

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032317\  
 Data File : BG026404.D  
 Acq On : 23 Mar 2017 15:56  
 Operator : SJ/MA  
 Sample : I2369-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 24 01:00:28 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

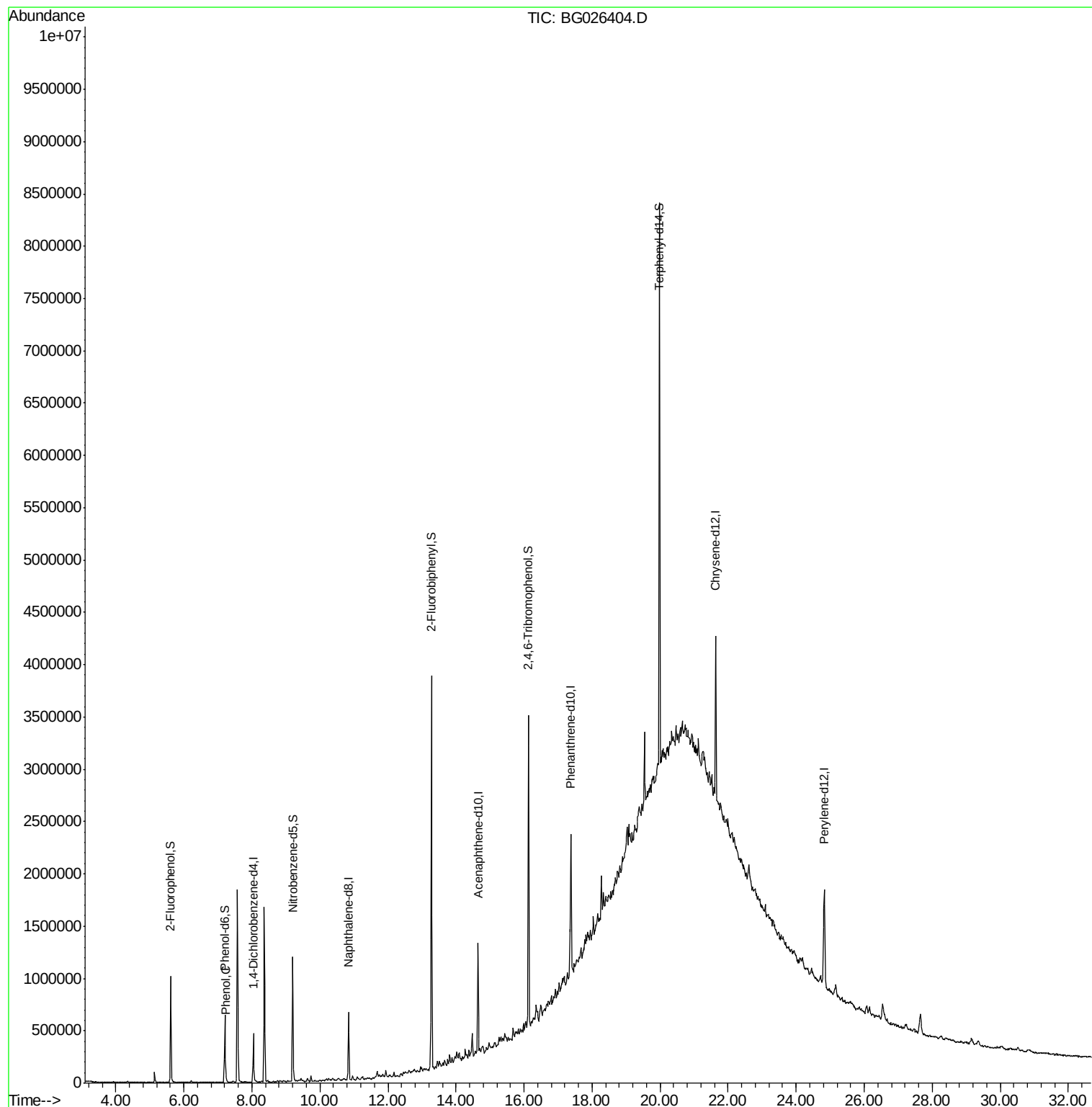
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 148503   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.84 | 136  | 620860   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.65 | 164  | 366942   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.38 | 188  | 839073   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.63 | 240  | 969461   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 24.82 | 264  | 957409   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.61  | 112  | 569293   | 68.04  | ng    | 0.00           |
| 7) Phenol-d6                | 7.20  | 99   | 488170   | 43.46  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 785262   | 76.05  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 624541   | 148.63 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 2081029  | 79.53  | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.98 | 244  | 2327145  | 58.30  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 10) Phenol                  | 7.23  | 94   | 53901    | 4.50   | ng    | Qvalue<br># 74 |

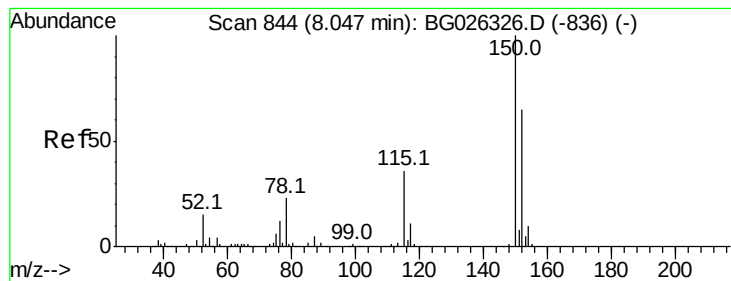
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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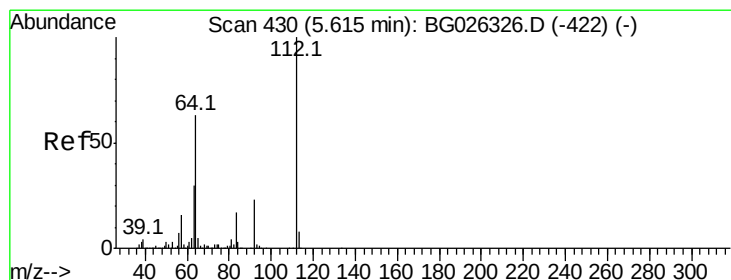
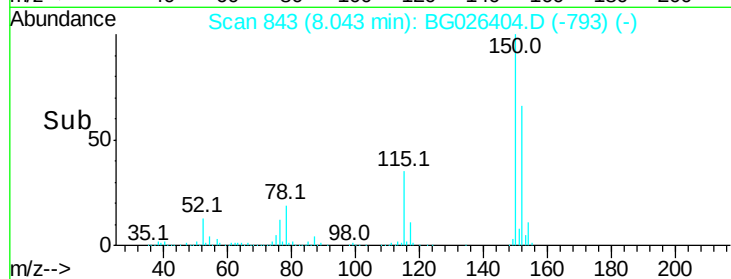
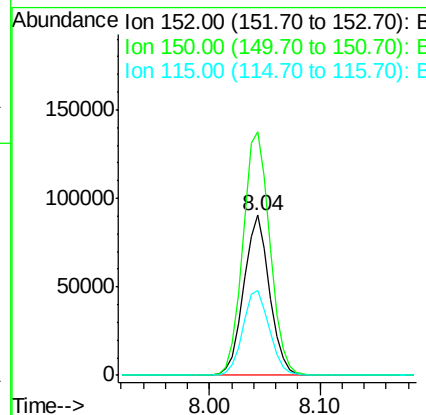
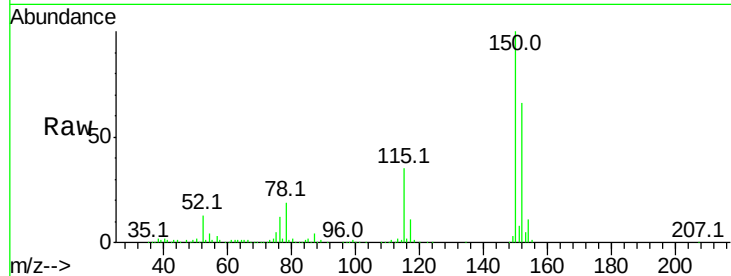


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.00 min  
Lab File: BG026404.D  
Acq: 23 Mar 2017 15:56

Instrument :  
BNA\_G  
ClientSampleId :

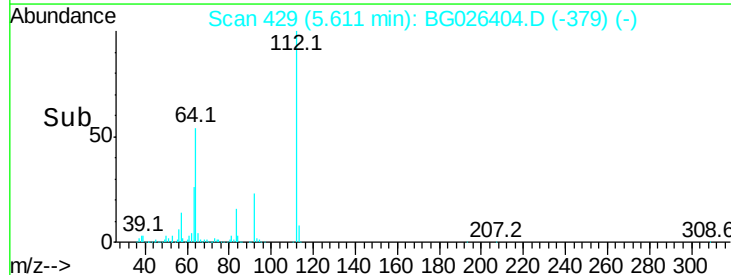
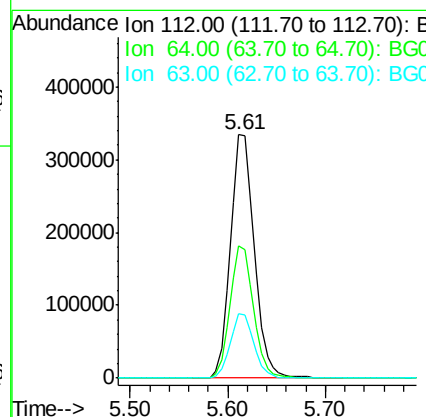
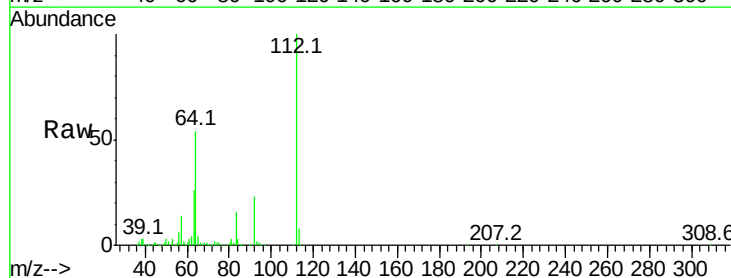
Tot Ion:152 Resp: 148503  
Ion Ratio Lower Upper  
152 100  
150 152.3 114.0 171.0  
115 53.1 48.1 72.1

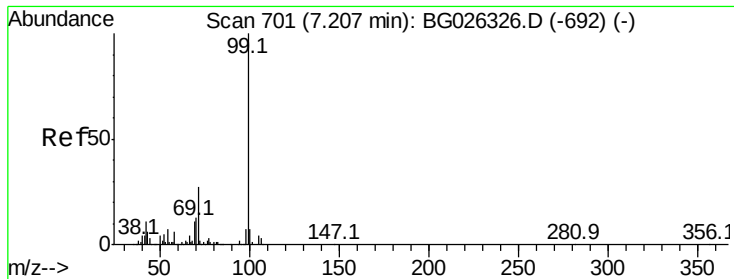


#5

2-Fluorophenol  
Concen: 68.04 ng  
RT: 5.61 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: BG026404.D  
Acq: 23 Mar 2017 15:56

Tgt Ion:112 Resp: 569293  
Ion Ratio Lower Upper  
112 100  
64 54.3 61.8 92.6#  
63 26.4 37.2 55.8#





#7

Phenol-d6

Concen: 43.46 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

Instrument :

BNA\_G

ClientSampleId :

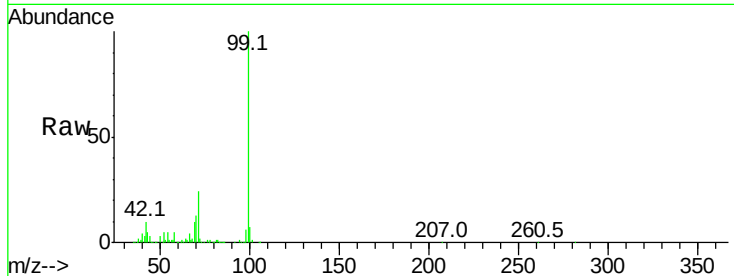
Tot Ion: 99 Resp: 488170

Ion Ratio Lower Upper

99 100

42 10.3 20.5 30.7#

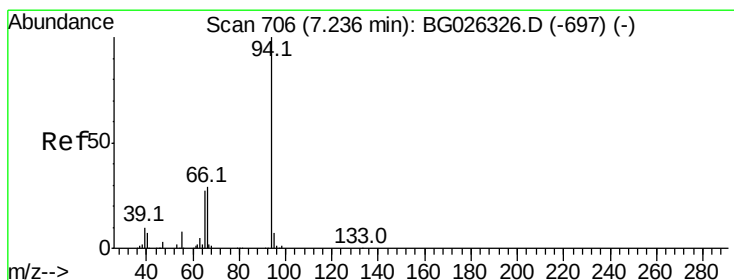
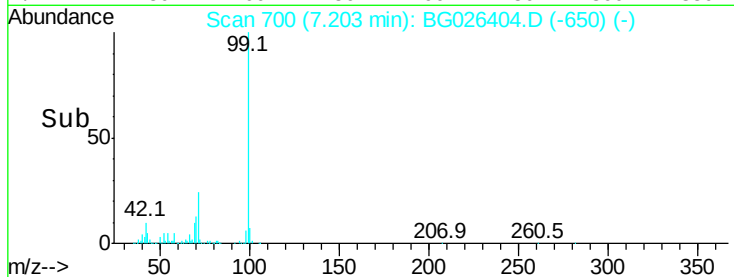
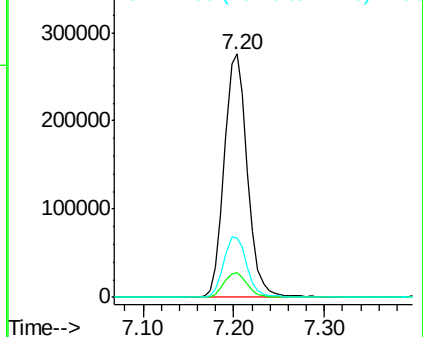
71 24.3 37.6 56.4#



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



#10

Phenol

Concen: 4.50 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

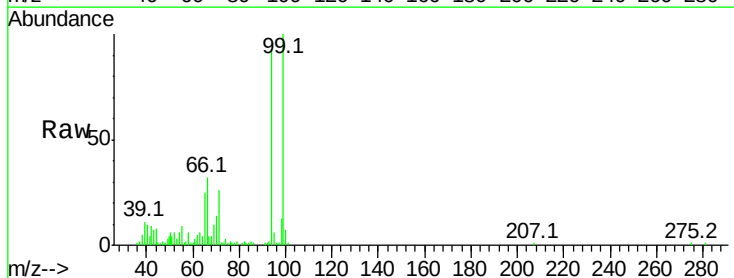
Tgt Ion: 94 Resp: 53901

Ion Ratio Lower Upper

94 100

65 27.0 20.6 60.6

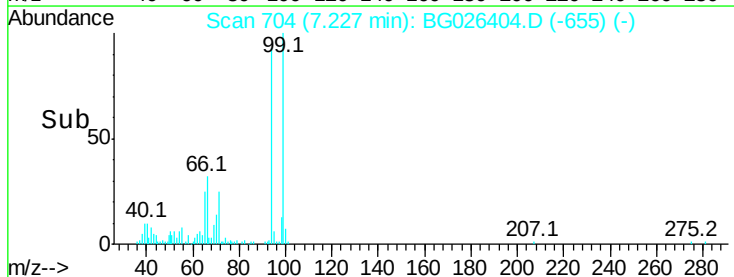
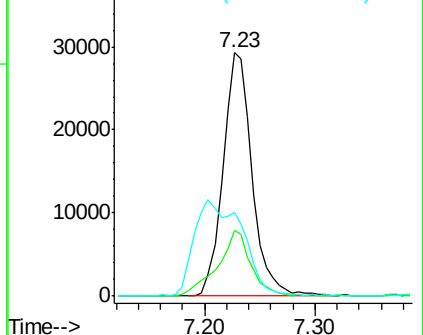
66 34.3 35.5 75.5#

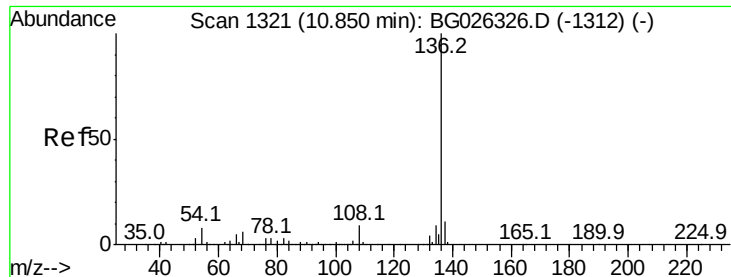


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 620860

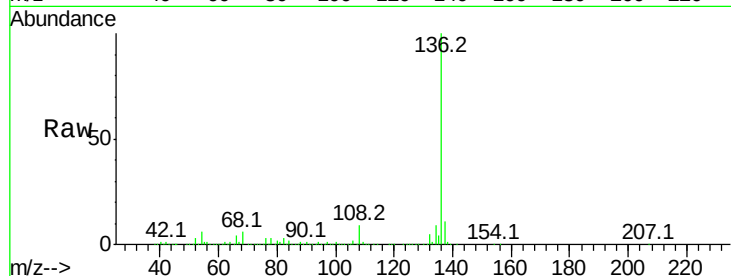
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 6.3   | 9.3   | 13.9# |
| 68  | 6.5   | 5.1   | 7.7   |

136 100

137 11.1 8.9 13.3

54 6.3 9.3 13.9#

68 6.5 5.1 7.7

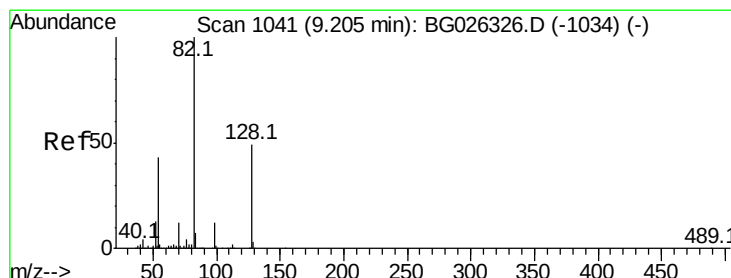
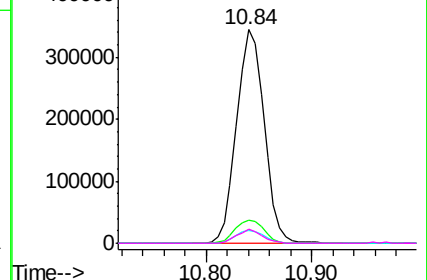
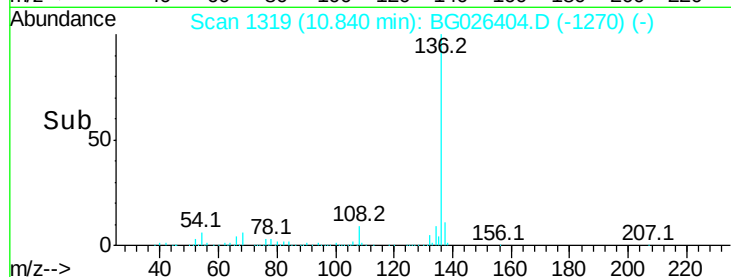


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.05 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

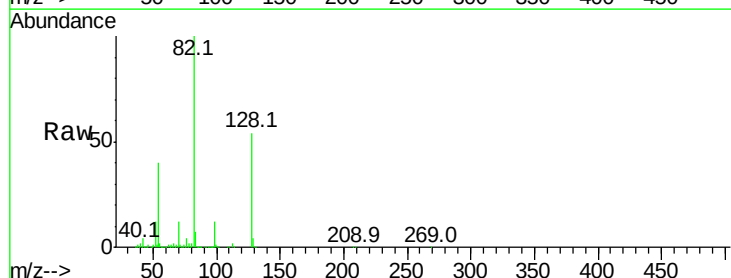
Tgt Ion: 82 Resp: 785262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 53.6  | 26.4  | 39.6# |
| 54  | 40.3  | 49.4  | 74.2# |

82 100

128 53.6 26.4 39.6#

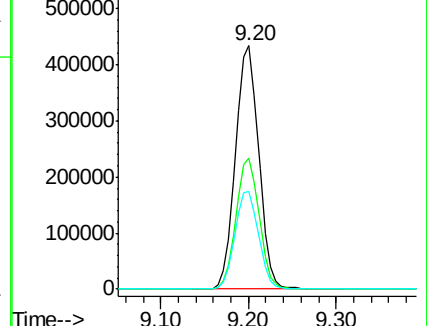
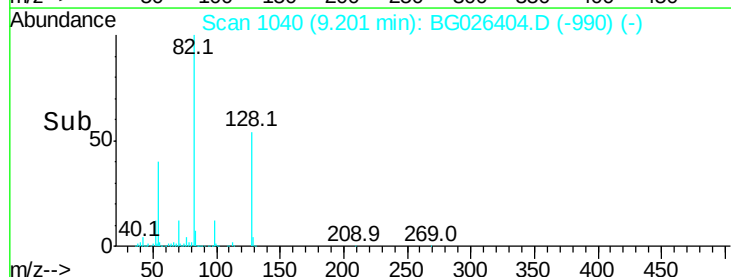
54 40.3 49.4 74.2#

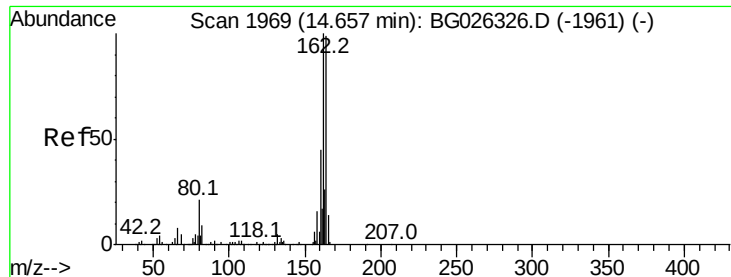


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

Instrument :

BNA\_G

ClientSampleId :

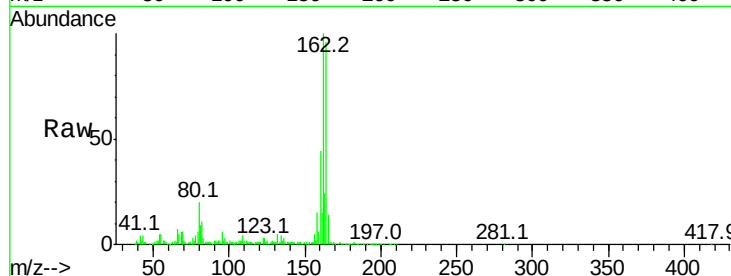
Tot Ion:164 Resp: 366942

Ion Ratio Lower Upper

164 100

162 104.7 85.1 127.7

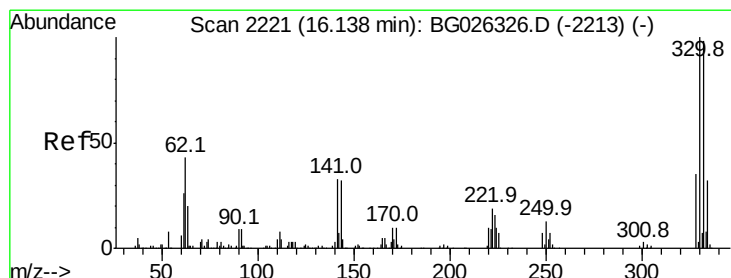
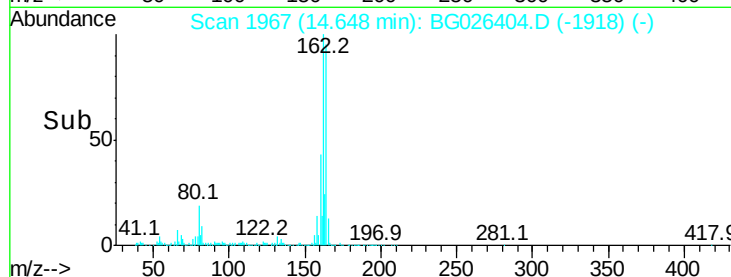
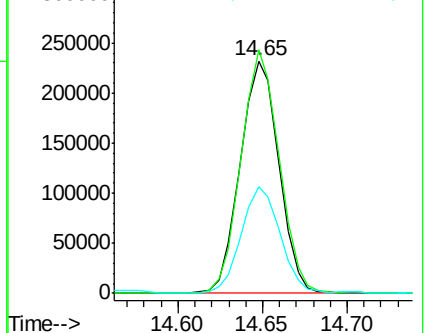
160 45.6 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 148.63 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

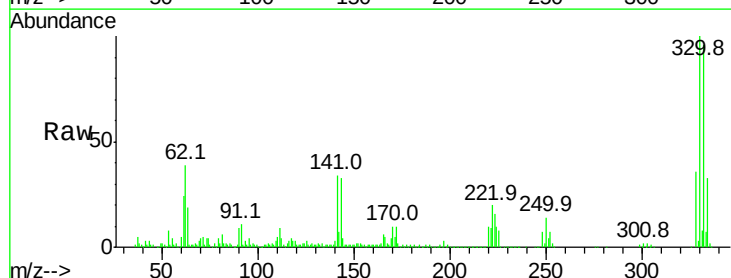
Tgt Ion:330 Resp: 624541

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

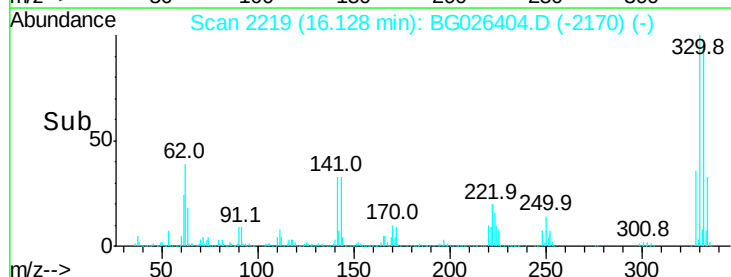
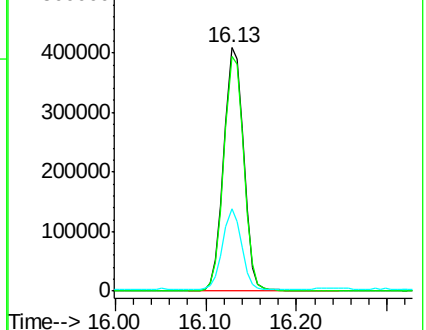
141 31.5 32.1 48.1#

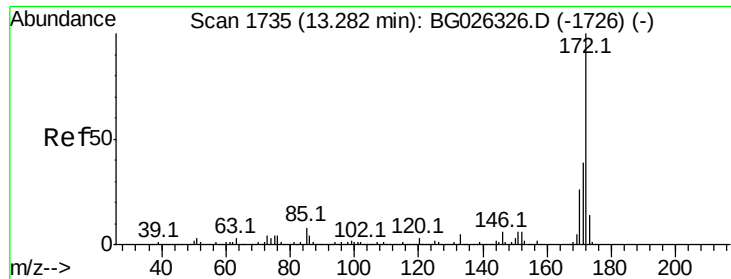


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

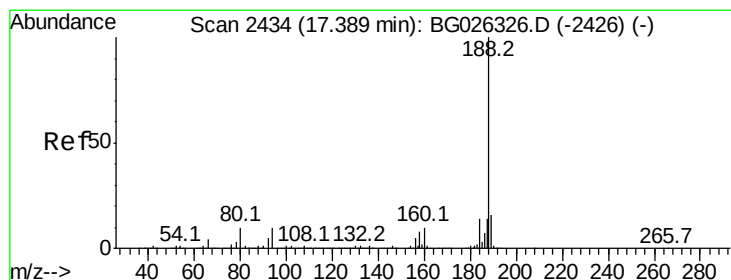
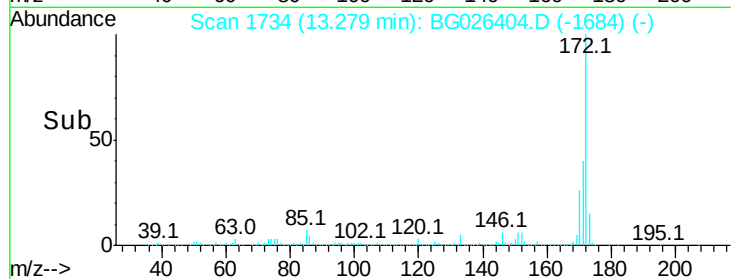
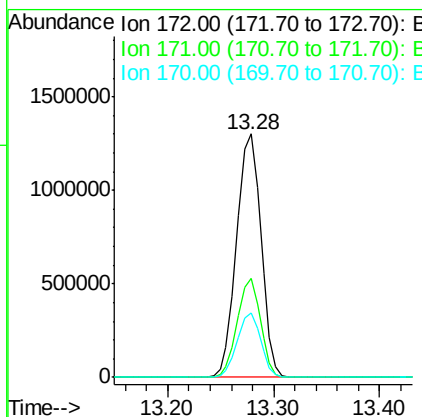
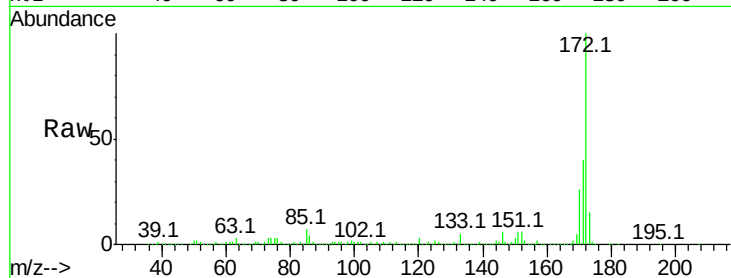




#44  
2-Fluorobiphenyl  
Concen: 79.53 ng  
RT: 13.28 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: BG026404.D  
Acq: 23 Mar 2017 15:56

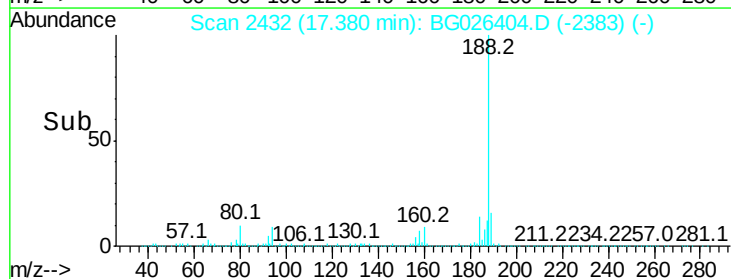
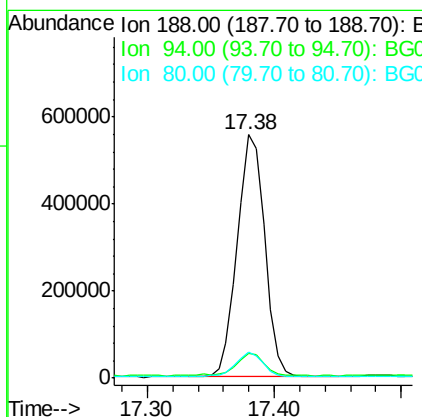
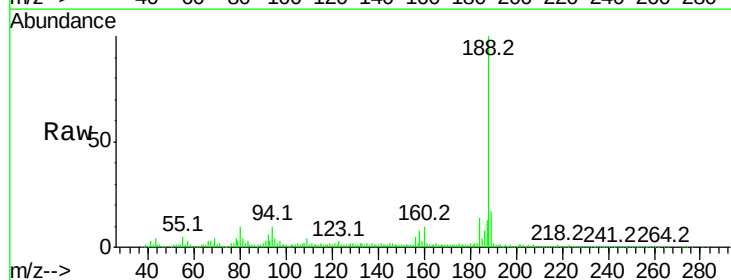
Instrument :  
BNA\_G  
ClientSampleId :

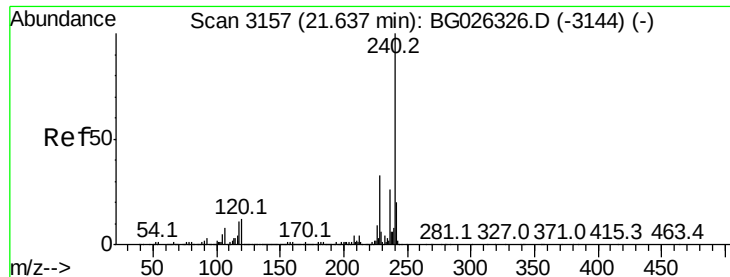
Tot Ion:172 Resp: 2081029  
Ion Ratio Lower Upper  
172 100  
171 40.4 32.2 48.2  
170 26.2 21.8 32.6



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2432  
Delta R.T. -0.01 min  
Lab File: BG026404.D  
Acq: 23 Mar 2017 15:56

Tgt Ion:188 Resp: 839073  
Ion Ratio Lower Upper  
188 100  
94 10.2 5.8 8.8#  
80 10.4 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

Instrument :

BNA\_G

ClientSampleId :

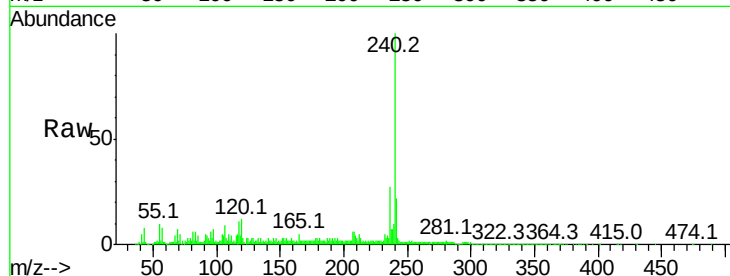
Tot Ion:240 Resp: 969461

Ion Ratio Lower Upper

240 100

120 12.5 5.7 8.5#

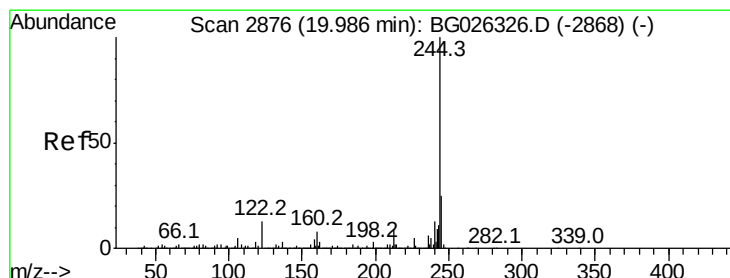
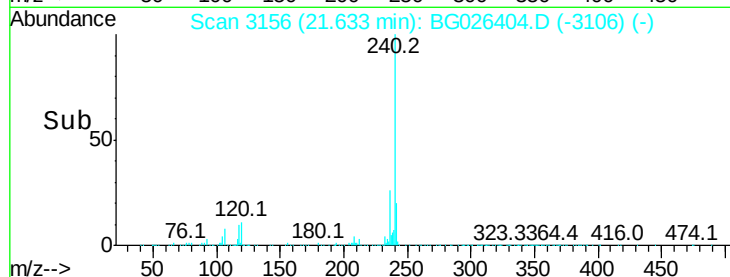
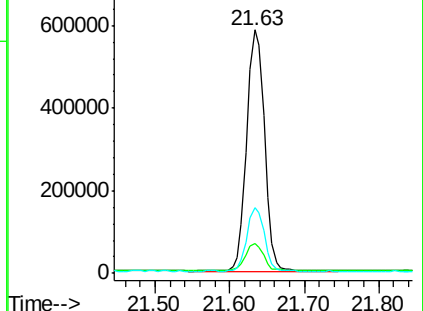
236 27.0 22.2 33.4



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: 58.30 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG026404.D

Acq: 23 Mar 2017 15:56

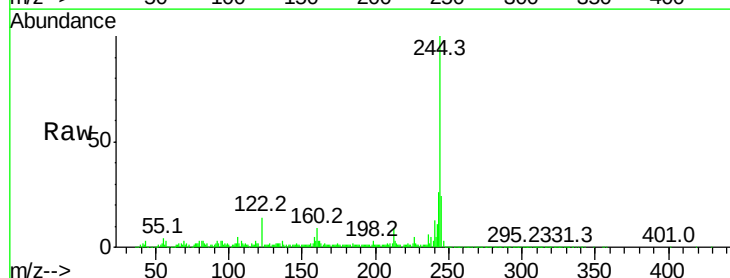
Tgt Ion:244 Resp: 2327145

Ion Ratio Lower Upper

244 100

212 9.1 10.0 15.0#

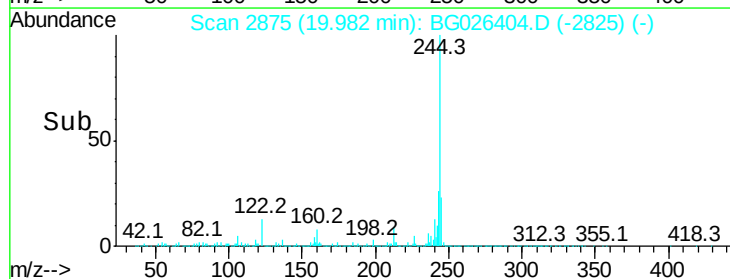
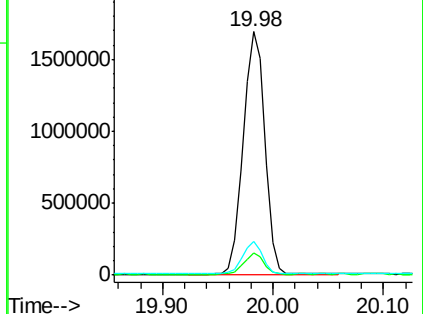
122 13.8 8.6 12.8#



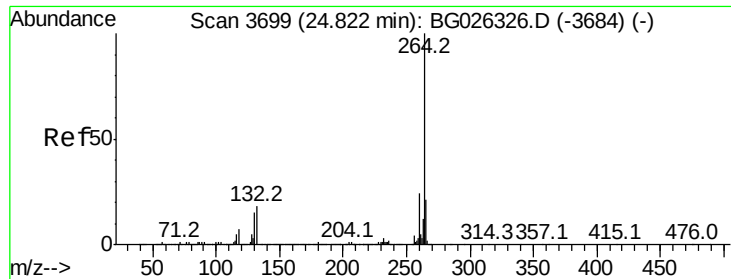
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



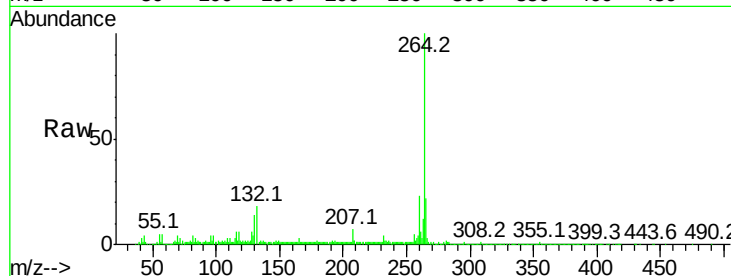




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.82 min Scan# 3699  
Delta R.T. 0.00 min  
Lab File: BG026404.D  
Acq: 23 Mar 2017 15:56

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 21.8  | 32.8  |
| 265     | 22.1  | 18.2  | 27.4  |



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

