

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\  
 Data File : BG043517.D  
 Acq On : 5 Nov 2019 21:03  
 Operator : JU  
 Sample : K5662-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 06 00:47:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 04 15:22:15 2019  
 Response via : Initial Calibration

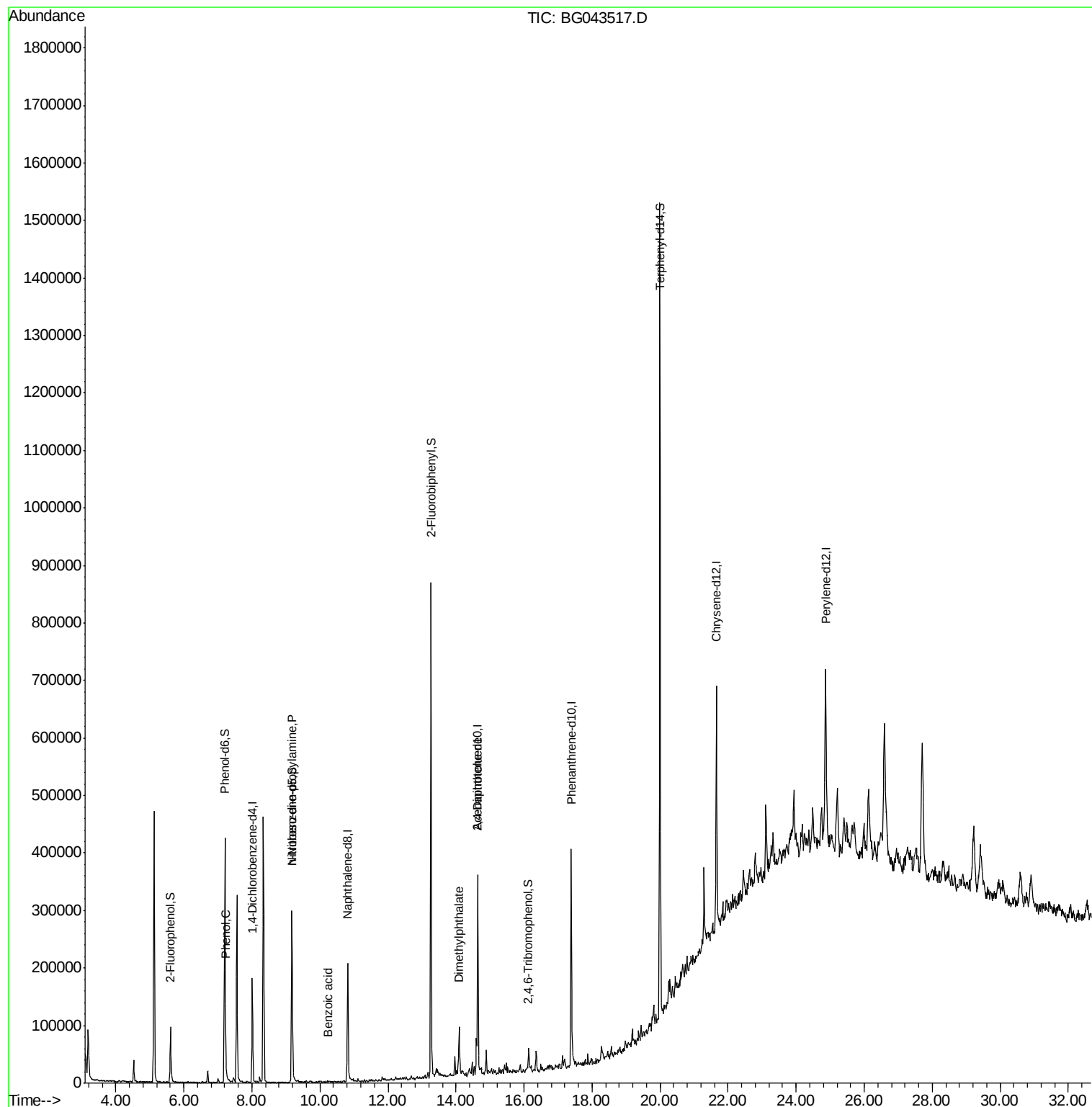
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.01  | 152  | 54801    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.82 | 136  | 199934   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.64 | 164  | 125009   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.39 | 188  | 270843   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.66 | 240  | 279047   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.86 | 264  | 329694   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 51990    | 17.38  | ng    | 0.01     |
| 7) Phenol-d6                   | 7.20  | 99   | 285401   | 66.33  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.18  | 82   | 206107   | 53.15  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.14 | 330  | 10784    | 4.53   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.26 | 172  | 510500   | 56.43  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.00 | 244  | 795618   | 53.49  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.23  | 94   | 10967    | 2.789  | ng    | # 71     |
| 19) n-Nitroso-di-n-propylamine | 9.18  | 70   | 29865    | 10.741 | ng    | # 73     |
| 32) Benzoic acid               | 10.25 | 122  | 59       | 9.073  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.09 | 163  | 58087    | 5.999  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.64 | 165  | 17881    | 5.948  | ng    | # 28     |

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

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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 06 00:47:54 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 04 15:22:15 2019  
Response via : Initial Calibration



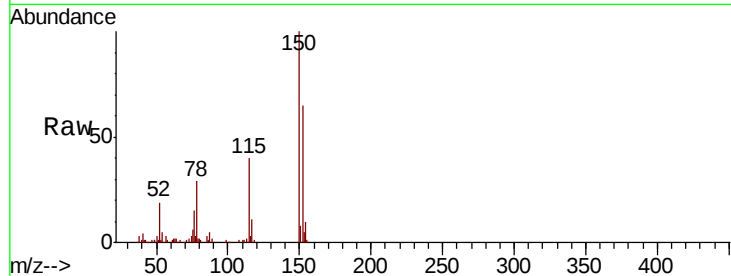


#1

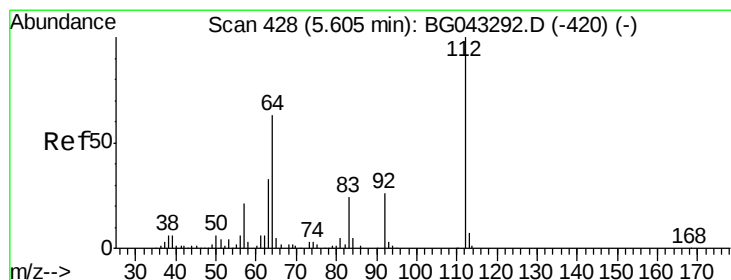
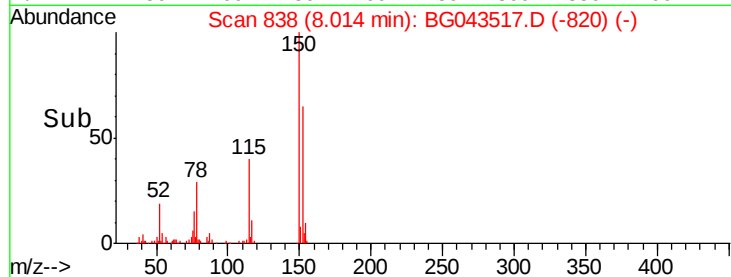
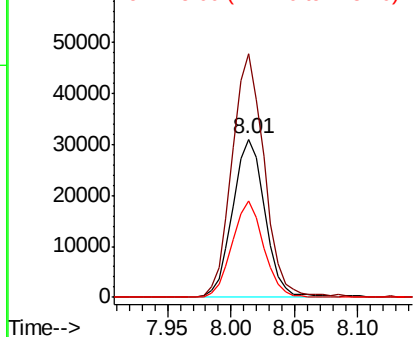
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 838  
Delta R.T. 0.01 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 54801  
Ion Ratio Lower Upper  
152 100  
150 154.1 129.4 194.0  
115 60.9 48.8 73.2



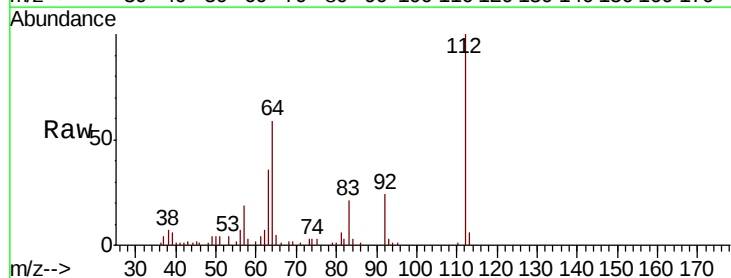
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



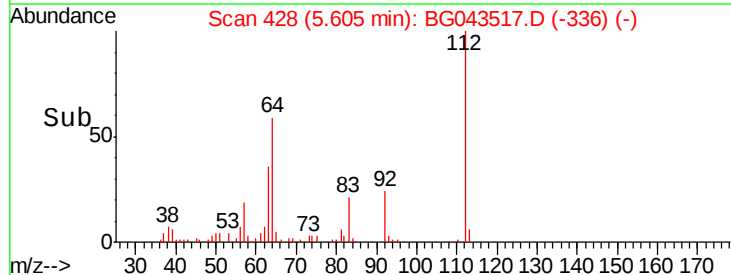
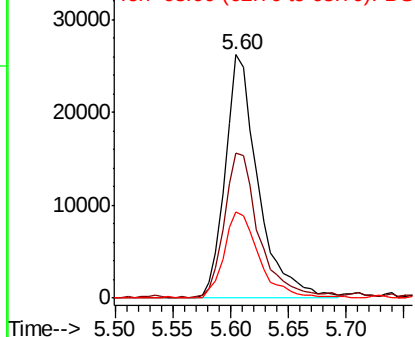
#5

2-Fluorophenol  
Concen: 17.385 ng  
RT: 5.60 min Scan# 428  
Delta R.T. 0.01 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

Tgt Ion:112 Resp: 51990  
Ion Ratio Lower Upper  
112 100  
64 59.4 50.0 75.0  
63 35.5 26.6 40.0



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: 66.330 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG043517.D

Acq: 5 Nov 2019 21:03

Instrument :

BNA\_G

ClientSampleId :

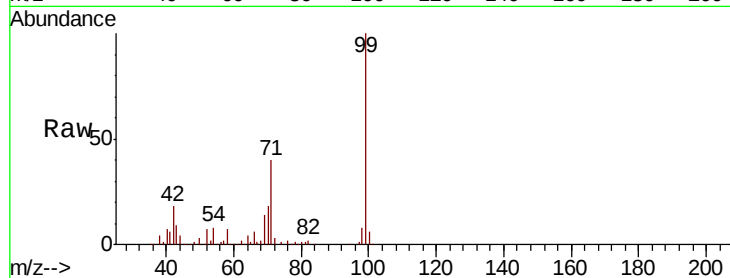
Tot Ion: 99 Resp: 285401

Ion Ratio Lower Upper

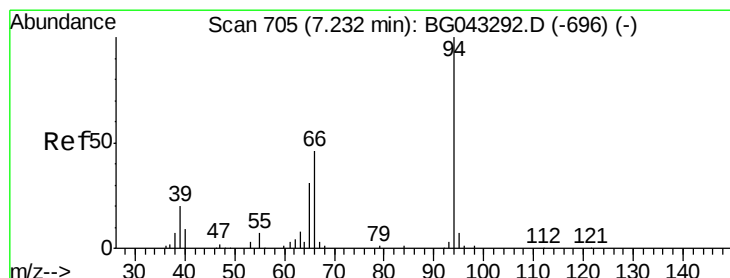
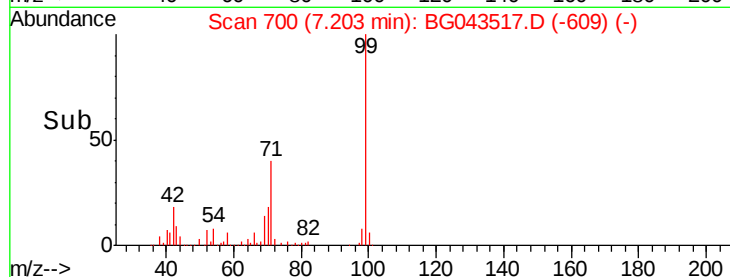
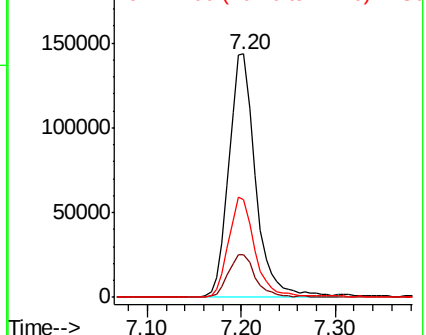
99 100

42 17.6 14.6 21.8

71 40.1 32.5 48.7



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



#10

Phenol

Concen: 2.789 ng

RT: 7.23 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG043517.D

Acq: 5 Nov 2019 21:03

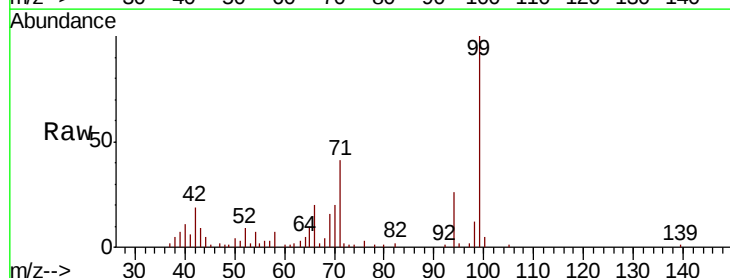
Tgt Ion: 94 Resp: 10967

Ion Ratio Lower Upper

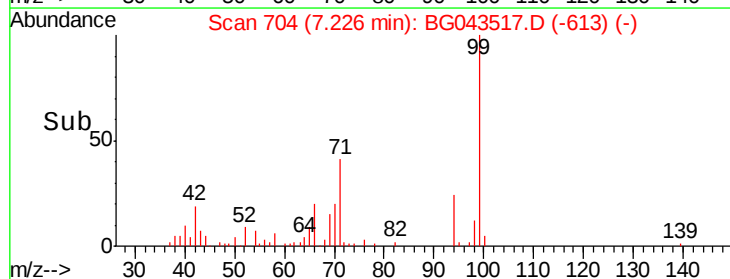
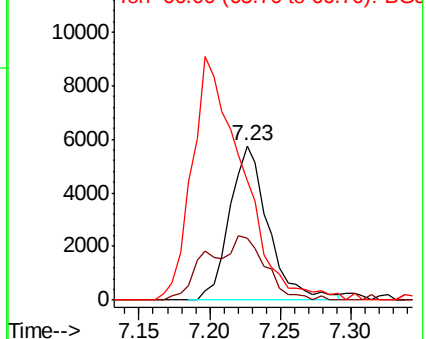
94 100

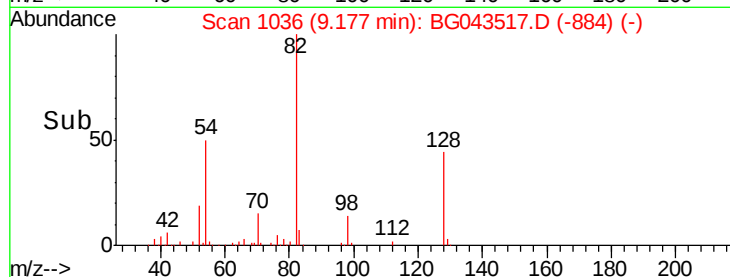
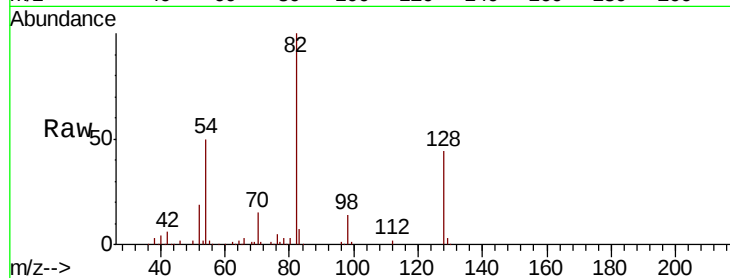
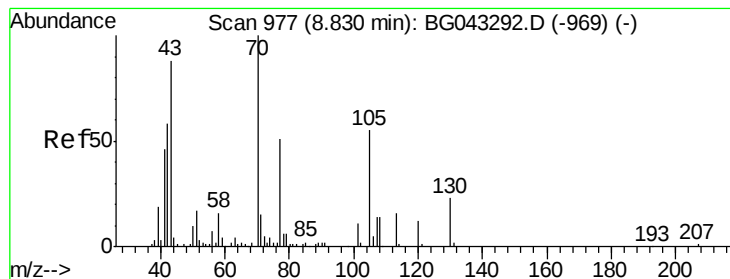
65 40.2 12.6 52.6

66 77.4 30.7 70.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.741 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG043517.D

Acq: 5 Nov 2019 21:03

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 29865

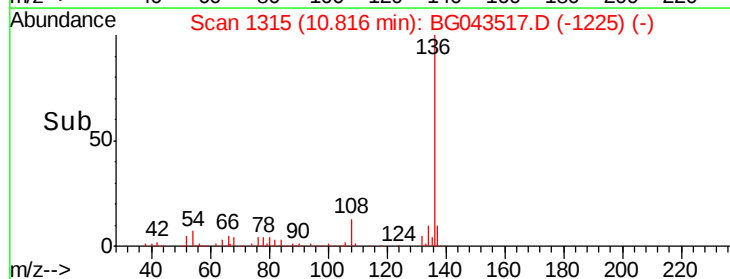
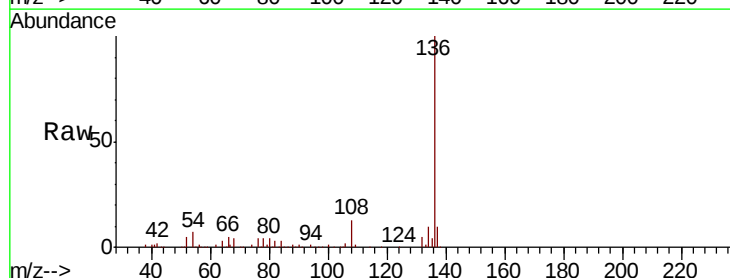
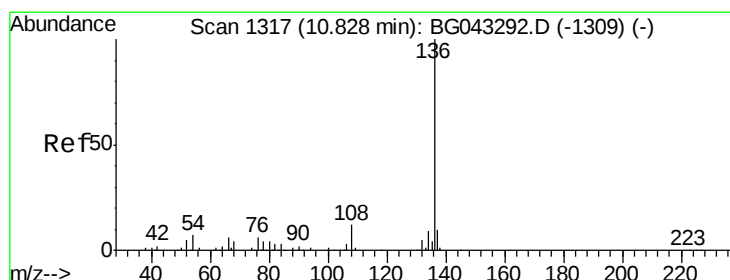
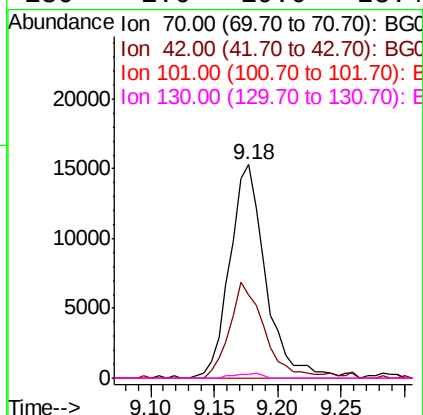
Ion Ratio Lower Upper

70 100

42 39.1 41.4 62.2#

101 0.0 7.9 11.9#

130 1.6 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BG043517.D

Acq: 5 Nov 2019 21:03

Tgt Ion: 136 Resp: 199934

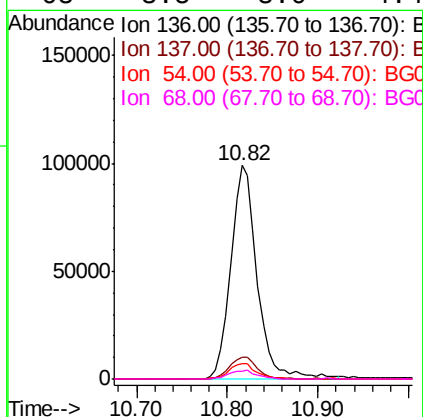
Ion Ratio Lower Upper

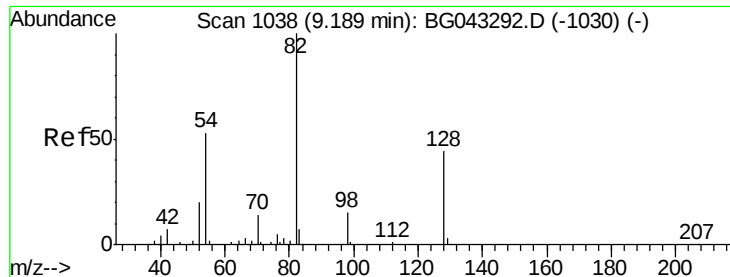
136 100

137 10.4 8.7 13.1

54 7.2 5.4 8.2

68 3.5 3.0 4.4

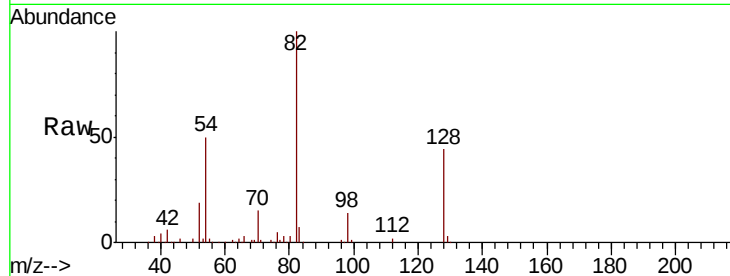




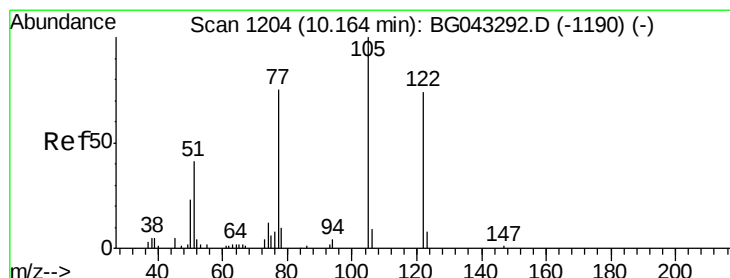
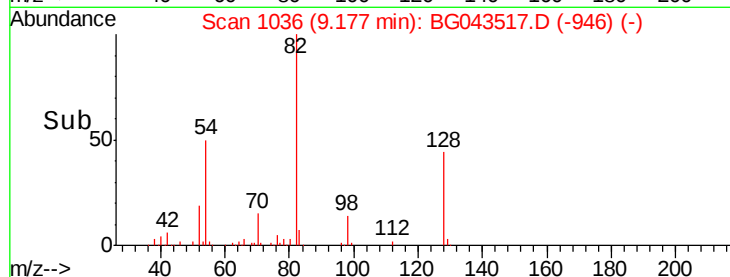
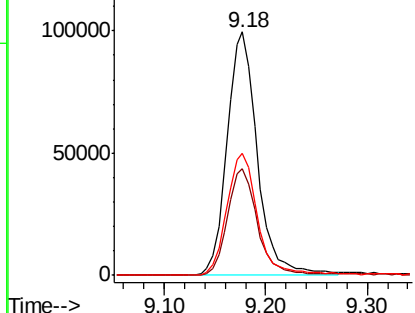
#23  
Nitrobenzene-d5  
Concen: 53.146 ng  
RT: 9.18 min Scan# 1036  
Delta R.T. 0.00 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.9  | 35.0  | 52.6  |
| 54      | 50.1  | 40.2  | 60.2  |

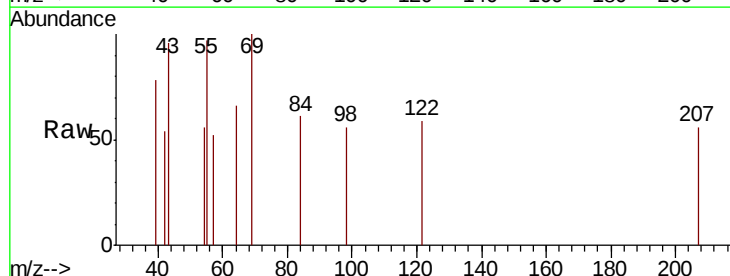


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

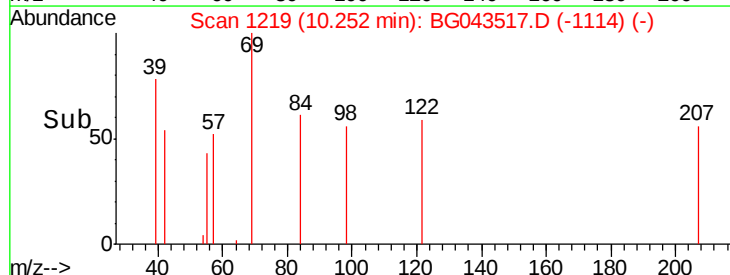
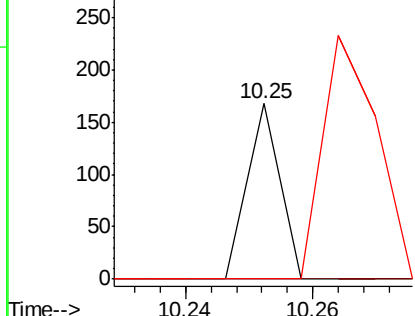


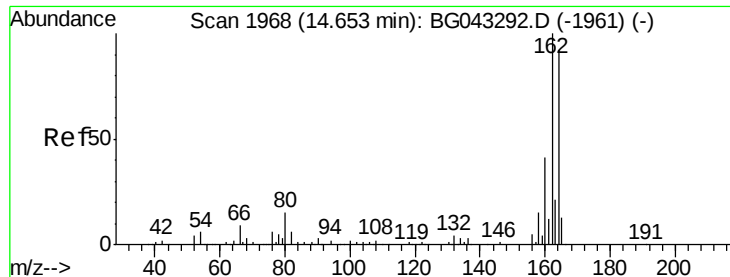
#32  
Benzoic acid  
Concen: 9.073 ng  
RT: 10.25 min Scan# 1219  
Delta R.T. 0.09 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 103.3 | 143.3# |
| 77      | 0.0   | 84.9  | 124.9# |



Abundance Ion 122.00 (121.70 to 122.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BG043517.D

Acq: 5 Nov 2019 21:03

Instrument :

BNA\_G

ClientSampleId :

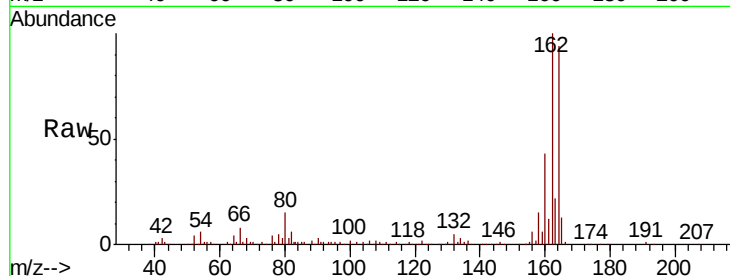
Tot Ion:164 Resp: 125009

Ion Ratio Lower Upper

164 100

162 106.9 83.5 125.3

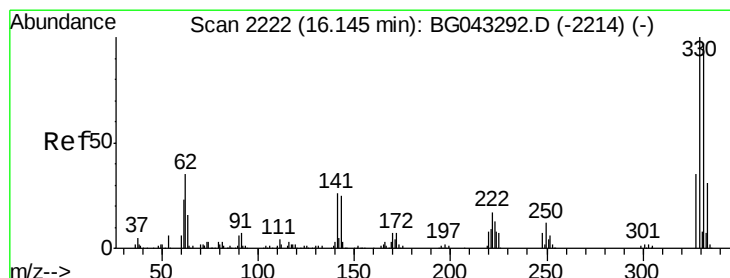
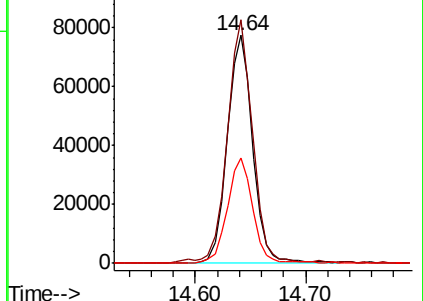
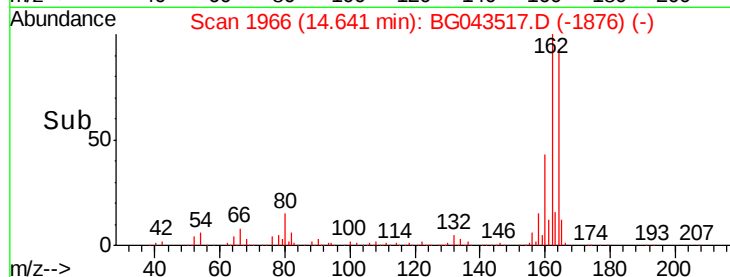
160 46.0 36.5 54.7



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: 4.533 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.01 min

Lab File: BG043517.D

Acq: 5 Nov 2019 21:03

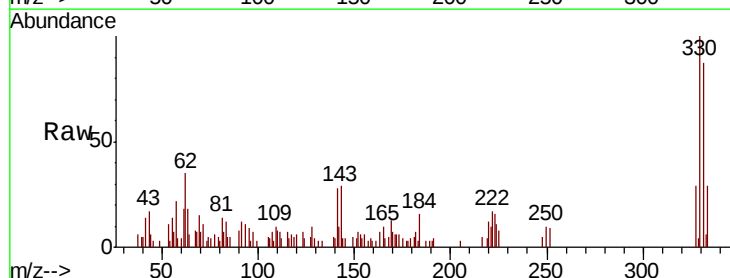
Tgt Ion:330 Resp: 10784

Ion Ratio Lower Upper

330 100

332 94.6 77.4 116.0

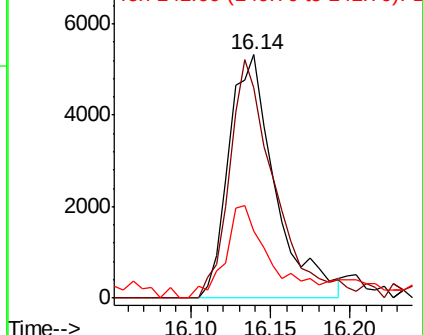
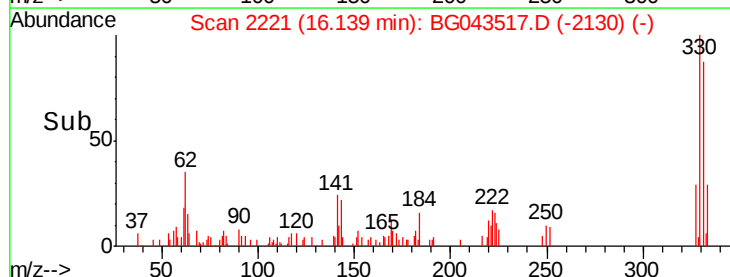
141 36.5 22.8 34.2#

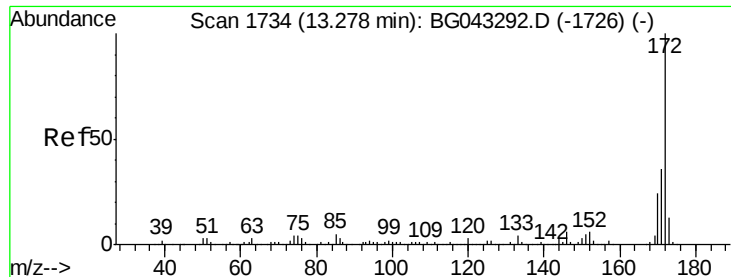


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

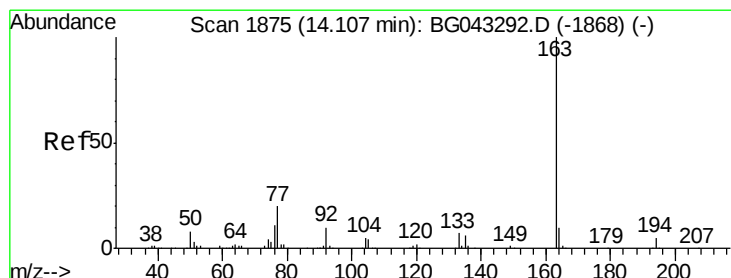
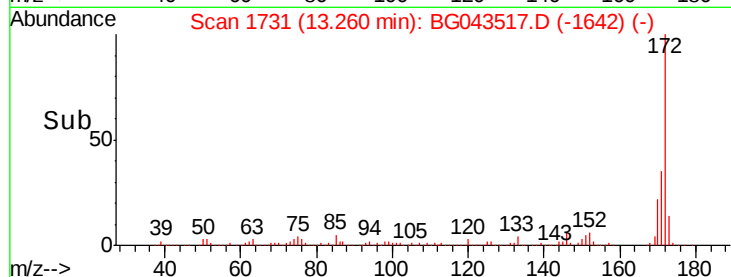
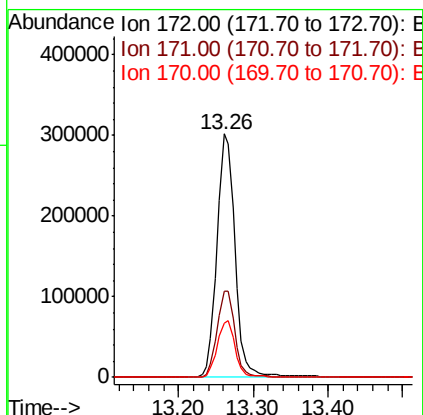
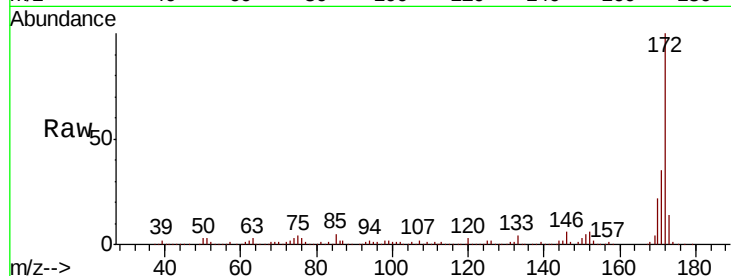




#45  
2-Fluorobiphenyl  
Concen: 56.429 ng  
RT: 13.26 min Scan# 1731  
Delta R.T. -0.01 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

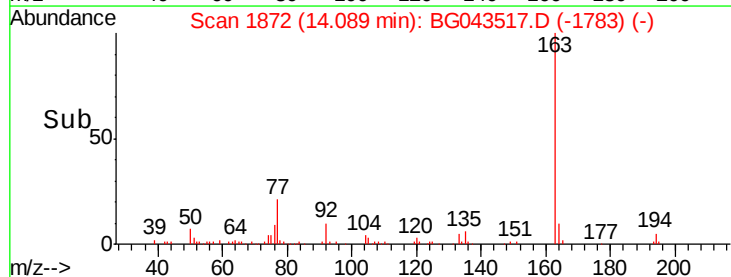
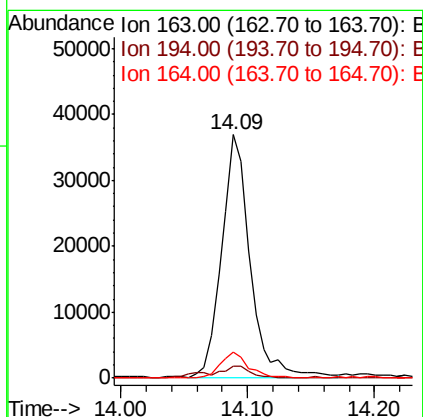
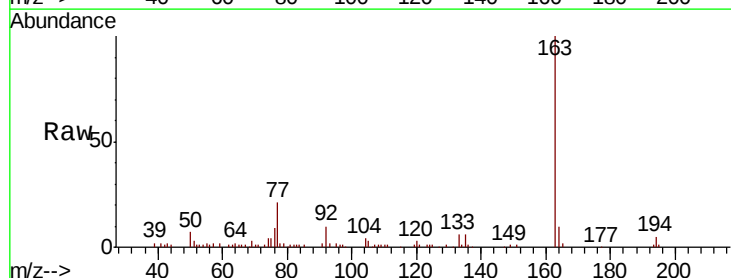
Instrument :  
BNA\_G  
ClientSampleId :

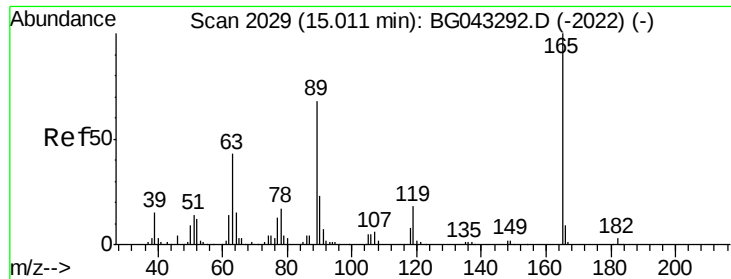
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.9  | 43.3  |
| 170     | 22.2  | 18.5  | 27.7  |



#50  
Dimethylphthalate  
Concen: 5.999 ng  
RT: 14.09 min Scan# 1872  
Delta R.T. -0.01 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.1   | 3.8   | 5.6   |
| 164     | 10.5  | 8.9   | 13.3  |

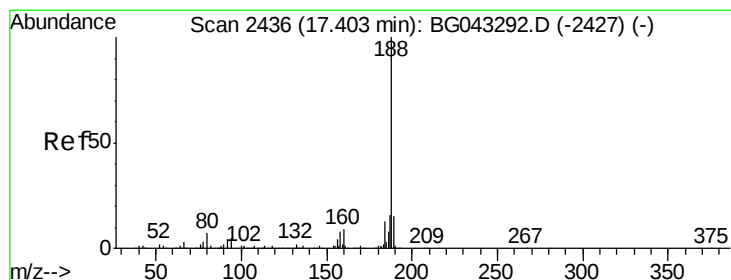
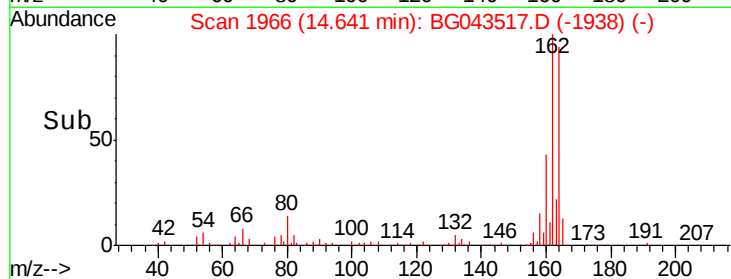
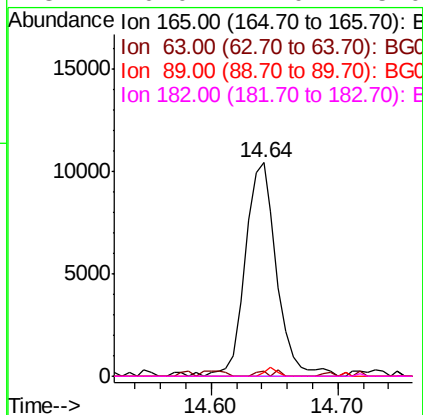
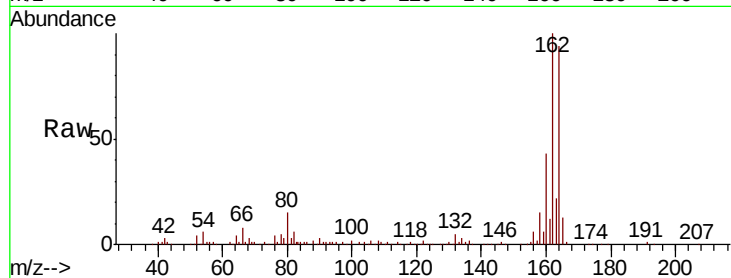




#57  
 2,4-Dinitrotoluene  
 Concen: 5.948 ng  
 RT: 14.64 min Scan# 1966  
 Delta R.T. -0.36 min  
 Lab File: BG043517.D  
 Acq: 5 Nov 2019 21:03

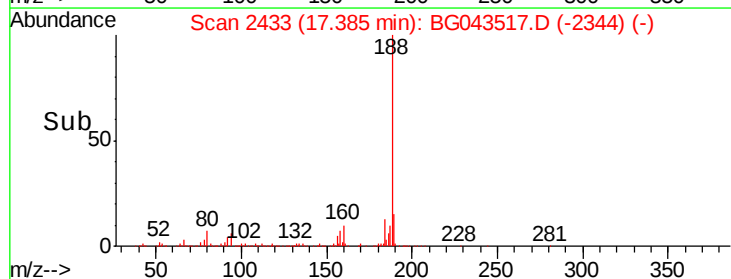
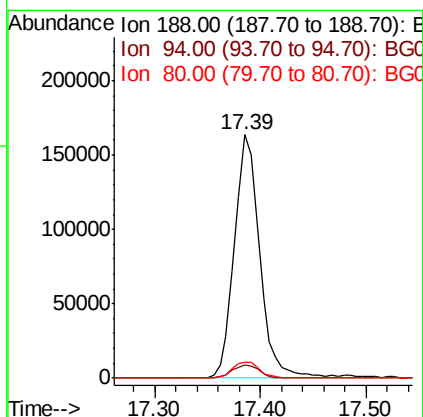
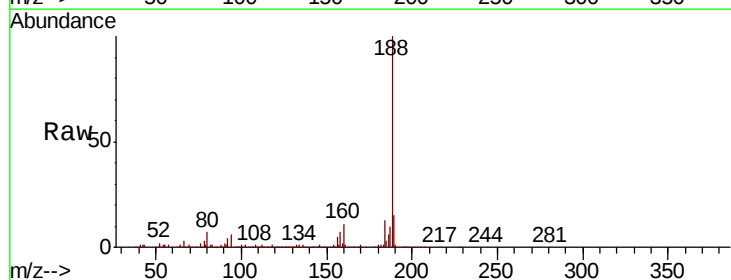
Instrument :  
 BNA\_G  
 ClientSampleId :

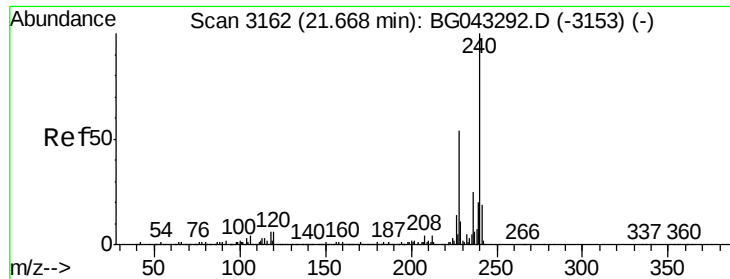
|             |             |
|-------------|-------------|
| Tot Ion:165 | Resp: 17881 |
| Ion Ratio   | Lower Upper |
| 165 100     |             |
| 63 2.5      | 33.2 49.8#  |
| 89 1.6      | 52.2 78.4#  |
| 182 0.0     | 2.0 3.0#    |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.39 min Scan# 2433  
 Delta R.T. -0.01 min  
 Lab File: BG043517.D  
 Acq: 5 Nov 2019 21:03

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:188 | Resp: | 270843 |
| Ion | Ratio   | Lower | Upper  |
| 188 | 100     |       |        |
| 94  | 5.7     | 4.2   | 6.4    |
| 80  | 6.6     | 4.5   | 6.7    |

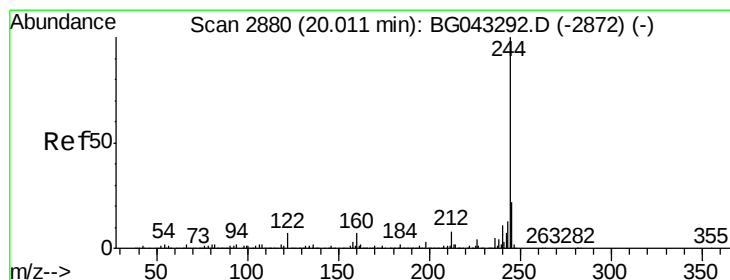
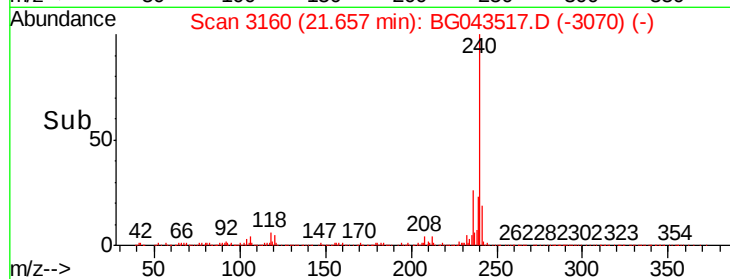
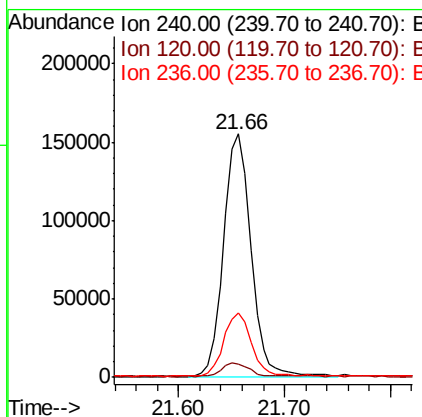
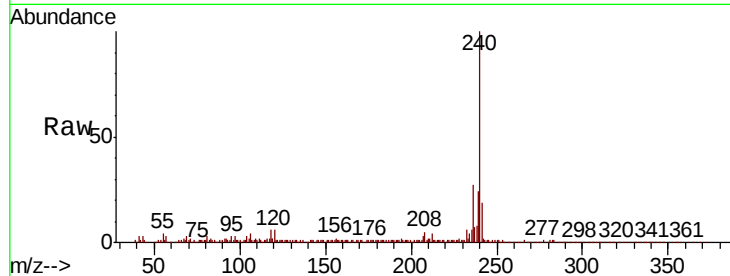




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.66 min Scan# 3160  
Delta R.T. 0.00 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

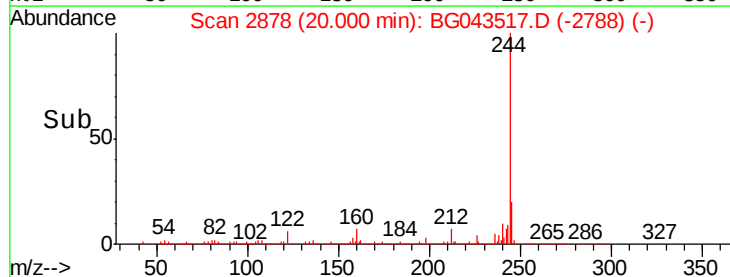
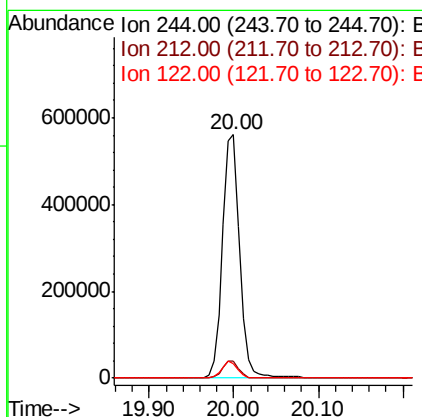
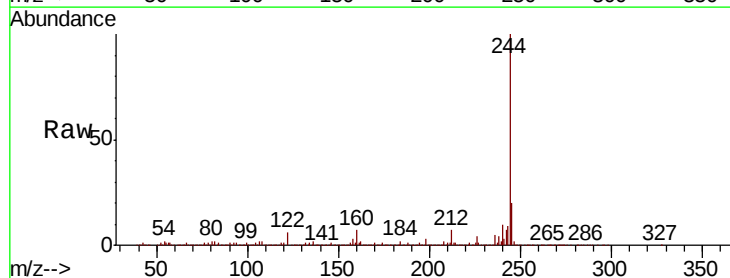
Instrument :  
BNA\_G  
ClientSampleId :

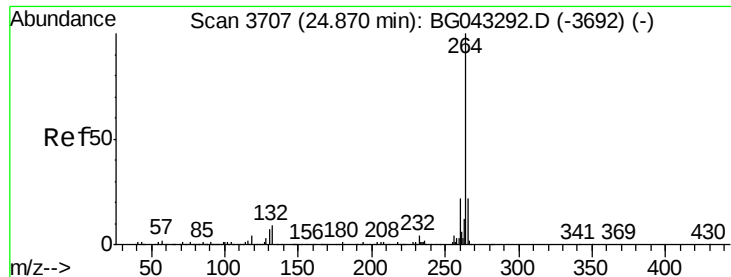
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.6   | 4.6   | 6.8   |
| 236     | 26.6  | 19.8  | 29.8  |



#79  
Terphenyl-d14  
Concen: 53.490 ng  
RT: 20.00 min Scan# 2878  
Delta R.T. 0.00 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.8   | 8.6   |
| 122     | 6.2   | 5.4   | 8.2   |

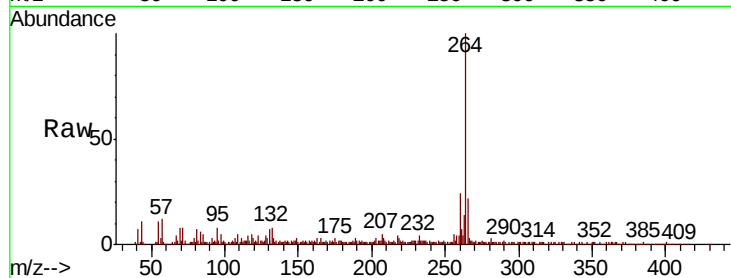




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.86 min Scan# 3706  
Delta R.T. 0.01 min  
Lab File: BG043517.D  
Acq: 5 Nov 2019 21:03

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 17.5  | 26.3  |
| 265     | 22.4  | 17.4  | 26.0  |



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

