

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022316\  
 Data File : BG021048.D  
 Acq On : 24 Feb 2016 5:53  
 Operator : UM/SJ  
 Sample : H1551-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 24 06:51:04 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 24 00:35:06 2016  
 Response via : Initial Calibration

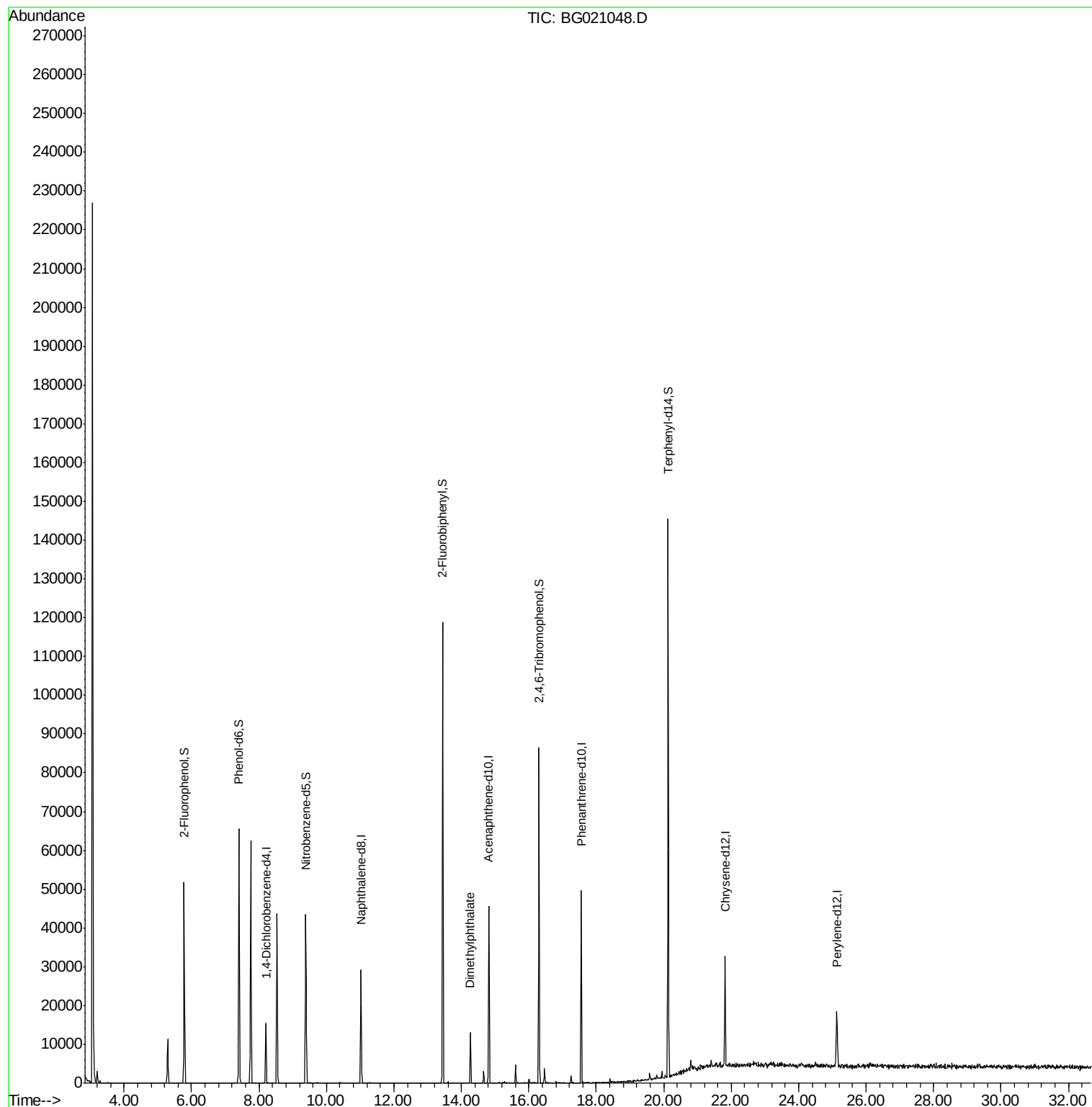
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 5148     | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.03 | 136  | 27635    | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.81 | 164  | 15489    | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.55 | 188  | 29060    | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 21.82 | 240  | 18623    | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 25.13 | 264  | 17476    | 20.00 | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.78  | 112  | 24986    | 85.09 | ng    | 0.00         |
| 7) Phenol-d6                | 7.41  | 99   | 41006    | 90.68 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.39  | 82   | 27061    | 57.49 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 15239    | 82.13 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 61298    | 55.09 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.13 | 244  | 56467    | 39.35 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 14.27 | 163  | 8998     | 7.12  | ng    | Qvalue<br>99 |

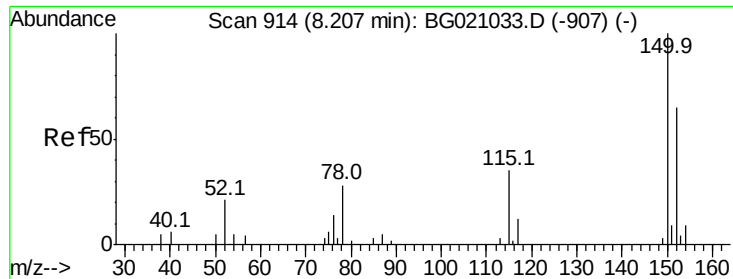
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Feb 24 06:51:04 2016  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 24 00:35:06 2016  
Response via : Initial Calibration



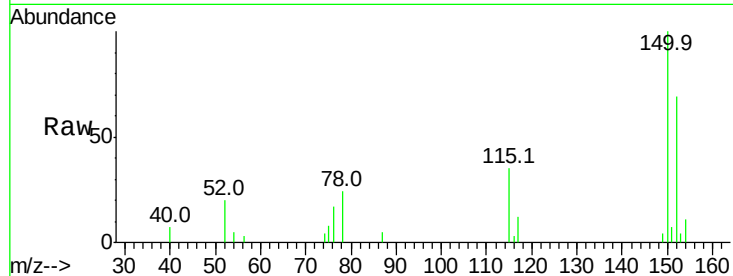


#1

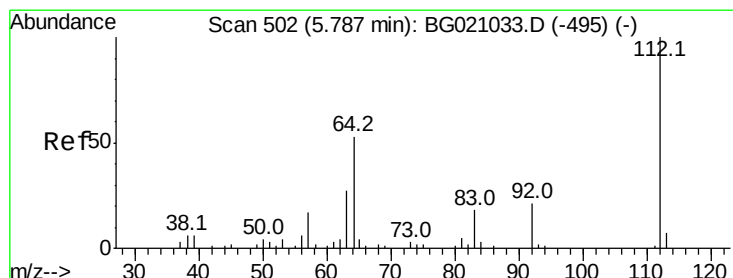
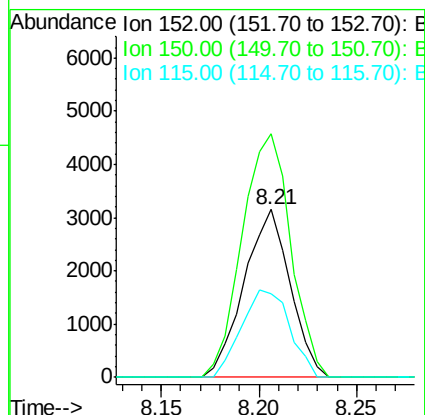
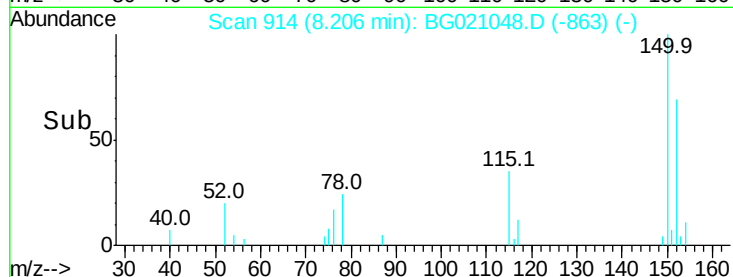
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.21 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BG021048.D  
Acq: 24 Feb 2016 5:53

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 5148  
Ion Ratio Lower Upper  
152 100  
150 145.2 123.4 185.2  
115 50.1 43.3 64.9



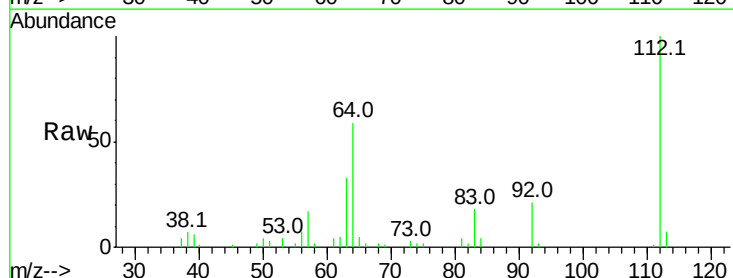
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



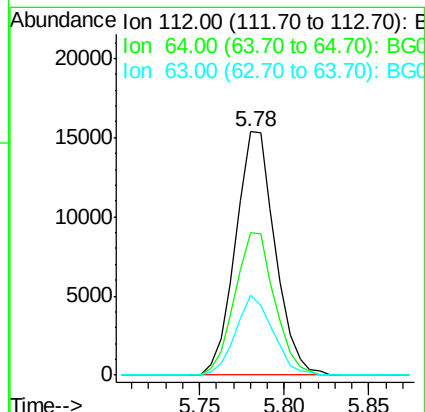
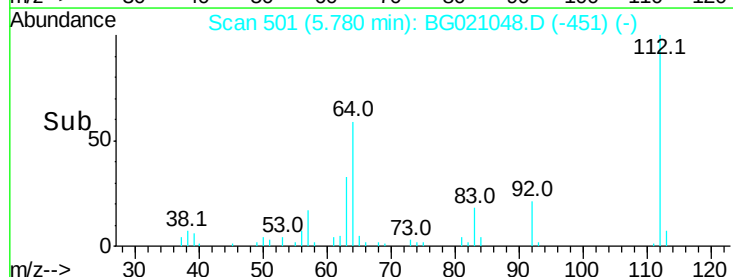
#5

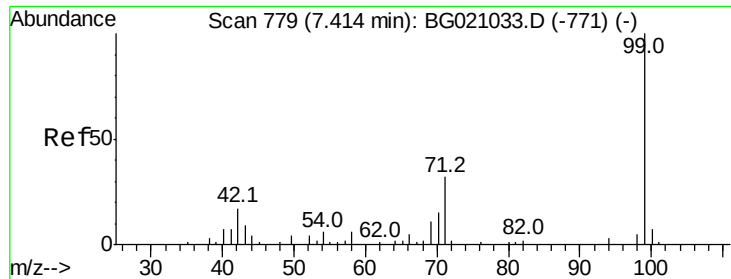
2-Fluorophenol  
Concen: 85.09 ng  
RT: 5.78 min Scan# 501  
Delta R.T. -0.01 min  
Lab File: BG021048.D  
Acq: 24 Feb 2016 5:53

Tgt Ion:112 Resp: 24986  
Ion Ratio Lower Upper  
112 100  
64 58.8 42.6 63.8  
63 32.7 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 90.68 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG021048.D

Acq: 24 Feb 2016 5:53

Instrument :

BNA\_G

ClientSampleId :

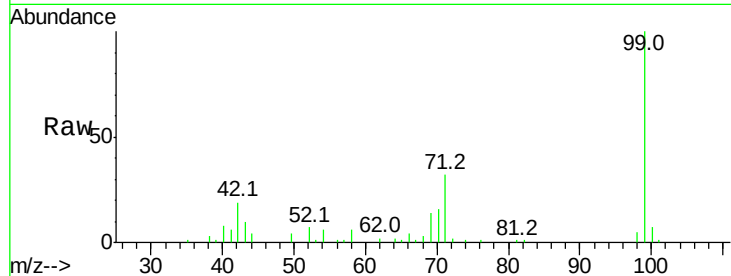
Tot Ion: 99 Resp: 41006

Ion Ratio Lower Upper

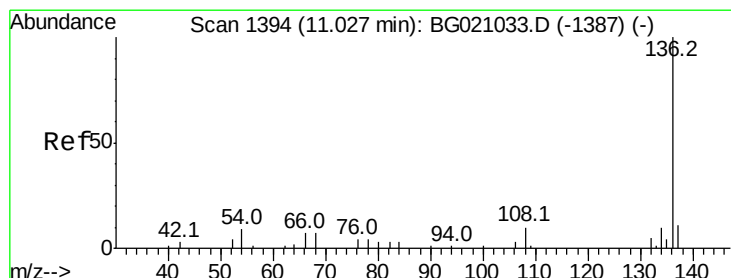
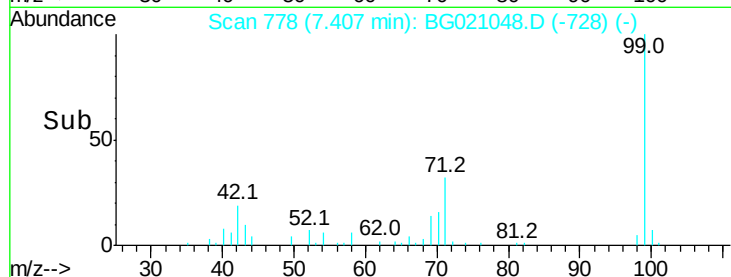
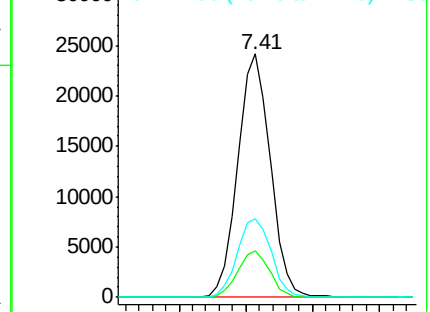
99 100

42 19.2 13.2 19.8

71 32.2 25.2 37.8



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: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG021048.D

Acq: 24 Feb 2016 5:53

Tgt Ion: 136 Resp: 27635

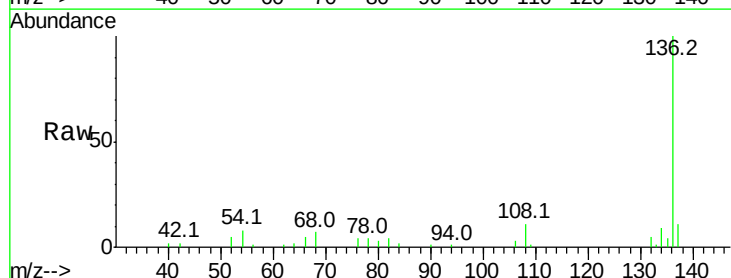
Ion Ratio Lower Upper

136 100

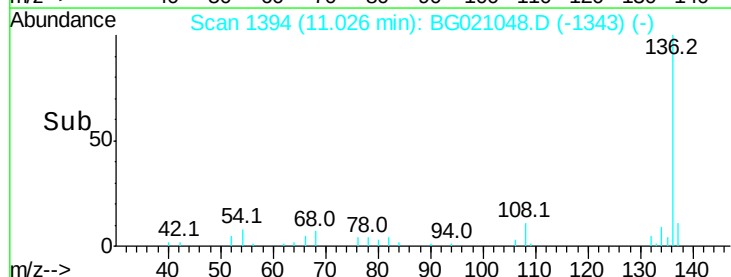
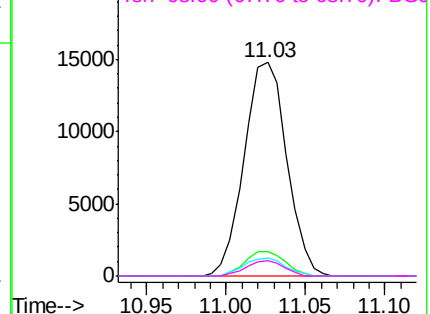
137 11.4 8.8 13.2

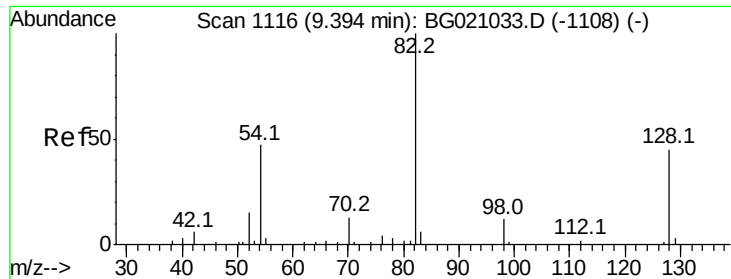
54 8.3 6.9 10.3

68 7.4 5.8 8.6



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

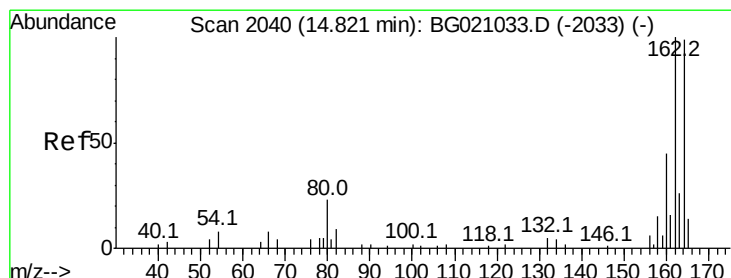
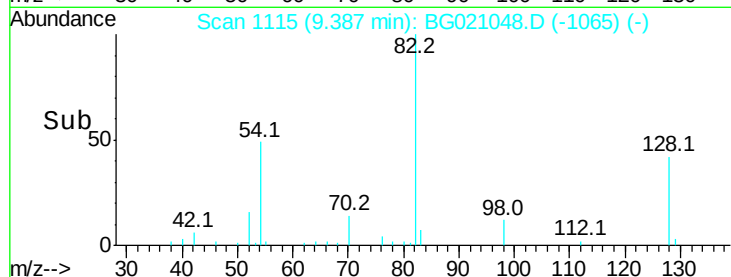
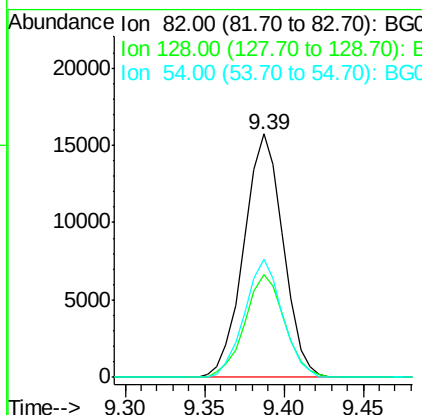
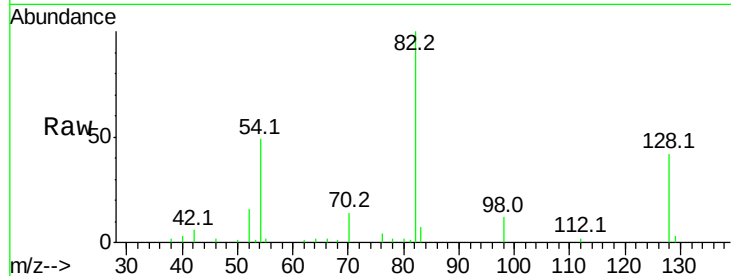




#23  
 Nitrobenzene-d5  
 Concen: 57.49 ng  
 RT: 9.39 min Scan# 1115  
 Delta R.T. -0.01 min  
 Lab File: BG021048.D  
 Acq: 24 Feb 2016 5:53

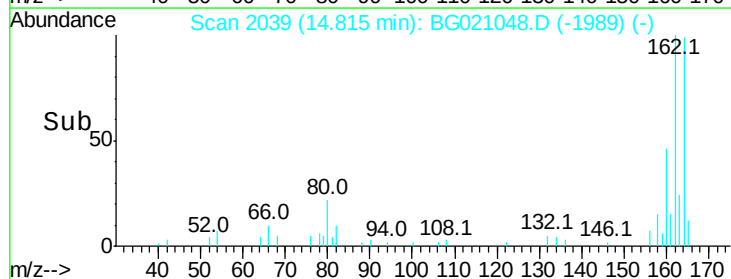
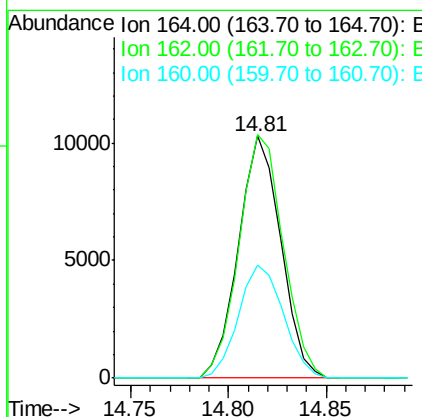
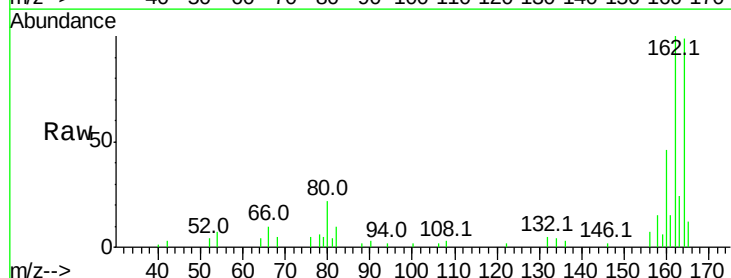
Instrument :  
 BNA\_G  
 ClientSampleId :

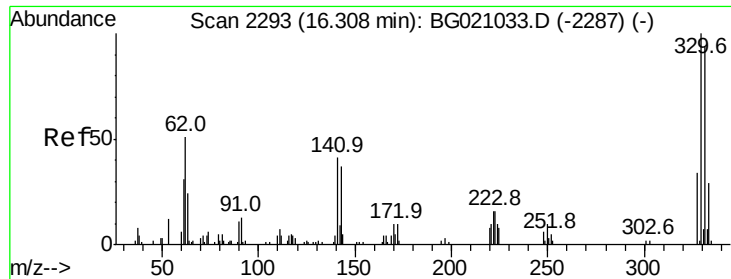
| Tot Ion   | 82    | Resp  | 27061 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 42.3  | 36.3  | 54.5  |
| 54        | 48.6  | 37.6  | 56.4  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.81 min Scan# 2039  
 Delta R.T. -0.01 min  
 Lab File: BG021048.D  
 Acq: 24 Feb 2016 5:53

| Tgt Ion   | 164   | Resp  | 15489 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.5 | 80.6  | 120.8 |
| 160       | 46.7  | 36.5  | 54.7  |

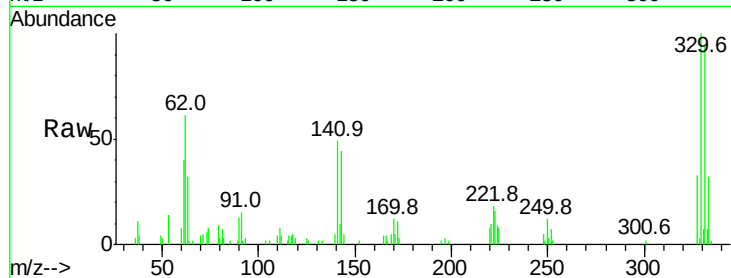




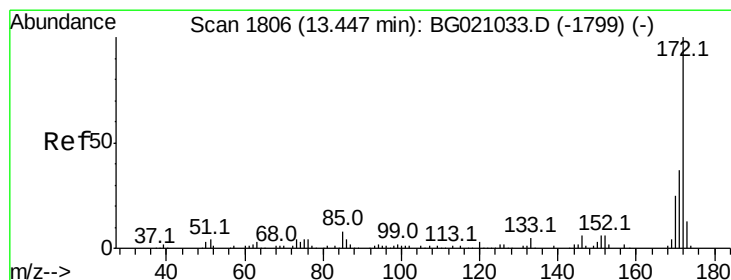
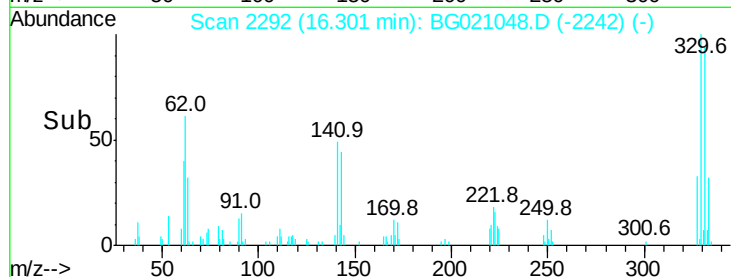
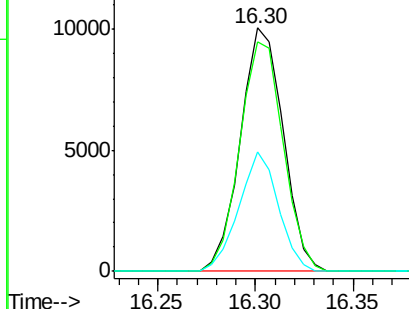
#41  
 2,4,6-Tribromophenol  
 Concen: 82.13 ng  
 RT: 16.30 min Scan# 2292  
 Delta R.T. -0.01 min  
 Lab File: BG021048.D  
 Acq: 24 Feb 2016 5:53

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.4  | 116.0 |
| 141     | 45.4  | 35.3  | 52.9  |

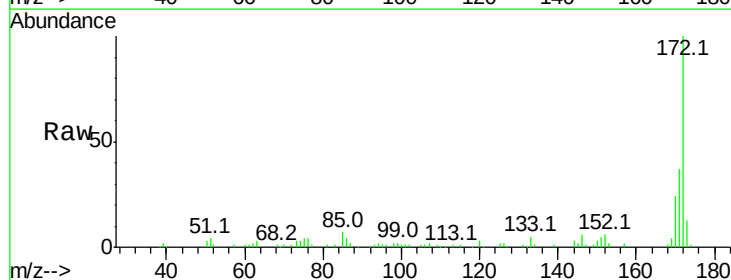


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

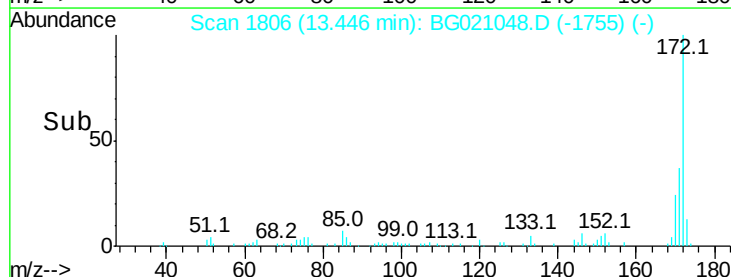
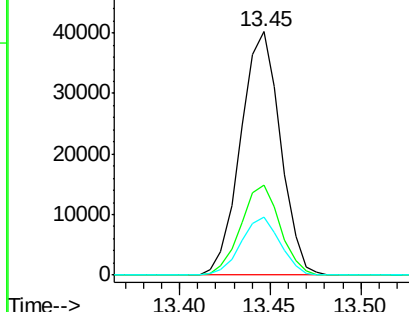


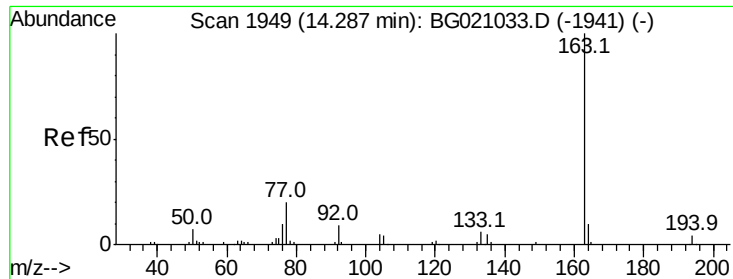
#44  
 2-Fluorobiphenyl  
 Concen: 55.09 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: BG021048.D  
 Acq: 24 Feb 2016 5:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.4  | 44.0  |
| 170     | 23.9  | 19.8  | 29.8  |



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

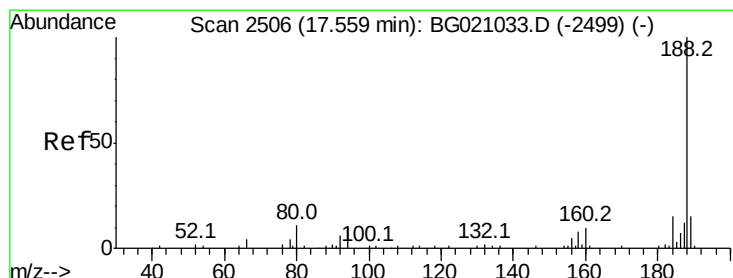
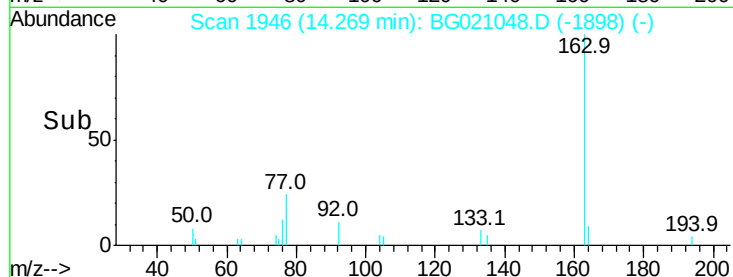
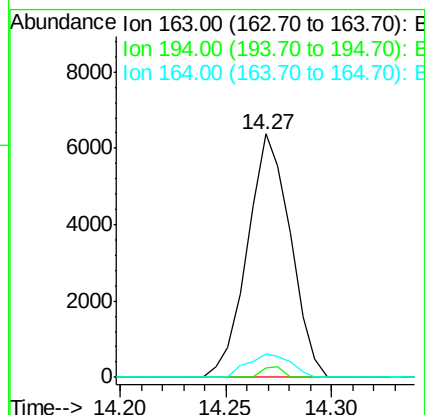
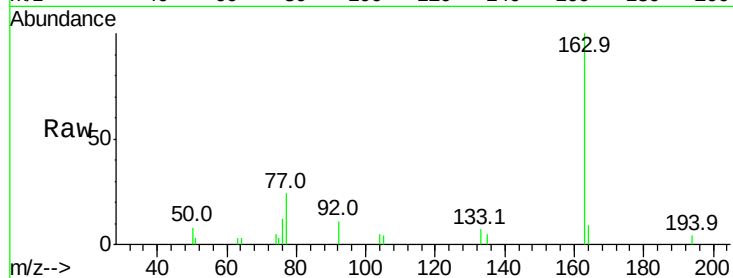




#49  
 Dimethylphthalate  
 Concen: 7.12 ng  
 RT: 14.27 min Scan# 1946  
 Delta R.T. -0.02 min  
 Lab File: BG021048.D  
 Acq: 24 Feb 2016 5:53

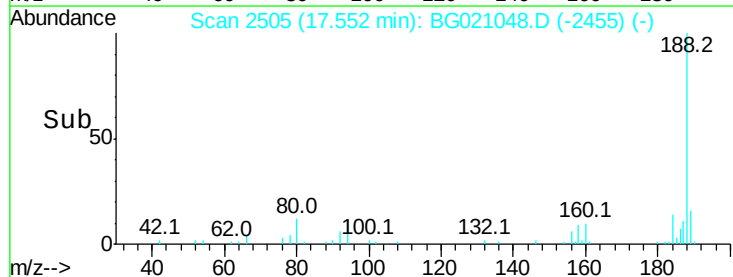
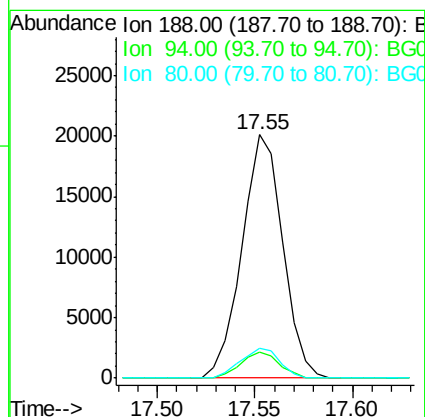
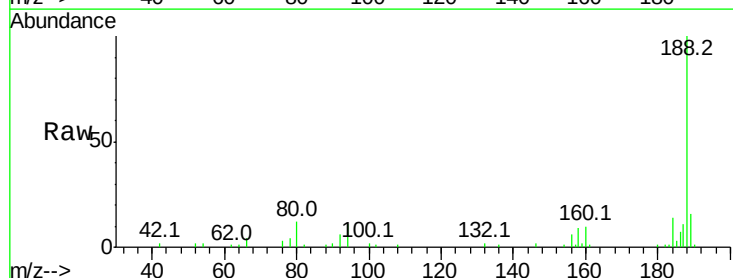
Instrument :  
 BNA\_G  
 ClientSampleId :

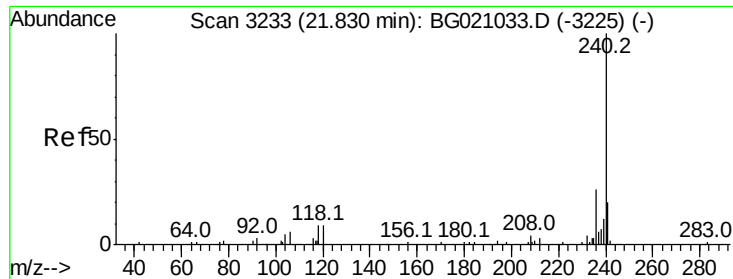
Tot Ion:163 Resp: 8998  
 Ion Ratio Lower Upper  
 163 100  
 194 3.6 2.8 4.2  
 164 9.4 7.9 11.9



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.55 min Scan# 2505  
 Delta R.T. -0.01 min  
 Lab File: BG021048.D  
 Acq: 24 Feb 2016 5:53

Tgt Ion:188 Resp: 29060  
 Ion Ratio Lower Upper  
 188 100  
 94 10.7 8.2 12.4  
 80 12.1 9.2 13.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021048.D

Acq: 24 Feb 2016 5:53

Instrument :

BNA\_G

ClientSampled :

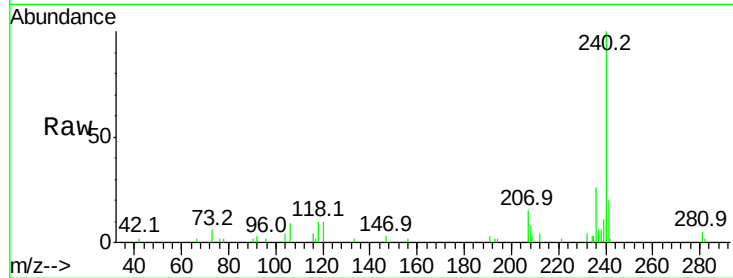
Tot Ion:240 Resp: 18623

Ion Ratio Lower Upper

240 100

120 10.2 7.5 11.3

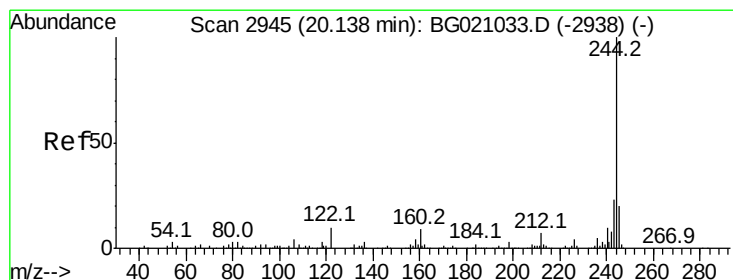
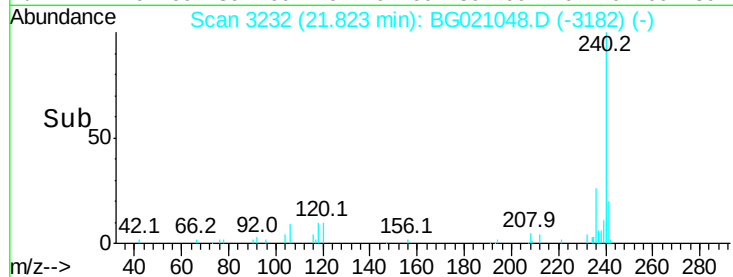
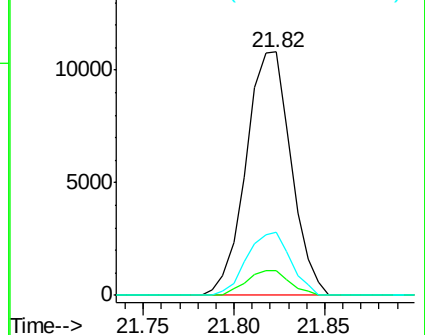
236 25.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 39.35 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG021048.D

Acq: 24 Feb 2016 5:53

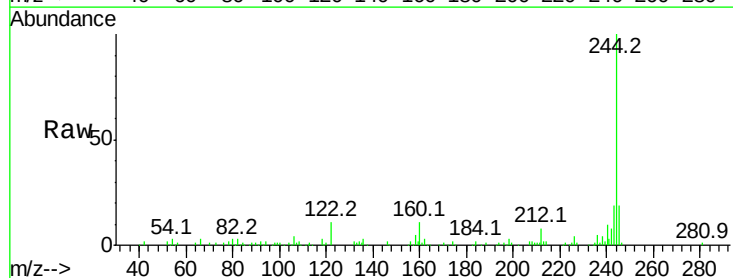
Tgt Ion:244 Resp: 56467

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.6

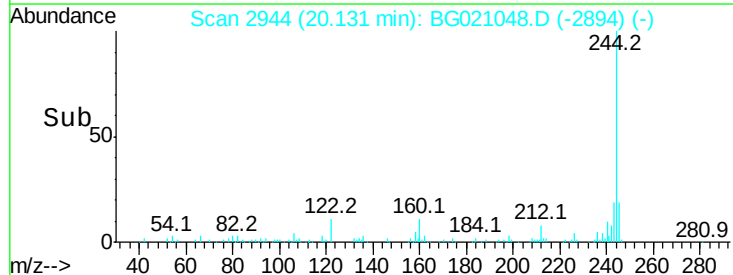
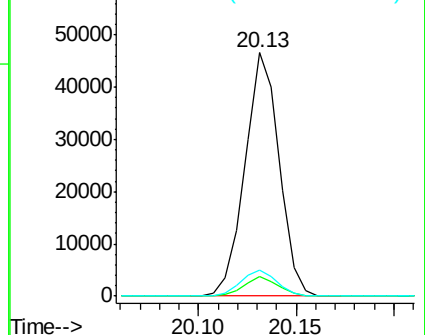
122 10.6 8.3 12.5



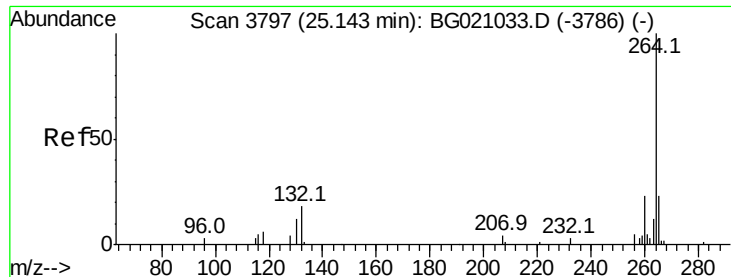
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



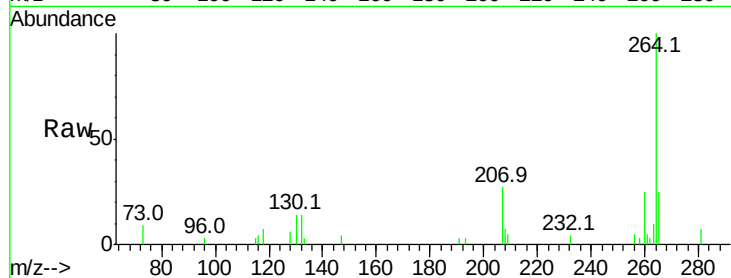




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.13 min Scan# 3795  
Delta R.T. -0.01 min  
Lab File: BG021048.D  
Acq: 24 Feb 2016 5:53

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 18.5  | 27.7  |
| 265     | 25.1  | 18.6  | 28.0  |



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

