

Data File : BG043900.D  
Acq On : 3 Jan 2020 23:11  
Operator : JU  
Sample : K6449-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 04 04:43:35 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.97  | 152  | 145467   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.76 | 136  | 644140   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.59 | 164  | 405952   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.34 | 188  | 783981   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.59 | 240  | 667935   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.72 | 264  | 769408   | 20.00 | ng    | 0.00     |

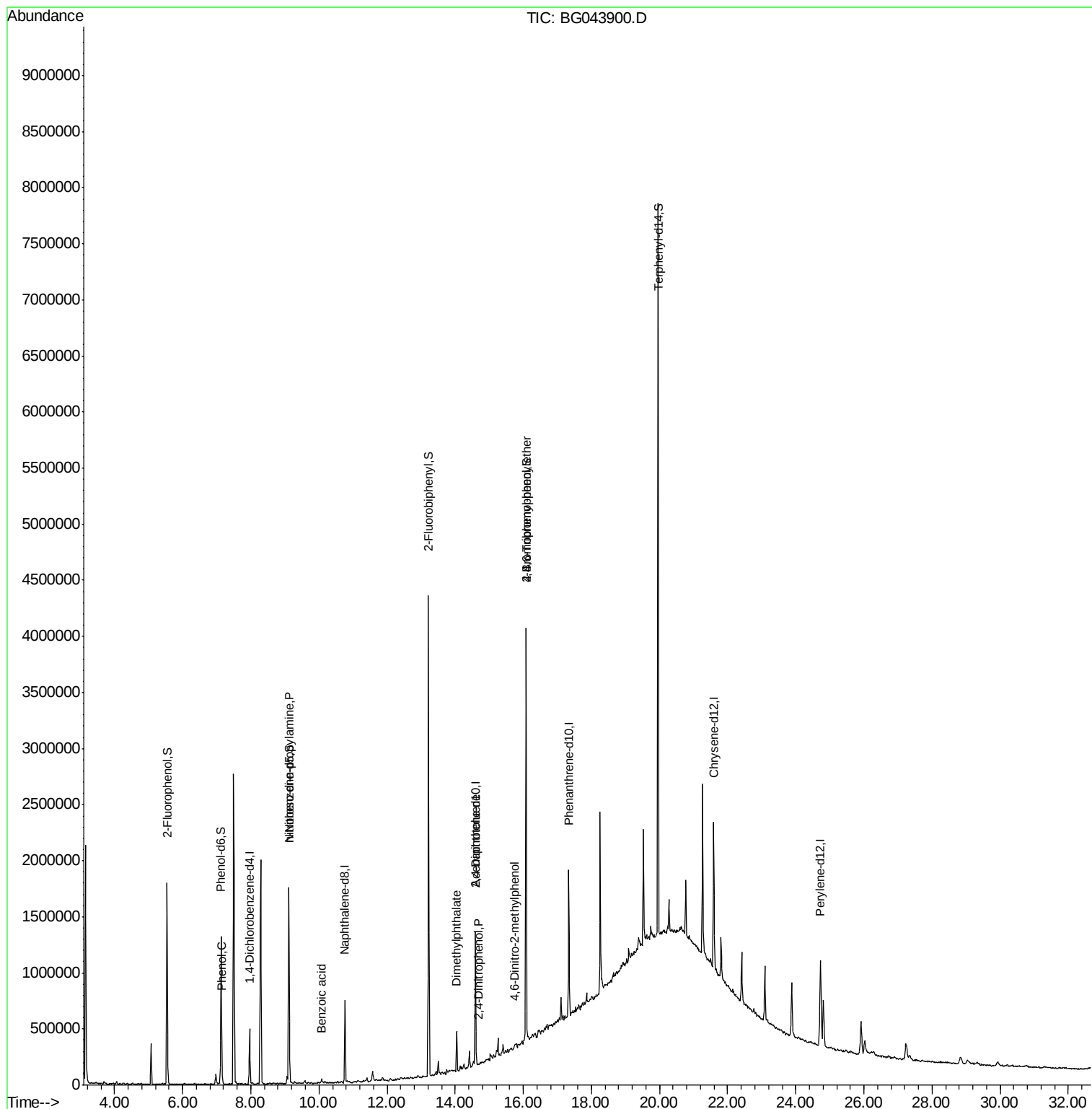
|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.54  | 112 | 812903  | 102.61 | ng | 0.00 |
| 7) Phenol-d6                | 7.13  | 99  | 797075  | 71.98  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.12  | 82  | 1078133 | 89.54  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.08 | 330 | 632735  | 148.94 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.22 | 172 | 2108023 | 94.08  | ng | 0.00 |
| 79) Terphenyl-d14           | 19.96 | 244 | 2563225 | 95.52  | ng | 0.00 |

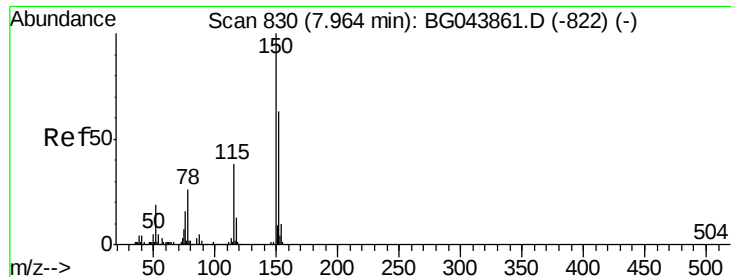
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 7.15  | 94  | 52859  | 4.633  | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 9.12  | 70  | 148311 | 17.983 | ng | # 79 |
| 32) Benzoic acid               | 10.08 | 122 | 222    | 6.290  | ng | # 23 |
| 50) Dimethylphthalate          | 14.05 | 163 | 262861 | 9.119  | ng | # 97 |
| 54) 2,4-Dinitrophenol          | 14.69 | 184 | 97     | 5.510  | ng | # 1  |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165 | 53649  | 6.052  | ng | # 29 |
| 65) 4,6-Dinitro-2-methylphenol | 15.73 | 198 | 315    | 4.461  | ng | # 1  |
| 67) 4-Bromophenyl-phenylether  | 16.08 | 248 | 46856  | 5.314  | ng | # 1  |

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

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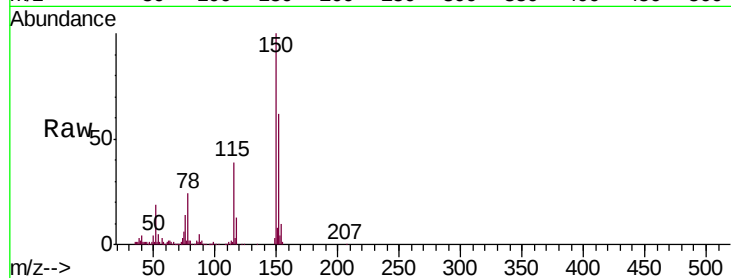




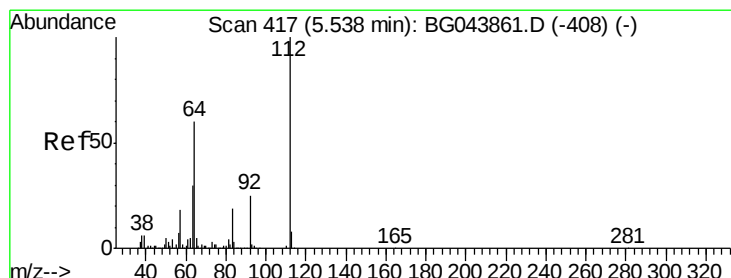
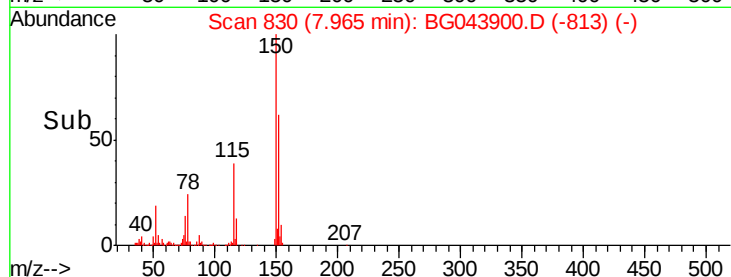
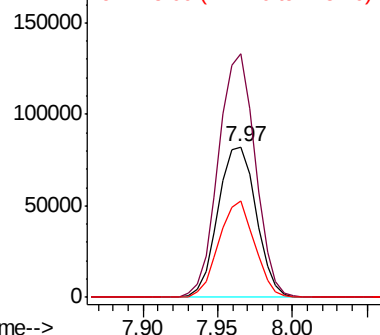
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.5 | 127.0 | 190.4 |
| 115     | 63.6  | 47.8  | 71.8  |



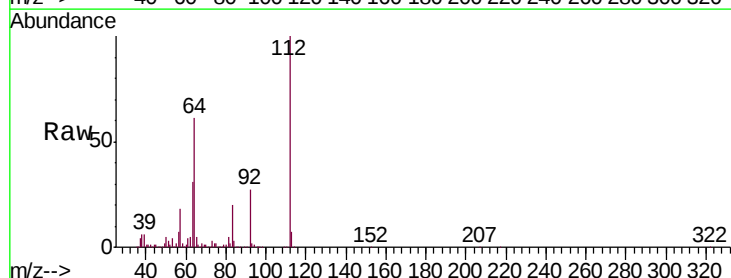
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



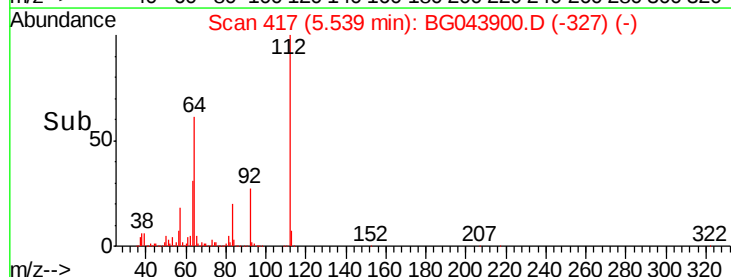
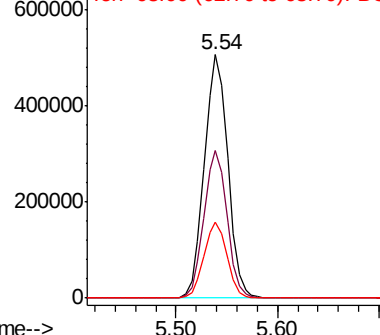
#5

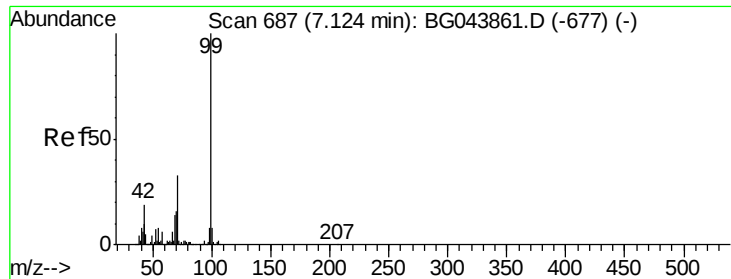
2-Fluorophenol  
Concen: 102.607 ng  
RT: 5.54 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.8  | 47.8  | 71.6  |
| 63      | 31.1  | 24.3  | 36.5  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 71.976 ng

RT: 7.13 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043900.D

Acq: 3 Jan 2020 23:11

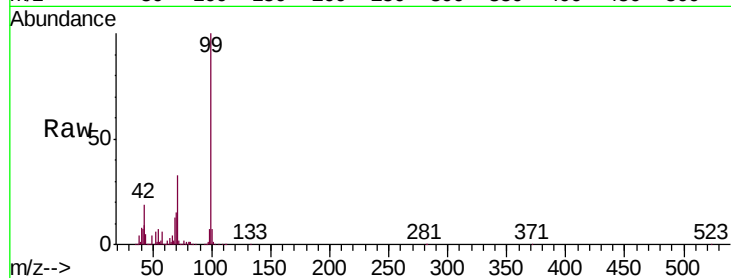
Tgt Ion: 99 Resp: 797075

Ion Ratio Lower Upper

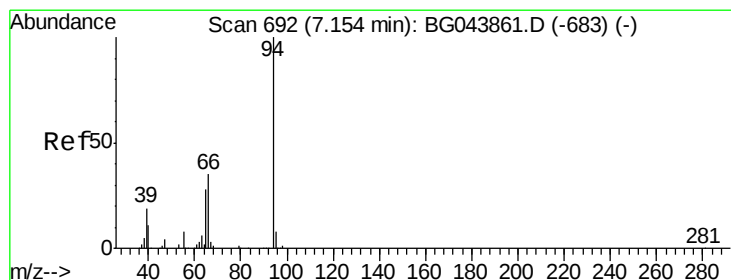
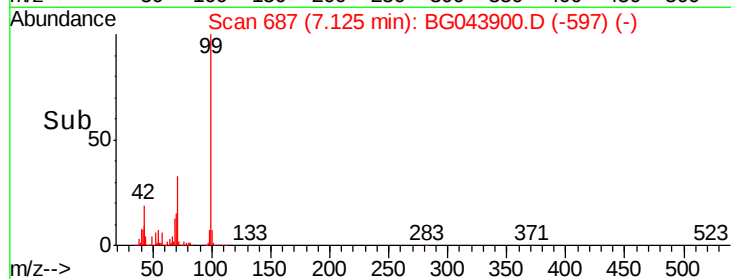
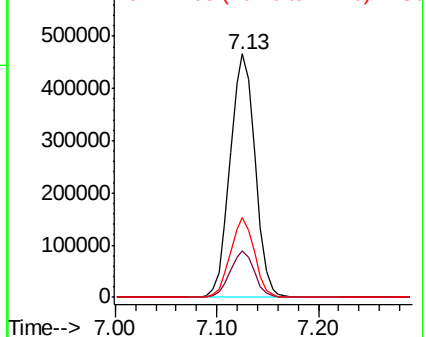
99 100

42 19.0 14.9 22.3

71 32.9 26.4 39.6



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: 4.633 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG043900.D

Acq: 3 Jan 2020 23:11

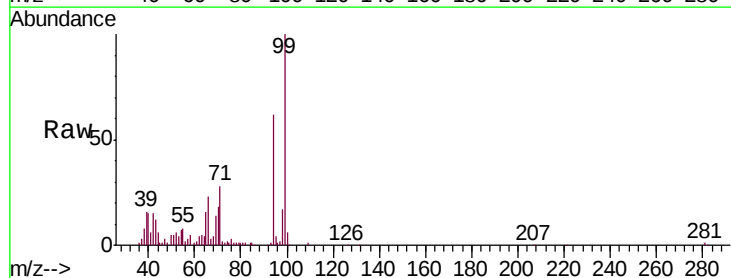
Tgt Ion: 94 Resp: 52859

Ion Ratio Lower Upper

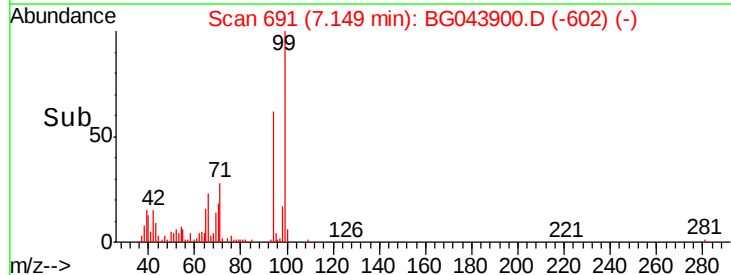
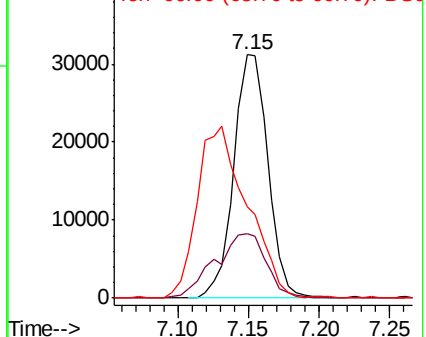
94 100

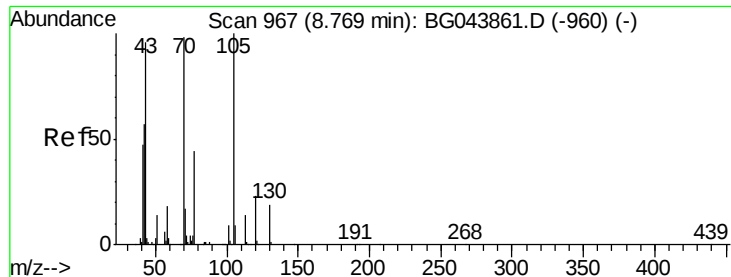
65 26.2 8.1 48.1

66 37.4 15.6 55.6



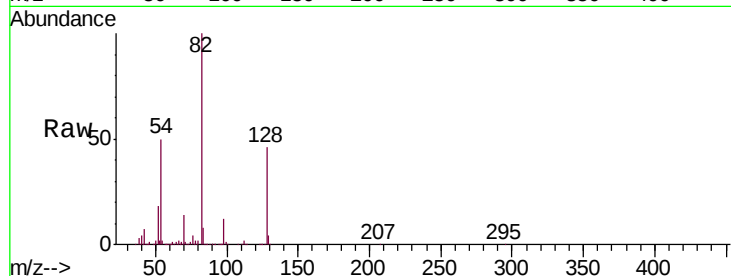
Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



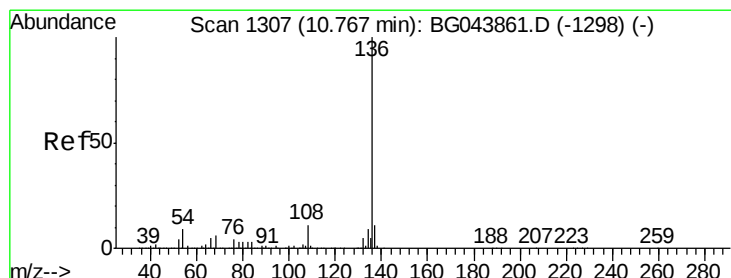
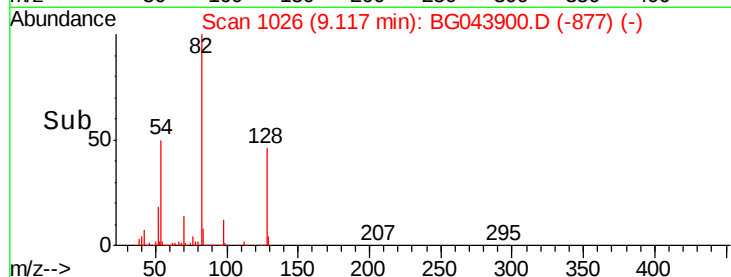
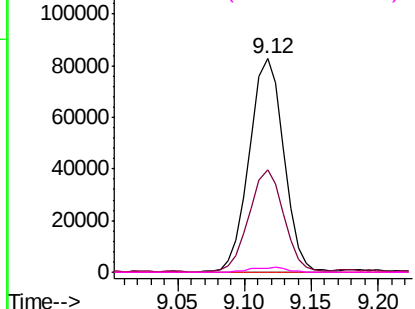


#19  
n-Nitroso-di-n-propylamine  
Concen: 17.983 ng  
RT: 9.12 min Scan# 1026  
Delta R.T. 0.35 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

Tgt Ion: 70 Resp: 148311  
Ion Ratio Lower Upper  
70 100  
42 48.2 47.0 70.4  
101 0.0 7.2 10.8#  
130 1.9 15.6 23.4#

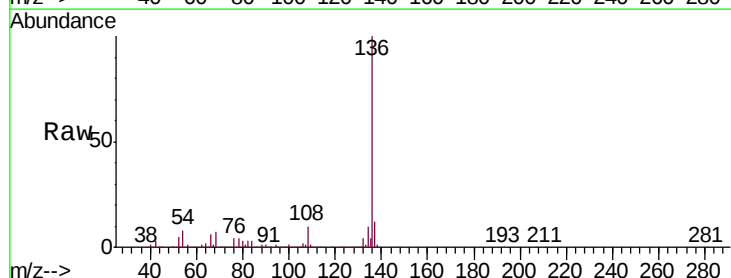


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

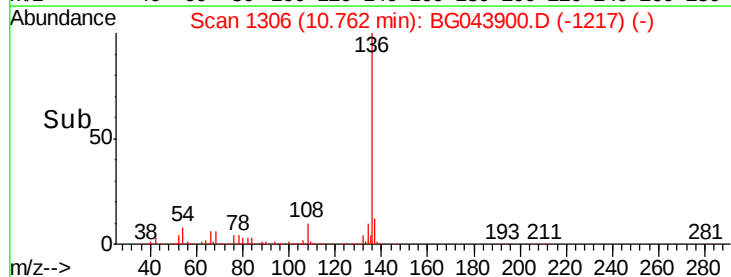
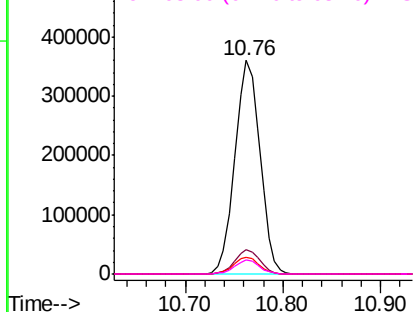


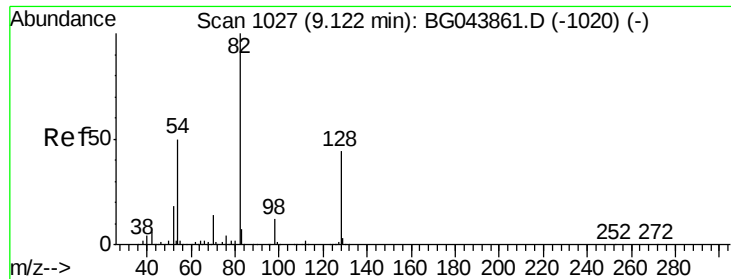
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.76 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

Tgt Ion: 136 Resp: 644140  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.8 13.2  
54 8.0 7.0 10.4  
68 6.6 4.9 7.3



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: 89.539 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG043900.D

Acq: 3 Jan 2020 23:11

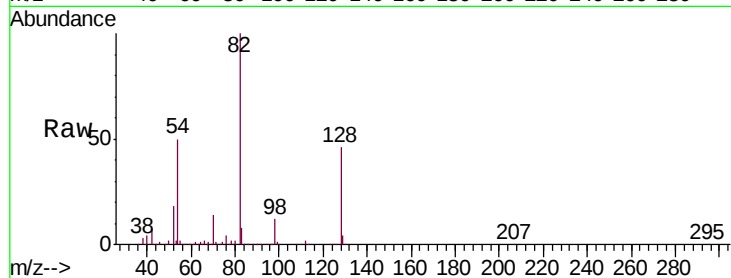
Tgt Ion: 82 Resp: 1078133

Ion Ratio Lower Upper

82 100

128 46.3 35.1 52.7

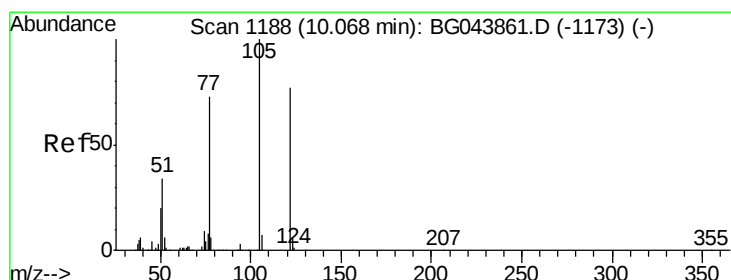
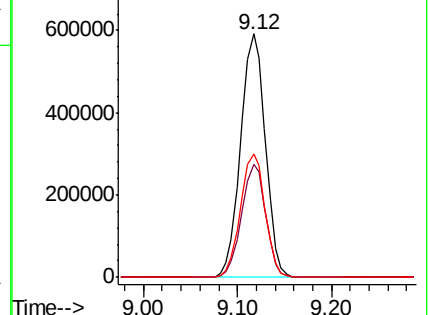
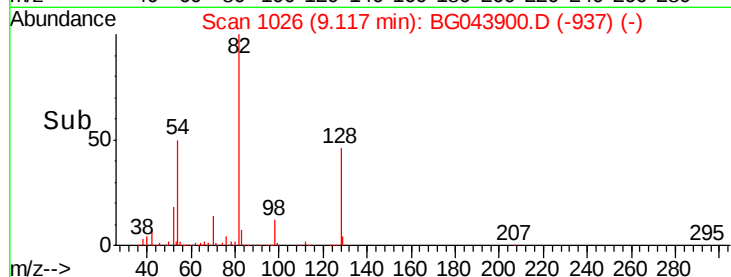
54 50.4 40.1 60.1



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: 6.290 ng

RT: 10.08 min Scan# 1190

Delta R.T. 0.01 min

Lab File: BG043900.D

Acq: 3 Jan 2020 23:11

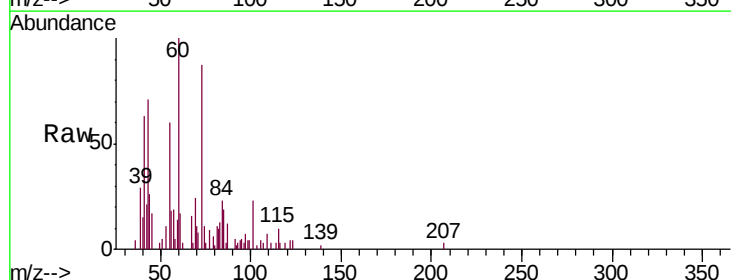
Tgt Ion: 122 Resp: 222

Ion Ratio Lower Upper

122 100

105 100.4 106.4 146.4#

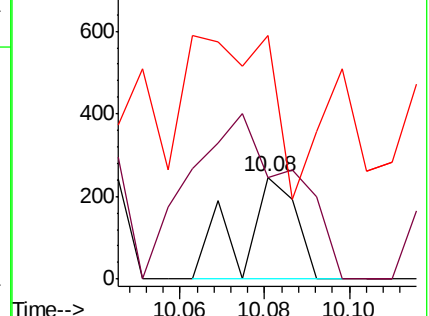
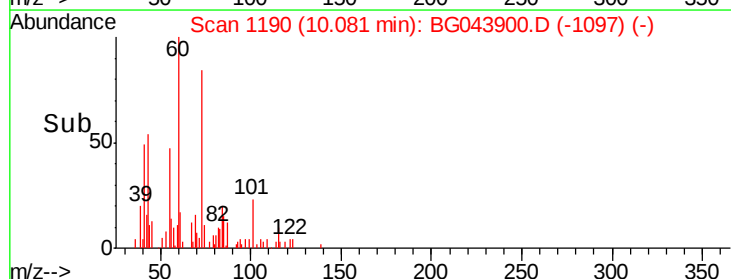
77 239.4 74.6 114.6#

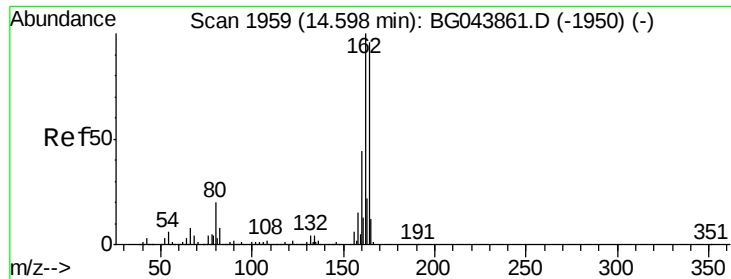


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

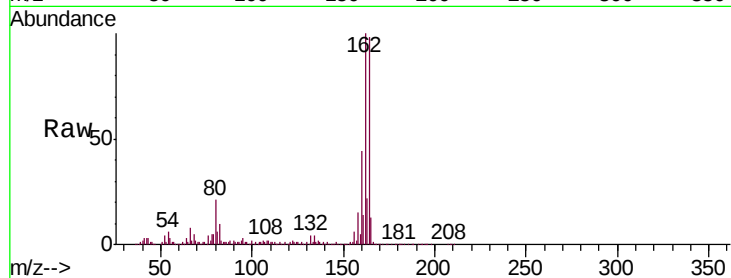
Ion 77.00 (76.70 to 77.70): BGC



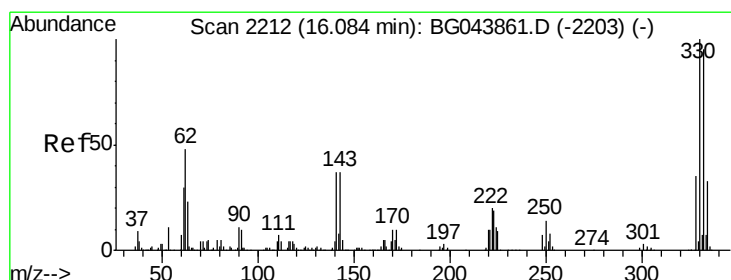
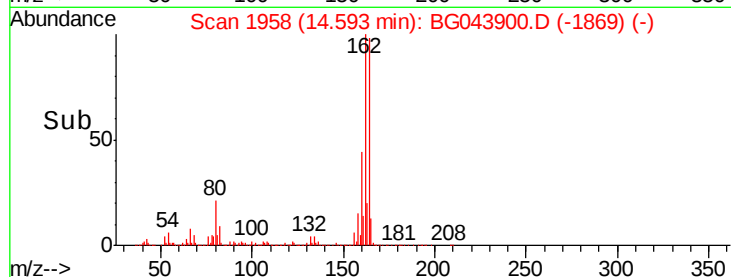
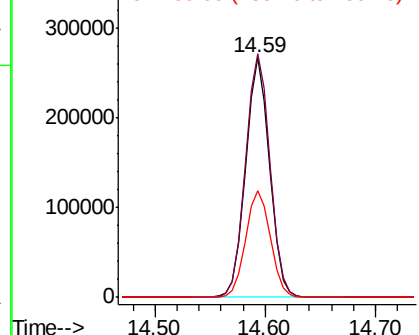


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.59 min Scan# 1958  
Delta R.T. -0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 83.0  | 124.4 |
| 160     | 44.6  | 36.1  | 54.1  |

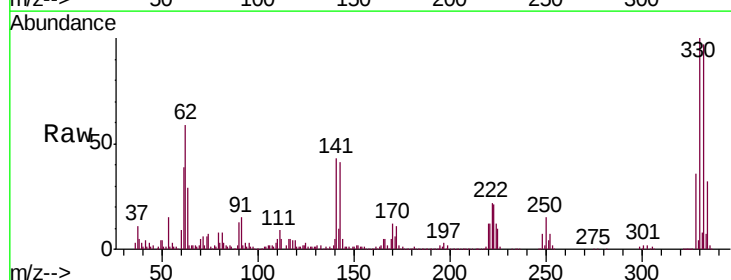


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

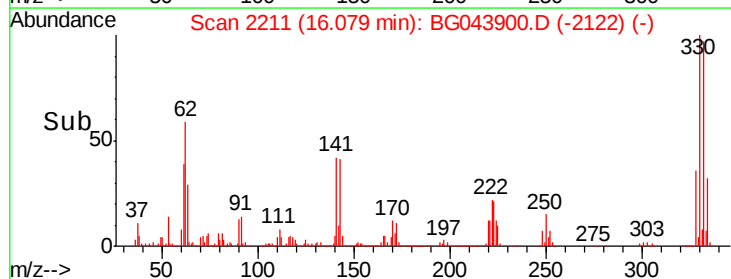
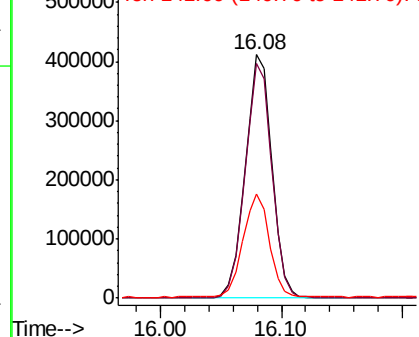


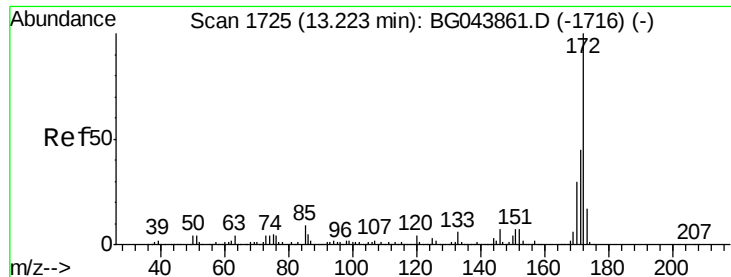
#42  
2,4,6-Tribromophenol  
Concen: 148.942 ng  
RT: 16.08 min Scan# 2211  
Delta R.T. -0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.2  | 115.8 |
| 141     | 42.6  | 33.1  | 49.7  |



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

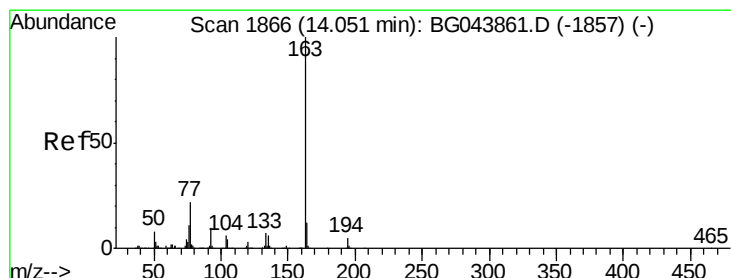
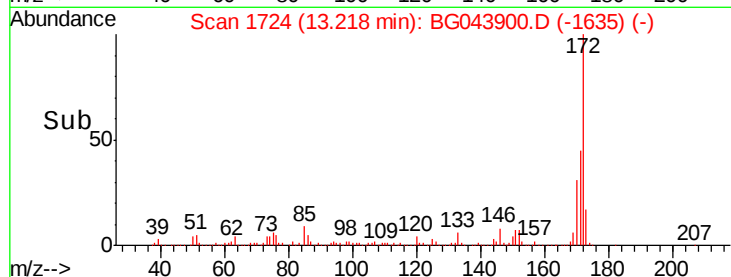
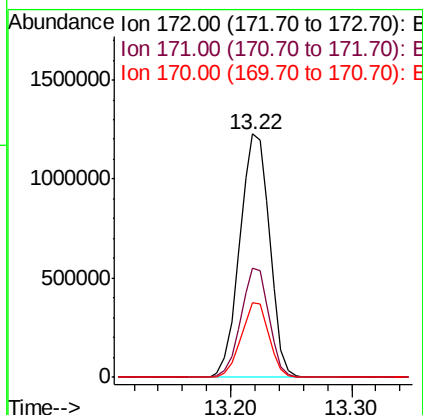
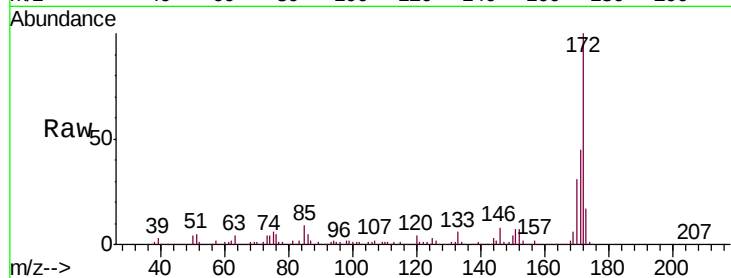




#45  
2-Fluorobiphenyl  
Concen: 94.081 ng  
RT: 13.22 min Scan# 1724  
Delta R.T. -0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

Tgt Ion:172 Resp: 2108023

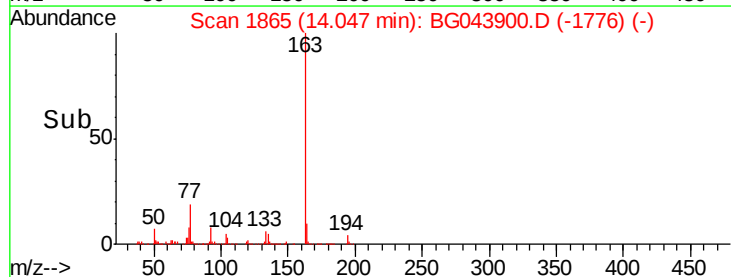
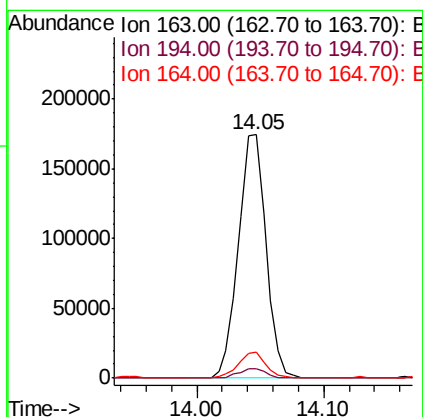
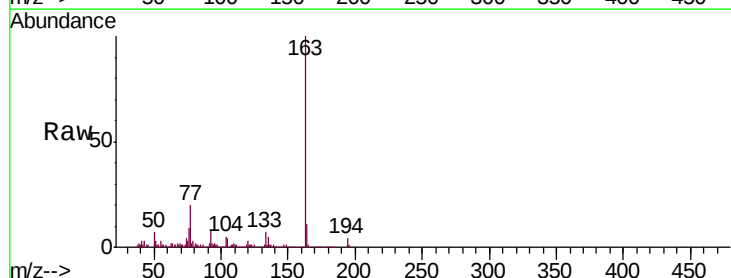
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 45.0  | 35.8  | 53.8  |
| 170 | 30.5  | 24.2  | 36.4  |

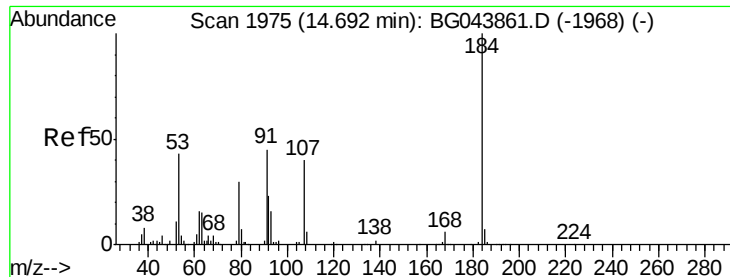


#50  
Dimethylphthalate  
Concen: 9.119 ng  
RT: 14.05 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

Tgt Ion:163 Resp: 262861

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.6   | 3.7   | 5.5#  |
| 164 | 10.5  | 9.3   | 13.9  |





#54

2,4-Dinitrophenol

Concen: 5.510 ng

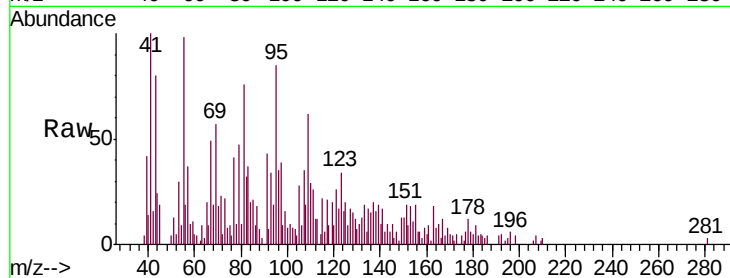
RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG043900.D

Acq: 3 Jan 2020 23:11

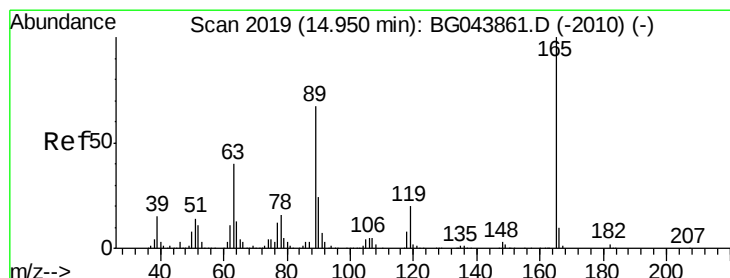
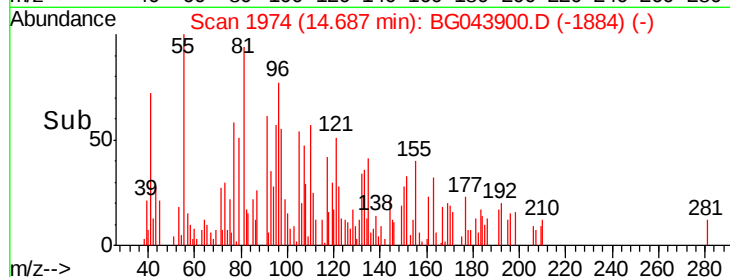
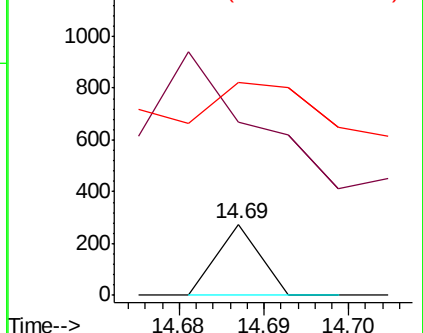
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 184   | Resp: | 97    |
| Ion      | Ratio | Lower | Upper |
| 184      | 100   |       |       |
| 63       | 243.3 | 46.6  | 70.0# |
| 154      | 298.2 | 50.2  | 75.4# |



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 6.052 ng

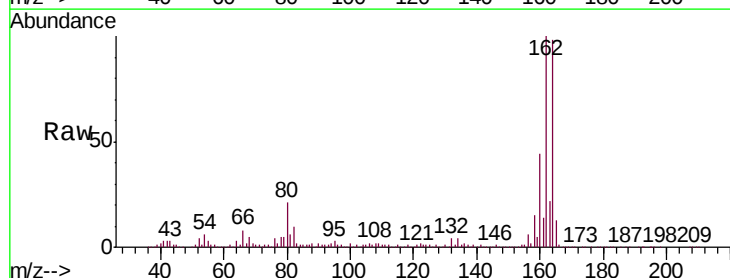
RT: 14.59 min Scan# 1958

Delta R.T. -0.36 min

Lab File: BG043900.D

Acq: 3 Jan 2020 23:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 53649 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 3.1   | 31.9  | 47.9# |
| 89       | 2.9   | 53.8  | 80.6# |
| 182      | 2.1   | 2.0   | 3.0   |

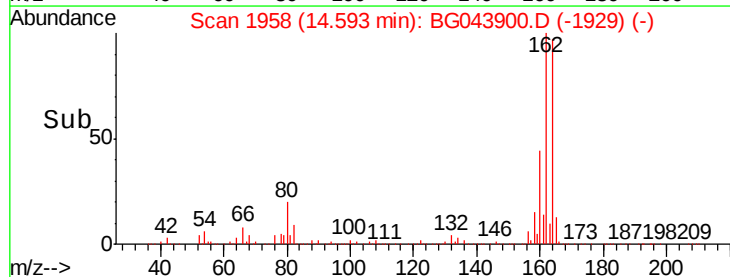
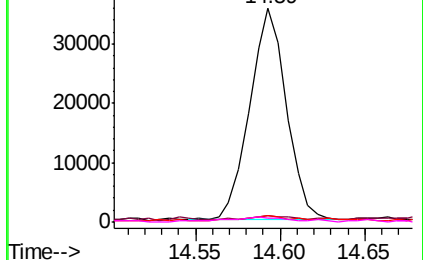


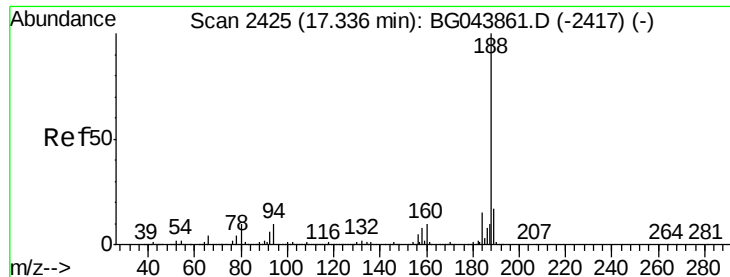
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

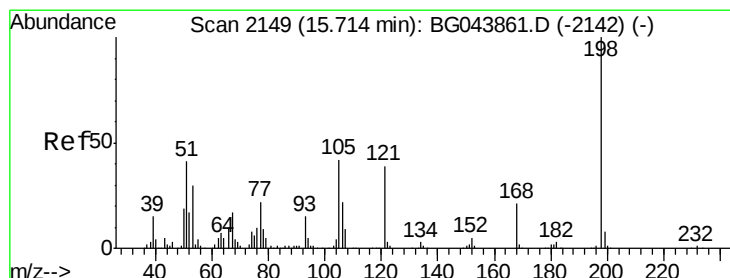
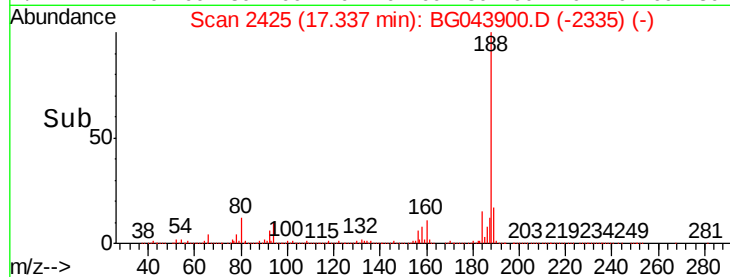
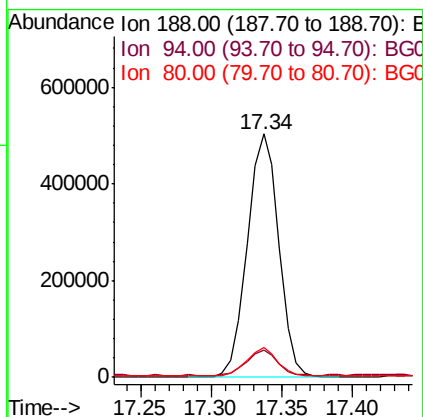
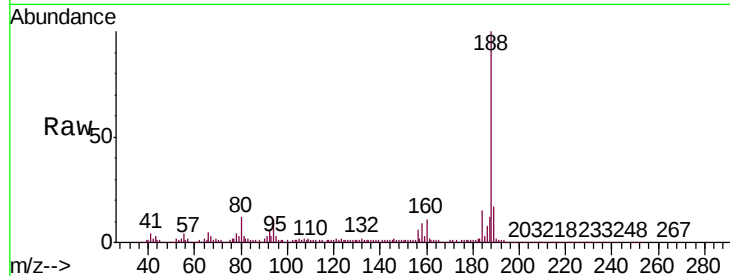
Ion 182.00 (181.70 to 182.70): E





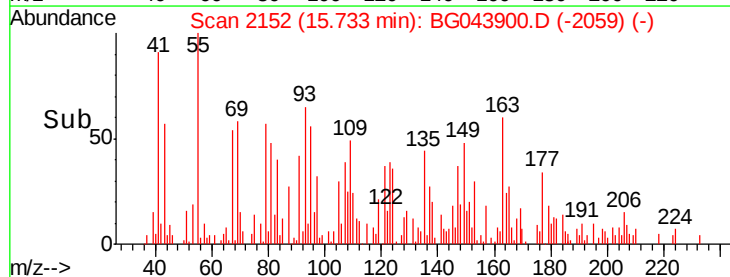
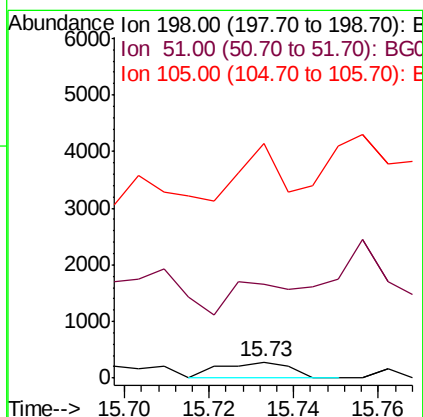
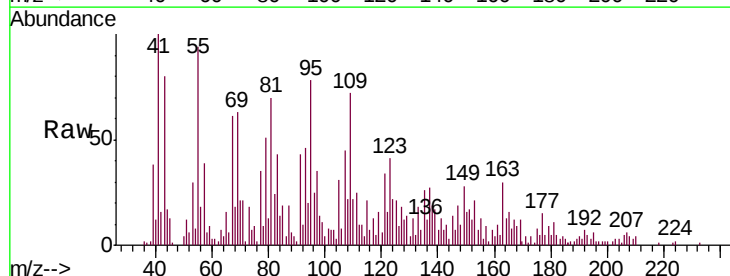
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.34 min Scan# 2425  
Delta R.T. 0.00 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

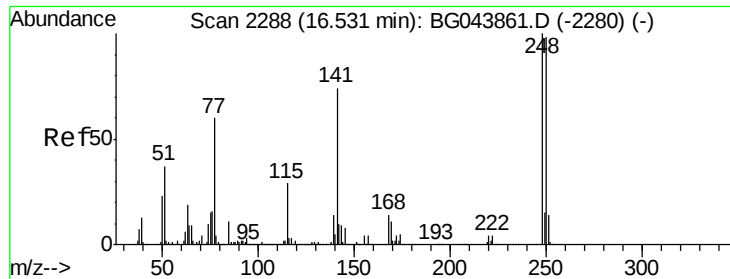
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 783981 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.3  | 7.9   | 11.9   |
| 80       | 12.2  | 8.2   | 12.4   |



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.461 ng  
RT: 15.73 min Scan# 2152  
Delta R.T. 0.02 min  
Lab File: BG043900.D  
Acq: 3 Jan 2020 23:11

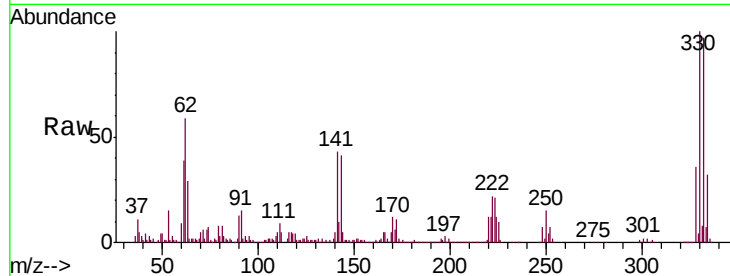
|          |        |       |       |
|----------|--------|-------|-------|
| Tgt Ion: | 198    | Resp: | 315   |
| Ion      | Ratio  | Lower | Upper |
| 198      | 100    |       |       |
| 51       | 583.5  | 22.5  | 62.5# |
| 105      | 1462.3 | 22.3  | 62.3# |



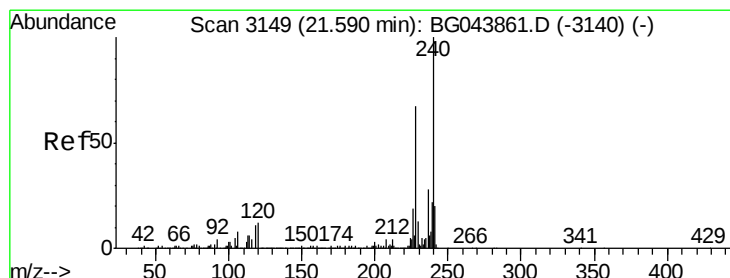
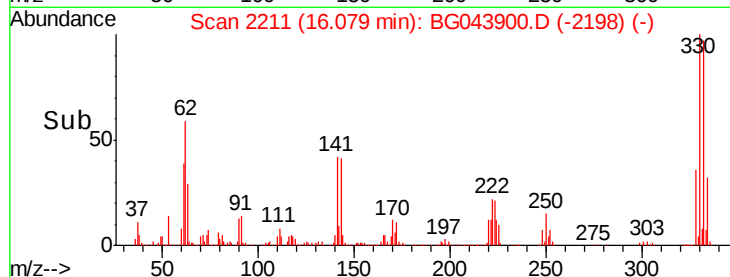
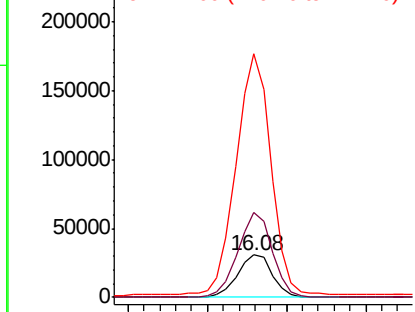


#67  
 4-Bromophenyl-phenylether  
 Concen: 5.314 ng  
 RT: 16.08 min Scan# 2211  
 Delta R.T. -0.45 min  
 Lab File: BG043900.D  
 Acq: 3 Jan 2020 23:11

Tgt Ion: 248 Resp: 46856  
 Ion Ratio Lower Upper  
 248 100  
 250 199.1 78.2 117.2#  
 141 575.1 59.3 88.9#

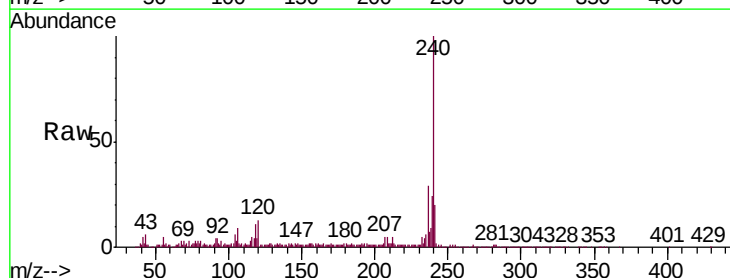


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

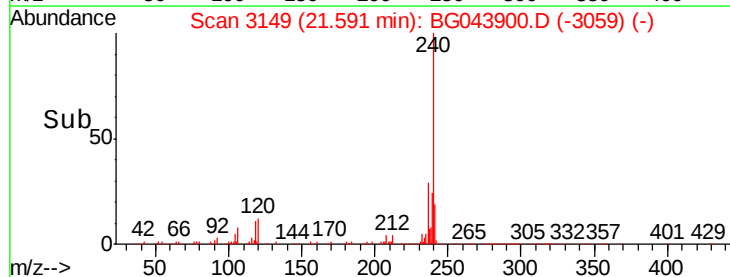
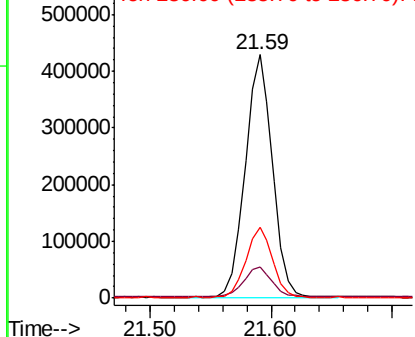


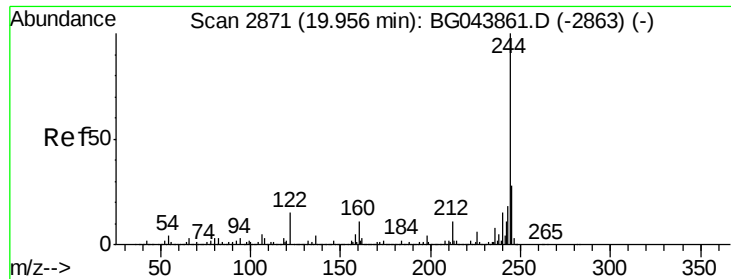
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.59 min Scan# 3149  
 Delta R.T. 0.00 min  
 Lab File: BG043900.D  
 Acq: 3 Jan 2020 23:11

Tgt Ion: 240 Resp: 667935  
 Ion Ratio Lower Upper  
 240 100  
 120 12.6 9.6 14.4  
 236 29.0 22.2 33.2



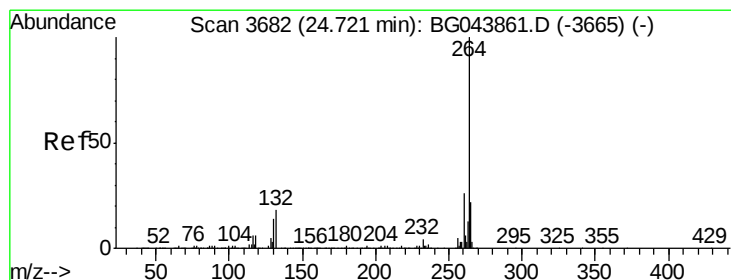
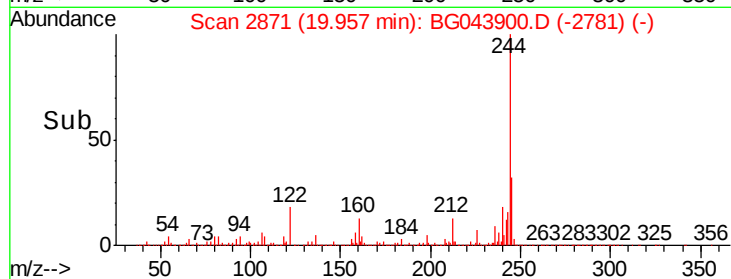
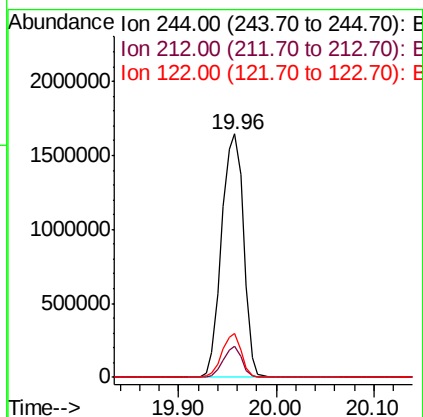
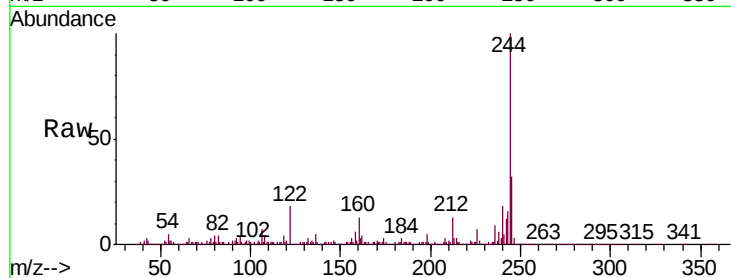
Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#79  
 Terphenyl-d14  
 Concen: 95.525 ng  
 RT: 19.96 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: BG043900.D  
 Acq: 3 Jan 2020 23:11

Tgt Ion:244 Resp: 2563225  
 Ion Ratio Lower Upper  
 244 100  
 212 12.8 8.6 13.0  
 122 17.8 11.9 17.9



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.72 min Scan# 3682  
 Delta R.T. 0.00 min  
 Lab File: BG043900.D  
 Acq: 3 Jan 2020 23:11

Tgt Ion:264 Resp: 769408  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 20.4 30.6  
 265 22.3 17.4 26.2

