

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061118\  
 Data File : BG035049.D  
 Acq On : 12 Jun 2018 2:38  
 Operator : SJ/JU  
 Sample : J3343-04  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 12 05:59:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

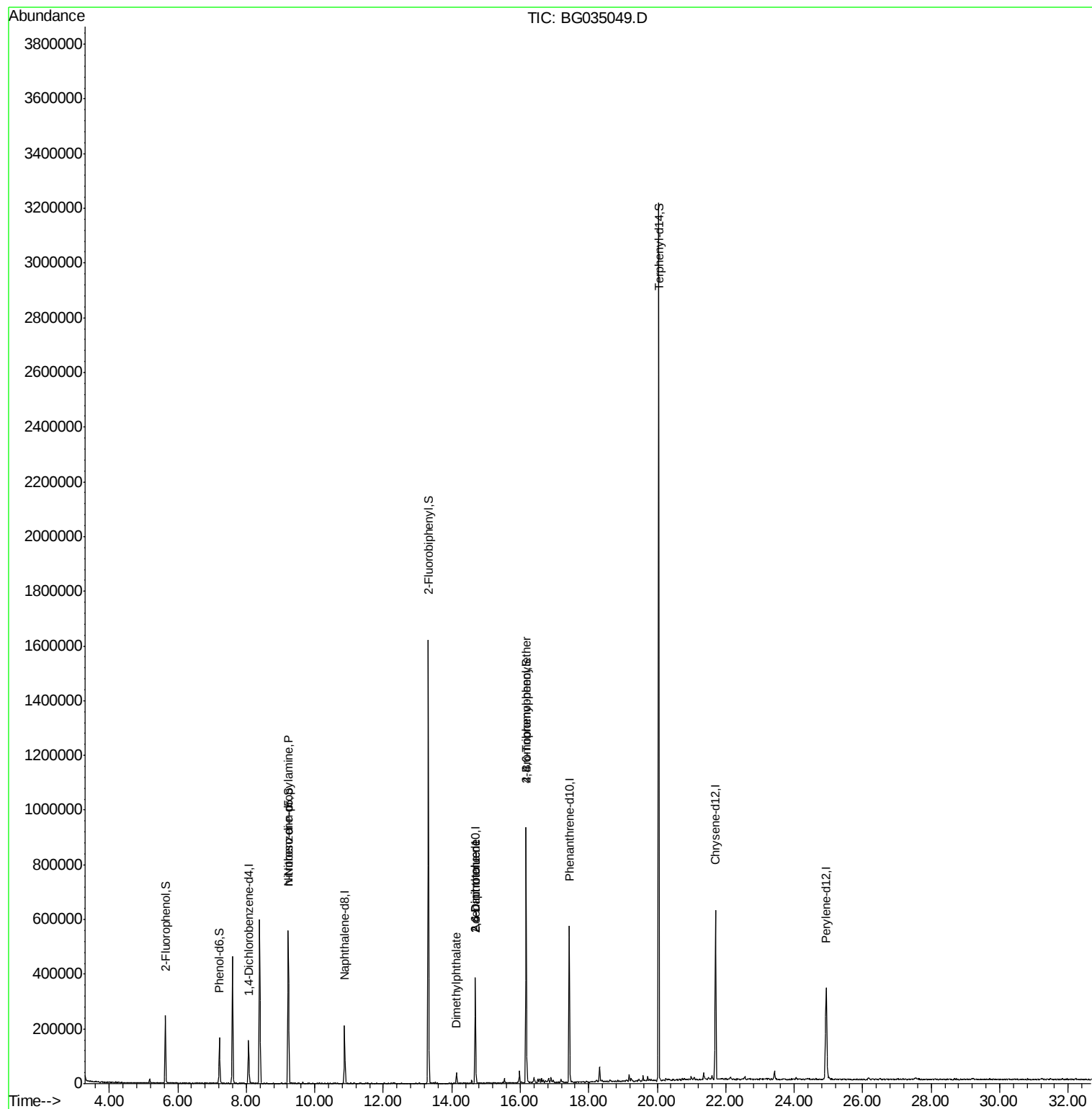
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.07  | 152  | 44769    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.87 | 136  | 171108   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.69 | 164  | 133098   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.43 | 188  | 358274   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.70 | 240  | 395832   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.94 | 264  | 384116   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 105966   | 39.94  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.22  | 99   | 99459    | 25.40  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.23  | 82   | 367792   | 102.17 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.18 | 330  | 171074   | 100.41 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.32 | 172  | 860877   | 84.08  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.04 | 244  | 1520912  | 80.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.23  | 70   | 50321    | 15.128 | ng    | # 69     |
| 49) Dimethylphthalate          | 14.14 | 163  | 26942    | 2.321  | ng    | # 96     |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165  | 17932    | 8.469  | ng    | # 21     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 17932    | 6.375  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 14029    | 3.252  | ng    | # 1      |

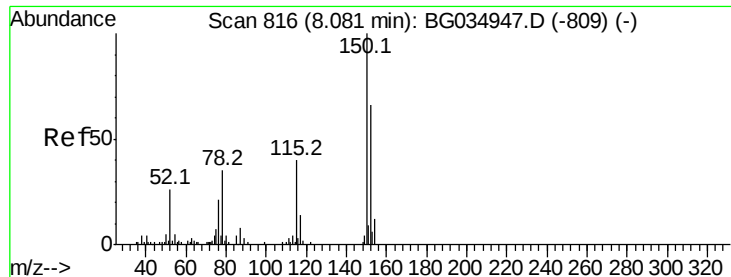
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061118\  
Data File : BG035049.D  
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Instrument :  
BNA\_M  
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Quant Time: Jun 12 05:59:08 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 08 17:16:28 2018  
Response via : Initial Calibration



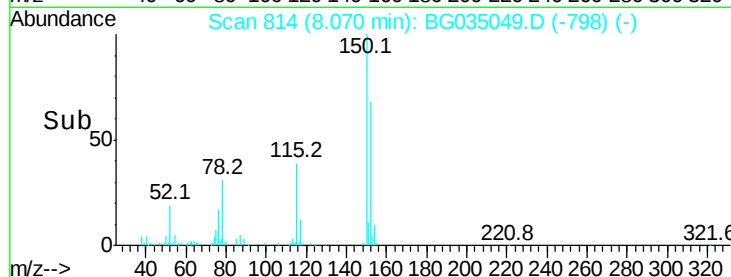
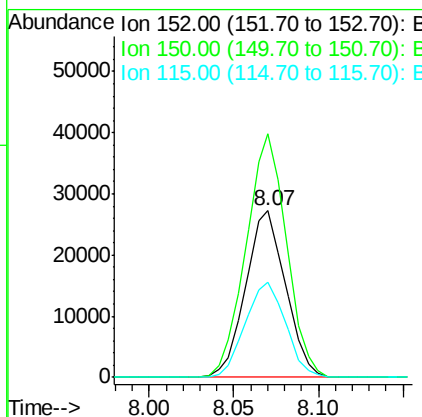
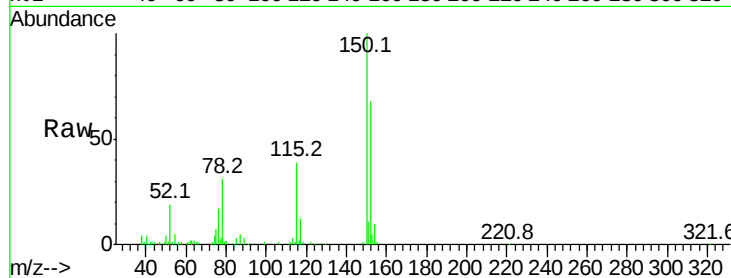


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

Instrument :  
BNA\_M  
ClientSampleId :

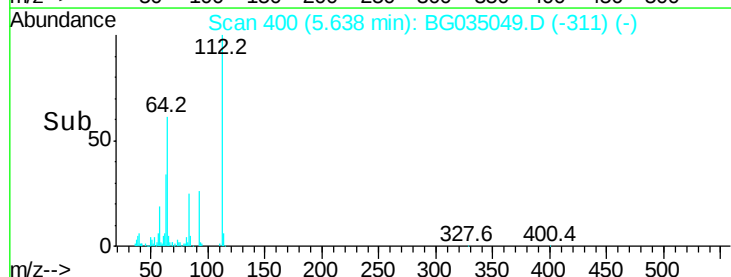
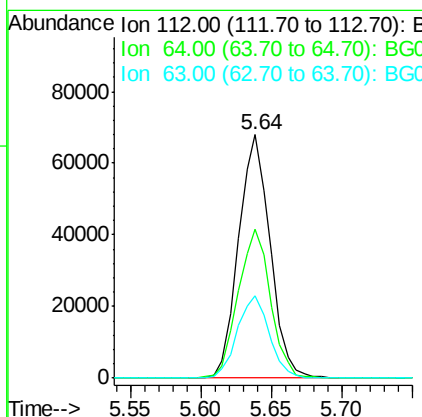
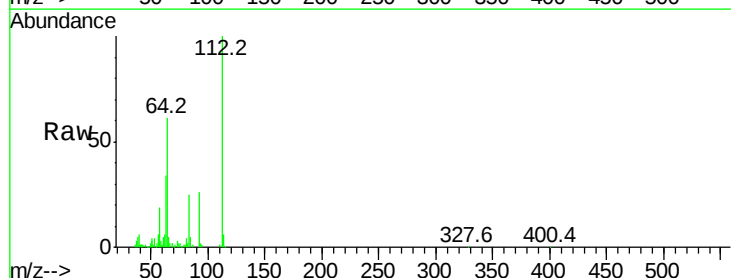
Tot Ion:152 Resp: 44769  
Ion Ratio Lower Upper  
152 100  
150 146.1 126.6 189.8  
115 57.2 53.0 79.4

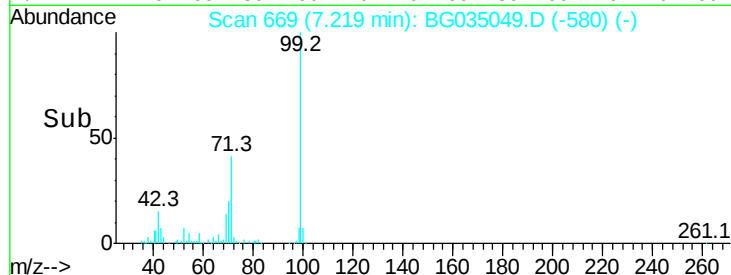
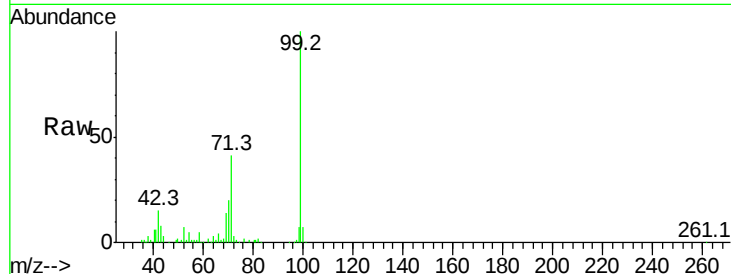
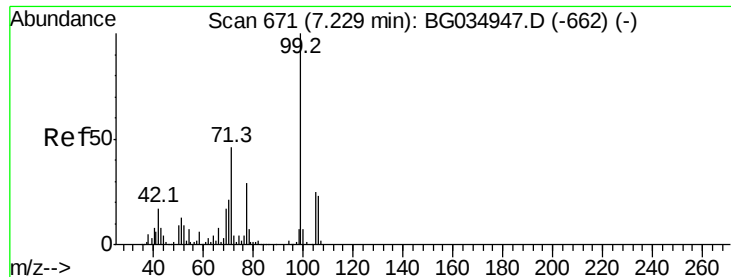


#5

2-Fluorophenol  
Concen: 39.945 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

Tgt Ion:112 Resp: 105966  
Ion Ratio Lower Upper  
112 100  
64 61.2 56.3 84.5  
63 33.8 30.1 45.1





#7

Phenol-d6

Concen: 25.402 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035049.D

Acq: 12 Jun 2018 2:38

Instrument :

BNA\_M

ClientSampleId :

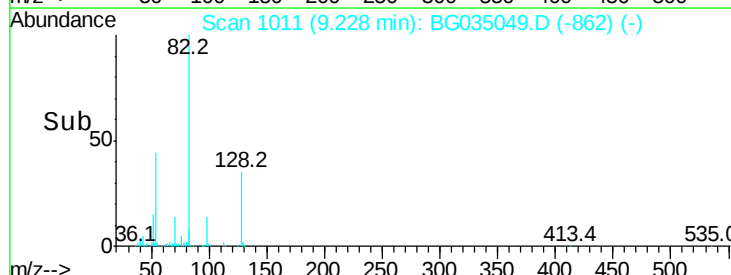
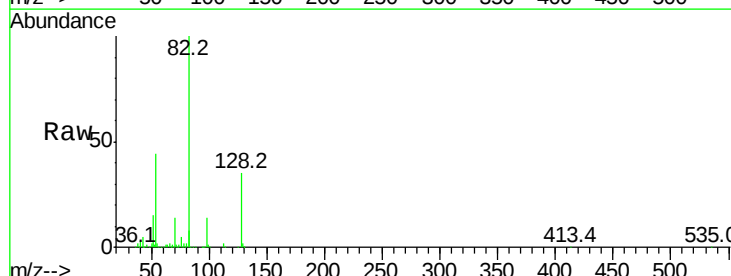
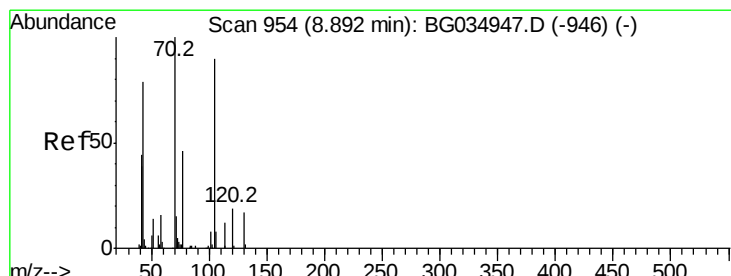
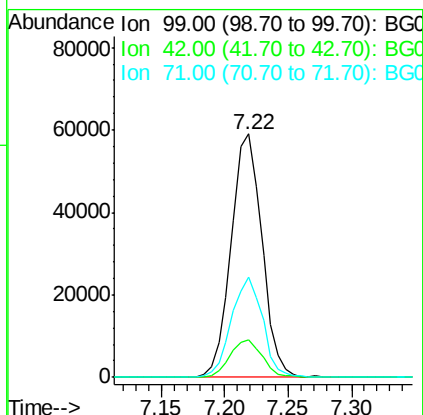
Tot Ion: 99 Resp: 99459

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

71 41.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.128 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG035049.D

Acq: 12 Jun 2018 2:38

Tgt Ion: 70 Resp: 50321

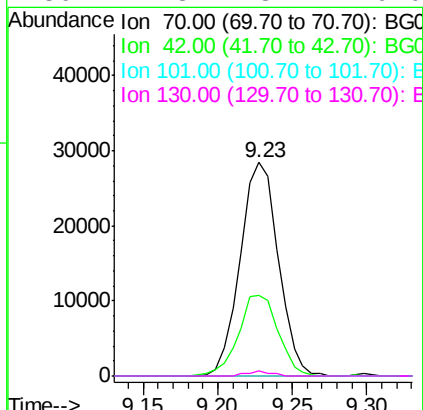
Ion Ratio Lower Upper

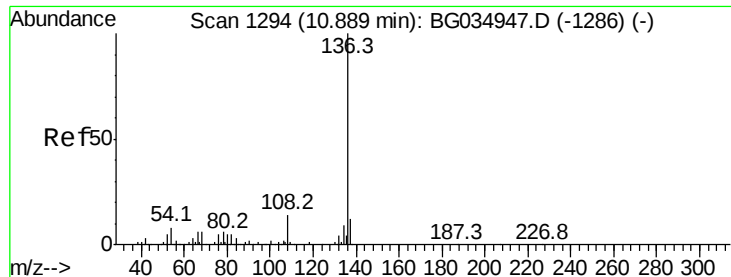
70 100

42 37.7 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

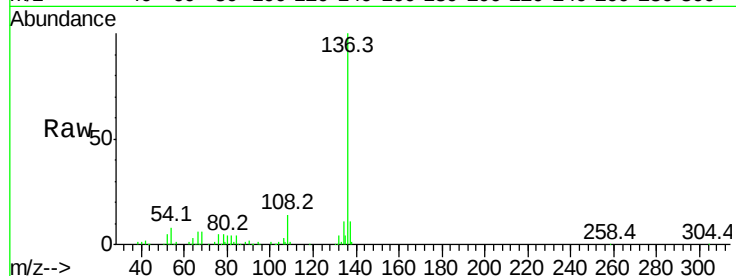




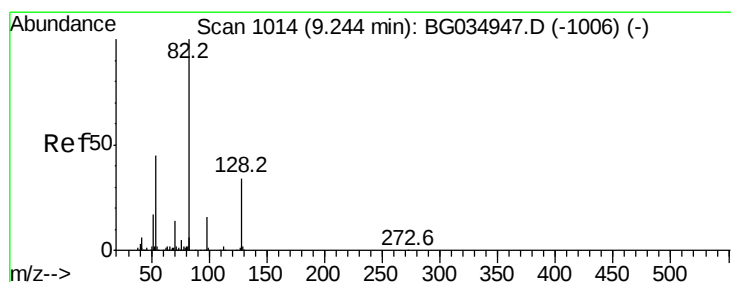
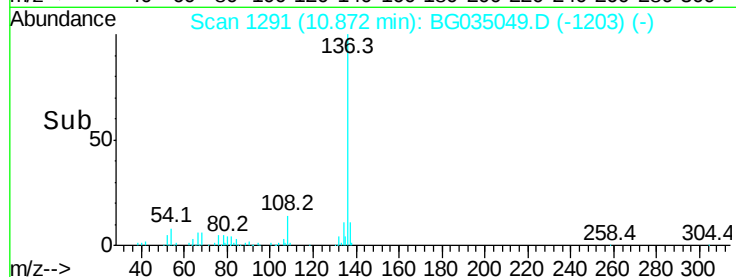
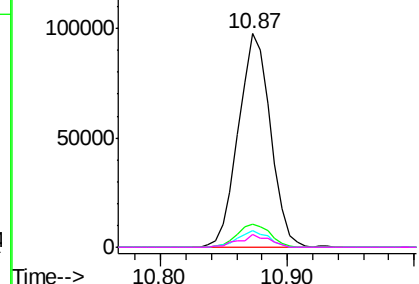
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1291  
Delta R.T. -0.01 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 171108 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.2   | 13.8   |
| 54       | 7.8   | 10.3  | 15.5   |
| 68       | 6.2   | 4.5   | 6.7    |

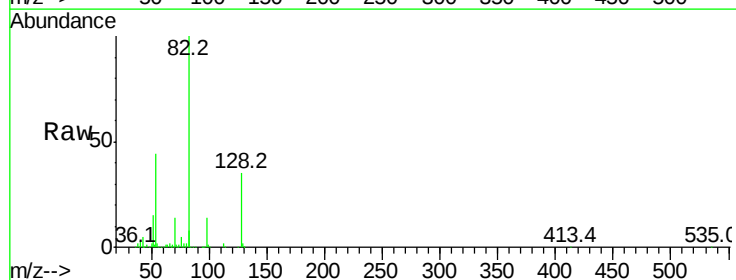


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

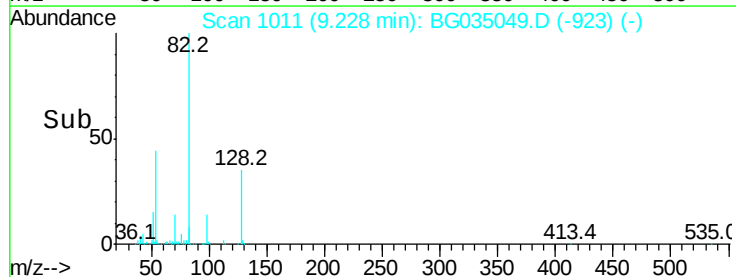
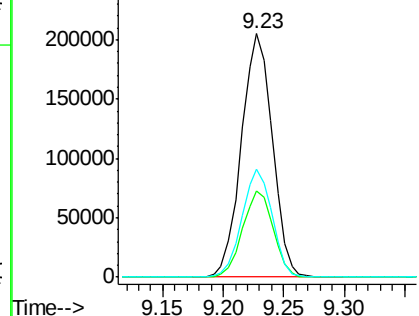


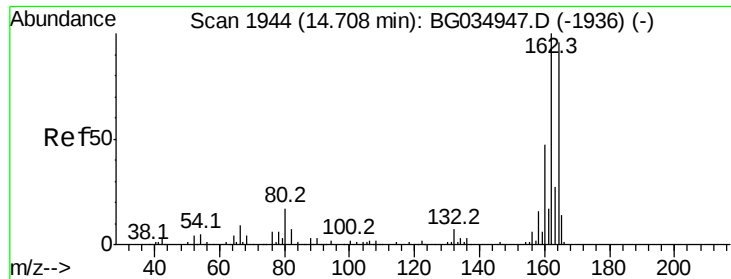
#23  
Nitrobenzene-d5  
Concen: 102.174 ng  
RT: 9.23 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 367792 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.3  | 29.7  | 44.5   |
| 54       | 44.1  | 43.1  | 64.7   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC

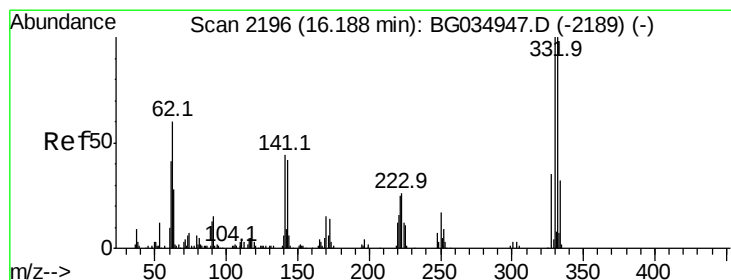
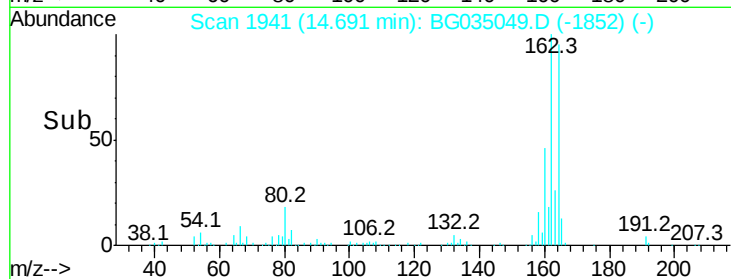
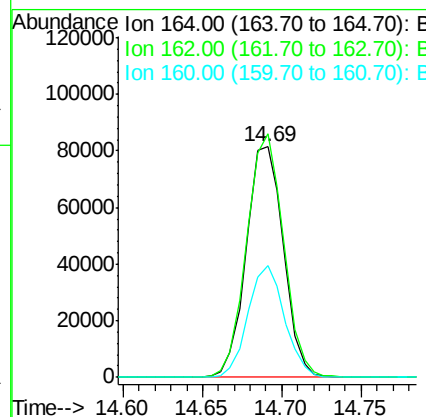
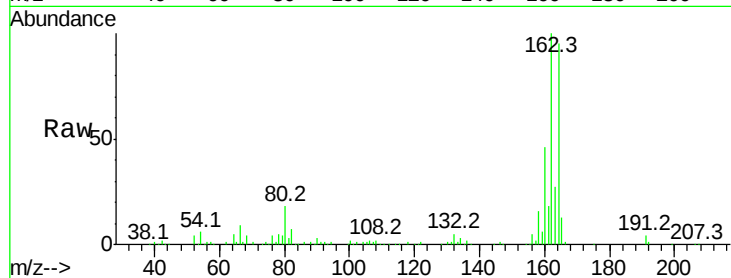




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.69 min Scan# 1941  
 Delta R.T. -0.01 min  
 Lab File: BG035049.D  
 Acq: 12 Jun 2018 2:38

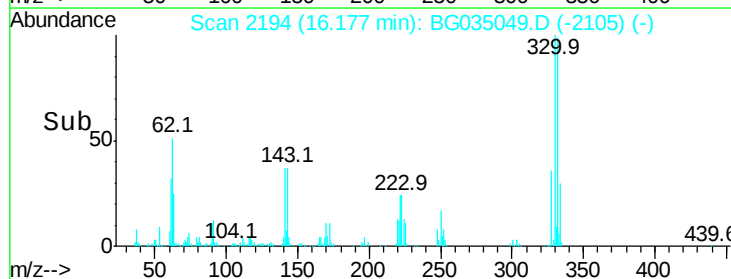
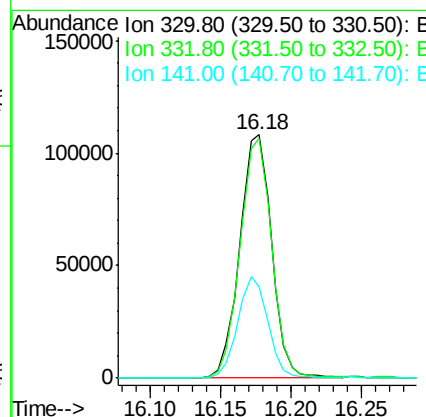
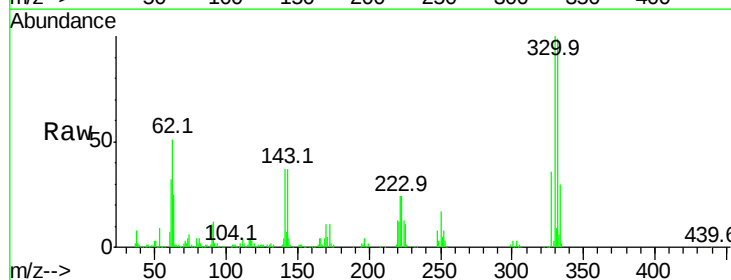
Instrument :  
 BNA\_M  
 ClientSampleId :

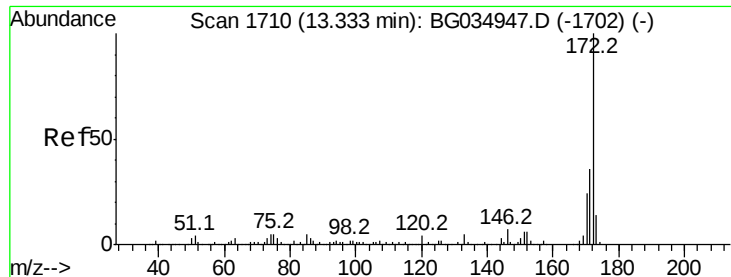
Tot Ion:164 Resp: 133098  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 78.8 118.2  
 160 48.7 35.4 53.0



#41  
 2,4,6-Tribromophenol  
 Concen: 100.406 ng  
 RT: 16.18 min Scan# 2194  
 Delta R.T. -0.01 min  
 Lab File: BG035049.D  
 Acq: 12 Jun 2018 2:38

Tgt Ion:330 Resp: 171074  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 77.0 115.6  
 141 39.3 25.2 37.8#

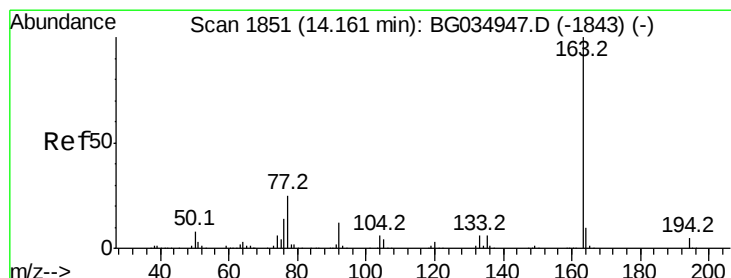
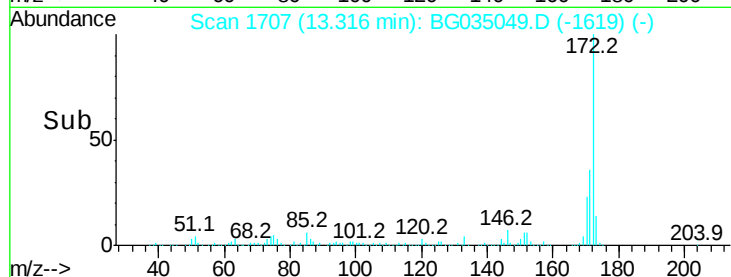
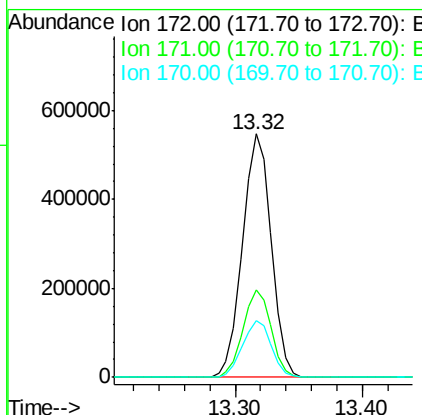
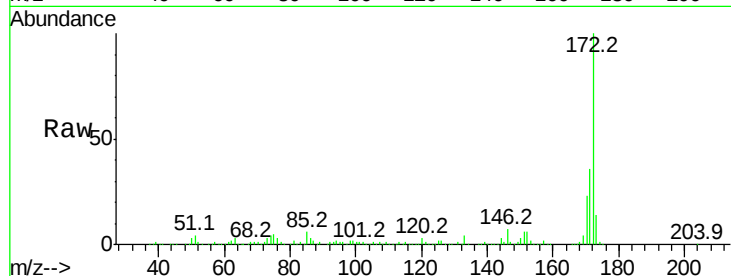




#44  
2-Fluorobiphenyl  
Concen: 84.084 ng  
RT: 13.32 min Scan# 1707  
Delta R.T. -0.01 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

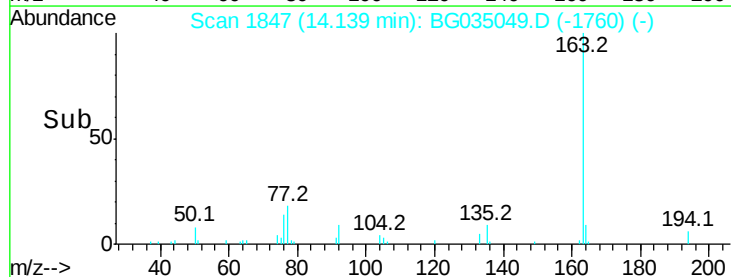
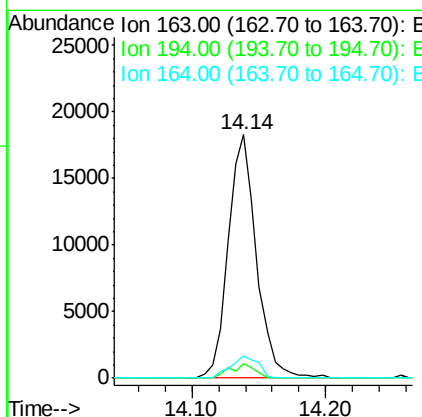
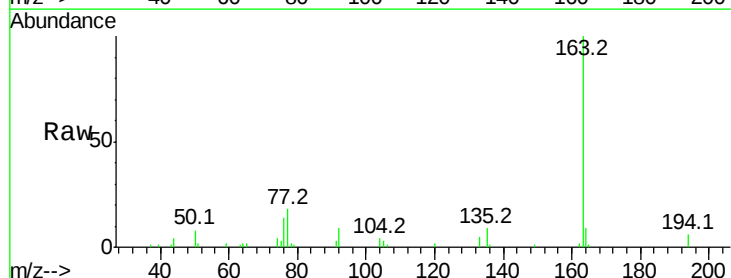
Instrument :  
BNA\_M  
ClientSampleId :

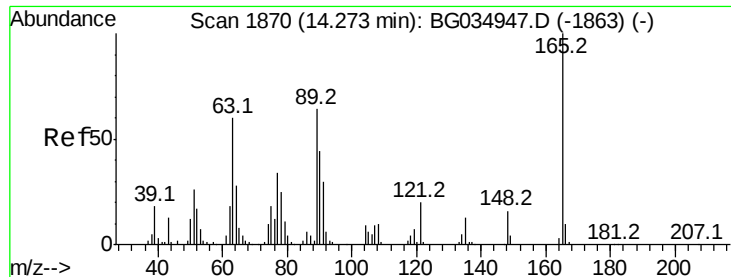
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 30.0  | 45.0  |
| 170     | 23.3  | 19.5  | 29.3  |



#49  
Dimethylphthalate  
Concen: 2.321 ng  
RT: 14.14 min Scan# 1847  
Delta R.T. -0.02 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.9   | 3.4   | 5.2#  |
| 164     | 8.9   | 8.2   | 12.4  |

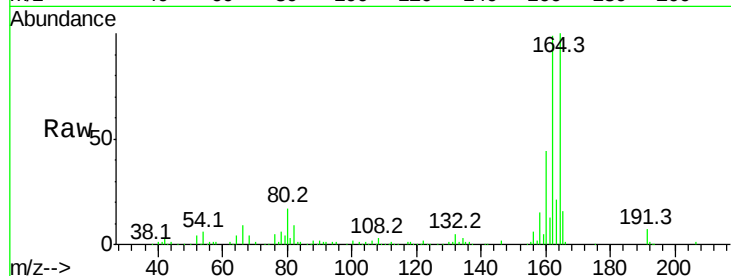




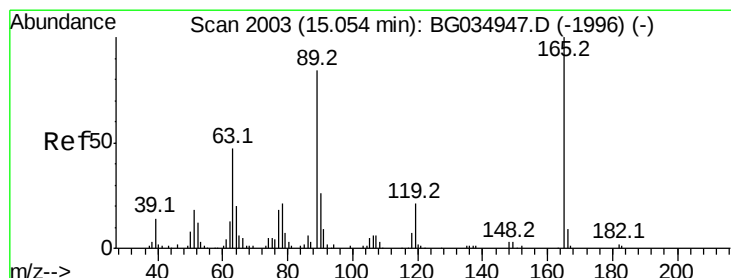
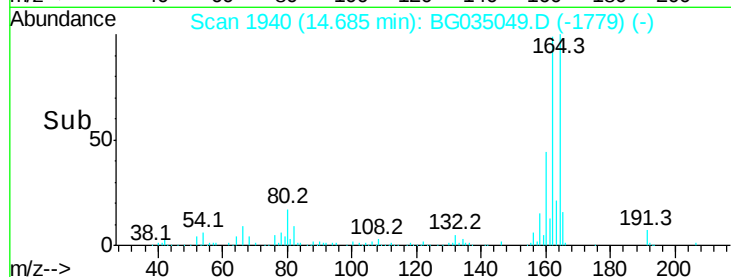
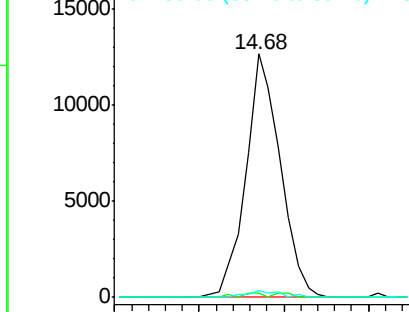
#50  
2,6-Dinitrotoluene  
Concen: 8.469 ng  
RT: 14.68 min Scan# 1940  
Delta R.T. 0.42 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:165 Resp: 17932  
Ion Ratio Lower Upper  
165 100  
63 1.9 52.7 79.1#  
89 2.6 49.2 73.8#

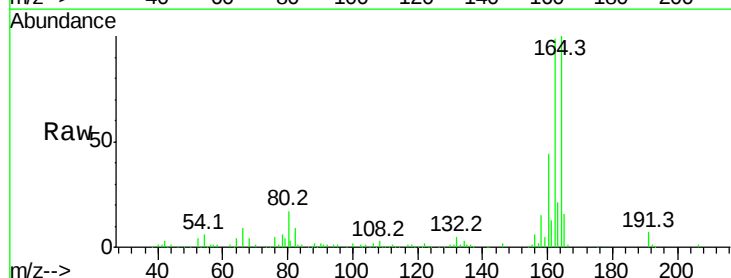


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC

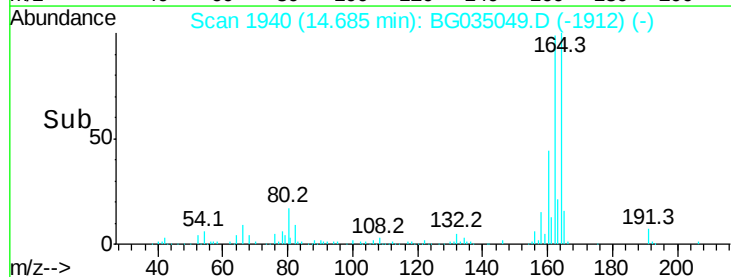
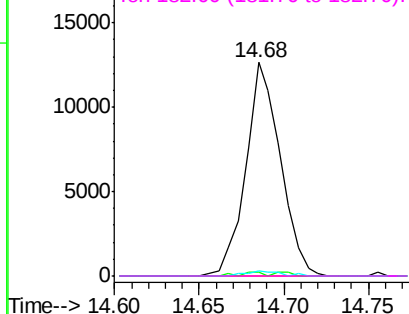


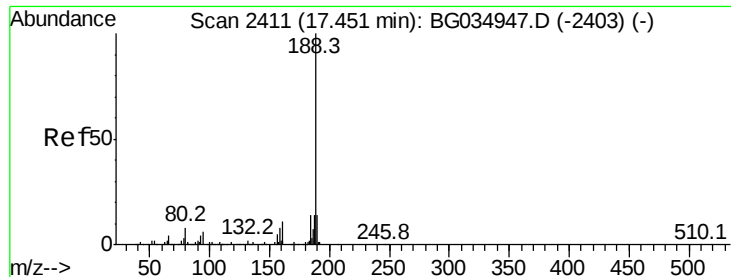
#56  
2,4-Dinitrotoluene  
Concen: 6.375 ng  
RT: 14.68 min Scan# 1940  
Delta R.T. -0.36 min  
Lab File: BG035049.D  
Acq: 12 Jun 2018 2:38

Tgt Ion:165 Resp: 17932  
Ion Ratio Lower Upper  
165 100  
63 1.9 42.0 63.0#  
89 2.6 66.9 100.3#  
182 0.0 2.6 3.8#



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  
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG035049.D

Acq: 12 Jun 2018 2:38

Instrument :

BNA\_M

ClientSampleId :

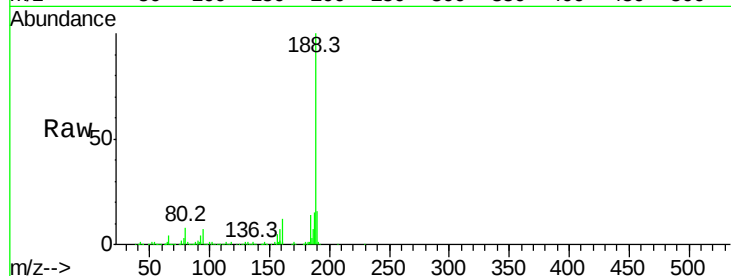
Tot Ion:188 Resp: 358274

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

80 7.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.43

250000

200000

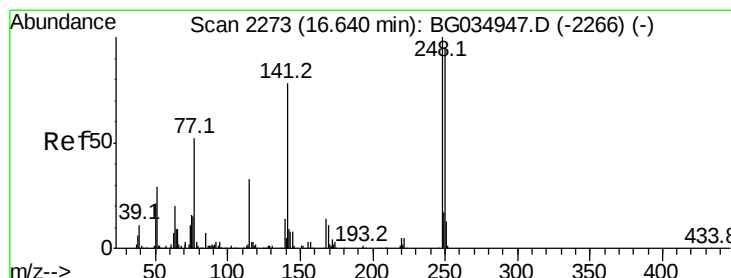
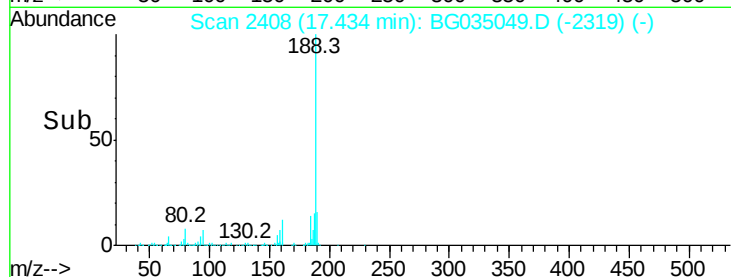
150000

100000

50000

0

Time--> 17.35 17.40 17.45 17.50



#66

4-Bromophenyl-phenylether

Concen: 3.252 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG035049.D

Acq: 12 Jun 2018 2:38

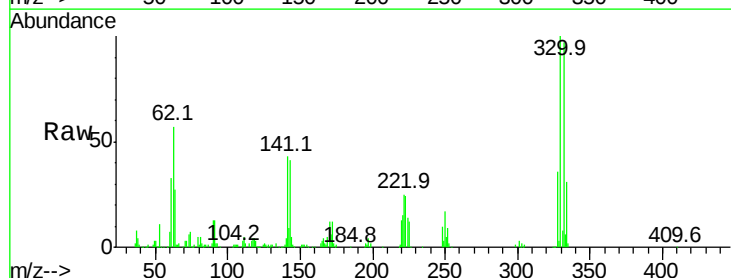
Tgt Ion:248 Resp: 14029

Ion Ratio Lower Upper

248 100

250 175.4 77.1 115.7#

141 439.4 50.8 76.2#



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

60000

50000

40000

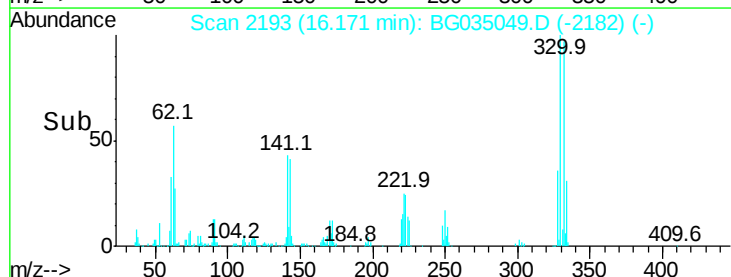
30000

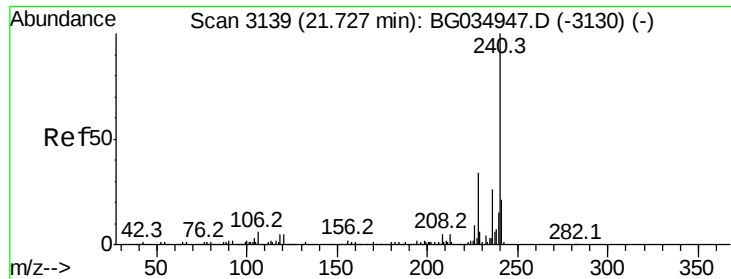
20000

10000

0

Time--> 16.10 16.15 16.20





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BG035049.D

Acq: 12 Jun 2018 2:38

Instrument :

BNA\_M

ClientSampleId :

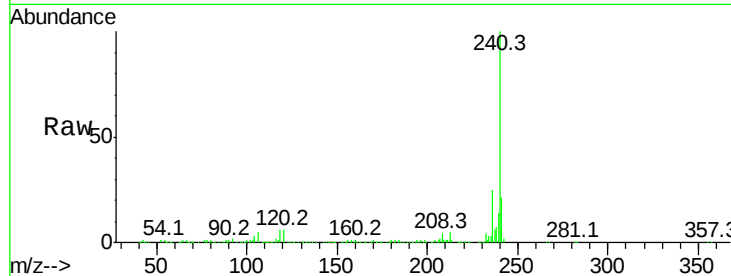
Tot Ion:240 Resp: 395832

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

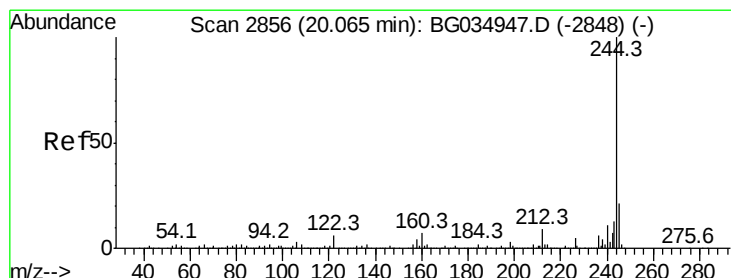
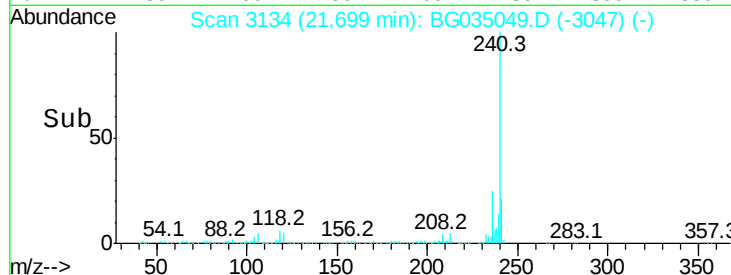
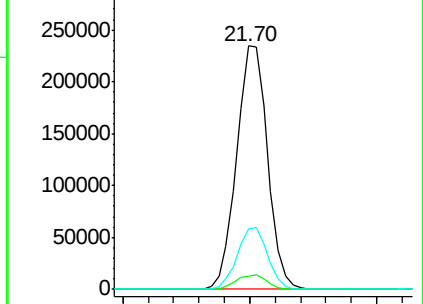
236 24.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 80.484 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG035049.D

Acq: 12 Jun 2018 2:38

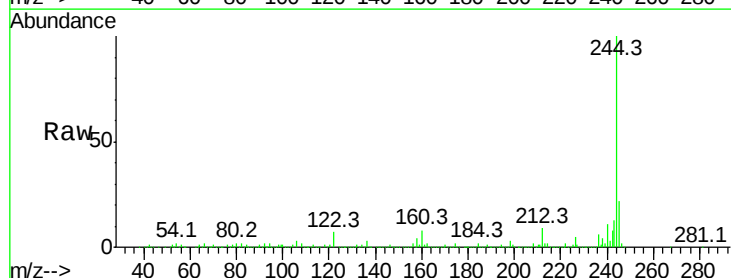
Tgt Ion:244 Resp: 1520912

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

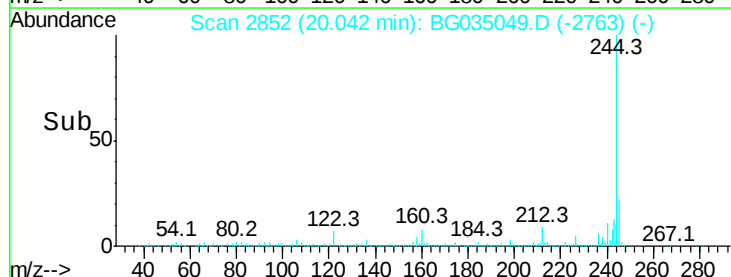
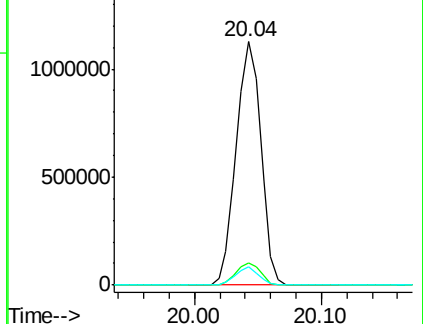
122 7.3 7.0 10.4

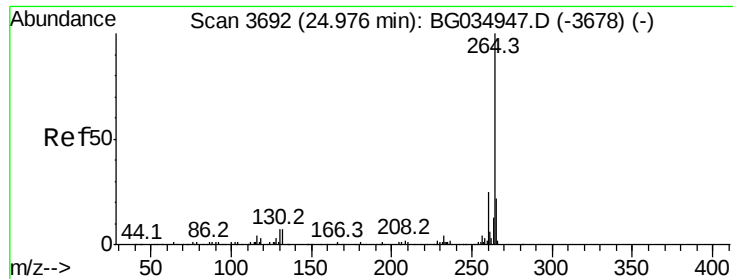


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

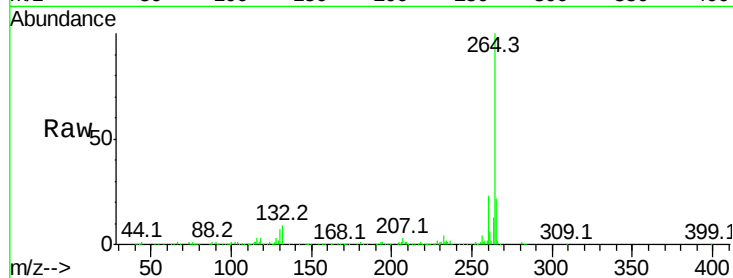




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.94 min Scan# 3685  
 Delta R.T. -0.02 min  
 Lab File: BG035049.D  
 Acq: 12 Jun 2018 2:38

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 17.4  | 26.0  |
| 265     | 21.7  | 17.7  | 26.5  |



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

