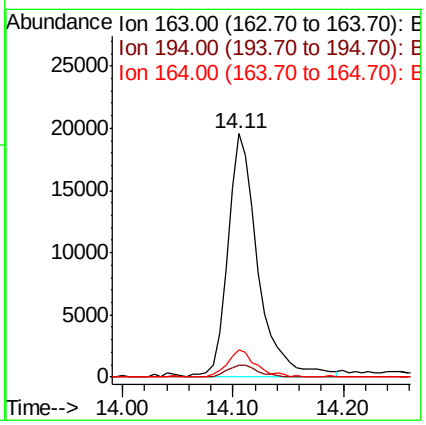


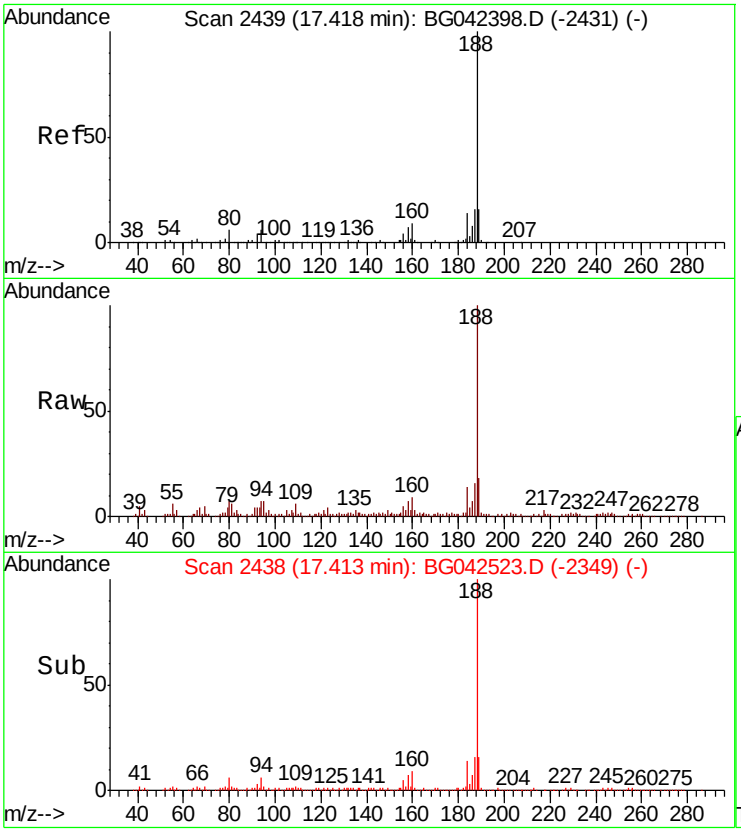




#50
Dimethylphthalate
Concen: 4.536 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:163 Resp: 37611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.0 | 4.2 | 6.2 |
| 164 | 11.0 | 8.8 | 13.2 |



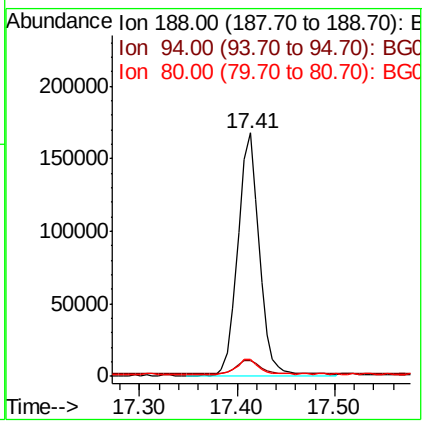


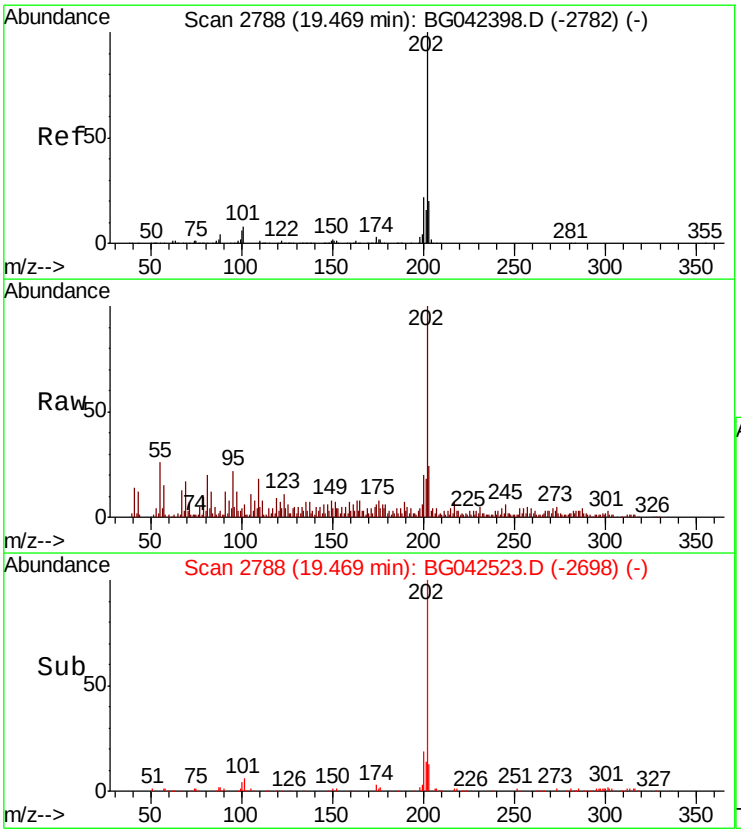

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:188 Resp: 257310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.7 | 4.5 | 6.7# |
| 80 | 6.8 | 4.9 | 7.3 |

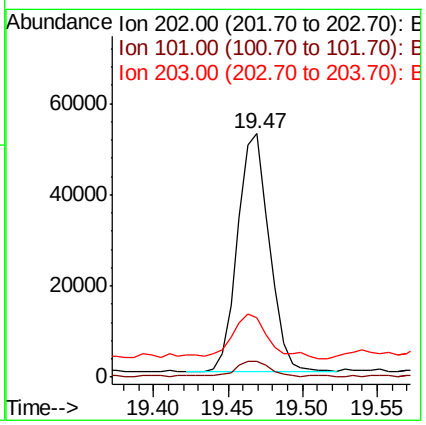


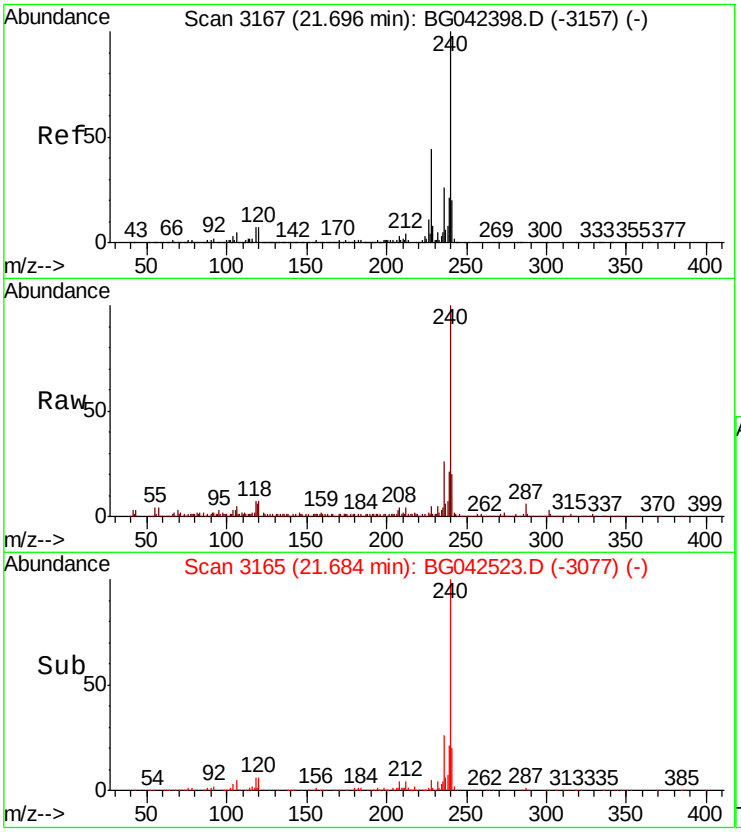




#75
Fluoranthene
Concen: 4.967 ng
RT: 19.47 min Scan# 2788
Delta R.T. 0.00 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:202 Resp: 77476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.2 | 0.0 | 28.3 |
| 203 | 24.4 | 0.0 | 39.6 |



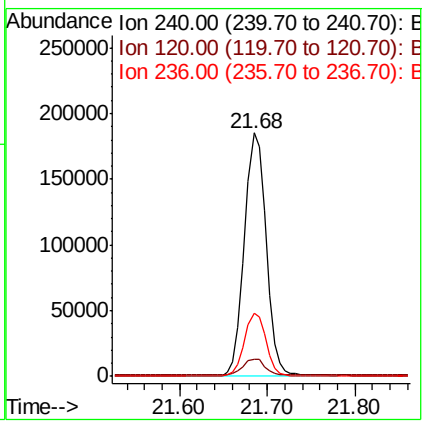


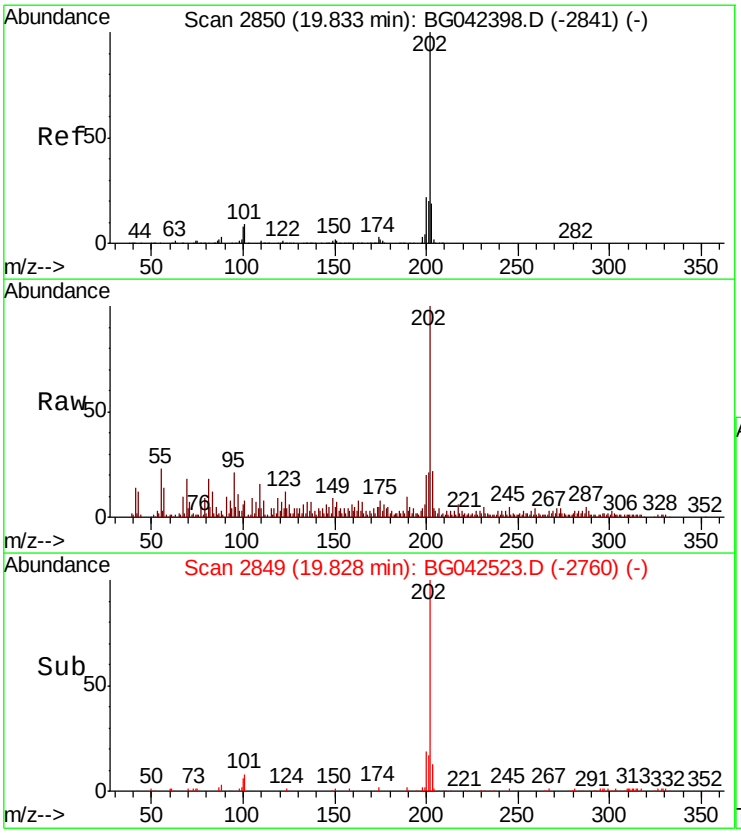

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:240 Resp: 313152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.0 | 5.7 | 8.5 |
| 236 | 25.8 | 21.0 | 31.4 |

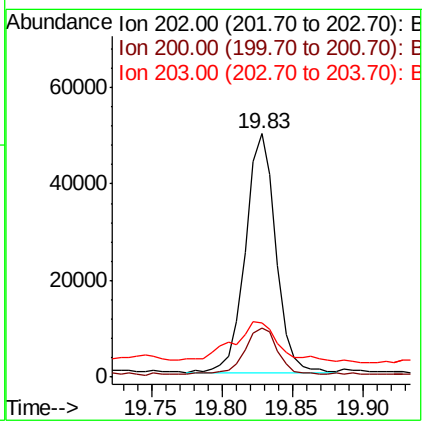


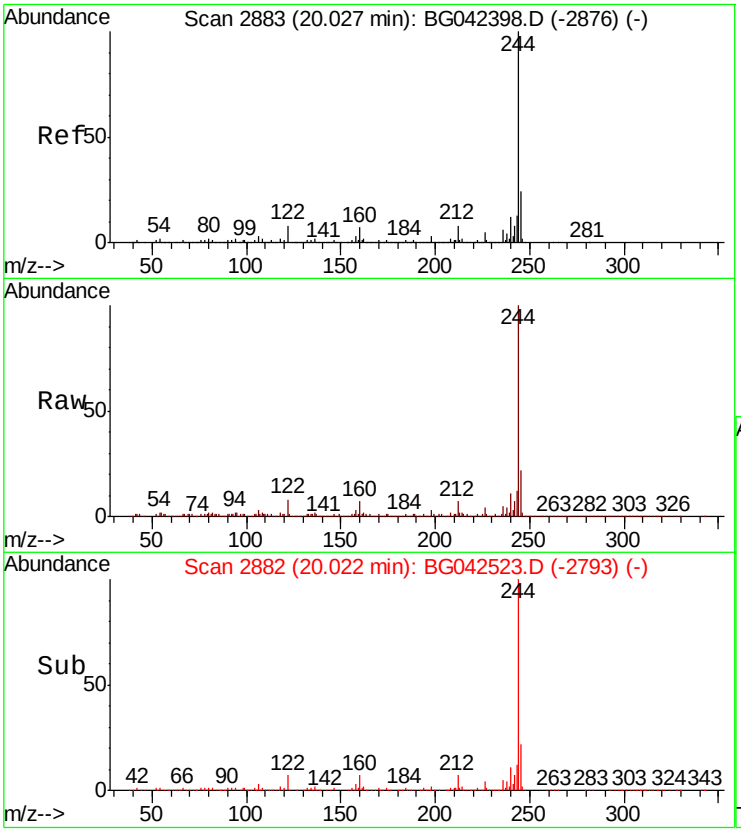




#78
Pyrene
Concen: 3.898 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:202 Resp: 74832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.1 | 17.8 | 26.6 |
| 203 | 22.4 | 15.5 | 23.3 |



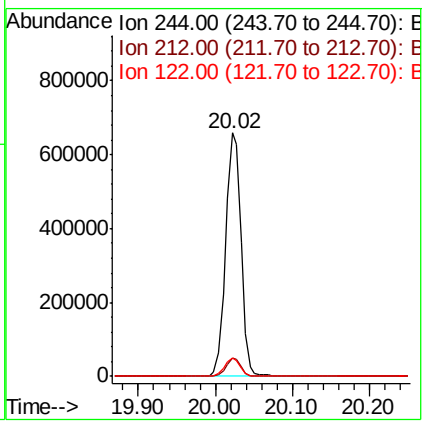


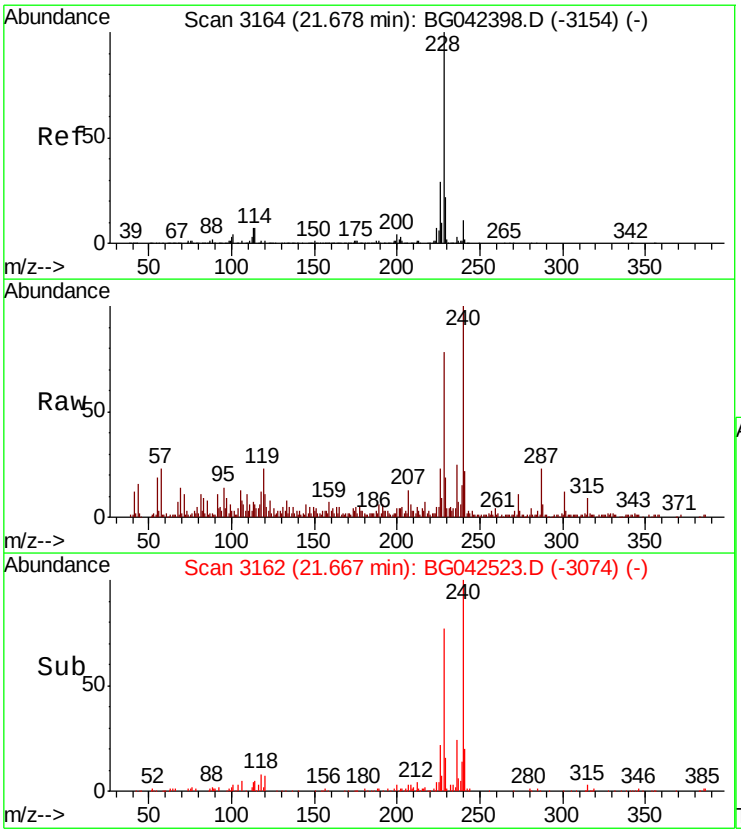

#79
Terphenyl-d14
Concen: 63.359 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:244 Resp: 917754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 7.6 | 6.7 | 10.1 |

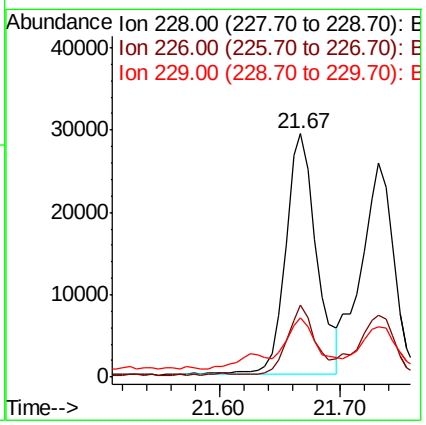


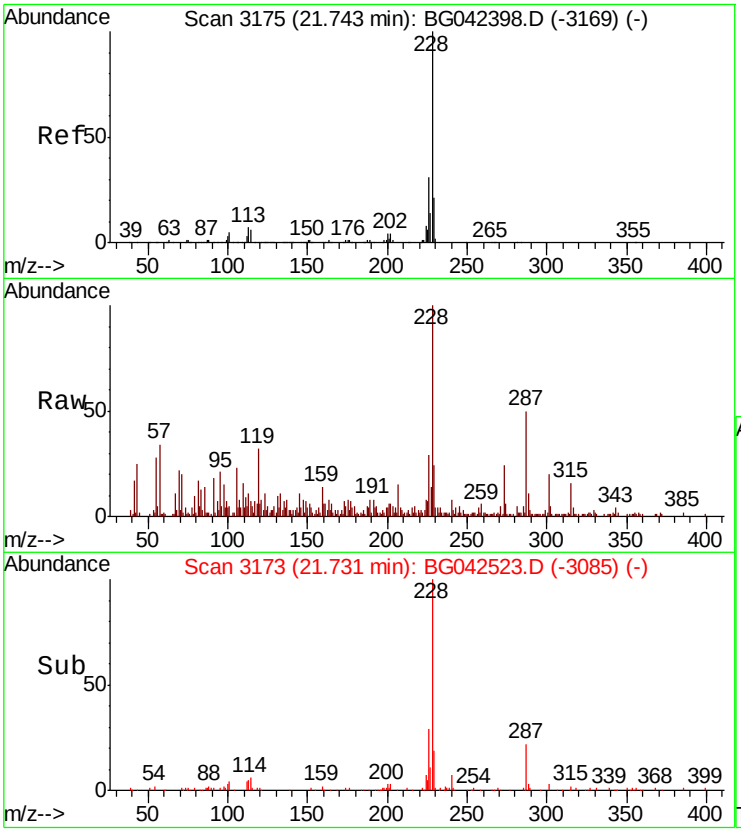




#81
Benzo(a)anthracene
Concen: 2.723 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:228 Resp: 51878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.4 | 35.2 |
| 229 | 24.3 | 17.4 | 26.2 |



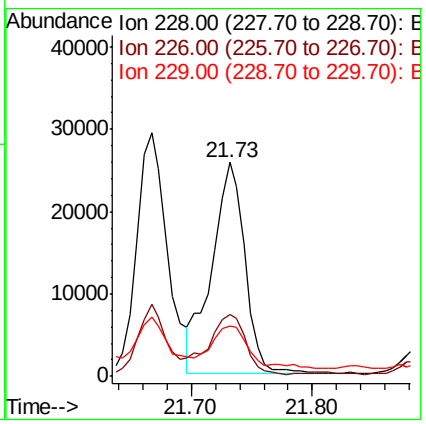


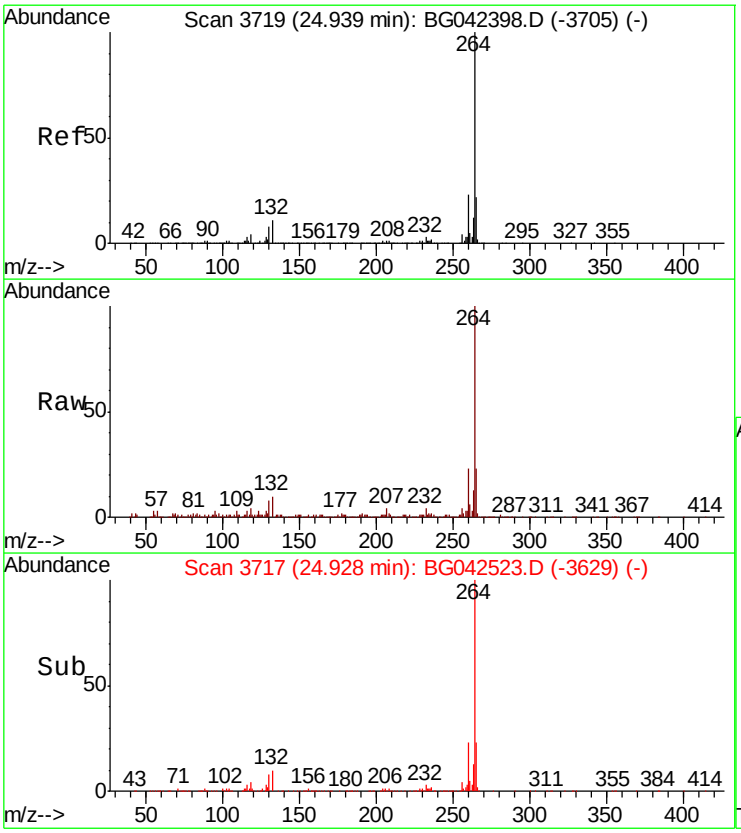

#83
Chrysene
Concen: 2.657 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:228 Resp: 48812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 24.9 | 37.3 |
| 229 | 23.5 | 16.9 | 25.3 |

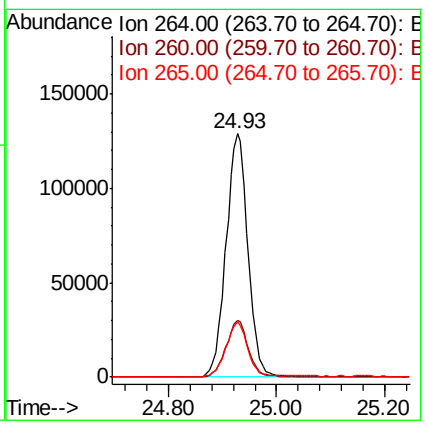


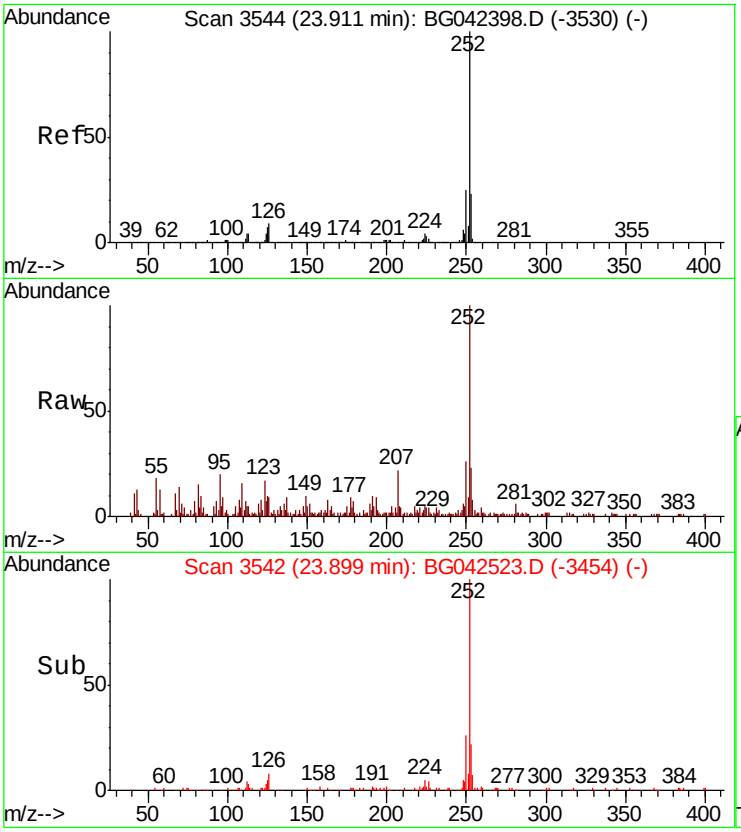




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:264 Resp: 366193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 23.0 | 17.6 | 26.4 |



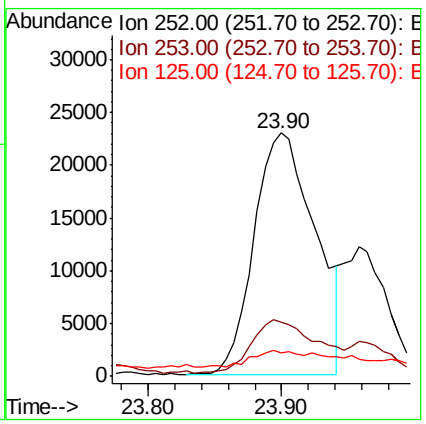


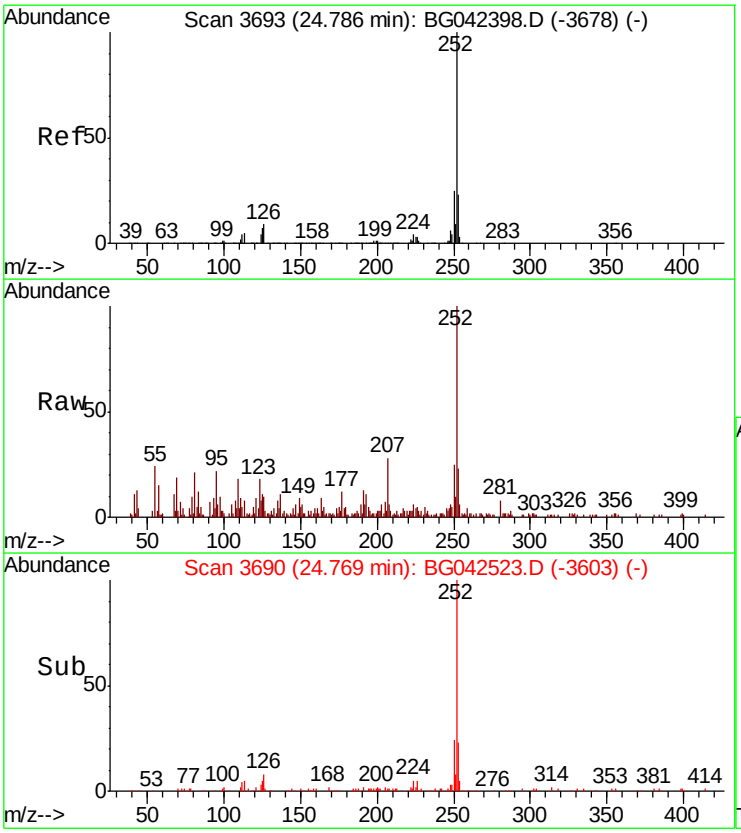

#88
Benzo(b)fluoranthene
Concen: 3.598 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

**Instrument :**
BNA_G
**ClientSampleId :**
T9-12-13-F1-F4-(0-1.9)

Tgt Ion:252 Resp: 72430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 18.6 | 27.8 |
| 125 | 9.8 | 5.6 | 8.4# |




#90
Benzo(a)pyrene
Concen: 2.709 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:252 Resp: 51747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 18.4 | 27.6 |
| 125 | 11.4 | 6.0 | 9.0# |