

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032317\  
 Data File : BG026399.D  
 Acq On : 23 Mar 2017 12:37  
 Operator : SJ/MA  
 Sample : I2356-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 24 00:59:19 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

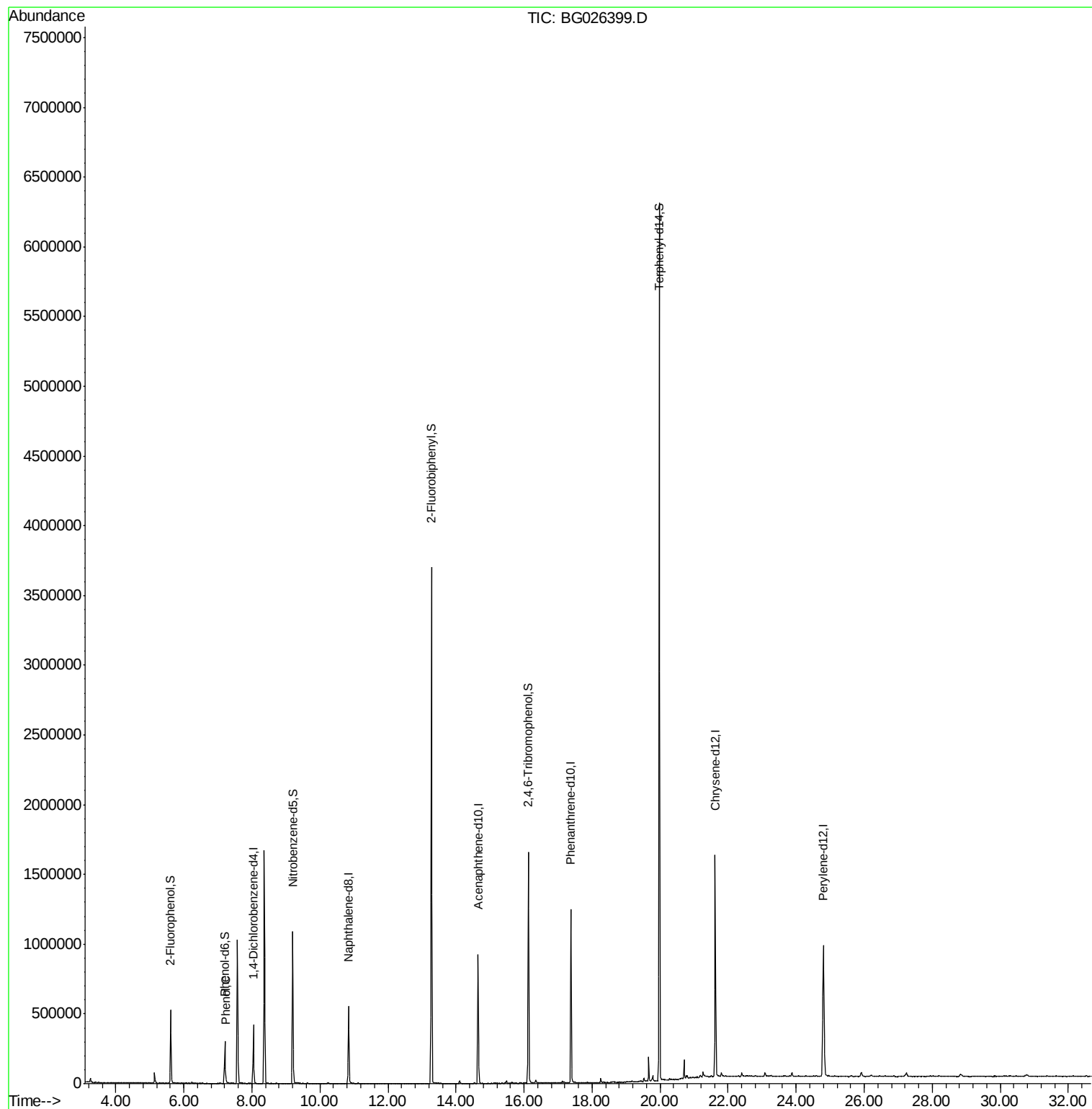
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 137419   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.84 | 136  | 553977   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.65 | 164  | 331328   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.38 | 188  | 820948   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 21.63 | 240  | 1000783  | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 24.80 | 264  | 943894   | 20.00 | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.61  | 112  | 293056   | 37.85 | ng    | 0.00           |
| 7) Phenol-d6                | 7.20  | 99   | 227613   | 21.90 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 717388   | 77.87 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 351339   | 92.60 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 2104725  | 89.08 | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.98 | 244  | 2739642  | 66.48 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 10) Phenol                  | 7.23  | 94   | 26197    | 2.36  | ng    | Qvalue<br># 65 |

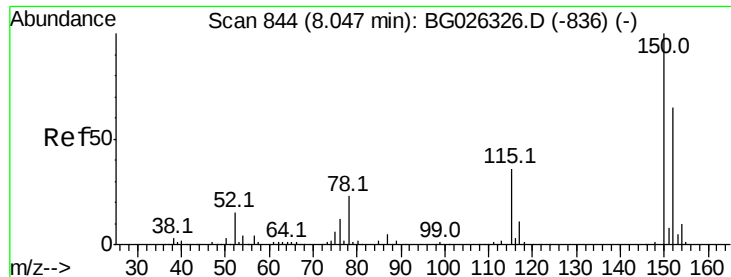
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



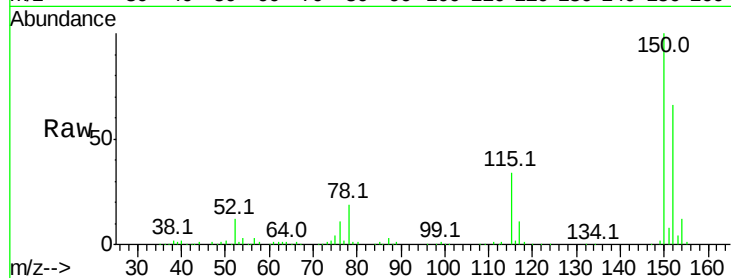


#1

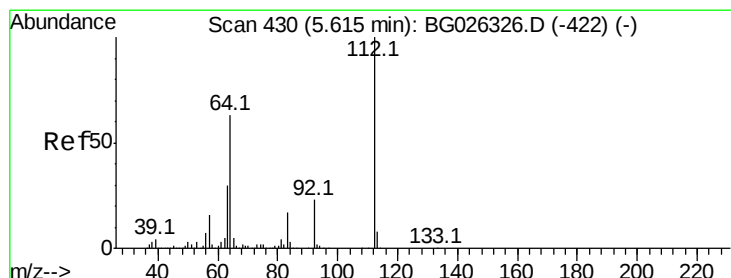
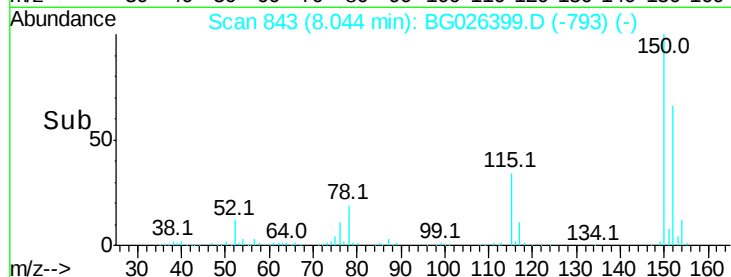
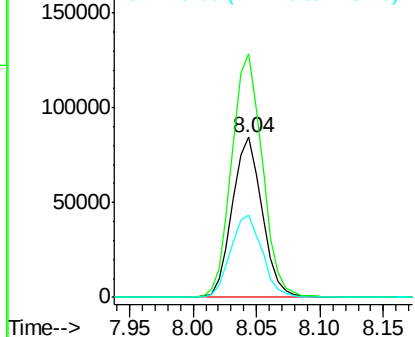
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.00 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 137419  
Ion Ratio Lower Upper  
152 100  
150 152.1 114.0 171.0  
115 51.2 48.1 72.1



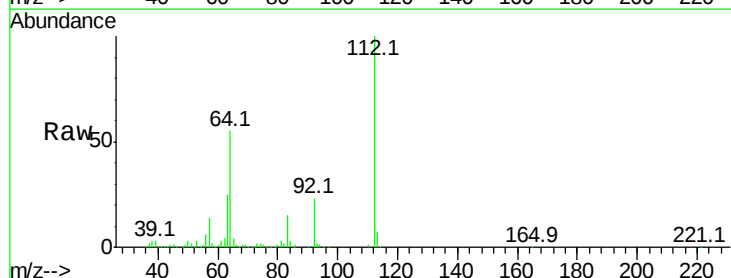
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



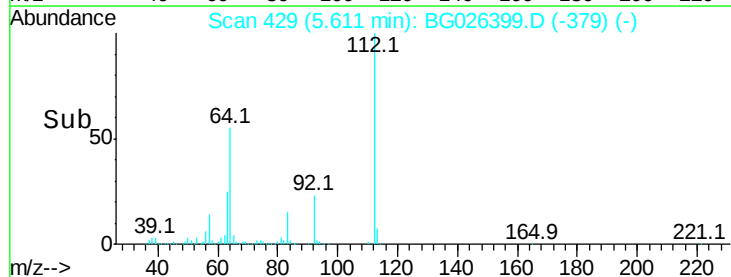
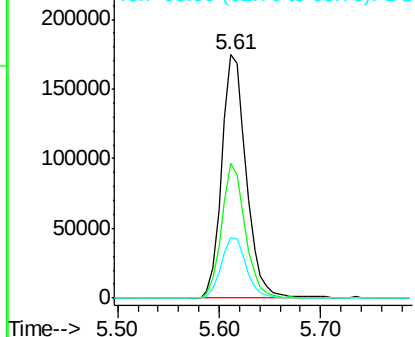
#5

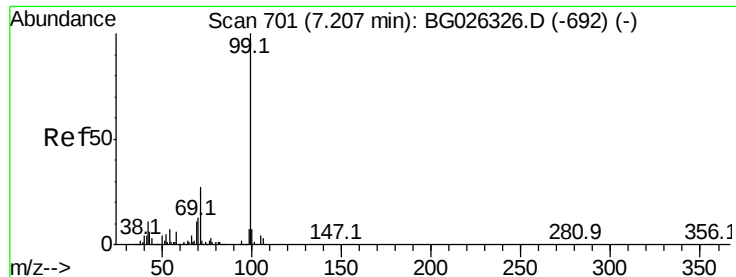
2-Fluorophenol  
Concen: 37.85 ng  
RT: 5.61 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Tgt Ion:112 Resp: 293056  
Ion Ratio Lower Upper  
112 100  
64 55.5 61.8 92.6#  
63 25.0 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 21.90 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

Instrument :

BNA\_G

ClientSampleId :

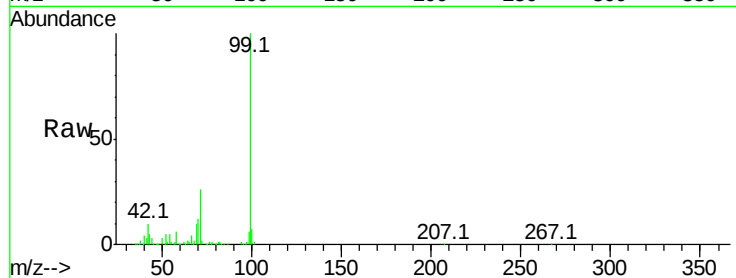
Tot Ion: 99 Resp: 227613

Ion Ratio Lower Upper

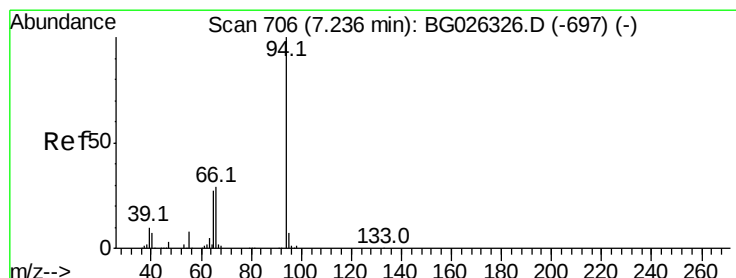
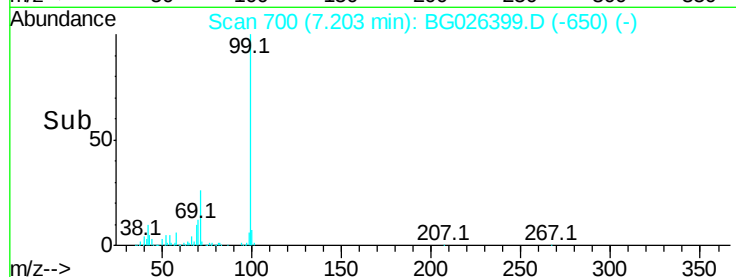
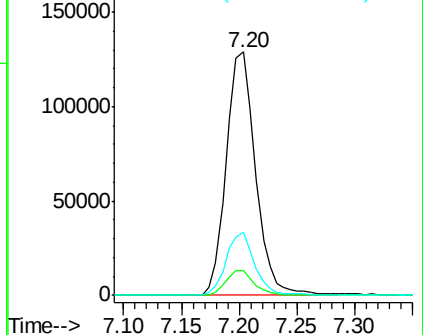
99 100

42 10.4 20.5 30.7#

71 26.1 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: 2.36 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

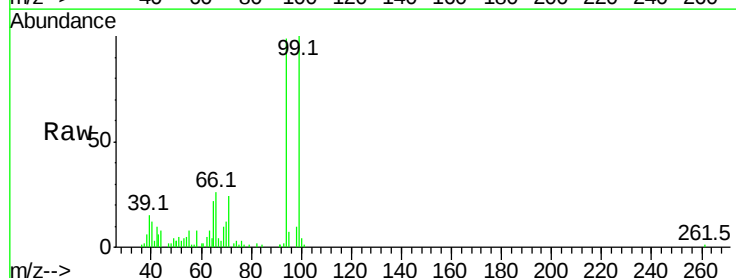
Tgt Ion: 94 Resp: 26197

Ion Ratio Lower Upper

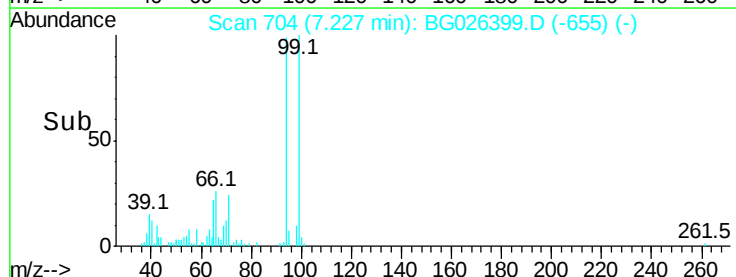
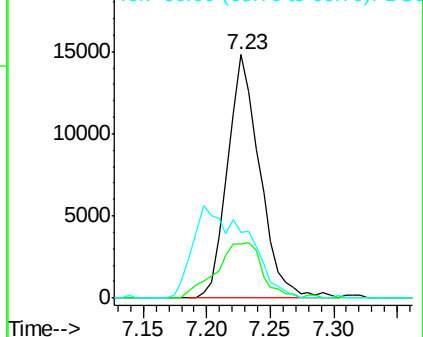
94 100

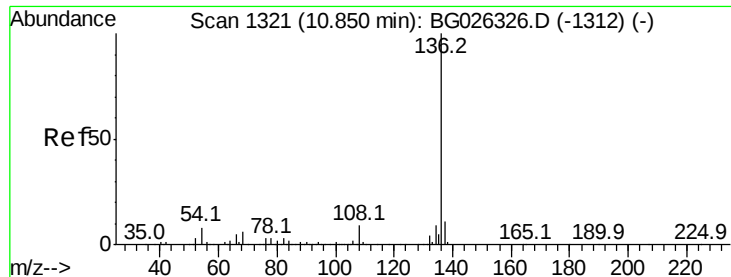
65 22.4 20.6 60.6

66 26.8 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

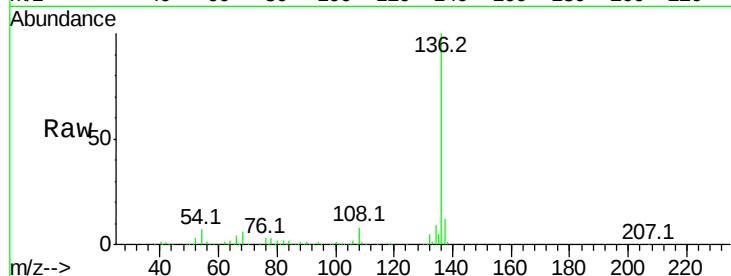




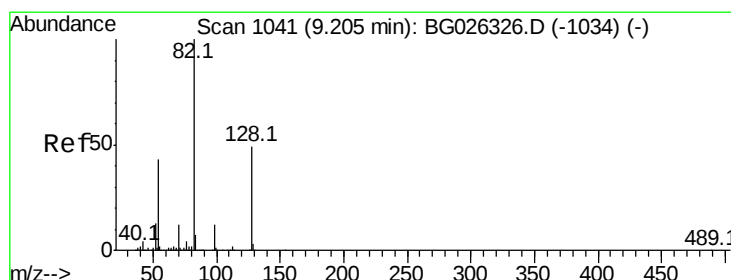
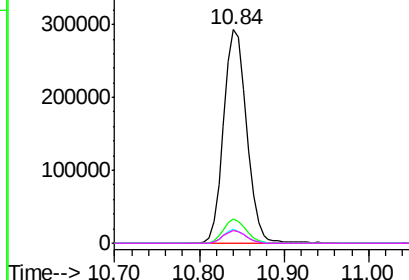
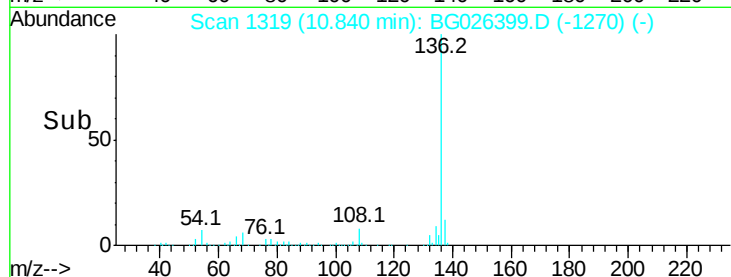
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.84 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 553977 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.7    | 8.9 13.3     |
| 54 6.5      | 9.3 13.9#    |
| 68 5.7      | 5.1 7.7      |

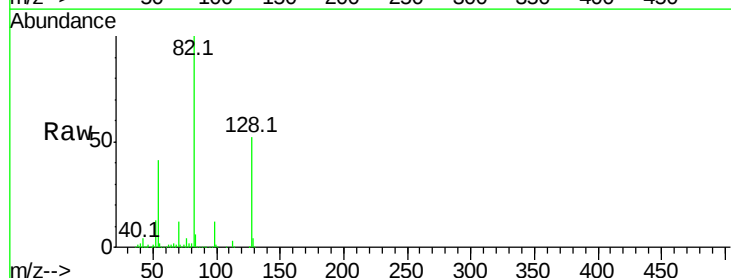


Abundance Ion 136.00 (135.70 to 136.70): B  
Ion 137.00 (136.70 to 137.70): B  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

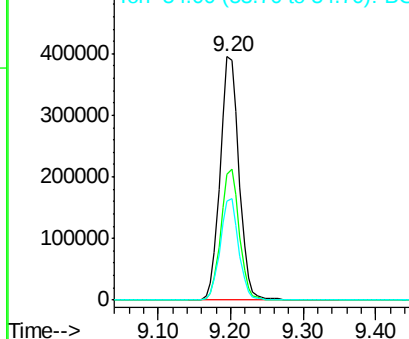
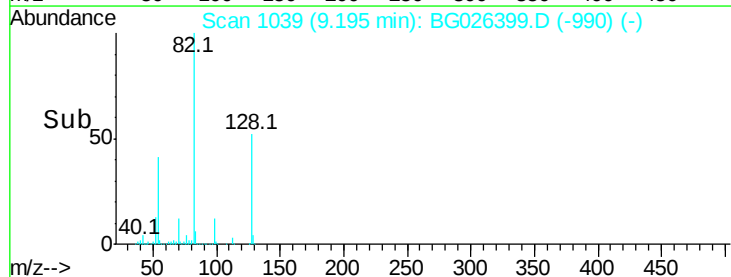


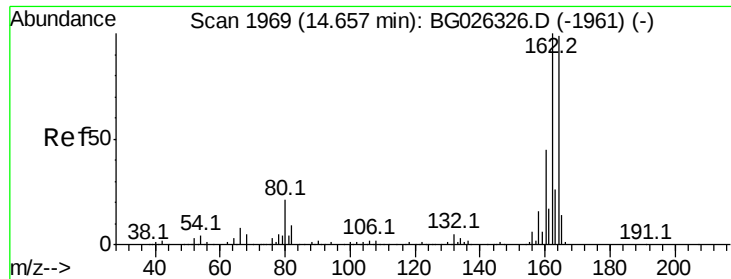
#23  
Nitrobenzene-d5  
Concen: 77.87 ng  
RT: 9.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 717388 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 51.5    | 26.4 39.6#   |
| 54 40.7     | 49.4 74.2#   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
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: BG026399.D

Acq: 23 Mar 2017 12:37

Instrument :

BNA\_G

ClientSampleId :

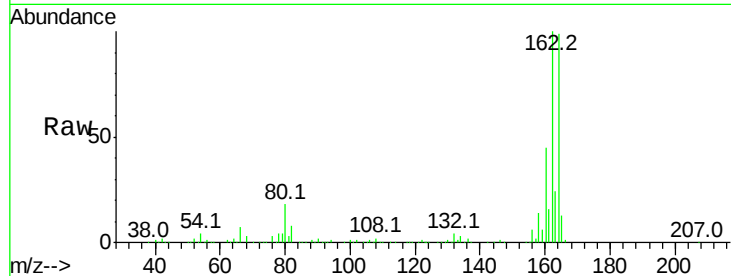
Tot Ion:164 Resp: 331328

Ion Ratio Lower Upper

164 100

162 101.1 85.1 127.7

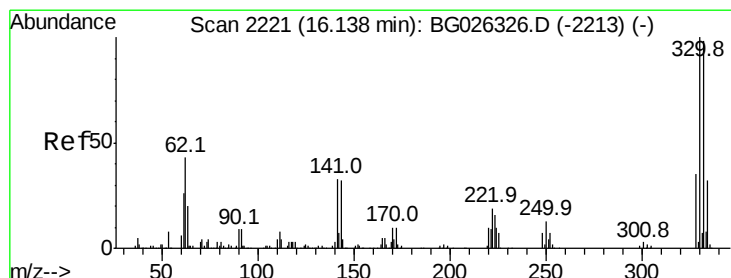
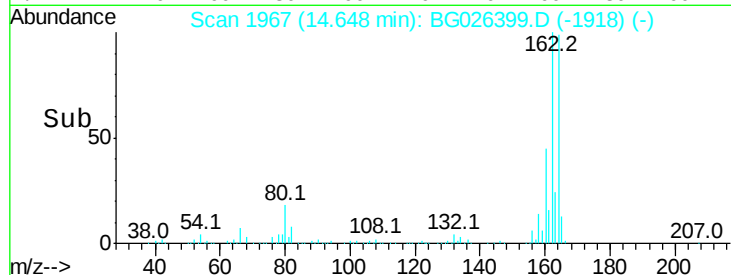
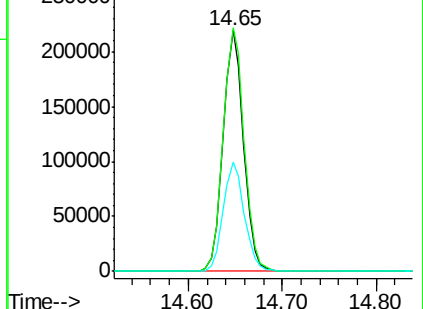
160 45.4 34.7 52.1



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: 92.60 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

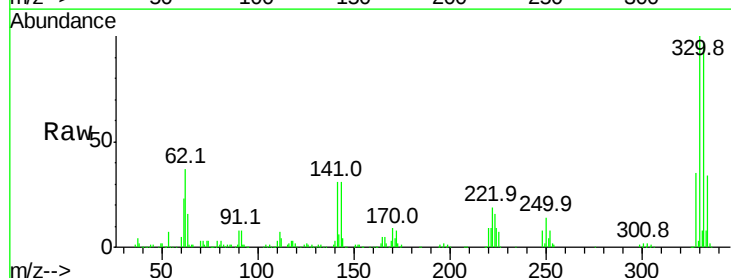
Tgt Ion:330 Resp: 351339

Ion Ratio Lower Upper

330 100

332 98.1 77.3 115.9

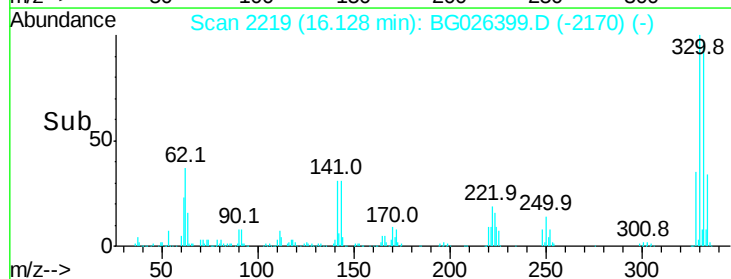
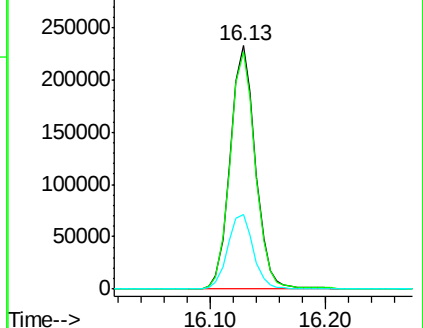
141 31.6 32.1 48.1#

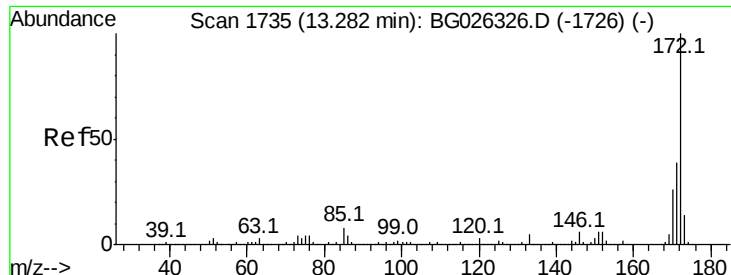


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

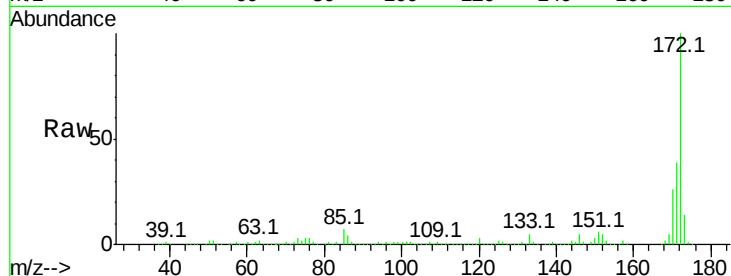




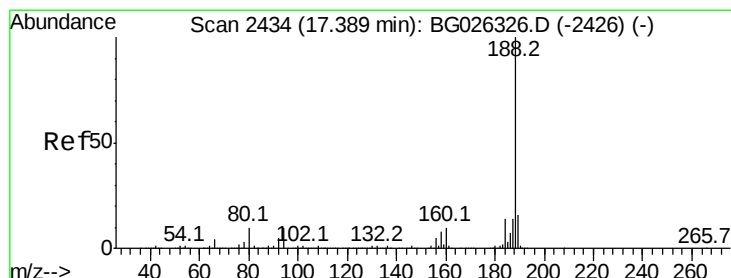
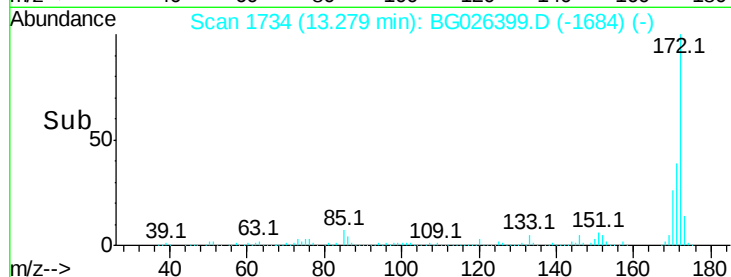
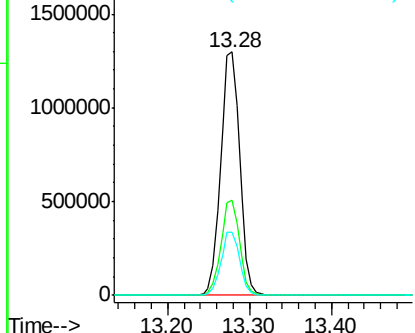
#44  
2-Fluorobiphenyl  
Concen: 89.08 ng  
RT: 13.28 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 2104725  
Ion Ratio Lower Upper  
172 100  
171 38.9 32.2 48.2  
170 25.9 21.8 32.6

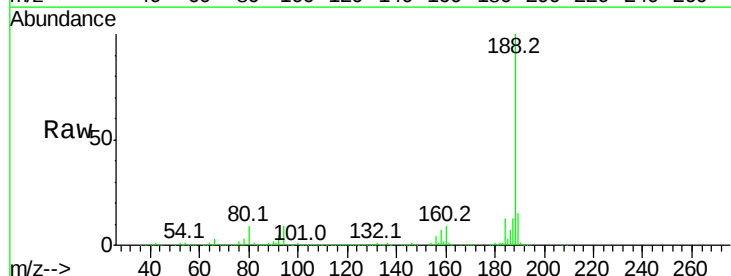


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

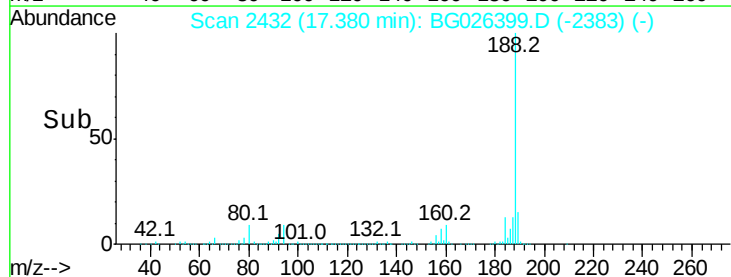
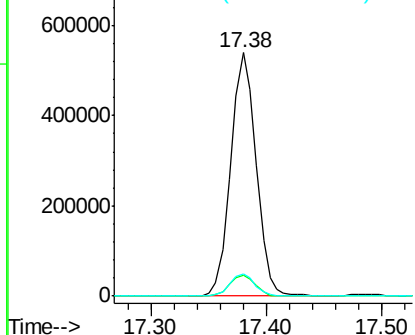


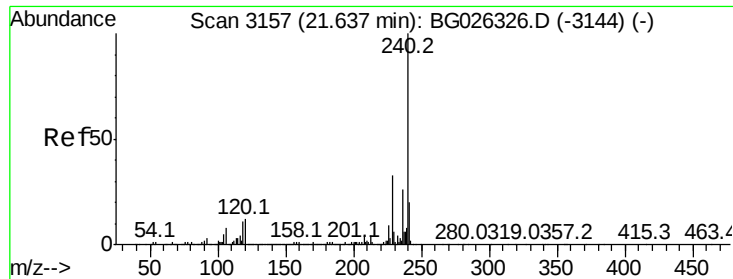
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2432  
Delta R.T. -0.01 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Tgt Ion:188 Resp: 820948  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.8 8.8  
80 8.9 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG0  
Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

Instrument :

BNA\_G

ClientSampleId :

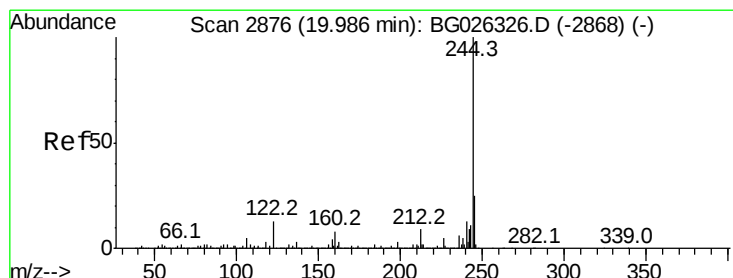
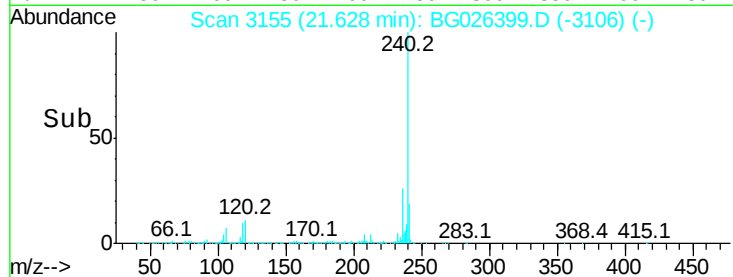
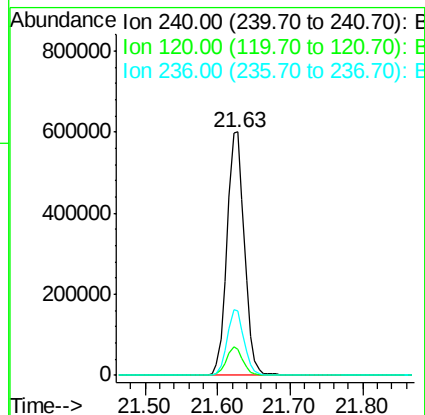
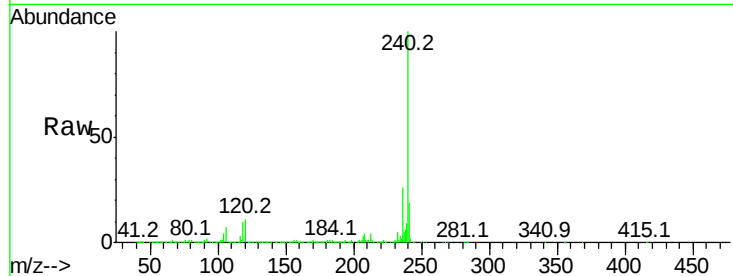
Tot Ion:240 Resp: 1000783

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

236 26.5 22.2 33.4



#78

Terphenyl-d14

Concen: 66.48 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

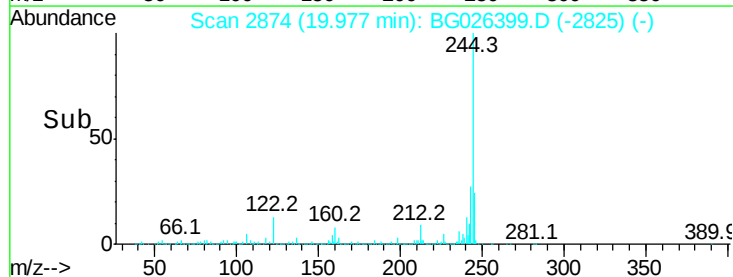
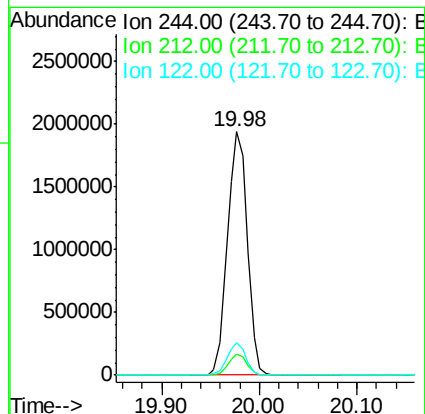
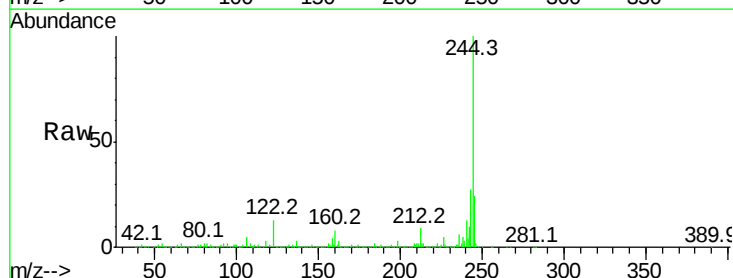
Tgt Ion:244 Resp: 2739642

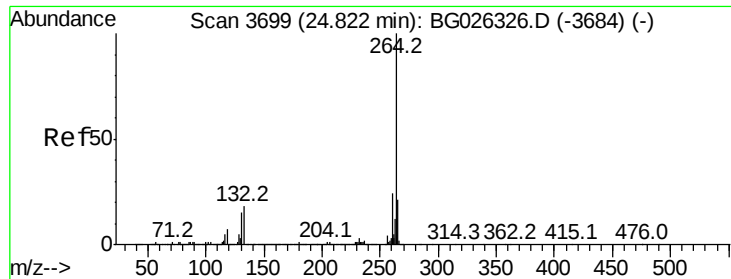
Ion Ratio Lower Upper

244 100

212 8.6 10.0 15.0#

122 13.1 8.6 12.8#

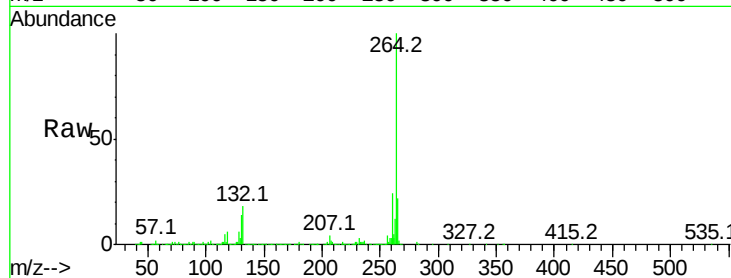




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.80 min Scan# 3695  
Delta R.T. -0.02 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 21.8  | 32.8  |
| 265     | 22.3  | 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

