

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG012519\  
 Data File : BG039300.D  
 Acq On : 26 Jan 2019 7:08  
 Operator : JU/SJ  
 Sample : K1238-40  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S4

Quant Time: Jan 28 03:17:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 04:20:14 2019  
 Response via : Initial Calibration

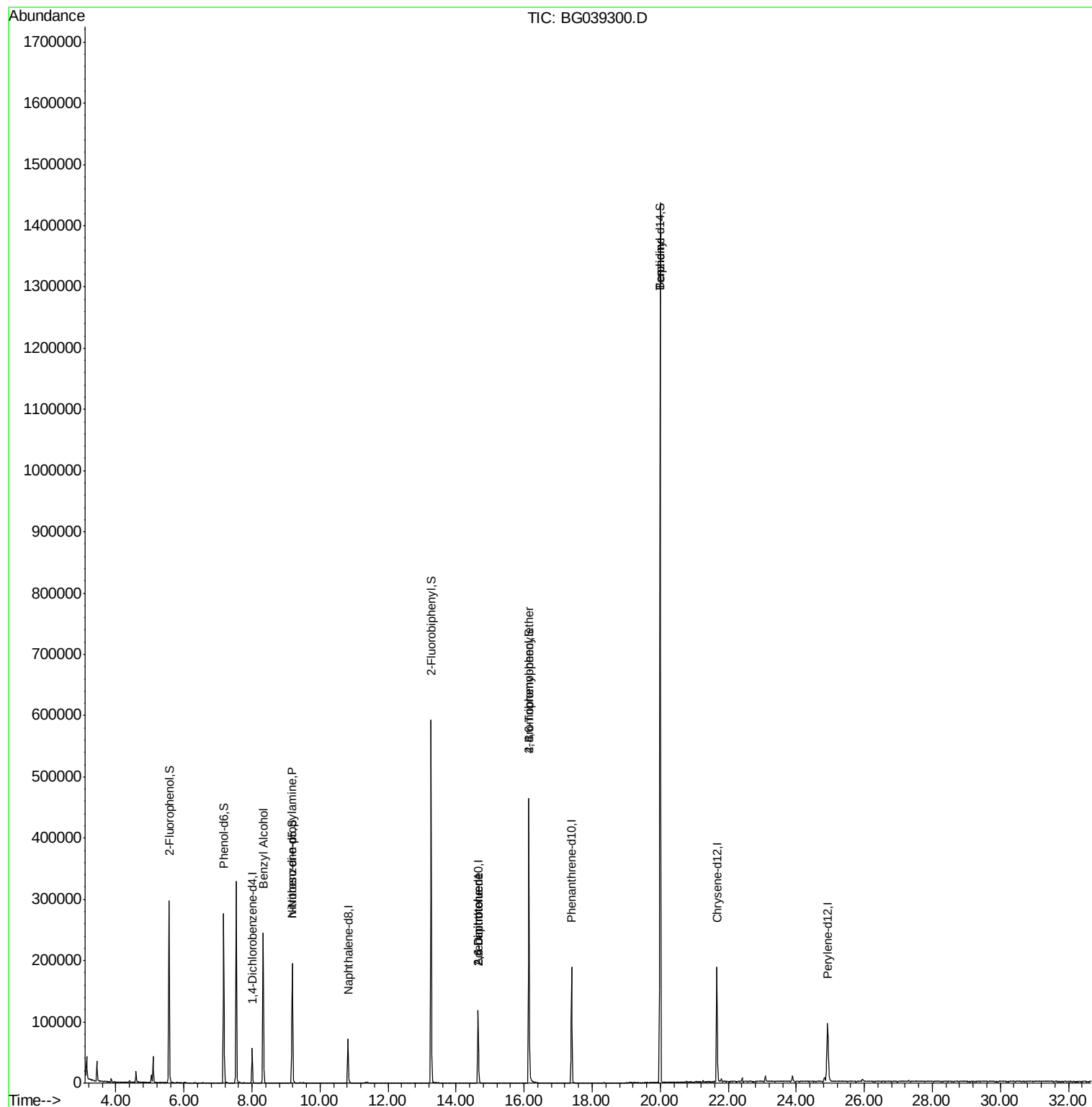
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.00  | 152  | 17209    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.82 | 136  | 68737    | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.64 | 164  | 45412    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.39 | 188  | 126712   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.67 | 240  | 129653   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 24.92 | 264  | 130157   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 136374   | 150.33 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.16  | 99   | 171615   | 131.45 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 124353   | 98.99  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.14 | 330  | 104507   | 137.29 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.26 | 172  | 327467   | 98.69  | ng    | -0.01    |
| 79) Terphenyl-d14              | 20.00 | 244  | 727473   | 103.80 | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 8.32  | 79   | 1989     | 2.023  | ng    | # 47     |
| 19) n-Nitroso-di-n-propylamine | 9.18  | 70   | 16204    | 18.901 | ng    | # 68     |
| 51) 2,6-Dinitrotoluene         | 14.64 | 165  | 6066     | 7.070  | ng    | # 24     |
| 57) 2,4-Dinitrotoluene         | 14.64 | 165  | 6066     | 4.928  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 16.14 | 248  | 6876     | 4.221  | ng    | # 1      |
| 77) Benzidine                  | 20.00 | 184  | 11100    | 2.799  | ng    | # 93     |

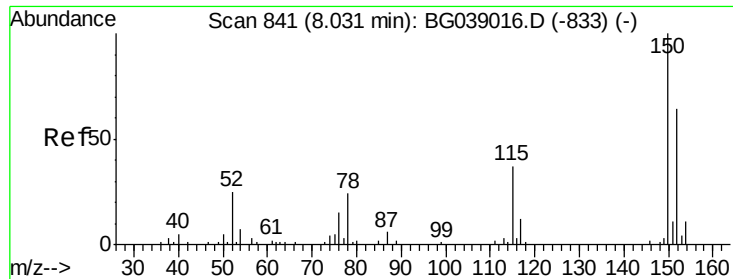
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 18 04:20:14 2019  
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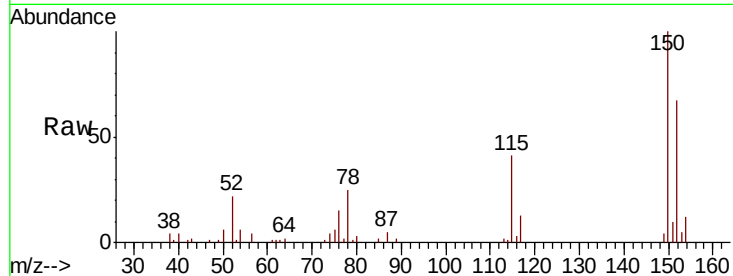


#1

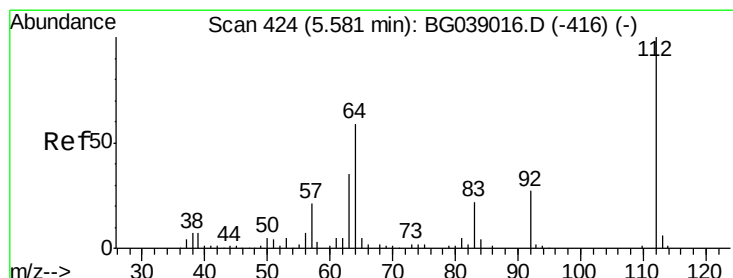
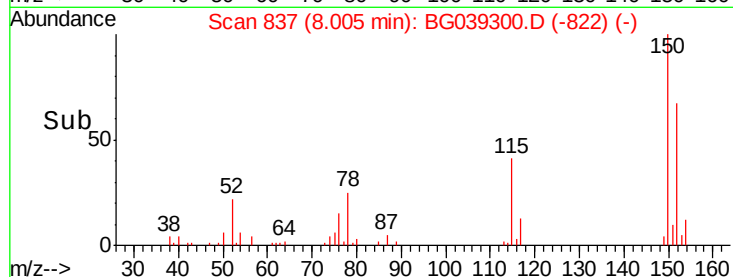
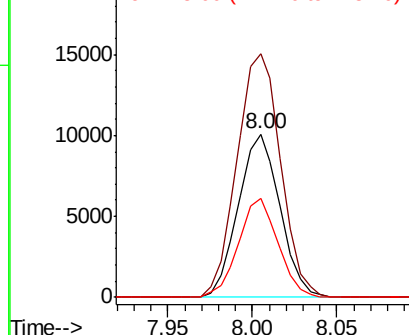
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 837  
Delta R.T. -0.01 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

Instrument :  
BNA\_G  
ClientSampleId :  
S4

Tgt Ion:152 Resp: 17209  
Ion Ratio Lower Upper  
152 100  
150 149.1 124.7 187.1  
115 60.5 46.5 69.7



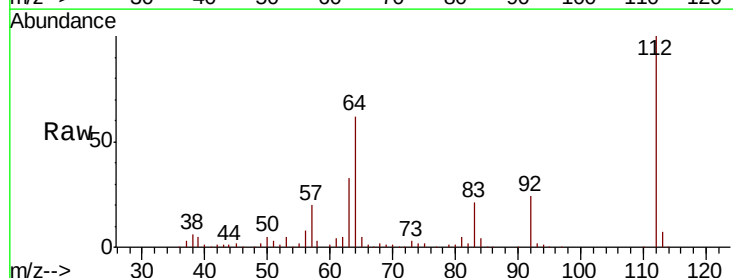
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



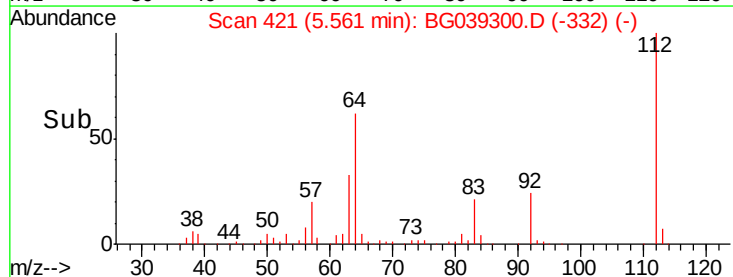
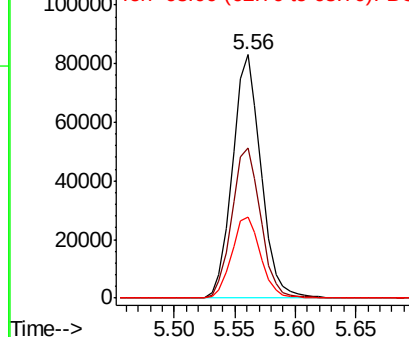
#5

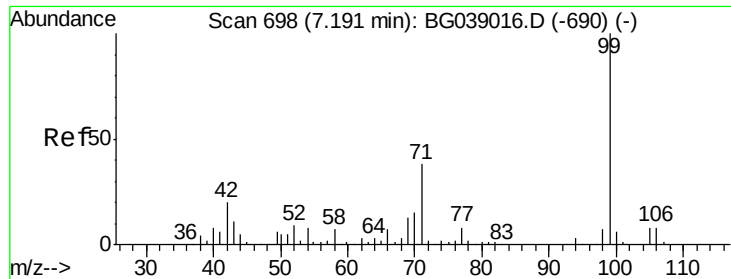
2-Fluorophenol  
Concen: 150.328 ng  
RT: 5.56 min Scan# 421  
Delta R.T. -0.00 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

Tgt Ion:112 Resp: 136374  
Ion Ratio Lower Upper  
112 100  
64 61.7 47.0 70.6  
63 33.1 28.0 42.0



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: 131.451 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039300.D

Acq: 26 Jan 2019 7:08

Instrument :

BNA\_G

ClientSampleId :

S4

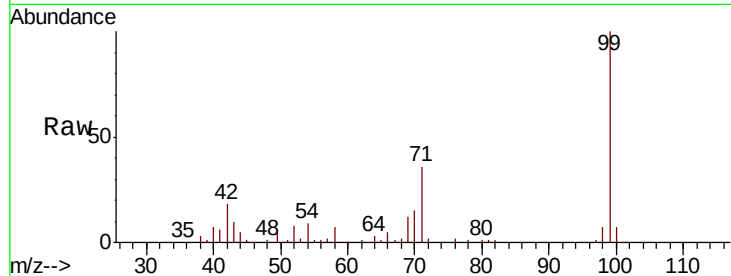
Tgt Ion: 99 Resp: 171615

Ion Ratio Lower Upper

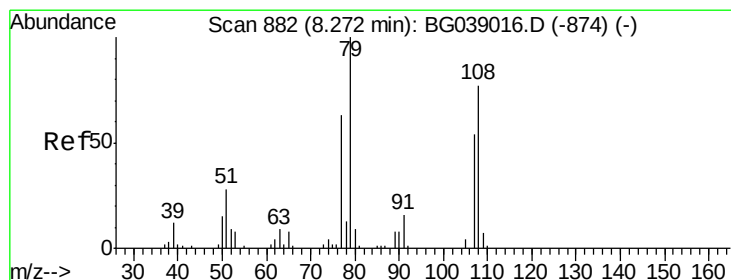
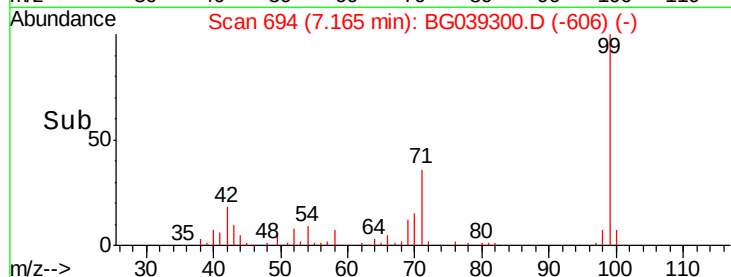
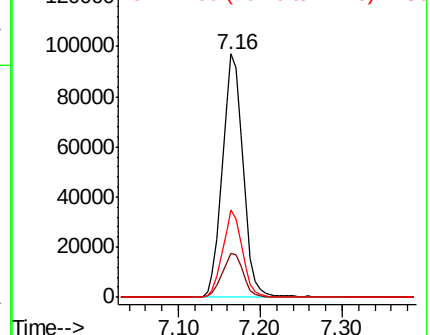
99 100

42 17.9 15.8 23.6

71 35.7 30.2 45.4



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



#15

Benzyl Alcohol

Concen: 2.023 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.06 min

Lab File: BG039300.D

Acq: 26 Jan 2019 7:08

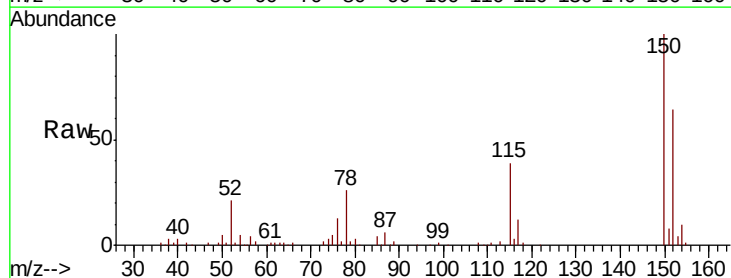
Tgt Ion: 79 Resp: 1989

Ion Ratio Lower Upper

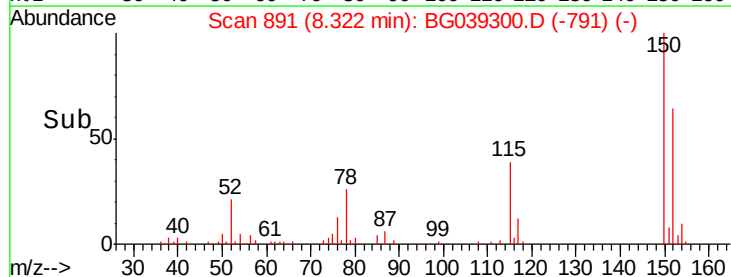
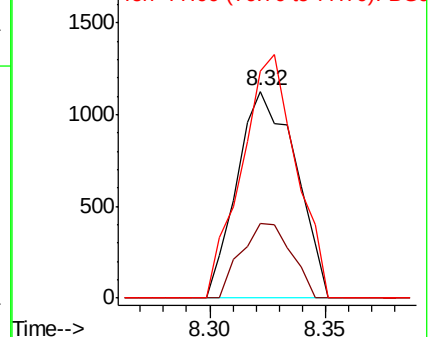
79 100

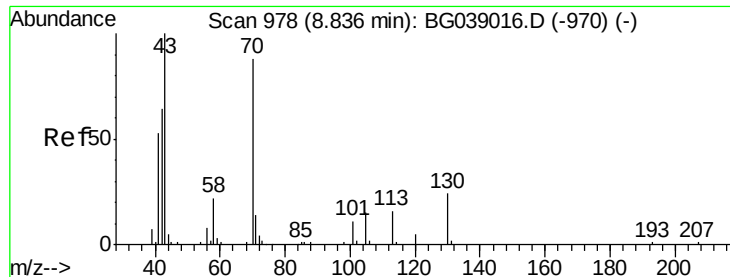
108 36.1 62.0 93.0#

77 109.5 50.1 75.1#



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

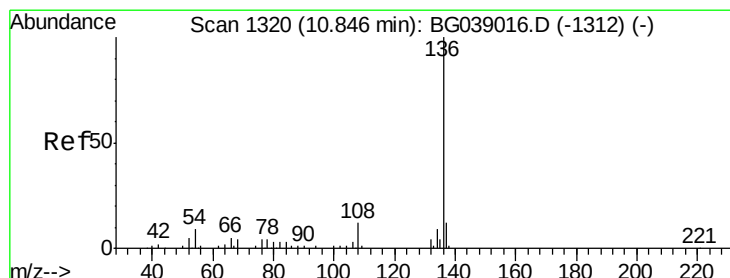
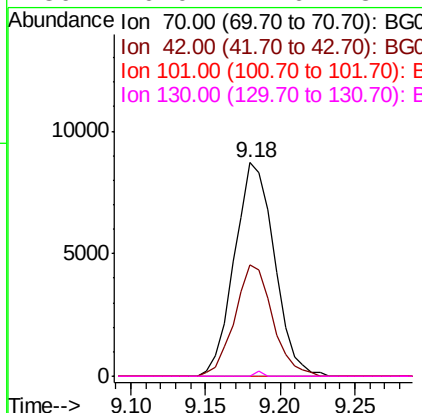
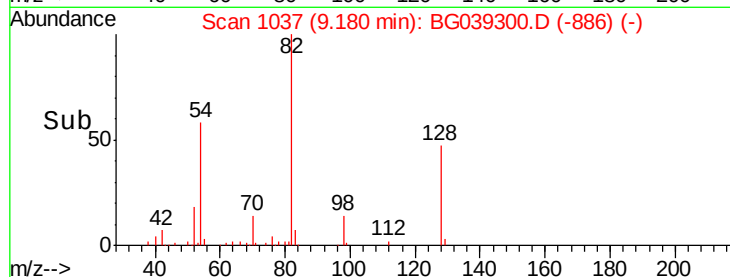
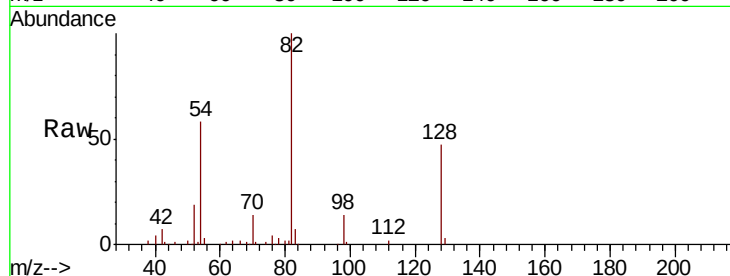




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.901 ng  
RT: 9.18 min Scan# 1037  
Delta R.T. 0.36 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

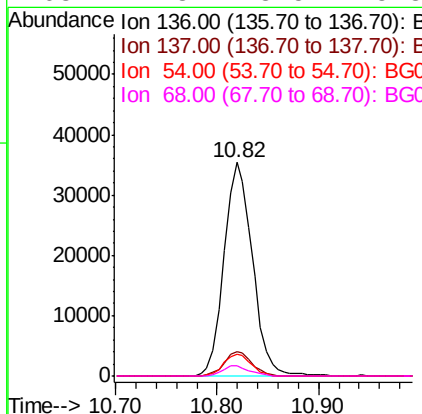
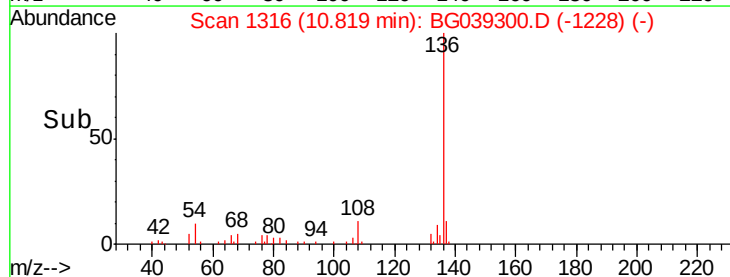
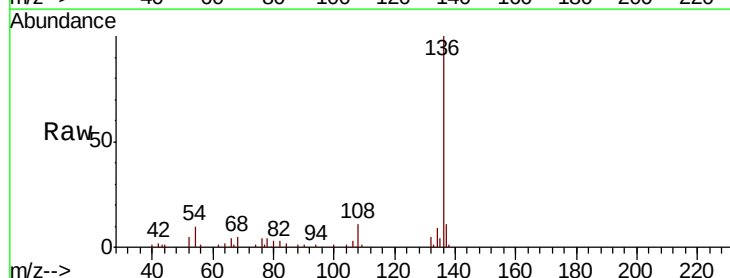
Instrument :  
BNA\_G  
ClientSampled :  
S4

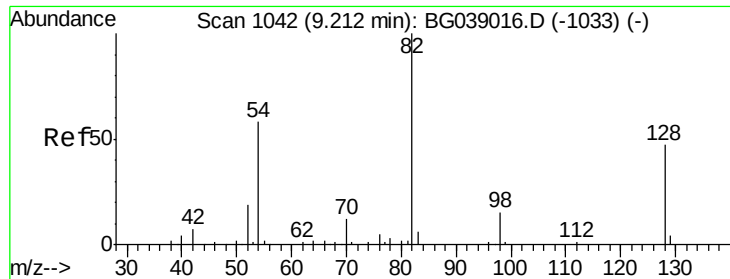
Tgt Ion: 70 Resp: 16204  
Ion Ratio Lower Upper  
70 100  
42 52.4 59.0 88.4#  
101 0.0 10.4 15.6#  
130 0.0 21.6 32.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

Tgt Ion: 136 Resp: 68737  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.4 14.2  
54 10.4 7.2 10.8  
68 4.8 3.5 5.3

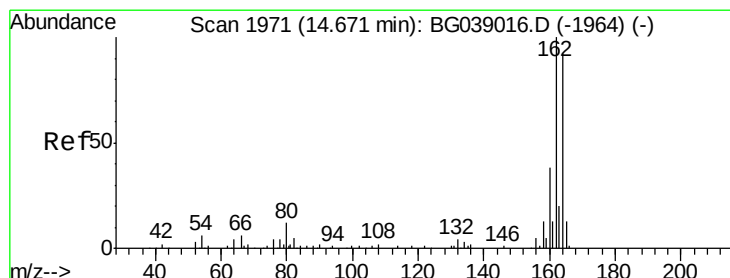
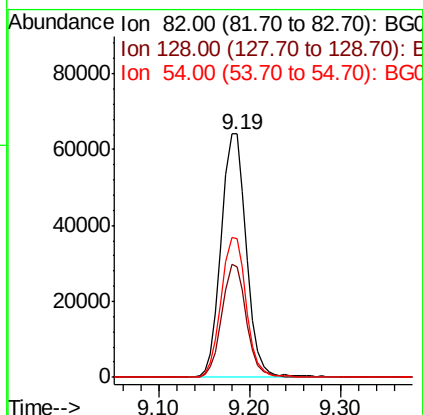
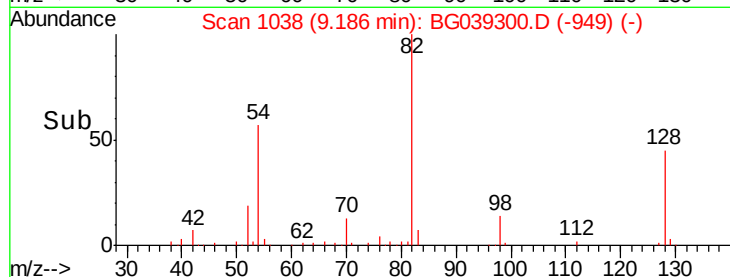
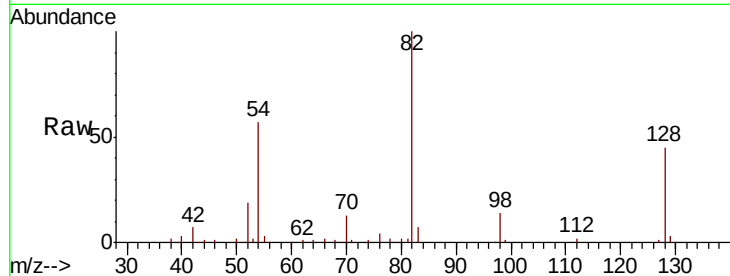




#23  
Nitrobenzene-d5  
Concen: 98.994 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

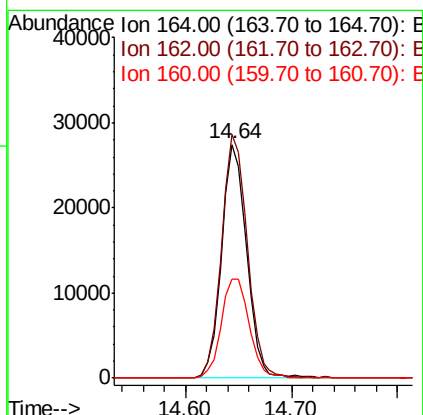
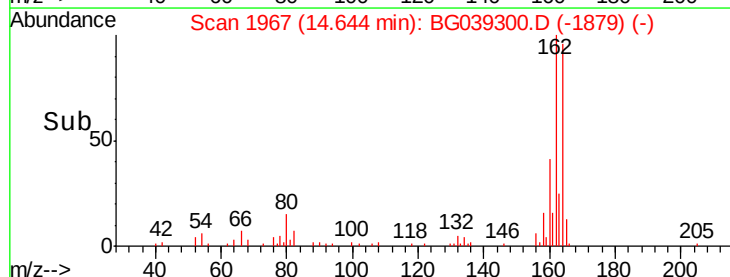
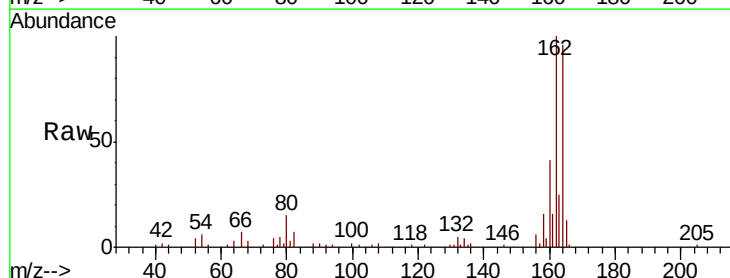
Instrument :  
BNA\_G  
ClientSampled :  
S4

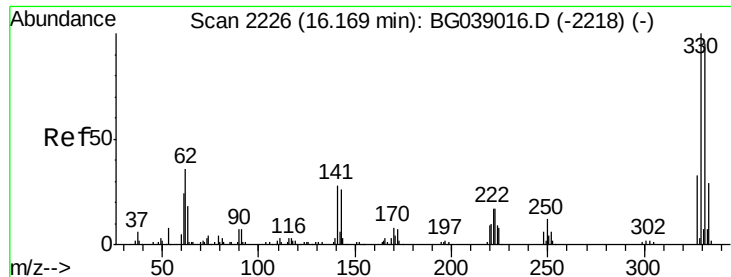
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.3  | 37.3  | 55.9  |
| 54      | 56.9  | 46.4  | 69.6  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.64 min Scan# 1967  
Delta R.T. -0.01 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 87.2  | 130.8 |
| 160     | 42.4  | 33.3  | 49.9  |

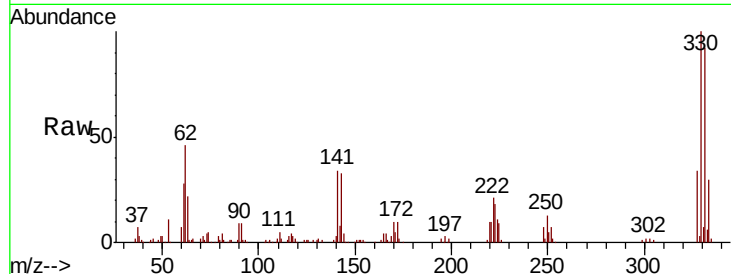




#42  
 2,4,6-Tribromophenol  
 Concen: 137.287 ng  
 RT: 16.14 min Scan# 2221  
 Delta R.T. -0.02 min  
 Lab File: BG039300.D  
 Acq: 26 Jan 2019 7:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 75.7  | 113.5 |
| 141     | 33.6  | 24.9  | 37.3  |

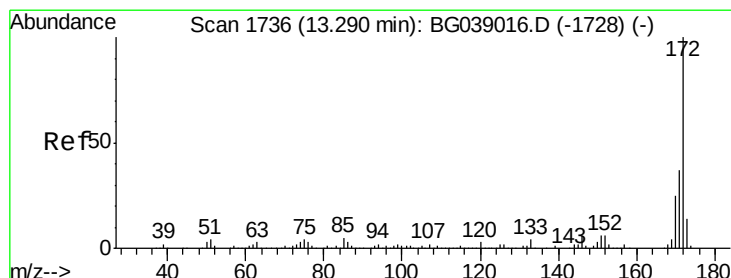
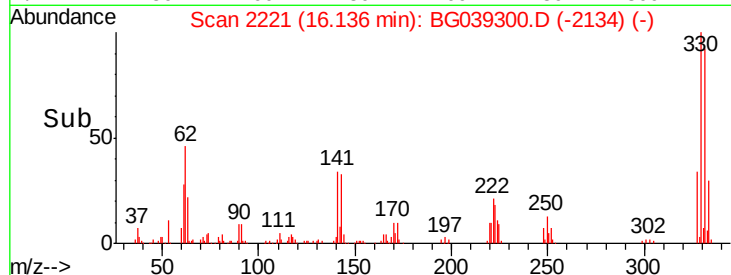
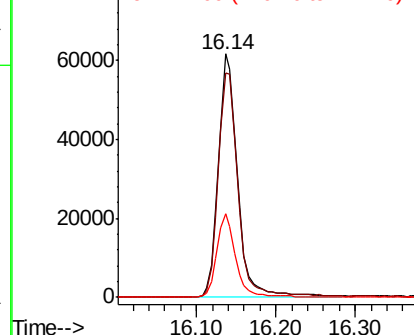


Abundance

Ion 329.80 (329.50 to 330.50): E

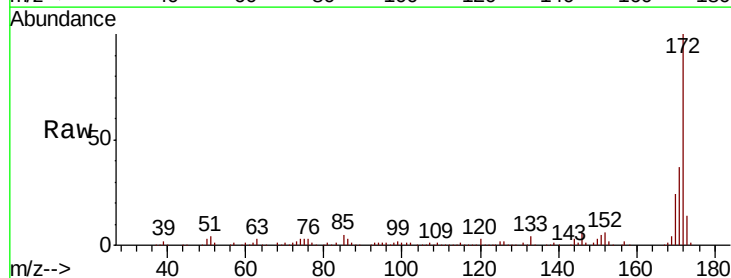
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 98.687 ng  
 RT: 13.26 min Scan# 1732  
 Delta R.T. -0.01 min  
 Lab File: BG039300.D  
 Acq: 26 Jan 2019 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.4  | 44.0  |
| 170     | 24.3  | 20.1  | 30.1  |

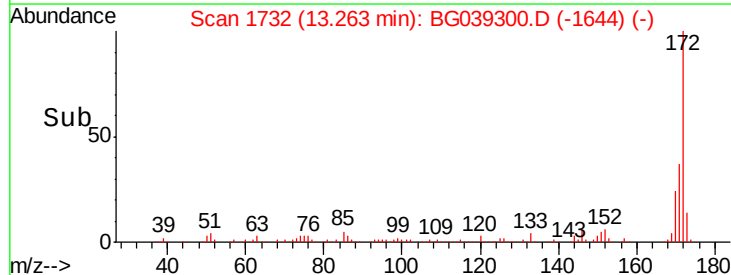
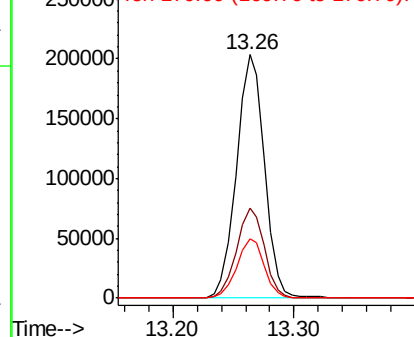


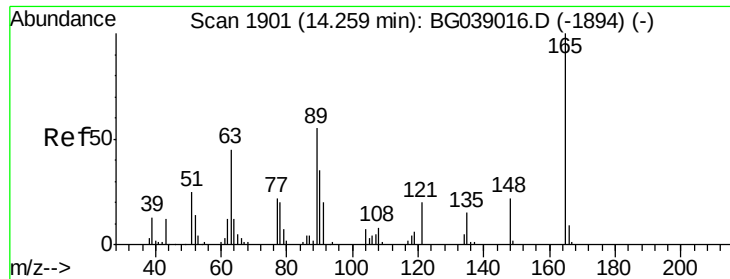
Abundance

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

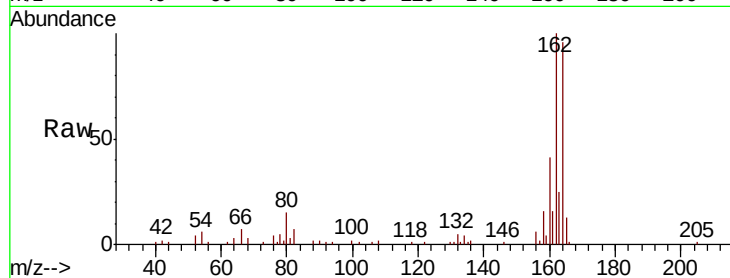




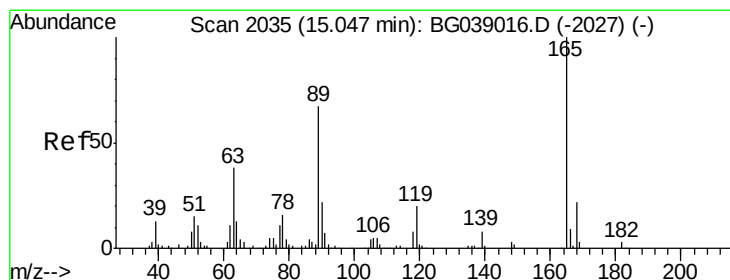
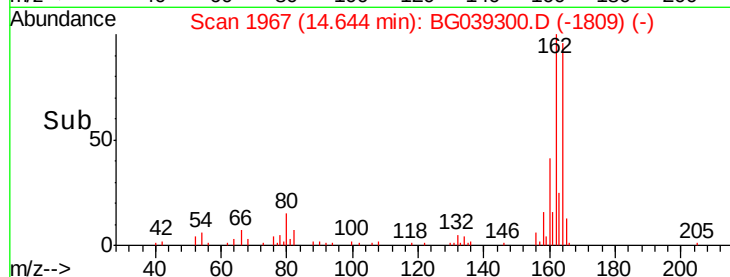
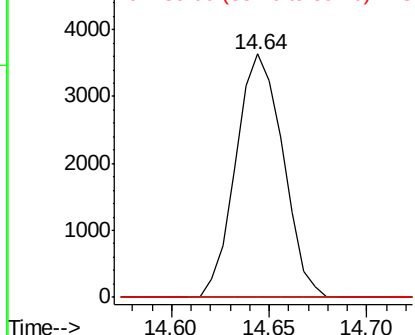
#51  
 2,6-Dinitrotoluene  
 Concen: 7.070 ng  
 RT: 14.64 min Scan# 1967  
 Delta R.T. 0.40 min  
 Lab File: BG039300.D  
 Acq: 26 Jan 2019 7:08

Instrument :  
 BNA\_G  
 ClientSampled :  
 S4

Tgt Ion:165 Resp: 6066  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 43.6 65.4#  
 89 0.0 43.7 65.5#

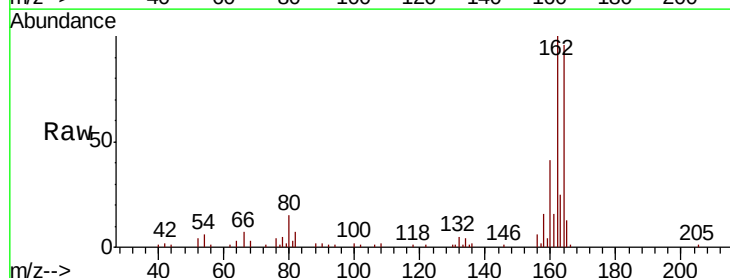


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

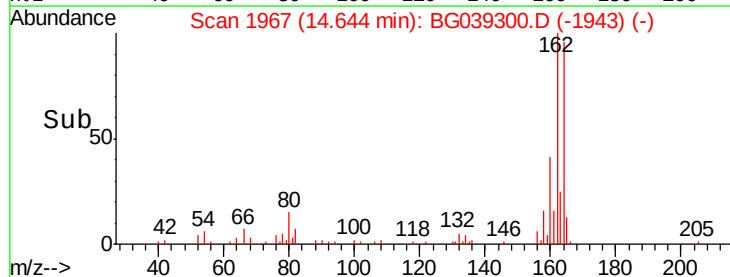
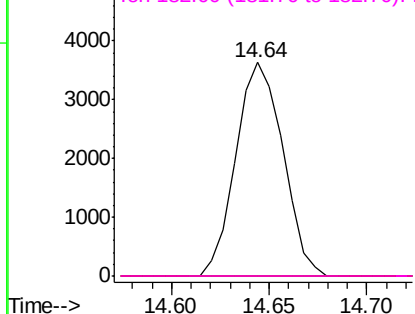


#57  
 2,4-Dinitrotoluene  
 Concen: 4.928 ng  
 RT: 14.64 min Scan# 1967  
 Delta R.T. -0.39 min  
 Lab File: BG039300.D  
 Acq: 26 Jan 2019 7:08

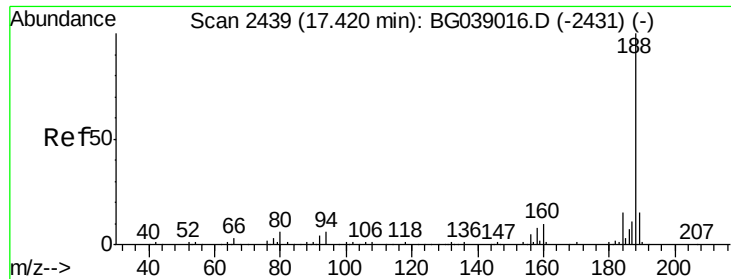
Tgt Ion:165 Resp: 6066  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 30.2 45.4#  
 89 0.0 53.2 79.8#  
 182 0.0 2.7 4.1#



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: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039300.D

Acq: 26 Jan 2019 7:08

Instrument :

BNA\_G

ClientSampleId :

S4

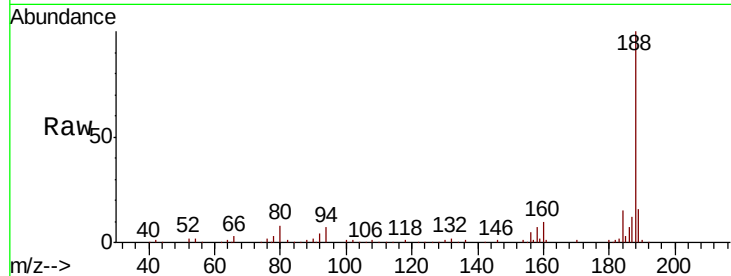
Tgt Ion:188 Resp: 126712

Ion Ratio Lower Upper

188 100

94 7.2 5.0 7.4

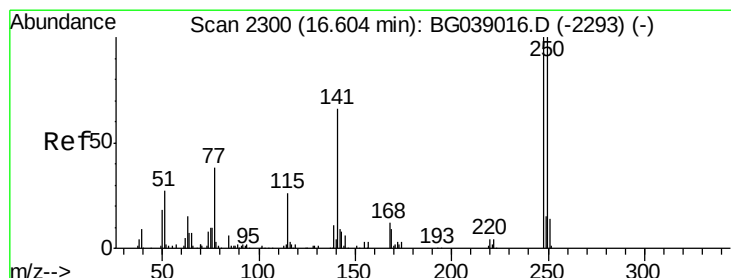
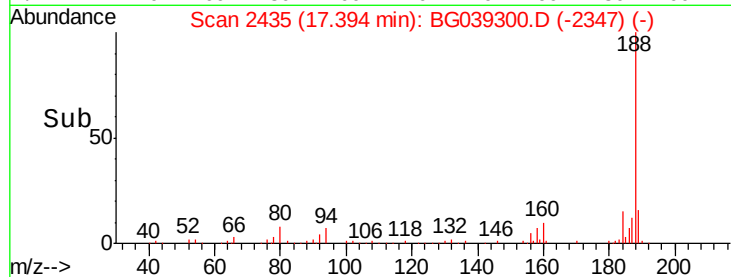
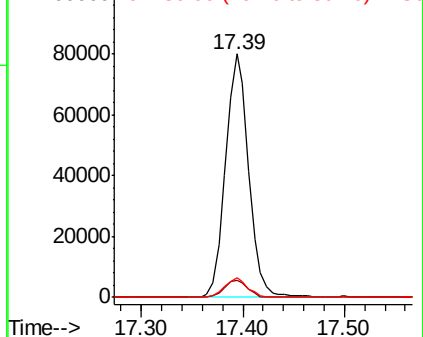
80 8.0 4.7 7.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.221 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG039300.D

Acq: 26 Jan 2019 7:08

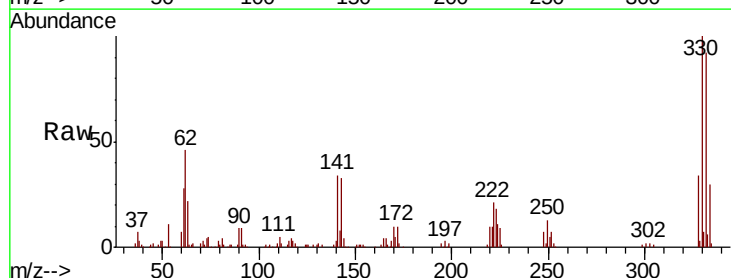
Tgt Ion:248 Resp: 6876

Ion Ratio Lower Upper

248 100

250 193.2 79.9 119.9#

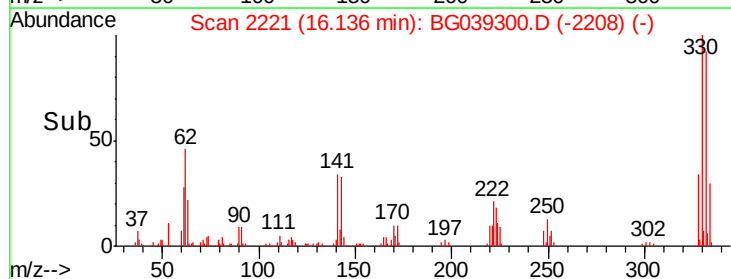
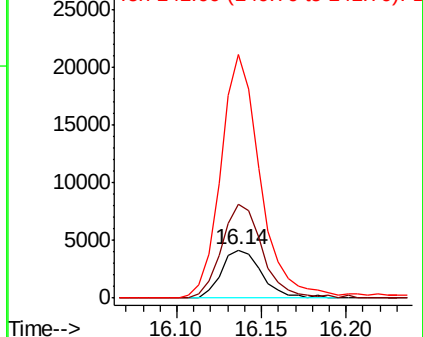
141 372.3 52.7 79.1#

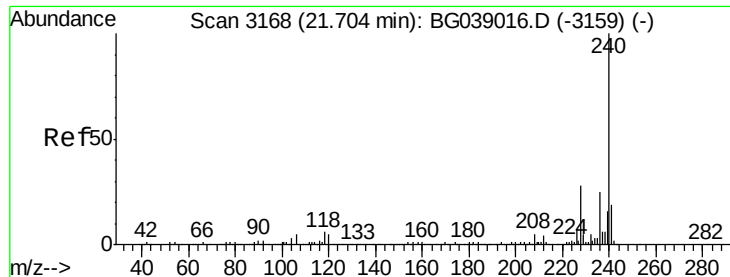


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

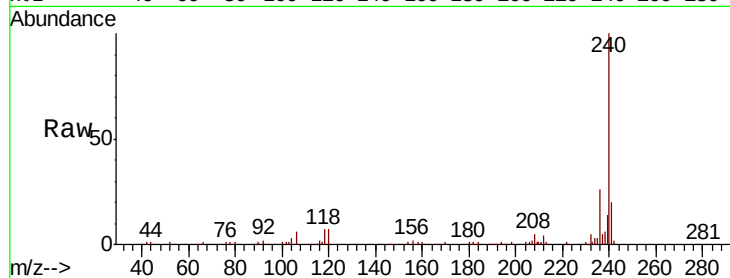




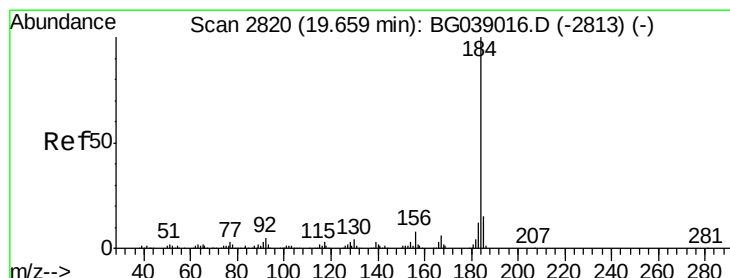
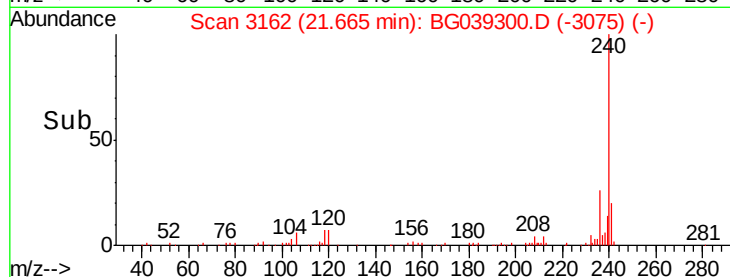
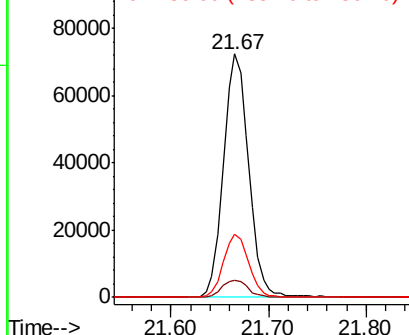
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.67 min Scan# 3162  
Delta R.T. -0.02 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

Instrument :  
BNA\_G  
ClientSampleId :  
S4

Tgt Ion:240 Resp: 129653  
Ion Ratio Lower Upper  
240 100  
120 7.2 4.3 6.5#  
236 26.2 20.1 30.1

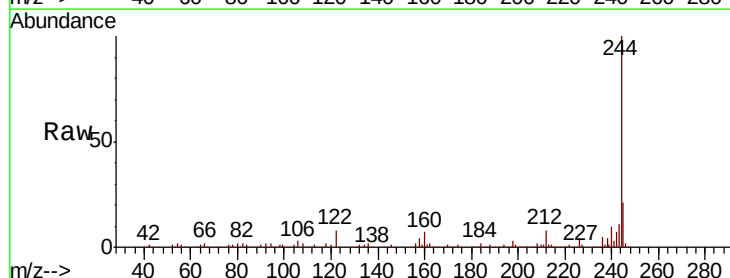


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

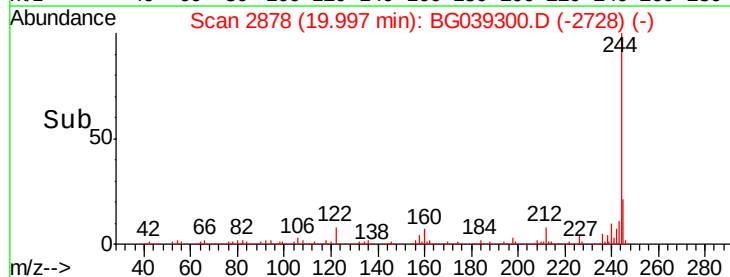
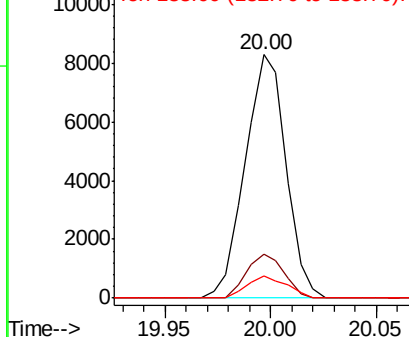


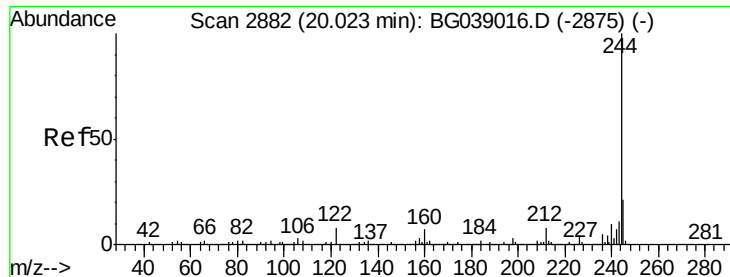
#77  
Benzidine  
Concen: 2.799 ng  
RT: 20.00 min Scan# 2878  
Delta R.T. 0.35 min  
Lab File: BG039300.D  
Acq: 26 Jan 2019 7:08

Tgt Ion:184 Resp: 11100  
Ion Ratio Lower Upper  
184 100  
185 18.2 12.1 18.1#  
183 9.3 9.5 14.3#



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: 103.796 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039300.D

Acq: 26 Jan 2019 7:08

Instrument :

BNA\_G

ClientSampleId :

S4

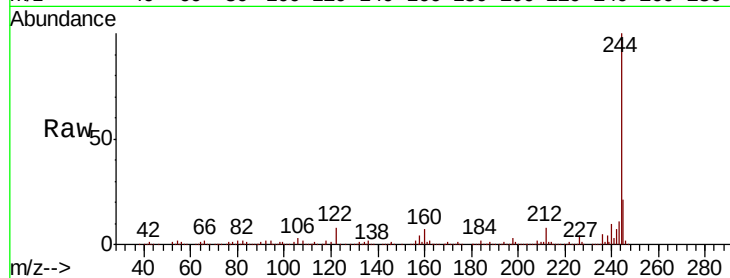
Tgt Ion:244 Resp: 727473

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

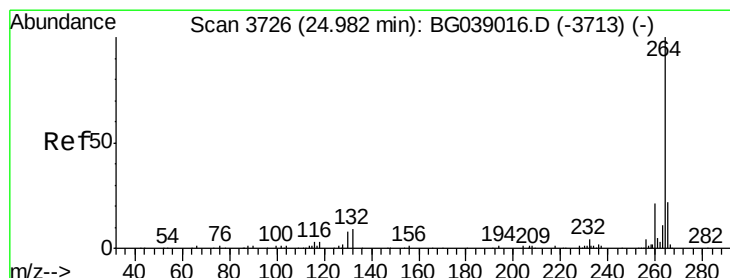
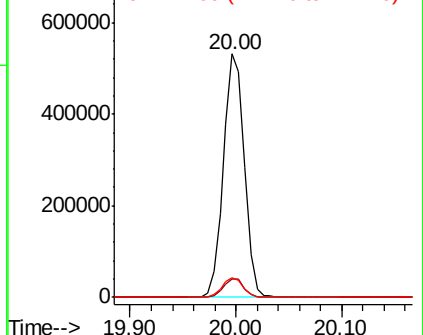
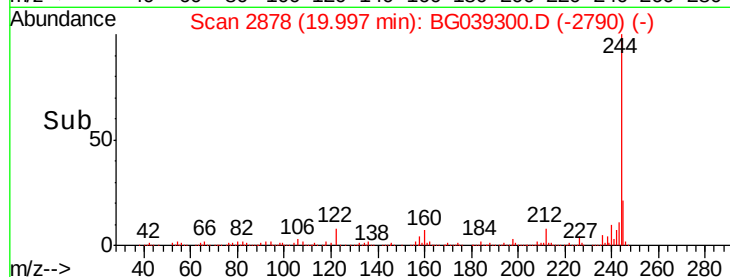
122 8.1 6.1 9.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.03 min

Lab File: BG039300.D

Acq: 26 Jan 2019 7:08

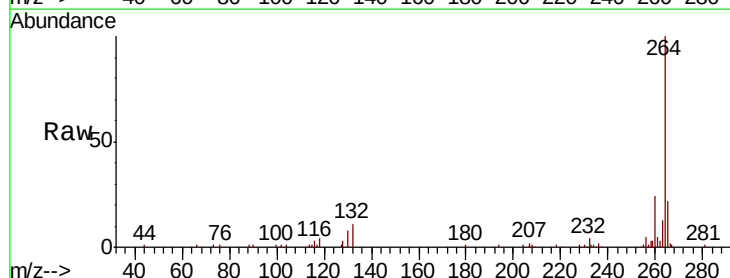
Tgt Ion:264 Resp: 130157

Ion Ratio Lower Upper

264 100

260 24.0 17.0 25.6

265 21.9 17.2 25.8



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

