

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\  
 Data File : BG043356.D  
 Acq On : 28 Oct 2019 18:56  
 Operator : JU  
 Sample : PB124258BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 29 13:18:28 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

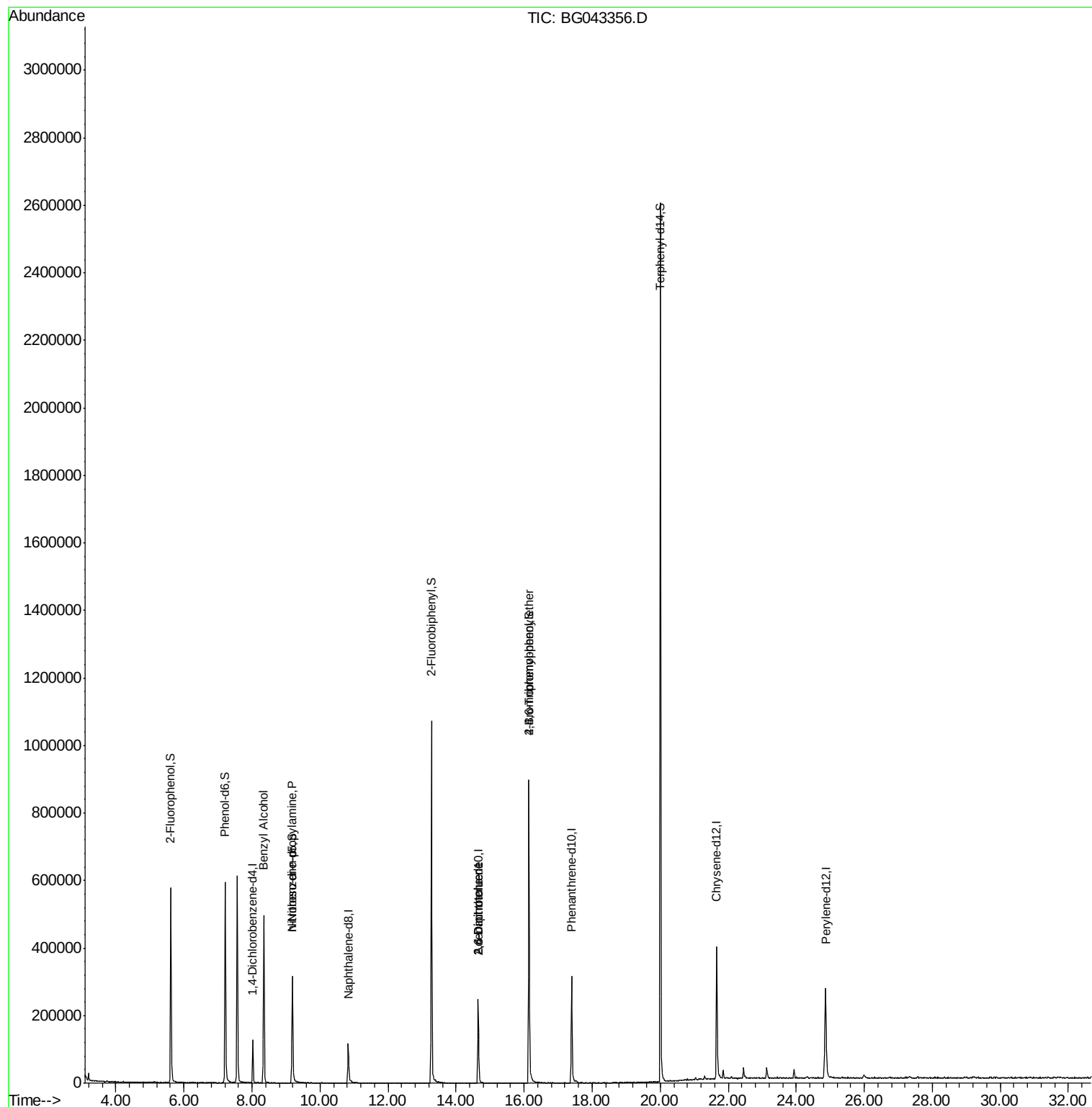
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.02  | 152  | 37895    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.83 | 136  | 126314   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.65 | 164  | 101847   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.39 | 188  | 250596   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.66 | 240  | 292673   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.86 | 264  | 339234   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 269531   | 130.33 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 372409   | 125.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 222232   | 90.70  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.14 | 330  | 236922   | 122.24 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.28 | 172  | 632260   | 85.78  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.00 | 244  | 1398845  | 89.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 8.35  | 79   | 4722     | 2.260  | ng    | # 63     |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 28977    | 15.072 | ng    | # 77     |
| 51) 2,6-Dinitrotoluene         | 14.65 | 165  | 13028    | 7.602  | ng    | # 24     |
| 57) 2,4-Dinitrotoluene         | 14.65 | 165  | 13028    | 5.319  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 16.14 | 248  | 14590    | 4.326  | ng    | # 1      |

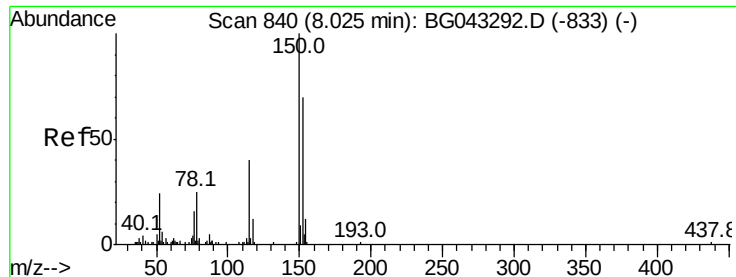
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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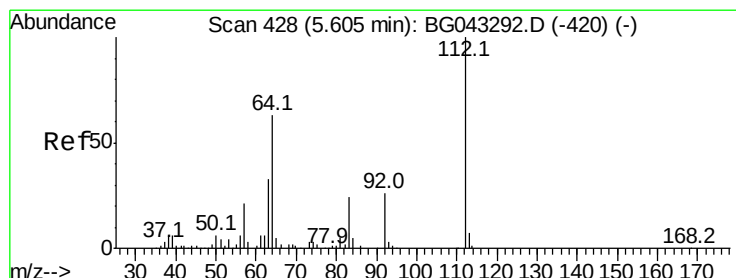
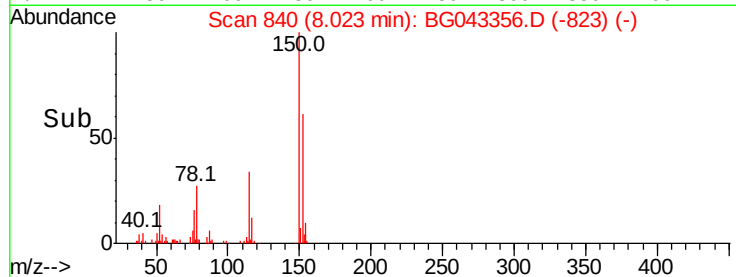
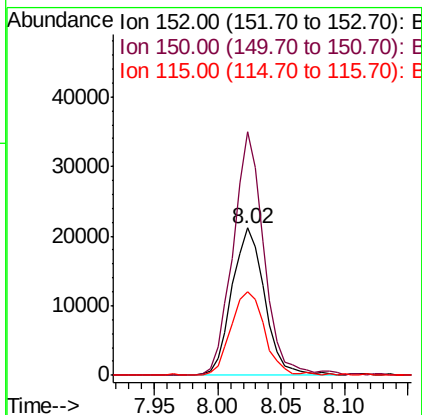
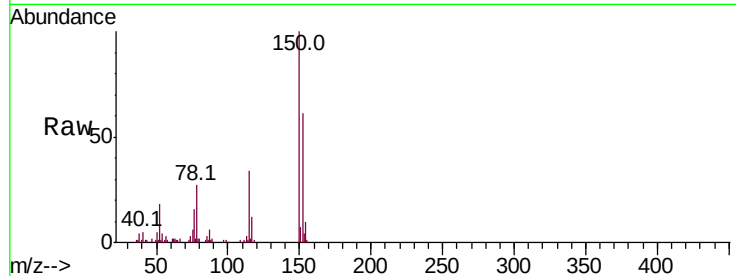


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043356.D  
Acq: 28 Oct 2019 18:56

Instrument :  
BNA\_G  
ClientSampleId :

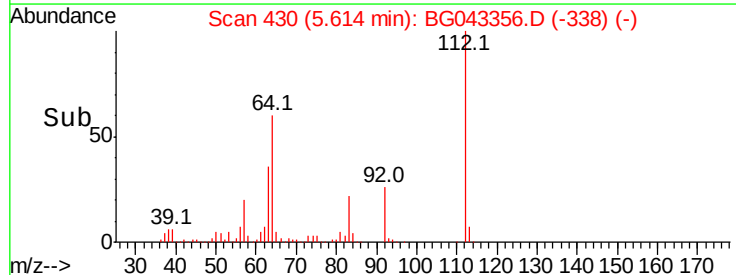
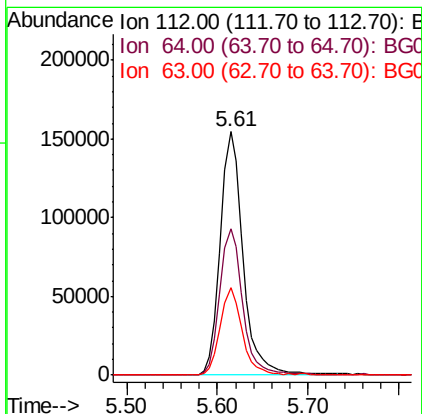
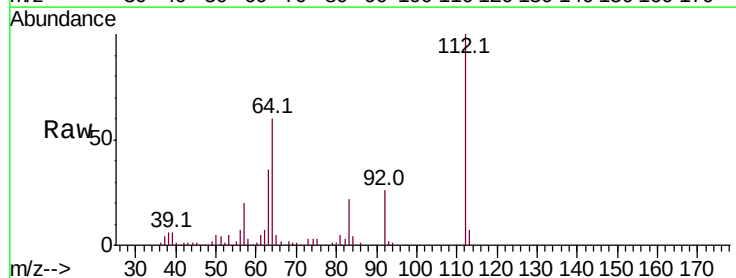
Tot Ion:152 Resp: 37895  
Ion Ratio Lower Upper  
152 100  
150 165.0 113.6 170.4  
115 56.4 45.9 68.9

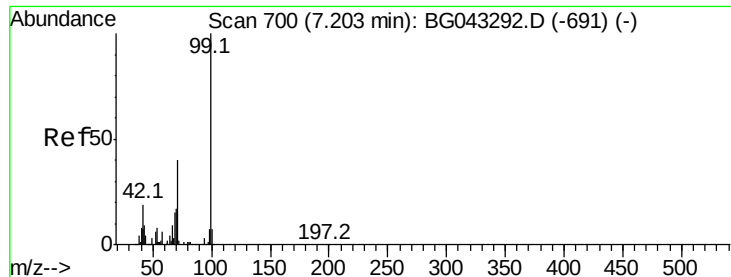


#5

2-Fluorophenol  
Concen: 130.334 ng  
RT: 5.61 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: BG043356.D  
Acq: 28 Oct 2019 18:56

Tgt Ion:112 Resp: 269531  
Ion Ratio Lower Upper  
112 100  
64 59.8 50.2 75.2  
63 36.1 26.7 40.1





#7

Phenol-d6

Concen: 125.164 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

Instrument :

BNA\_G

ClientSampled :

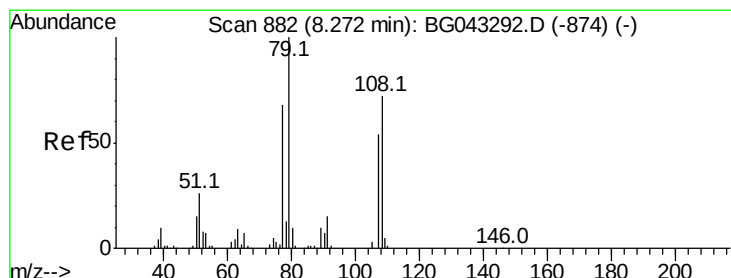
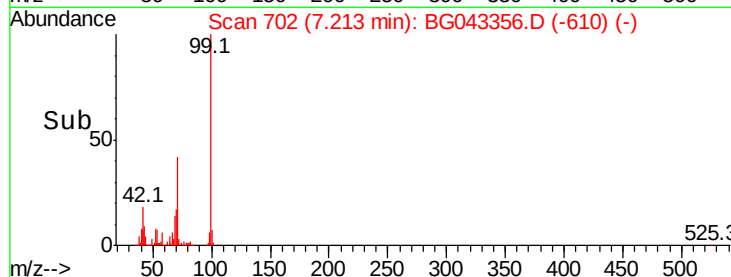
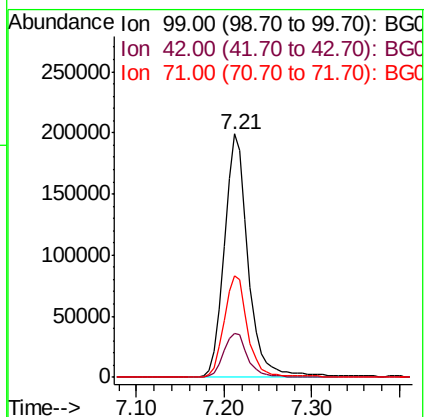
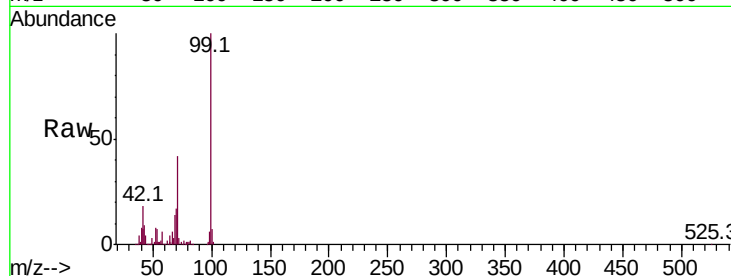
Tot Ion: 99 Resp: 372409

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

71 41.6 32.2 48.2



#15

Benzyl Alcohol

Concen: 2.260 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

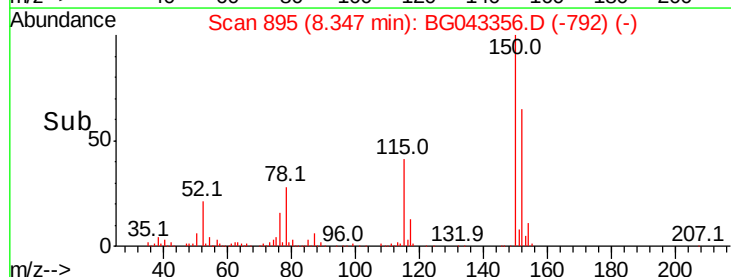
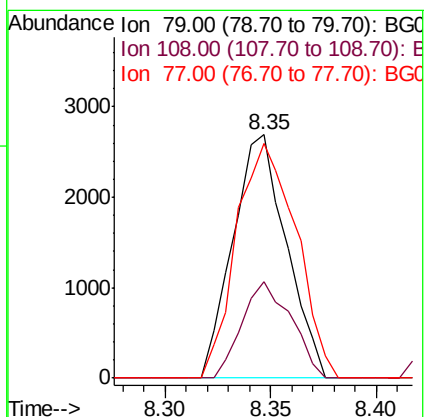
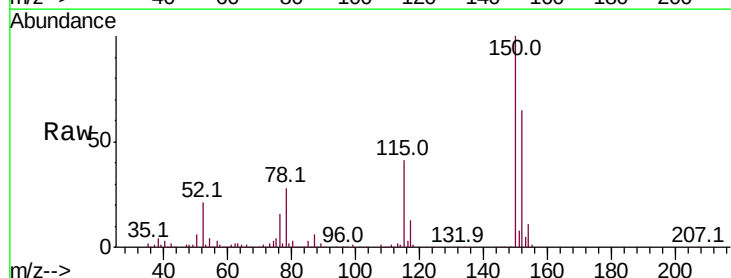
Tgt Ion: 79 Resp: 4722

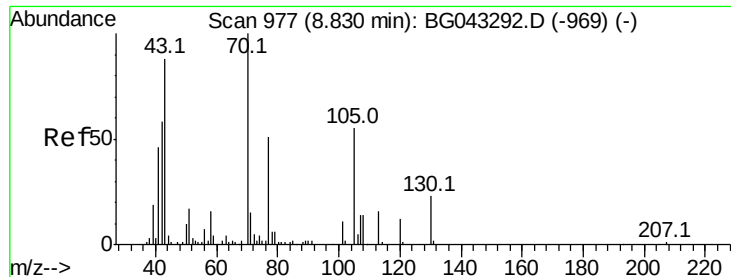
Ion Ratio Lower Upper

79 100

108 39.5 57.3 85.9#

77 96.4 54.6 81.8#





#19

n-Nitroso-di-n-propylamine

Concen: 15.072 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

Instrument :

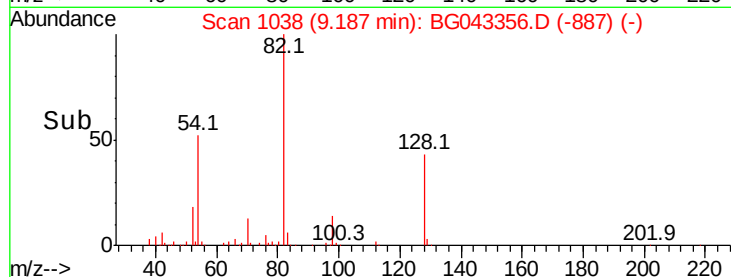
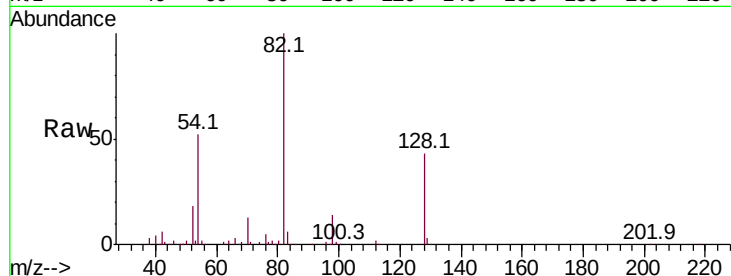
BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 28977

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 70  | 100  |      |       |
| 42  | 48.2 | 46.2 | 69.2  |
| 101 | 0.0  | 8.6  | 13.0# |
| 130 | 1.8  | 18.6 | 27.8# |

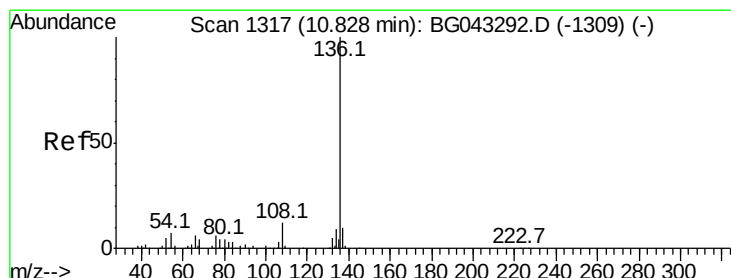
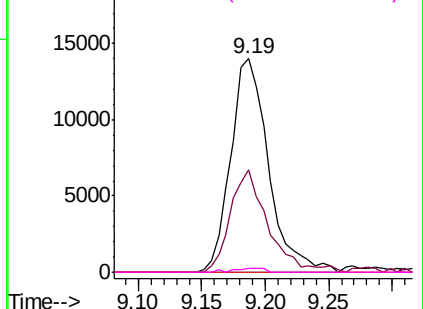


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

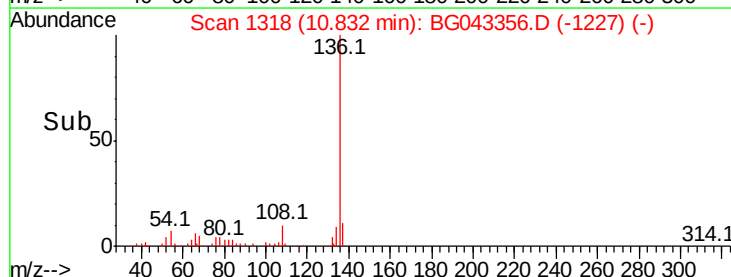
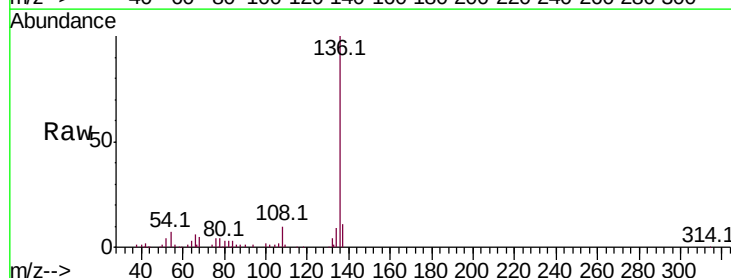
Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

Tgt Ion: 136 Resp: 126314

Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 136 | 100  |     |      |
| 137 | 10.7 | 8.2 | 12.2 |
| 54  | 7.5  | 5.4 | 8.2  |
| 68  | 4.6  | 3.3 | 4.9  |

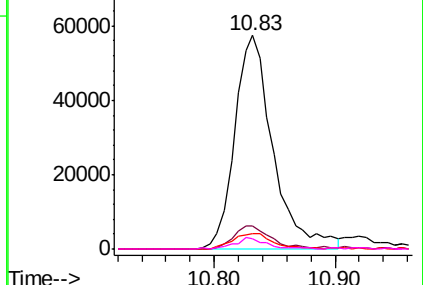


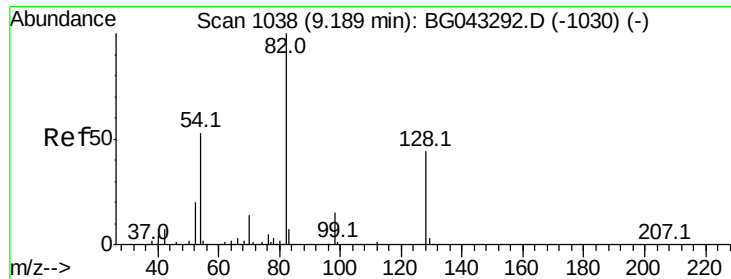
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

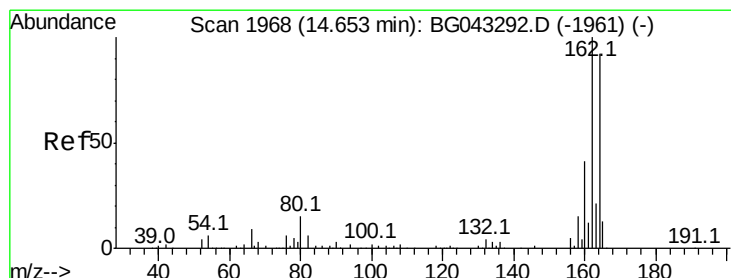
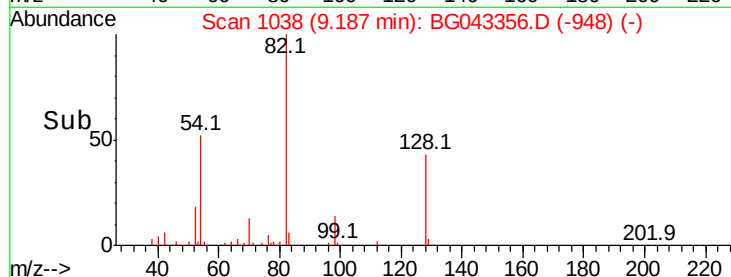
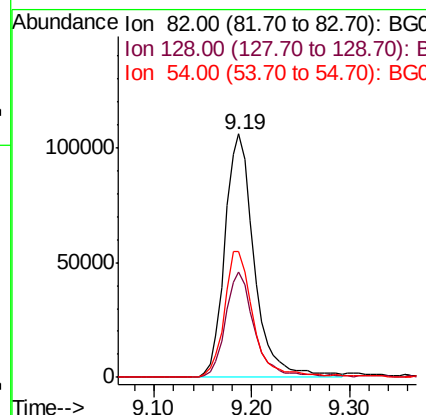
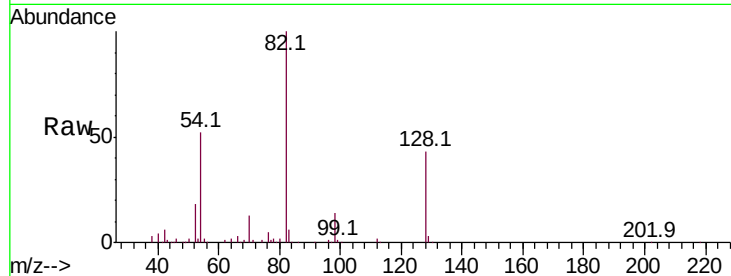




#23  
 Nitrobenzene-d5  
 Concen: 90.703 ng  
 RT: 9.19 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: BG043356.D  
 Acq: 28 Oct 2019 18:56

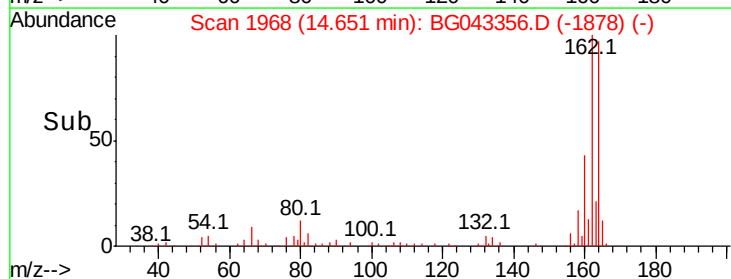
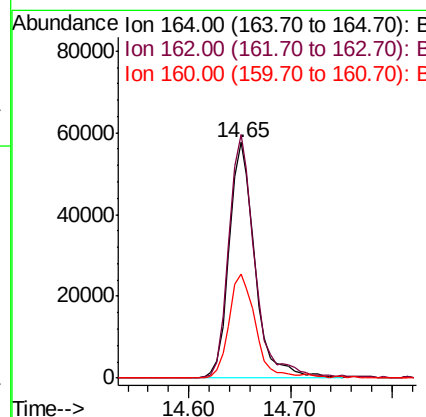
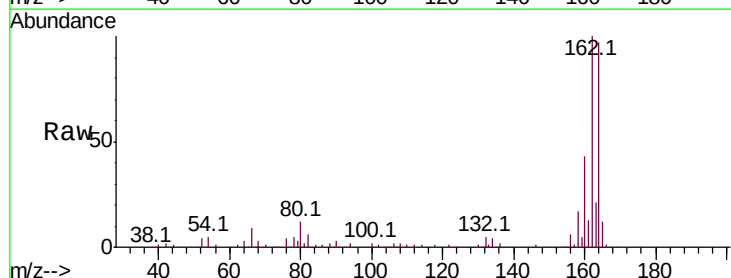
Instrument :  
 BNA\_G  
 ClientSampled :

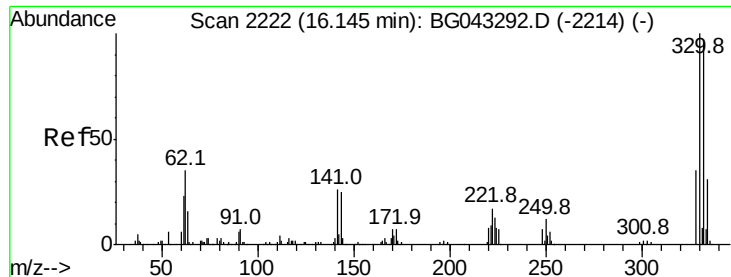
| Tot Ion   | 82    | Resp  | 22232 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 43.1  | 35.3  | 52.9  |
| 54        | 51.6  | 42.3  | 63.5  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: BG043356.D  
 Acq: 28 Oct 2019 18:56

| Tgt Ion   | 164   | Resp  | 101847 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.2 | 87.0  | 130.4  |
| 160       | 44.3  | 35.5  | 53.3   |

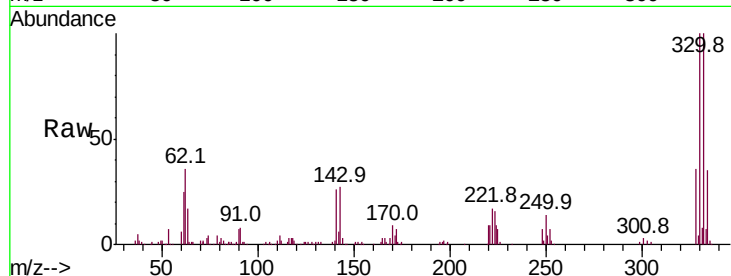




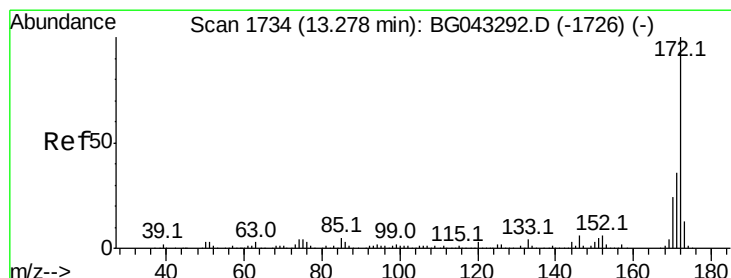
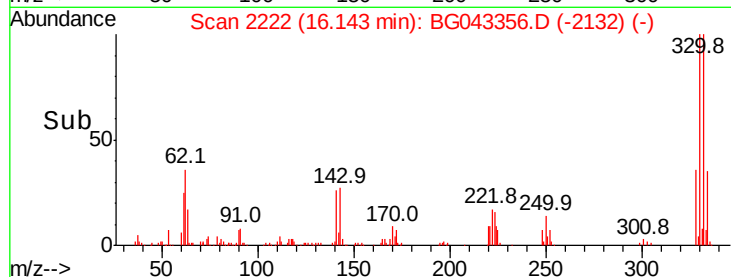
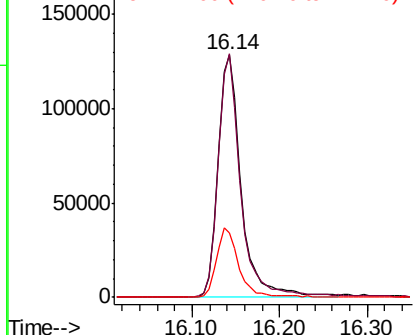
#42  
 2,4,6-Tribromophenol  
 Concen: 122.241 ng  
 RT: 16.14 min Scan# 2222  
 Delta R.T. -0.00 min  
 Lab File: BG043356.D  
 Acq: 28 Oct 2019 18:56

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 76.4  | 114.6 |
| 141     | 27.8  | 21.4  | 32.0  |

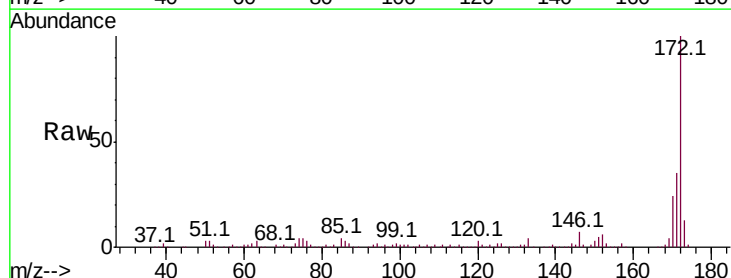


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

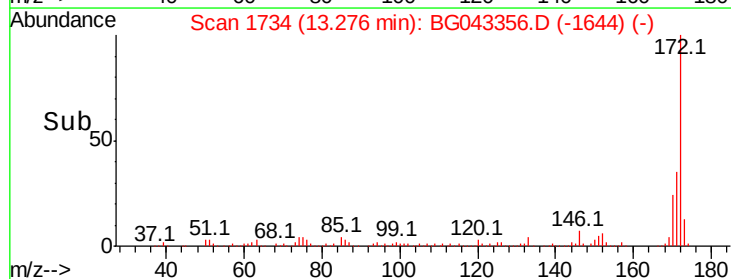
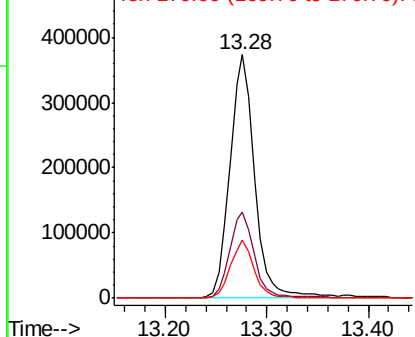


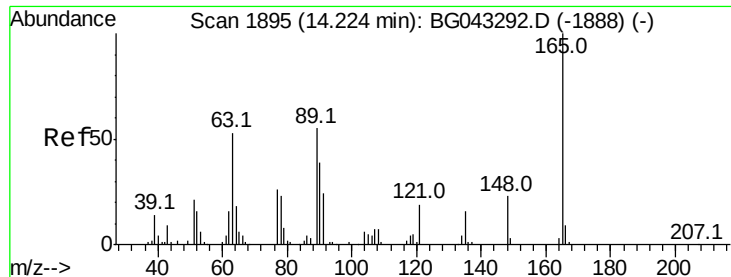
#45  
 2-Fluorobiphenyl  
 Concen: 85.782 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG043356.D  
 Acq: 28 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 28.5  | 42.7  |
| 170     | 23.8  | 18.8  | 28.2  |



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

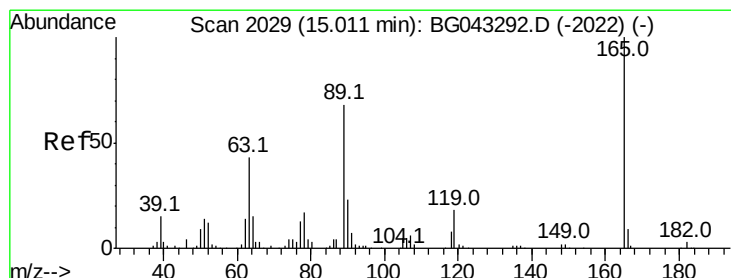
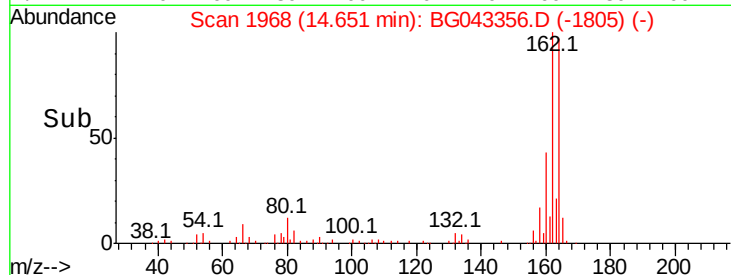
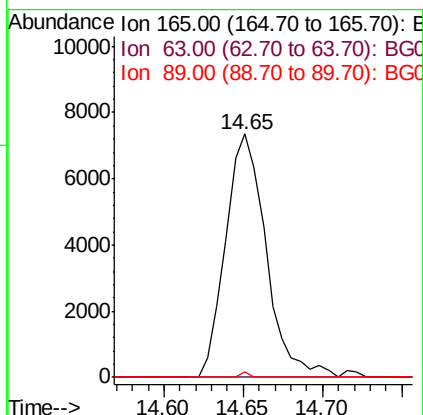
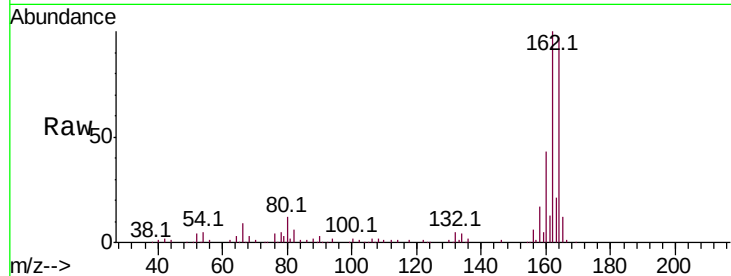




#51  
 2,6-Dinitrotoluene  
 Concen: 7.602 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. 0.43 min  
 Lab File: BG043356.D  
 Acq: 28 Oct 2019 18:56

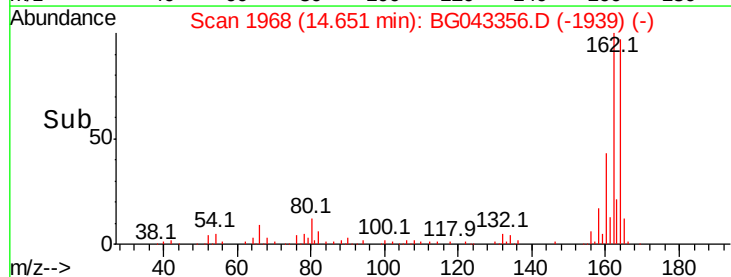
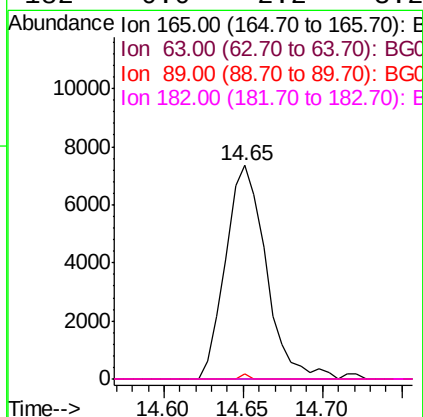
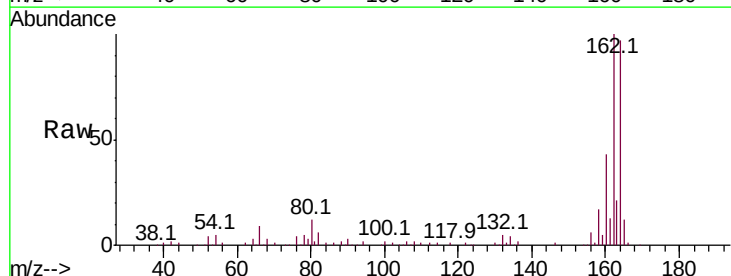
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 47.1  | 70.7# |
| 89      | 2.1   | 43.7  | 65.5# |

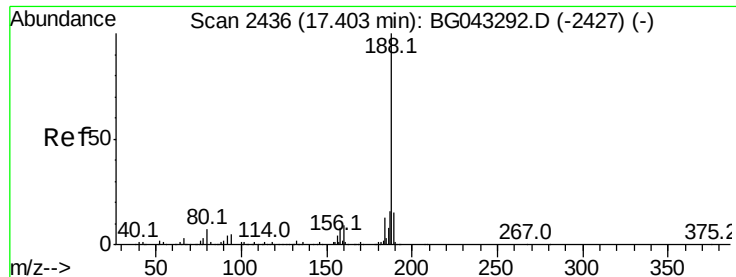


#57  
 2,4-Dinitrotoluene  
 Concen: 5.319 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.36 min  
 Lab File: BG043356.D  
 Acq: 28 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 35.0  | 52.6# |
| 89      | 2.1   | 54.1  | 81.1# |
| 182     | 0.0   | 2.2   | 3.2#  |







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

Instrument :

BNA\_G

ClientSampleId :

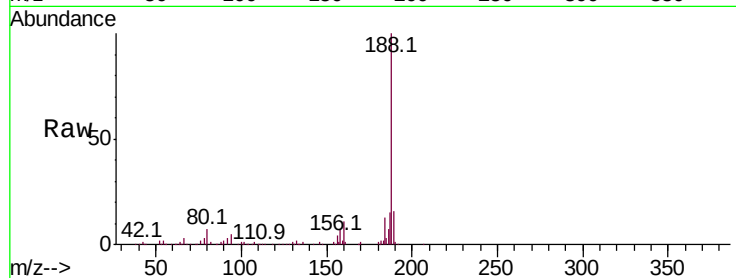
Tot Ion:188 Resp: 250596

Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.2

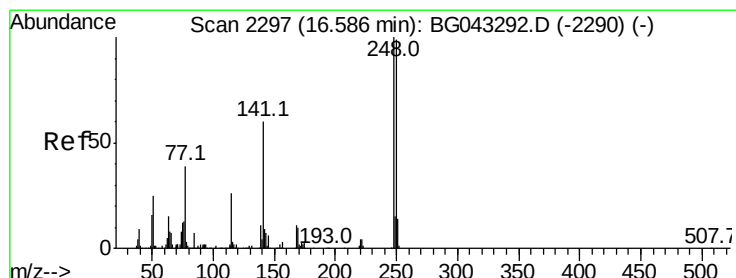
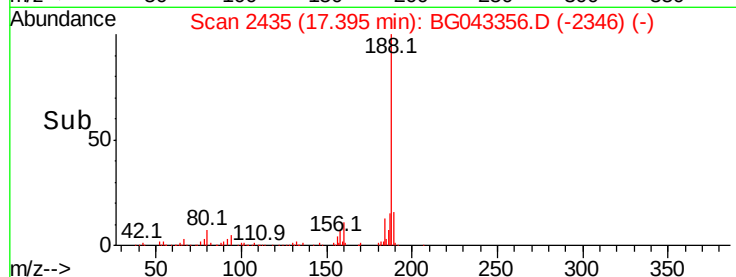
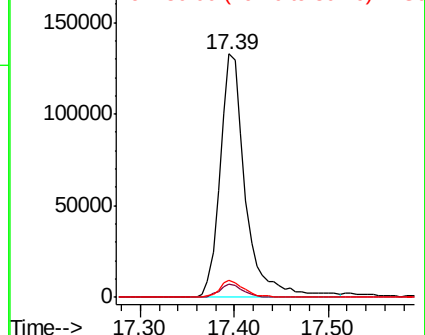
80 7.1 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 4.326 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

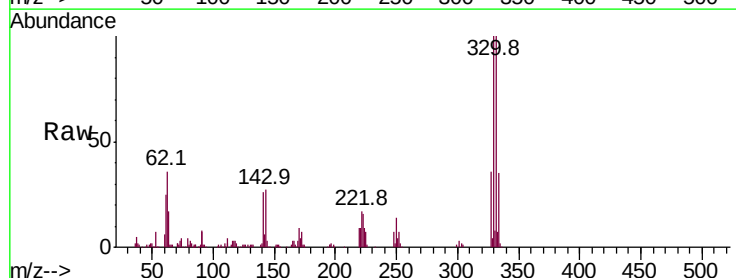
Tgt Ion:248 Resp: 14590

Ion Ratio Lower Upper

248 100

250 203.3 79.3 118.9#

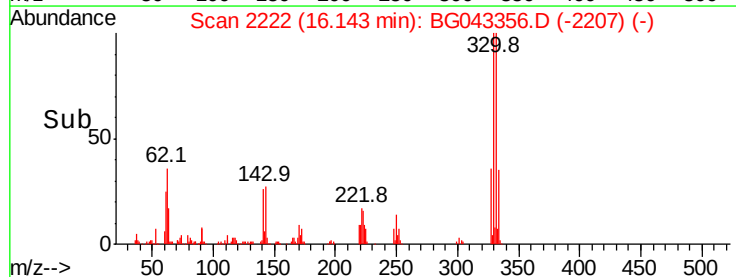
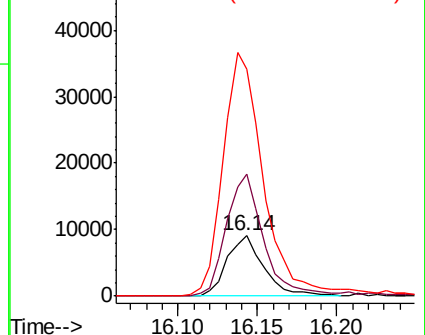
141 378.4 47.9 71.9#

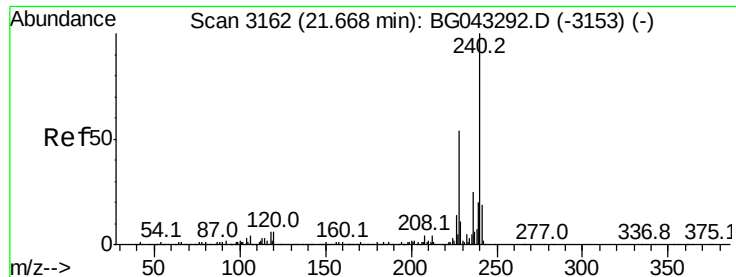


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

Instrument :

BNA\_G

ClientSampleId :

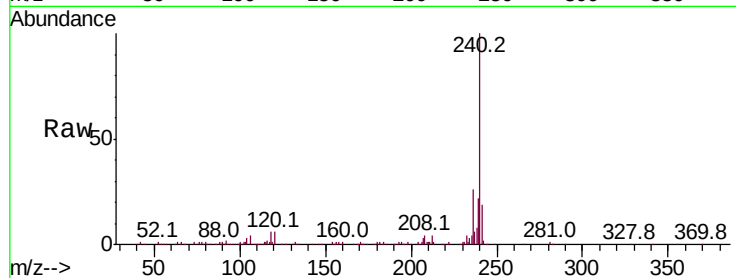
Tot Ion:240 Resp: 292673

Ion Ratio Lower Upper

240 100

120 5.6 4.6 7.0

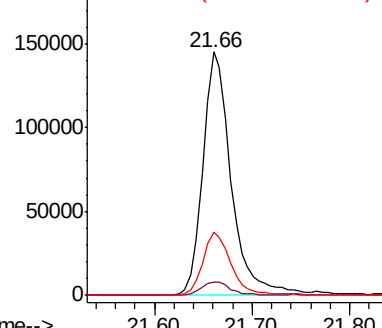
236 25.9 20.2 30.4



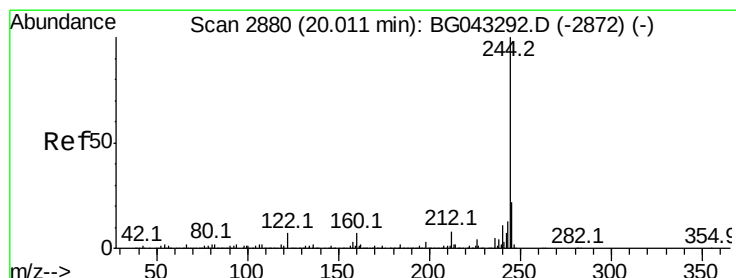
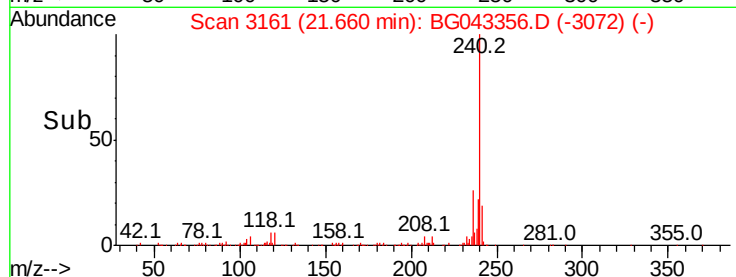
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#79

Terphenyl-d14

Concen: 89.667 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043356.D

Acq: 28 Oct 2019 18:56

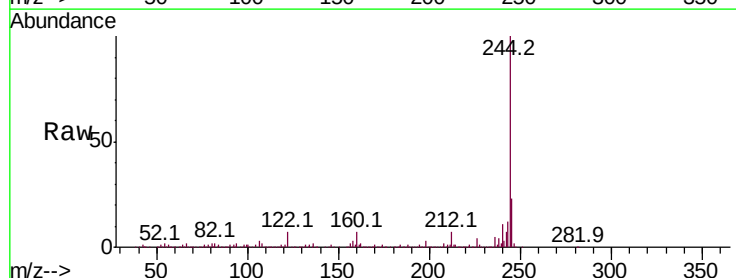
Tgt Ion:244 Resp: 1398845

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

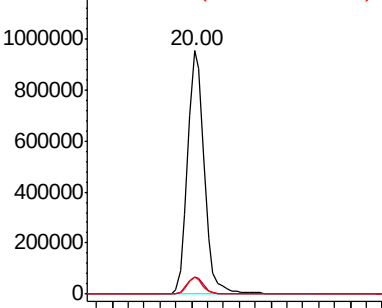
122 7.2 5.3 7.9



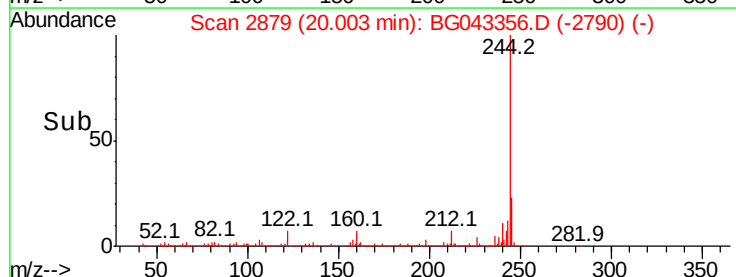
Abundance Ion 244.00 (243.70 to 244.70): E

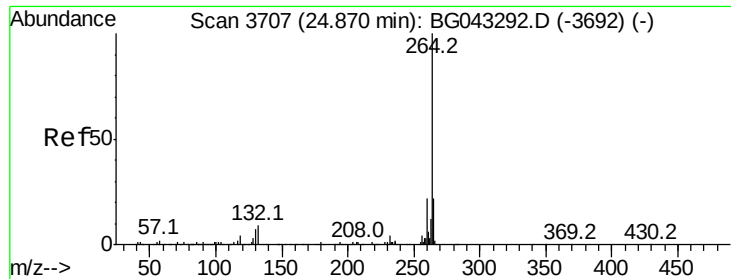
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.86 min Scan# 3706  
Delta R.T. -0.01 min  
Lab File: BG043356.D  
Acq: 28 Oct 2019 18:56

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 17.9  | 26.9  |
| 265     | 21.2  | 17.4  | 26.2  |

