

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG062217\  
 Data File : BG027631.D  
 Acq On : 23 Jun 2017 14:32  
 Operator : SJ/JU  
 Sample : I3657-13  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-103I

Quant Time: Jun 23 15:21:23 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 21 18:52:15 2017  
 Response via : Initial Calibration

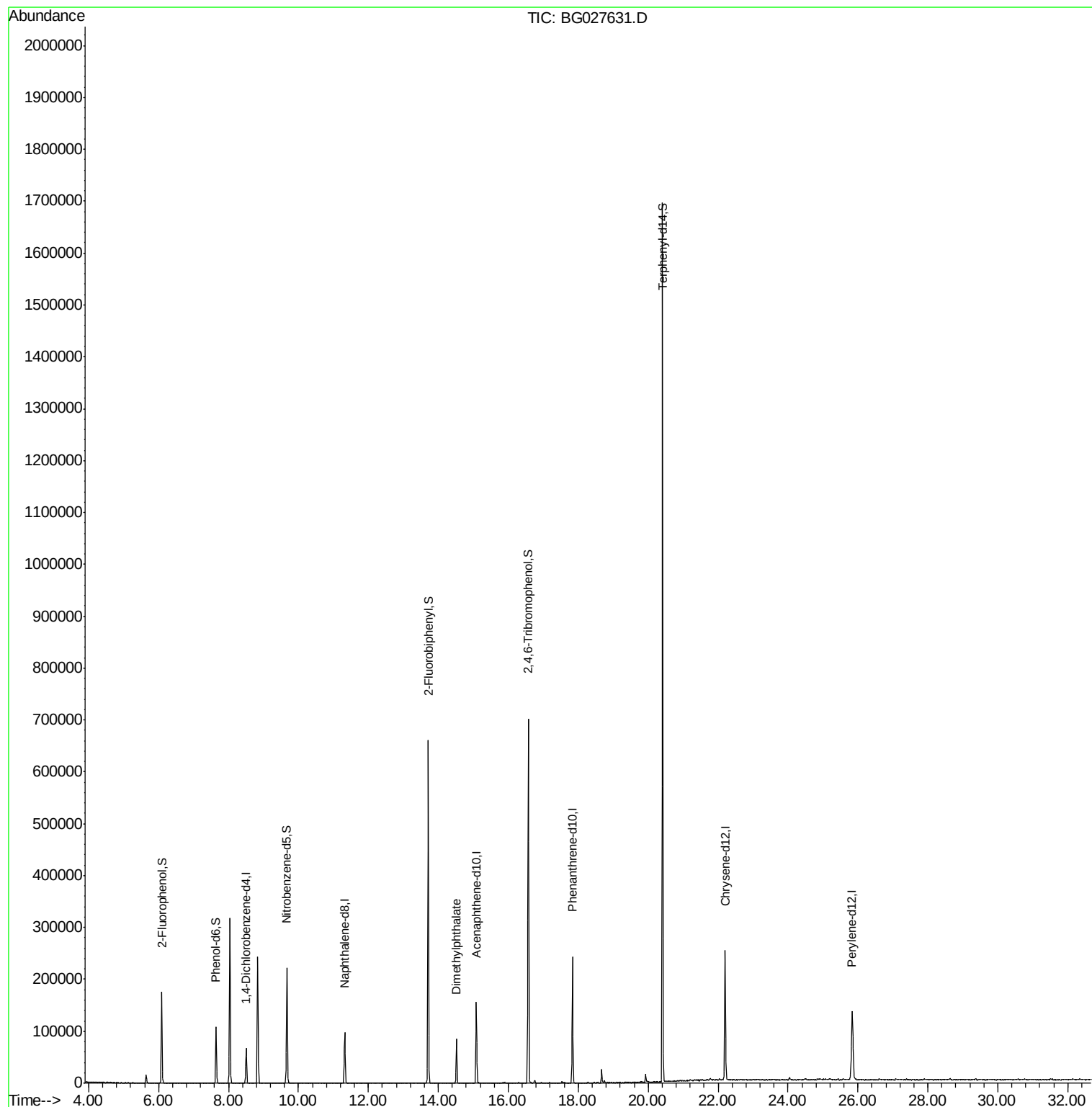
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.51  | 152  | 17897    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.32 | 136  | 79742    | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 15.09 | 164  | 52264    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.84 | 188  | 152986   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 22.20 | 240  | 169002   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 25.83 | 264  | 163587   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 6.09  | 112  | 70892    | 56.38  | ng    | 0.00         |
| 7) Phenol-d6                | 7.64  | 99   | 60769    | 32.64  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.67  | 82   | 141699   | 84.08  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.58 | 330  | 133205   | 170.96 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.71 | 172  | 327153   | 85.51  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.41 | 244  | 726147   | 101.23 | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.52 | 163  | 50423    | 11.02  | ng    | Qvalue<br>96 |

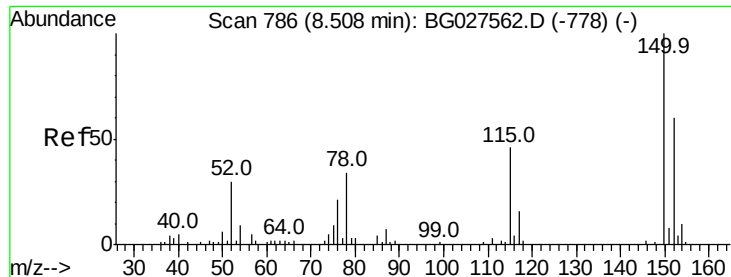
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG062217\  
Data File : BG027631.D  
Acq On : 23 Jun 2017 14:32  
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Sample : I3657-13  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-103I

Quant Time: Jun 23 15:21:23 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 18:52:15 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.51 min Scan# 786

Delta R.T. 0.00 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

Instrument :

BNA\_G

ClientSampleId :

MW-103I

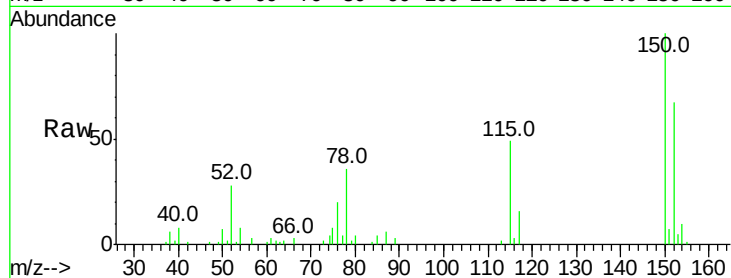
Tot Ion:152 Resp: 17897

Ion Ratio Lower Upper

152 100

150 150.4 114.0 171.0

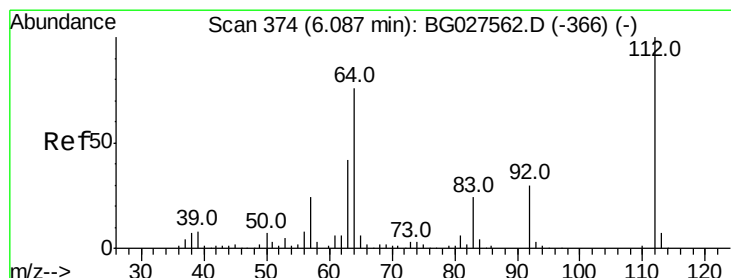
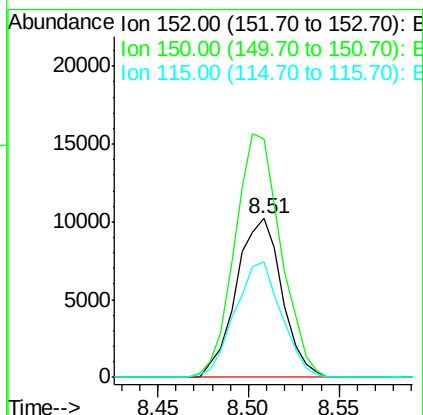
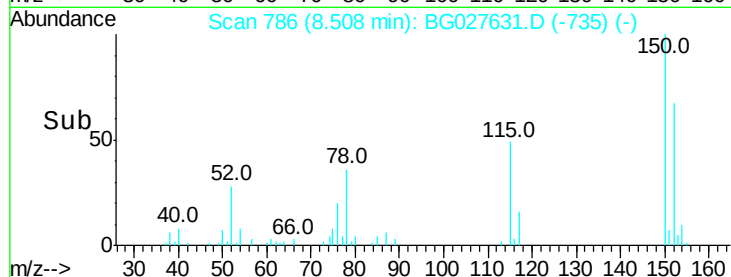
115 73.2 48.1 72.1#



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: 56.38 ng

RT: 6.09 min Scan# 374

Delta R.T. 0.00 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

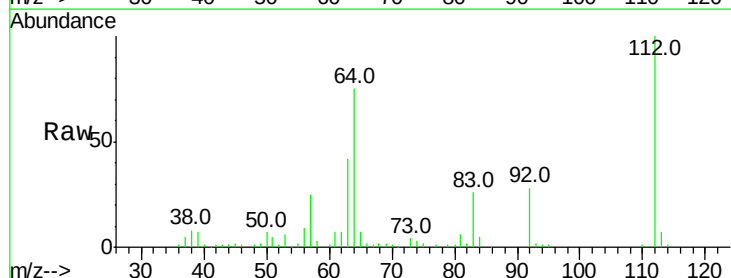
Tgt Ion:112 Resp: 70892

Ion Ratio Lower Upper

112 100

64 75.1 61.8 92.6

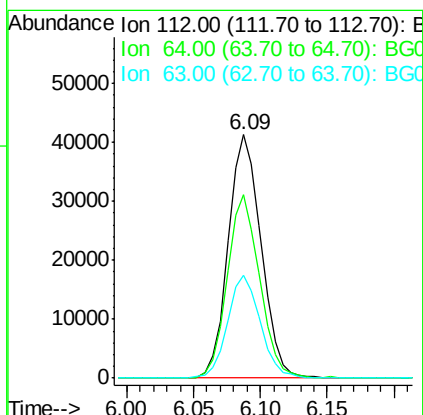
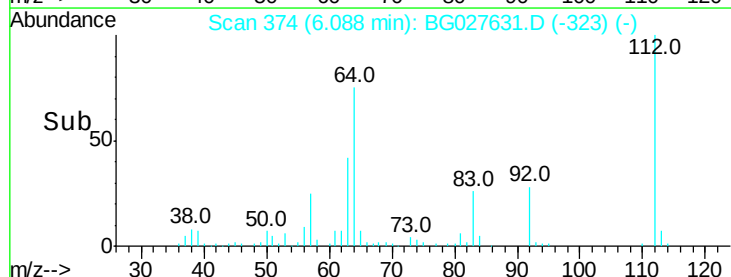
63 42.1 37.2 55.8

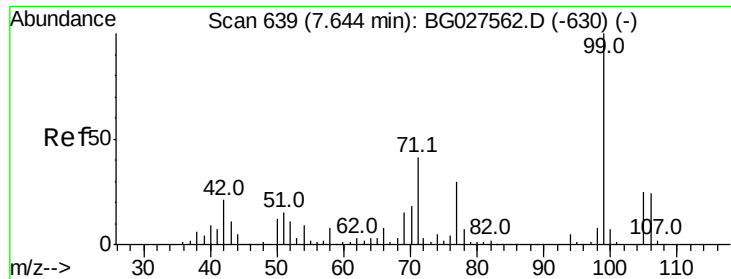


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.64 ng

RT: 7.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

Instrument :

BNA\_G

ClientSampleId :

MW-103I

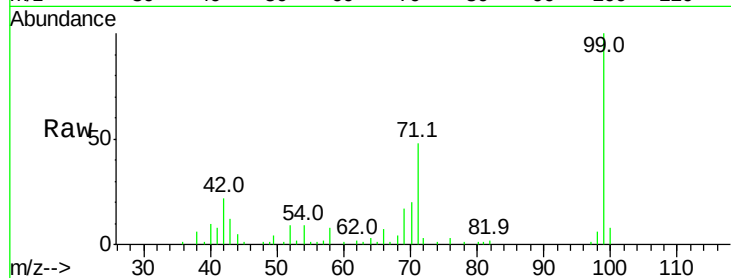
Tot Ion: 99 Resp: 60769

Ion Ratio Lower Upper

99 100

42 22.2 20.5 30.7

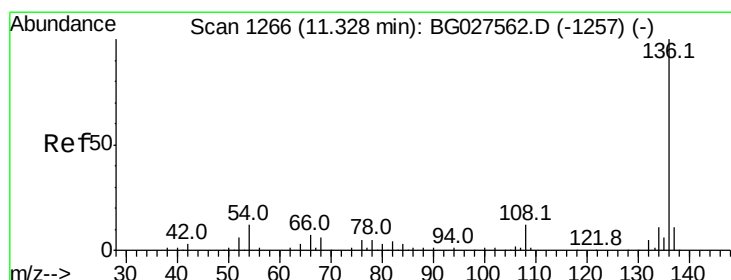
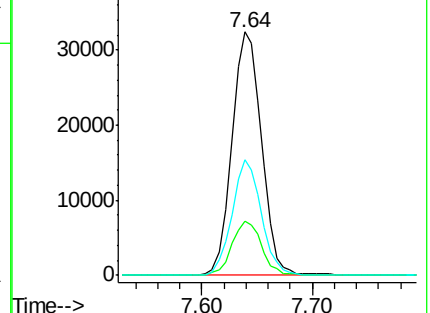
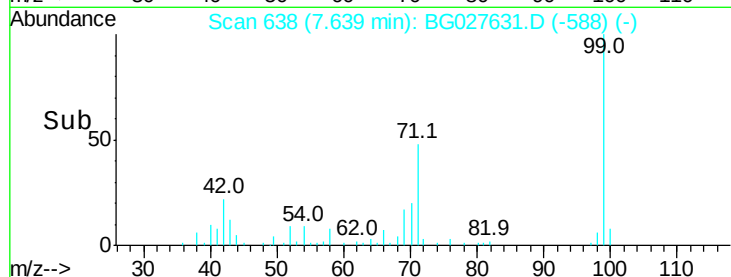
71 47.7 37.6 56.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.32 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

Tgt Ion: 136 Resp: 79742

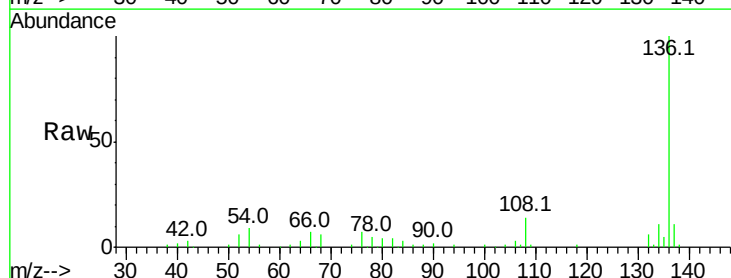
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.7 9.3 13.9#

68 5.5 5.1 7.7

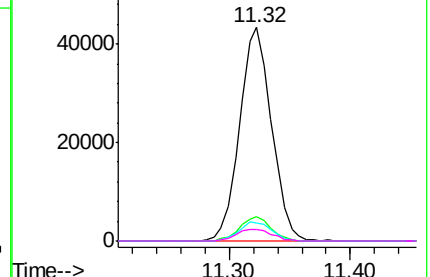
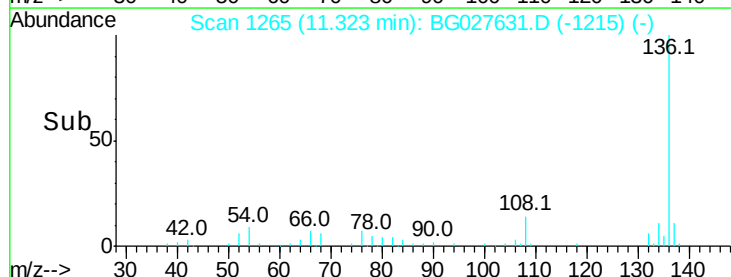


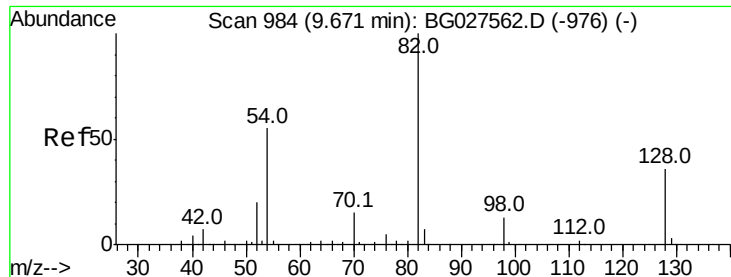
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

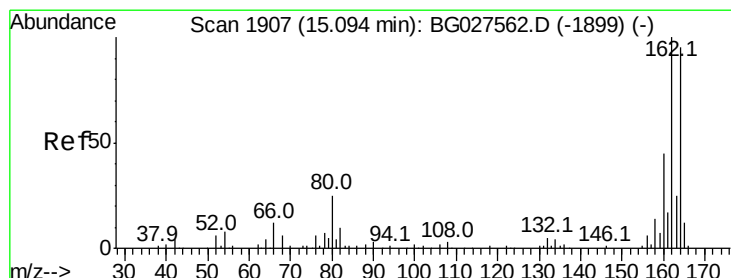
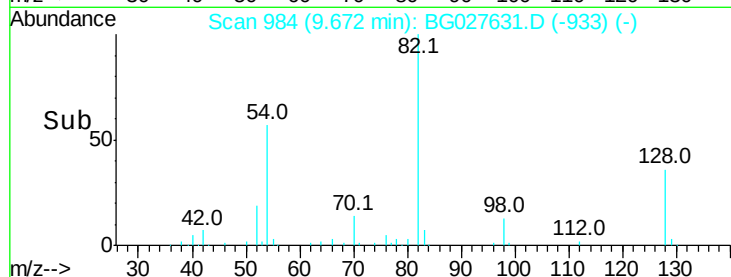
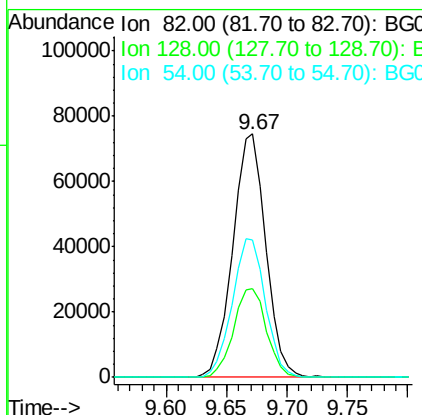
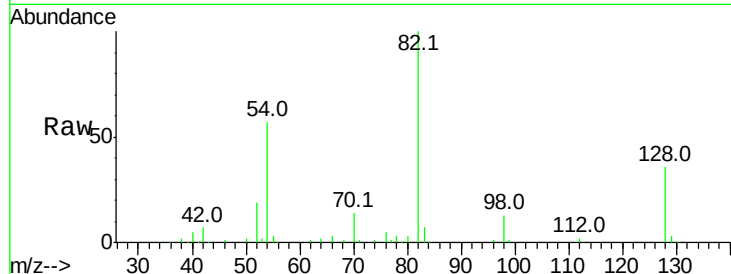




#23  
 Nitrobenzene-d5  
 Concen: 84.08 ng  
 RT: 9.67 min Scan# 984  
 Delta R.T. 0.00 min  
 Lab File: BG027631.D  
 Acq: 23 Jun 2017 14:32

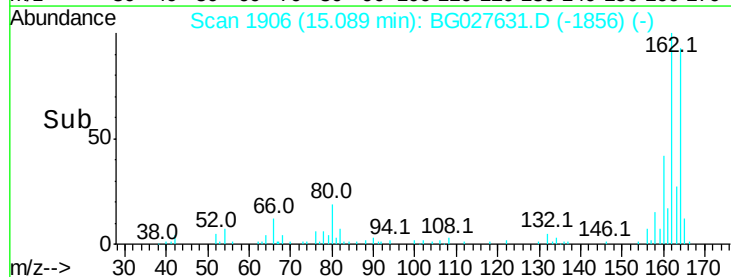
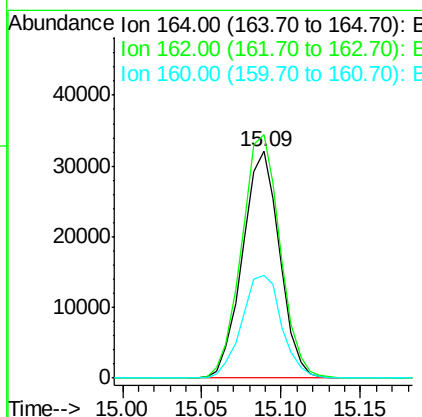
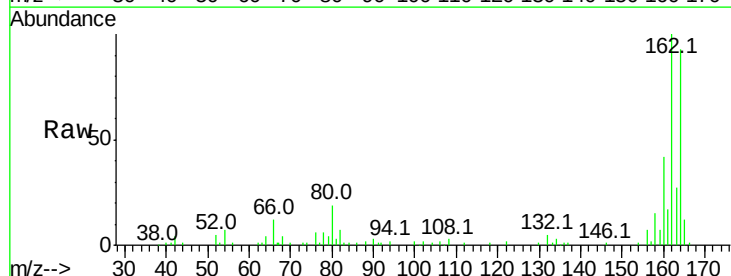
Instrument :  
 BNA\_G  
 ClientSampleID :  
 MW-103I

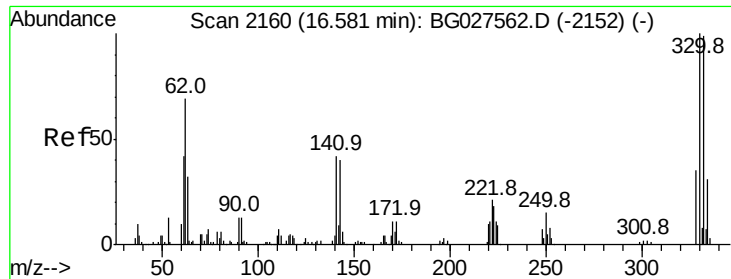
| Tot Ion   | 82    | Resp  | 141699 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.5  | 26.4  | 39.6   |
| 54        | 56.5  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.09 min Scan# 1906  
 Delta R.T. -0.01 min  
 Lab File: BG027631.D  
 Acq: 23 Jun 2017 14:32

| Tgt Ion   | 164   | Resp  | 52264 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 107.3 | 85.1  | 127.7 |
| 160       | 45.2  | 34.7  | 52.1  |





#41

2,4,6-Tribromophenol

Concen: 170.96 ng

RT: 16.58 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

Instrument :

BNA\_G

ClientSampleId :

MW-103I

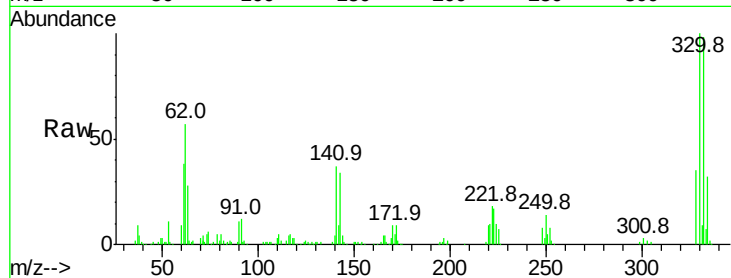
Tot Ion:330 Resp: 133205

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

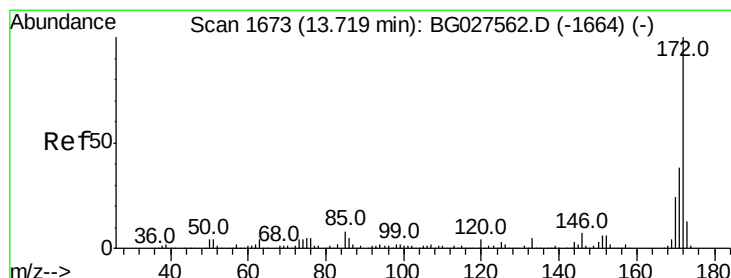
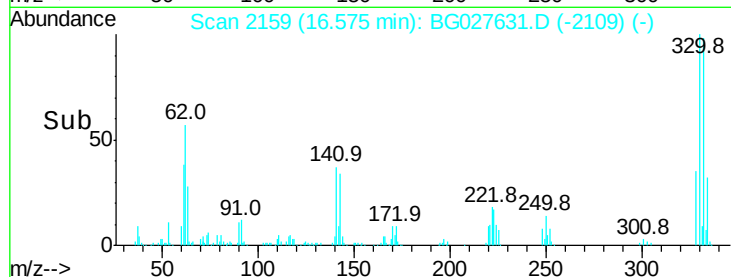
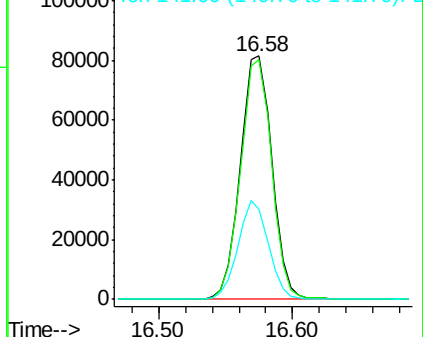
141 38.9 32.1 48.1



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



#44

2-Fluorobiphenyl

Concen: 85.51 ng

RT: 13.71 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

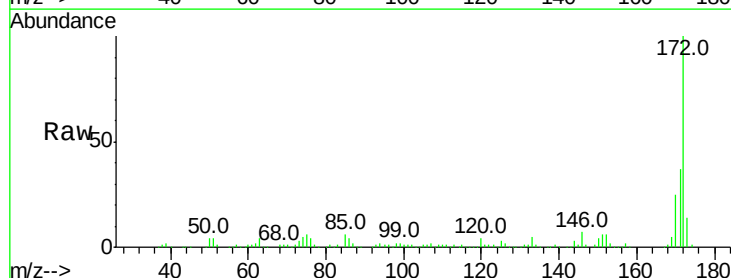
Tgt Ion:172 Resp: 327153

Ion Ratio Lower Upper

172 100

171 36.6 32.2 48.2

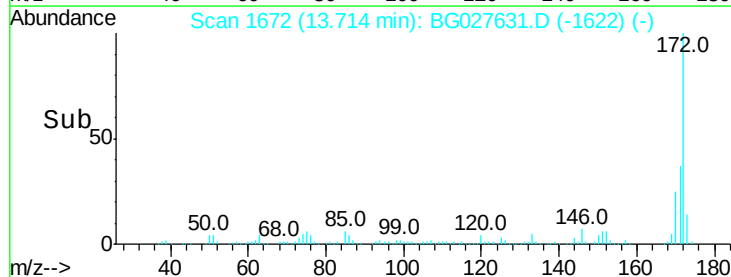
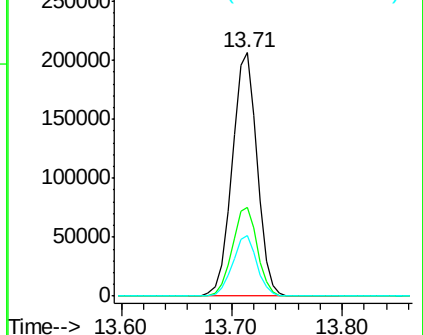
170 24.8 21.8 32.6

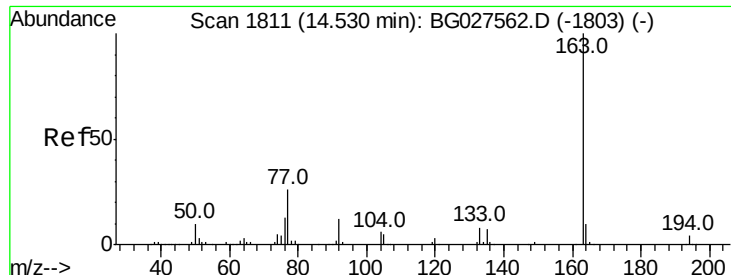


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.02 ng

RT: 14.52 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

Instrument :

BNA\_G

ClientSampleId :

MW-103I

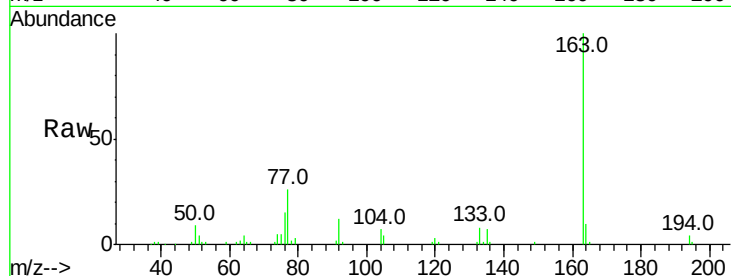
Tot Ion:163 Resp: 50423

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.6

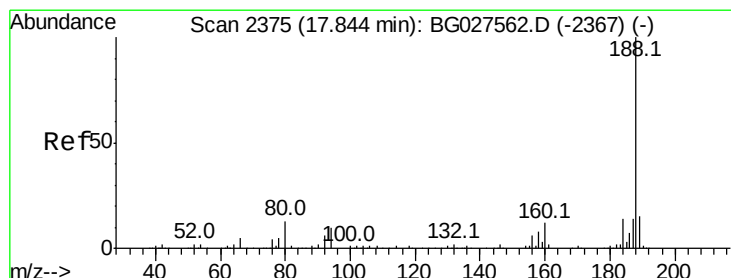
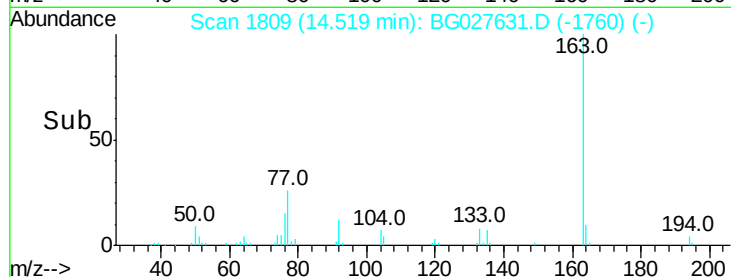
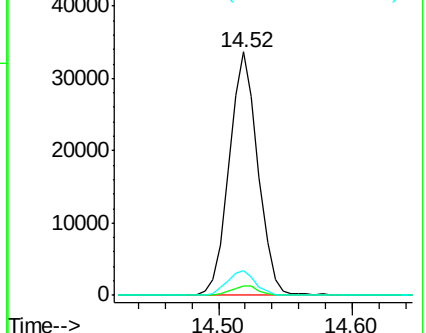
164 10.1 9.3 13.9



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.84 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

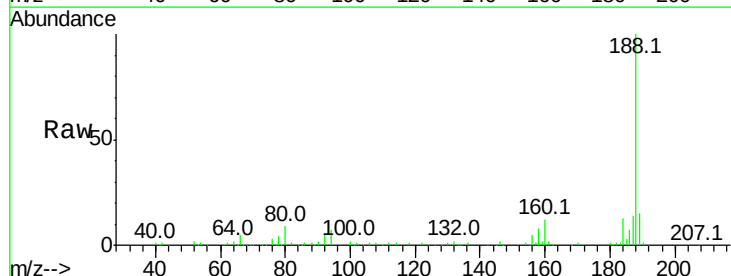
Tgt Ion:188 Resp: 152986

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.8

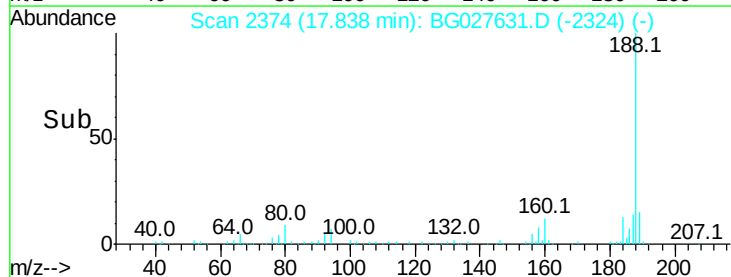
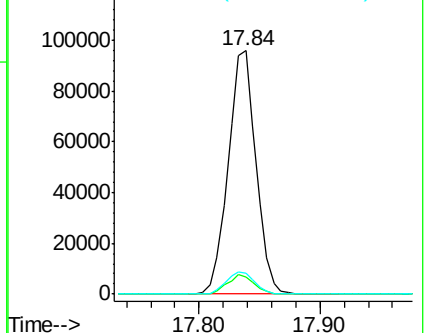
80 8.6 7.5 11.3

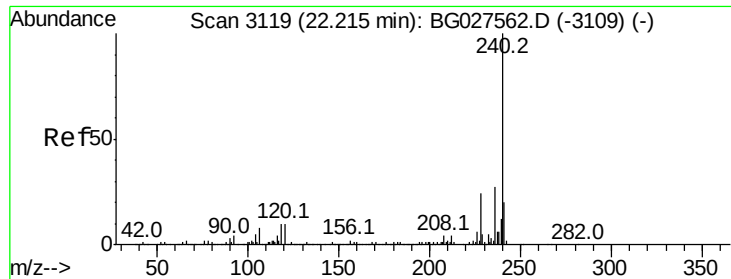


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.20 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

Instrument :

BNA\_G

ClientSampleId :

MW-103I

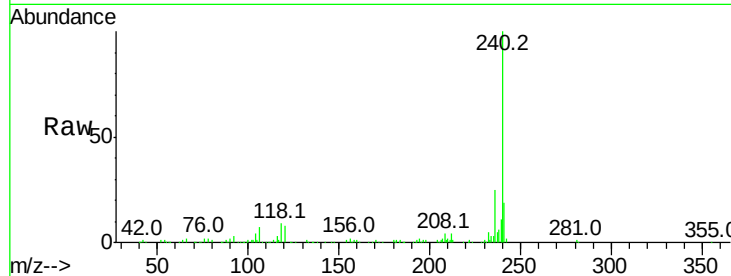
Tot Ion:240 Resp: 169002

Ion Ratio Lower Upper

240 100

120 8.5 5.7 8.5

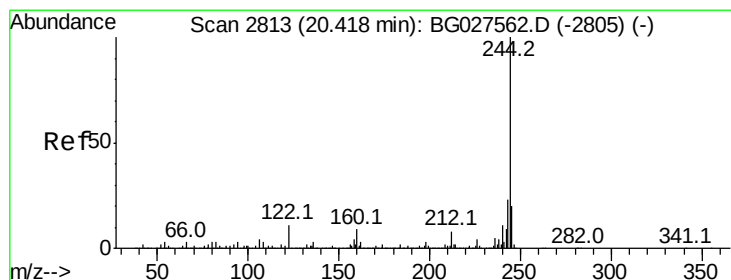
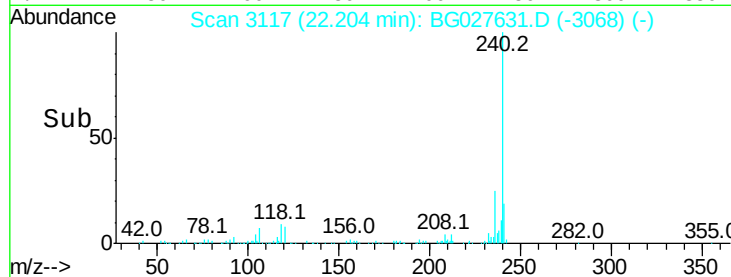
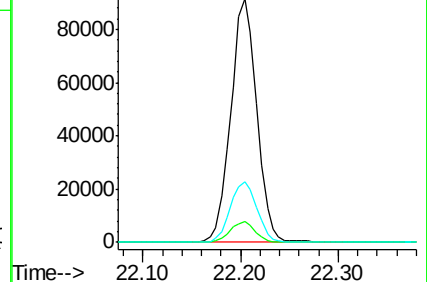
236 25.0 22.2 33.4



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: 101.23 ng

RT: 20.41 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG027631.D

Acq: 23 Jun 2017 14:32

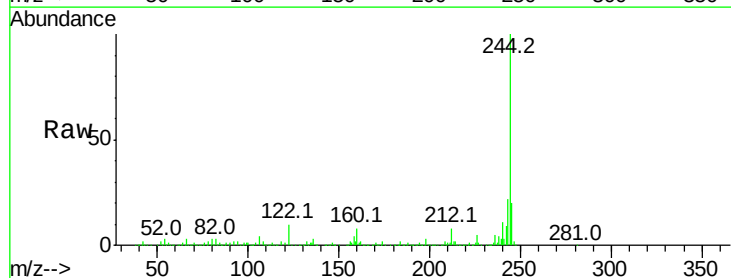
Tgt Ion:244 Resp: 726147

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

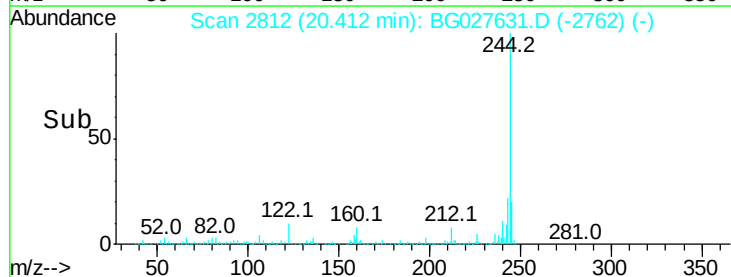
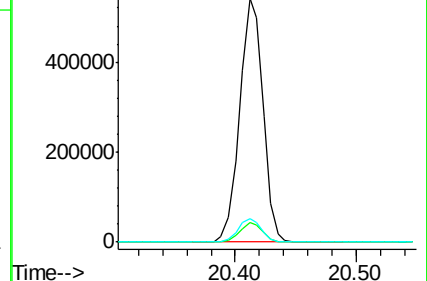
122 9.7 8.6 12.8



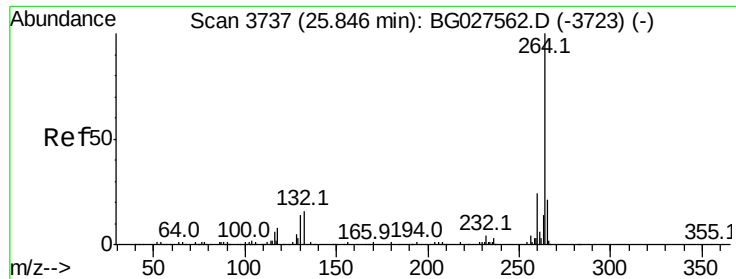
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.83 min Scan# 3735  
 Delta R.T. -0.01 min  
 Lab File: BG027631.D  
 Acq: 23 Jun 2017 14:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-103I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.9  | 21.8  | 32.8  |
| 265     | 22.4  | 18.2  | 27.4  |

