

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\  
 Data File : BG044399.D  
 Acq On : 11 Feb 2020 21:51  
 Operator : CG/JU  
 Sample : L1373-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-021020

Quant Time: Feb 12 03:07:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

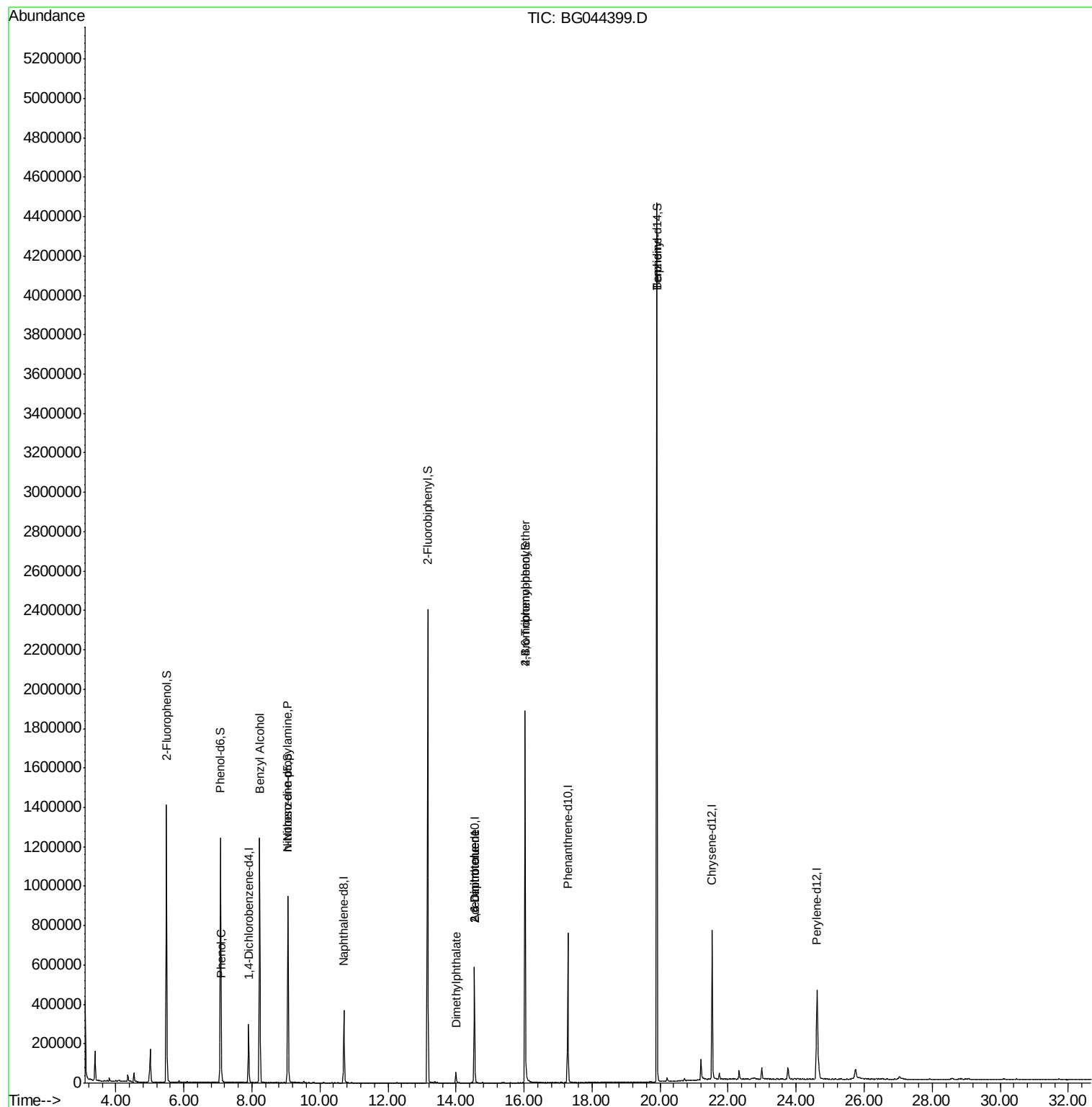
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.90  | 152  | 86502    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.70 | 136  | 343069   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.54 | 164  | 214975   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.29 | 188  | 478173   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.53 | 240  | 459728   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.62 | 264  | 470406   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 680672   | 138.87 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.08  | 99   | 796140   | 120.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.06  | 82   | 609113   | 100.24 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.03 | 330  | 383103   | 151.80 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.17 | 172  | 1318197  | 102.68 | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.91 | 244  | 2055211  | 91.95  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.10  | 94   | 13715    | 2.106  | ng    | 73       |
| 15) Benzyl Alcohol             | 8.23  | 79   | 9854     | 2.115  | ng    | # 46     |
| 19) n-Nitroso-di-n-propylamine | 9.06  | 70   | 80835    | 18.428 | ng    | # 74     |
| 50) Dimethylphthalate          | 14.00 | 163  | 44674    | 2.891  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.54 | 165  | 28435    | 8.253  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene         | 14.54 | 165  | 28435    | 5.888  | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248  | 27003    | 5.183  | ng    | # 1      |
| 77) Benzidine                  | 19.91 | 184  | 36375    | 2.853  | ng    | # 93     |

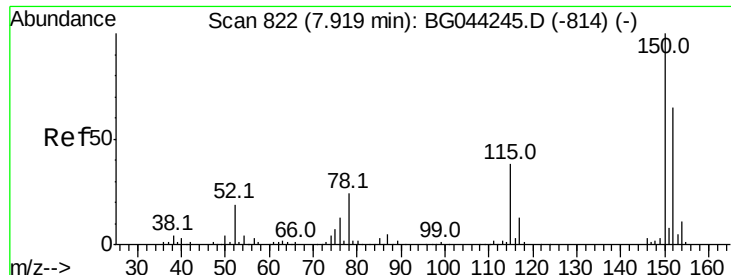
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
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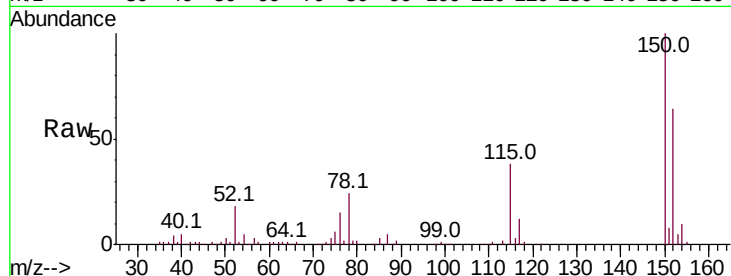


#1

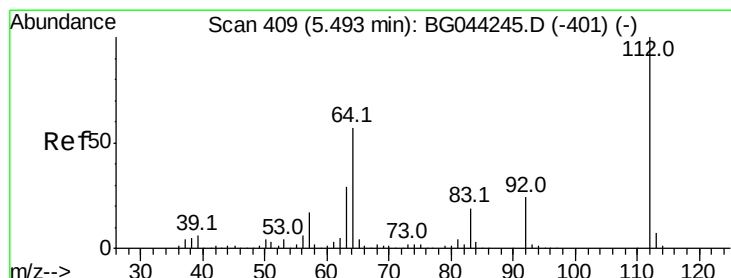
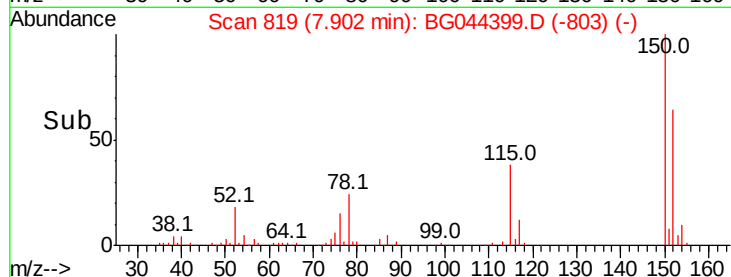
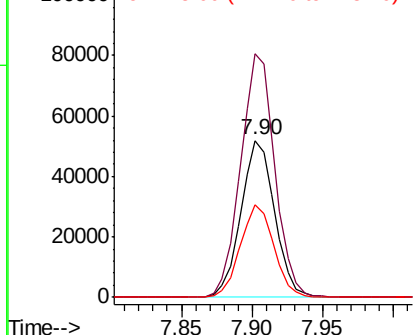
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.90 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BG044399.D  
 Acq: 11 Feb 2020 21:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-021020

Tot Ion:152 Resp: 86502  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 122.6 183.8  
 115 59.0 46.0 69.0



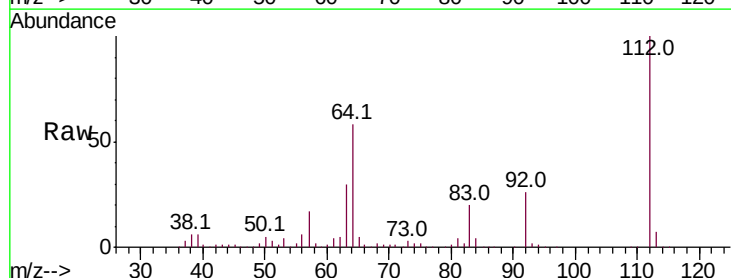
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



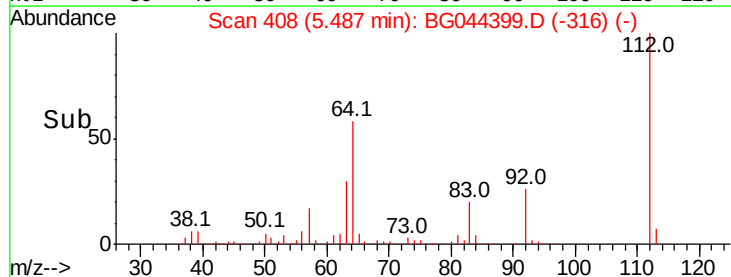
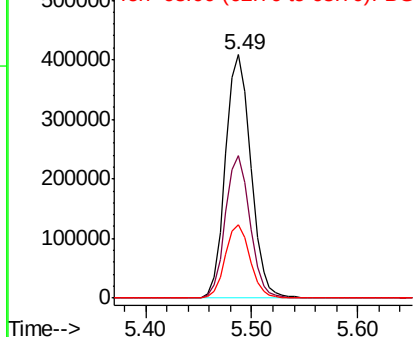
#5

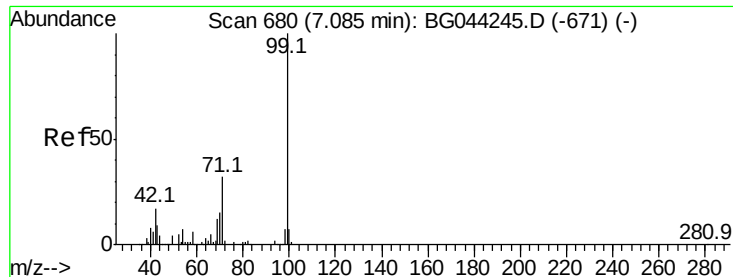
2-Fluorophenol  
 Concen: 138.873 ng  
 RT: 5.49 min Scan# 408  
 Delta R.T. 0.01 min  
 Lab File: BG044399.D  
 Acq: 11 Feb 2020 21:51

Tgt Ion:112 Resp: 680672  
 Ion Ratio Lower Upper  
 112 100  
 64 58.4 45.4 68.2  
 63 30.3 22.9 34.3



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: 120.960 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044399.D

Acq: 11 Feb 2020 21:51

Instrument :

BNA\_G

ClientSampleId :

TR-05-021020

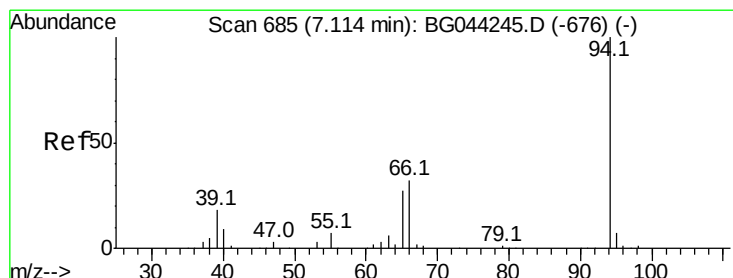
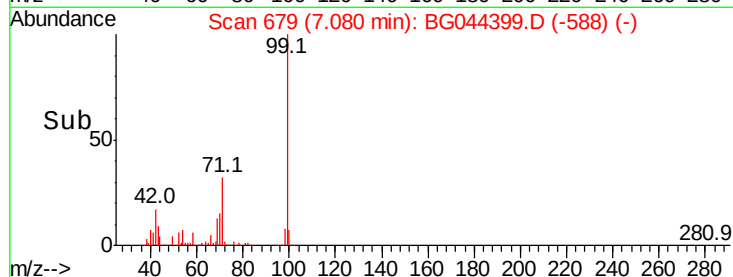
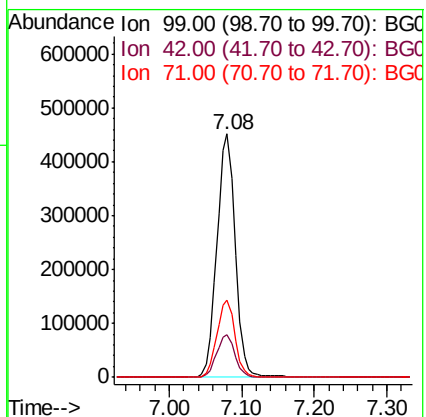
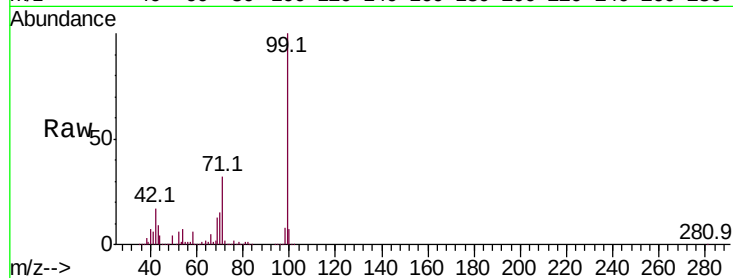
Tot Ion: 99 Resp: 796140

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

71 31.5 25.5 38.3



#10

Phenol

Concen: 2.106 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044399.D

Acq: 11 Feb 2020 21:51

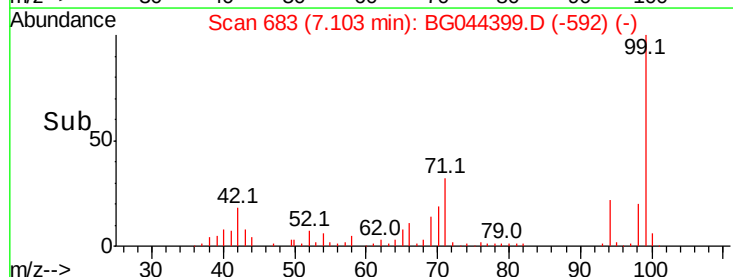
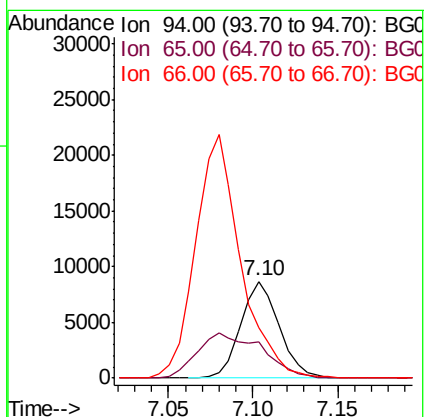
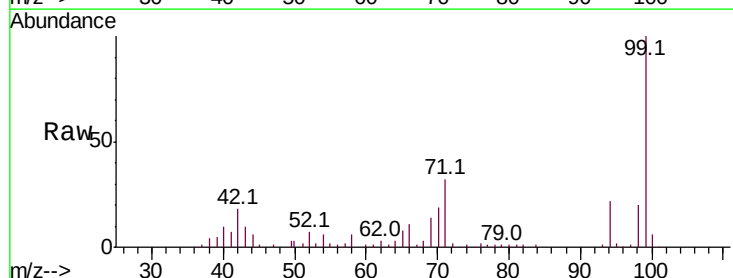
Tgt Ion: 94 Resp: 13715

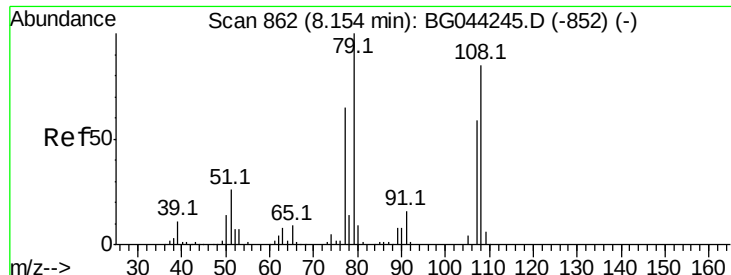
Ion Ratio Lower Upper

94 100

65 37.2 7.0 47.0

66 51.7 12.7 52.7





#15

Benzyl Alcohol

Concen: 2.115 ng

RT: 8.23 min Scan# 874

Delta R.T. 0.08 min

Lab File: BG044399.D

Acq: 11 Feb 2020 21:51

Instrument :

BNA\_G

ClientSampleId :

TR-05-021020

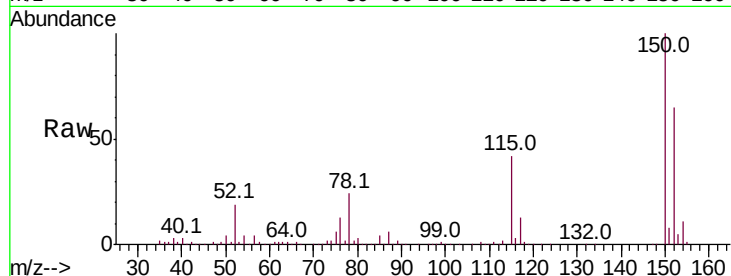
Tot Ion: 79 Resp: 9854

Ion Ratio Lower Upper

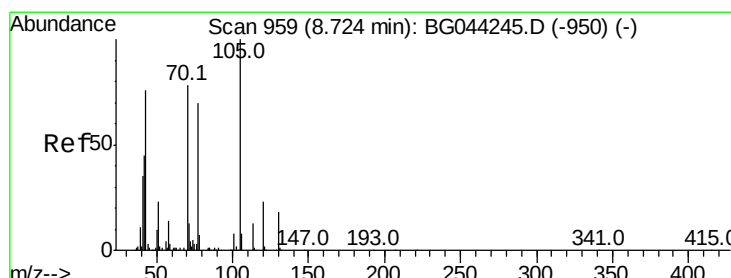
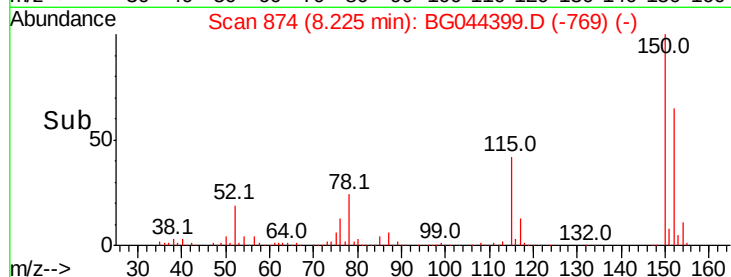
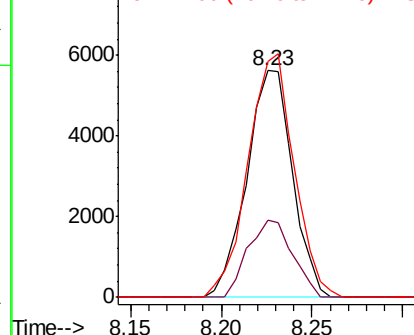
79 100

108 33.9 68.3 102.5#

77 104.0 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.428 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044399.D

Acq: 11 Feb 2020 21:51

Tgt Ion: 70 Resp: 80835

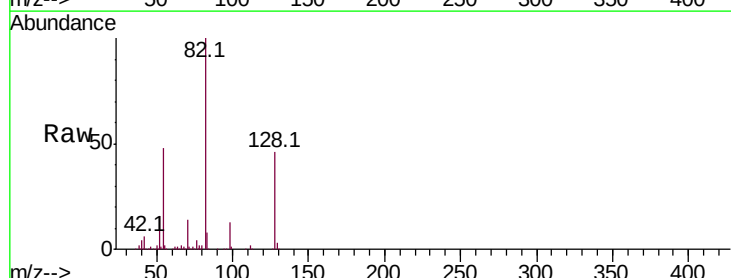
Ion Ratio Lower Upper

70 100

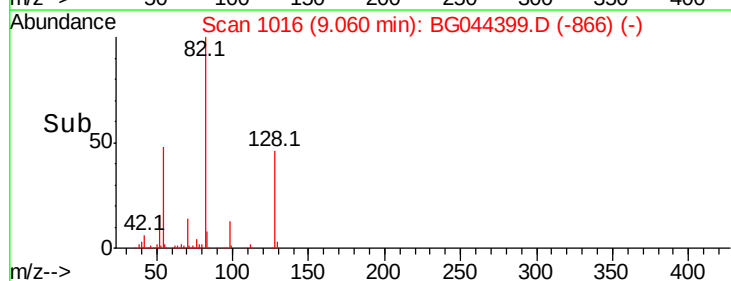
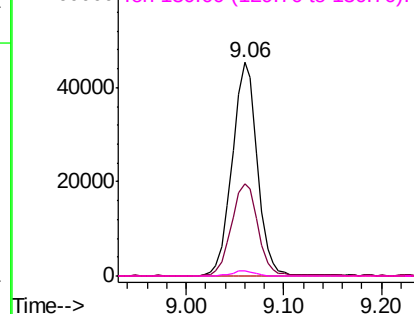
42 43.4 46.2 69.2#

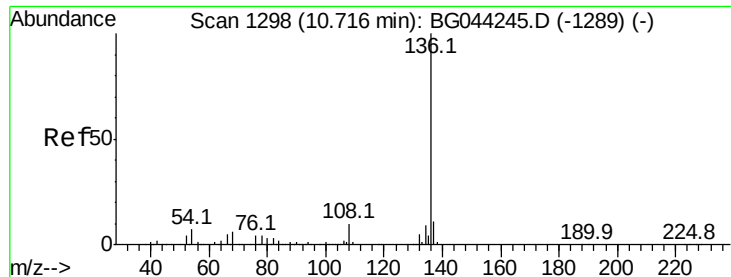
101 0.0 8.4 12.6#

130 2.3 17.8 26.8#



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

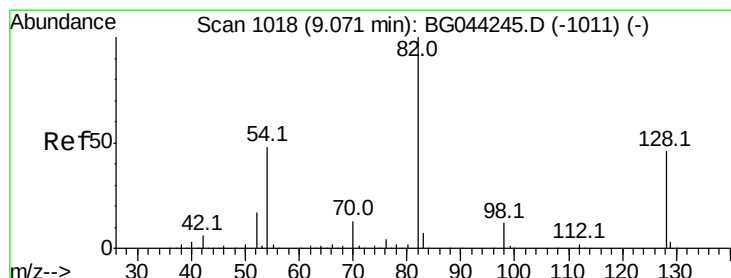
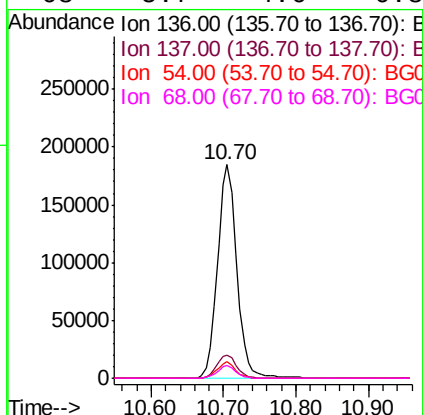
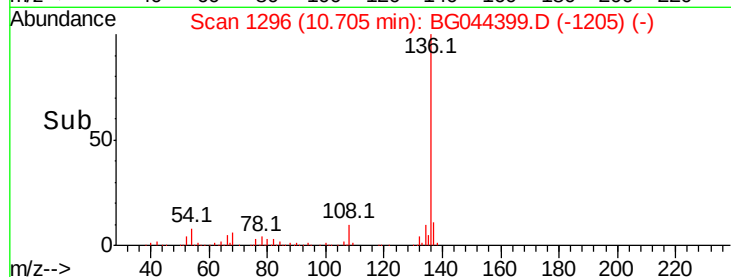
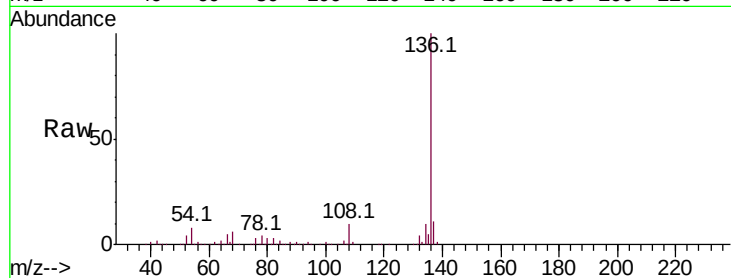




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.70 min Scan# 1296  
Delta R.T. 0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

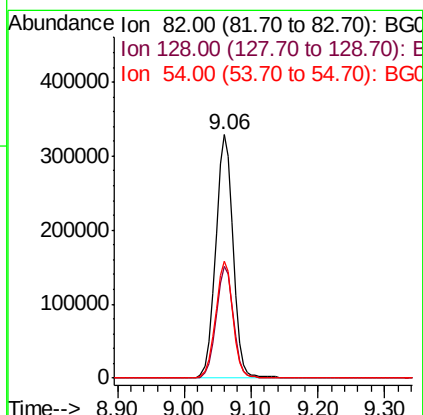
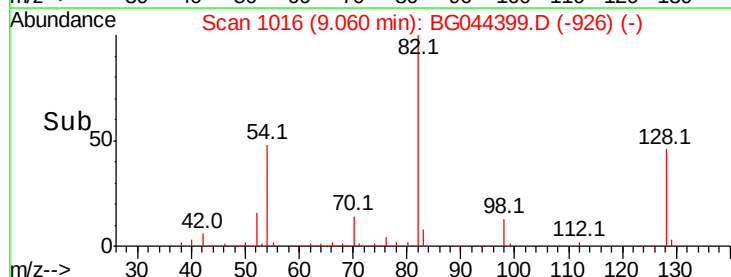
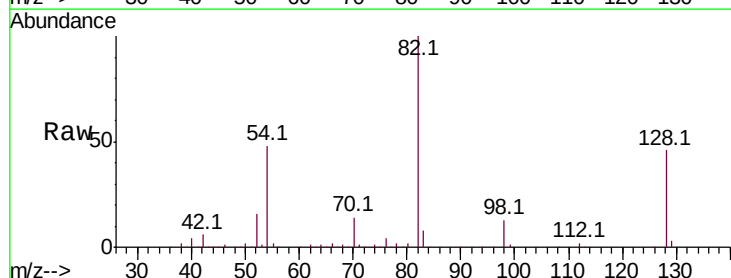
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-021020

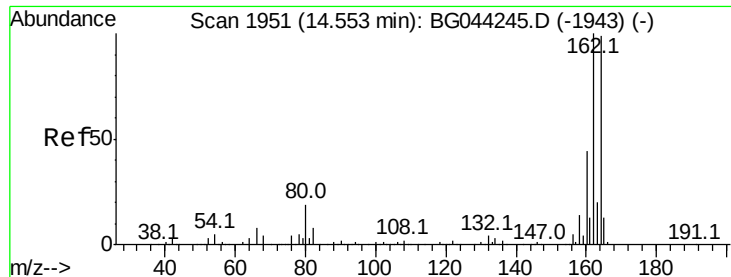
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 343069 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.8   | 13.2   |
| 54       | 7.6   | 5.8   | 8.8    |
| 68       | 5.7   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 100.237 ng  
RT: 9.06 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 609113 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.9  | 36.5  | 54.7   |
| 54       | 48.1  | 38.6  | 58.0   |

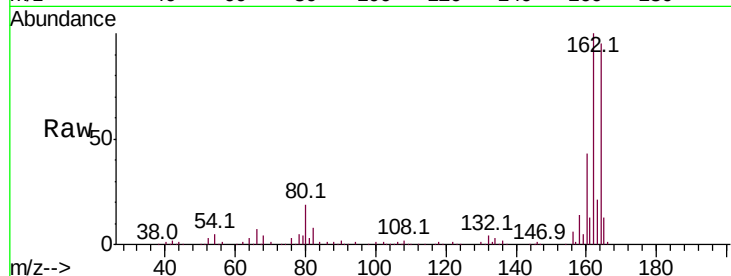




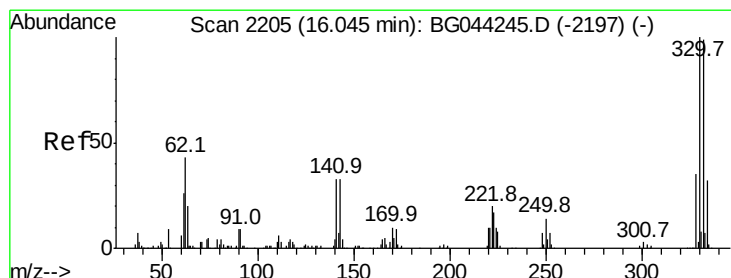
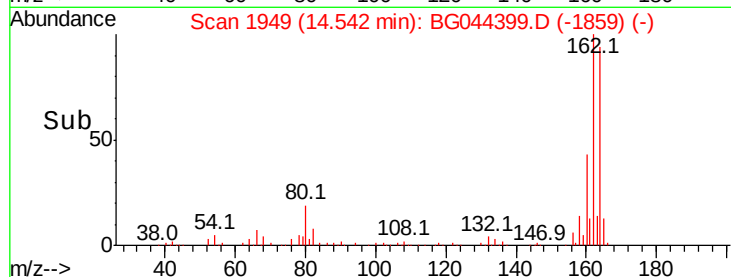
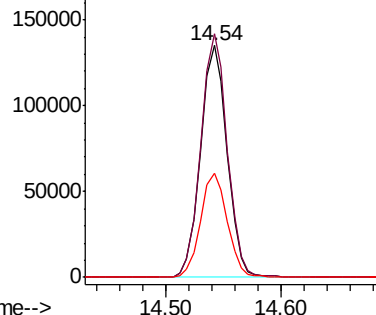
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.54 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-021020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.2 | 80.7  | 121.1 |
| 160     | 44.7  | 35.3  | 52.9  |

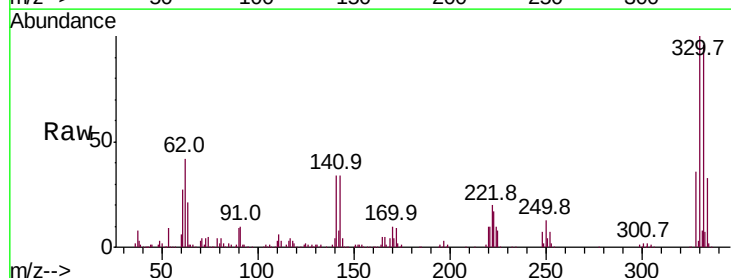


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

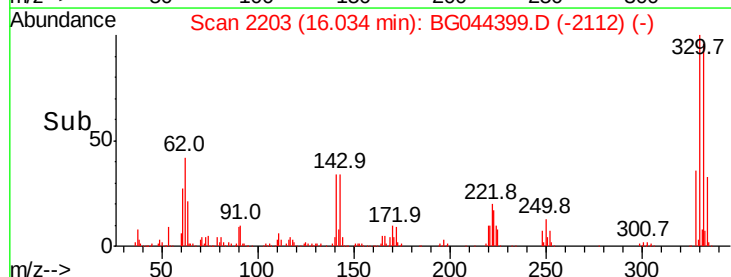
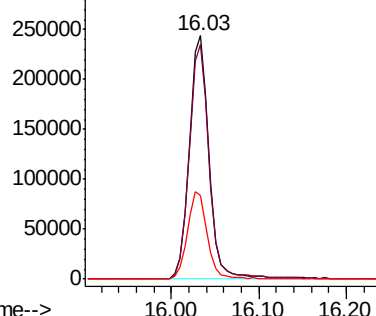


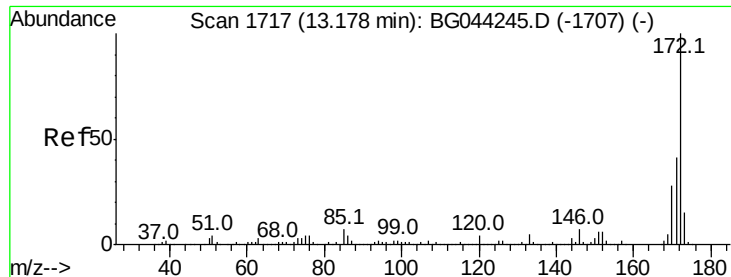
#42  
2,4,6-Tribromophenol  
Concen: 151.803 ng  
RT: 16.03 min Scan# 2203  
Delta R.T. 0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.2  | 115.8 |
| 141     | 36.4  | 28.3  | 42.5  |



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

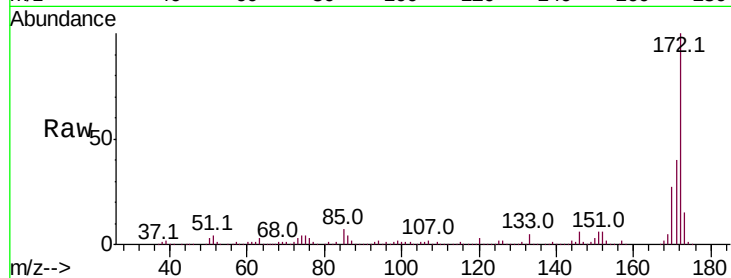




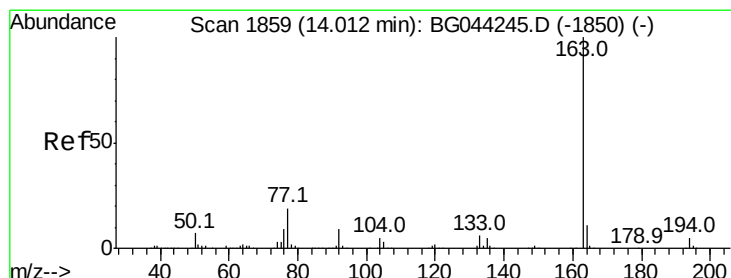
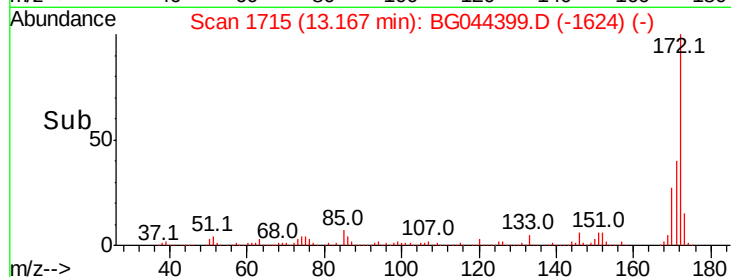
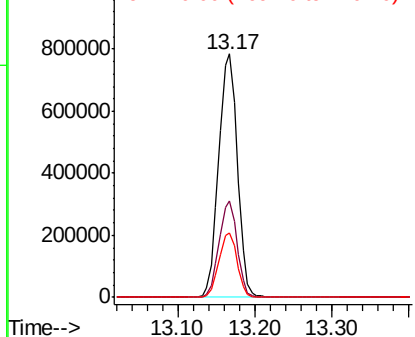
#45  
2-Fluorobiphenyl  
Concen: 102.681 ng  
RT: 13.17 min Scan# 1715  
Delta R.T. 0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-021020

Tot Ion:172 Resp: 1318197  
Ion Ratio Lower Upper  
172 100  
171 39.5 32.9 49.3  
170 26.6 22.0 33.0

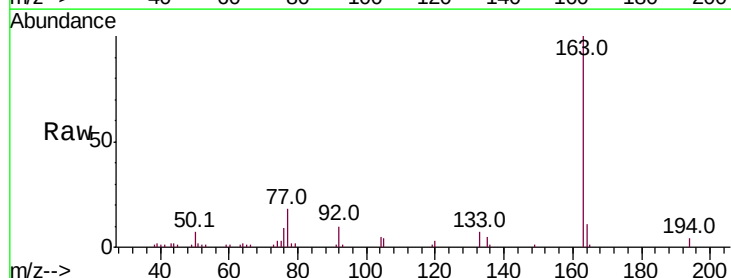


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

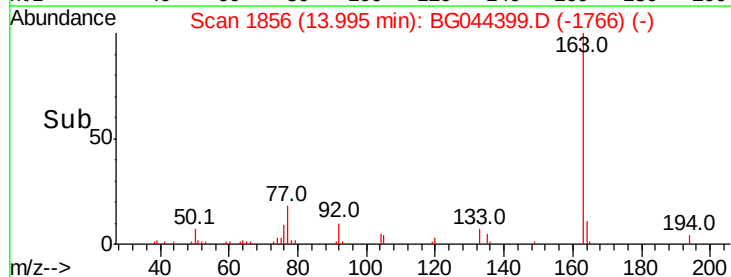
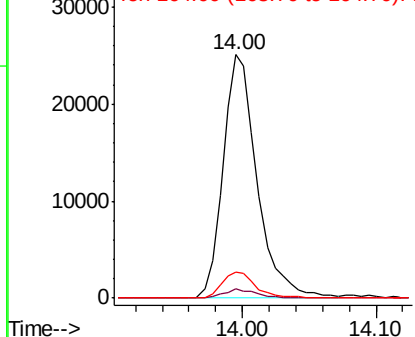


#50  
Dimethylphthalate  
Concen: 2.891 ng  
RT: 14.00 min Scan# 1856  
Delta R.T. -0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

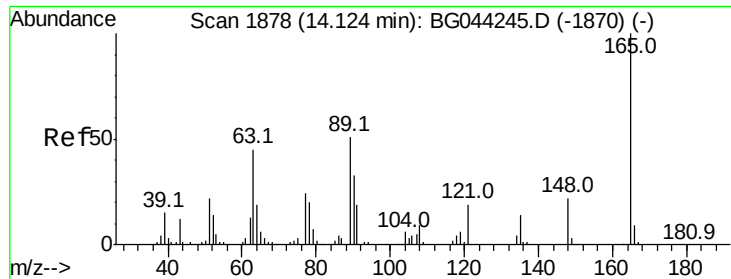
Tgt Ion:163 Resp: 44674  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.6 5.4  
164 10.8 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



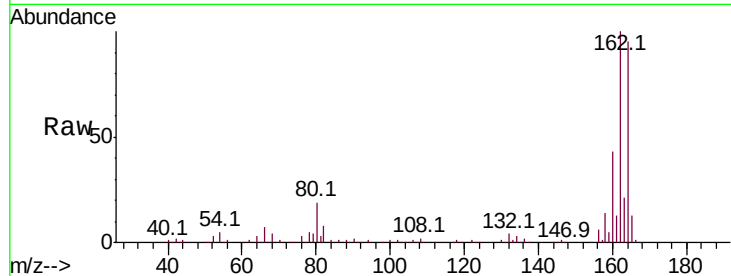




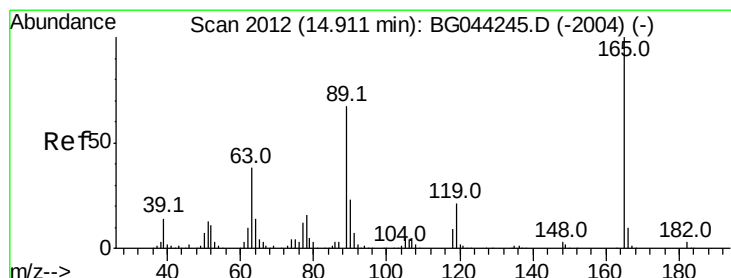
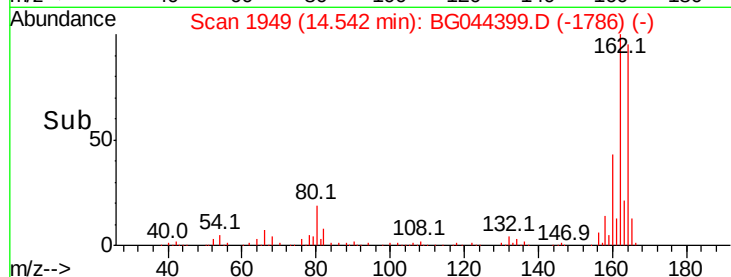
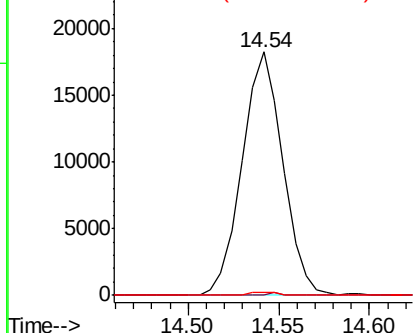
#51  
 2,6-Dinitrotoluene  
 Concen: 8.253 ng  
 RT: 14.54 min Scan# 1949  
 Delta R.T. 0.43 min  
 Lab File: BG044399.D  
 Acq: 11 Feb 2020 21:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-021020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 38.7  | 58.1# |
| 89      | 1.3   | 40.4  | 60.6# |

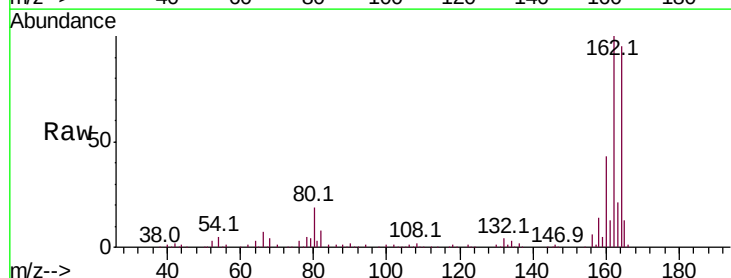


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

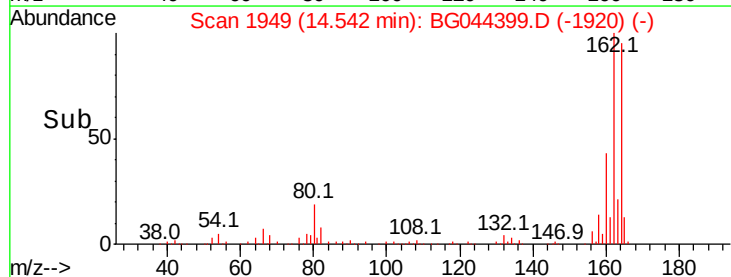
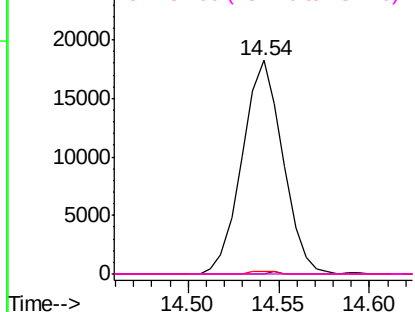


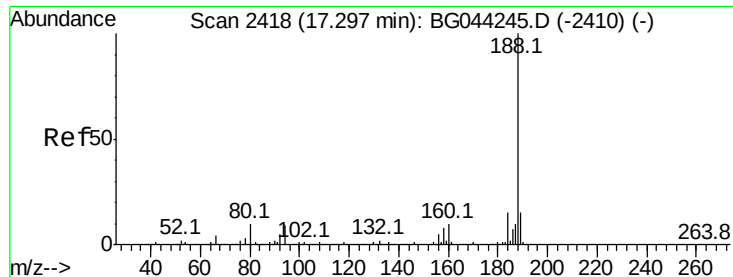
#57  
 2,4-Dinitrotoluene  
 Concen: 5.888 ng  
 RT: 14.54 min Scan# 1949  
 Delta R.T. -0.36 min  
 Lab File: BG044399.D  
 Acq: 11 Feb 2020 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 30.3  | 45.5# |
| 89      | 1.3   | 53.4  | 80.2# |
| 182     | 0.0   | 2.1   | 3.1#  |



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

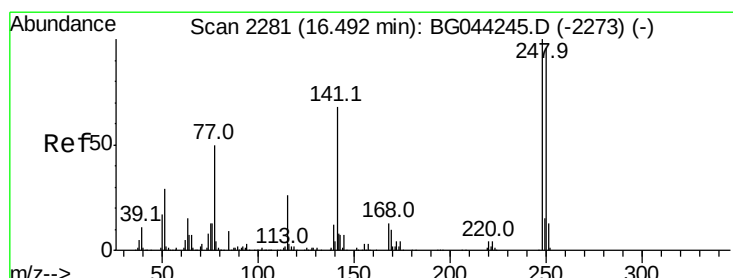
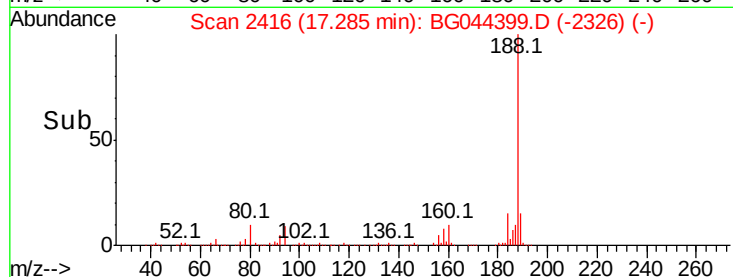
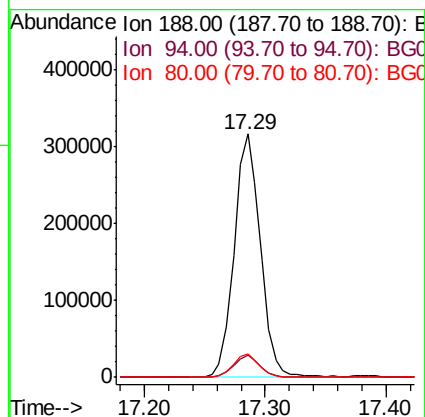
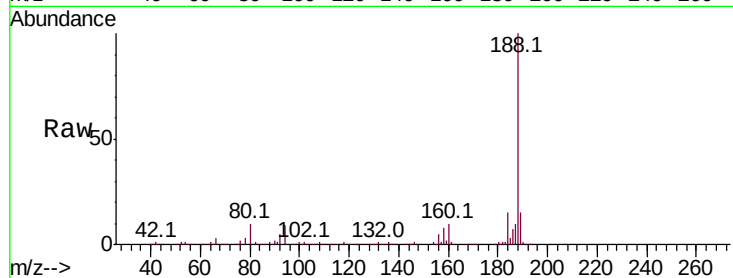




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.29 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

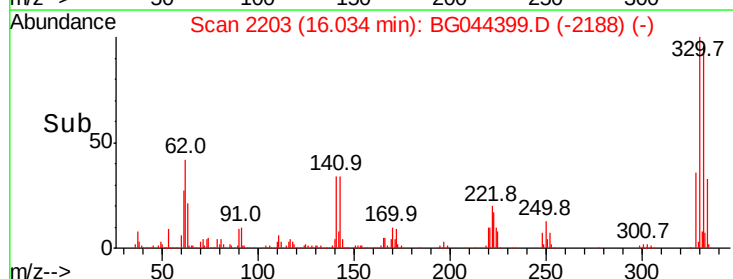
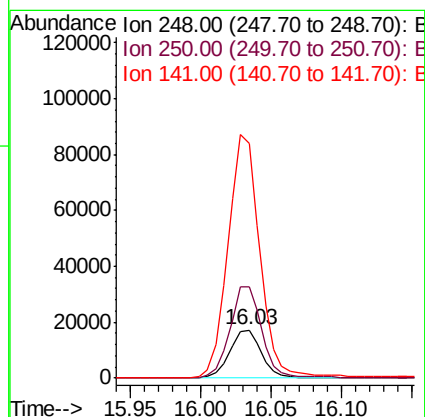
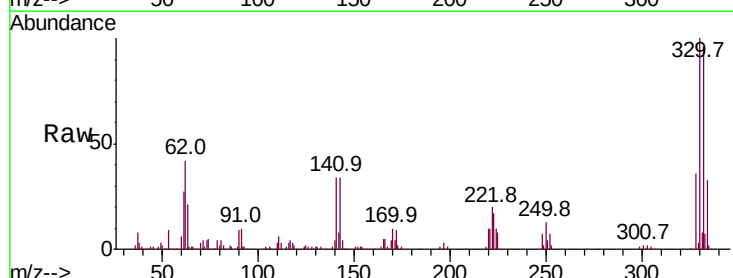
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-021020

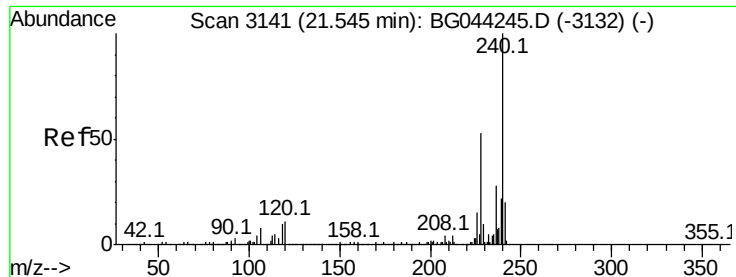
Tot Ion:188 Resp: 478173  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.4 11.2  
80 9.5 7.7 11.5



#67  
4-Bromophenyl-phenylether  
Concen: 5.183 ng  
RT: 16.03 min Scan# 2203  
Delta R.T. -0.44 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

Tgt Ion:248 Resp: 27003  
Ion Ratio Lower Upper  
248 100  
250 190.7 76.6 114.8#  
141 486.7 54.7 82.1#

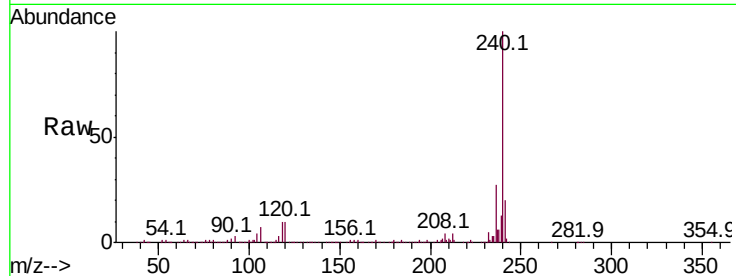




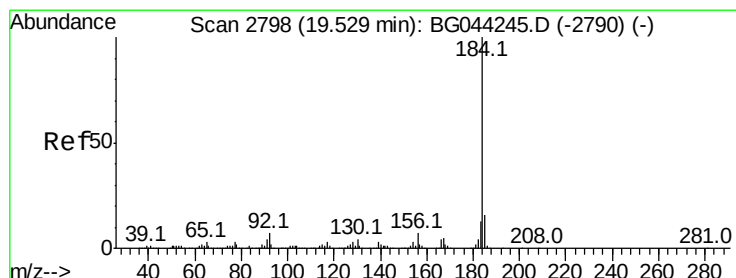
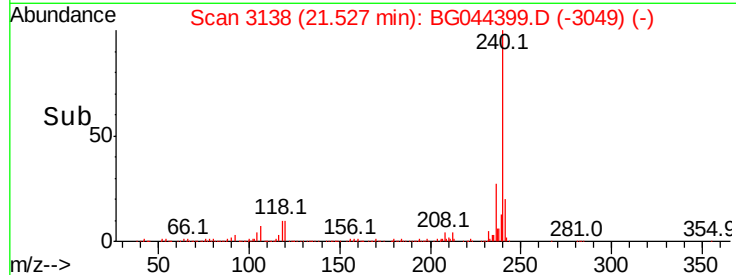
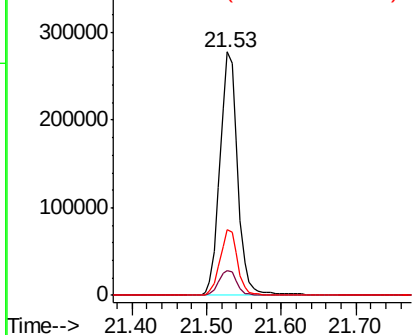
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.53 min Scan# 3138  
Delta R.T. -0.01 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-021020

Tot Ion:240 Resp: 459728  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.4 12.6  
236 26.8 22.1 33.1

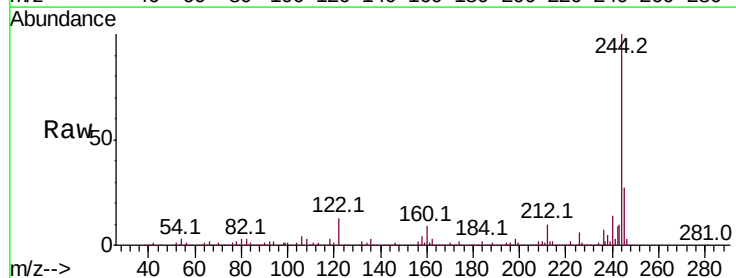


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

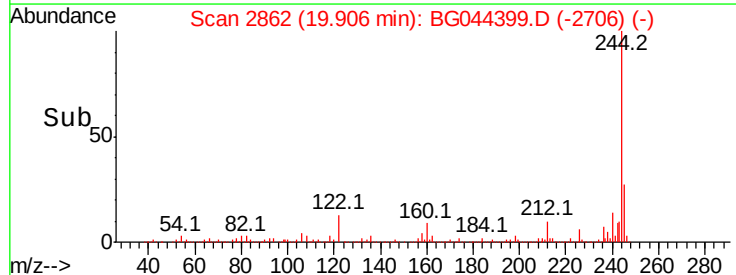
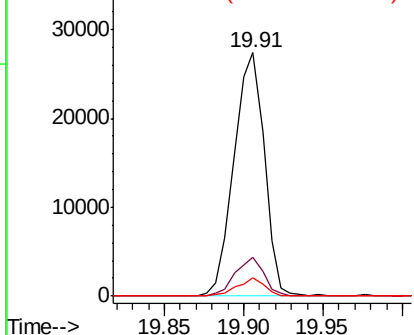


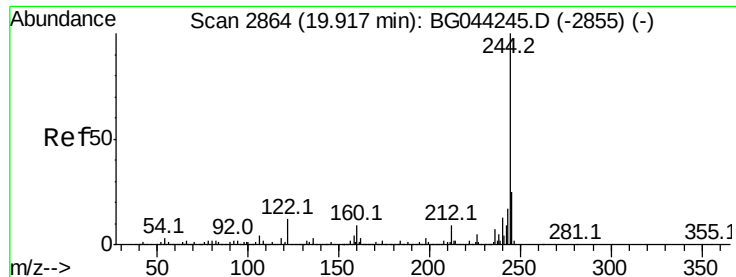
#77  
Benzidine  
Concen: 2.853 ng  
RT: 19.91 min Scan# 2862  
Delta R.T. 0.38 min  
Lab File: BG044399.D  
Acq: 11 Feb 2020 21:51

Tgt Ion:184 Resp: 36375  
Ion Ratio Lower Upper  
184 100  
185 15.7 12.9 19.3  
183 7.4 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

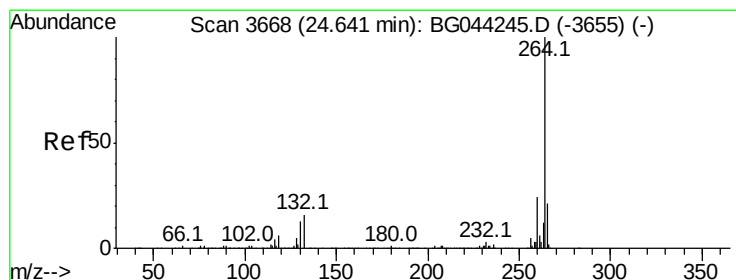
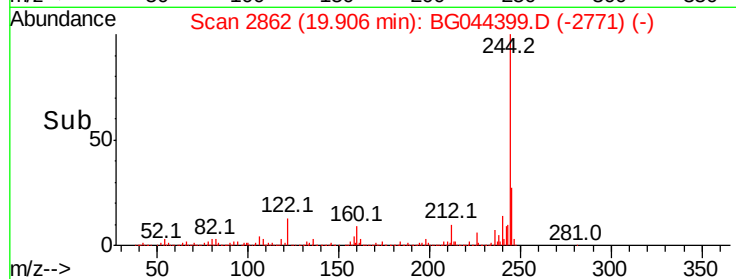
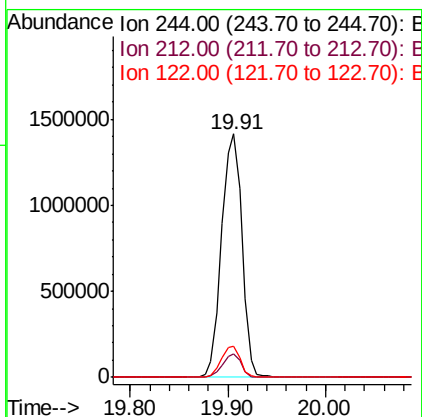
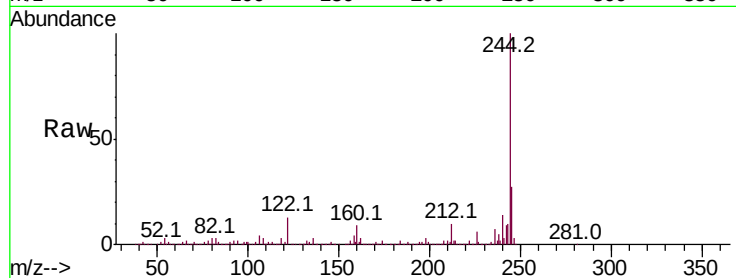




#79  
 Terphenyl-d14  
 Concen: 91.952 ng  
 RT: 19.91 min Scan# 2862  
 Delta R.T. 0.00 min  
 Lab File: BG044399.D  
 Acq: 11 Feb 2020 21:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-021020

Tot Ion:244 Resp: 2055211  
 Ion Ratio Lower Upper  
 244 100  
 212 9.8 7.4 11.2  
 122 12.7 9.8 14.6



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.62 min Scan# 3664  
 Delta R.T. -0.00 min  
 Lab File: BG044399.D  
 Acq: 11 Feb 2020 21:51

Tgt Ion:264 Resp: 470406  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.2  
 265 21.6 16.7 25.1

