Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043474.D
Acq On : 1 Nov 2019 20:32
Operator : JU
Sample : K5138-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AU-05-103019

Quant Time: Nov 22 05:37:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 19 15:23:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 50725 | 20.00 | ng | | 0.02 |
| 21) Naphthalene-d8 | 10.82 | 136 | 190725 | 20.00 | ng | | 0.03 |
| 39) Acenaphthene-d10 | 14.64 | 164 | 132092 | 20.00 | ng | | 0.02 |
| 64) Phenanthrene-d10 | 17.39 | 188 | 297505 | 20.00 | ng | | 0.02 |
| 76) Chrysene-d12 | 21.65 | 240 | 311064 | 20.00 | ng | | 0.02 |
| 87) Perylene-d12 | 24.85 | 264 | 372393 | 20.00 | ng | | 0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 281926 | 101.85 | ng | | 0.02 |
| 7) Phenol-d6 | 7.20 | 99 | 402573 | 101.08 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 234367 | 63.35 | ng | | 0.02 |
| 42) 2,4,6-Tribromophenol | 16.13 | 330 | 224247 | 89.21 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 623743 | 65.25 | ng | | 0.02 |
| 79) Terphenyl-d14 | 20.00 | 244 | 1060338 | 63.95 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.18 | 70 | 32046 | 12.452 | ng | # | 70 |
| 50) Dimethylphthalate | 14.09 | 163 | 77102 | 7.536 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.66 | 184 | 55 | 7.319 | ng | # | 13 |
| 57) 2,4-Dinitrotoluene | 14.64 | 165 | 18550 | 5.840 | ng | # | 26 |
| 67) 4-Bromophenyl-phenylether | 16.13 | 248 | 14282 | 3.567 | ng | # | 1 |
| 75) Fluoranthene | 19.44 | 202 | 42674 | 2.149 | ng | | 96 |
| 77) Benzidine | 20.00 | 184 | 15688 | 2.506 | ng | # | 91 |
| 78) Pyrene | 19.80 | 202 | 40206 | 2.088 | ng | | 98 |

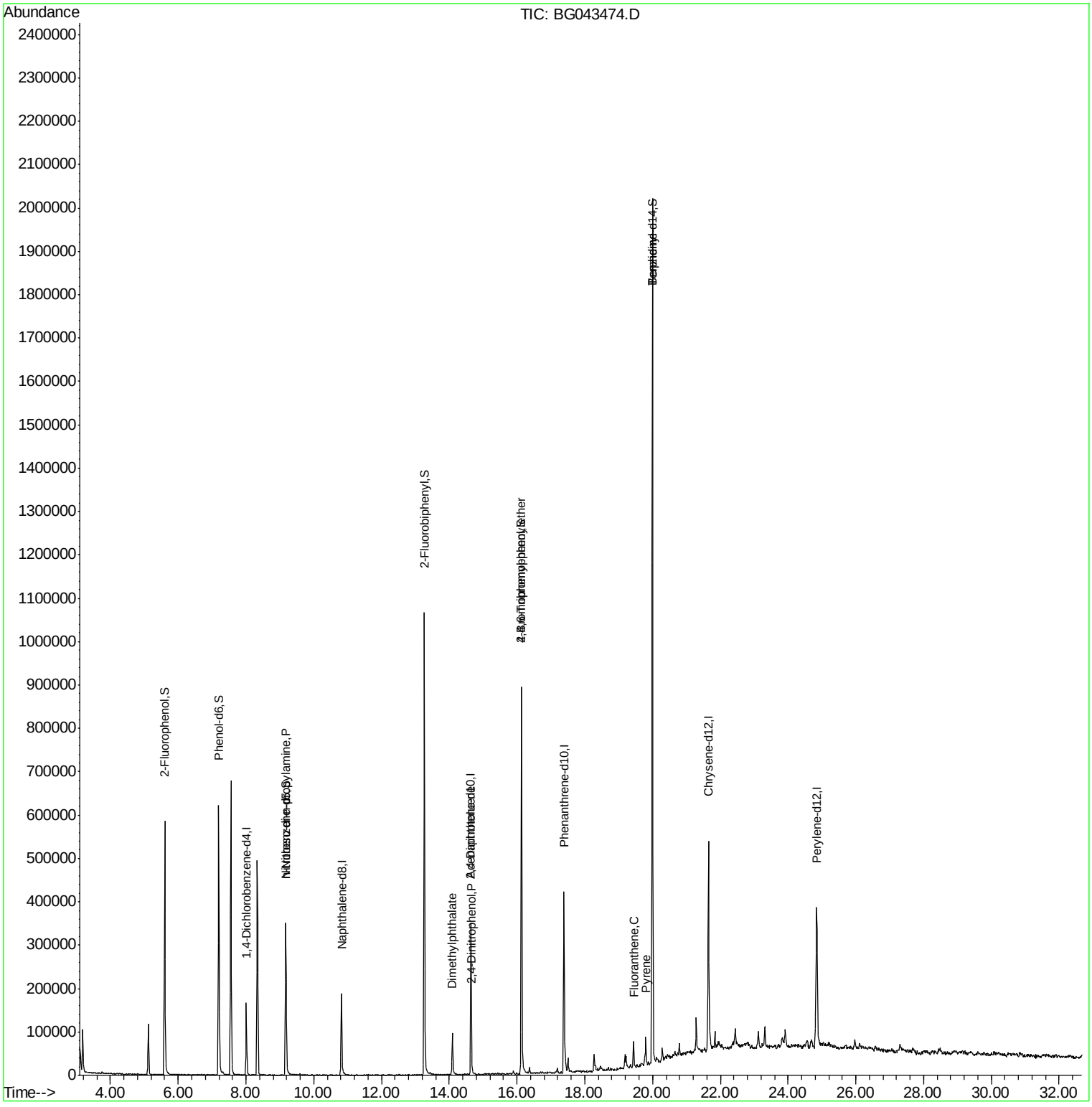
(#) = qualifier out of range (m) = manual integration (+) = signals summed

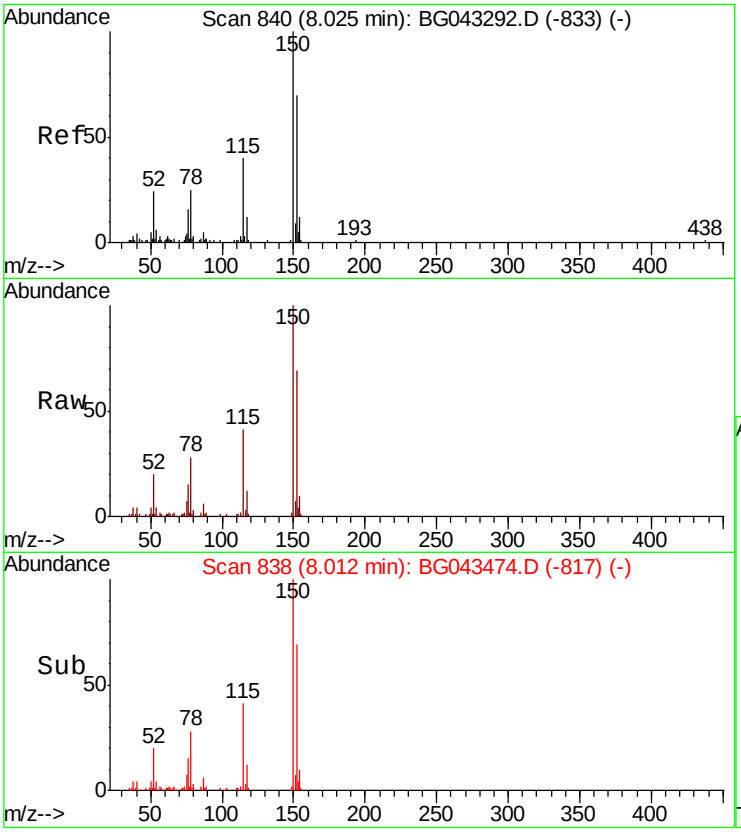
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043474.D
Acq On : 1 Nov 2019 20:32
Operator : JU
Sample : K5138-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AU-05-103019

Quant Time: Nov 22 05:37:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 19 15:23:15 2019
Response via : Initial Calibration



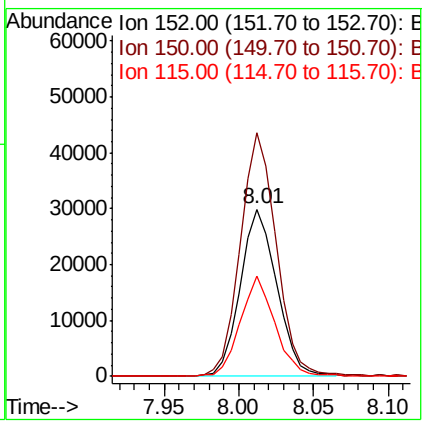


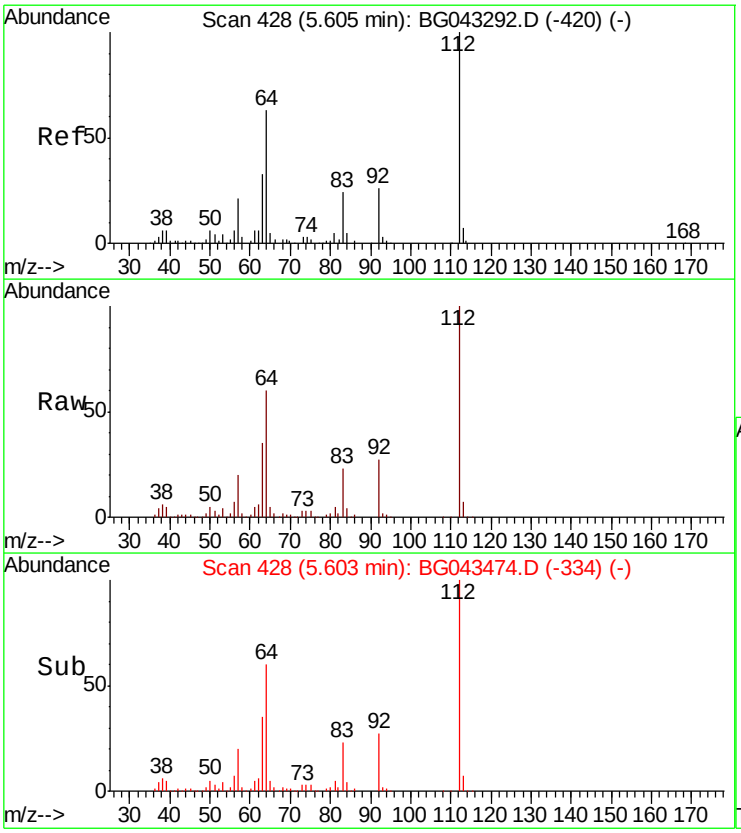

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:152 Resp: 50725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 145.7 | 116.6 | 175.0 |
| 115 | 60.0 | 40.5 | 60.7 |

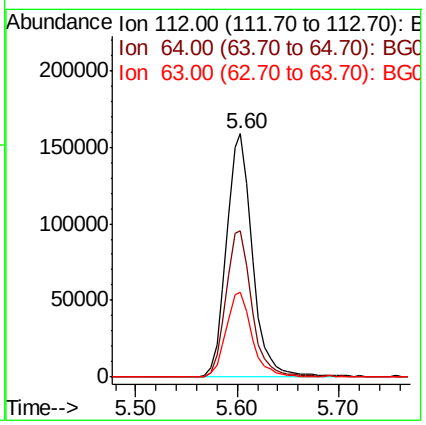


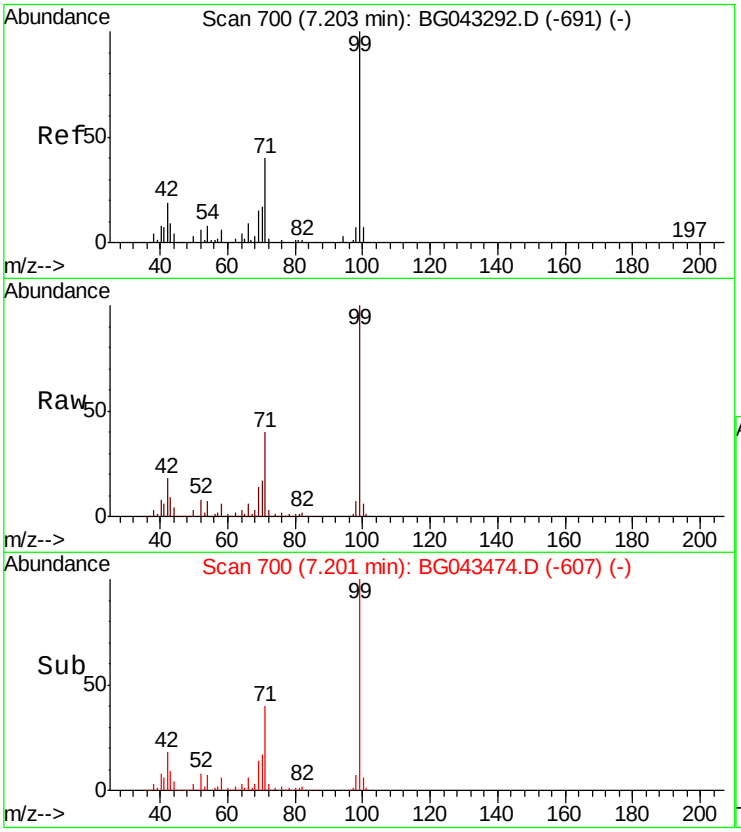




#5
2-Fluorophenol
Concen: 101.846 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:112 Resp: 281926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 50.6 | 75.8 |
| 63 | 34.9 | 30.5 | 45.7 |



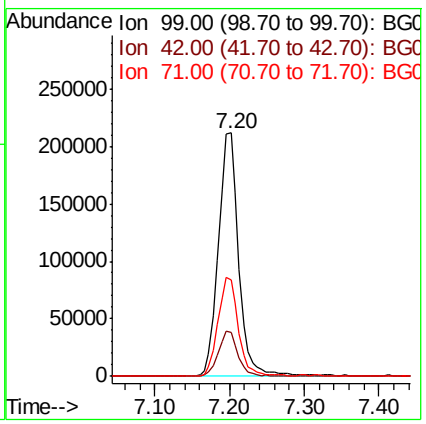


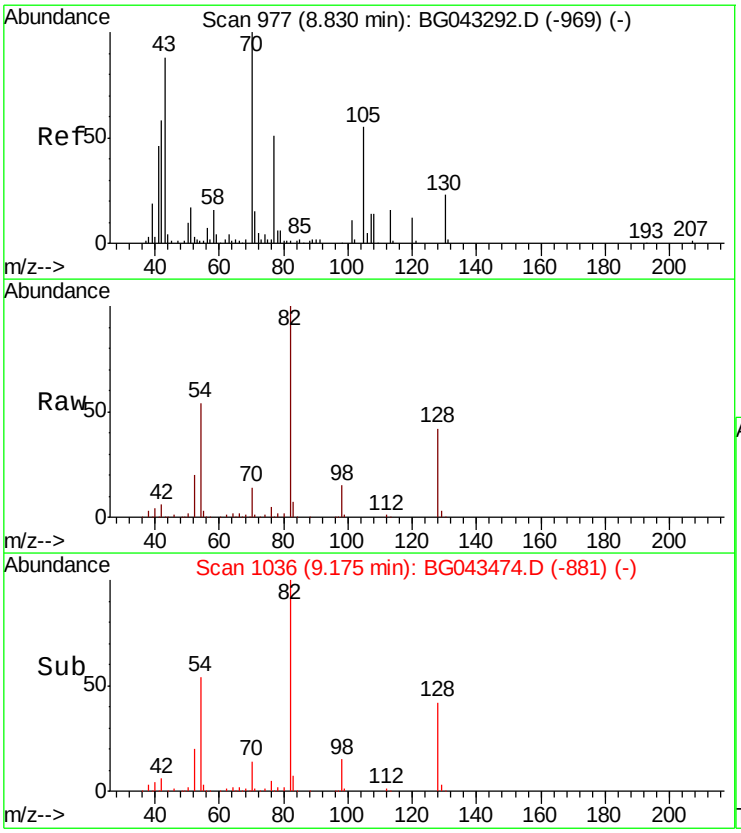

#7
Phenol-d6
Concen: 101.080 ng
RT: 7.20 min Scan# 700
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion: 99 Resp: 402573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 15.8 | 23.8 |
| 71 | 39.8 | 34.4 | 51.6 |

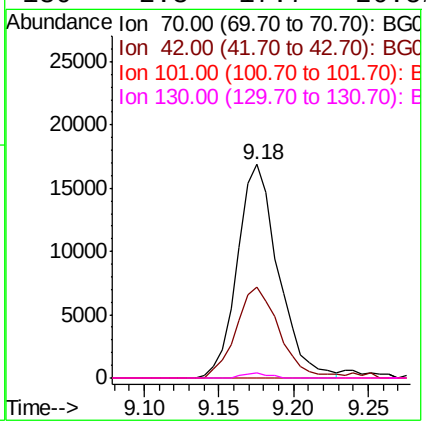


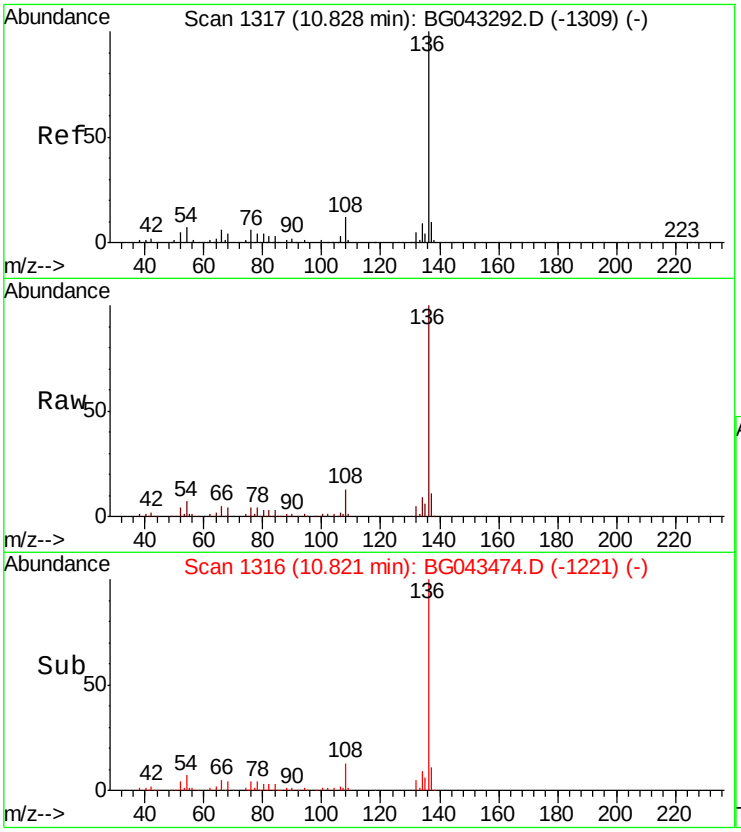




#19
n-Nitroso-di-n-propylamine
Concen: 12.452 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.38 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion: 70 Resp: 32046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.8 | 49.7 | 74.5# |
| 101 | 0.0 | 9.7 | 14.5# |
| 130 | 2.3 | 17.7 | 26.5# |



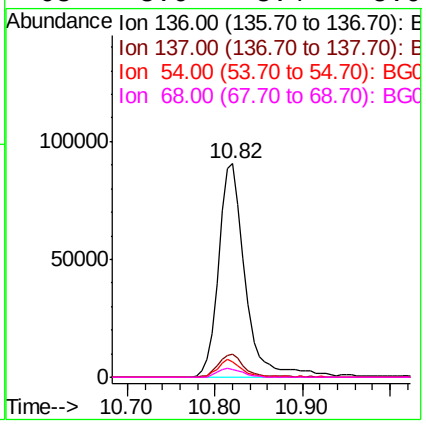


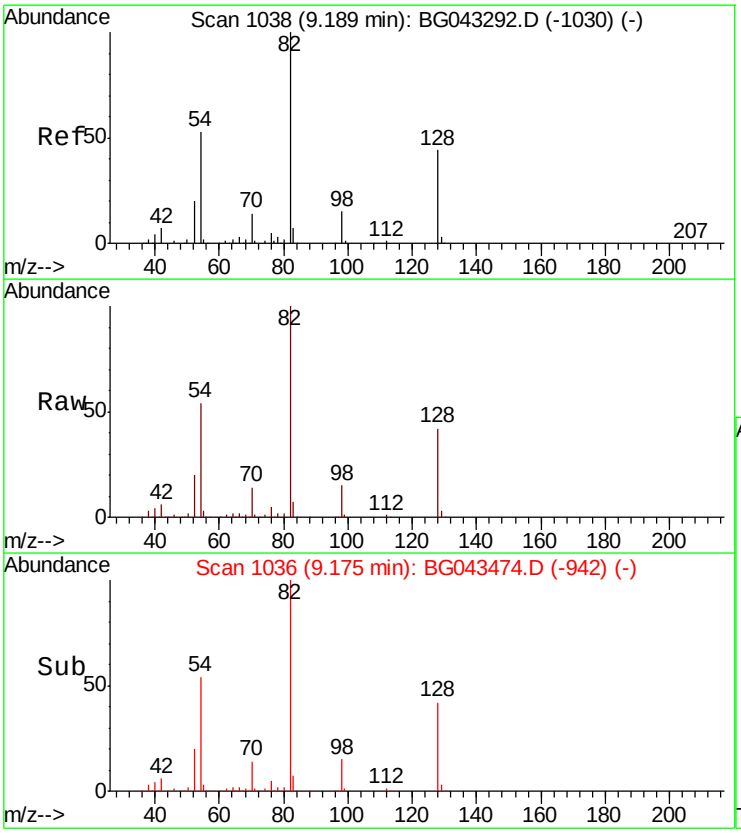

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :** BNA_G
**ClientSampleId :** AU-05-103019

Tgt Ion:136 Resp: 190725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 7.1 | 6.2 | 9.2 |
| 68 | 3.6 | 3.4 | 5.0 |

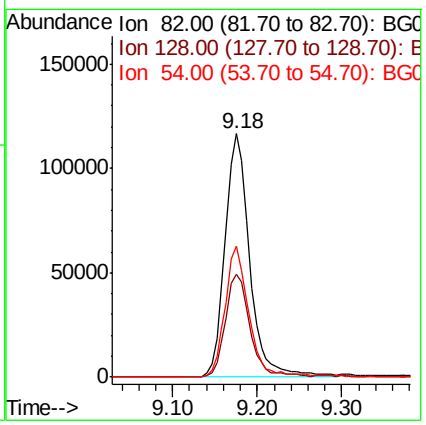


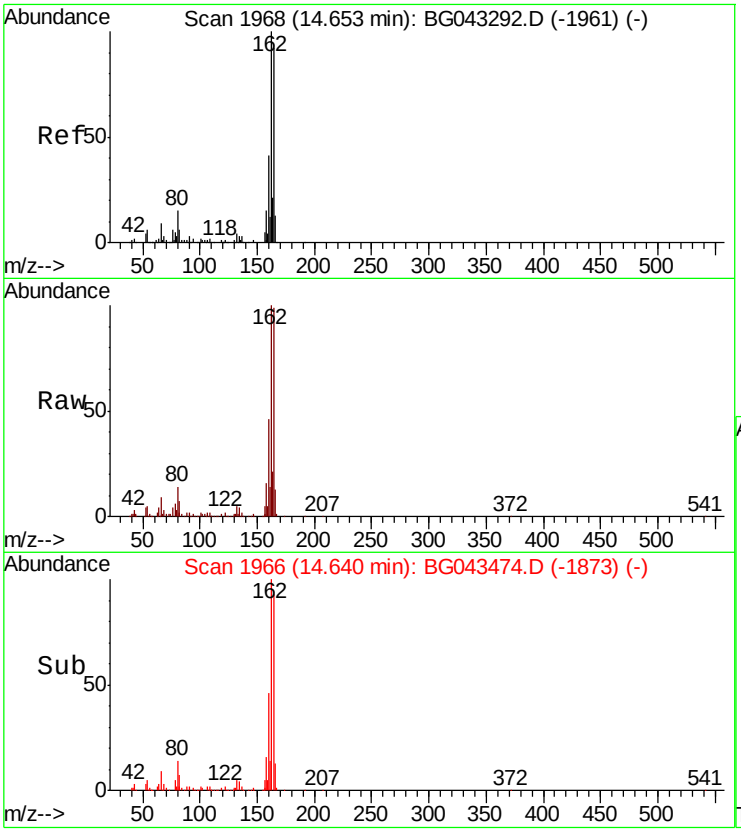




#23
Nitrobenzene-d5
Concen: 63.351 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion: 82 Resp: 234367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 34.2 | 51.4 |
| 54 | 54.0 | 44.7 | 67.1 |



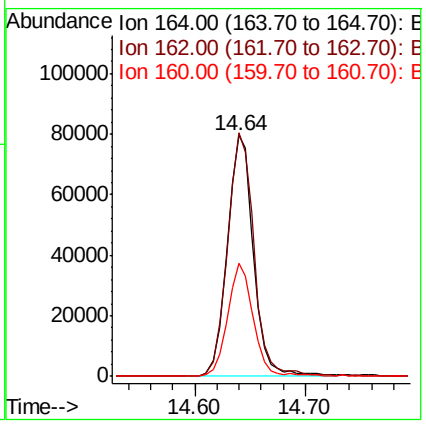


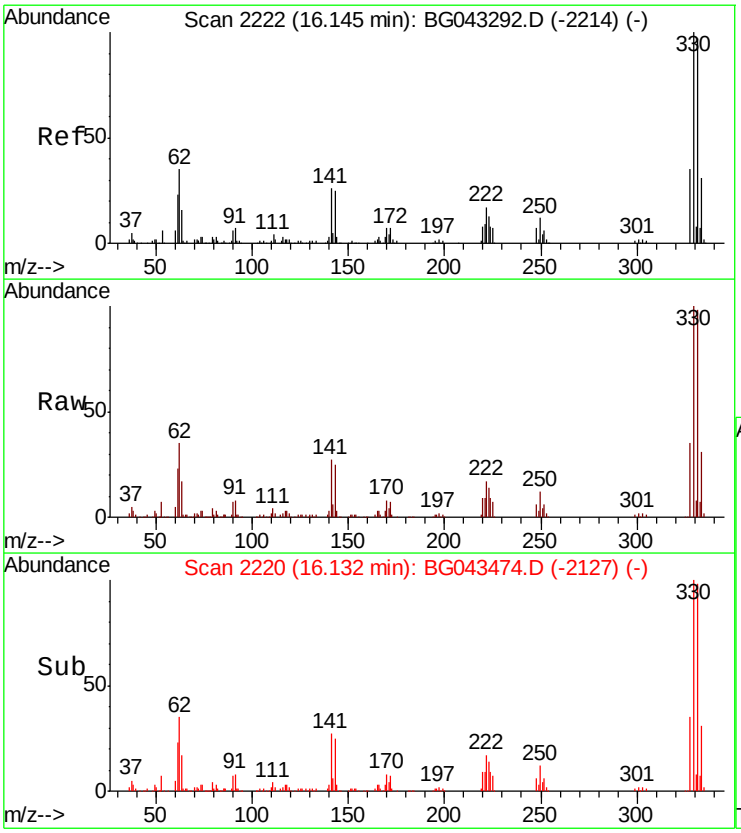

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:164 Resp: 132092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 79.4 | 119.2 |
| 160 | 46.9 | 36.3 | 54.5 |

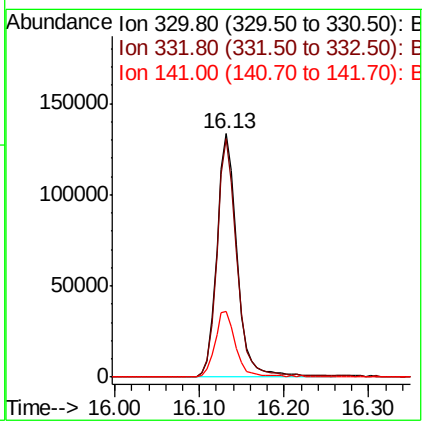


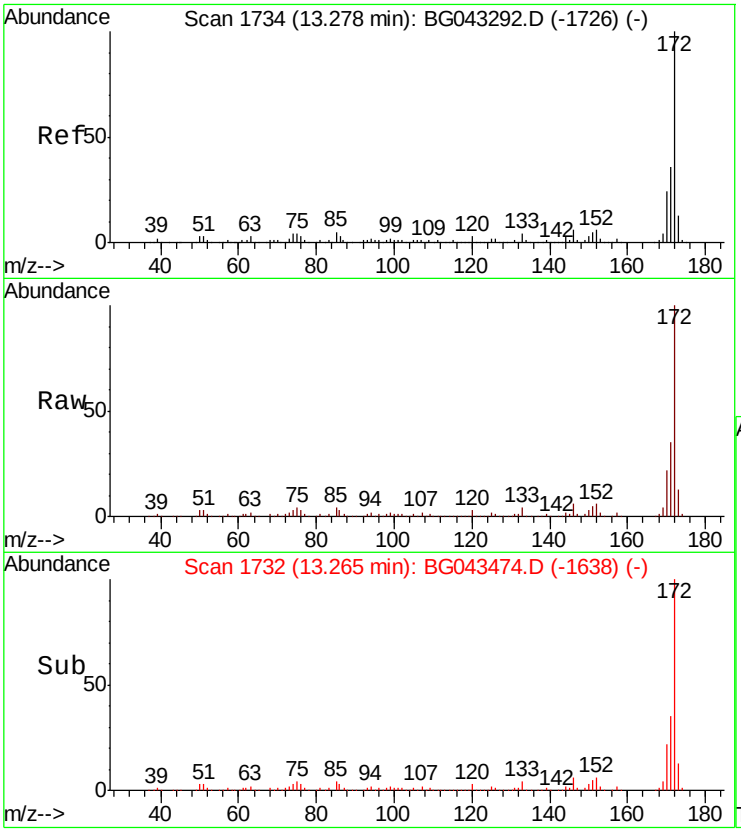




#42
2,4,6-Tribromophenol
Concen: 89.209 ng
RT: 16.13 min Scan# 2220
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:330 Resp: 224247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.6 | 115.0 |
| 141 | 27.6 | 23.4 | 35.2 |



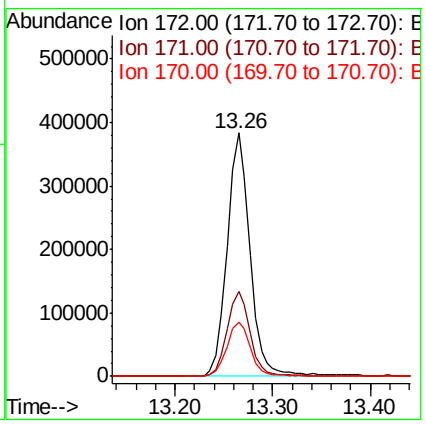


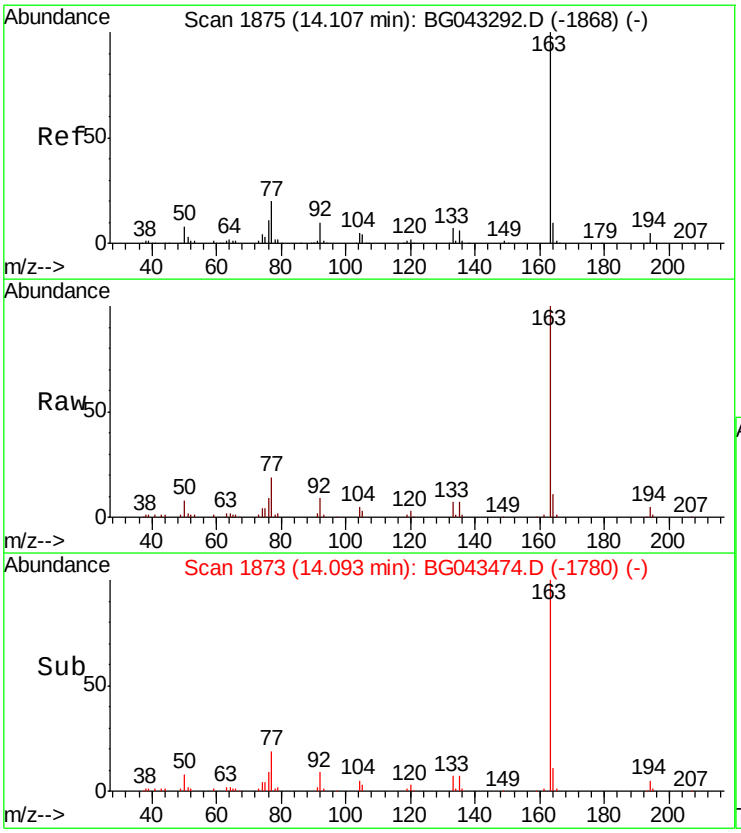

#45
2-Fluorobiphenyl
Concen: 65.249 ng
RT: 13.26 min Scan# 1732
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:172 Resp: 623743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.1 | 42.1 |
| 170 | 22.5 | 18.8 | 28.2 |

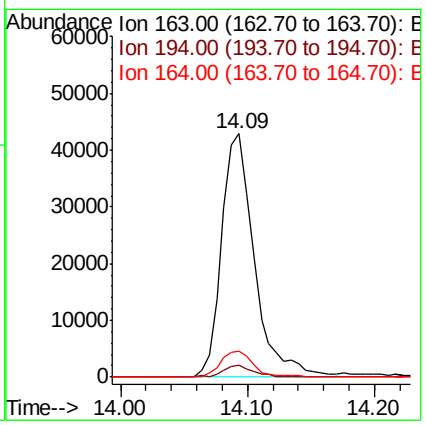


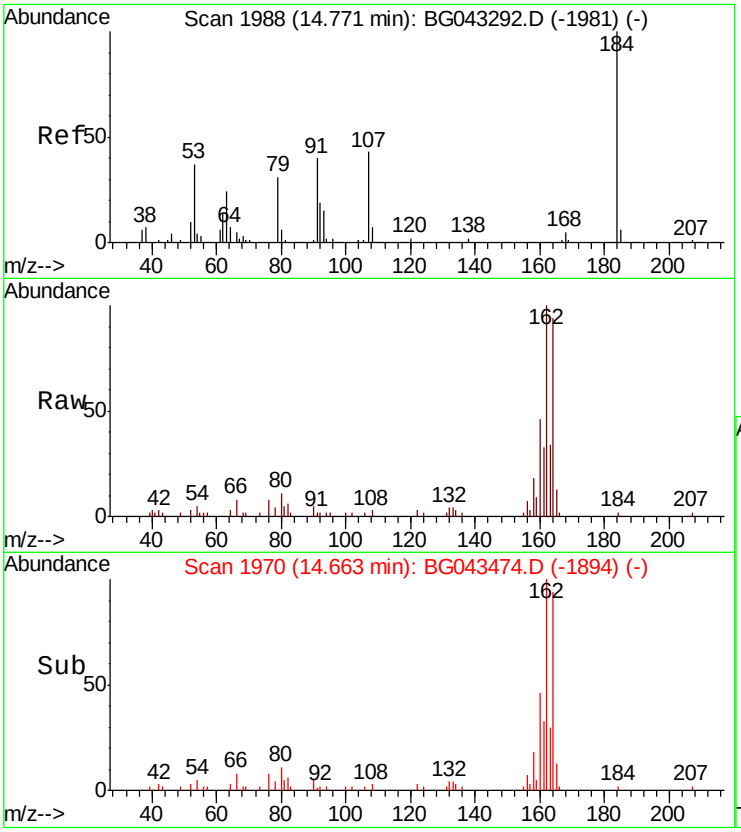




#50
Dimethylphthalate
Concen: 7.536 ng
RT: 14.09 min Scan# 1873
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:163 Resp: 77102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.7 | 3.8 | 5.8 |
| 164 | 10.8 | 8.5 | 12.7 |



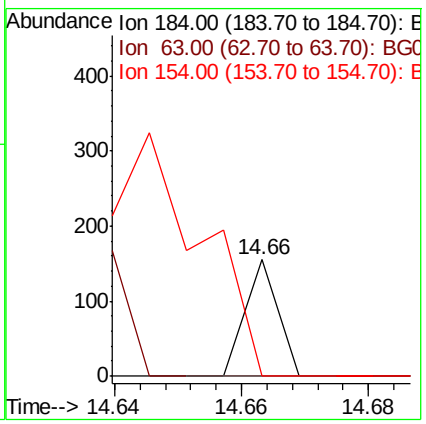


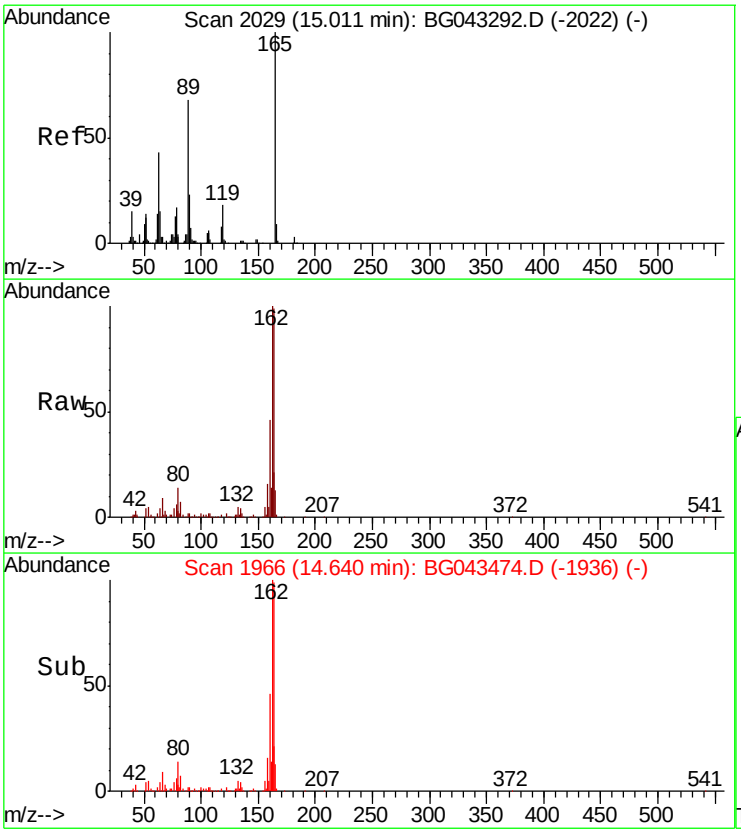

#54
2,4-Dinitrophenol
Concen: 7.319 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.08 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:184 Resp: 55

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 59.0 | 88.4# |
| 154 | 0.0 | 57.4 | 86.2# |

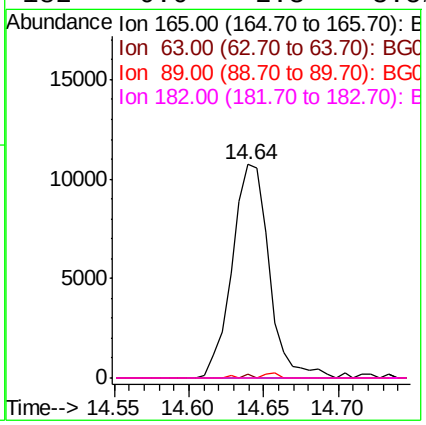


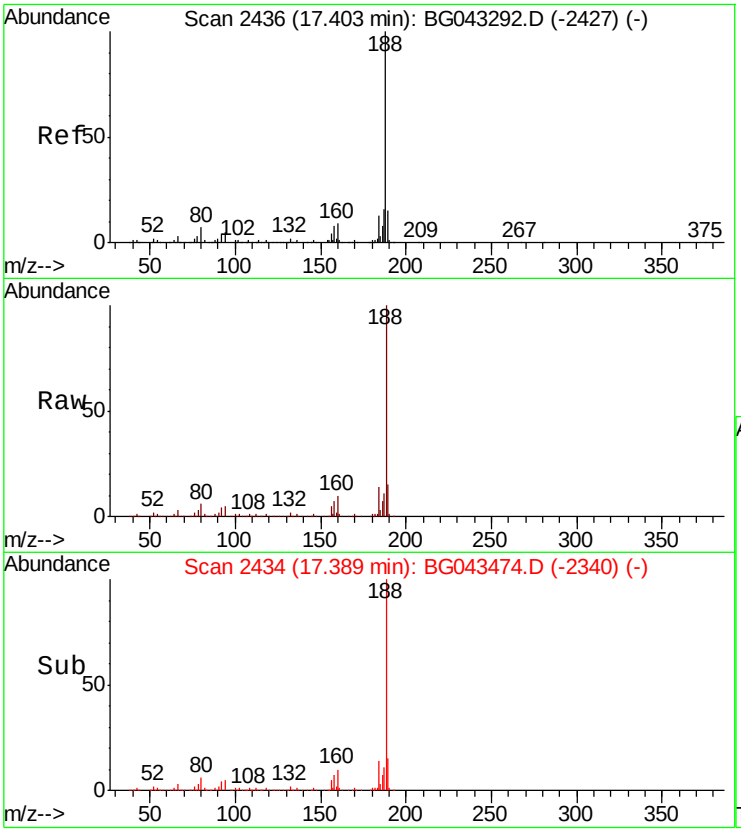




#57
2,4-Dinitrotoluene
Concen: 5.840 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.35 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:165 Resp: 18550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.6 | 37.4 | 56.0# |
| 89 | 0.0 | 50.9 | 76.3# |
| 182 | 0.0 | 2.3 | 3.5# |



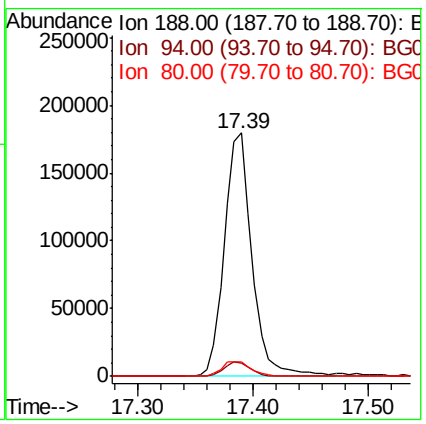


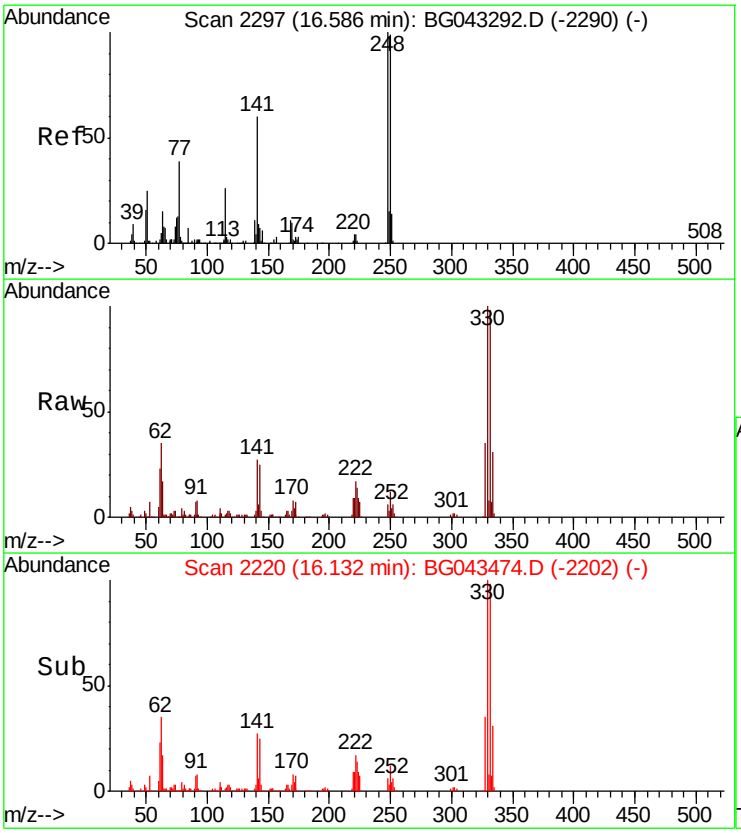

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:188 Resp: 297505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.3 | 4.6 | 7.0 |
| 80 | 6.0 | 5.2 | 7.8 |

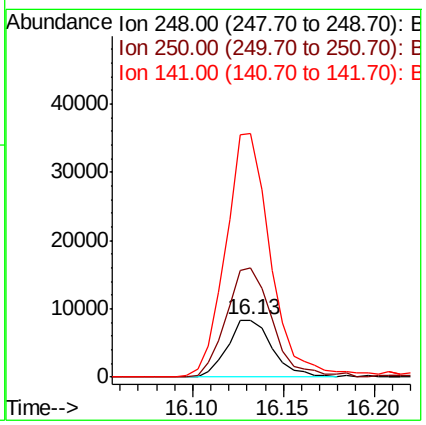


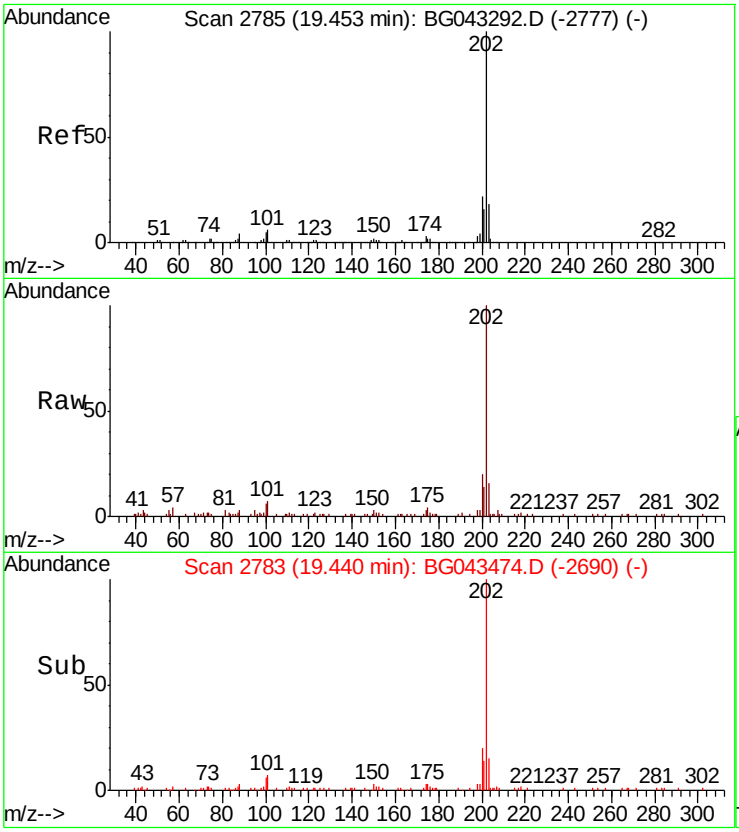




#67
4-Bromophenyl-phenylether
Concen: 3.567 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.42 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:248 Resp: 14282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.0 | 76.3 | 114.5# |
| 141 | 426.4 | 49.5 | 74.3# |



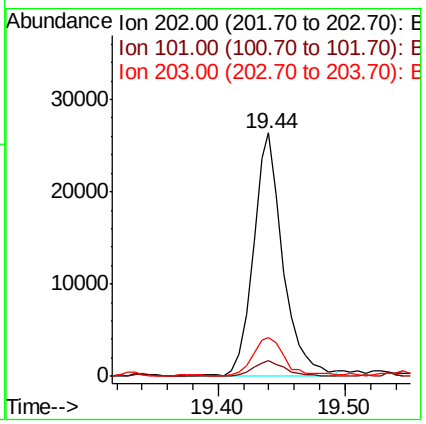


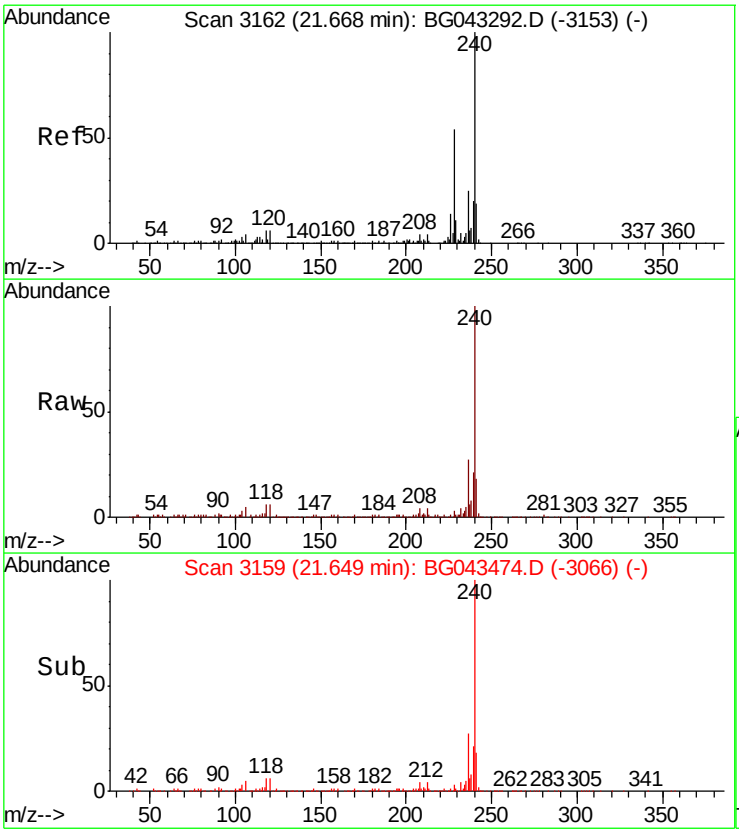

#75
Fluoranthene
Concen: 2.149 ng
RT: 19.44 min Scan# 2783
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:202 Resp: 42674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.5 | 0.0 | 25.6 |
| 203 | 15.8 | 0.0 | 37.6 |

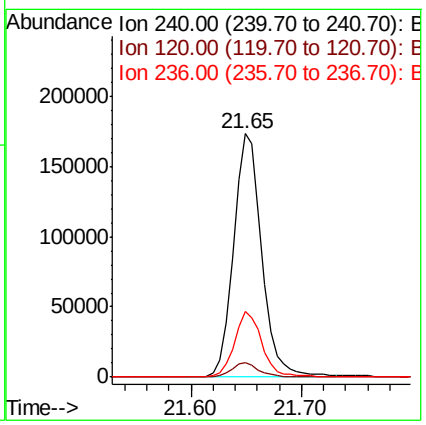


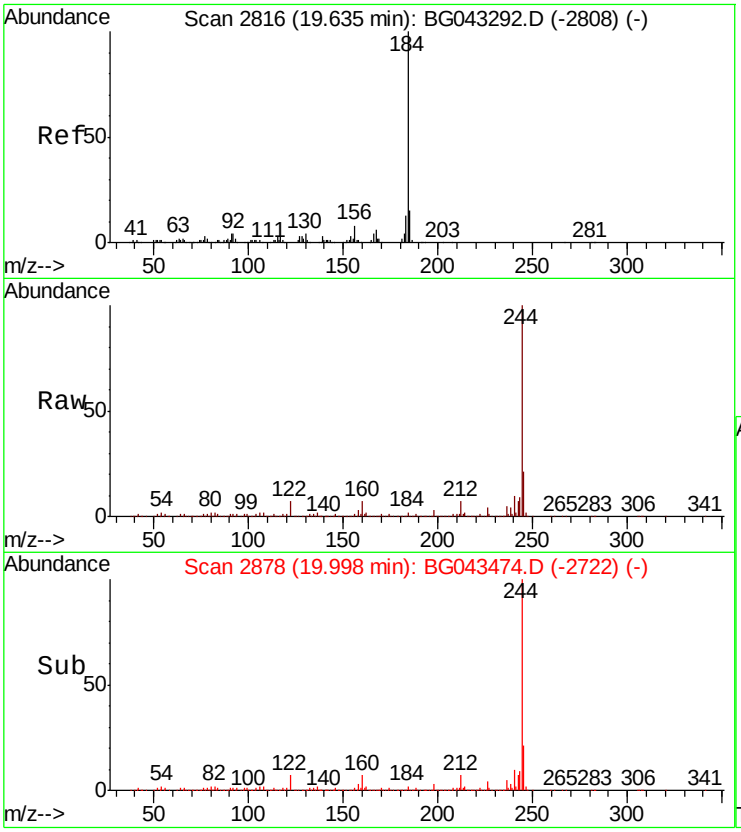




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:240 Resp: 311064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.9 | 4.9 | 7.3 |
| 236 | 26.8 | 21.4 | 32.0 |



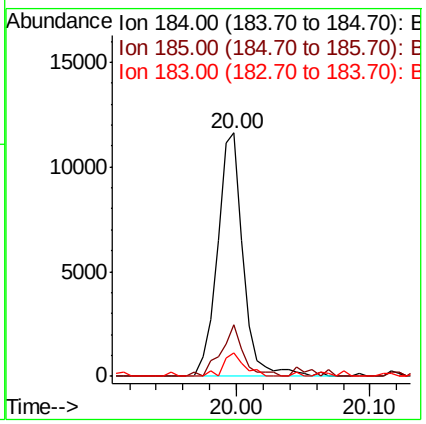


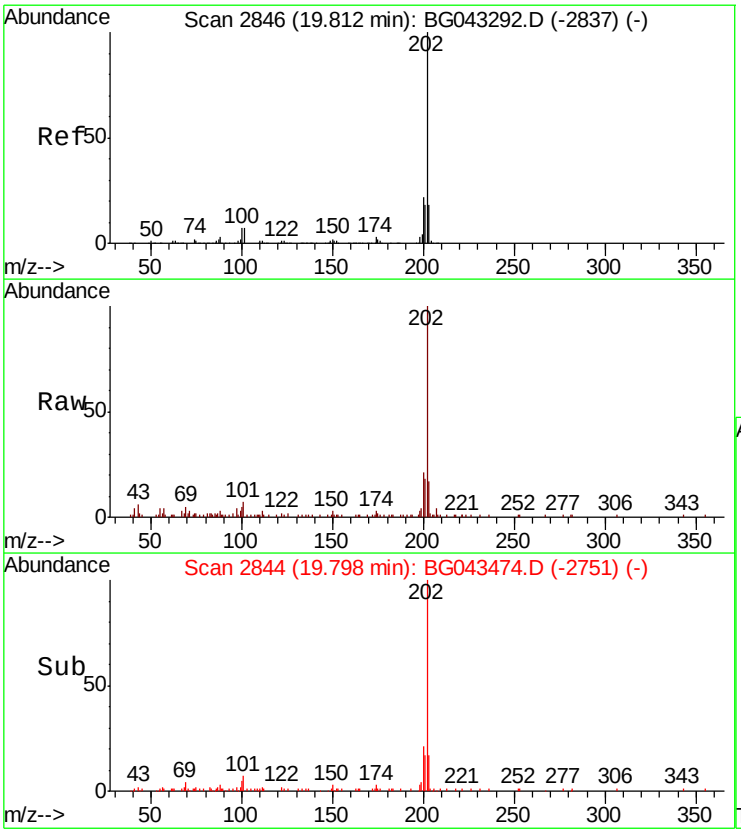

#77
Benzidine
Concen: 2.506 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.39 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:184 Resp: 15688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 20.9 | 12.7 | 19.1# |
| 183 | 9.6 | 8.8 | 13.2 |

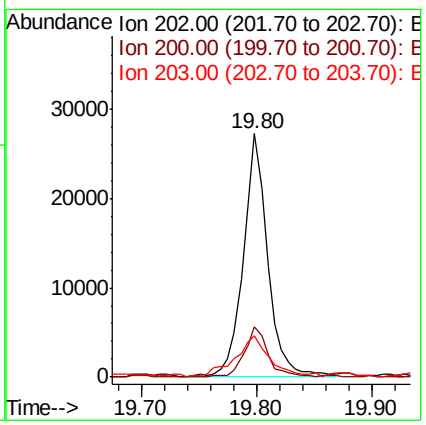


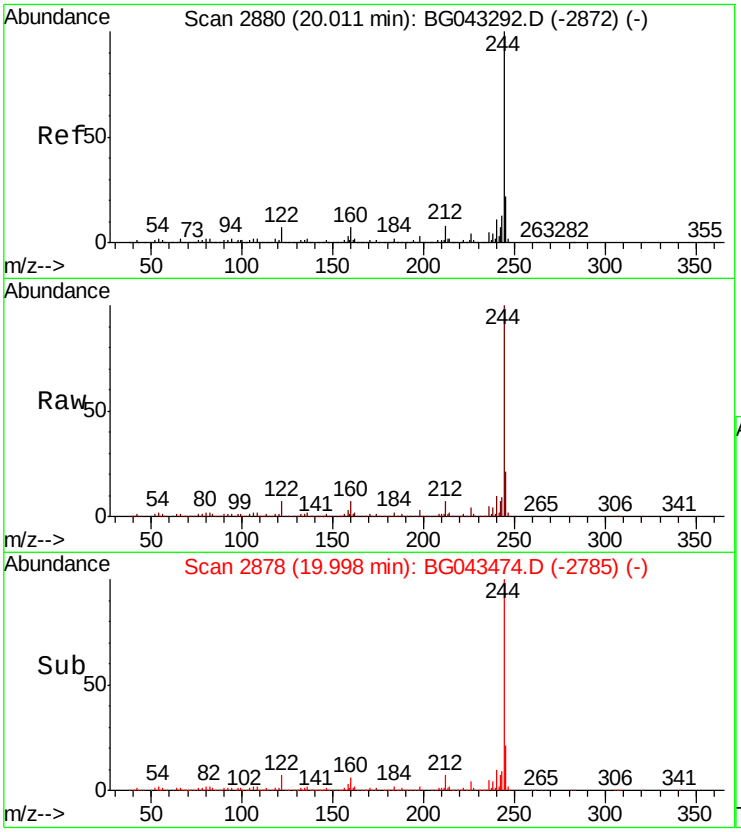




#78
Pyrene
Concen: 2.088 ng
RT: 19.80 min Scan# 2844
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:202 Resp: 40206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.9 | 25.3 |
| 203 | 17.1 | 14.8 | 22.2 |



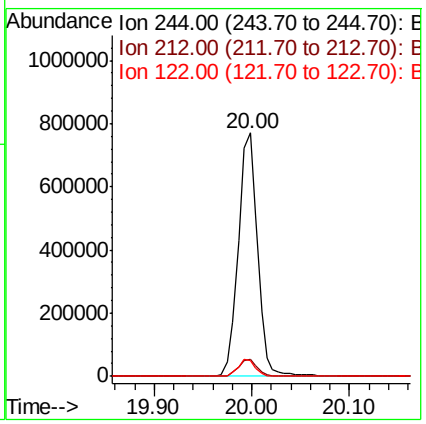


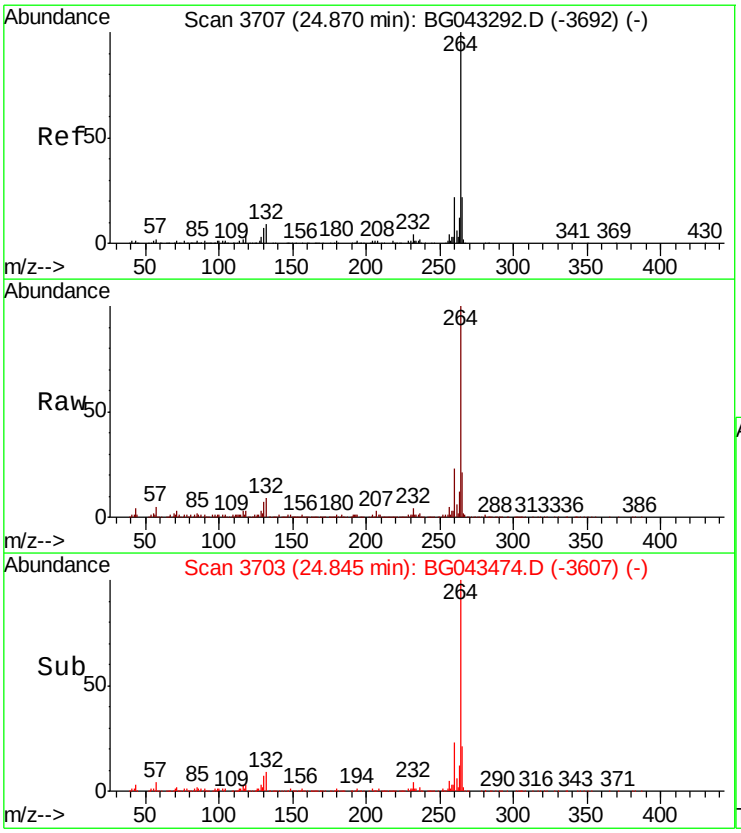

#79
Terphenyl-d14
Concen: 63.950 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

**Instrument :**
BNA_G
**ClientSampleId :**
AU-05-103019

Tgt Ion:244 Resp: 1060338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 6.7 | 5.2 | 7.8 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3703
Delta R.T. 0.03 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:264 Resp: 372393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.4 | 27.6 |
| 265 | 21.0 | 15.8 | 23.8 |