

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031119\  
 Data File : BG039868.D  
 Acq On : 12 Mar 2019 10:55  
 Operator : JU/SJ  
 Sample : K1837-13  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MR-MH-05-COMP

Quant Time: Mar 12 13:16:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

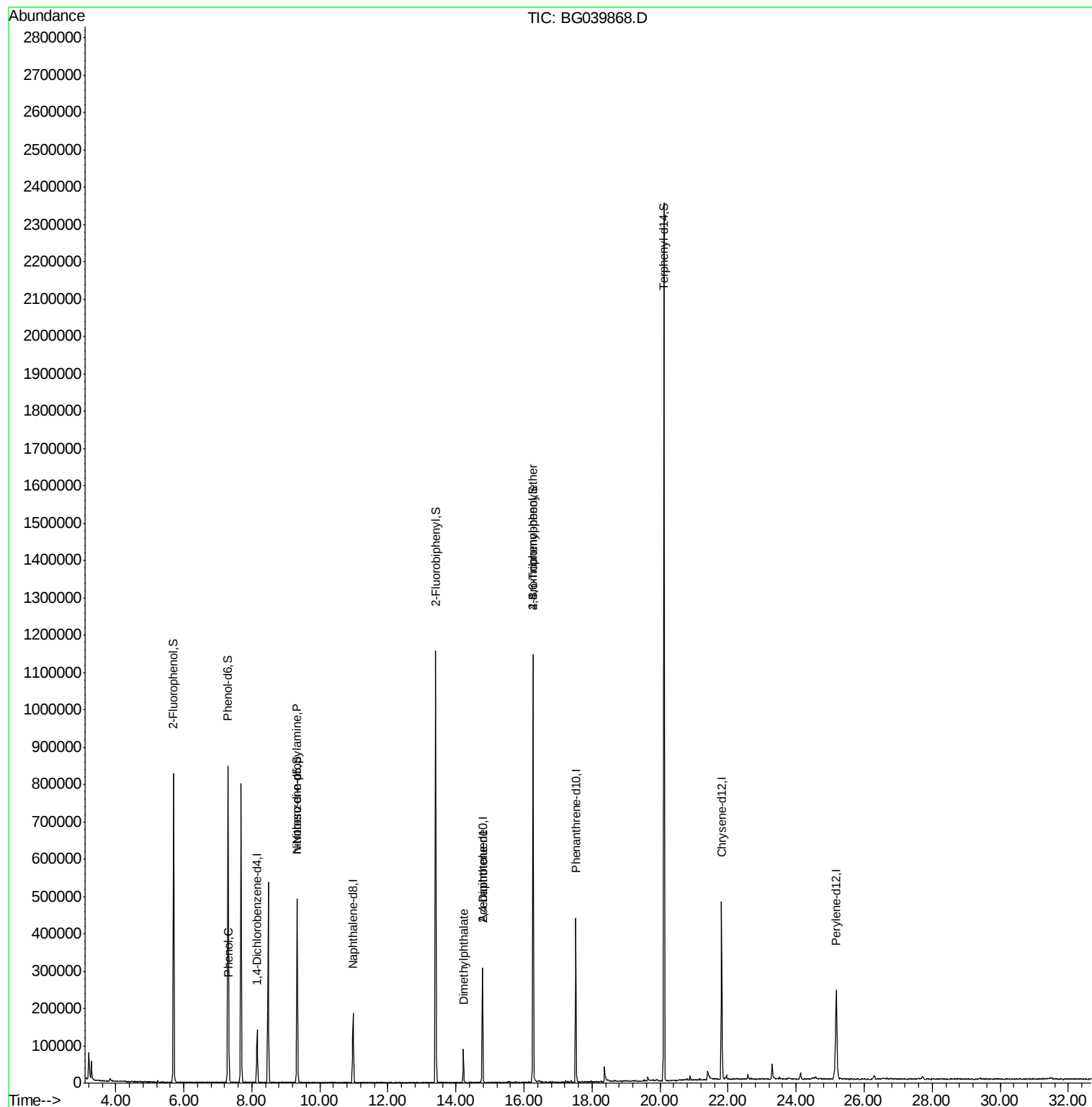
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.15  | 152  | 37533    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.97 | 136  | 159893   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.78 | 164  | 111548   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.52 | 188  | 281330   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.81 | 240  | 295563   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.18 | 264  | 290983   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.70  | 112  | 342565   | 155.71 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.30  | 99   | 500662   | 152.62 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.33  | 82   | 291985   | 98.76  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.27 | 330  | 201288   | 154.82 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.40 | 172  | 614801   | 78.47  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.12 | 244  | 1042572  | 77.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.33  | 94   | 22407    | 6.305  | ng    | 95       |
| 19) n-Nitroso-di-n-propylamine | 9.33  | 70   | 37570    | 15.912 | ng    | # 71     |
| 50) Dimethylphthalate          | 14.22 | 163  | 61398    | 6.582  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.78 | 165  | 15358    | 5.528  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 16247    | 5.159  | ng    | # 1      |

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

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Misc :  
ALS Vial : 19 Sample Multiplier: 1

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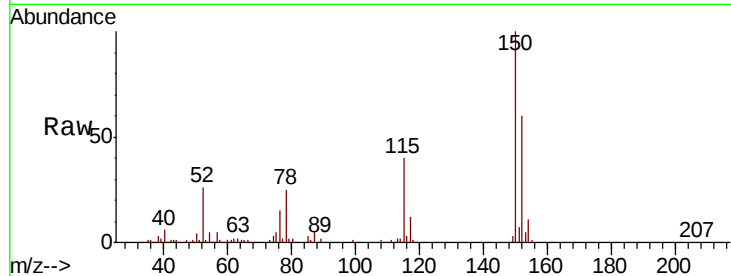


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BG039868.D  
Acq: 12 Mar 2019 10:55

Instrument :  
BNA\_E  
ClientSampleId :  
MR-MH-05-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 167.3 | 123.7 | 185.5 |
| 115     | 66.6  | 45.9  | 68.9  |

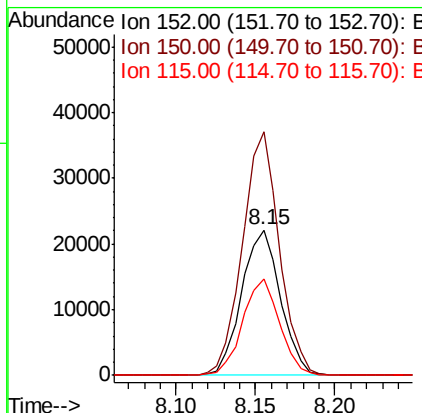
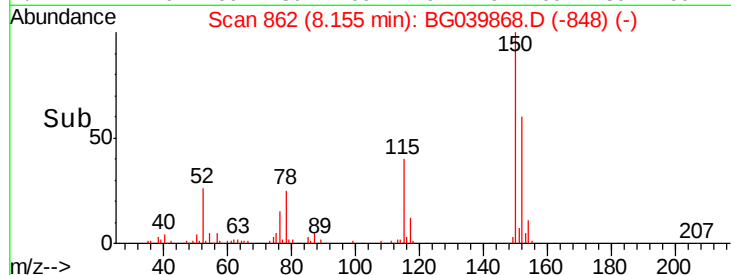


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

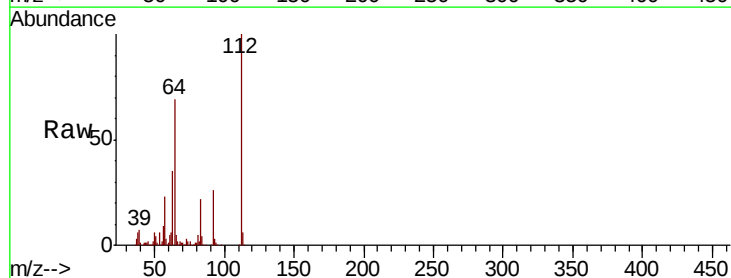
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 155.708 ng  
RT: 5.70 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BG039868.D  
Acq: 12 Mar 2019 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.7  | 57.8  | 86.8  |
| 63      | 35.3  | 29.8  | 44.6  |

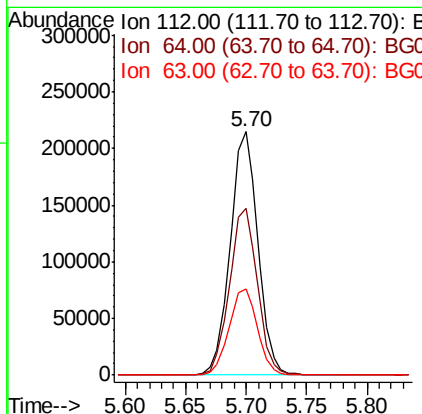
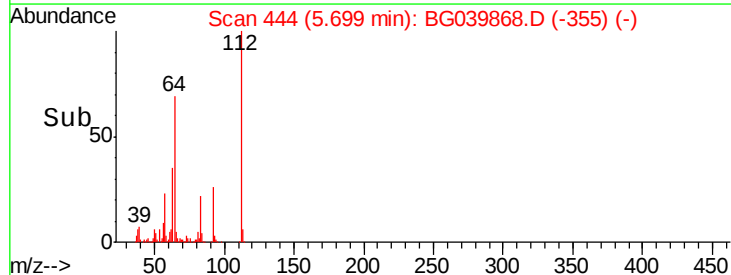


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 152.622 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039868.D

Acq: 12 Mar 2019 10:55

Instrument :

BNA\_E

ClientSampleId :

MR-MH-05-COMP

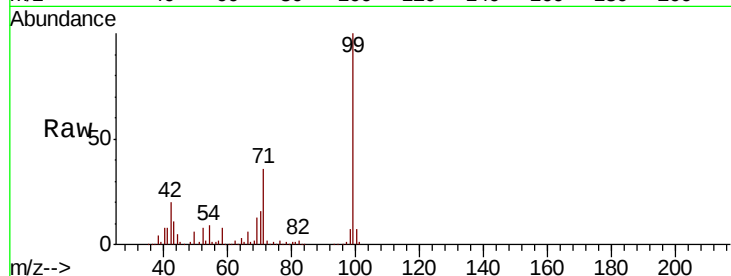
Tot Ion: 99 Resp: 500662

Ion Ratio Lower Upper

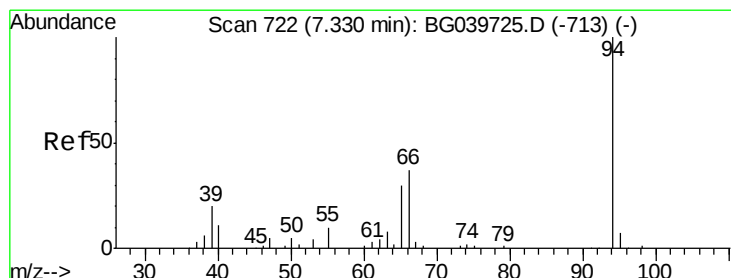
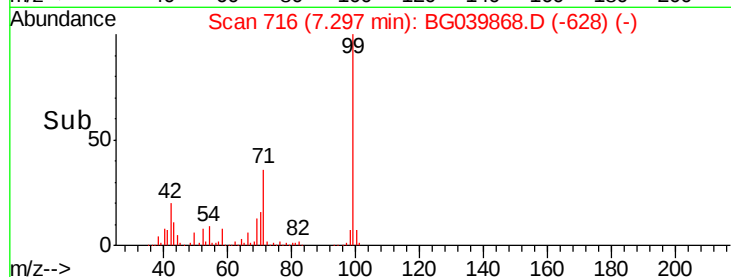
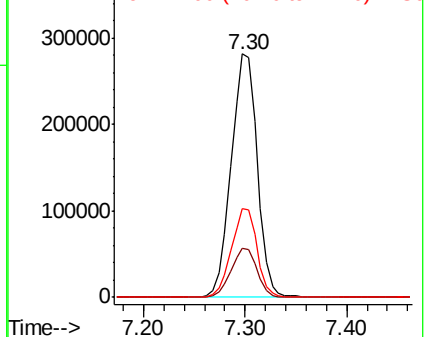
99 100

42 20.1 18.2 27.2

71 36.5 28.0 42.0



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: 6.305 ng

RT: 7.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BG039868.D

Acq: 12 Mar 2019 10:55

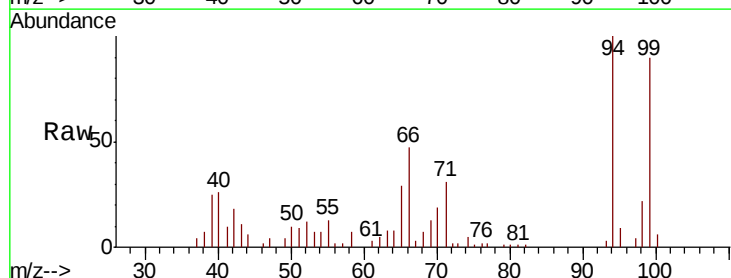
Tgt Ion: 94 Resp: 22407

Ion Ratio Lower Upper

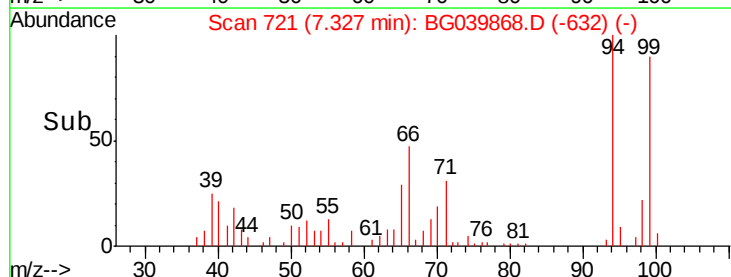
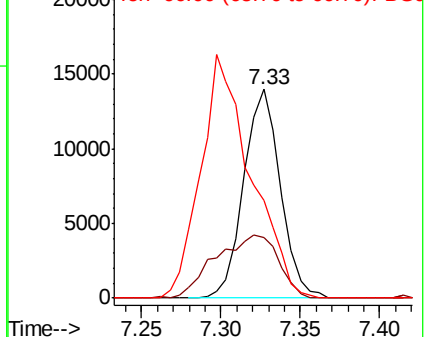
94 100

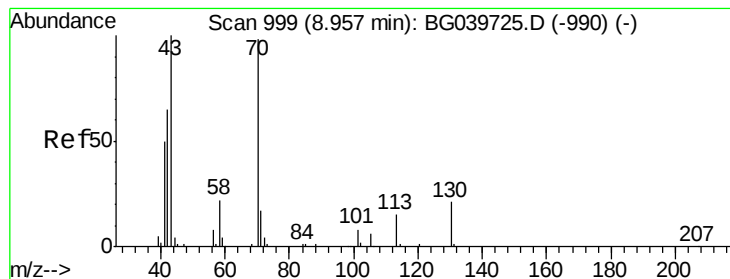
65 29.1 11.7 51.7

66 46.8 23.7 63.7



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: 15.912 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039868.D

Acq: 12 Mar 2019 10:55

Instrument :

BNA\_E

ClientSampleId :

MR-MH-05-COMP

Tot Ion: 70 Resp: 37570

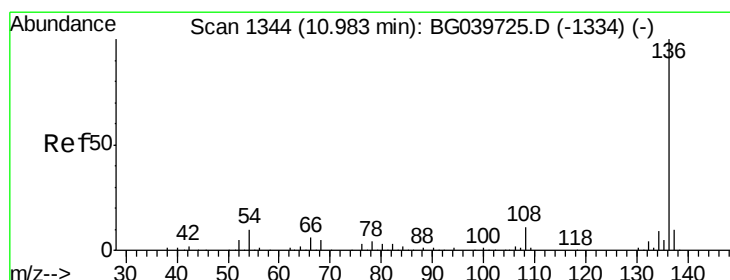
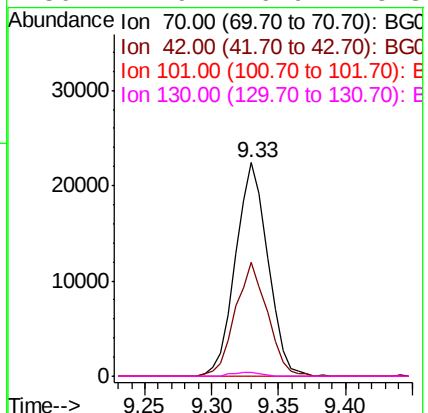
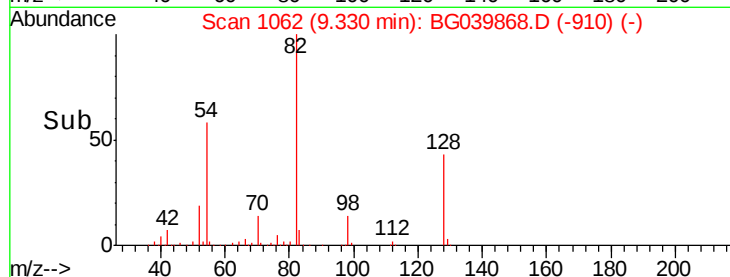
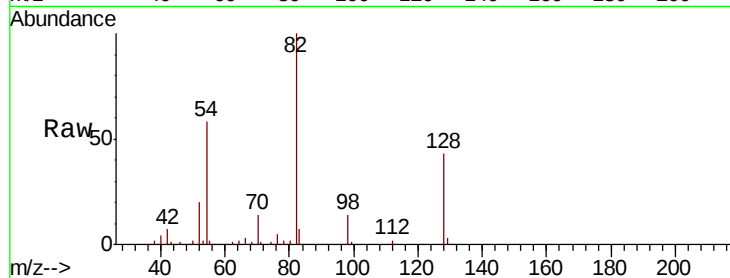
Ion Ratio Lower Upper

70 100

42 53.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BG039868.D

Acq: 12 Mar 2019 10:55

Tgt Ion: 136 Resp: 159893

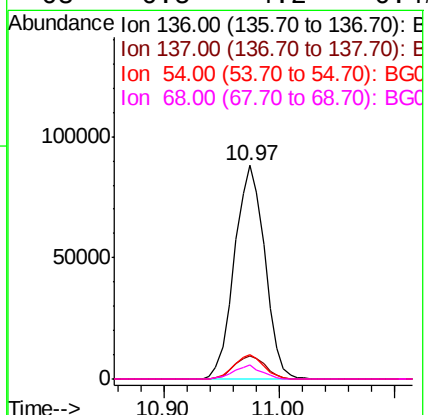
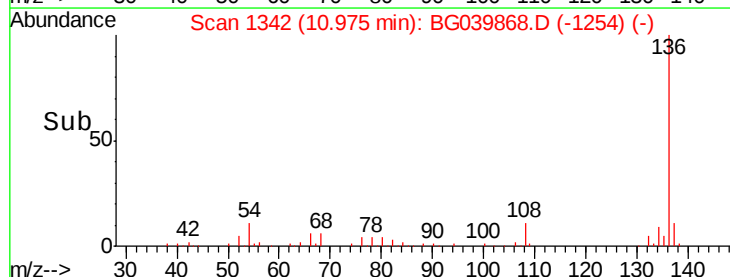
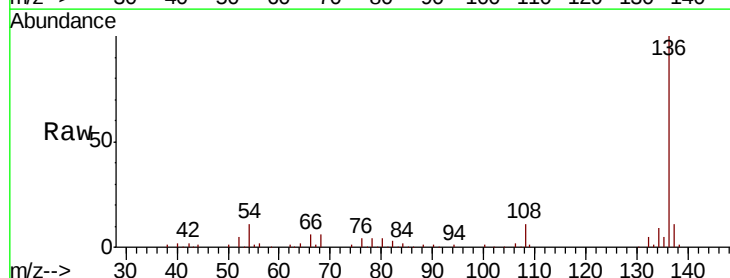
Ion Ratio Lower Upper

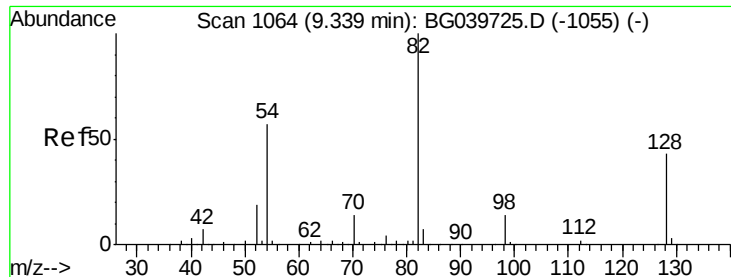
136 100

137 10.8 9.1 13.7

54 11.4 9.4 14.2

68 6.5 4.2 6.4#

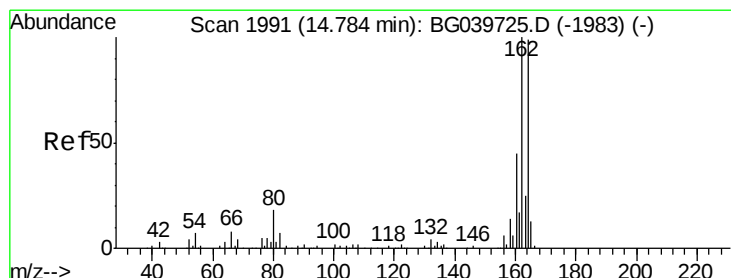
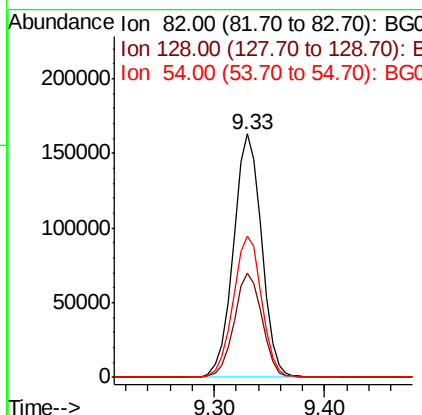
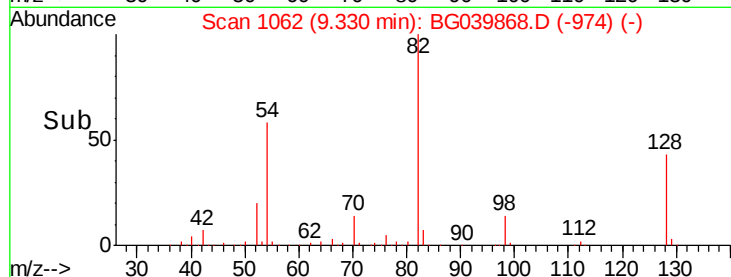
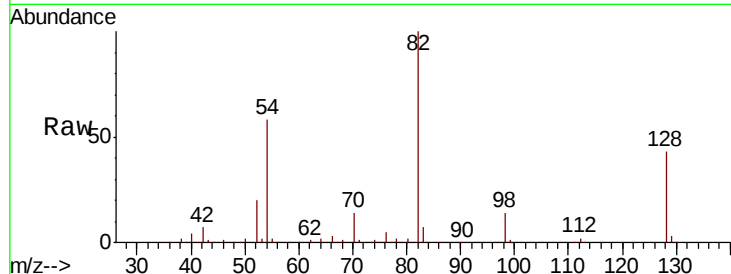




#23  
Nitrobenzene-d5  
Concen: 98.764 ng  
RT: 9.33 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BG039868.D  
Acq: 12 Mar 2019 10:55

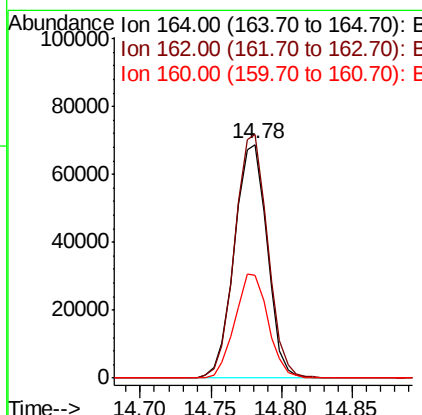
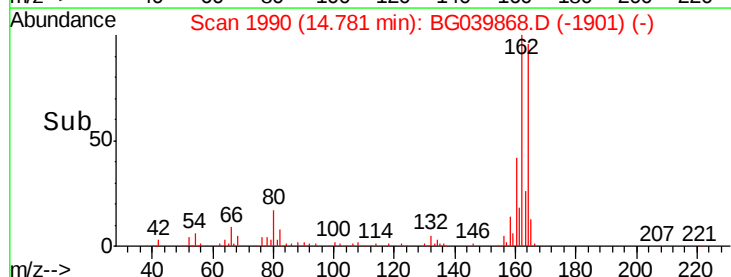
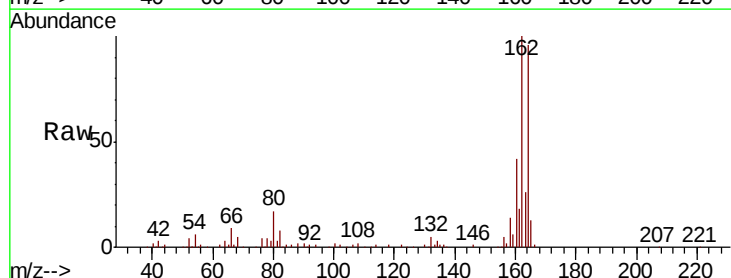
Instrument :  
BNA\_E  
ClientSampleId :  
MR-MH-05-COMP

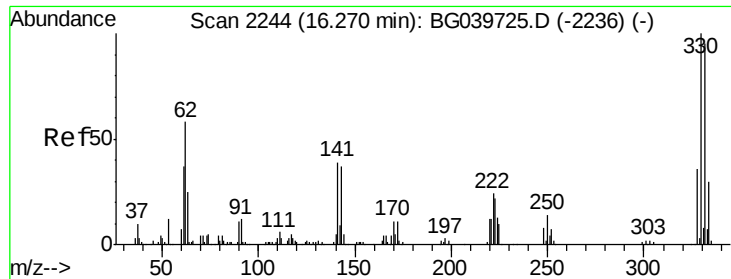
Tot Ion: 82 Resp: 291985  
Ion Ratio Lower Upper  
82 100  
128 42.7 31.3 46.9  
54 58.2 50.9 76.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. -0.01 min  
Lab File: BG039868.D  
Acq: 12 Mar 2019 10:55

Tgt Ion:164 Resp: 111548  
Ion Ratio Lower Upper  
164 100  
162 104.3 81.6 122.4  
160 43.8 34.2 51.2

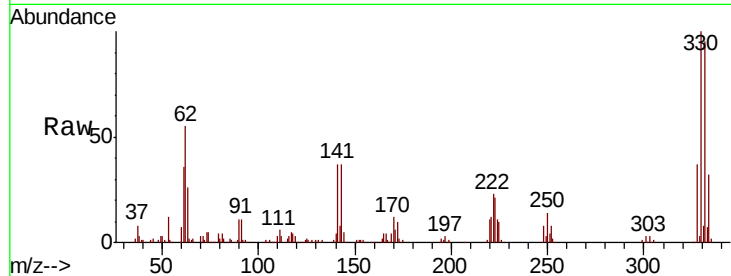




#42  
 2,4,6-Tribromophenol  
 Concen: 154.816 ng  
 RT: 16.27 min Scan# 2243  
 Delta R.T. -0.01 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MR-MH-05-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.5  | 75.7  | 113.5 |
| 141     | 40.4  | 35.6  | 53.4  |

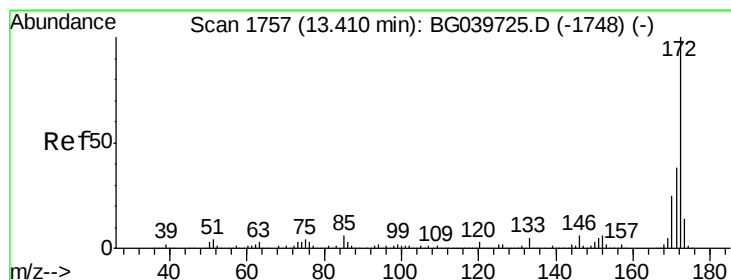
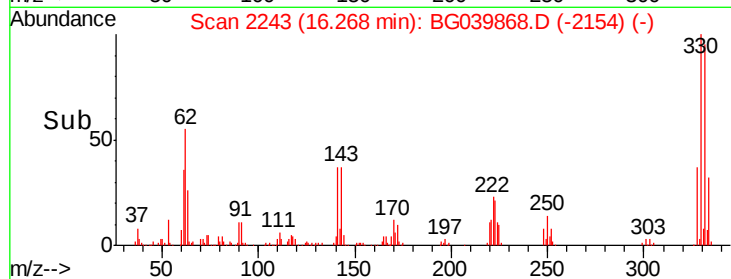
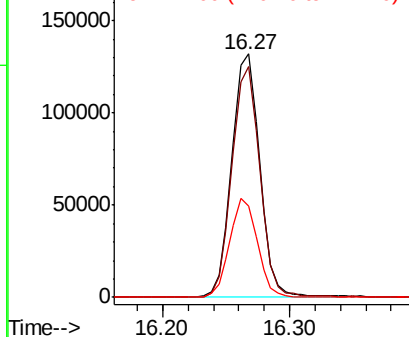


Abundance

Ion 329.80 (329.50 to 330.50): E

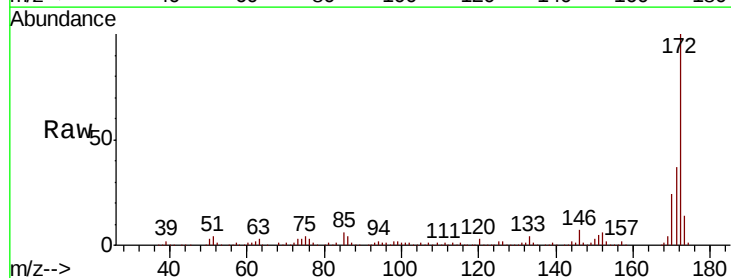
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 78.475 ng  
 RT: 13.40 min Scan# 1755  
 Delta R.T. -0.02 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 30.8  | 46.2  |
| 170     | 24.2  | 20.2  | 30.4  |

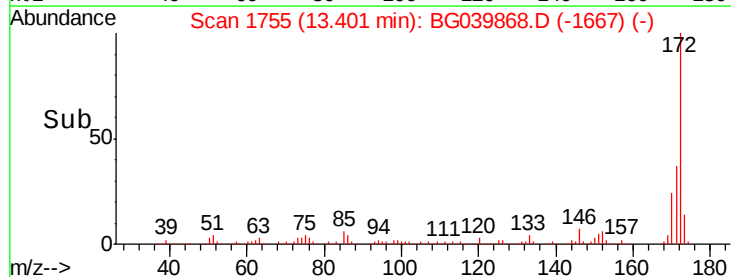
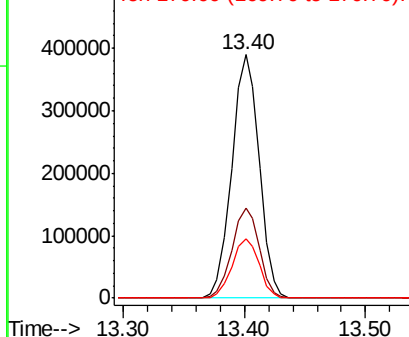


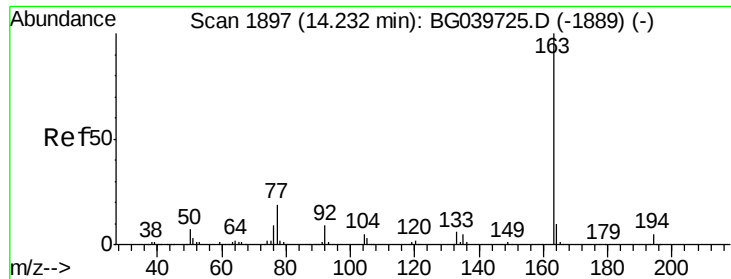
Abundance

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: 6.582 ng

RT: 14.22 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BG039868.D

Acq: 12 Mar 2019 10:55

Instrument :

BNA\_E

ClientSampleId :

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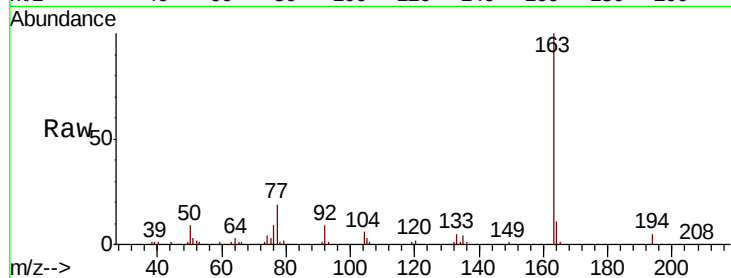
Tot Ion:163 Resp: 61398

Ion Ratio Lower Upper

163 100

194 4.8 3.6 5.4

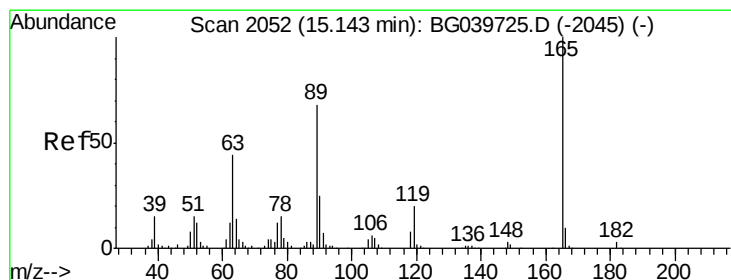
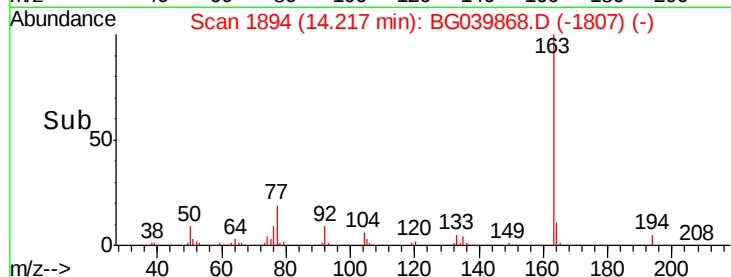
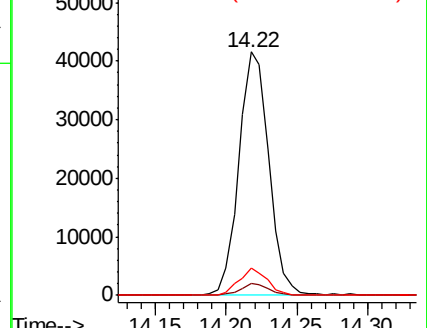
164 11.1 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 5.528 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG039868.D

Acq: 12 Mar 2019 10:55

Tgt Ion:165 Resp: 15358

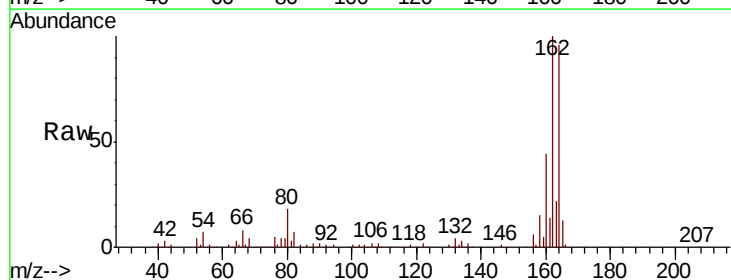
Ion Ratio Lower Upper

165 100

63 2.3 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

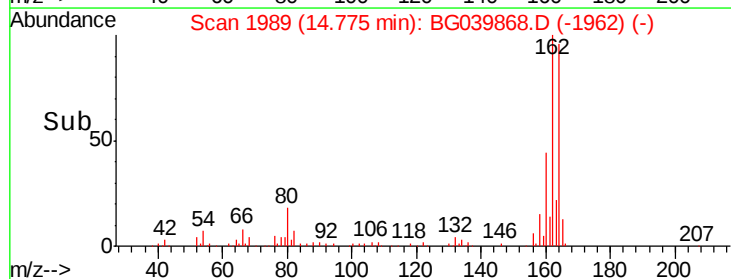
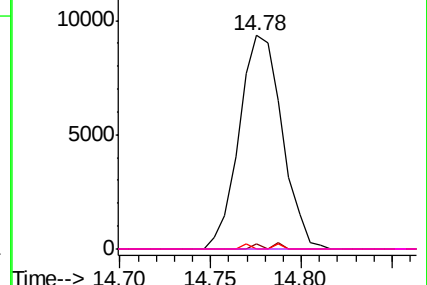


Abundance Ion 165.00 (164.70 to 165.70): E

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

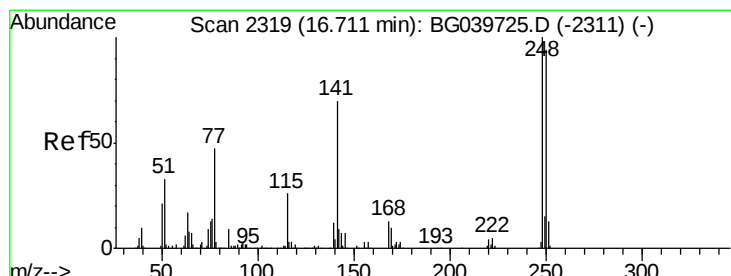
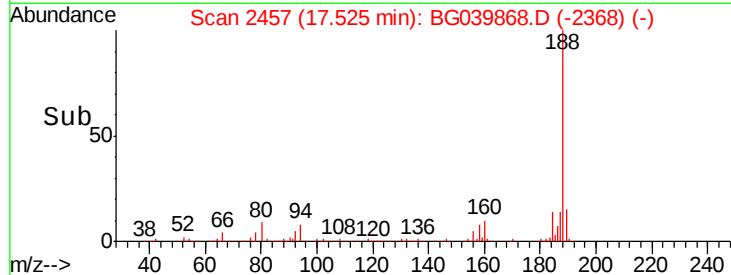
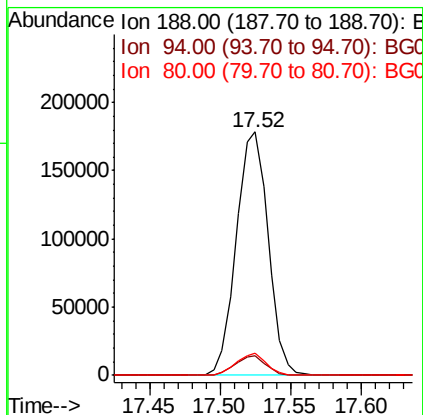
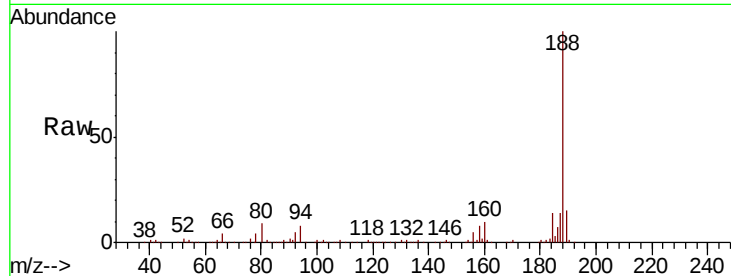




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.52 min Scan# 2457  
 Delta R.T. -0.01 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

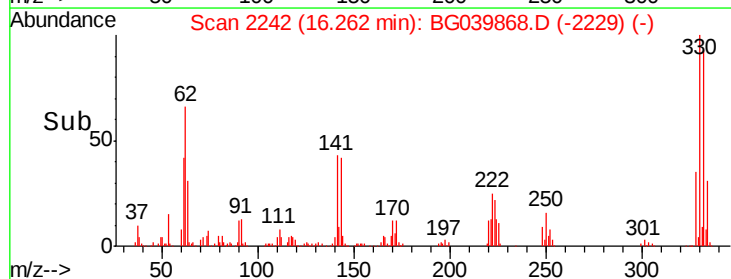
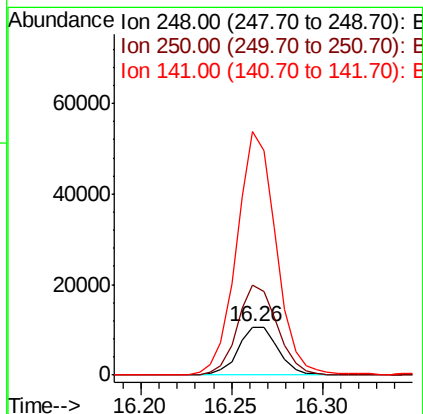
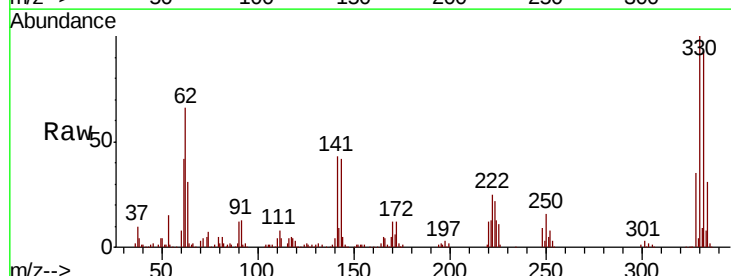
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MR-MH-05-COMP

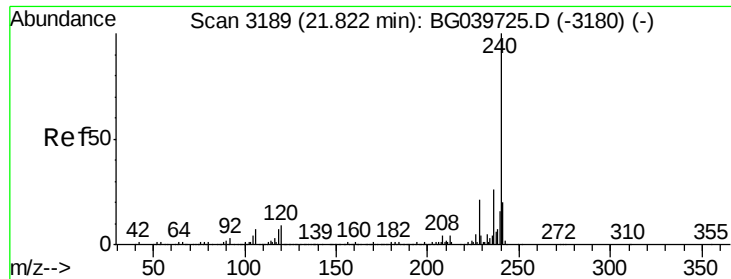
| Tot Ion:188 | Resp: | 281330      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 188         | 100   |             |
| 94          | 7.9   | 6.9 10.3    |
| 80          | 8.9   | 8.1 12.1    |



#67  
 4-Bromophenyl-phenylether  
 Concen: 5.159 ng  
 RT: 16.26 min Scan# 2242  
 Delta R.T. -0.46 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

| Tgt Ion:248 | Resp: | 16247       |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 248         | 100   |             |
| 250         | 186.4 | 77.6 116.4# |
| 141         | 502.8 | 63.9 95.9#  |

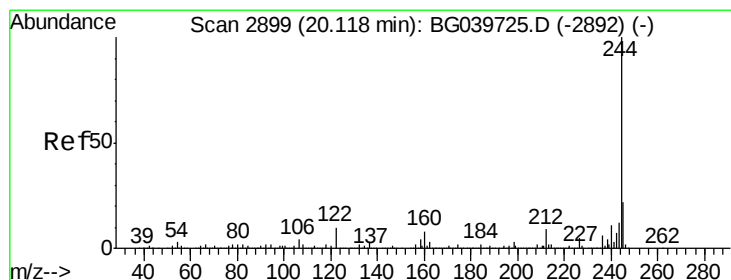
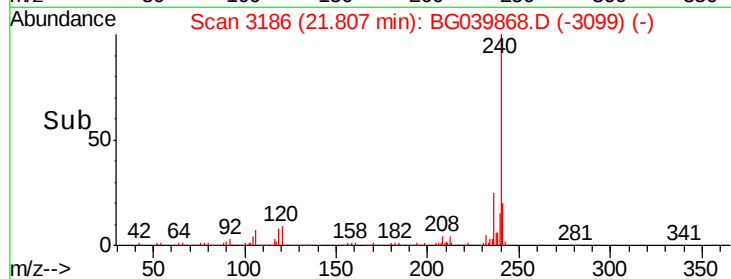
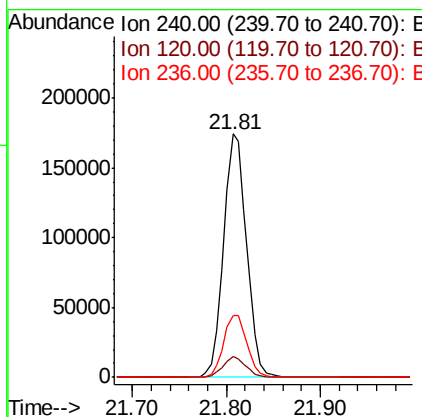
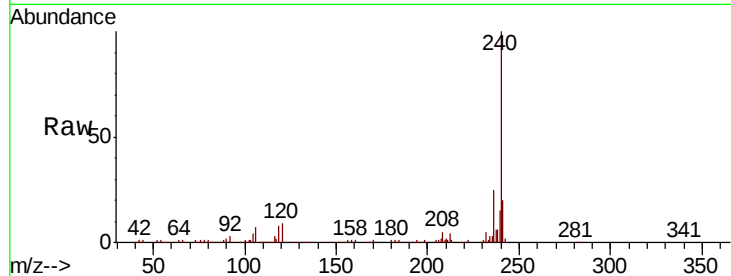




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.81 min Scan# 3186  
 Delta R.T. -0.02 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

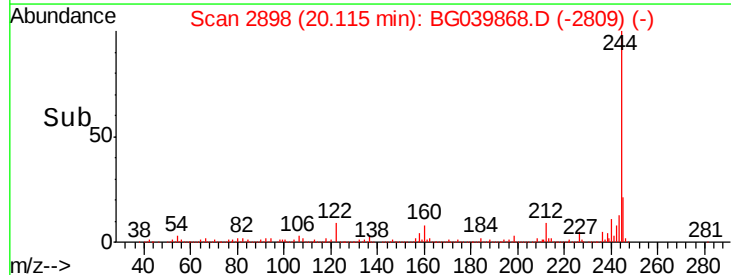
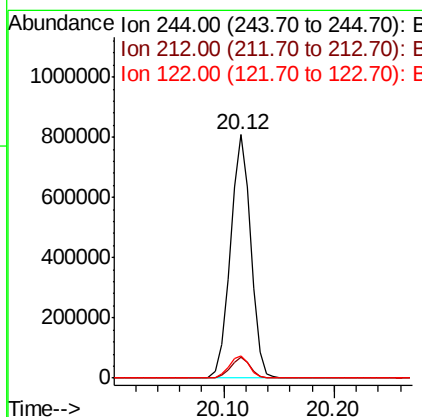
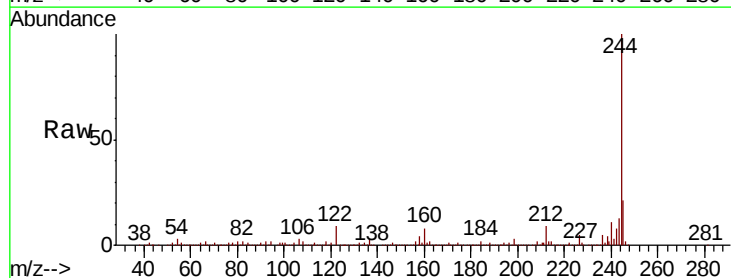
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MR-MH-05-COMP

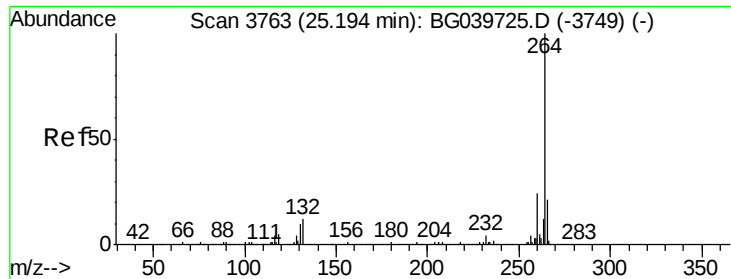
Tot Ion:240 Resp: 295563  
 Ion Ratio Lower Upper  
 240 100  
 120 8.5 7.0 10.6  
 236 25.5 21.0 31.4



#79  
 Terphenyl-d14  
 Concen: 77.667 ng  
 RT: 20.12 min Scan# 2898  
 Delta R.T. -0.01 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

Tgt Ion:244 Resp: 1042572  
 Ion Ratio Lower Upper  
 244 100  
 212 8.7 7.3 10.9  
 122 9.0 8.4 12.6





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.18 min Scan# 3761  
 Delta R.T. -0.02 min  
 Lab File: BG039868.D  
 Acq: 12 Mar 2019 10:55

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MR-MH-05-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 18.2  | 27.4  |
| 265     | 19.9  | 18.5  | 27.7  |

