

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062417\  
 Data File : BG027667.D  
 Acq On : 24 Jun 2017 20:08  
 Operator : SJ/JU  
 Sample : I3841-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 26 04:21:46 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

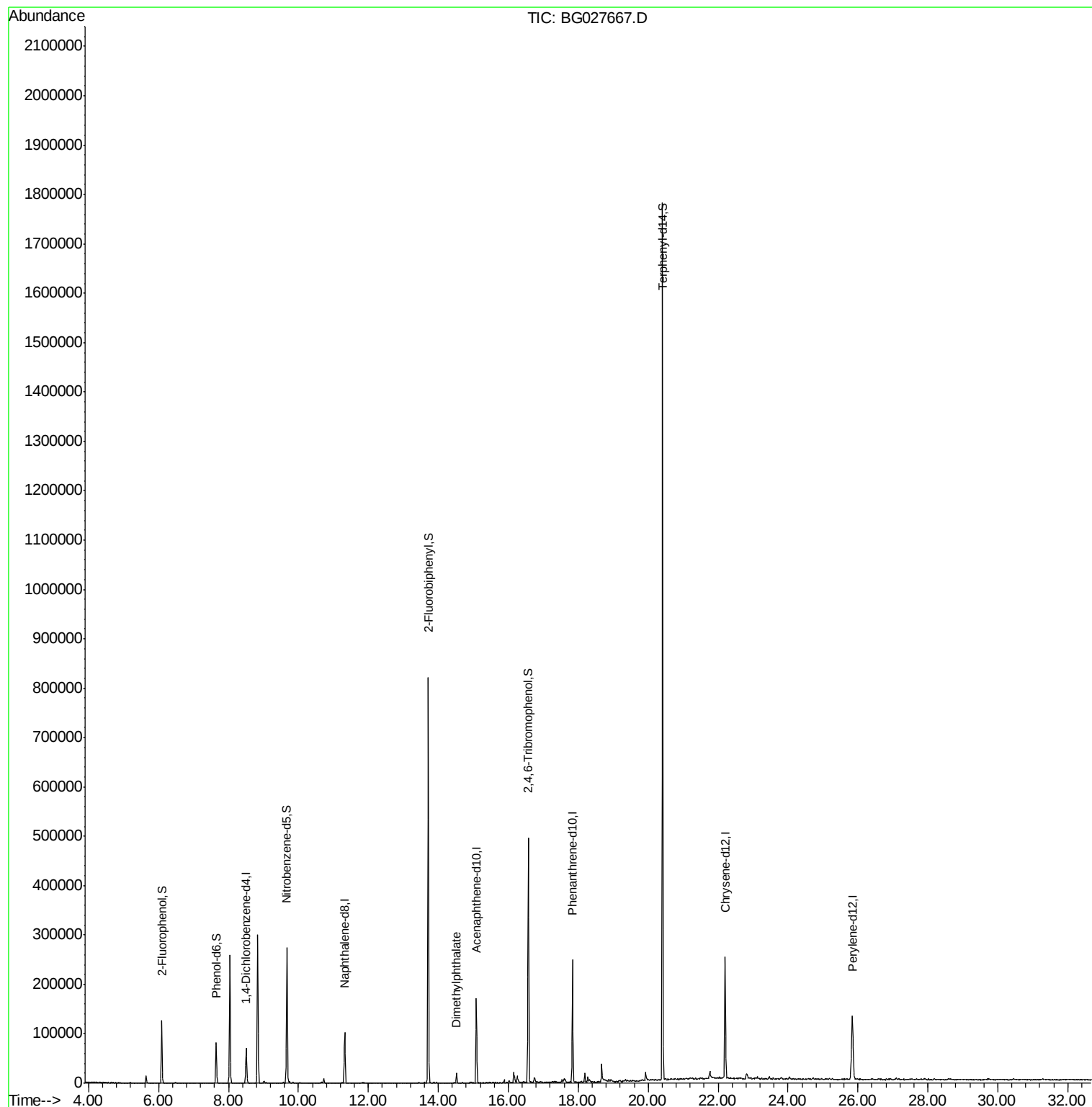
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.50  | 152  | 18291    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.32 | 136  | 87212    | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 15.09 | 164  | 56790    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.84 | 188  | 152792   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 22.20 | 240  | 166944   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 25.84 | 264  | 157612   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 6.09  | 112  | 52800    | 41.08  | ng    | 0.00           |
| 7) Phenol-d6                | 7.64  | 99   | 45011    | 23.66  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.67  | 82   | 174934   | 94.91  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.57 | 330  | 86955    | 102.71 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.71 | 172  | 410745   | 98.80  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.41 | 244  | 770090   | 108.68 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.52 | 163  | 11751    | 2.36   | ng    | Qvalue<br># 95 |

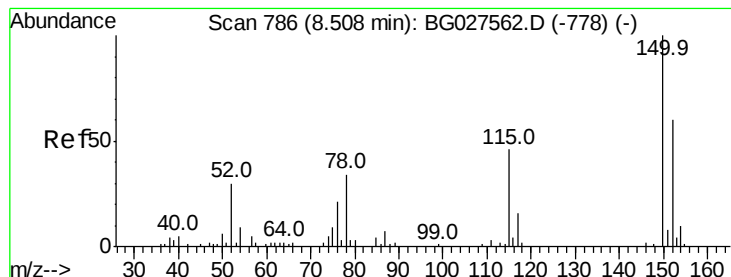
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :

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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



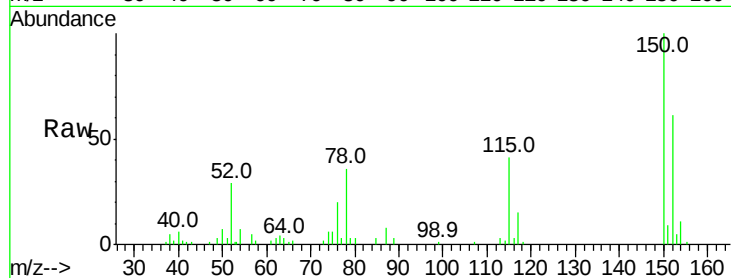


#1

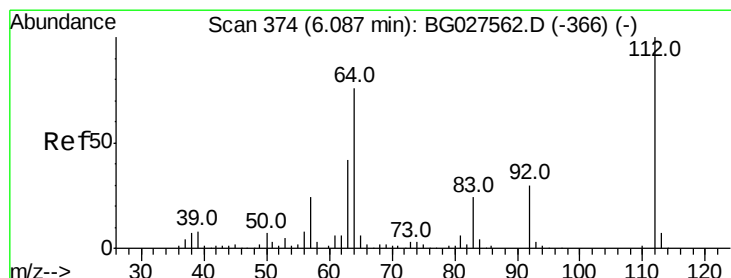
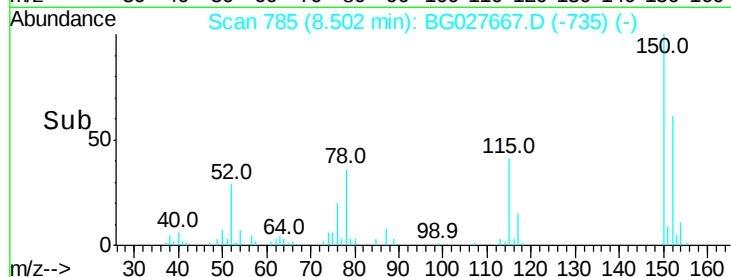
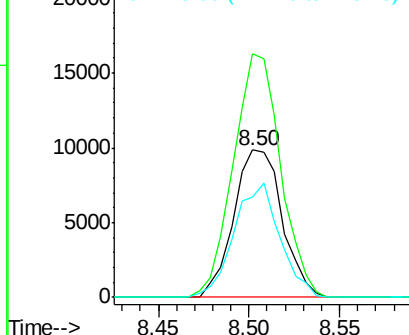
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.50 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BG027667.D  
Acq: 24 Jun 2017 20:08

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 18291  
Ion Ratio Lower Upper  
152 100  
150 165.2 114.0 171.0  
115 68.3 48.1 72.1



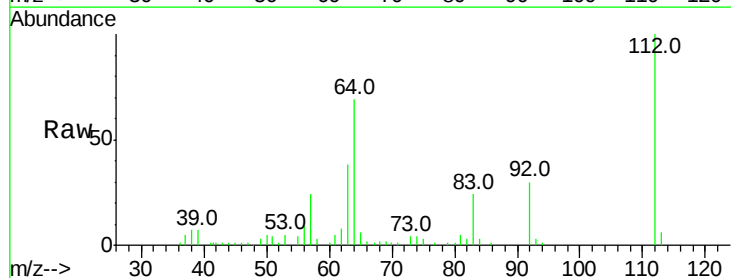
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



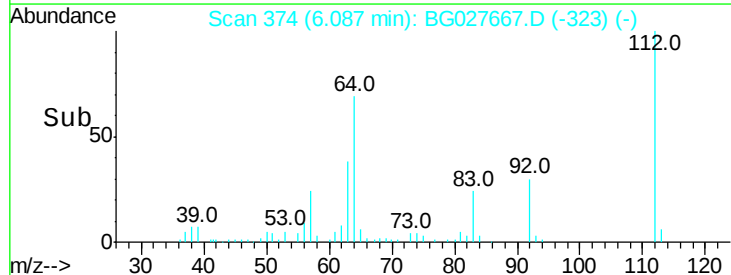
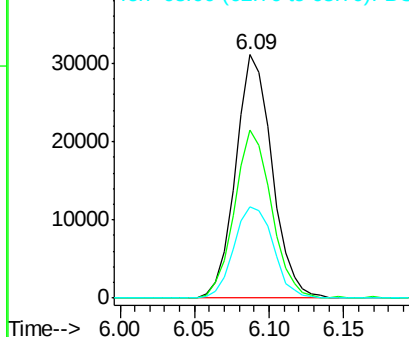
#5

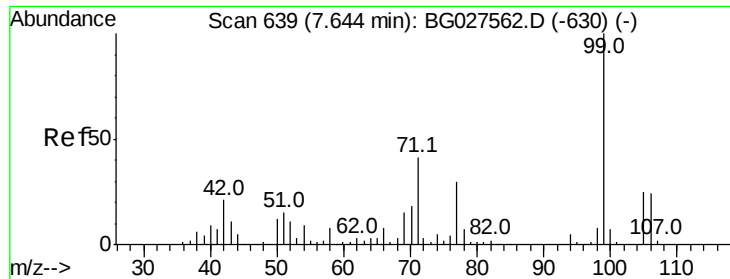
2-Fluorophenol  
Concen: 41.08 ng  
RT: 6.09 min Scan# 374  
Delta R.T. 0.00 min  
Lab File: BG027667.D  
Acq: 24 Jun 2017 20:08

Tgt Ion:112 Resp: 52800  
Ion Ratio Lower Upper  
112 100  
64 69.0 61.8 92.6  
63 37.7 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: 23.66 ng

RT: 7.64 min Scan# 639

Delta R.T. 0.00 min

Lab File: BG027667.D

Acq: 24 Jun 2017 20:08

Instrument :

BNA\_G

ClientSampleId :

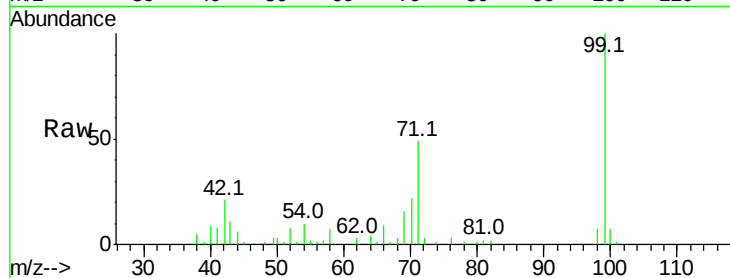
Tot Ion: 99 Resp: 45011

Ion Ratio Lower Upper

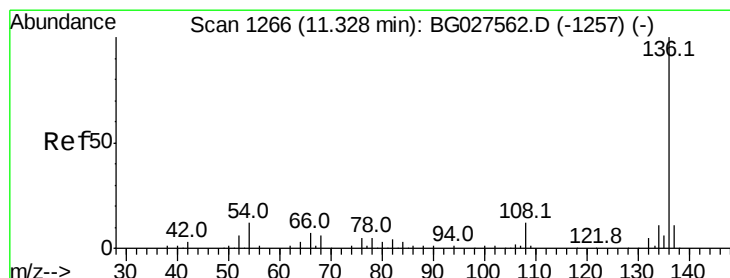
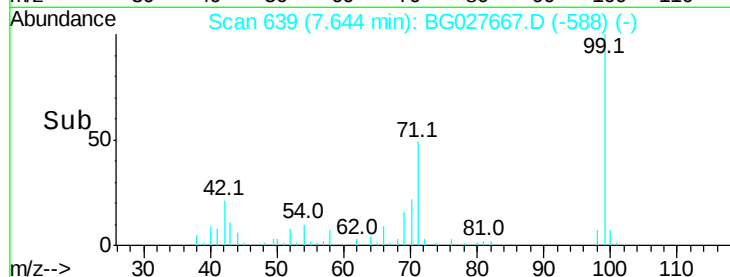
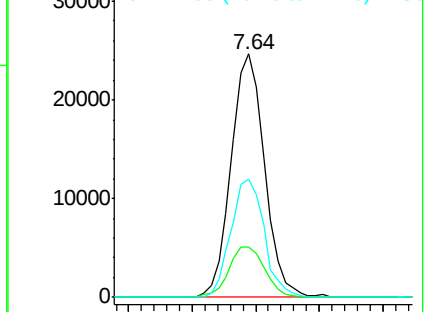
99 100

42 20.6 20.5 30.7

71 48.7 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: BG027667.D

Acq: 24 Jun 2017 20:08

Tgt Ion: 136 Resp: 87212

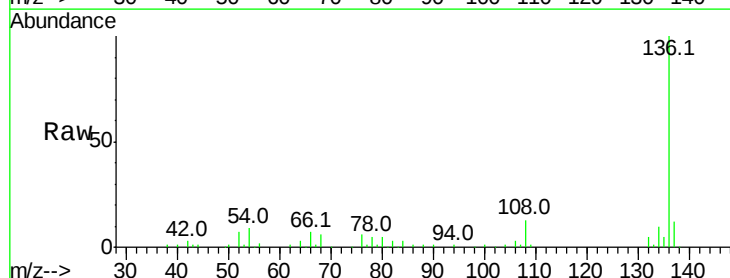
Ion Ratio Lower Upper

136 100

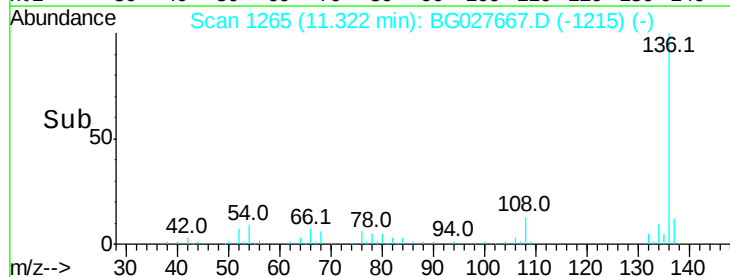
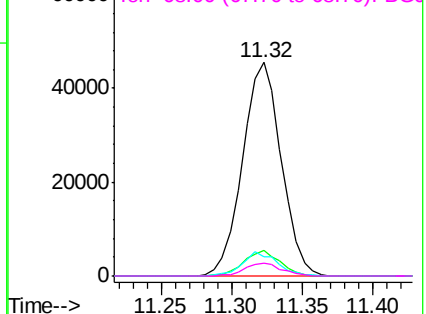
137 11.7 8.9 13.3

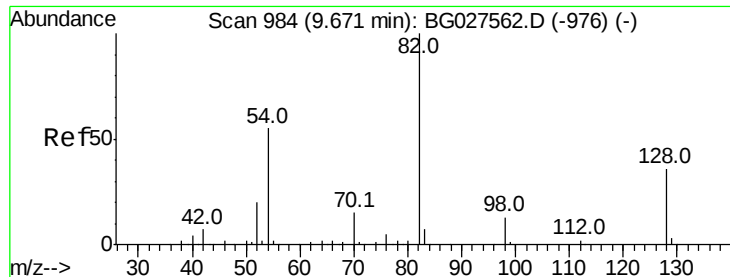
54 8.9 9.3 13.9#

68 6.2 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

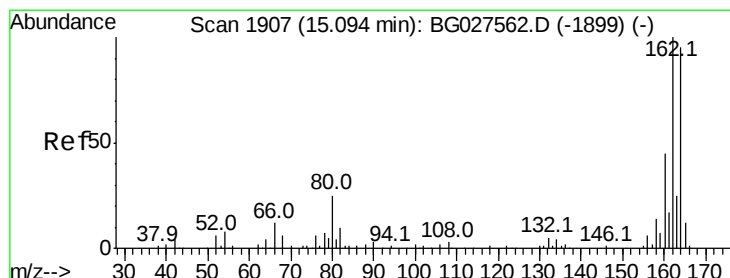
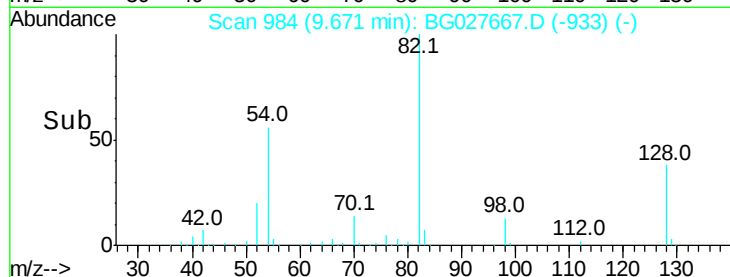
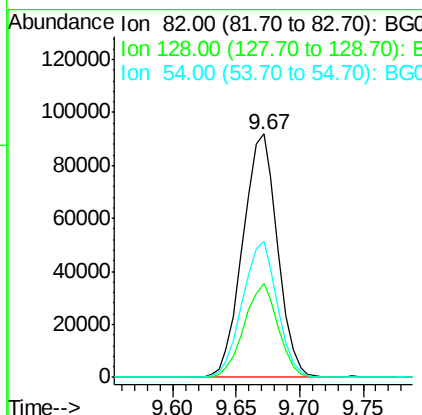
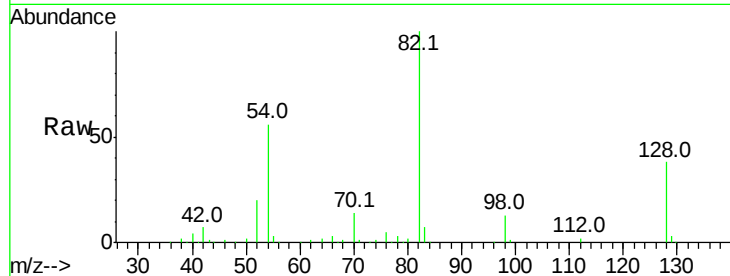




#23  
 Nitrobenzene-d5  
 Concen: 94.91 ng  
 RT: 9.67 min Scan# 984  
 Delta R.T. 0.00 min  
 Lab File: BG027667.D  
 Acq: 24 Jun 2017 20:08

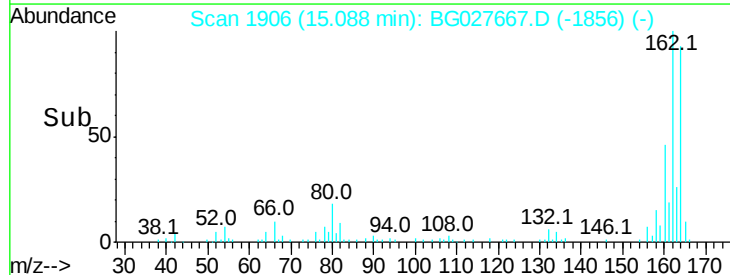
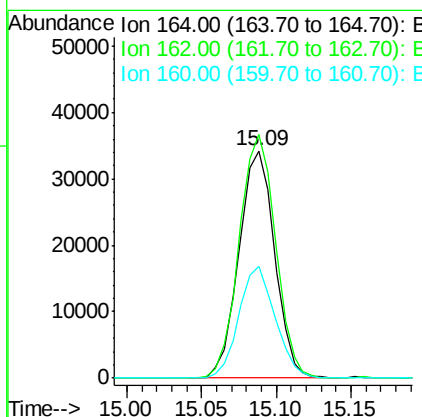
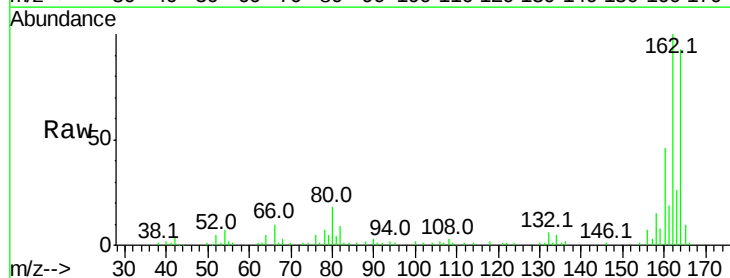
Instrument :  
 BNA\_G  
 ClientSampled :

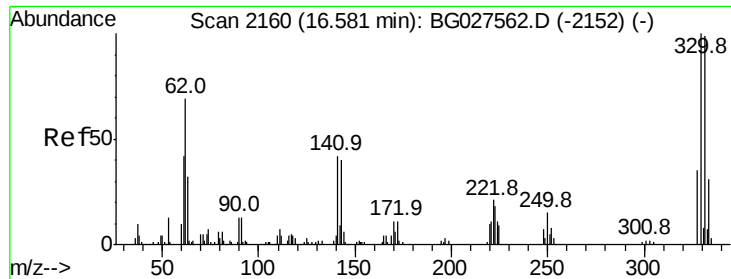
Tot Ion: 82 Resp: 174934  
 Ion Ratio Lower Upper  
 82 100  
 128 38.5 26.4 39.6  
 54 55.7 49.4 74.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.09 min Scan# 1906  
 Delta R.T. -0.01 min  
 Lab File: BG027667.D  
 Acq: 24 Jun 2017 20:08

Tgt Ion: 164 Resp: 56790  
 Ion Ratio Lower Upper  
 164 100  
 162 107.2 85.1 127.7  
 160 49.0 34.7 52.1

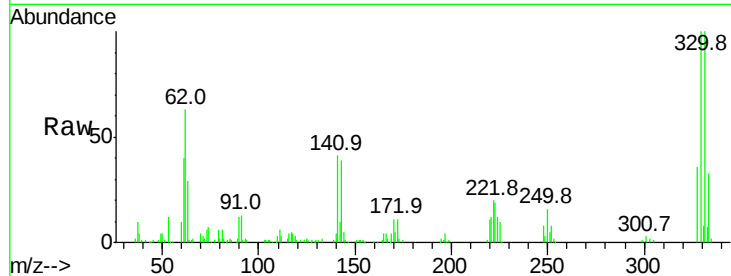




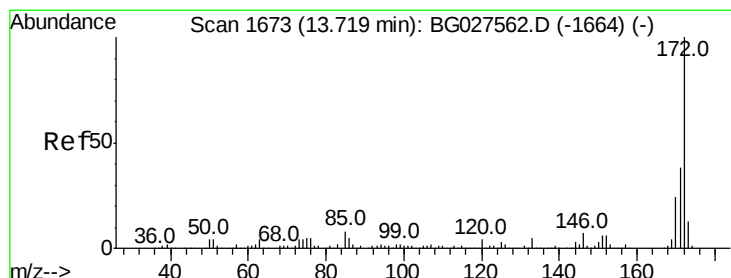
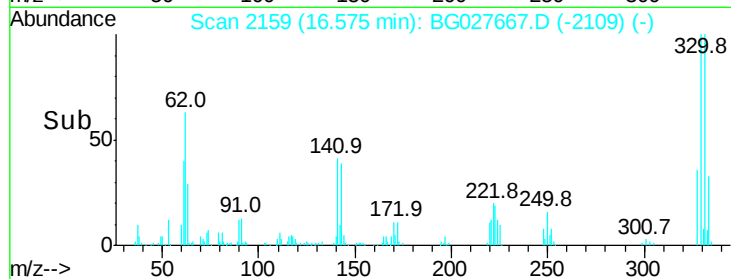
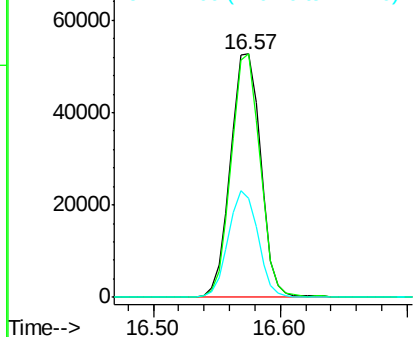
#41  
 2,4,6-Tribromophenol  
 Concen: 102.71 ng  
 RT: 16.57 min Scan# 2159  
 Delta R.T. -0.01 min  
 Lab File: BG027667.D  
 Acq: 24 Jun 2017 20:08

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 86955  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.3 115.9  
 141 43.0 32.1 48.1

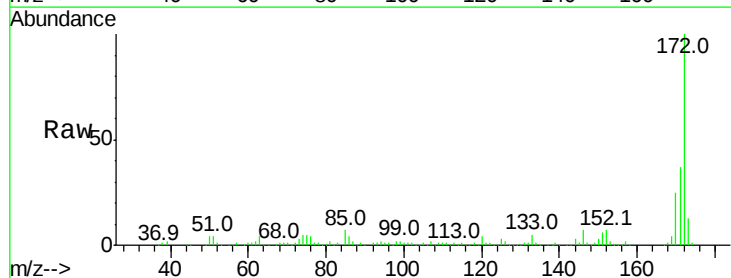


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

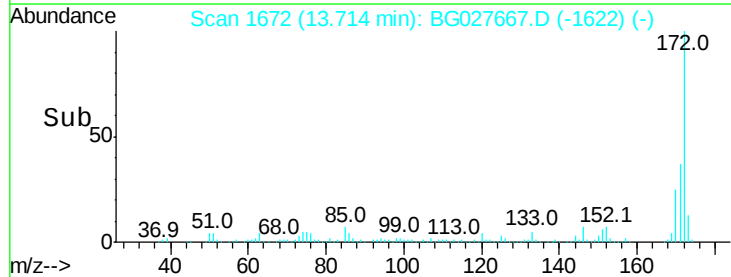
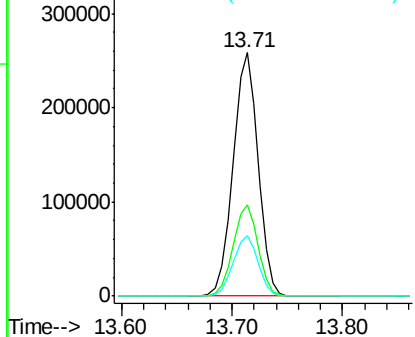


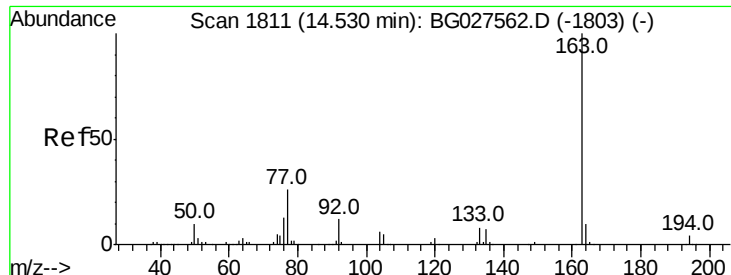
#44  
 2-Fluorobiphenyl  
 Concen: 98.80 ng  
 RT: 13.71 min Scan# 1672  
 Delta R.T. -0.01 min  
 Lab File: BG027667.D  
 Acq: 24 Jun 2017 20:08

Tgt Ion:172 Resp: 410745  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 32.2 48.2  
 170 25.1 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: 2.36 ng

RT: 14.52 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BG027667.D

Acq: 24 Jun 2017 20:08

Instrument :

BNA\_G

ClientSampleId :

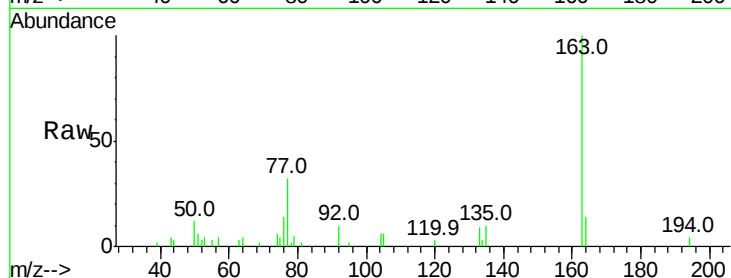
Tot Ion:163 Resp: 11751

Ion Ratio Lower Upper

163 100

194 4.2 3.8 5.6

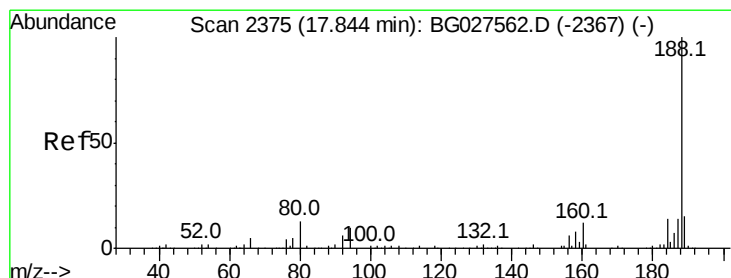
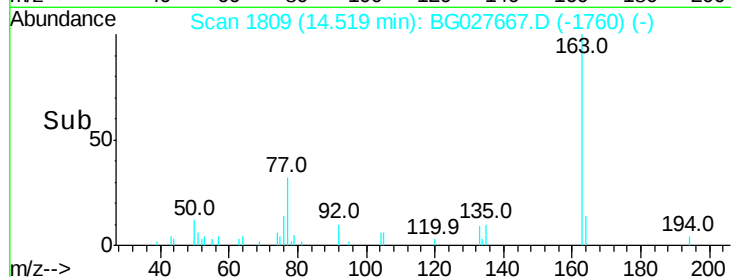
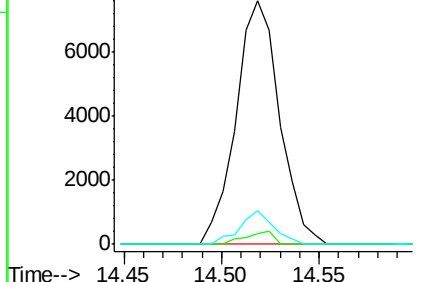
164 14.0 9.3 13.9#



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: BG027667.D

Acq: 24 Jun 2017 20:08

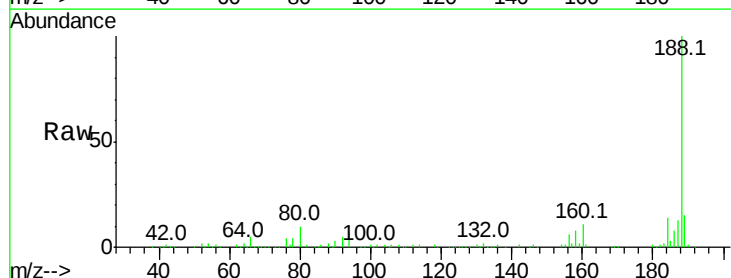
Tgt Ion:188 Resp: 152792

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.8

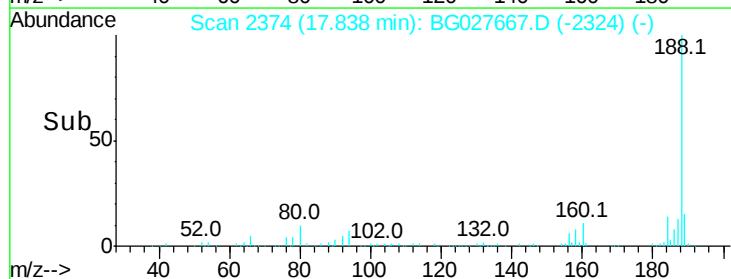
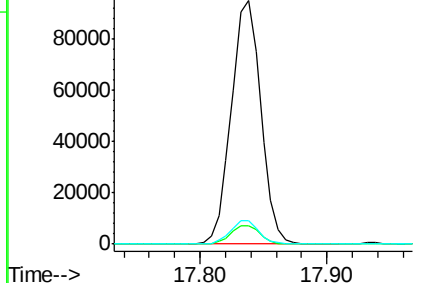
80 9.5 7.5 11.3

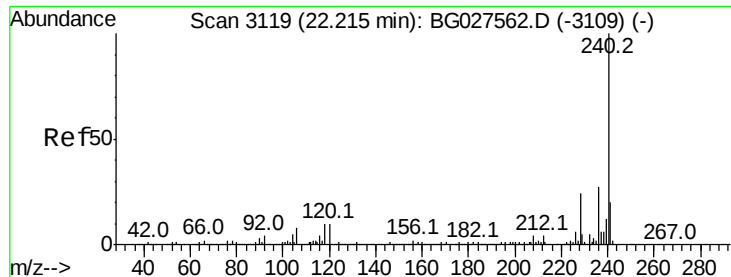


Abundance Ion 188.00 (187.70 to 188.70): E

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: BG027667.D

Acq: 24 Jun 2017 20:08

Instrument :

BNA\_G

ClientSampleId :

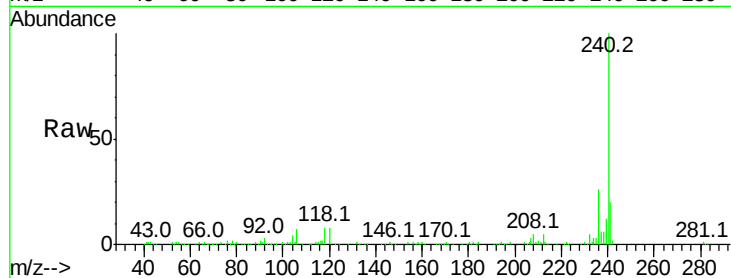
Tot Ion:240 Resp: 166944

Ion Ratio Lower Upper

240 100

120 8.1 5.7 8.5

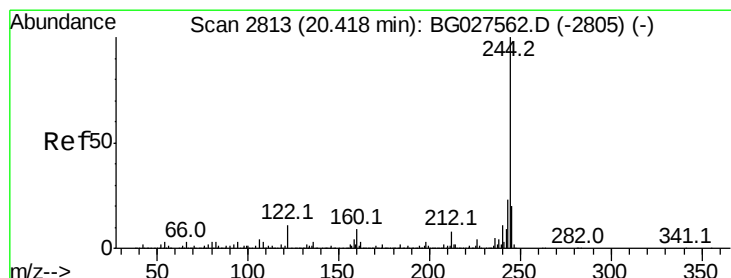
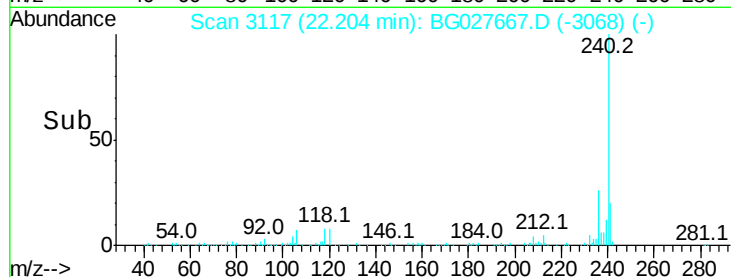
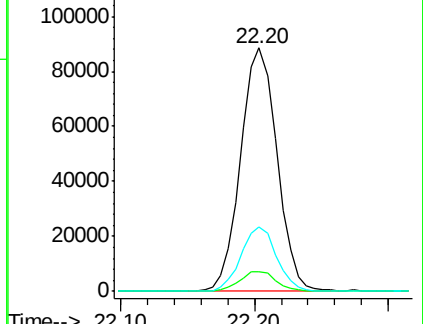
236 26.4 22.2 33.4



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: 108.68 ng

RT: 20.41 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG027667.D

Acq: 24 Jun 2017 20:08

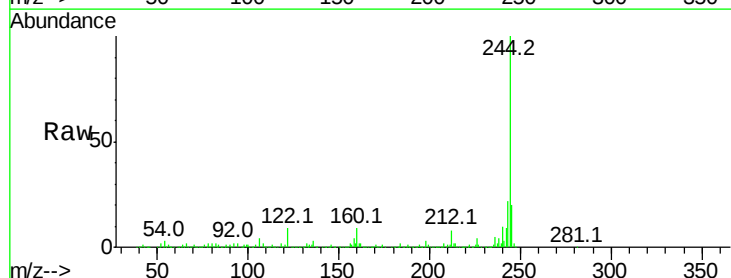
Tgt Ion:244 Resp: 770090

Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

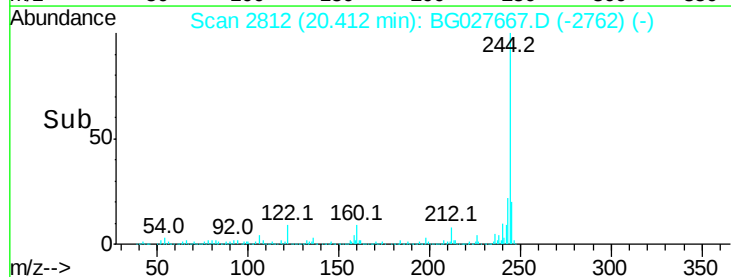
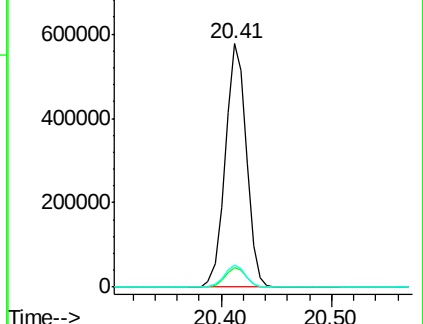
122 9.2 8.6 12.8

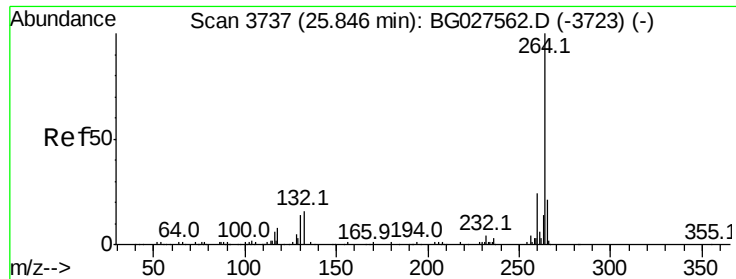


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.84 min Scan# 3736  
 Delta R.T. -0.01 min  
 Lab File: BG027667.D  
 Acq: 24 Jun 2017 20:08

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 21.8  | 32.8  |
| 265     | 21.6  | 18.2  | 27.4  |

