

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\  
 Data File : BG043366.D  
 Acq On : 29 Oct 2019 1:21  
 Operator : JU  
 Sample : K5539-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 163-52-(0-1)

Quant Time: Oct 29 13:50:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

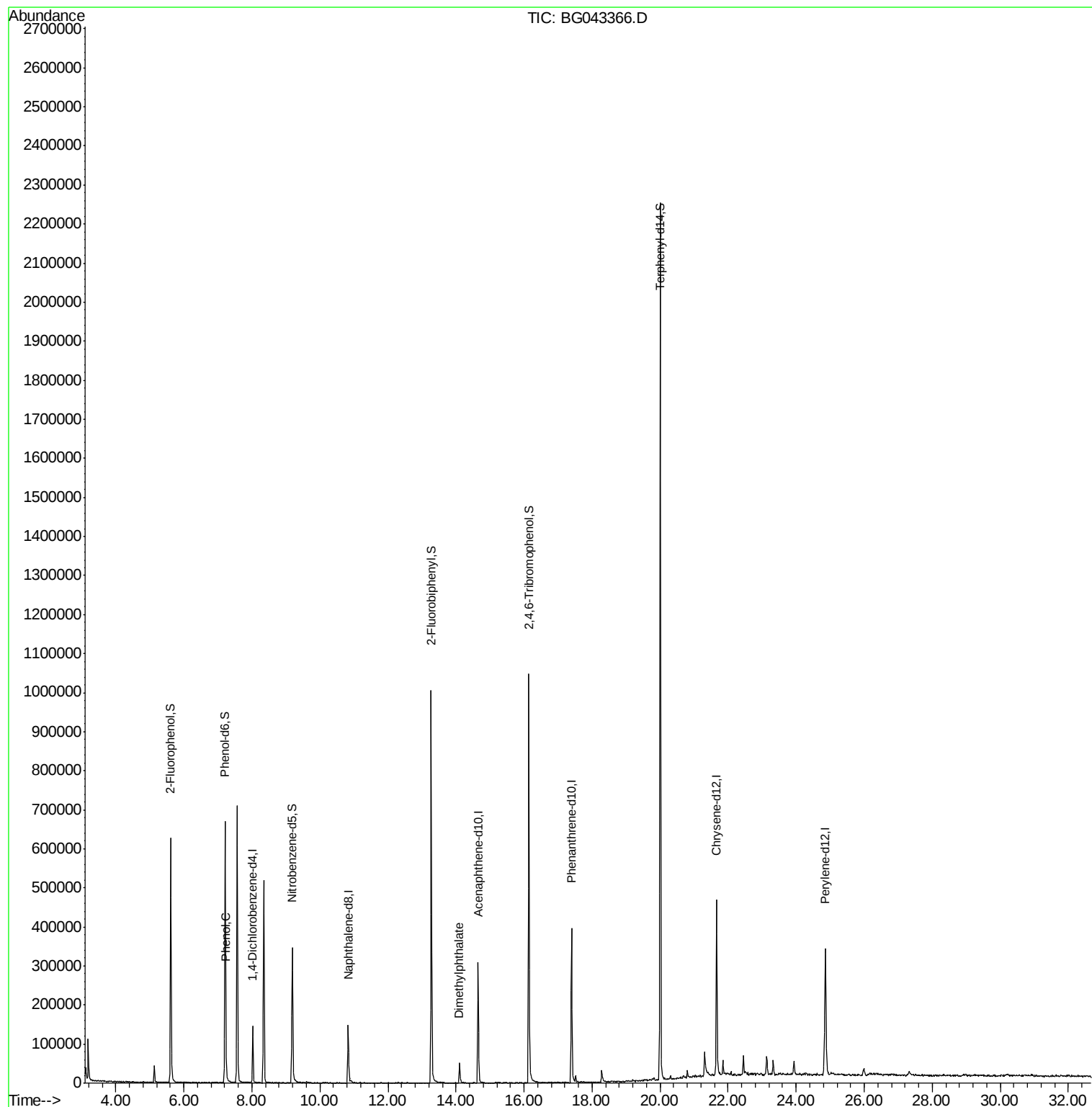
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 44759    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.83 | 136  | 154075   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.65 | 164  | 119429   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.40 | 188  | 279870   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.66 | 240  | 315543   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 24.86 | 264  | 371573   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.62  | 112  | 299287   | 122.53 | ng    | 0.01        |
| 7) Phenol-d6                | 7.21  | 99   | 415286   | 118.17 | ng    | 0.01        |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 248764   | 83.24  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 253476   | 111.53 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.27 | 172  | 600075   | 69.43  | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.01 | 244  | 1198699  | 71.27  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.24  | 94   | 10800    | 3.363  | ng    | Qvalue # 71 |
| 50) Dimethylphthalate       | 14.10 | 163  | 45679    | 4.938  | ng    | 99          |

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

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Instrument :  
BNA\_G  
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163-52-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 21 16:37:43 2019  
Response via : Initial Calibration



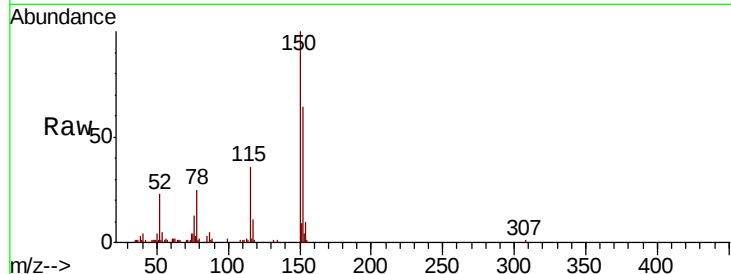


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

Instrument :  
BNA\_G  
ClientSampleId :  
163-52-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 113.6 | 170.4 |
| 115     | 56.5  | 45.9  | 68.9  |

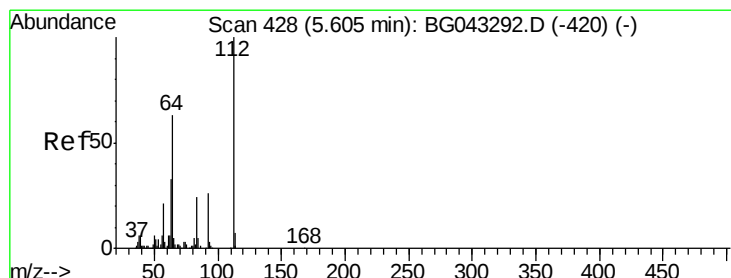
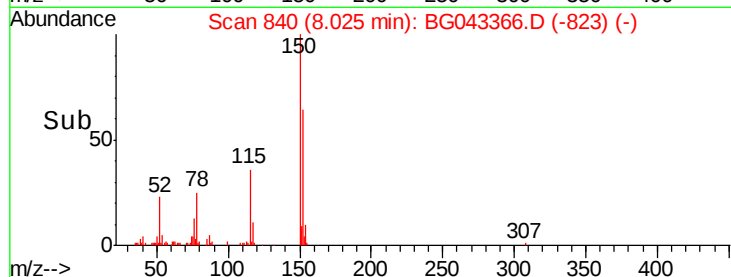
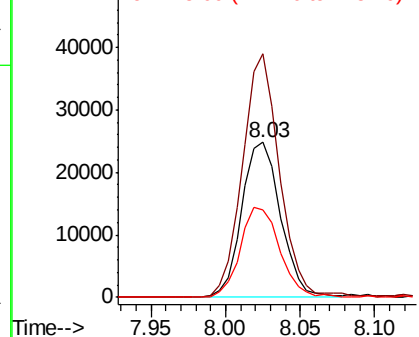


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

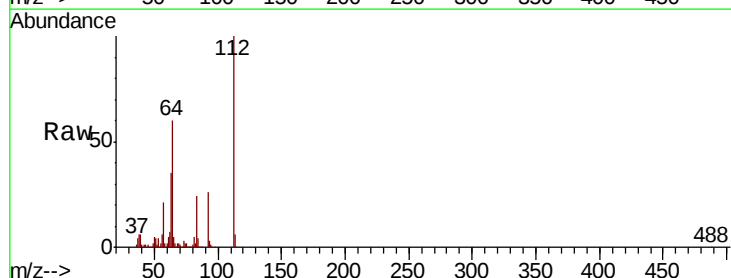
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 122.529 ng  
RT: 5.62 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.6  | 50.2  | 75.2  |
| 63      | 35.4  | 26.7  | 40.1  |

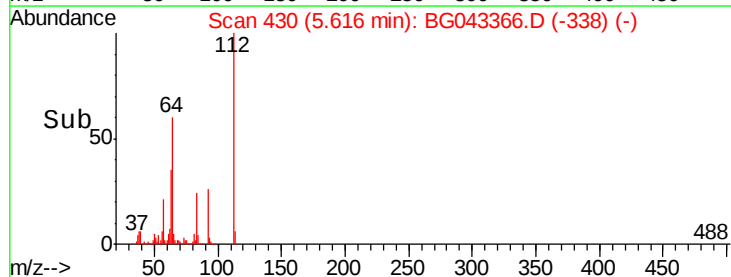
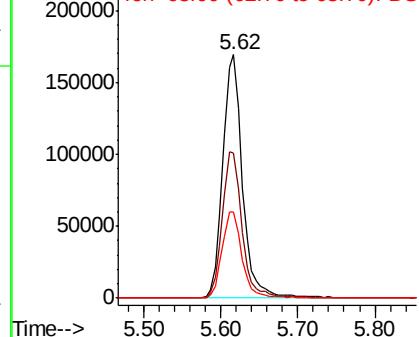


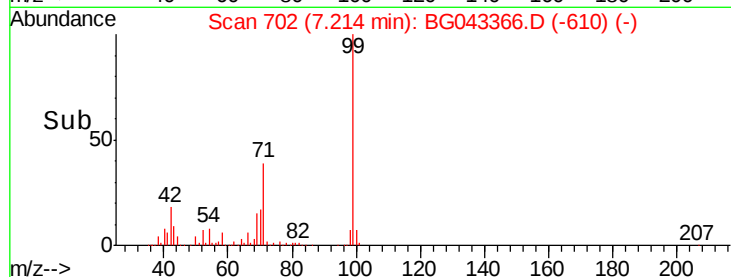
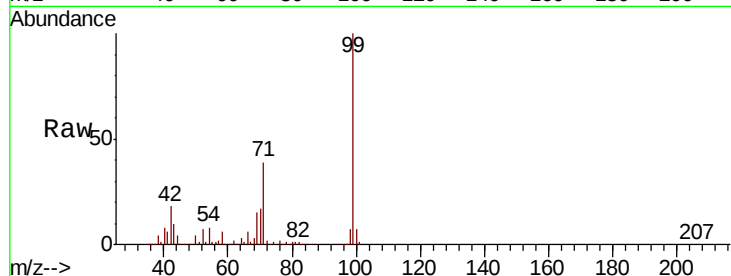
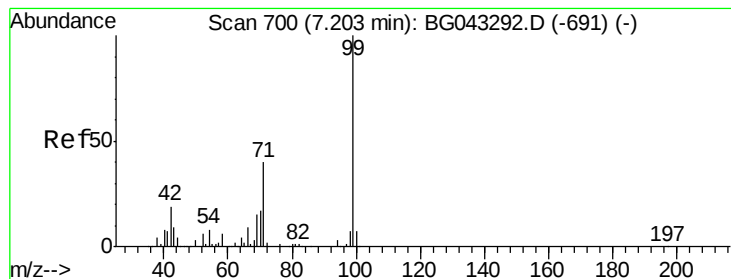
Abundance

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: 118.170 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043366.D

Acq: 29 Oct 2019 1:21

Instrument :

BNA\_G

ClientSampleId :

163-52-(0-1)

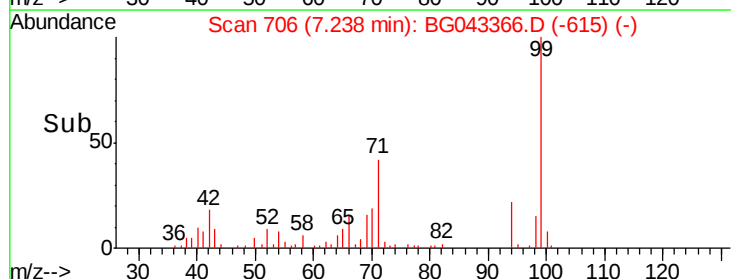
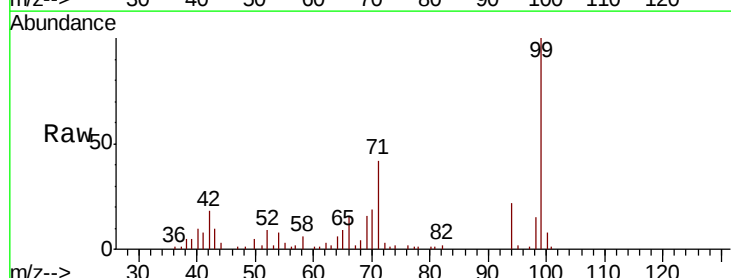
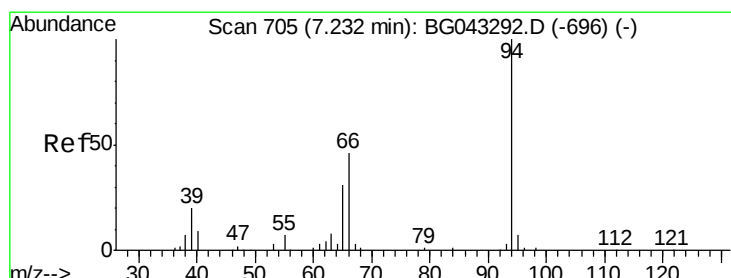
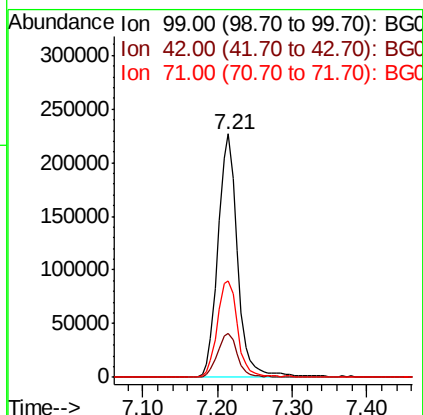
Tot Ion: 99 Resp: 415286

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

71 39.4 32.2 48.2



#10

Phenol

Concen: 3.363 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG043366.D

Acq: 29 Oct 2019 1:21

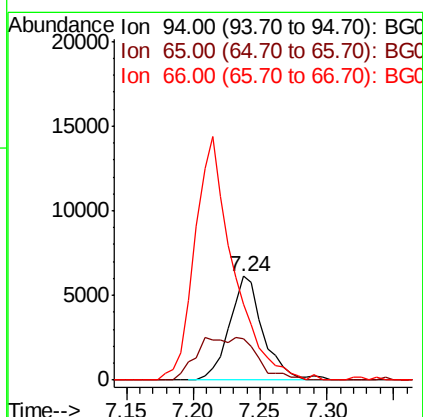
Tgt Ion: 94 Resp: 10800

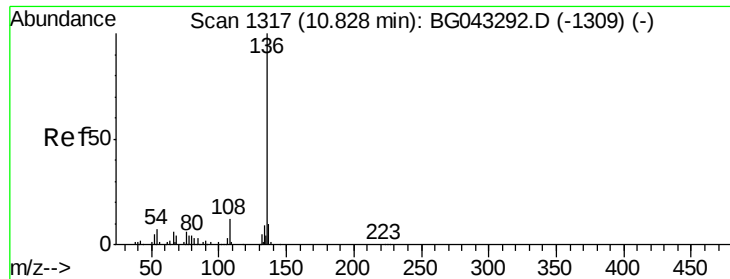
Ion Ratio Lower Upper

94 100

65 40.3 11.1 51.1

66 73.2 27.8 67.8#

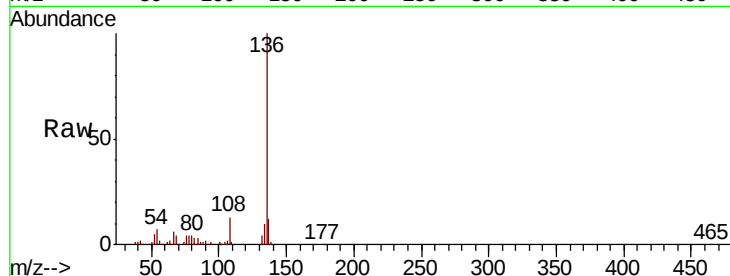




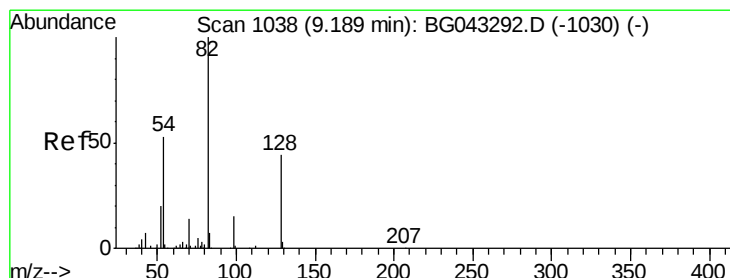
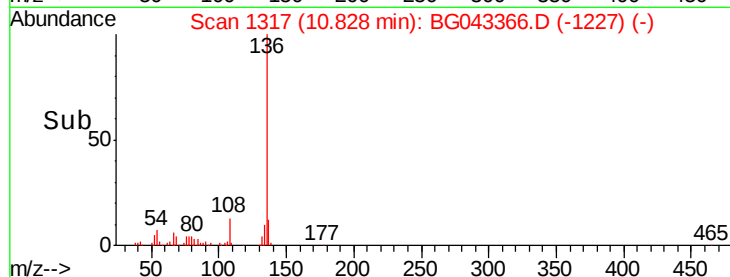
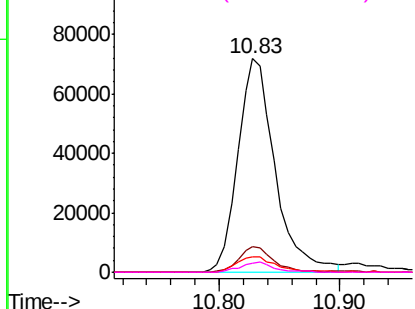
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1317  
Delta R.T. -0.00 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

Instrument :  
BNA\_G  
ClientSampleId :  
163-52-(0-1)

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 154075 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 12.2    | 8.2   | 12.2   |
| 54 7.1      | 5.4   | 8.2    |
| 68 4.2      | 3.3   | 4.9    |

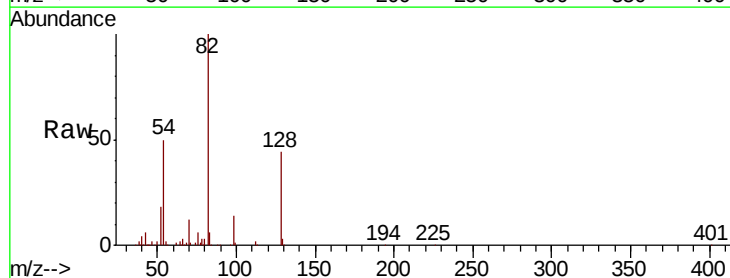


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

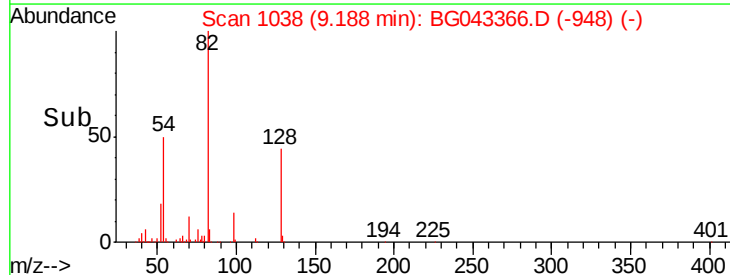
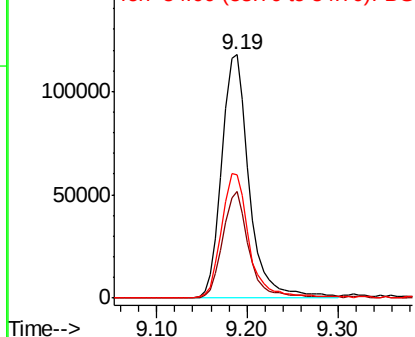


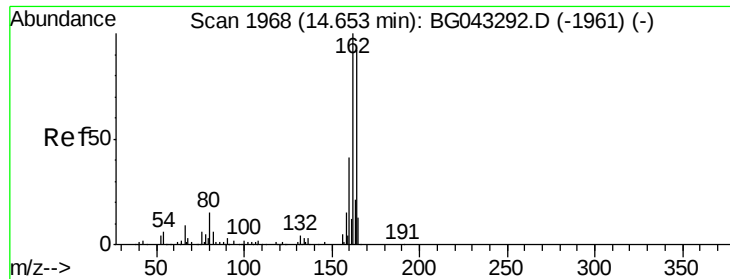
#23  
Nitrobenzene-d5  
Concen: 83.238 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 248764 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 43.8    | 35.3 52.9    |
| 54 50.4     | 42.3 63.5    |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

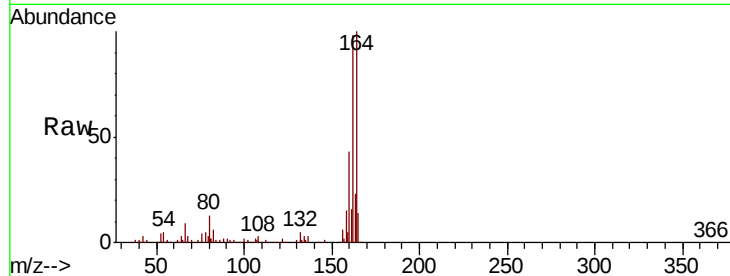




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

Instrument :  
BNA\_G  
ClientSampleId :  
163-52-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.8  | 87.0  | 130.4 |
| 160     | 42.9  | 35.5  | 53.3  |

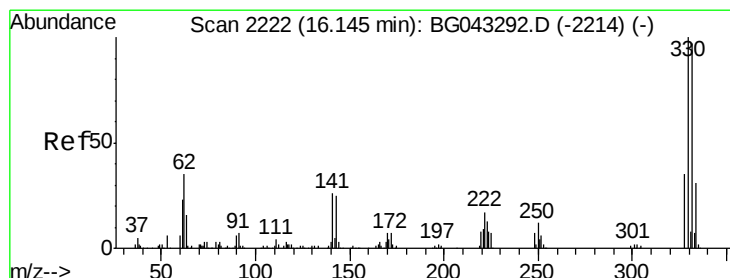
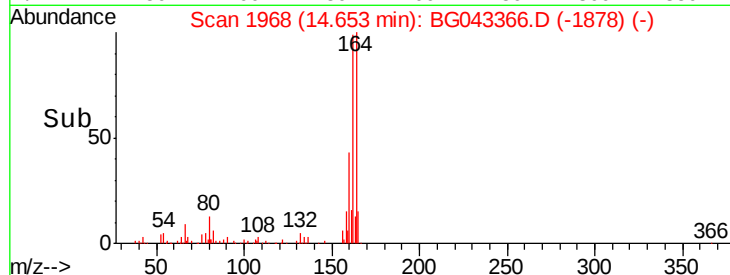
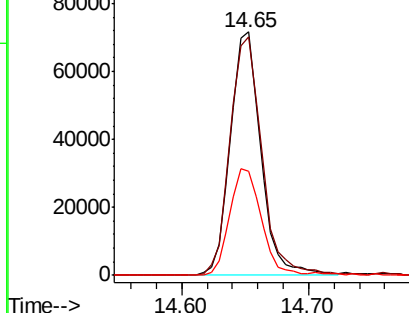


Abundance

Ion 164.00 (163.70 to 164.70): E

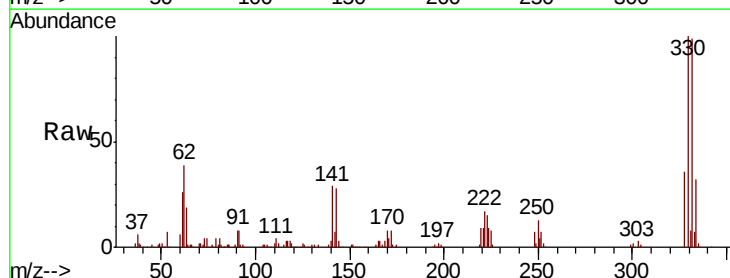
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42  
2,4,6-Tribromophenol  
Concen: 111.529 ng  
RT: 16.14 min Scan# 2221  
Delta R.T. -0.01 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.4  | 114.6 |
| 141     | 27.1  | 21.4  | 32.0  |

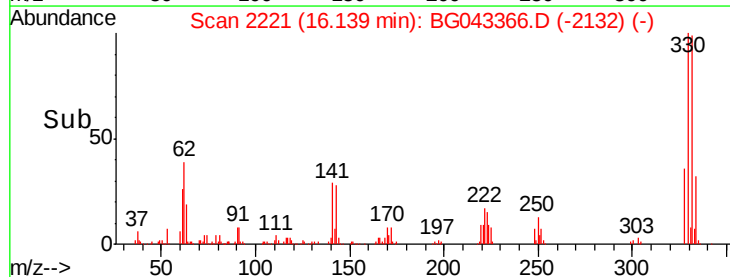
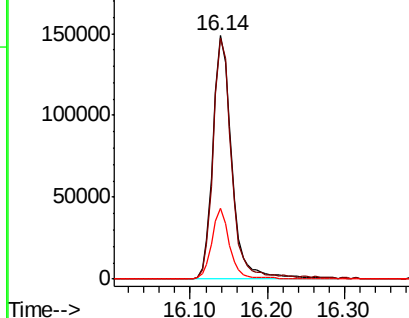


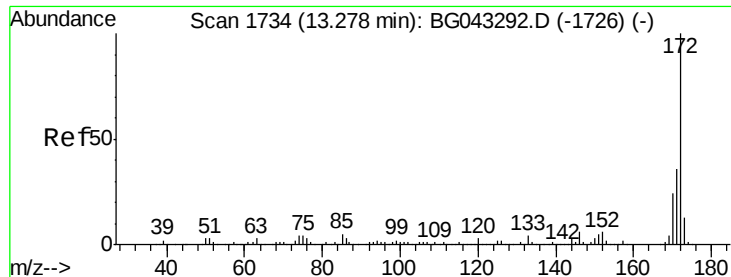
Abundance

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

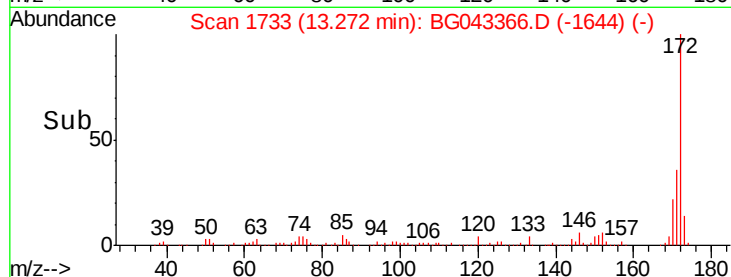
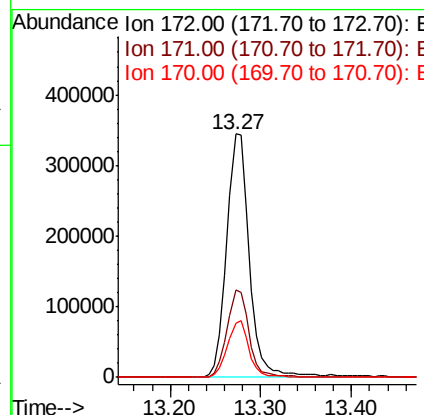
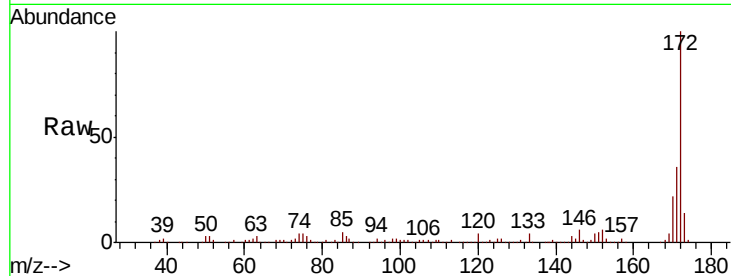




#45  
2-Fluorobiphenyl  
Concen: 69.429 ng  
RT: 13.27 min Scan# 1733  
Delta R.T. -0.01 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

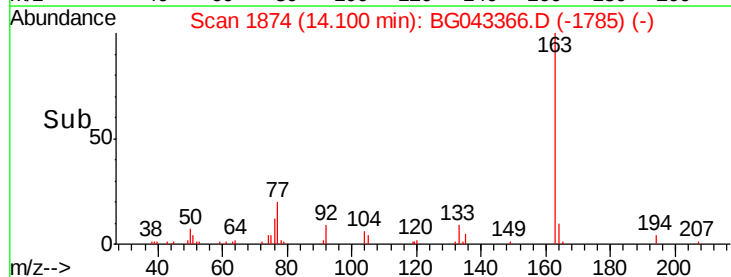
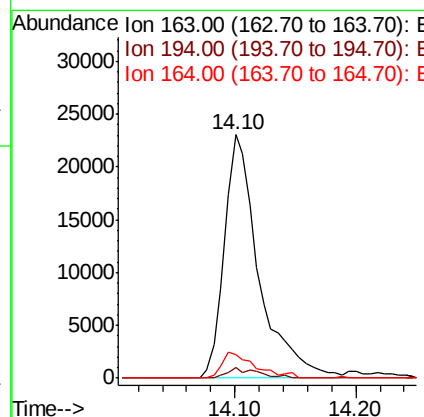
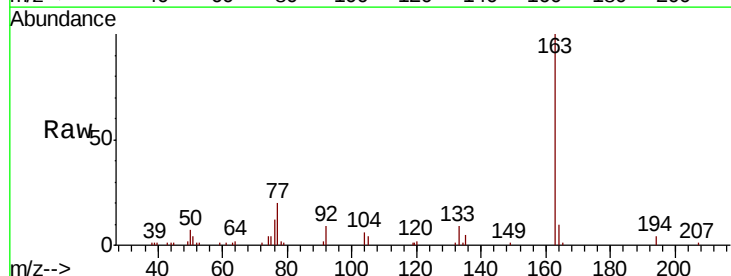
Instrument :  
BNA\_G  
ClientSampled :  
163-52-(0-1)

Tot Ion:172 Resp: 600075  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.5 42.7  
170 22.4 18.8 28.2



#50  
Dimethylphthalate  
Concen: 4.938 ng  
RT: 14.10 min Scan# 1874  
Delta R.T. -0.01 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

Tgt Ion:163 Resp: 45679  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.7 5.5  
164 9.7 8.1 12.1

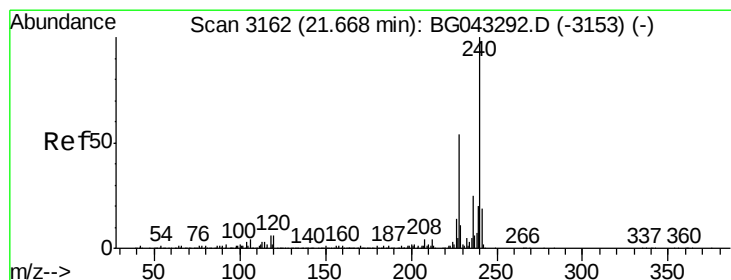
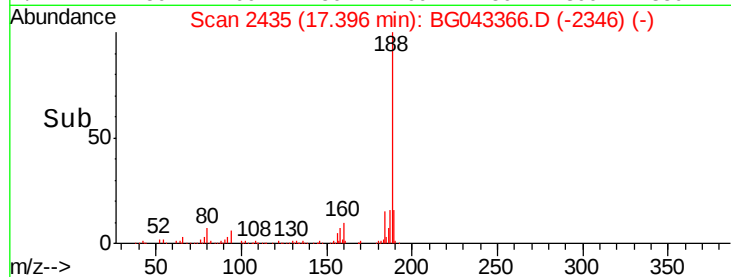
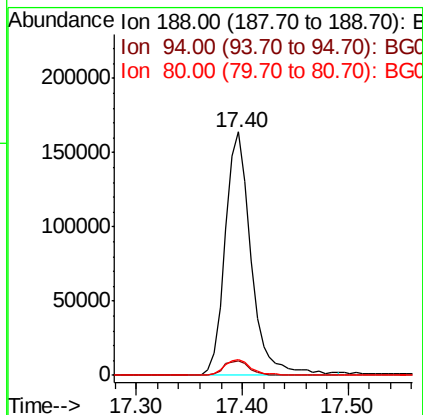
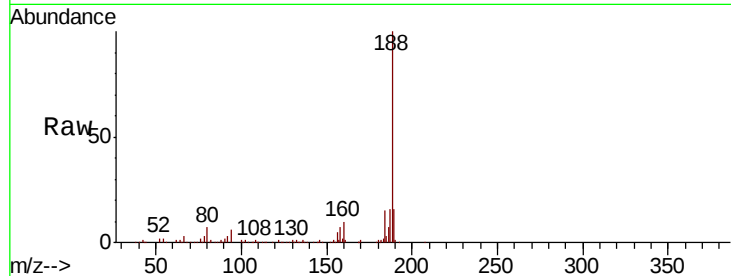




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2435  
Delta R.T. -0.01 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

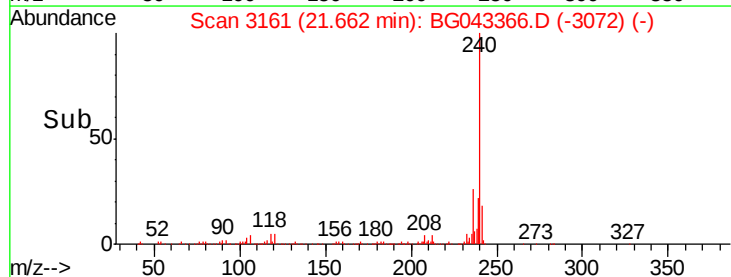
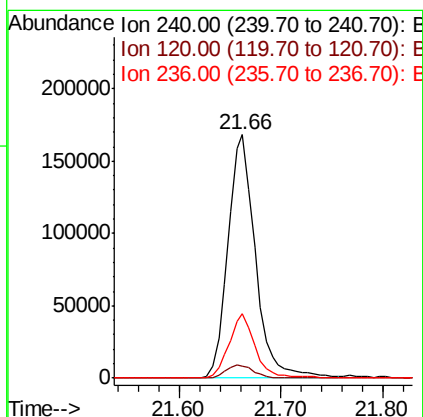
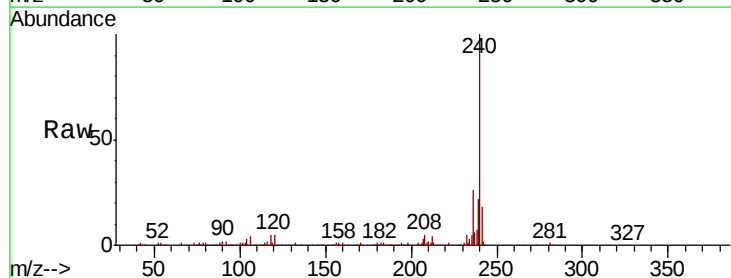
Instrument :  
BNA\_G  
ClientSampleId :  
163-52-(0-1)

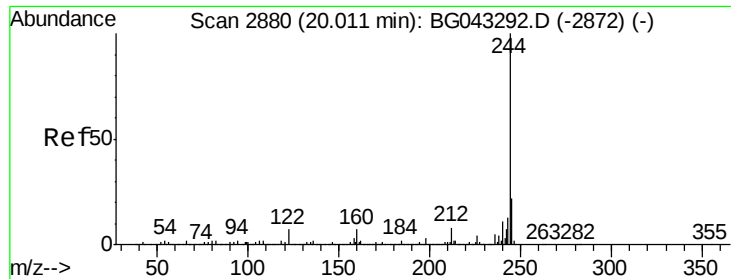
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.8   | 4.2   | 6.2   |
| 80      | 6.6   | 5.2   | 7.8   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.66 min Scan# 3161  
Delta R.T. -0.01 min  
Lab File: BG043366.D  
Acq: 29 Oct 2019 1:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.1   | 4.6   | 7.0   |
| 236     | 26.4  | 20.2  | 30.4  |





#79

Terphenyl-d14

Concen: 71.268 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043366.D

Acq: 29 Oct 2019 1:21

Instrument :

BNA\_G

ClientSampled :

163-52-(0-1)

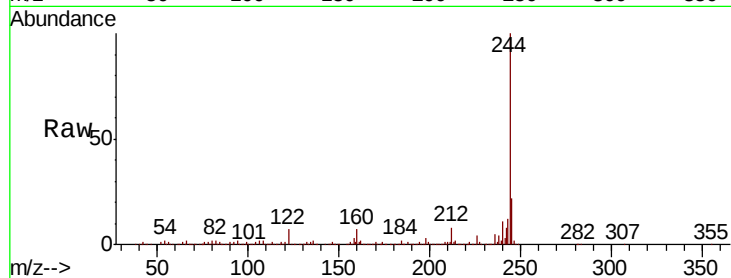
Tot Ion:244 Resp: 1198699

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

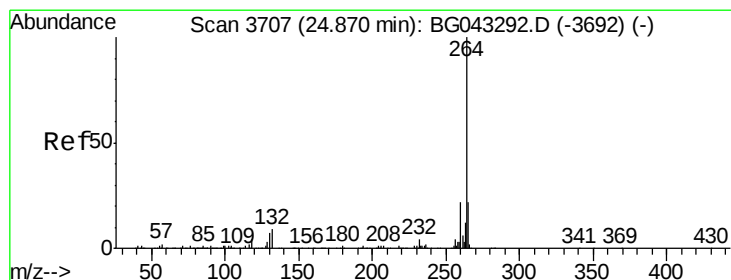
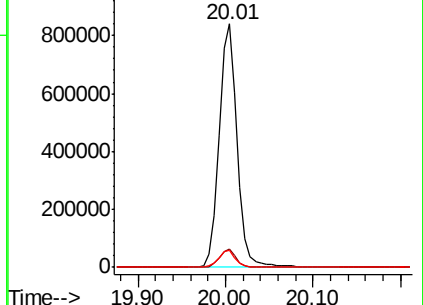
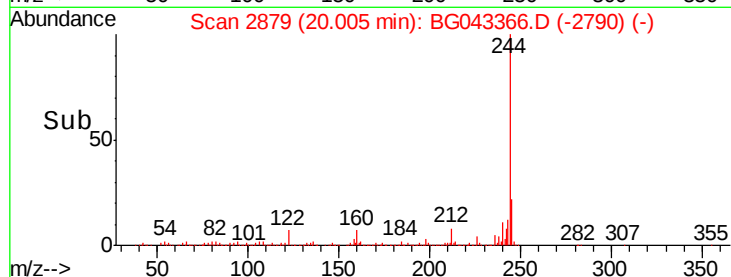
122 6.9 5.3 7.9



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043366.D

Acq: 29 Oct 2019 1:21

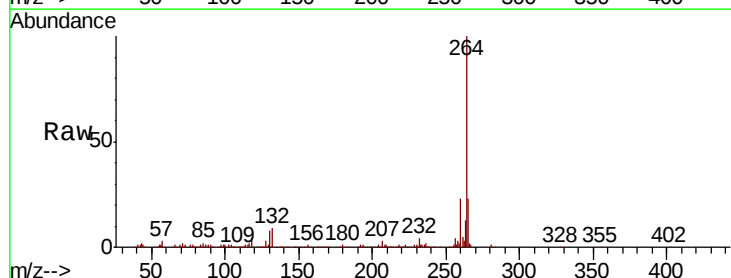
Tgt Ion:264 Resp: 371573

Ion Ratio Lower Upper

264 100

260 23.5 17.9 26.9

265 23.2 17.4 26.2



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

