

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\  
 Data File : BG043008.D  
 Acq On : 3 Oct 2019 6:37  
 Operator : JU  
 Sample : K4659-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-093019-A

Quant Time: Oct 03 07:49:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

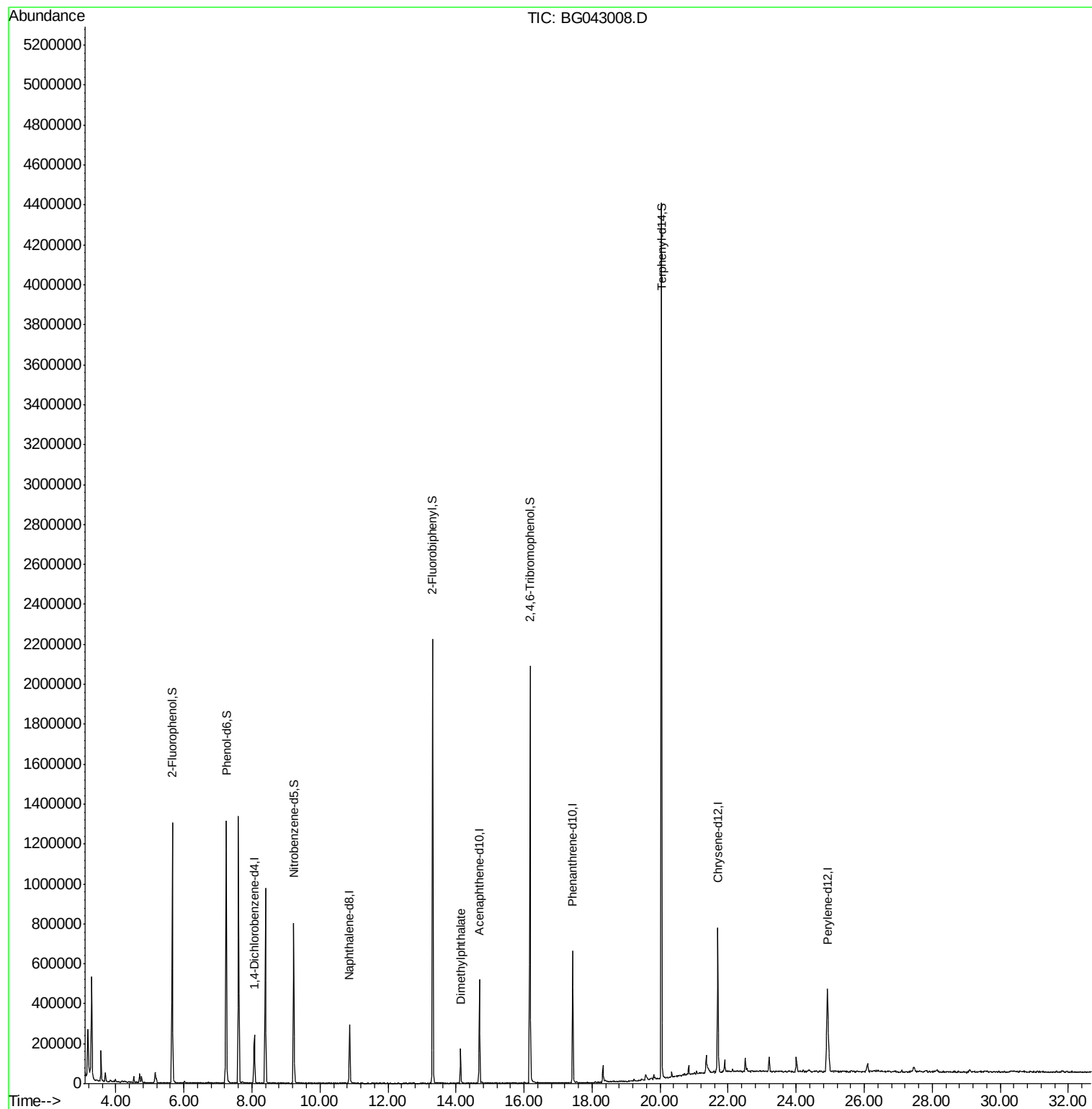
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 70257    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.87 | 136  | 259559   | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 184767   | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 17.42 | 188  | 427075   | 20.00  | ng    | -0.01     |
| 76) Chrysene-d12            | 21.70 | 240  | 443661   | 20.00  | ng    | -0.02     |
| 87) Perylene-d12            | 24.92 | 264  | 512887   | 20.00  | ng    | -0.04     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.66  | 112  | 529870   | 134.59 | ng    | 0.00      |
| 7) Phenol-d6                | 7.24  | 99   | 736720   | 129.95 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 488471   | 91.47  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 443100   | 139.46 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 1191911  | 93.52  | ng    | -0.01     |
| 79) Terphenyl-d14           | 20.04 | 244  | 2086285  | 100.20 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 14.13 | 163  | 114102   | 8.242  | ng    | Qvalue 96 |

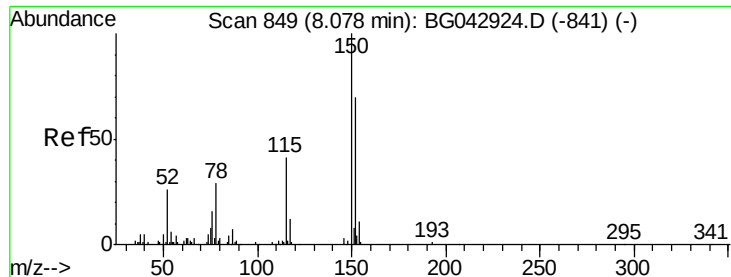
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\  
Data File : BG043008.D  
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Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-093019-A

Quant Time: Oct 03 07:49:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 25 15:35:52 2019  
Response via : Initial Calibration



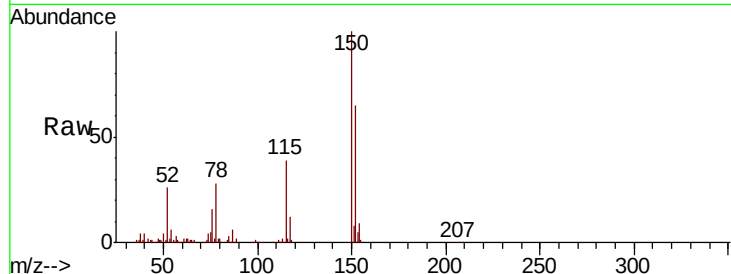


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-093019-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 115.0 | 172.4 |
| 115     | 59.9  | 47.0  | 70.6  |

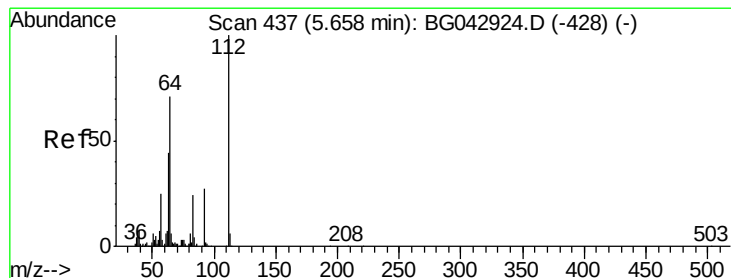
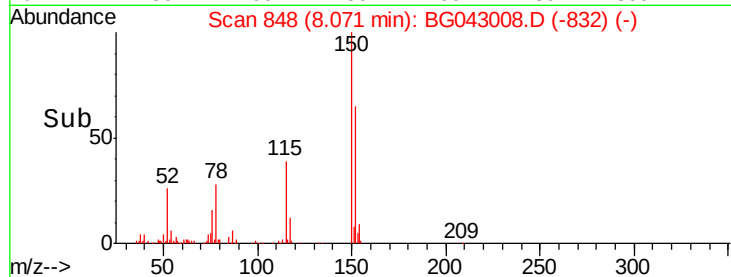
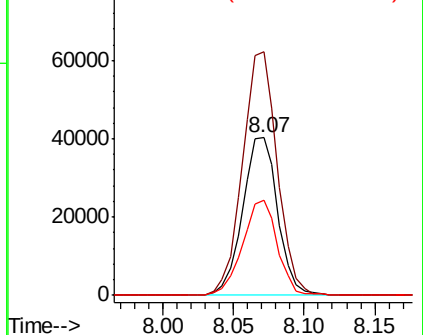


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

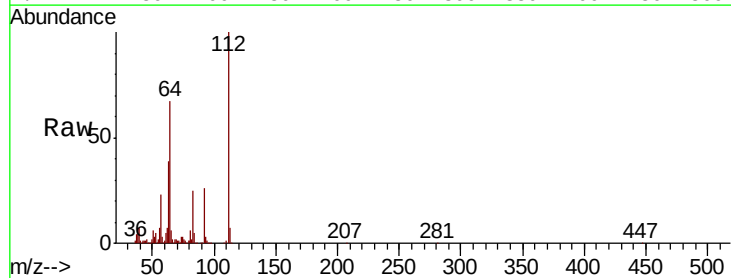
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 134.594 ng  
RT: 5.66 min Scan# 437  
Delta R.T. -0.00 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.1  | 56.6  | 84.8  |
| 63      | 39.1  | 35.1  | 52.7  |

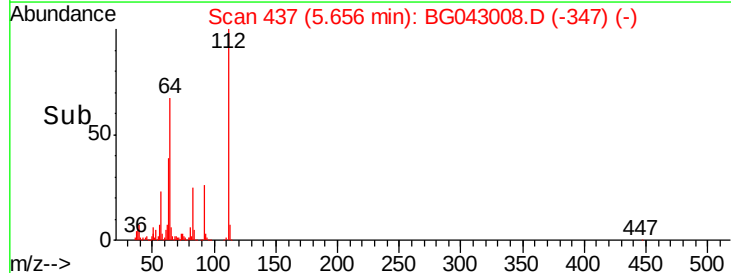
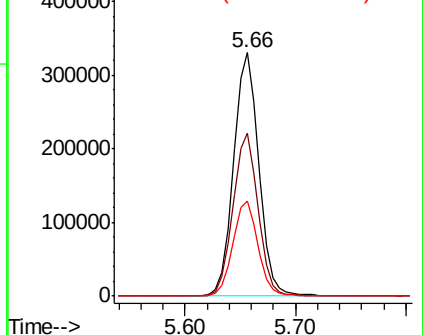


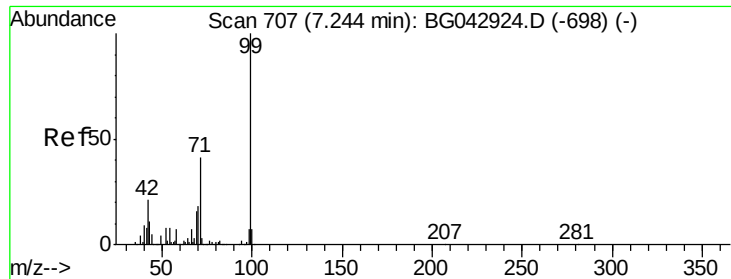
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 129.951 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043008.D

Acq: 3 Oct 2019 6:37

Instrument :

BNA\_G

ClientSampleId :

JC-02-093019-A

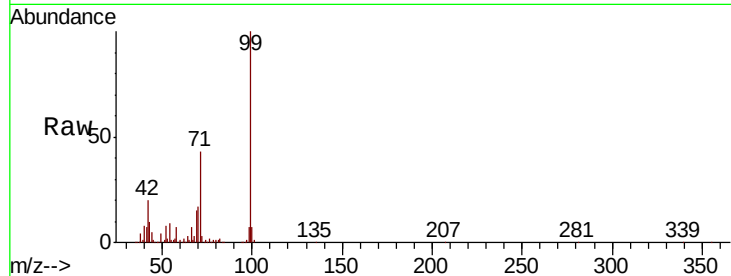
Tot Ion: 99 Resp: 736720

Ion Ratio Lower Upper

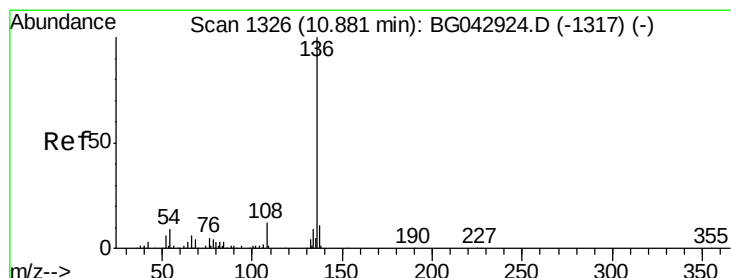
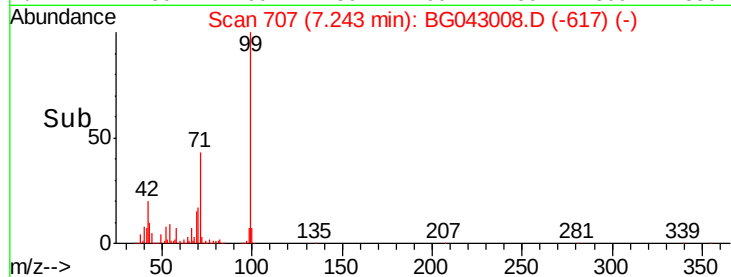
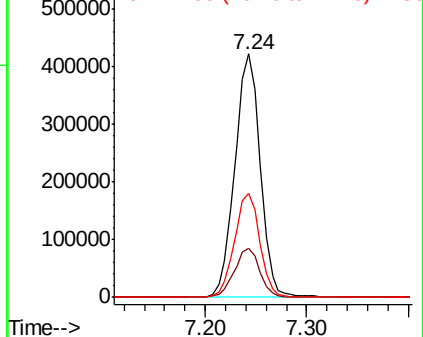
99 100

42 20.2 17.2 25.8

71 42.7 33.1 49.7



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG043008.D

Acq: 3 Oct 2019 6:37

Tgt Ion: 136 Resp: 259559

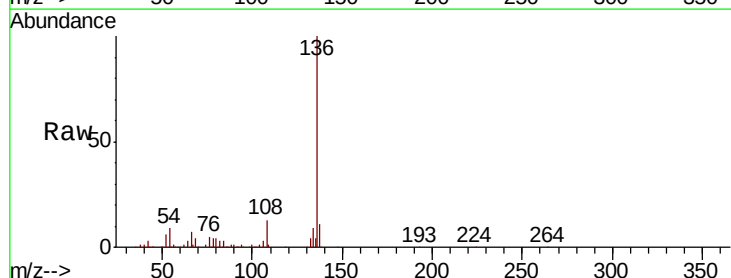
Ion Ratio Lower Upper

136 100

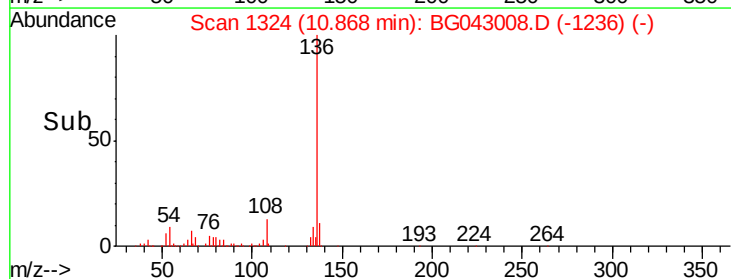
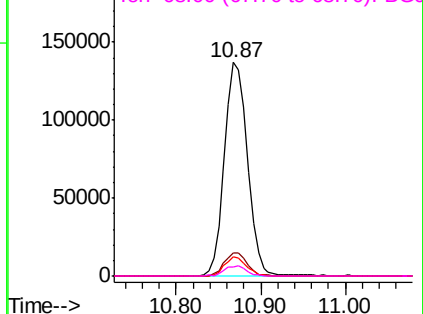
137 10.7 8.5 12.7

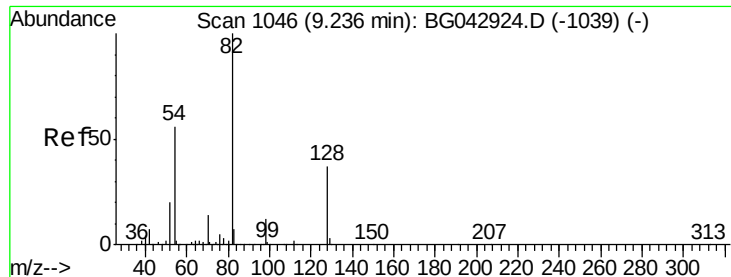
54 9.2 7.4 11.2

68 4.4 3.6 5.4



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

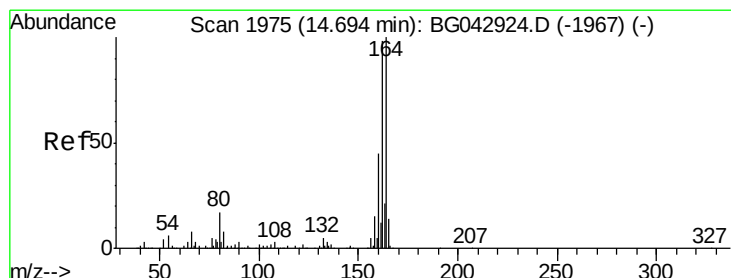
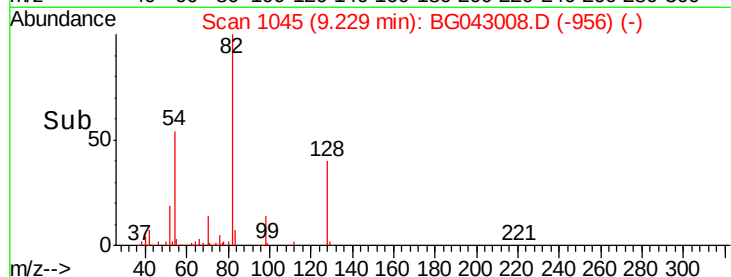
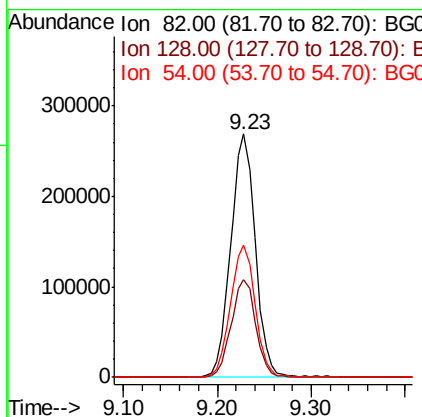
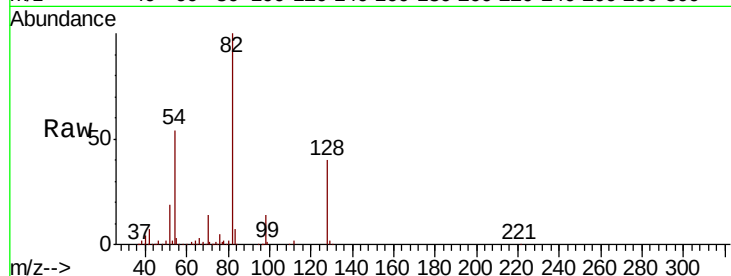




#23  
Nitrobenzene-d5  
Concen: 91.471 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

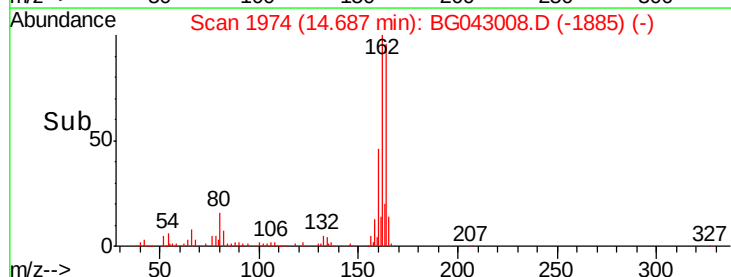
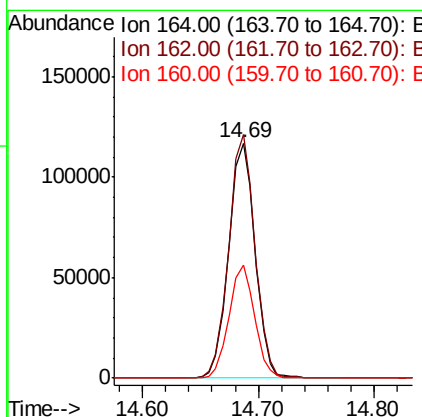
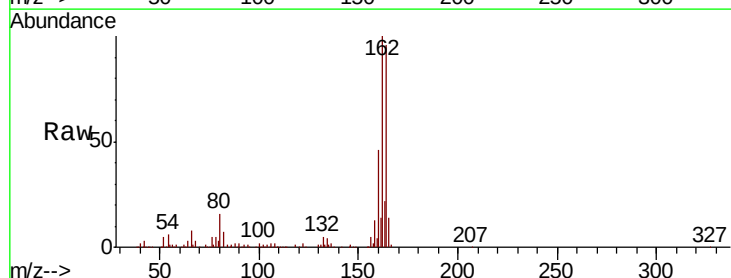
Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-093019-A

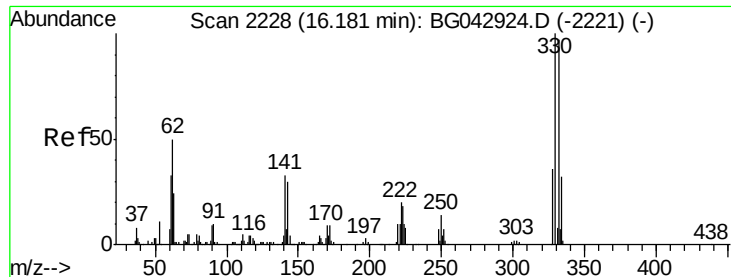
| Tot Ion   | 82    | Resp  | 488471 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.0  | 29.5  | 44.3   |
| 54        | 54.5  | 44.6  | 67.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1974  
Delta R.T. -0.01 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

| Tgt Ion   | 164   | Resp  | 184767 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.7 | 78.5  | 117.7  |
| 160       | 48.0  | 35.9  | 53.9   |

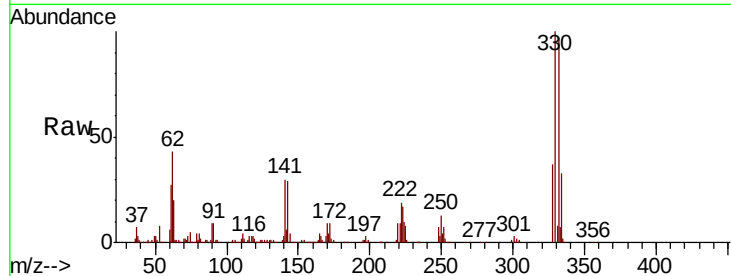




#42  
2,4,6-Tribromophenol  
Concen: 139.463 ng  
RT: 16.17 min Scan# 2227  
Delta R.T. -0.01 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

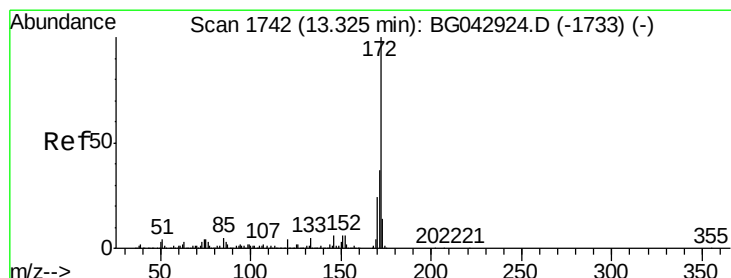
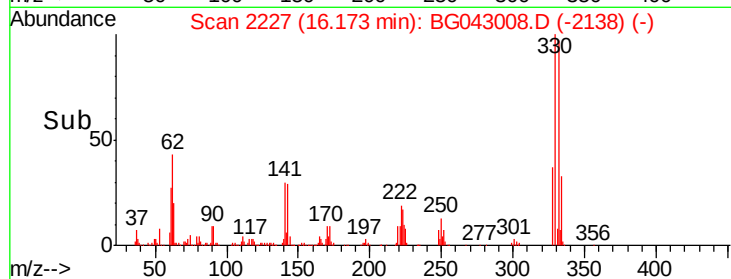
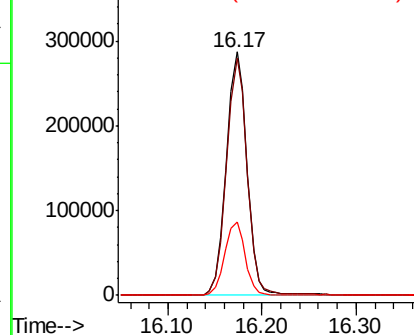
Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-093019-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 78.2  | 117.2 |
| 141     | 30.1  | 26.0  | 39.0  |



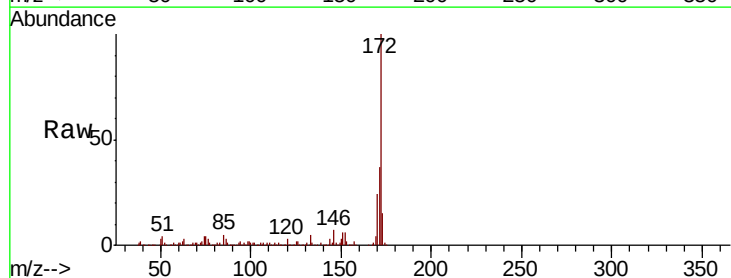
Abundance

Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



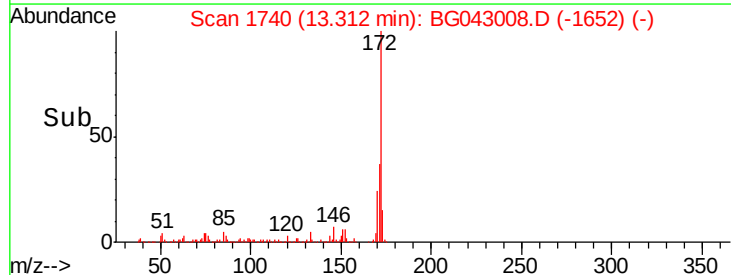
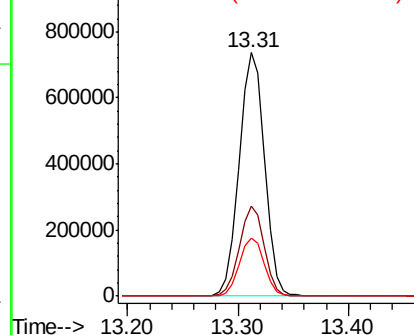
#45  
2-Fluorobiphenyl  
Concen: 93.518 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

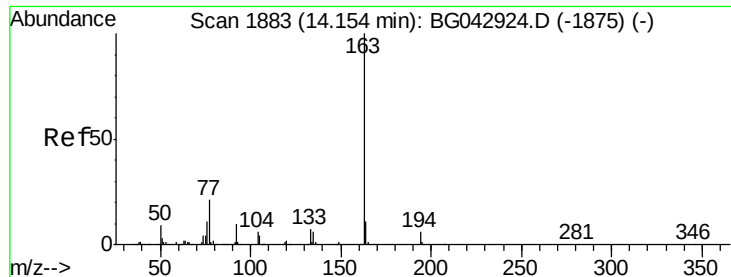
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.6  | 44.4  |
| 170     | 23.6  | 19.6  | 29.4  |



Abundance

Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.242 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG043008.D

Acq: 3 Oct 2019 6:37

Instrument :

BNA\_G

ClientSampleId :

JC-02-093019-A

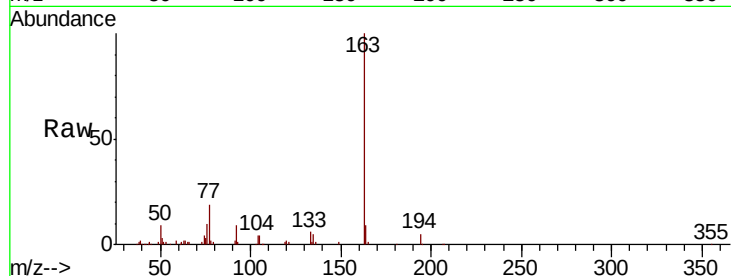
Tot Ion:163 Resp: 114102

Ion Ratio Lower Upper

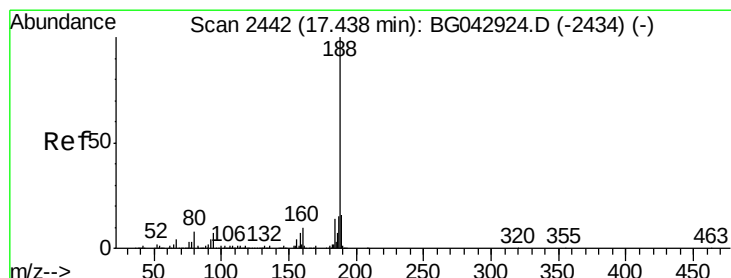
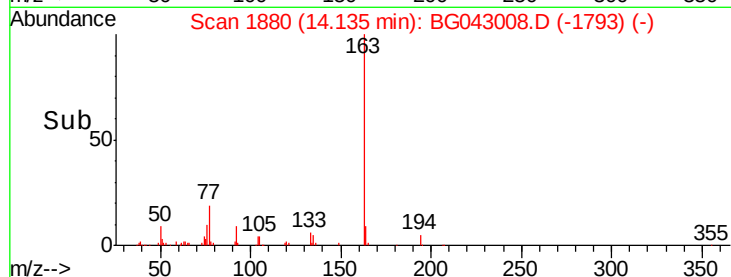
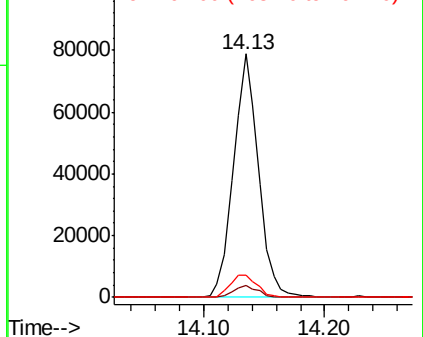
163 100

194 4.7 4.4 6.6

164 9.0 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043008.D

Acq: 3 Oct 2019 6:37

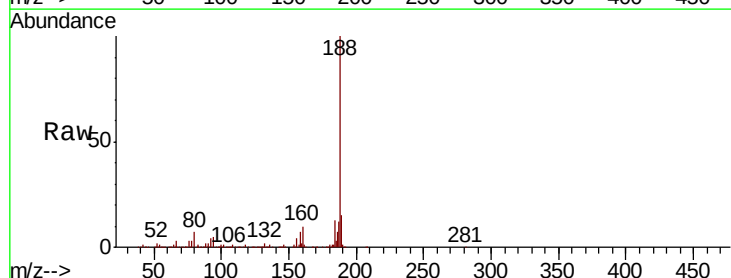
Tgt Ion:188 Resp: 427075

Ion Ratio Lower Upper

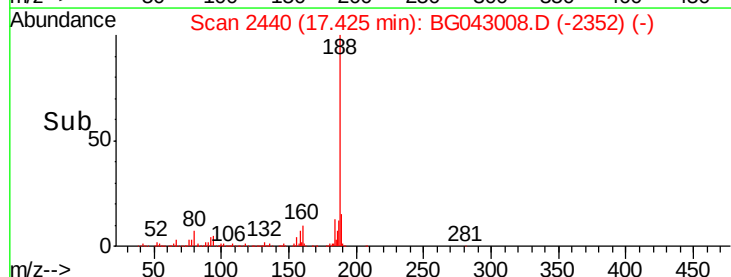
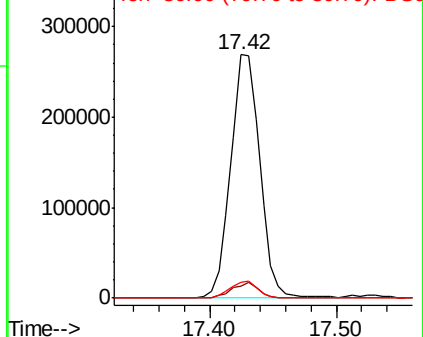
188 100

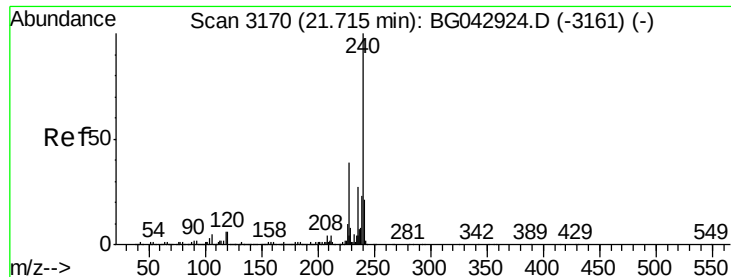
94 5.0 5.7 8.5#

80 6.7 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG043008.D

Acq: 3 Oct 2019 6:37

Instrument :

BNA\_G

ClientSampleId :

JC-02-093019-A

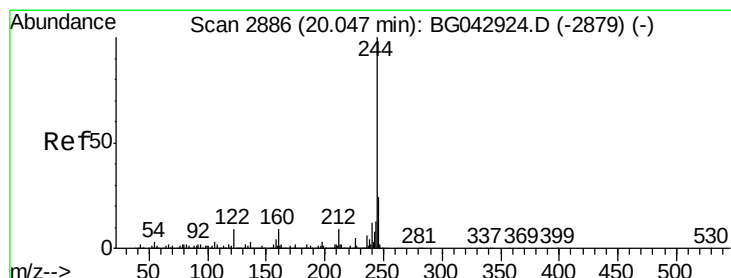
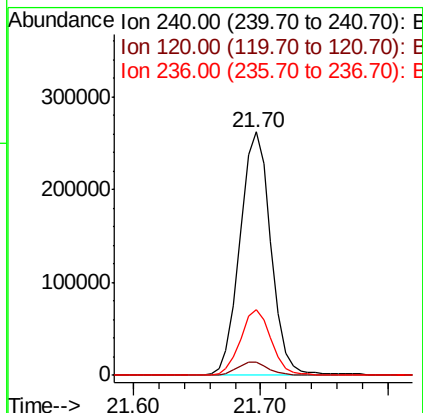
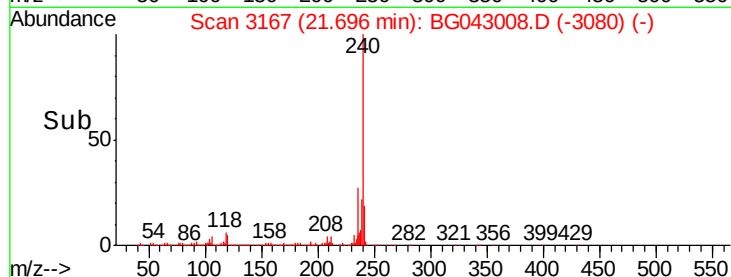
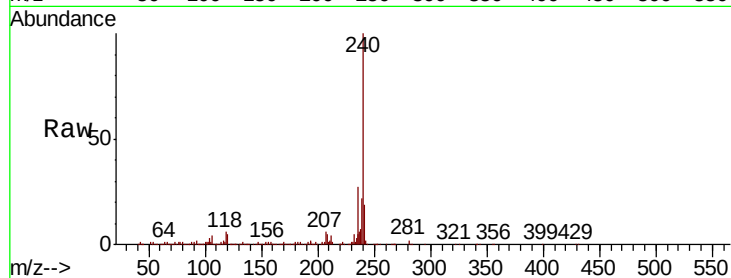
Tot Ion:240 Resp: 443661

Ion Ratio Lower Upper

240 100

120 5.2 4.8 7.2

236 27.0 21.4 32.0



#79

Terphenyl-d14

Concen: 100.203 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043008.D

Acq: 3 Oct 2019 6:37

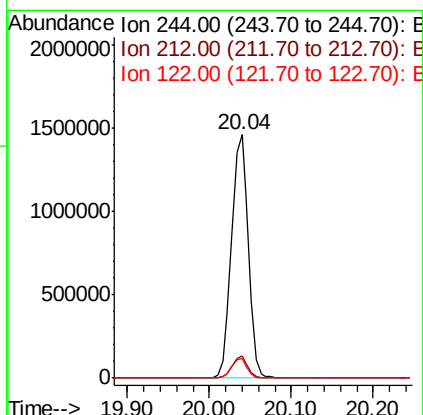
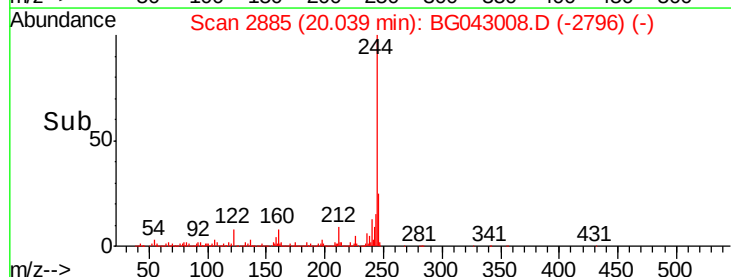
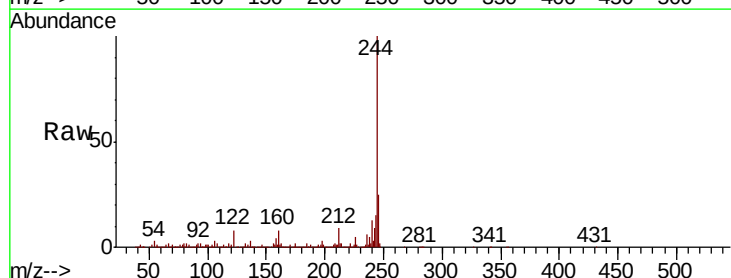
Tgt Ion:244 Resp: 2086285

Ion Ratio Lower Upper

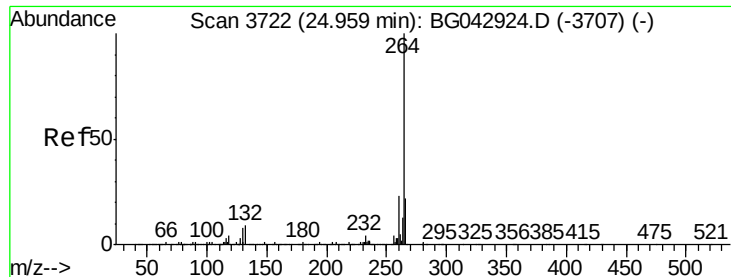
244 100

212 8.9 7.4 11.0

122 7.8 7.0 10.4



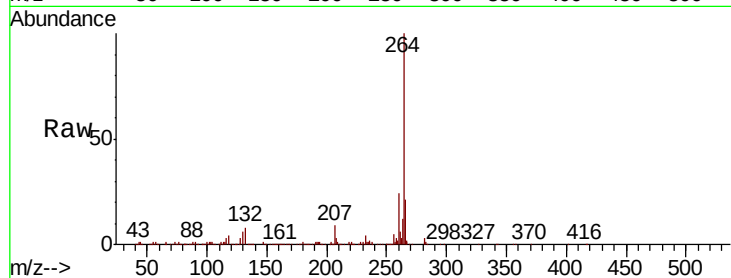




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.92 min Scan# 3716  
Delta R.T. -0.04 min  
Lab File: BG043008.D  
Acq: 3 Oct 2019 6:37

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-093019-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.7  | 28.1  |
| 265     | 21.5  | 17.7  | 26.5  |

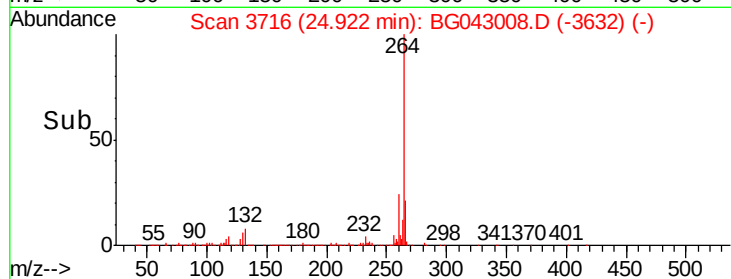
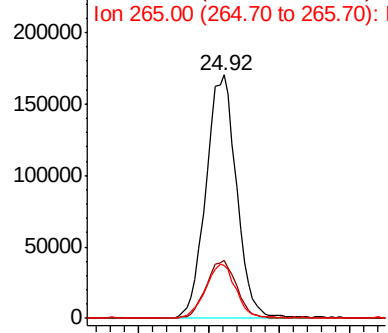


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->