Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010919\
Data File : BG039049.D
Acq On : 10 Jan 2019 10:51
Operator : JU/SJ
Sample : K1006-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-03-010819-E

Quant Time: Jan 10 13:31:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 22795 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.85 | 136 | 93624 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.67 | 164 | 70672 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 198275 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 197800 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.98 | 264 | 213004 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 175045 | 145.67 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 221962 | 128.35 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 166533 | 97.33 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 190050 | 160.43 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.29 | 172 | 460501 | 89.18 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 1027566 | 96.10 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 10.90 | 128 | 13021 | 2.773 | ng | 96 |

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

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Data File : BG039049.D
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**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

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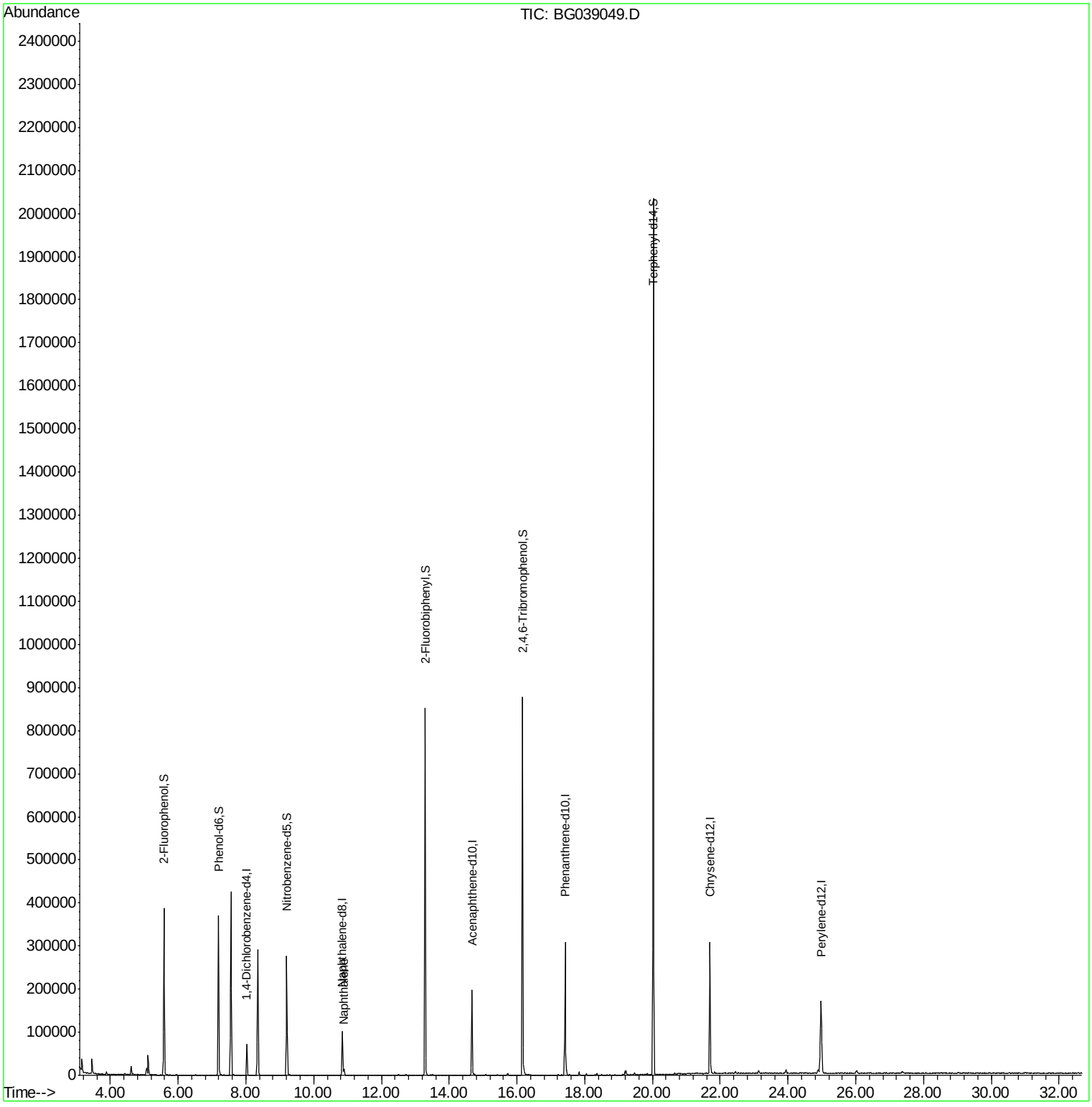
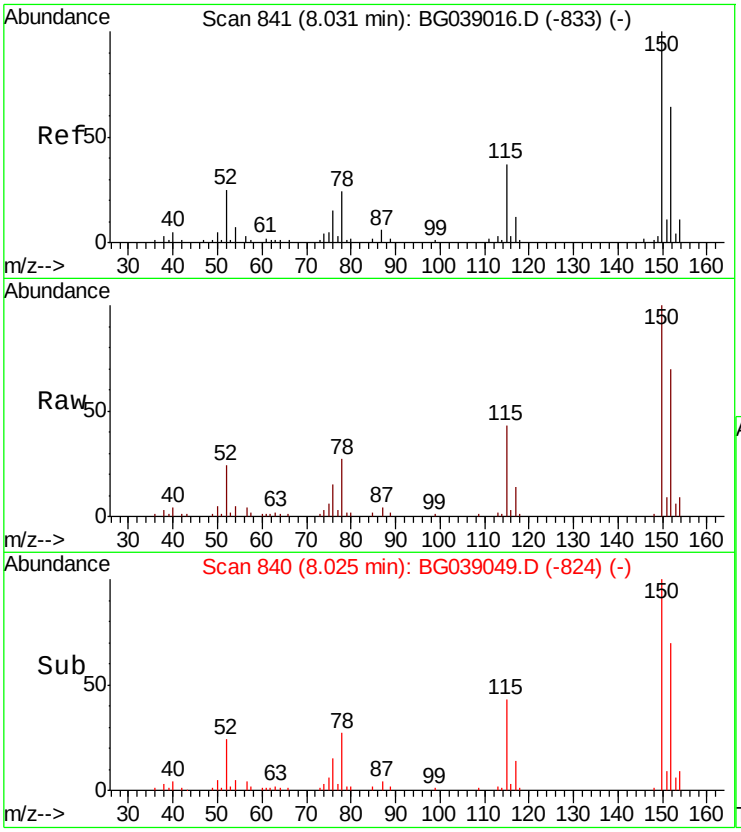
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration



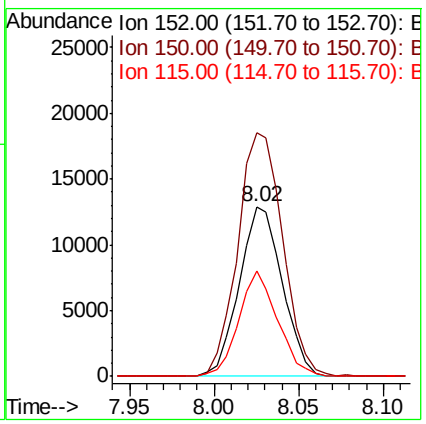


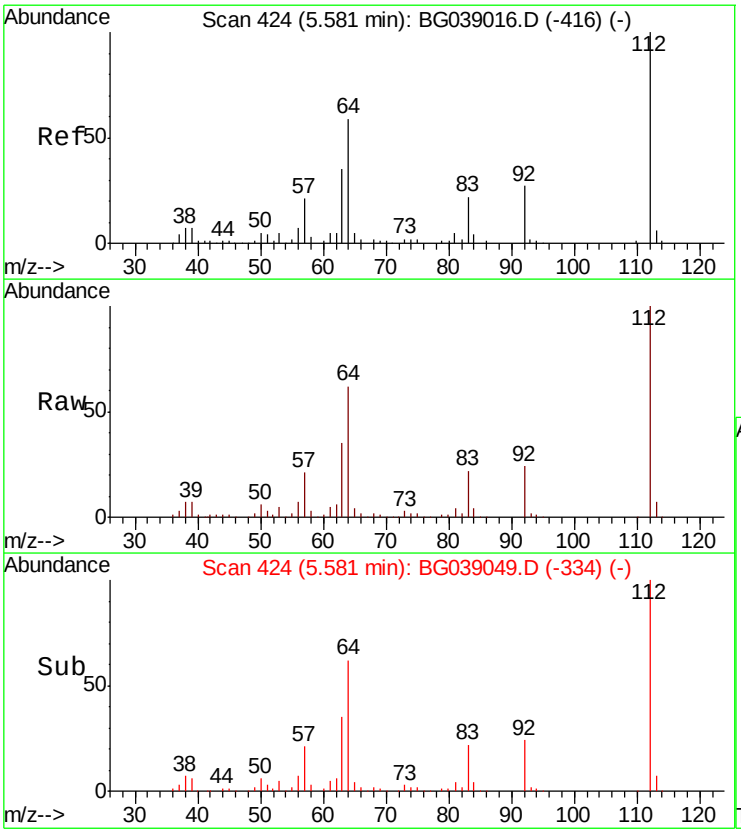

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

Tgt Ion:152 Resp: 22795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 143.3 | 124.7 | 187.1 |
| 115 | 61.9 | 46.5 | 69.7 |

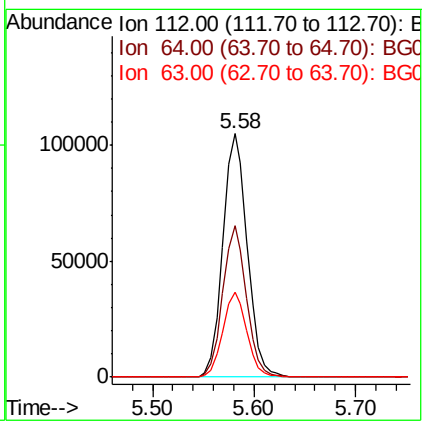


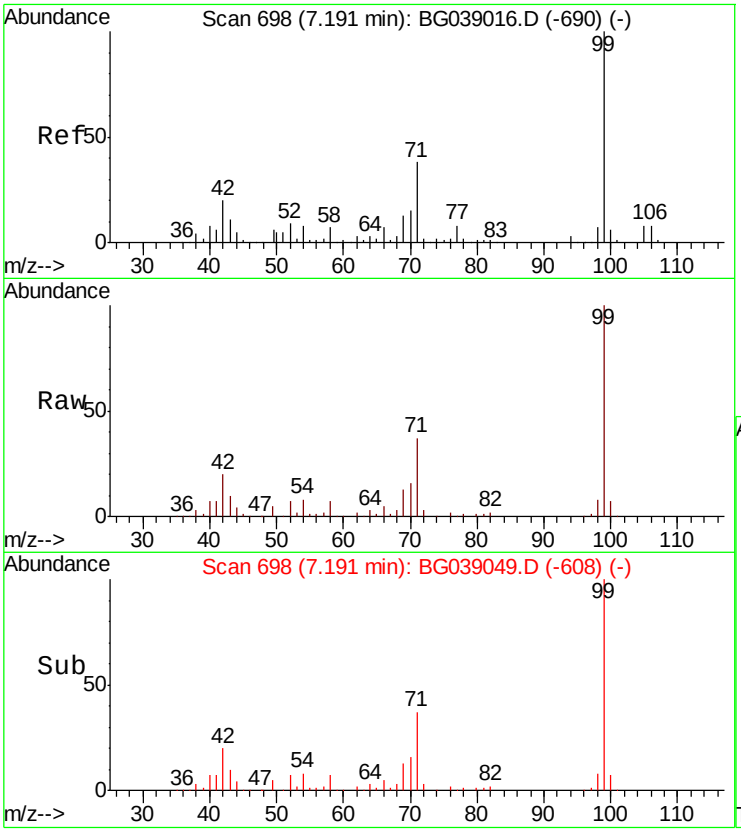




#5
2-Fluorophenol
Concen: 145.671 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:112 Resp: 175045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 47.0 | 70.6 |
| 63 | 34.9 | 28.0 | 42.0 |



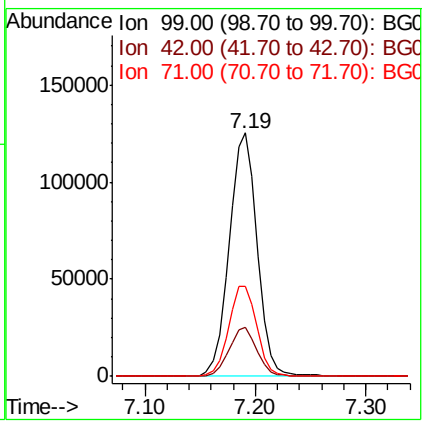


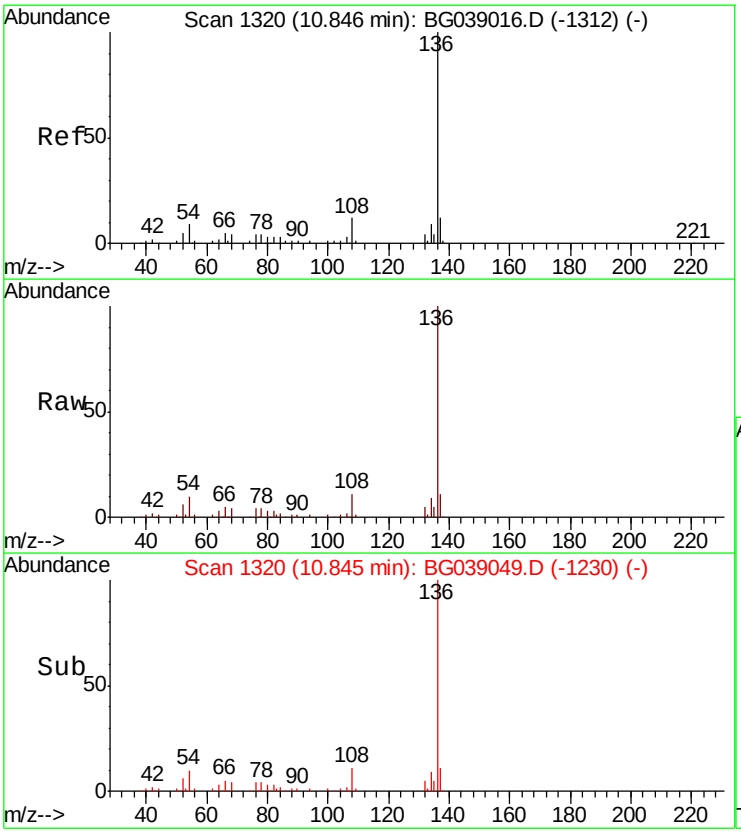

#7
Phenol-d6
Concen: 128.352 ng
RT: 7.19 min Scan# 698
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

Tgt Ion: 99 Resp: 221962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.1 | 15.8 | 23.6 |
| 71 | 37.0 | 30.2 | 45.4 |

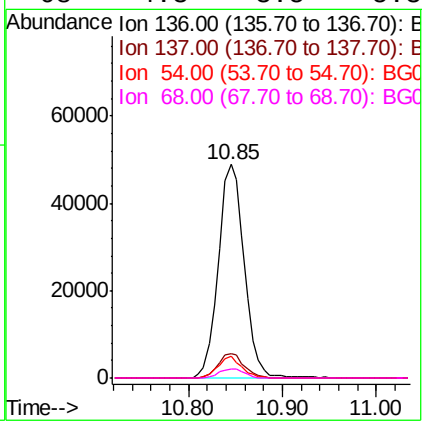


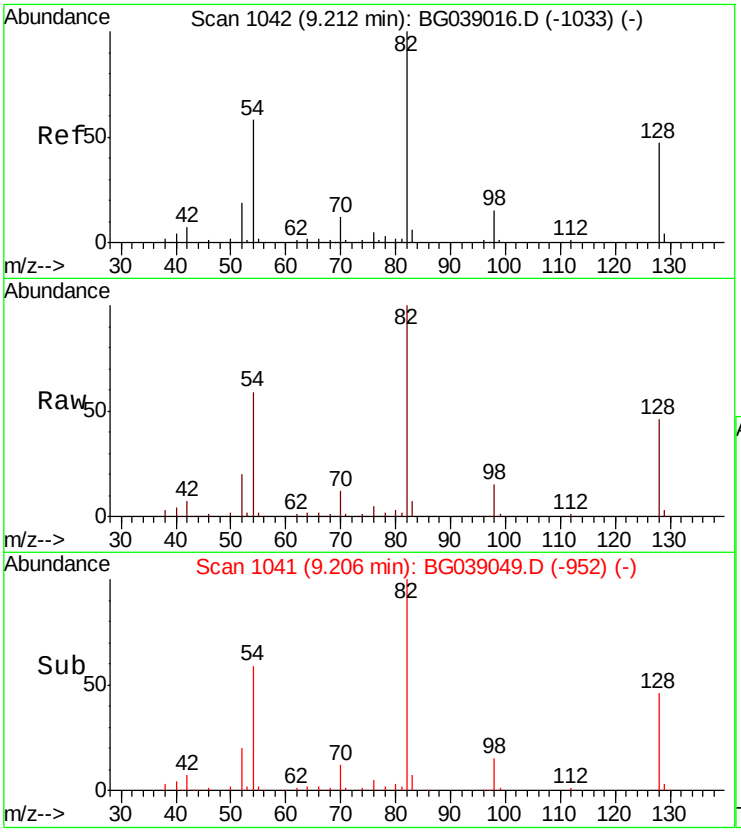




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:136 Resp: 93624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.4 | 14.2 |
| 54 | 10.0 | 7.2 | 10.8 |
| 68 | 4.3 | 3.5 | 5.3 |



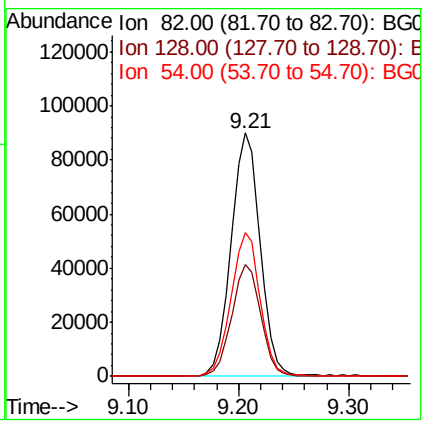


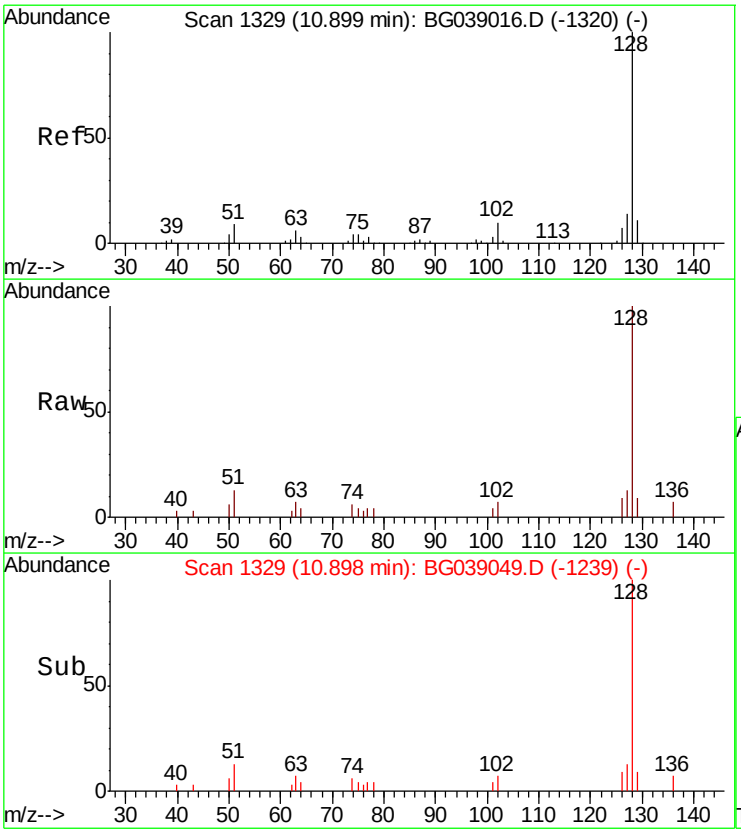

#23
Nitrobenzene-d5
Concen: 97.332 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

Tgt Ion: 82 Resp: 166533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.7 | 37.3 | 55.9 |
| 54 | 58.9 | 46.4 | 69.6 |

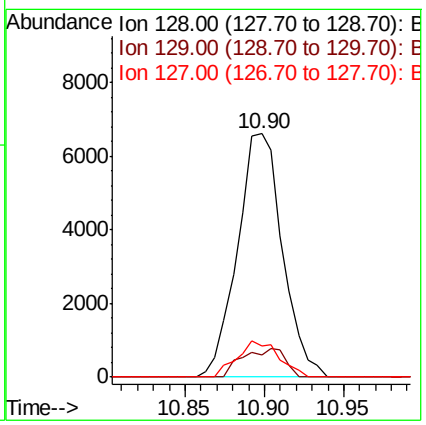


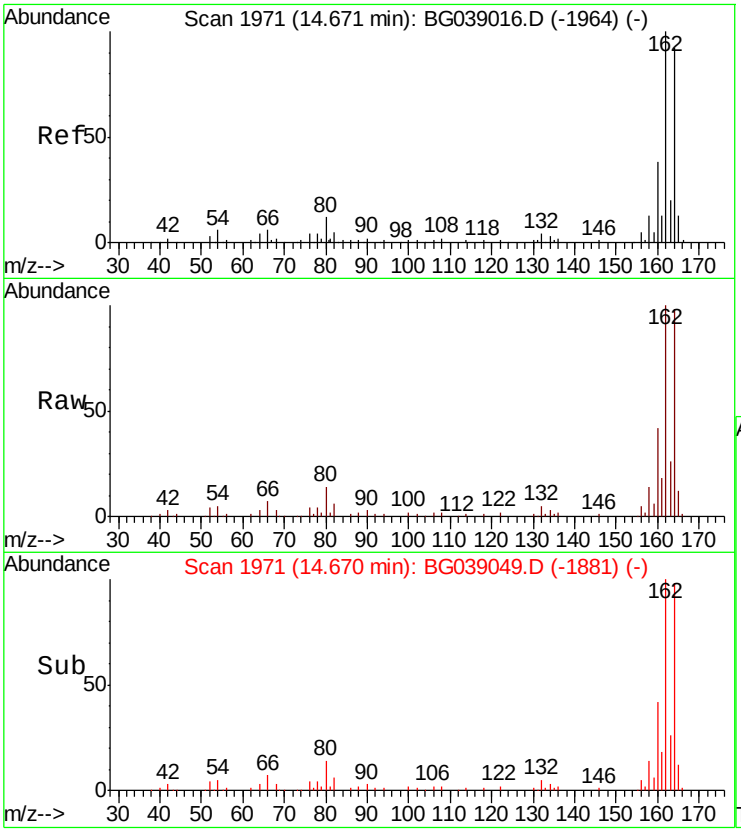




#31
Naphthalene
Concen: 2.773 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:128 Resp: 13021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.1 | 9.1 | 13.7 |
| 127 | 12.7 | 11.2 | 16.8 |



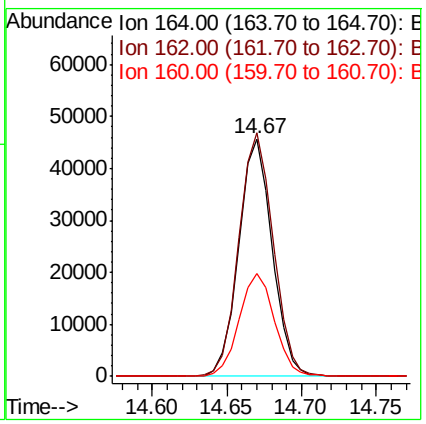


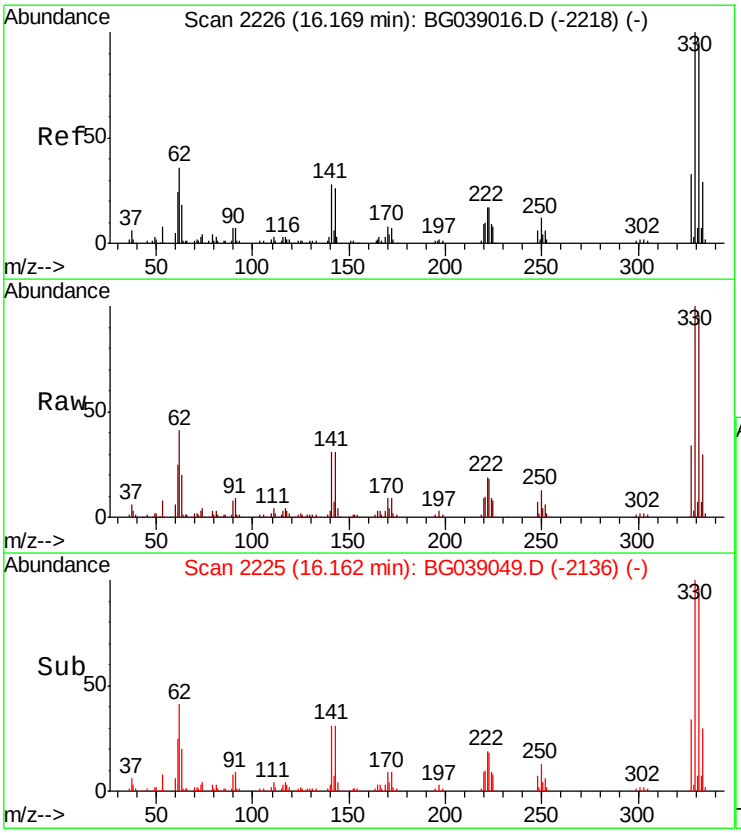

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :** BNA_G
**ClientSampleId :** JC-03-010819-E

Tgt Ion:164 Resp: 70672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 87.2 | 130.8 |
| 160 | 43.5 | 33.3 | 49.9 |

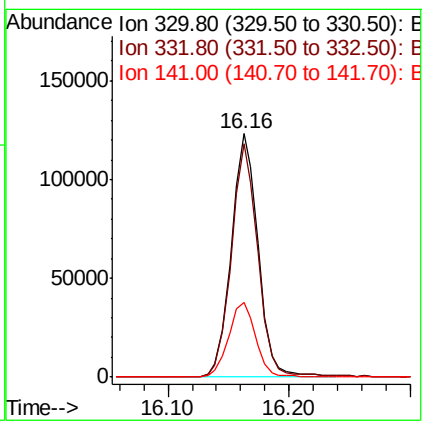


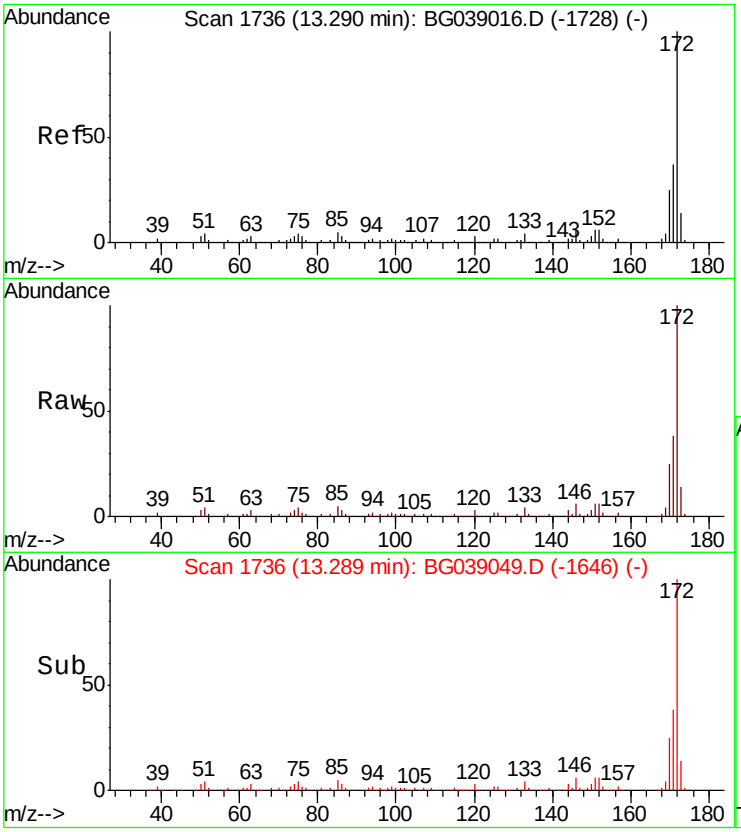




#42
2,4,6-Tribromophenol
Concen: 160.426 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:330 Resp: 190050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 75.7 | 113.5 |
| 141 | 31.6 | 24.9 | 37.3 |



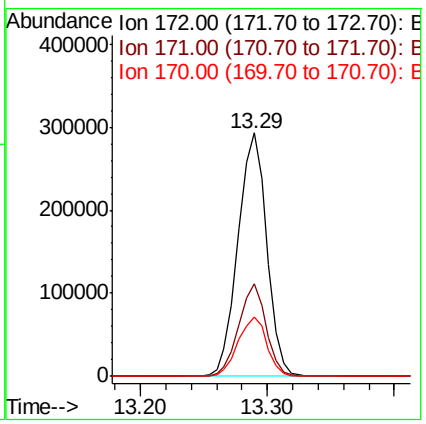


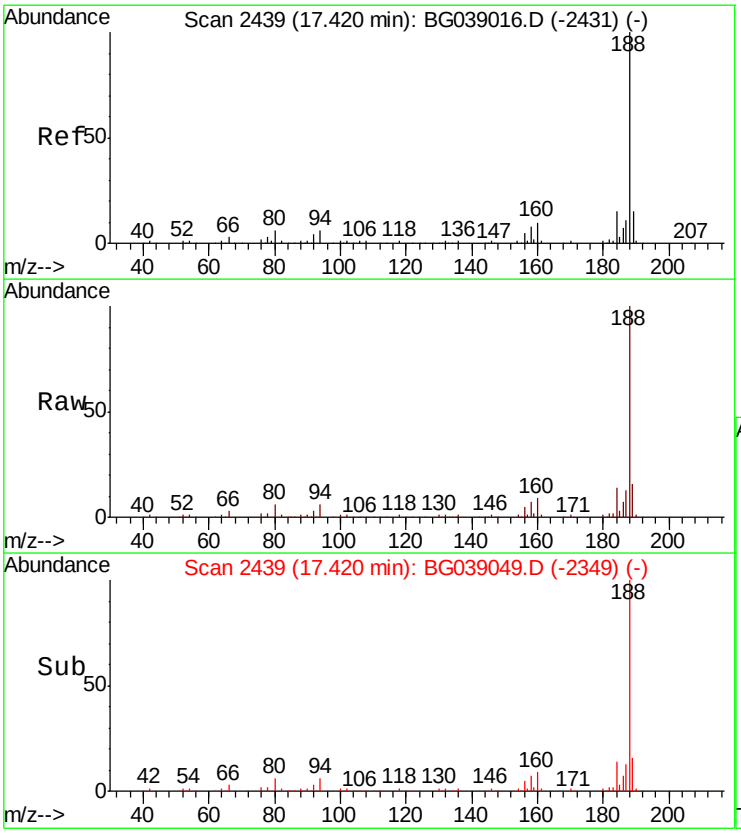

#45
2-Fluorobiphenyl
Concen: 89.176 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

Tgt Ion:172 Resp: 460501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.9 | 29.4 | 44.0 |
| 170 | 24.6 | 20.1 | 30.1 |

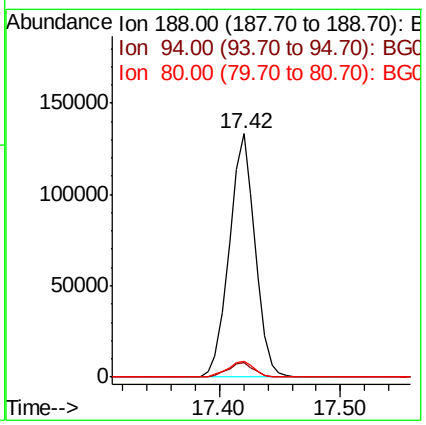


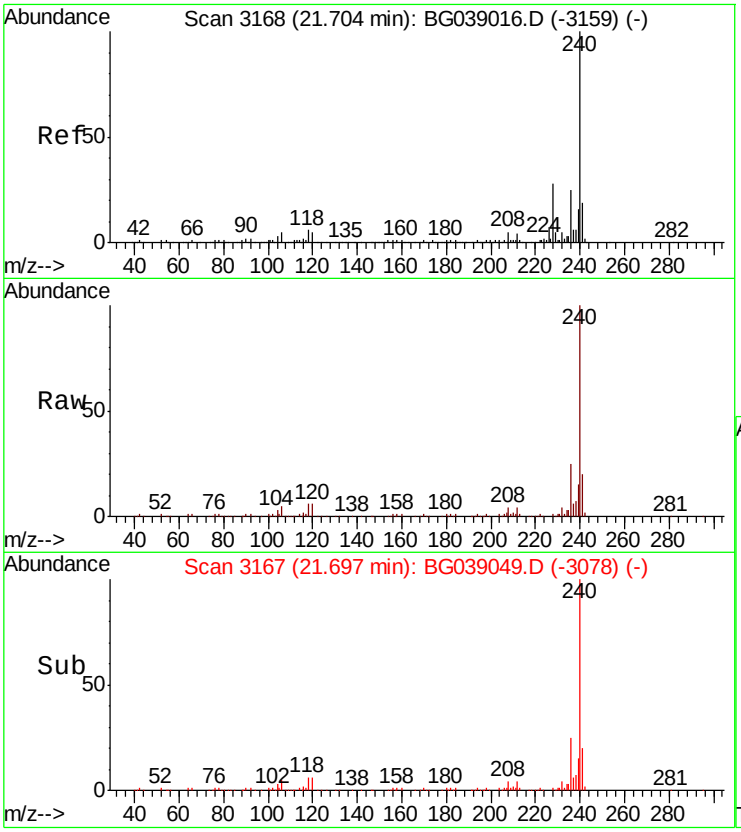




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:188 Resp: 198275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.0 | 5.0 | 7.4 |
| 80 | 6.3 | 4.7 | 7.1 |



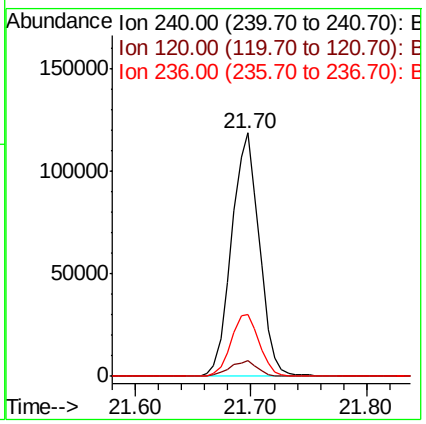


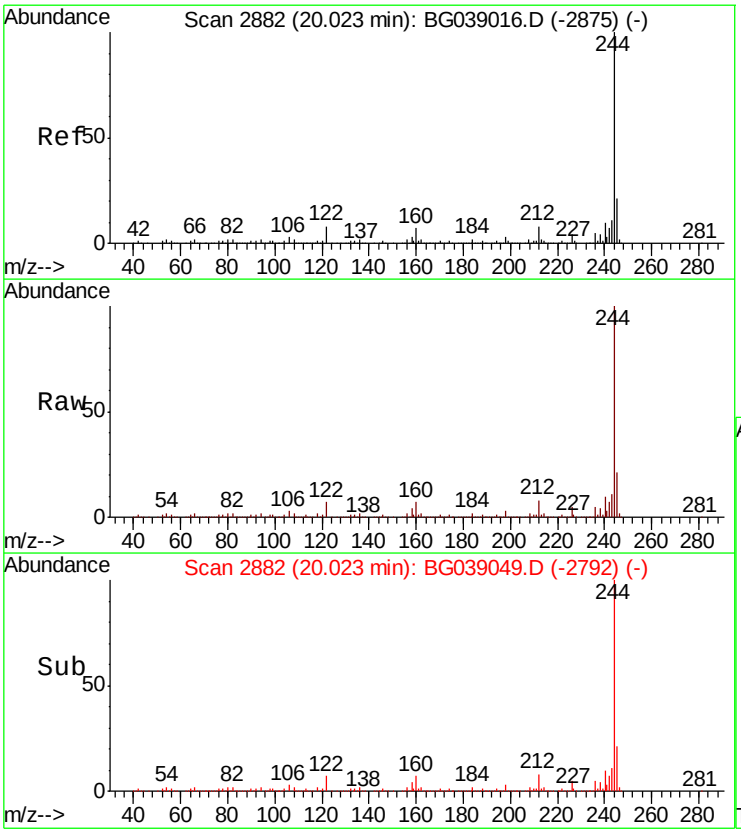

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

Tgt Ion:240 Resp: 197800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.4 | 4.3 | 6.5 |
| 236 | 25.2 | 20.1 | 30.1 |

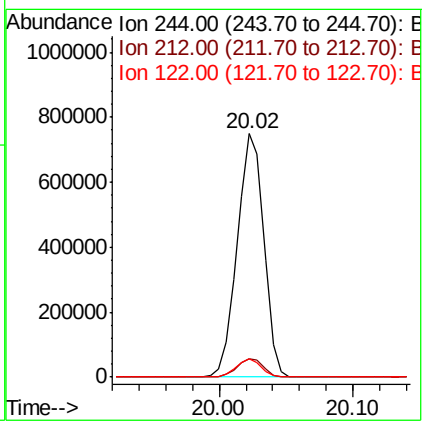


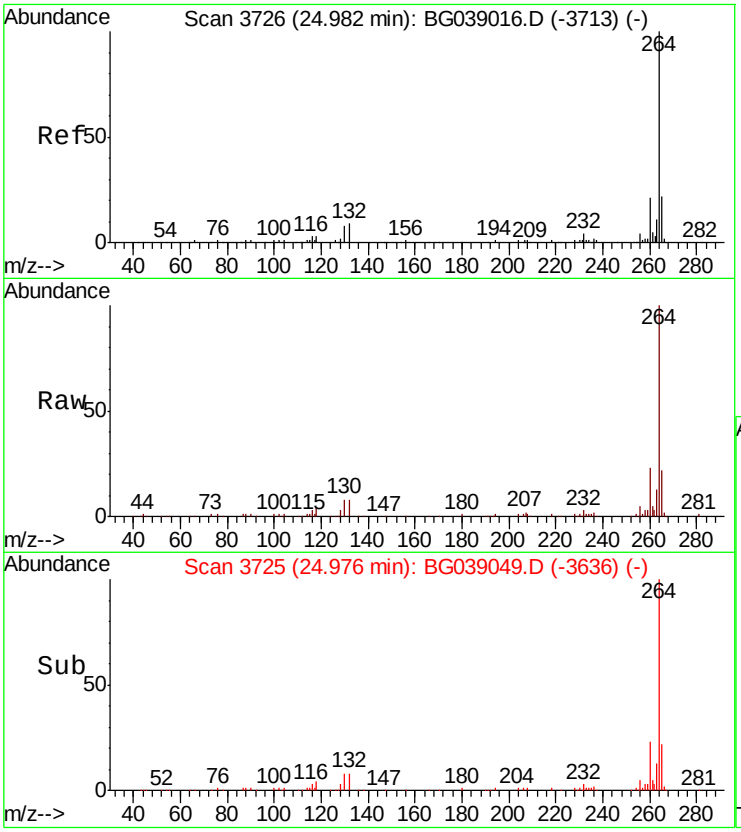




#79
Terphenyl-d14
Concen: 96.101 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:244 Resp: 1027566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.1 | 9.1 |
| 122 | 7.5 | 6.1 | 9.1 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3725
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

**Instrument :**
BNA_G
**ClientSampleId :**
JC-03-010819-E

Tgt Ion:264 Resp: 213004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 17.0 | 25.6 |
| 265 | 21.7 | 17.2 | 25.8 |