

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091317\  
 Data File : BG028716.D  
 Acq On : 14 Sep 2017 4:05  
 Operator : SJ/JU  
 Sample : I5208-06  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-091117-B

Quant Time: Sep 14 09:05:10 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.33  | 152  | 21452    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.15 | 136  | 89039    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.94 | 164  | 70843    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 242106   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.02 | 240  | 276815   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.52 | 264  | 282267   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.90  | 112  | 195053   | 150.03 | ng    | 0.00     |
| 7) Phenol-d6                | 7.48  | 99   | 239846   | 122.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 183407   | 98.54  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.43 | 330  | 230435   | 196.67 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 477483   | 89.87  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.28 | 244  | 1302281  | 100.33 | ng    | 0.00     |

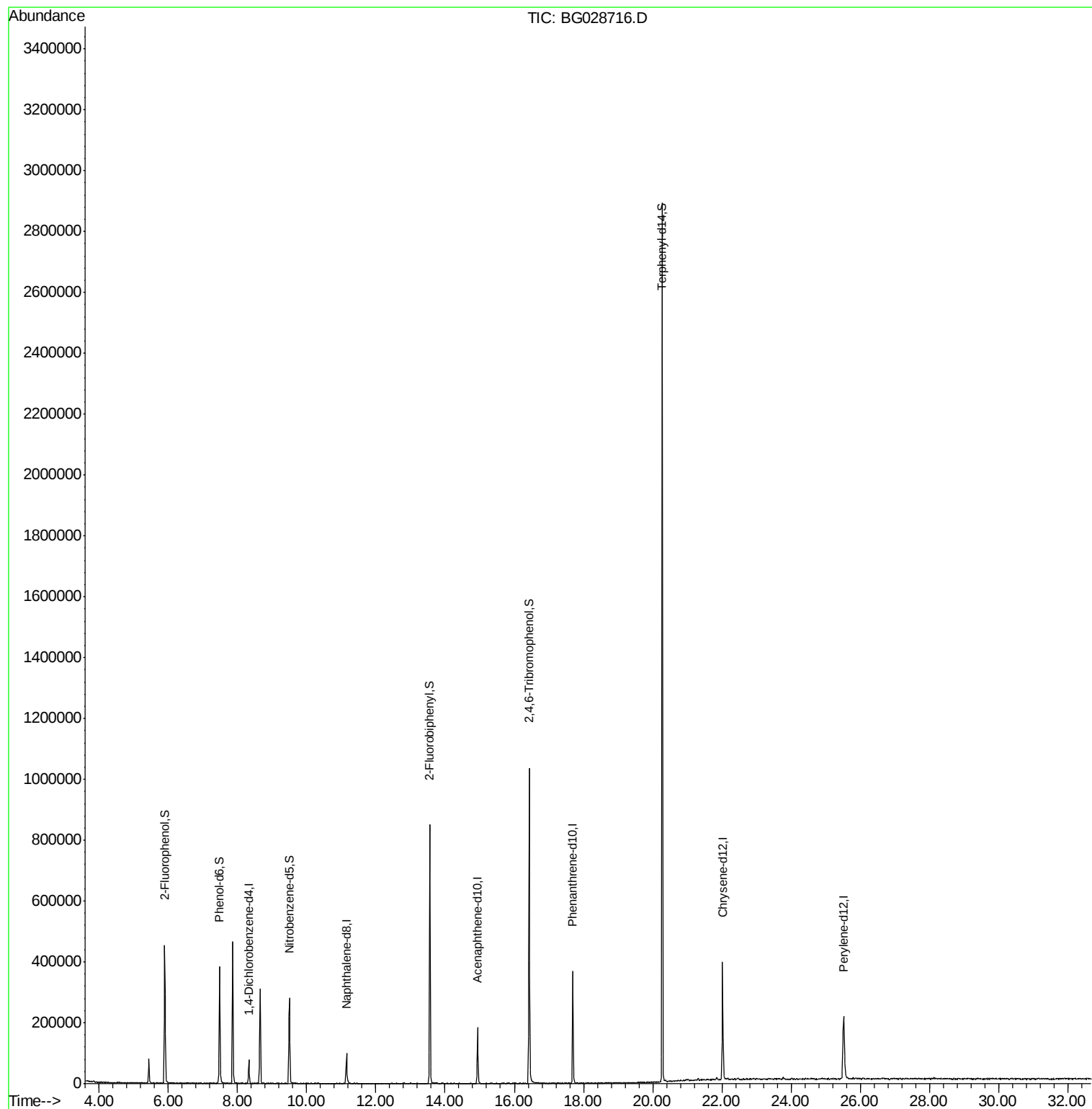
Target Compounds Qvalue

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

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QLast Update : Tue Sep 12 16:57:11 2017  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. 0.00 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-B

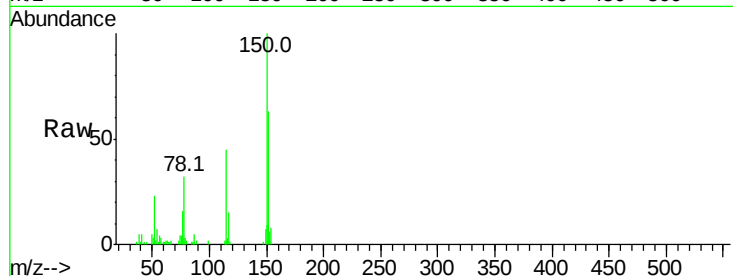
Tot Ion:152 Resp: 21452

Ion Ratio Lower Upper

152 100

150 159.6 114.0 171.0

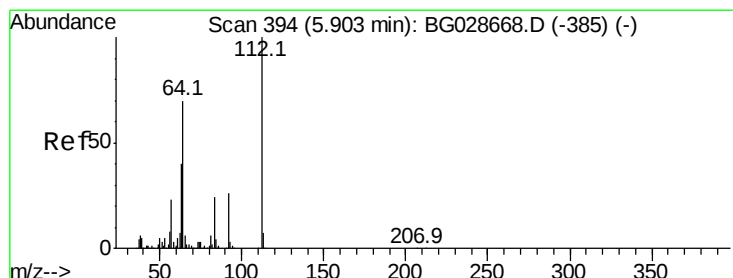
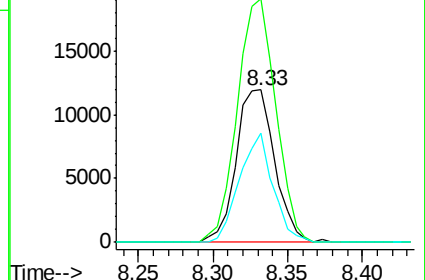
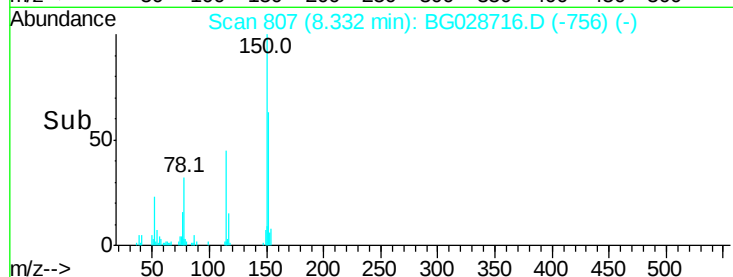
115 71.8 48.1 72.1



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: 150.031 ng

RT: 5.90 min Scan# 393

Delta R.T. -0.00 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

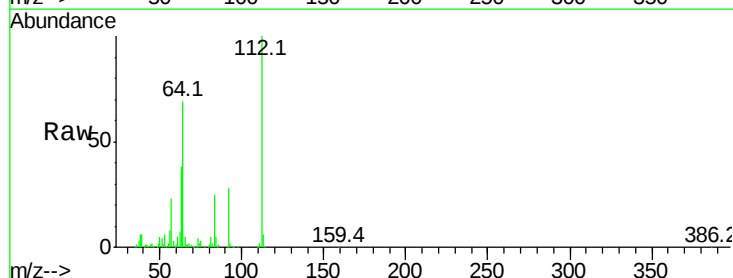
Tgt Ion:112 Resp: 195053

Ion Ratio Lower Upper

112 100

64 68.6 61.8 92.6

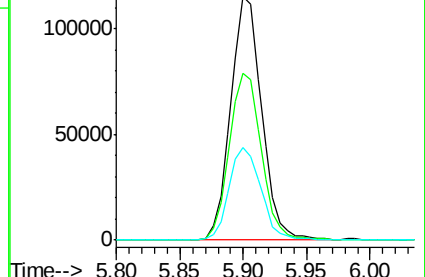
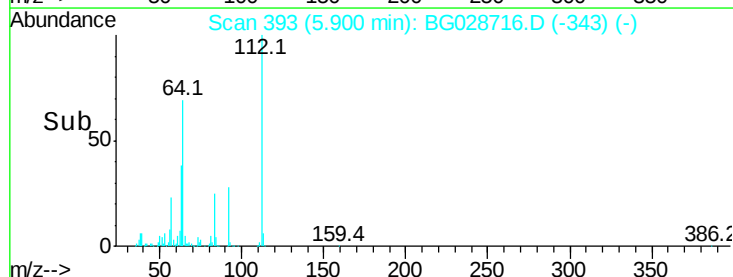
63 38.0 37.2 55.8

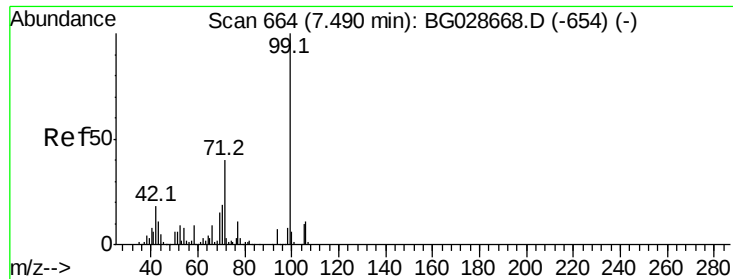


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.531 ng

RT: 7.48 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-B

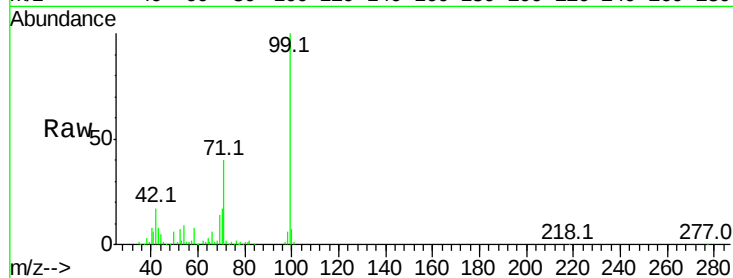
Tot Ion: 99 Resp: 239846

Ion Ratio Lower Upper

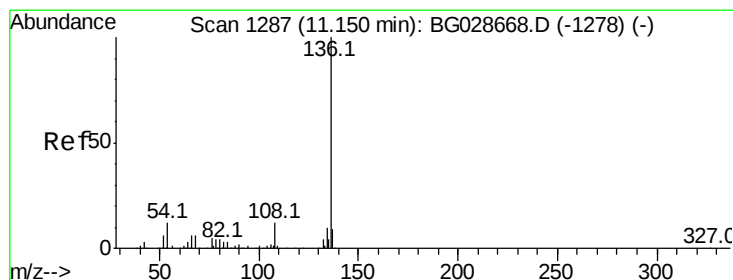
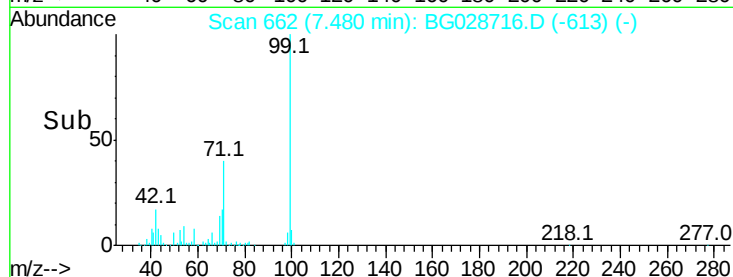
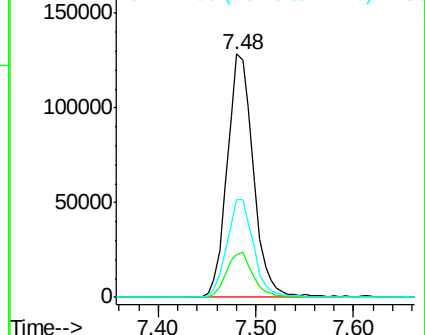
99 100

42 17.3 20.5 30.7#

71 40.4 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: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

Tgt Ion: 136 Resp: 89039

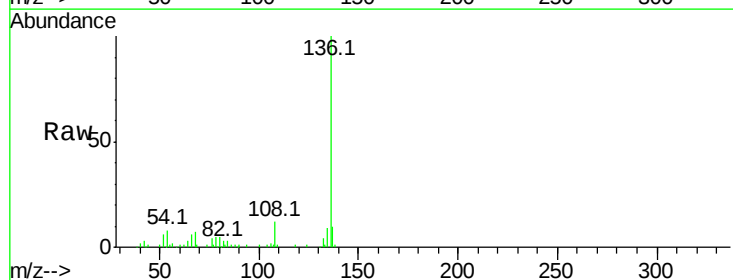
Ion Ratio Lower Upper

136 100

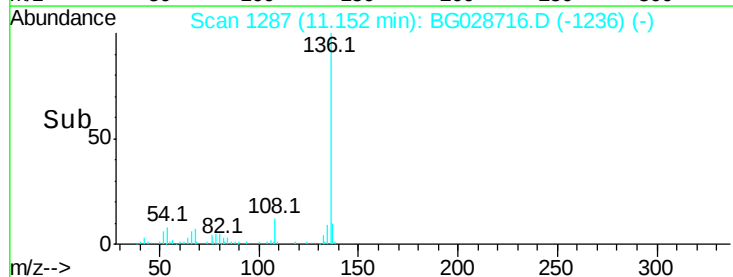
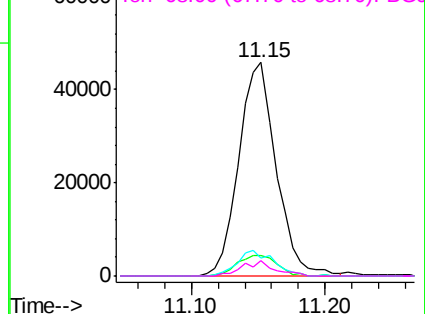
137 9.9 8.9 13.3

54 8.4 9.3 13.9#

68 7.2 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

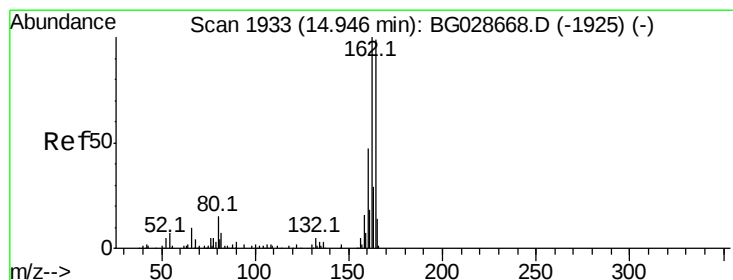
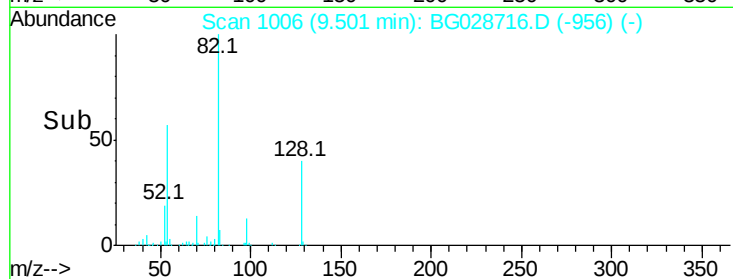
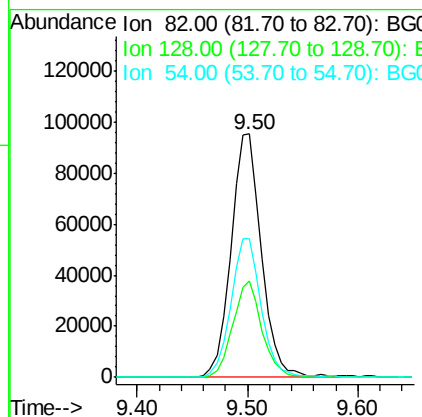
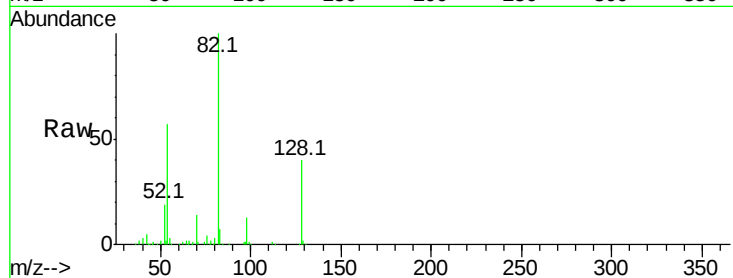




#23  
Nitrobenzene-d5  
Concen: 98.538 ng  
RT: 9.50 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: BG028716.D  
Acq: 14 Sep 2017 4:05

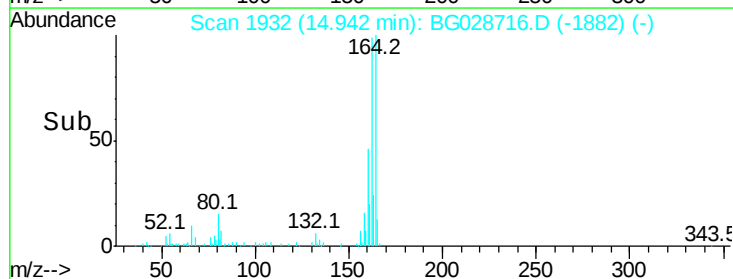
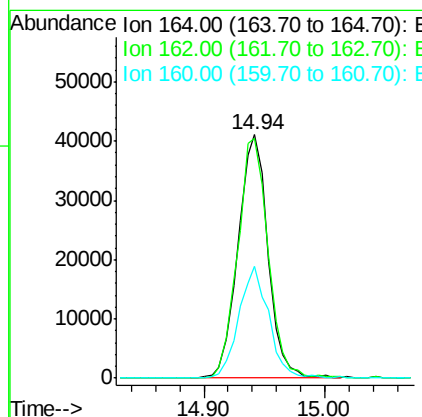
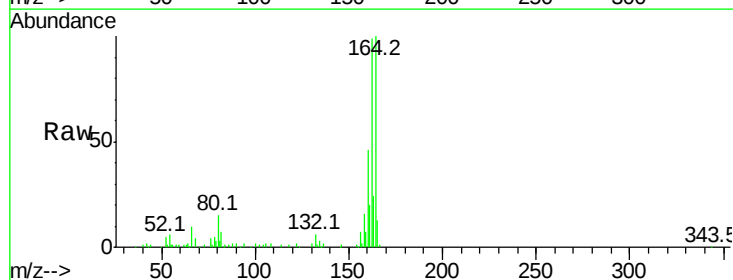
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-091117-B

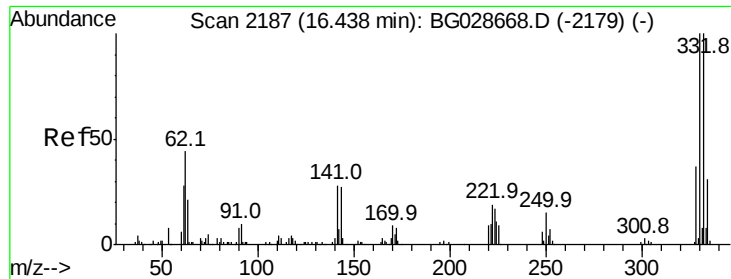
Tot Ion: 82 Resp: 183407  
Ion Ratio Lower Upper  
82 100  
128 39.7 26.4 39.6#  
54 56.8 49.4 74.2



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.94 min Scan# 1932  
Delta R.T. -0.00 min  
Lab File: BG028716.D  
Acq: 14 Sep 2017 4:05

Tgt Ion:164 Resp: 70843  
Ion Ratio Lower Upper  
164 100  
162 98.7 85.1 127.7  
160 45.9 34.7 52.1

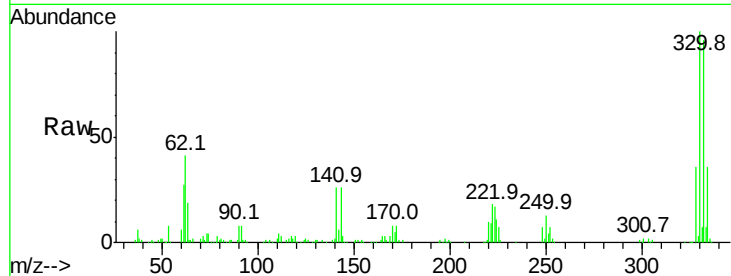




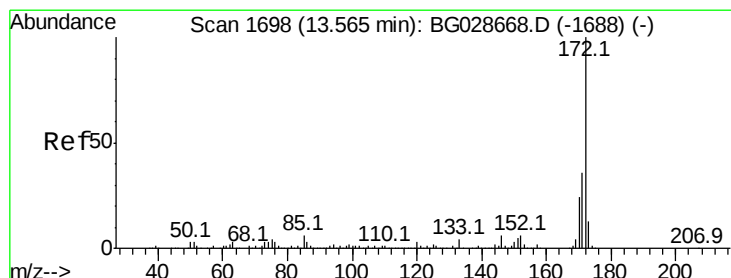
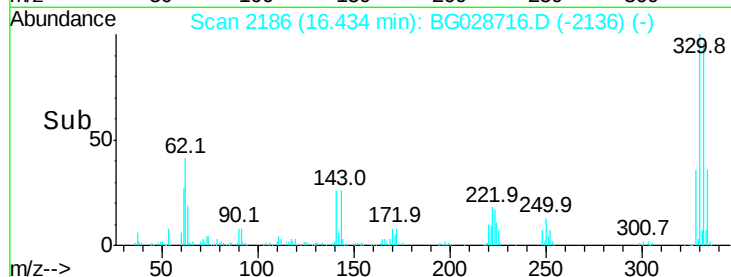
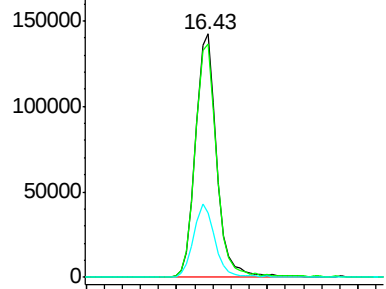
#41  
 2,4,6-Tribromophenol  
 Concen: 196.667 ng  
 RT: 16.43 min Scan# 2186  
 Delta R.T. -0.00 min  
 Lab File: BG028716.D  
 Acq: 14 Sep 2017 4:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-091117-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.3  | 115.9 |
| 141     | 30.4  | 32.1  | 48.1# |

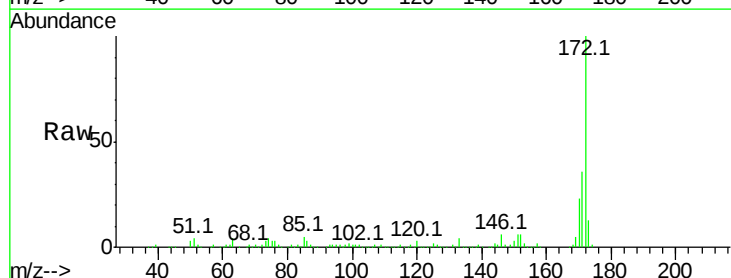


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

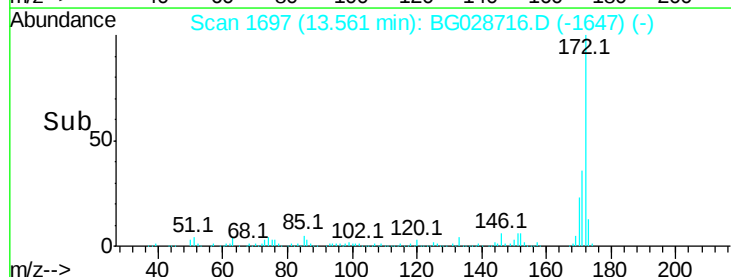
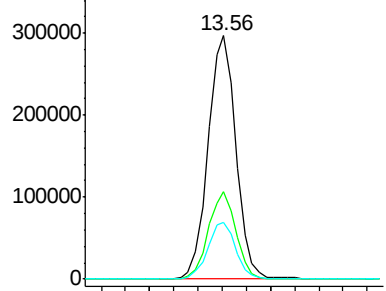


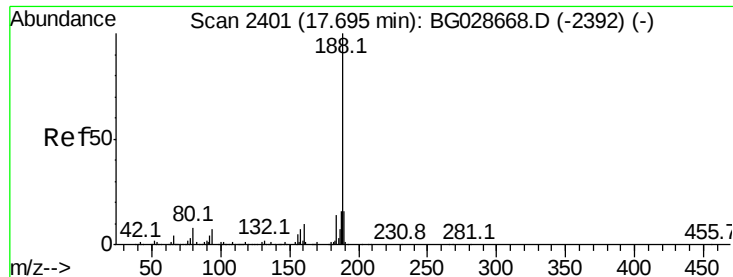
#44  
 2-Fluorobiphenyl  
 Concen: 89.873 ng  
 RT: 13.56 min Scan# 1697  
 Delta R.T. -0.00 min  
 Lab File: BG028716.D  
 Acq: 14 Sep 2017 4:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 32.2  | 48.2  |
| 170     | 23.4  | 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: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-B

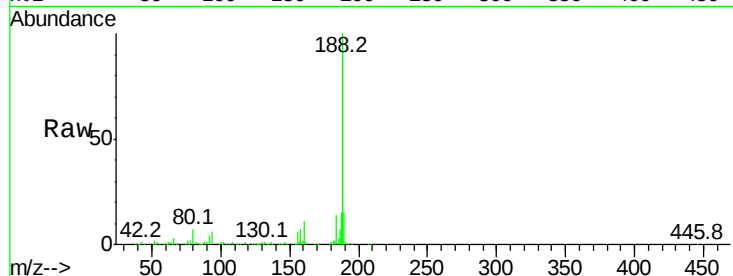
Tot Ion:188 Resp: 242106

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.8

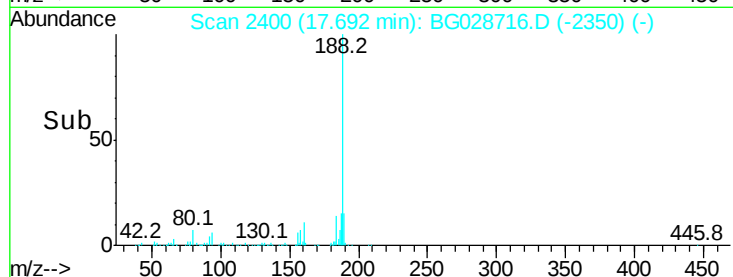
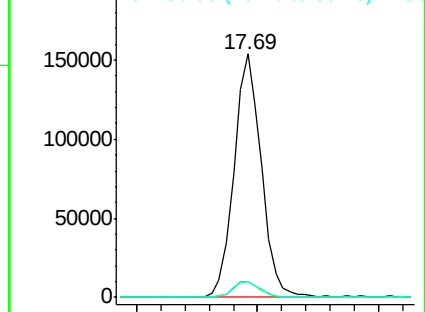
80 6.7 7.5 11.3#



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: 20.000 ng

RT: 22.02 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

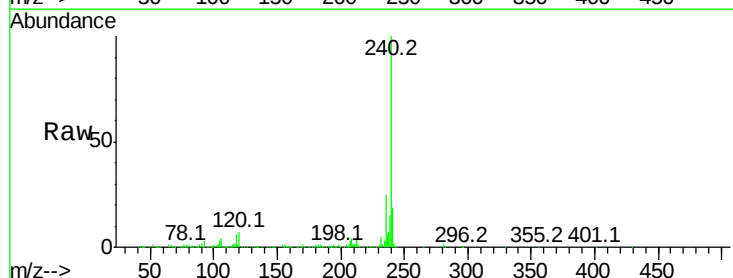
Tgt Ion:240 Resp: 276815

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

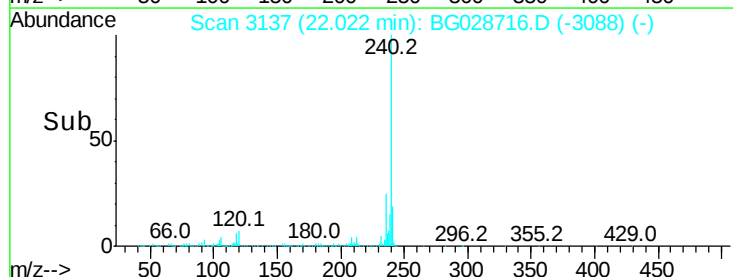
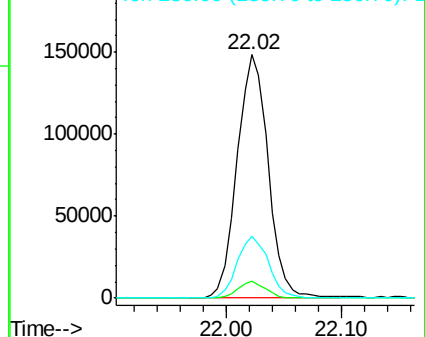
236 25.5 22.2 33.4

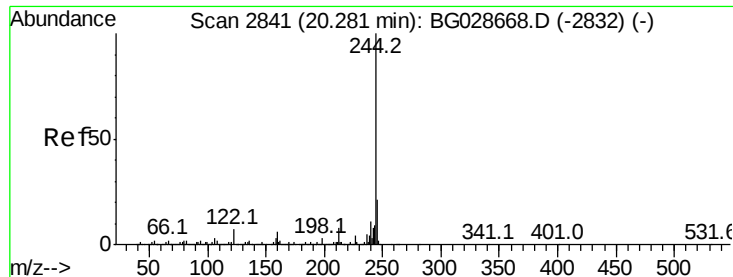


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 100.327 ng

RT: 20.28 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-B

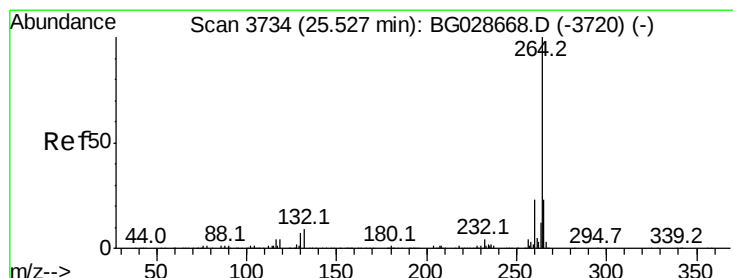
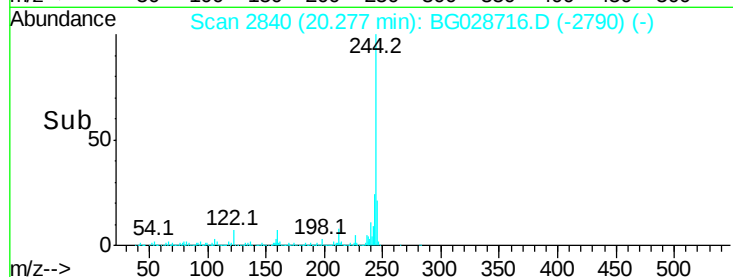
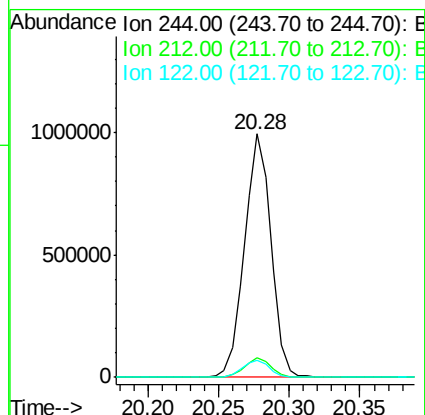
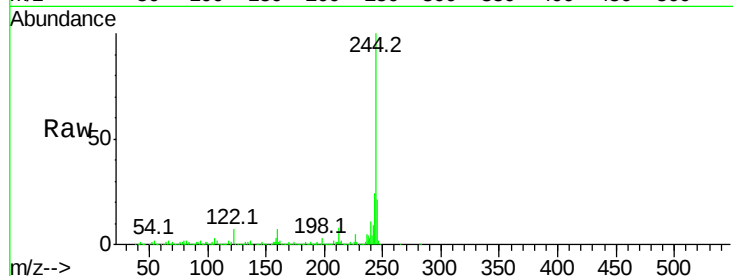
Tot Ion:244 Resp: 1302281

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

122 7.0 8.6 12.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.52 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG028716.D

Acq: 14 Sep 2017 4:05

Tgt Ion:264 Resp: 282267

Ion Ratio Lower Upper

264 100

260 22.0 21.8 32.8

265 20.8 18.2 27.4

