

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG020619\NOT REVIEWED DATA\  
 Data File : BG039368.D  
 Acq On : 6 Feb 2019 13:20  
 Operator : JU/SJ  
 Sample : PB116862BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116862BL

Quant Time: Feb 07 01:14:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 48069    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.00 | 136  | 206661   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.80 | 164  | 133630   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.55 | 188  | 335767   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.83 | 240  | 374479   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 25.22 | 264  | 368312   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.71  | 112  | 380084   | 135.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 534814   | 129.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 300586   | 90.86  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 183112   | 127.25 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.43 | 172  | 781358   | 83.88  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.14 | 244  | 1330029  | 75.18  | ng    | -0.01    |

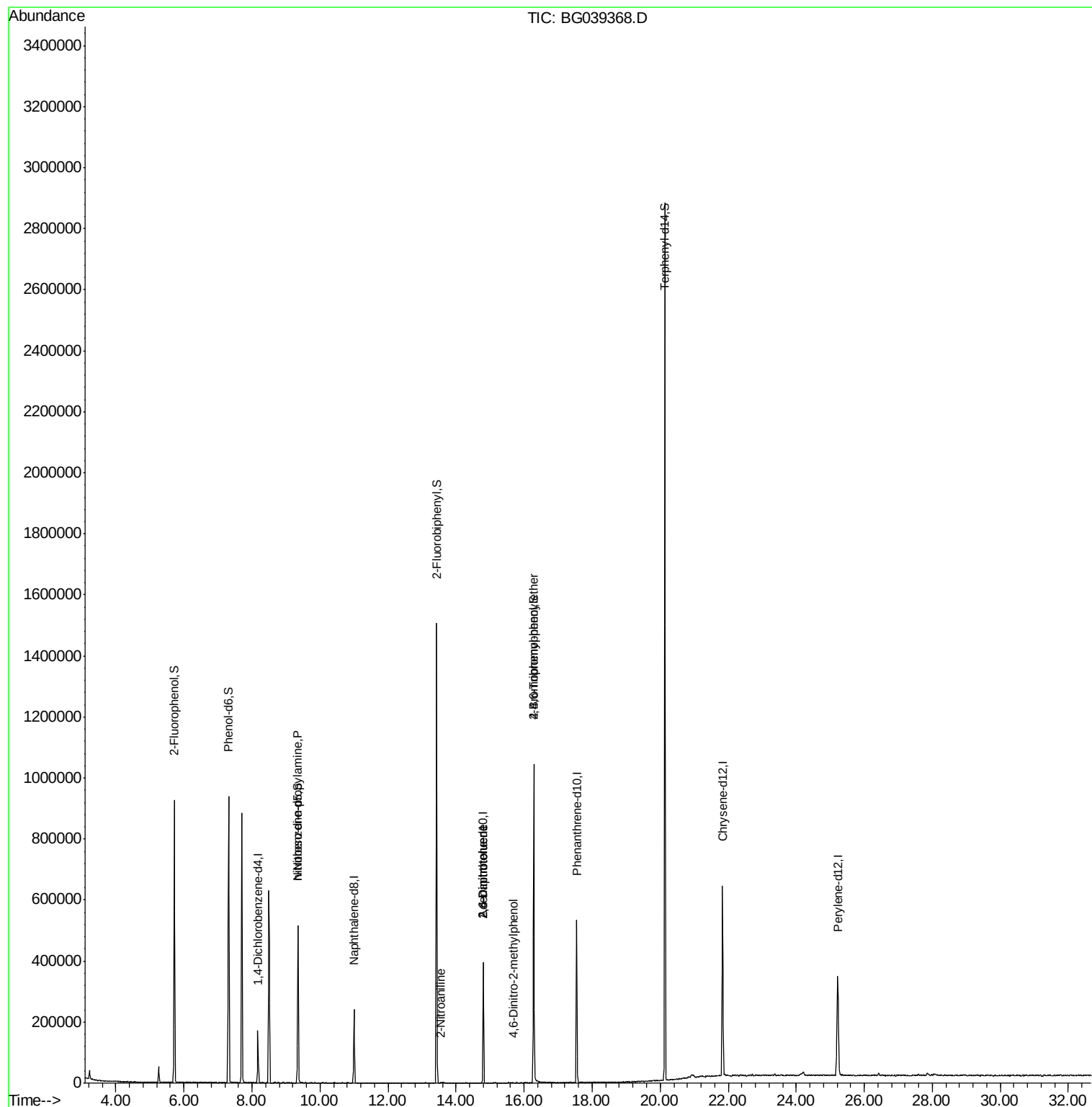
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 7.32  | 77   | 892      | Below Cal |       | # 4    |
| 19) n-Nitroso-di-n-propylamine | 9.35  | 70   | 39391    | 13.425    | ng    | # 72   |
| 48) 2-Nitroaniline             | 13.53 | 65   | 54       | 8.315     | ng    | # 10   |
| 51) 2,6-Dinitrotoluene         | 14.80 | 165  | 17353    | 13.987    | ng    | # 24   |
| 57) 2,4-Dinitrotoluene         | 14.80 | 165  | 17353    | 13.447    | ng    | # 19   |
| 65) 4,6-Dinitro-2-methylphenol | 15.68 | 198  | 61       | 4.228     | ng    | # 32   |
| 67) 4-Bromophenyl-phenylether  | 16.28 | 248  | 14114    | 3.789     | ng    | # 1    |

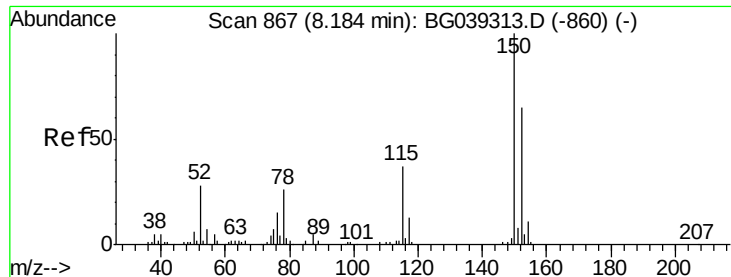
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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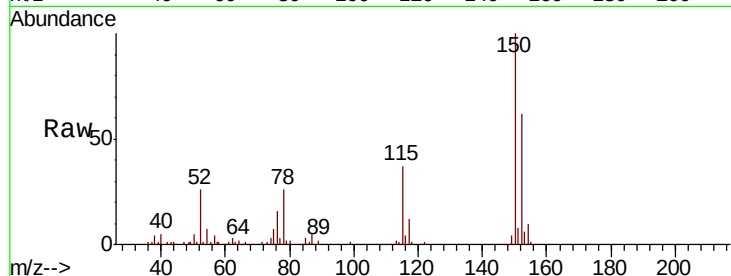


#1

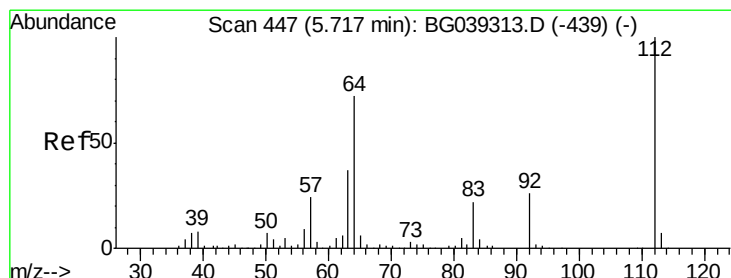
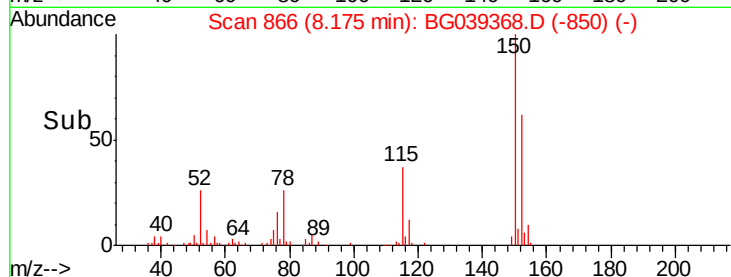
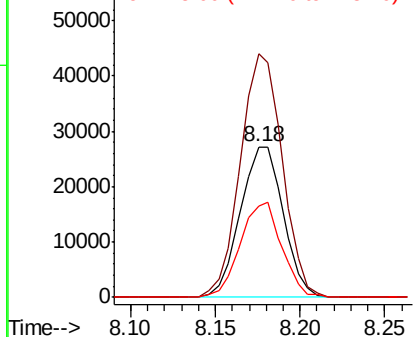
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.18 min Scan# 866  
Delta R.T. -0.01 min  
Lab File: BG039368.D  
Acq: 6 Feb 2019 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB116862BL

Tgt Ion:152 Resp: 48069  
Ion Ratio Lower Upper  
152 100  
150 161.6 123.7 185.5  
115 60.3 45.9 68.9



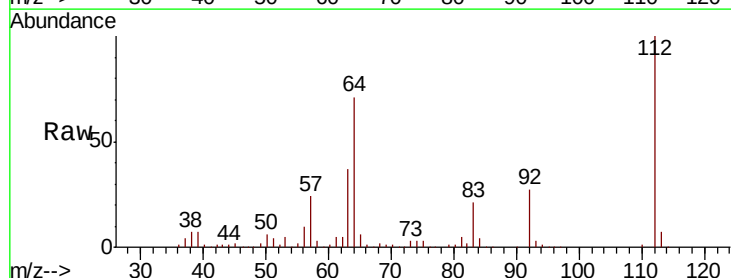
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



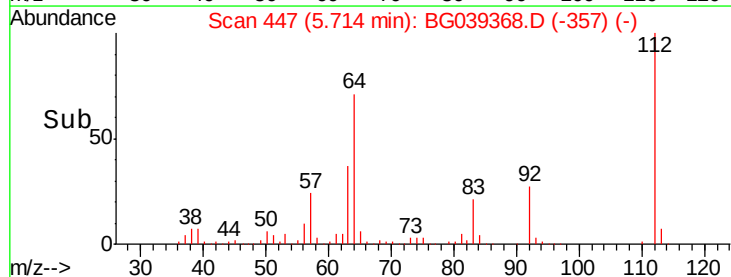
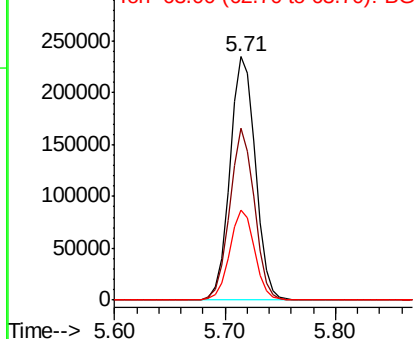
#5

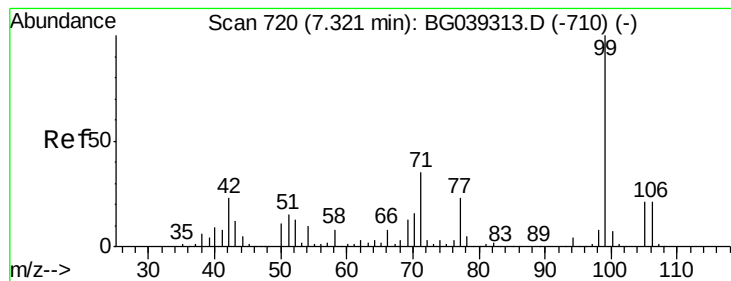
2-Fluorophenol  
Concen: 135.330 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039368.D  
Acq: 6 Feb 2019 13:20

Tgt Ion:112 Resp: 380084  
Ion Ratio Lower Upper  
112 100  
64 70.6 57.8 86.8  
63 37.1 29.8 44.6



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: 129.365 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Instrument :

BNA\_G

ClientSampleId :

PB116862BL

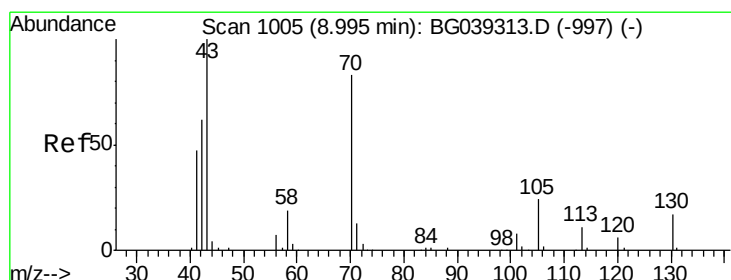
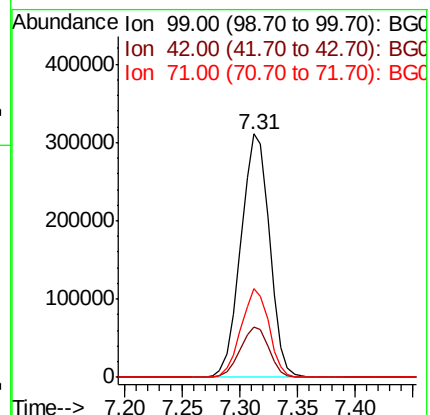
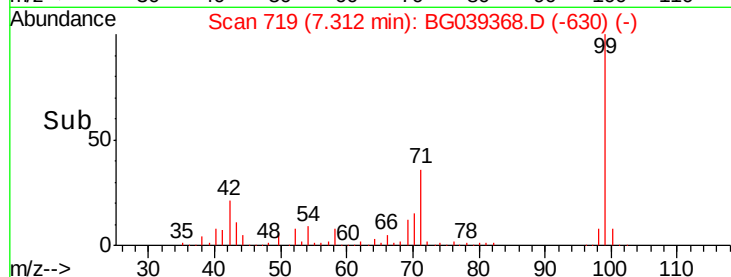
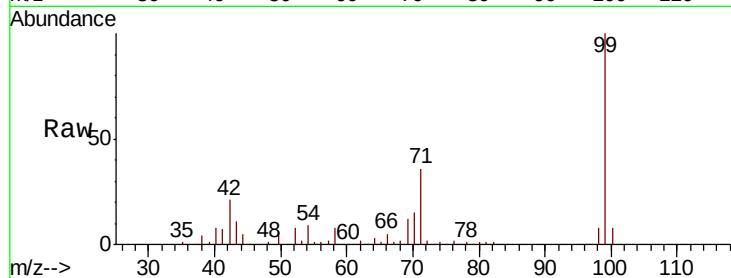
Tgt Ion: 99 Resp: 534814

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.2

71 36.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.425 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Tgt Ion: 70 Resp: 39391

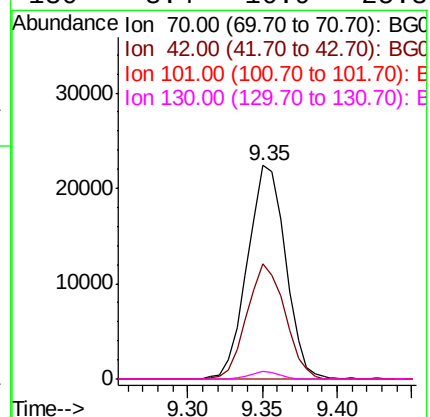
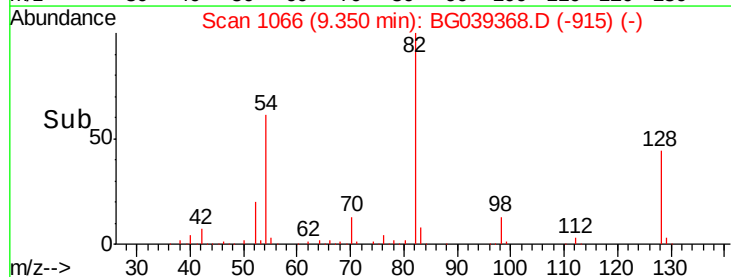
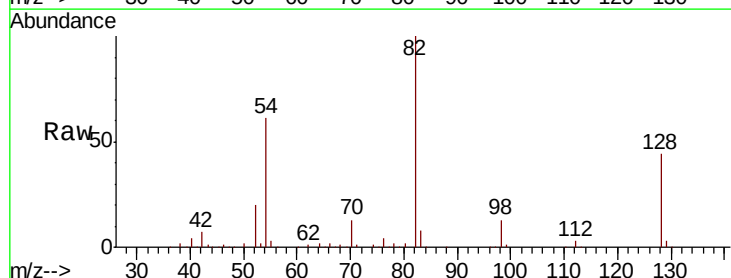
Ion Ratio Lower Upper

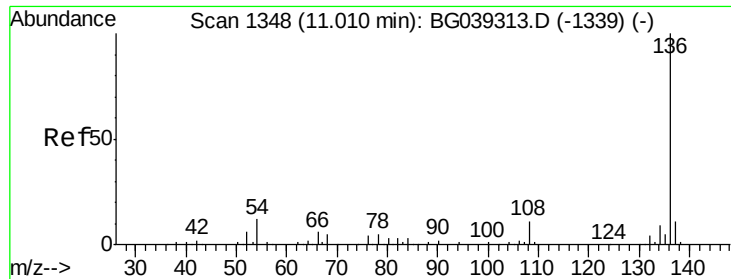
70 100

42 53.7 60.4 90.6#

101 0.0 7.5 11.3#

130 3.4 16.9 25.3#

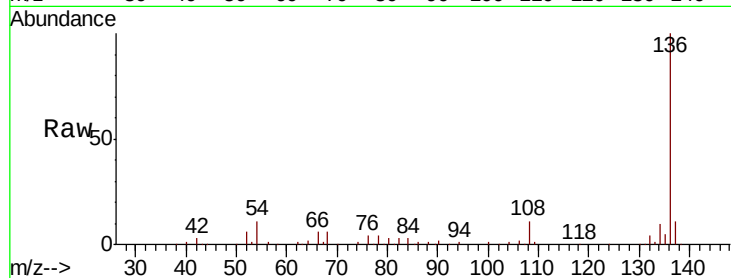




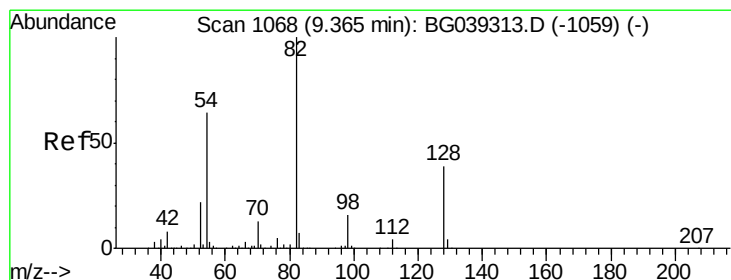
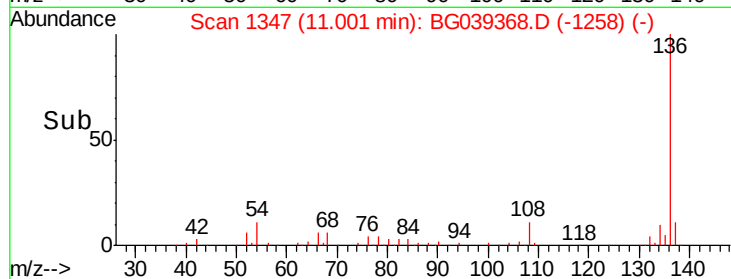
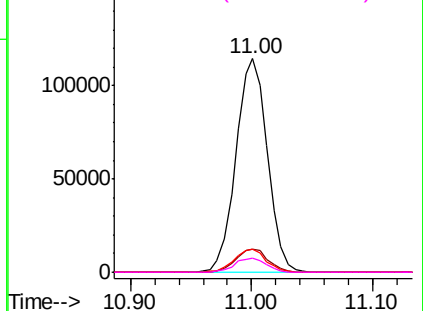
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.00 min Scan# 1347  
Delta R.T. -0.01 min  
Lab File: BG039368.D  
Acq: 6 Feb 2019 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB116862BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 206661 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.1   | 13.7   |
| 54       | 10.6  | 9.4   | 14.2   |
| 68       | 6.4   | 4.2   | 6.4#   |

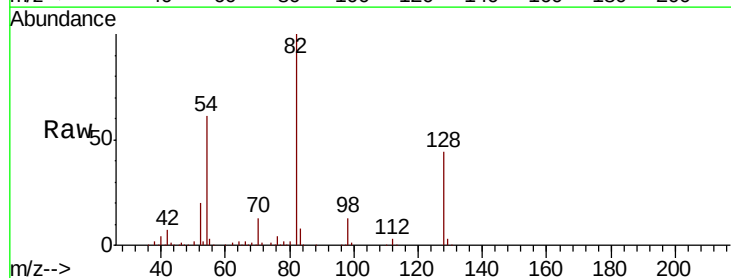


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

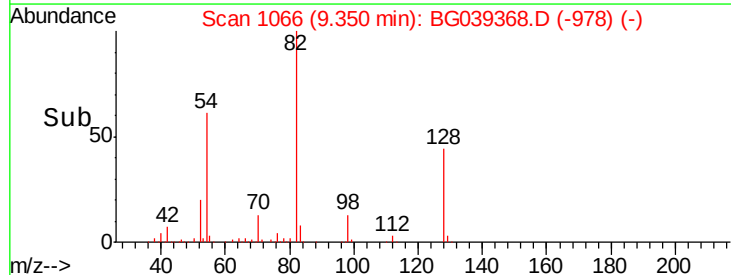
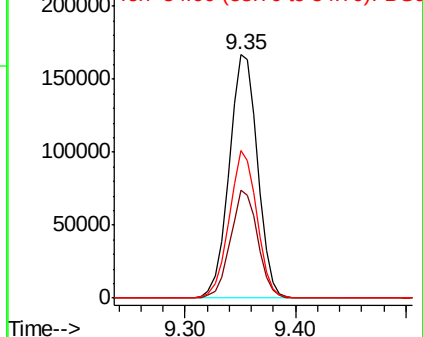


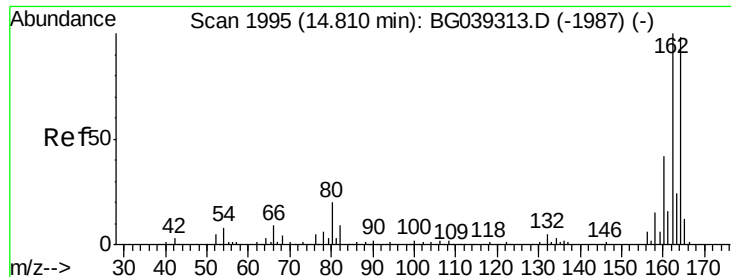
#23  
Nitrobenzene-d5  
Concen: 90.864 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039368.D  
Acq: 6 Feb 2019 13:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 300586 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.2  | 31.3  | 46.9   |
| 54       | 60.6  | 50.9  | 76.3   |



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: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Instrument :

BNA\_G

ClientSampleId :

PB116862BL

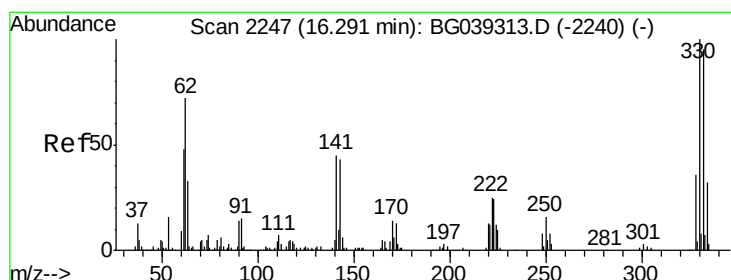
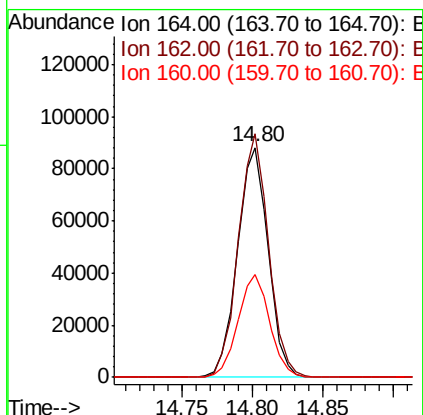
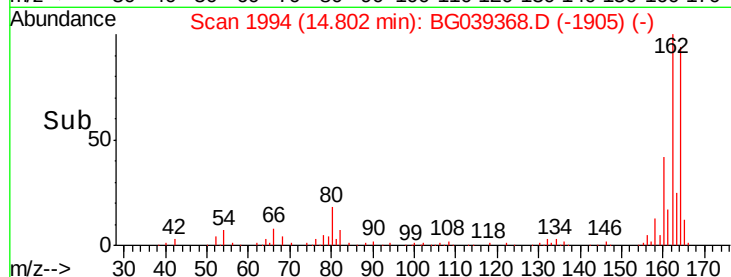
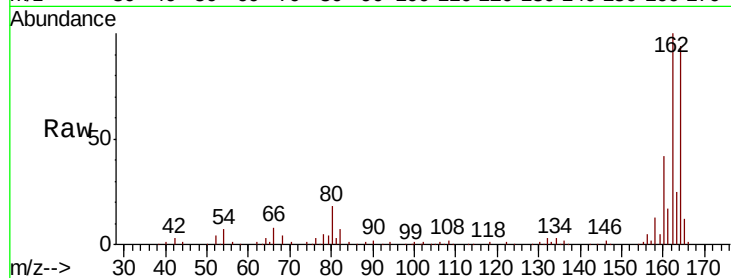
Tgt Ion:164 Resp: 133630

Ion Ratio Lower Upper

164 100

162 105.9 81.6 122.4

160 44.7 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 127.252 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

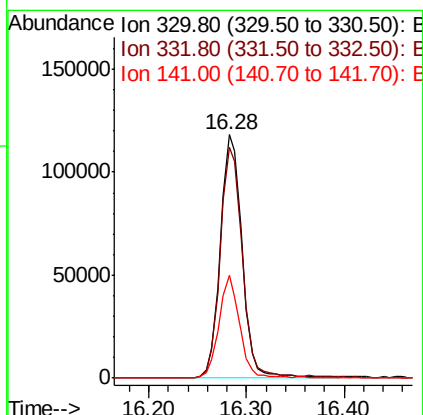
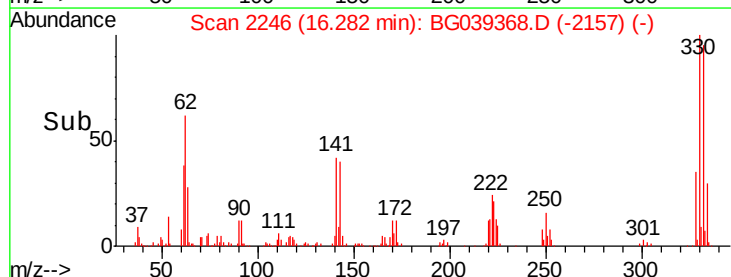
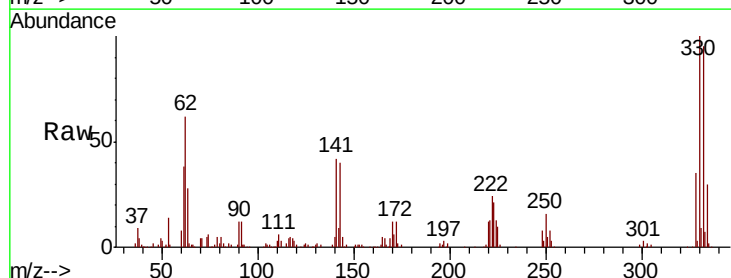
Tgt Ion:330 Resp: 183112

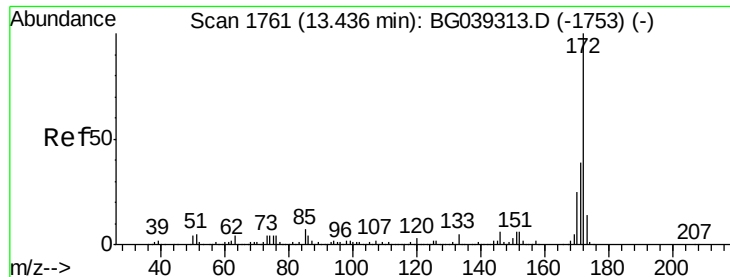
Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

141 40.2 35.6 53.4

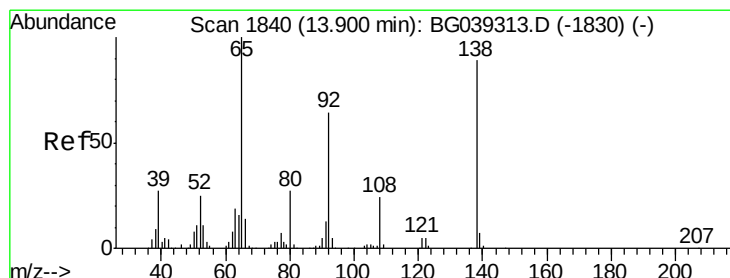
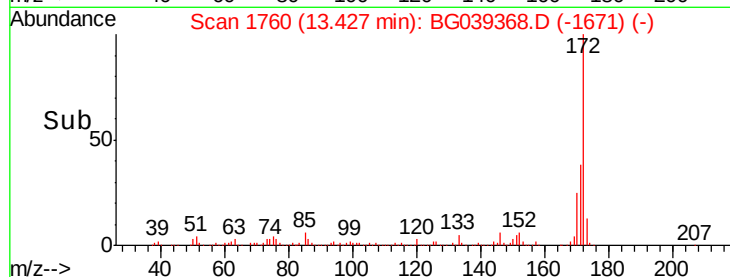
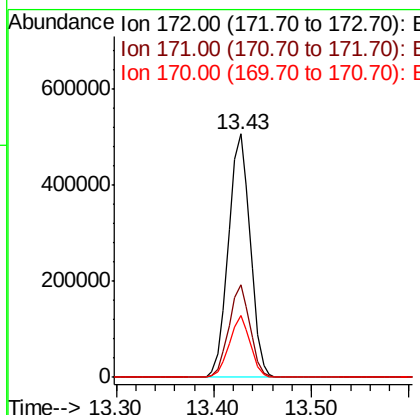
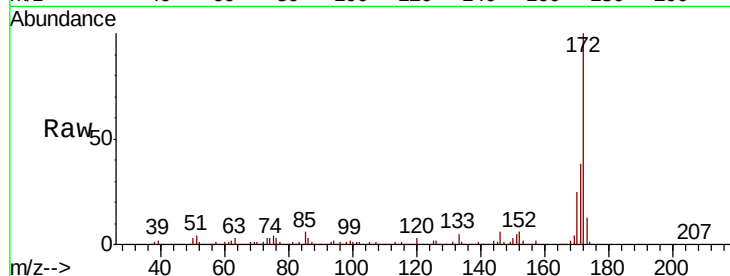




#45  
 2-Fluorobiphenyl  
 Concen: 83.881 ng  
 RT: 13.43 min Scan# 1760  
 Delta R.T. -0.01 min  
 Lab File: BG039368.D  
 Acq: 6 Feb 2019 13:20

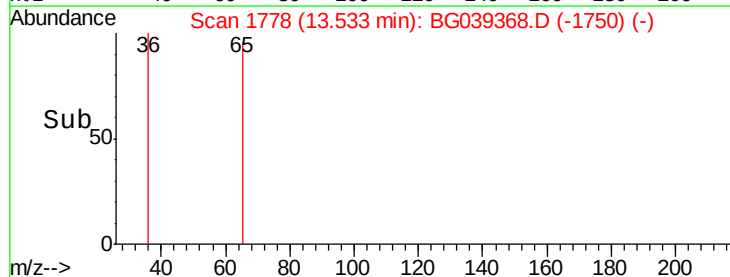
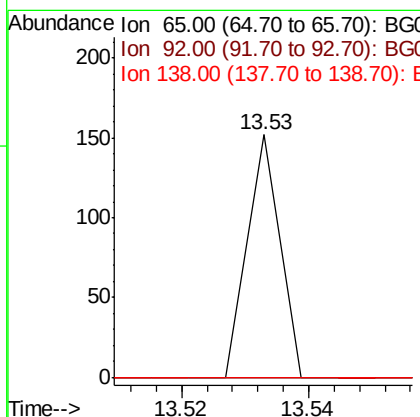
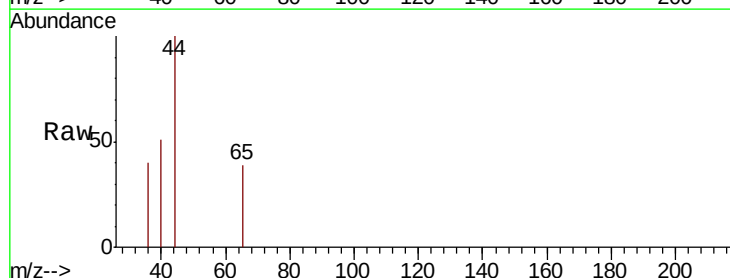
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116862BL

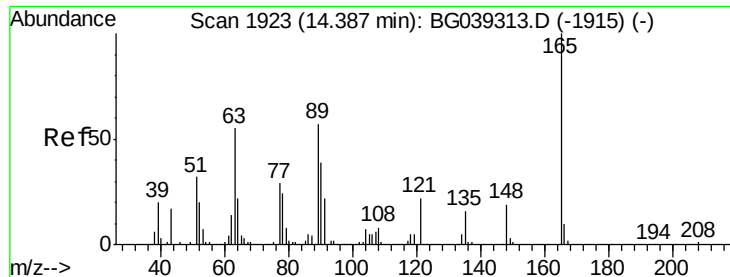
Tgt Ion: 172 Resp: 781358  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 30.8 46.2  
 170 25.2 20.2 30.4



#48  
 2-Nitroaniline  
 Concen: 8.315 ng  
 RT: 13.53 min Scan# 1778  
 Delta R.T. -0.37 min  
 Lab File: BG039368.D  
 Acq: 6 Feb 2019 13:20

Tgt Ion: 65 Resp: 54  
 Ion Ratio Lower Upper  
 65 100  
 92 0.0 51.4 77.2#  
 138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.987 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.41 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Instrument :

BNA\_G

ClientSampleId :

PB116862BL

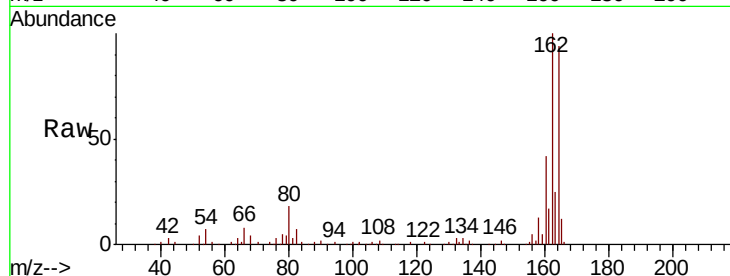
Tgt Ion:165 Resp: 17353

Ion Ratio Lower Upper

165 100

63 2.4 47.0 70.6#

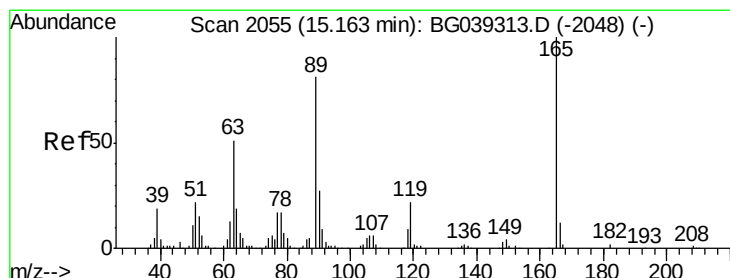
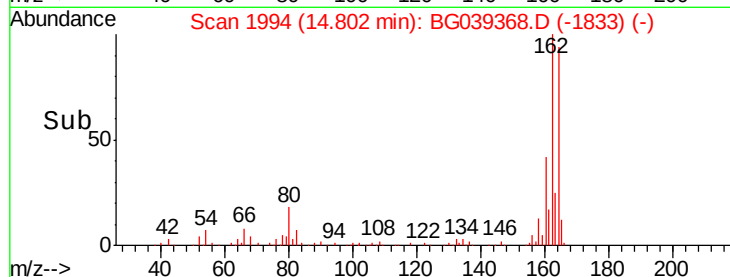
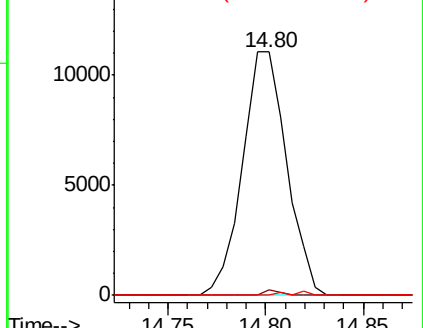
89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.447 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Tgt Ion:165 Resp: 17353

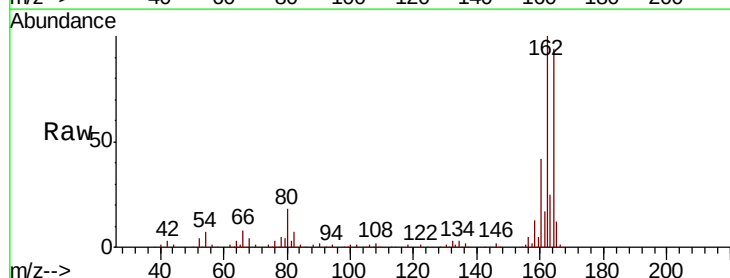
Ion Ratio Lower Upper

165 100

63 2.4 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

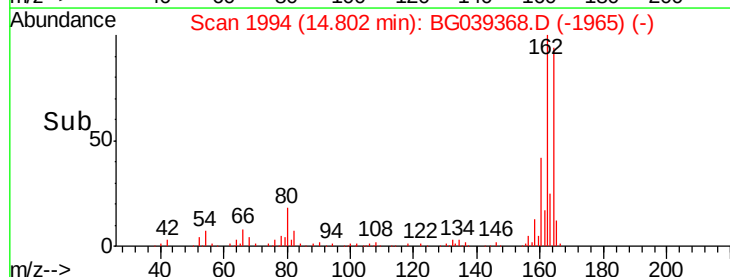
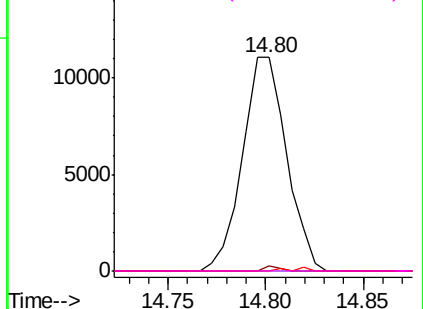


Abundance Ion 165.00 (164.70 to 165.70): E

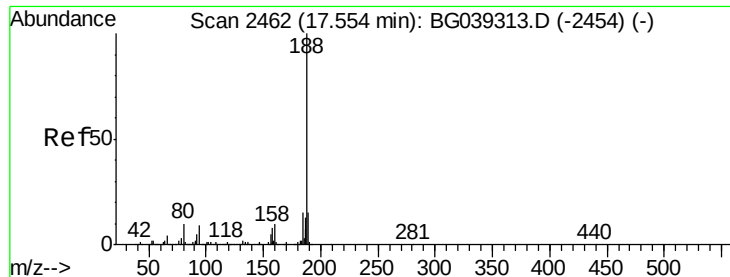
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Instrument :

BNA\_G

ClientSampleId :

PB116862BL

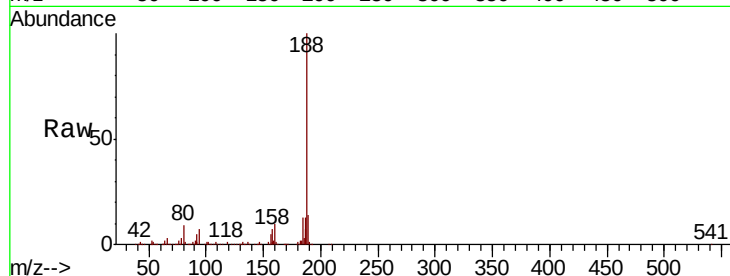
Tgt Ion:188 Resp: 335767

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

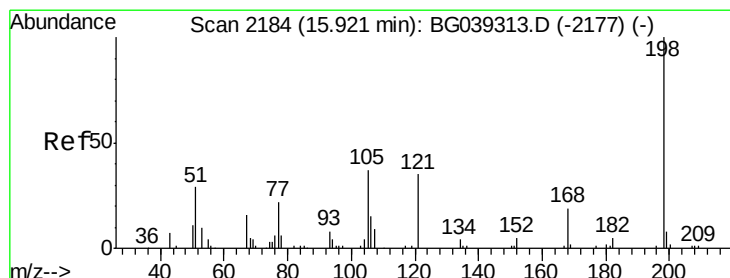
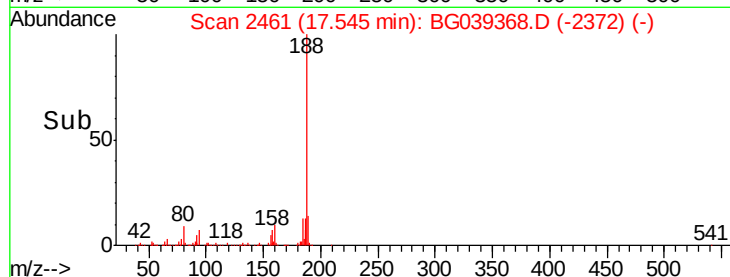
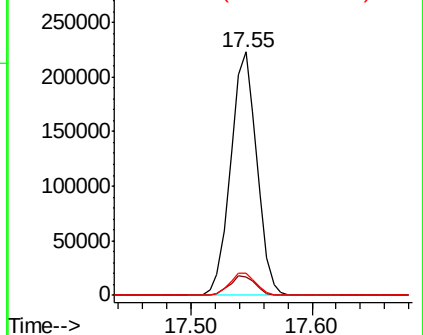
80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.228 ng

RT: 15.68 min Scan# 2143

Delta R.T. -0.24 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

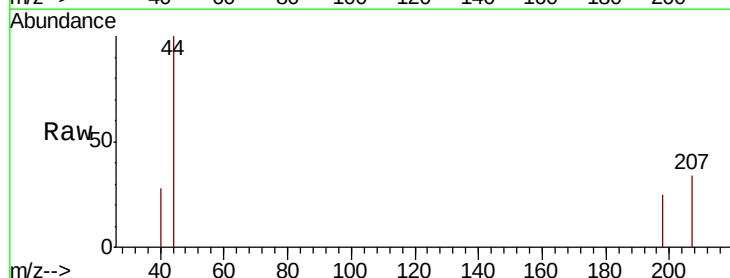
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

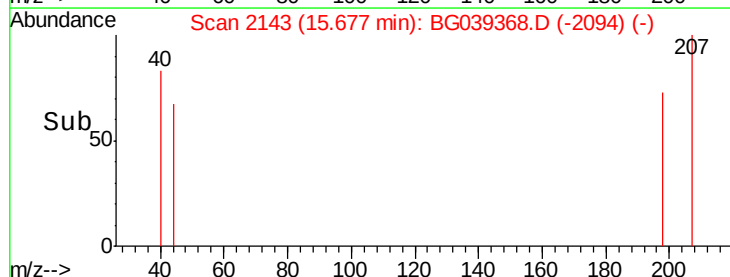
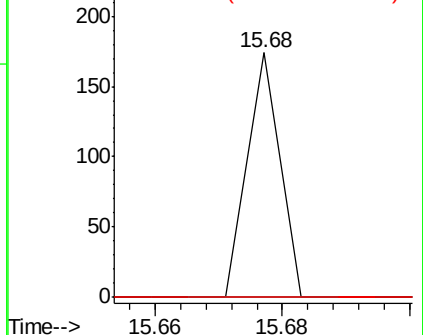
105 0.0 19.7 59.7#

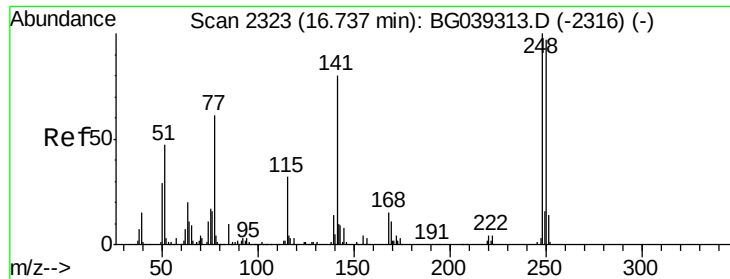


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

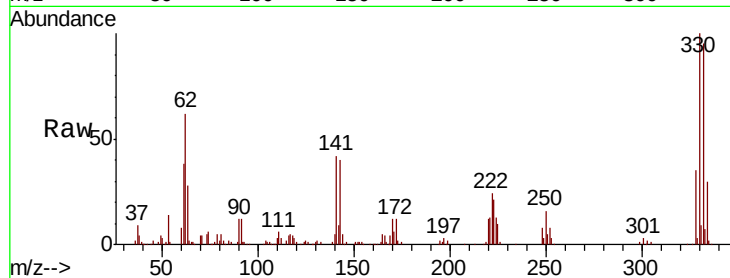




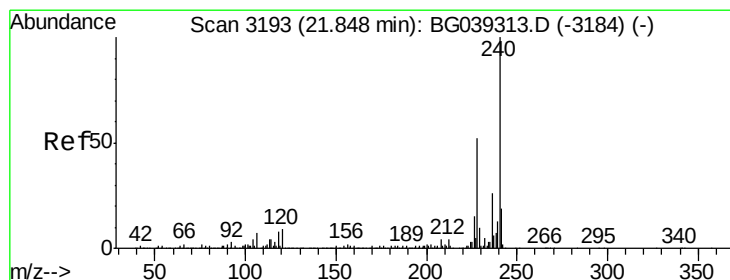
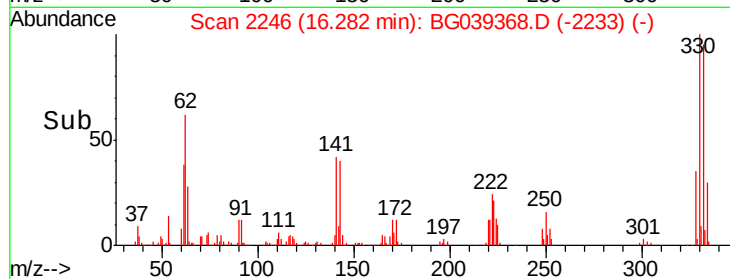
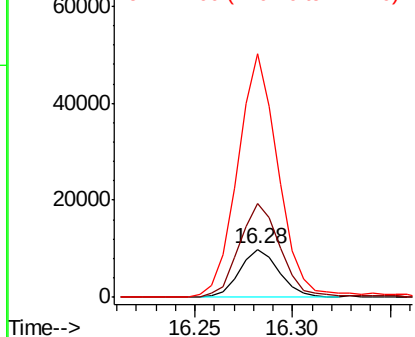
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.789 ng  
 RT: 16.28 min Scan# 2246  
 Delta R.T. -0.46 min  
 Lab File: BG039368.D  
 Acq: 6 Feb 2019 13:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116862BL

Tgt Ion:248 Resp: 14114  
 Ion Ratio Lower Upper  
 248 100  
 250 194.6 77.6 116.4#  
 141 505.8 63.9 95.9#

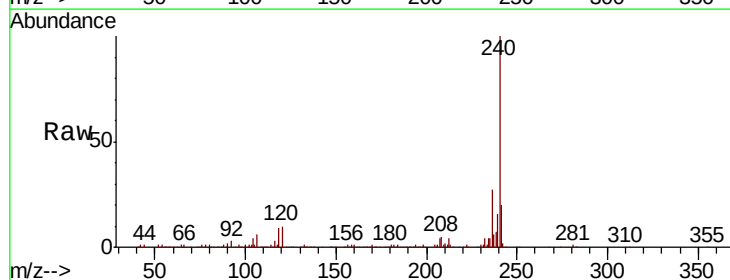


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

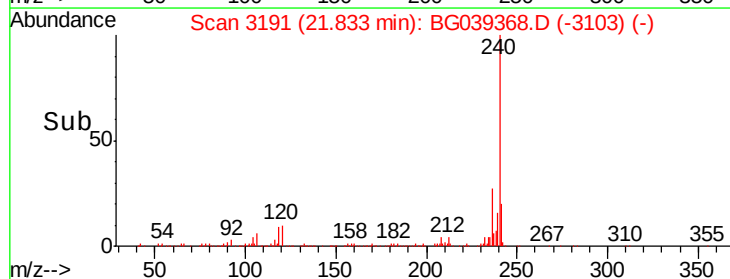
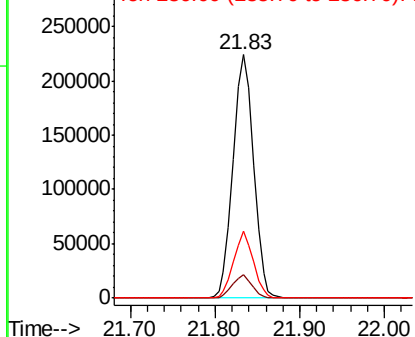


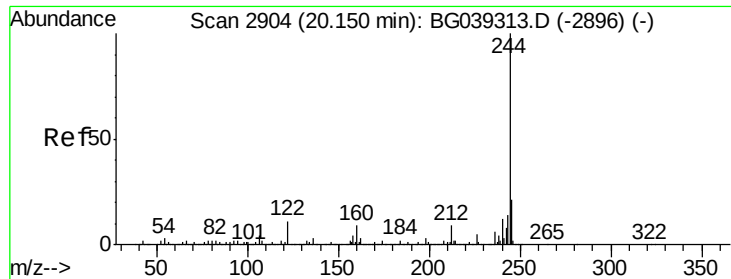
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.83 min Scan# 3191  
 Delta R.T. -0.01 min  
 Lab File: BG039368.D  
 Acq: 6 Feb 2019 13:20

Tgt Ion:240 Resp: 374479  
 Ion Ratio Lower Upper  
 240 100  
 120 9.6 7.0 10.6  
 236 27.3 21.0 31.4



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





#79

Terphenyl-d14

Concen: 75.178 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Instrument :

BNA\_G

ClientSampleId :

PB116862BL

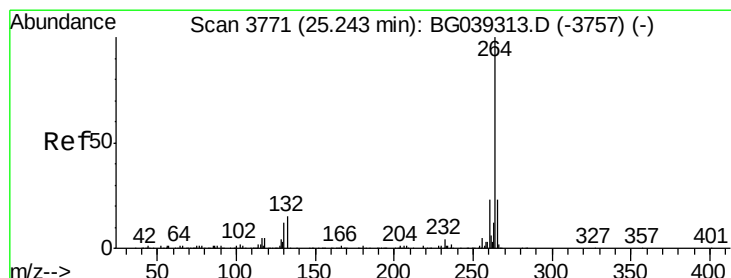
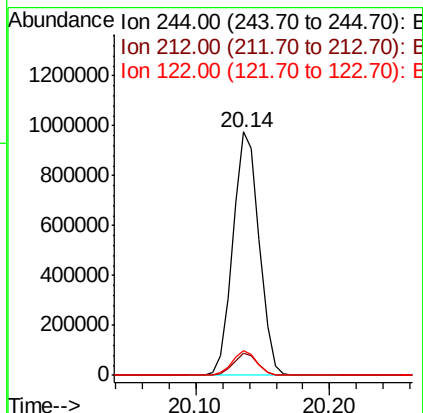
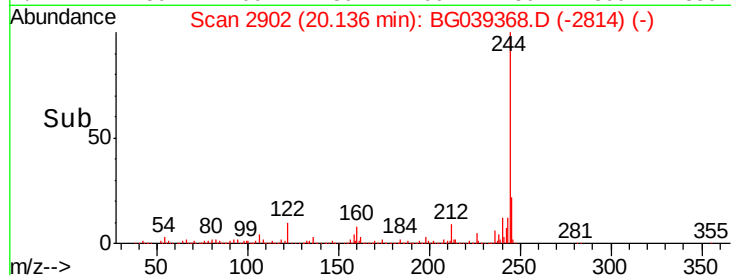
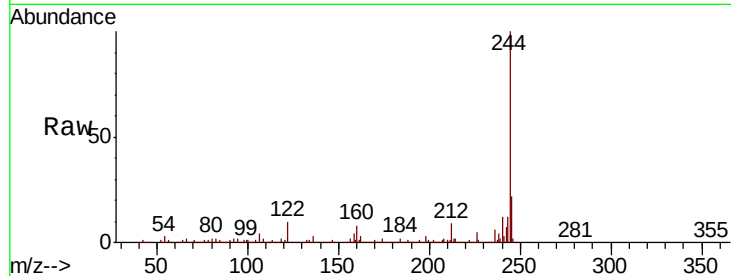
Tgt Ion:244 Resp: 1330029

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

122 10.0 8.4 12.6



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039368.D

Acq: 6 Feb 2019 13:20

Tgt Ion:264 Resp: 368312

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 21.6 18.5 27.7

