

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091317\  
 Data File : BG028715.D  
 Acq On : 14 Sep 2017 3:26  
 Operator : SJ/JU  
 Sample : I5208-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 14 09:04:18 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  | 21145    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.15 | 136  | 80460    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.94 | 164  | 62817    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 216768   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.03 | 240  | 256234   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.52 | 264  | 259621   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.90  | 112  | 99846    | 77.91  | ng    | 0.00     |
| 7) Phenol-d6                | 7.49  | 99   | 126223   | 65.42  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 96144    | 57.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.43 | 330  | 117543   | 113.14 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 252729   | 53.65  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.28 | 244  | 735036   | 61.18  | ng    | 0.00     |

Target Compounds Qvalue

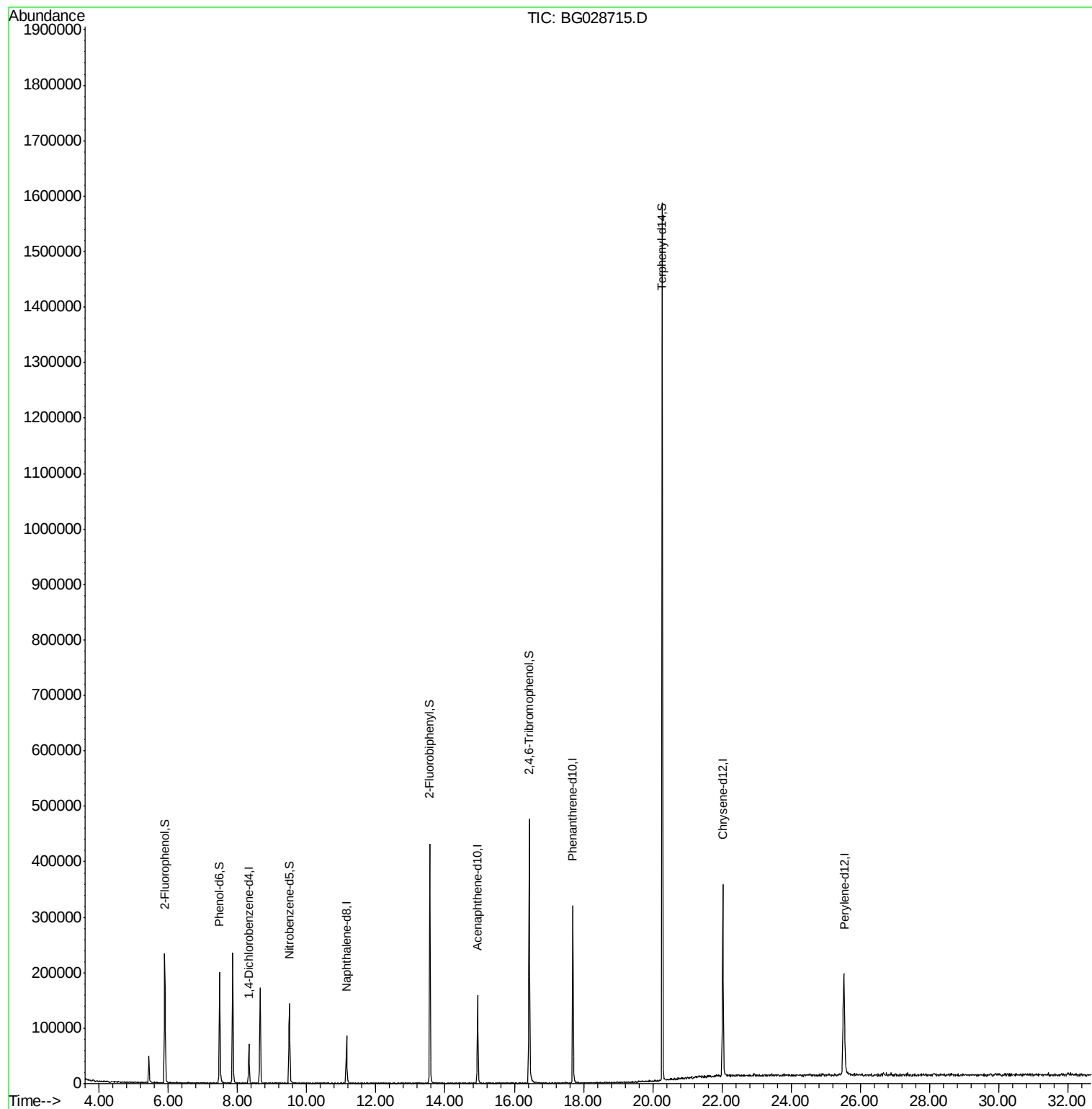
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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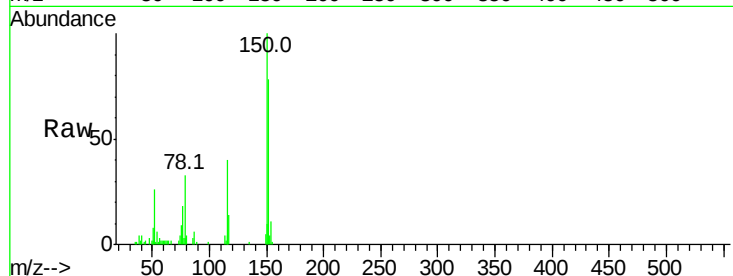


#1

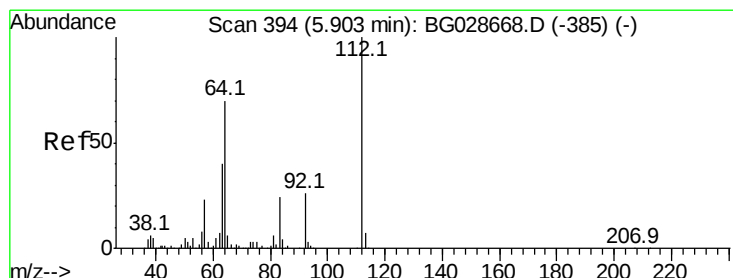
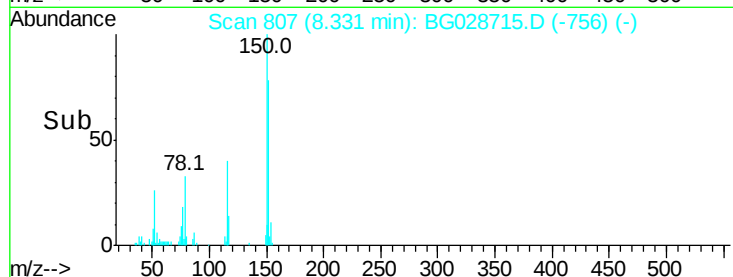
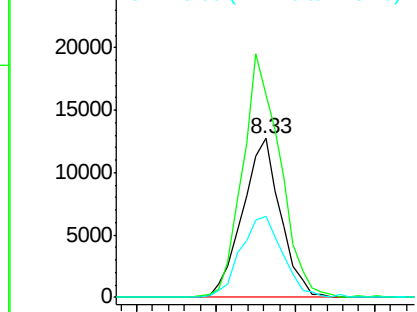
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.33 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BG028715.D  
Acq: 14 Sep 2017 3:26

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 127.8 | 114.0 | 171.0 |
| 115     | 51.4  | 48.1  | 72.1  |



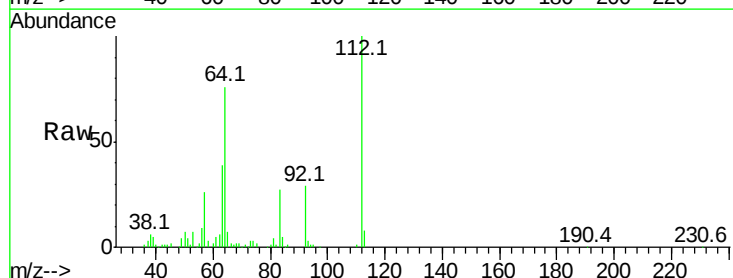
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



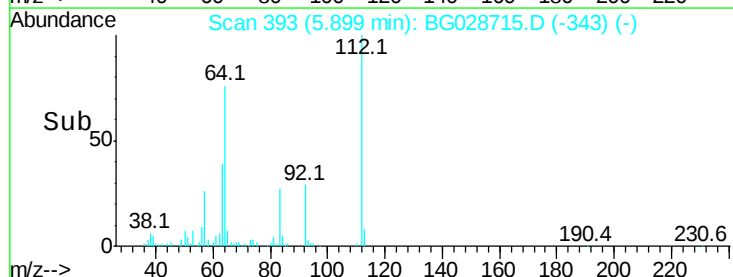
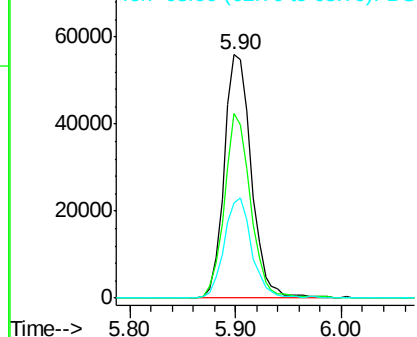
#5

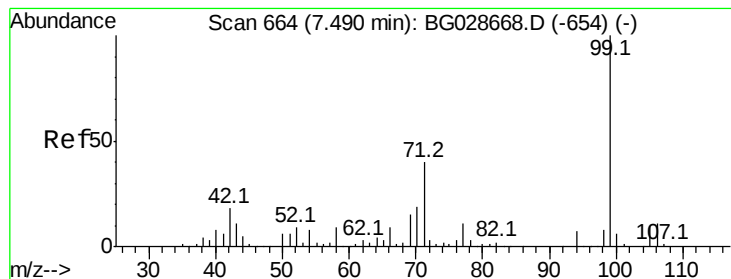
2-Fluorophenol  
Concen: 77.915 ng  
RT: 5.90 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BG028715.D  
Acq: 14 Sep 2017 3:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 75.6  | 61.8  | 92.6  |
| 63      | 38.9  | 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: 65.420 ng

RT: 7.49 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-D

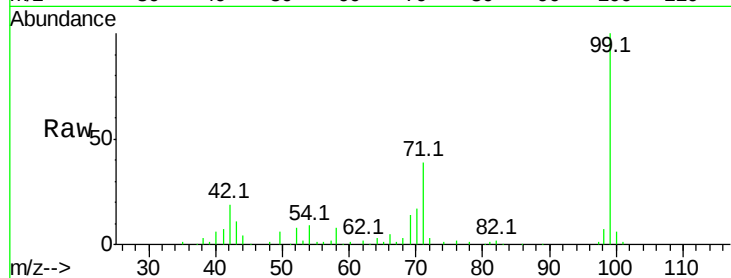
Tot Ion: 99 Resp: 126223

Ion Ratio Lower Upper

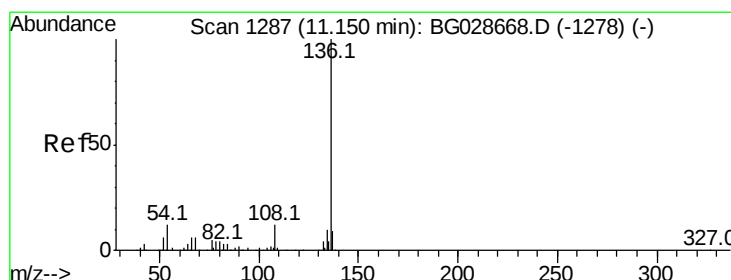
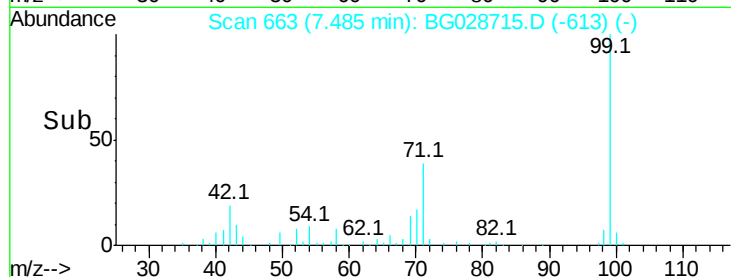
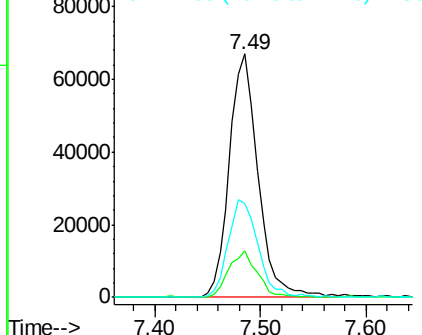
99 100

42 18.9 20.5 30.7#

71 38.7 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: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

Tgt Ion: 136 Resp: 80460

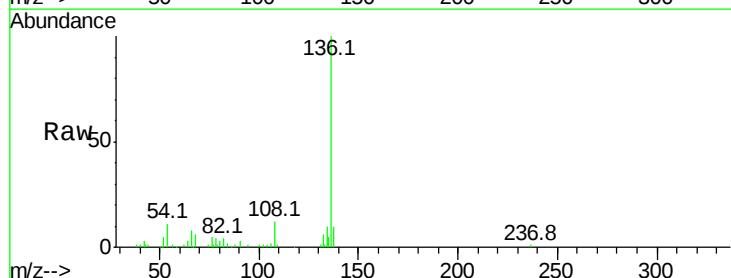
Ion Ratio Lower Upper

136 100

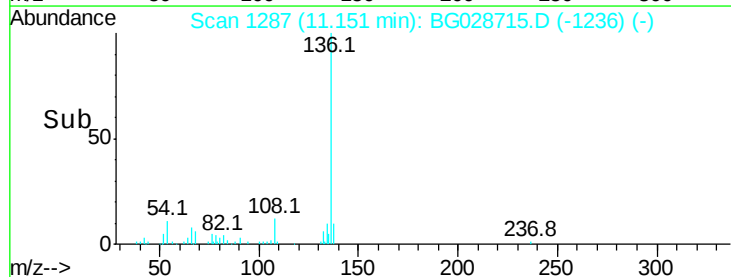
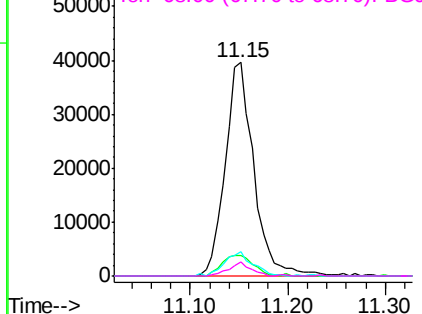
137 9.5 8.9 13.3

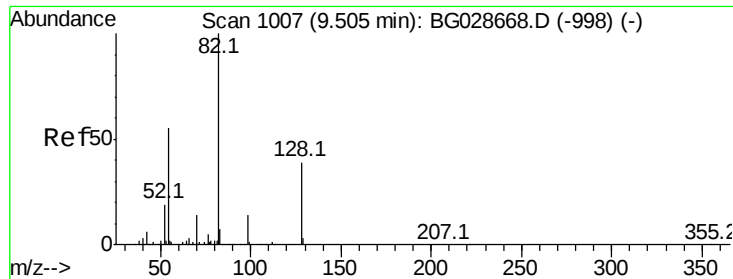
54 11.3 9.3 13.9

68 6.5 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

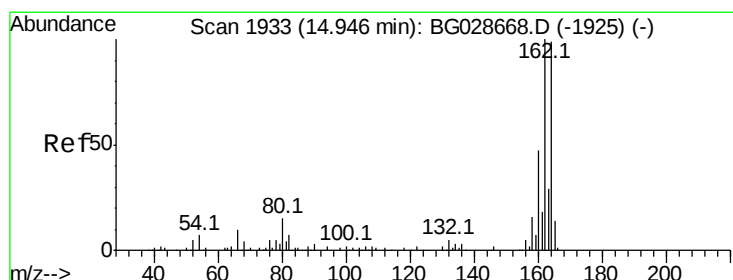
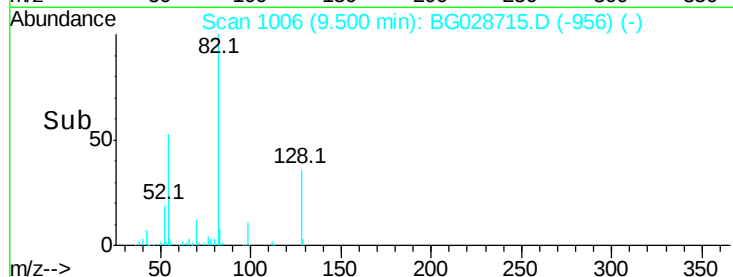
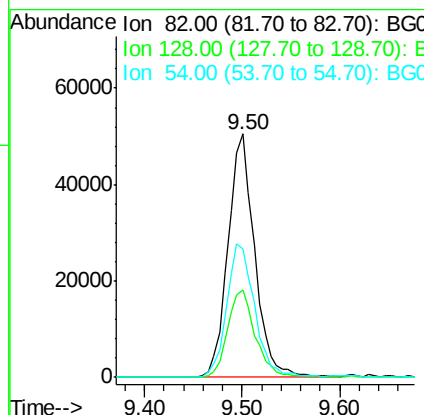
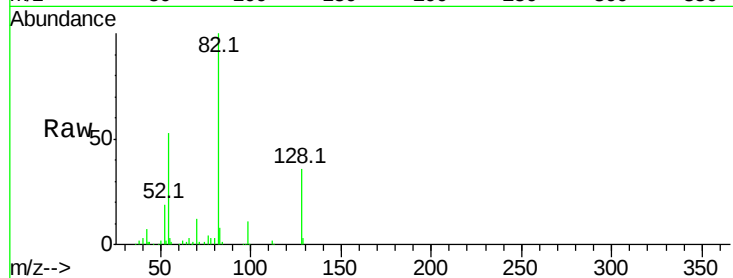




#23  
 Nitrobenzene-d5  
 Concen: 57.162 ng  
 RT: 9.50 min Scan# 1006  
 Delta R.T. -0.00 min  
 Lab File: BG028715.D  
 Acq: 14 Sep 2017 3:26

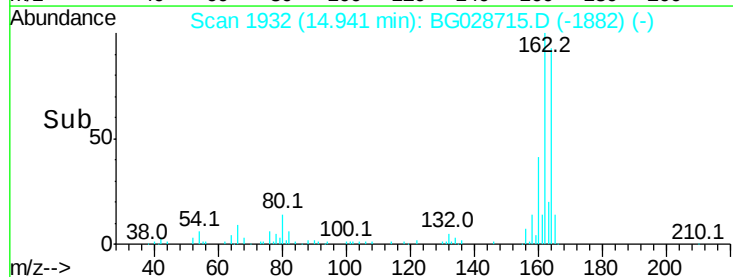
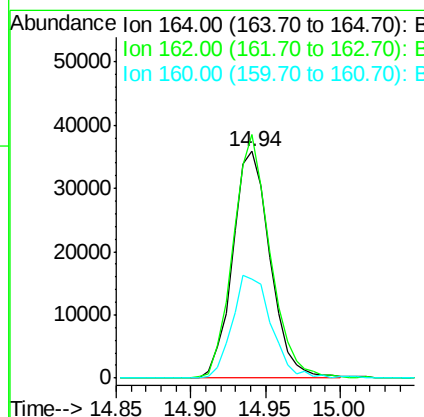
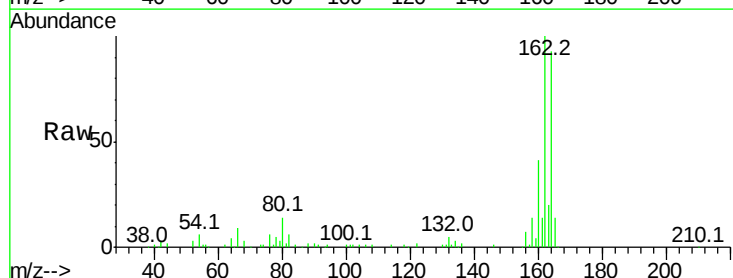
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-091117-D

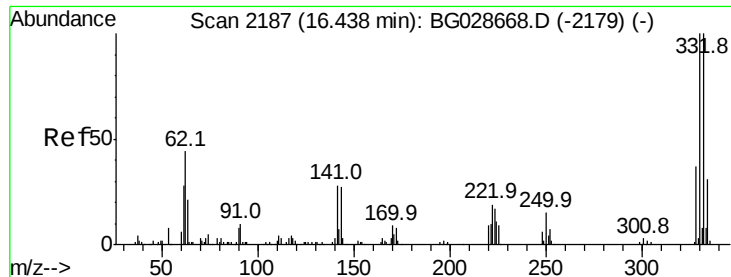
| Tot Ion   | 82    | Resp  | 96144 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 35.9  | 26.4  | 39.6  |
| 54        | 52.9  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.94 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: BG028715.D  
 Acq: 14 Sep 2017 3:26

| Tgt Ion   | 164   | Resp  | 62817 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 107.5 | 85.1  | 127.7 |
| 160       | 43.6  | 34.7  | 52.1  |





#41

2,4,6-Tribromophenol

Concen: 113.136 ng

RT: 16.43 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-D

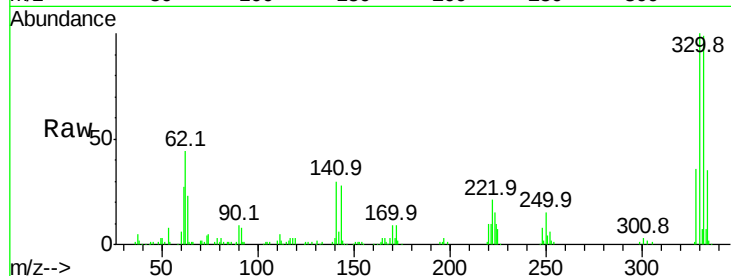
Tot Ion:330 Resp: 117543

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

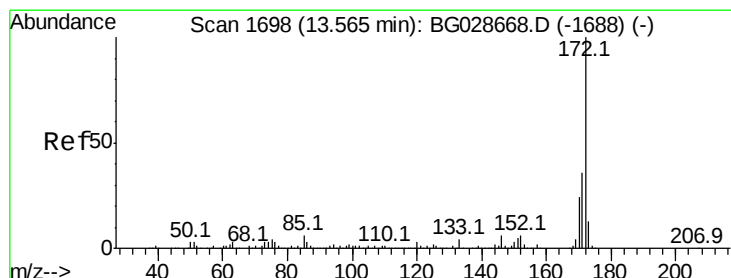
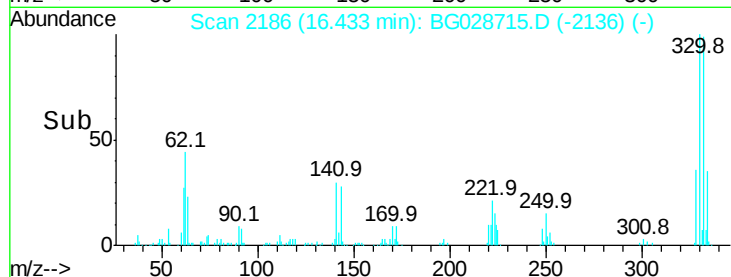
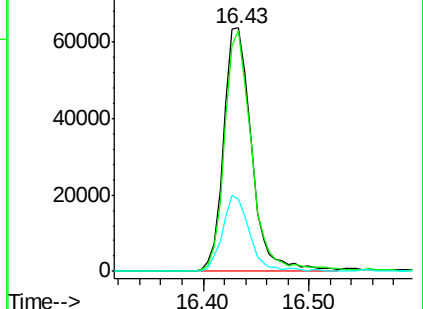
141 30.1 32.1 48.1#



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: 53.647 ng

RT: 13.56 min Scan# 1697

Delta R.T. -0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

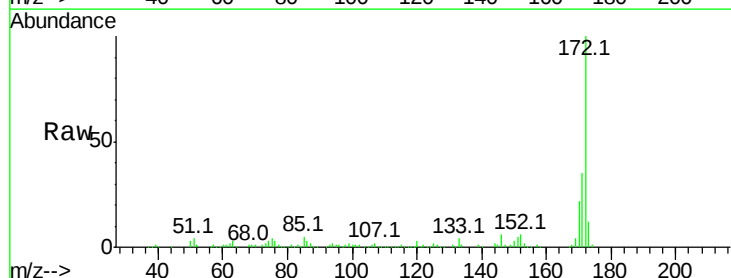
Tgt Ion:172 Resp: 252729

Ion Ratio Lower Upper

172 100

171 34.5 32.2 48.2

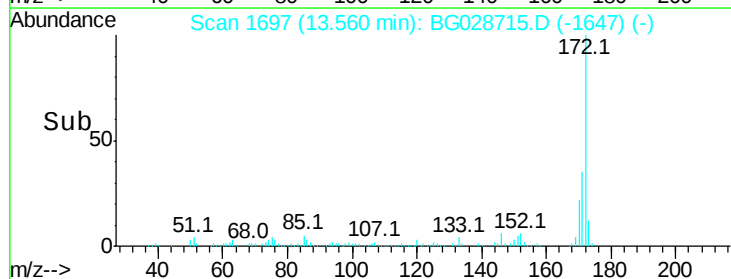
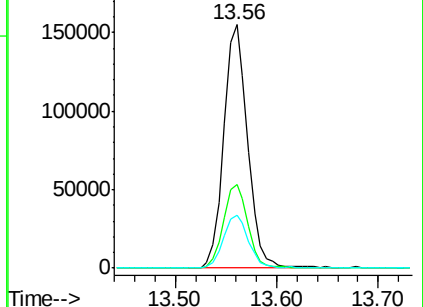
170 21.6 21.8 32.6#

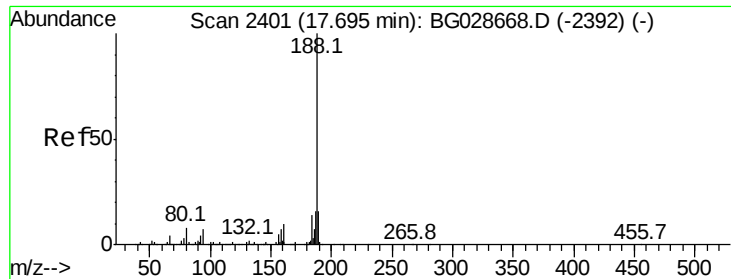


Abundance Ion 172.00 (171.70 to 172.70): E

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: BG028715.D

Acq: 14 Sep 2017 3:26

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-D

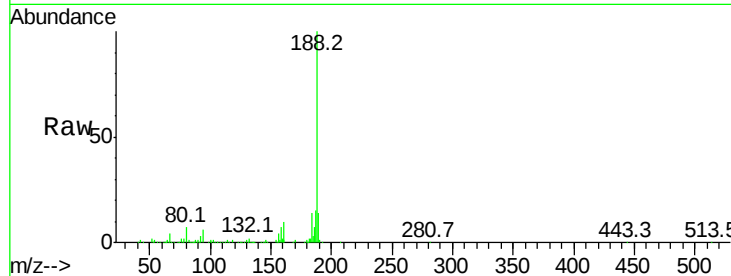
Tot Ion:188 Resp: 216768

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

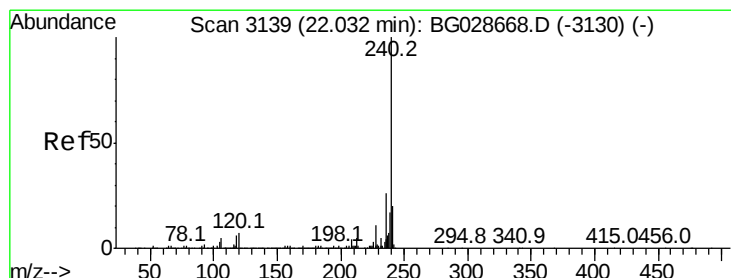
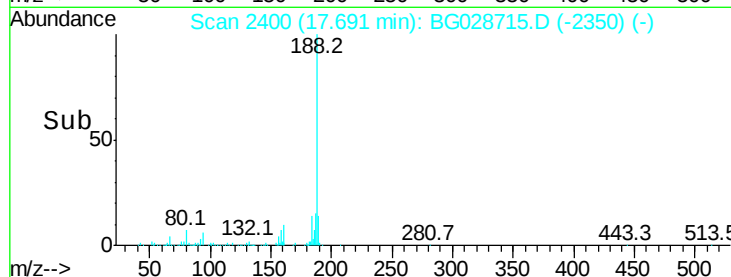
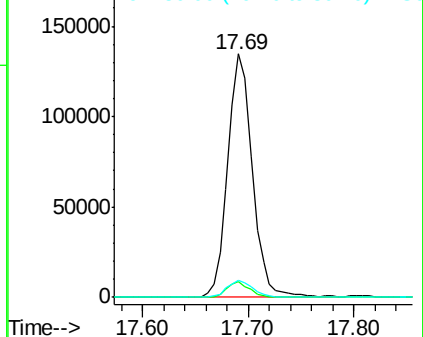
80 7.1 7.5 11.3#



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: 22.03 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

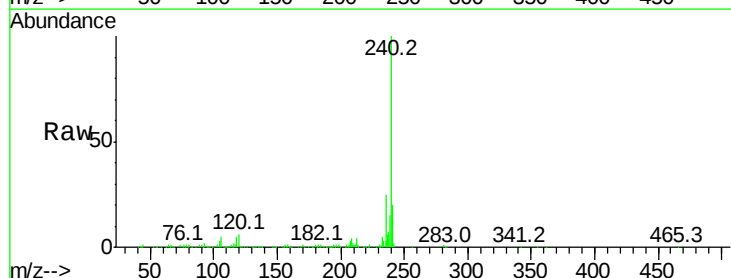
Tgt Ion:240 Resp: 256234

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

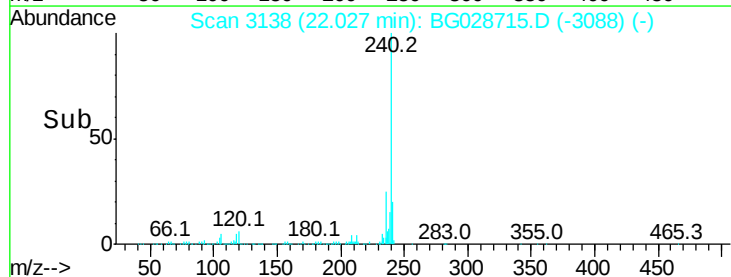
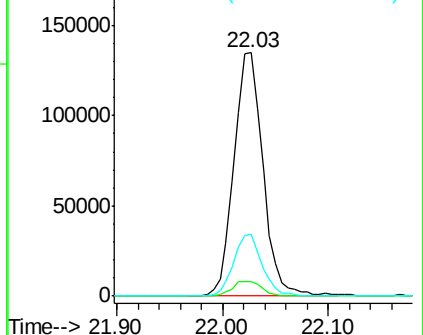
236 25.3 22.2 33.4

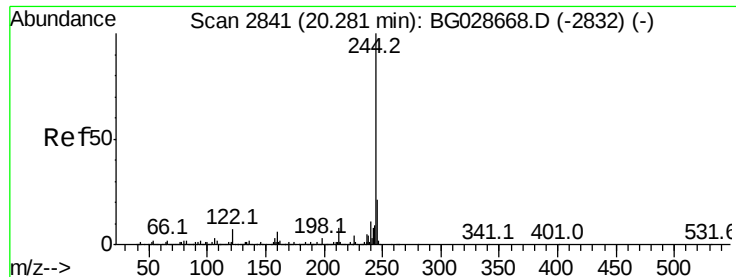


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 61.175 ng

RT: 20.28 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

Instrument :

BNA\_G

ClientSampleId :

CL-02-091117-D

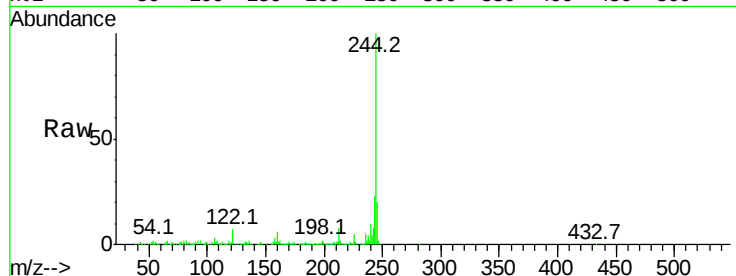
Tot Ion:244 Resp: 735036

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

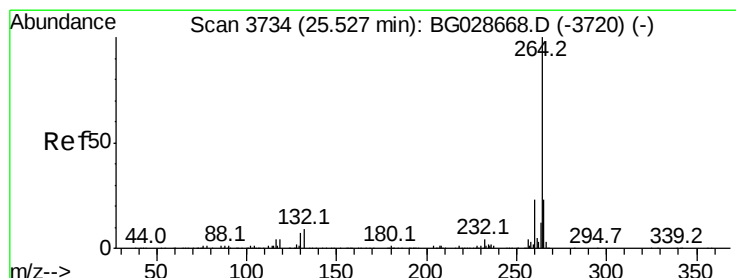
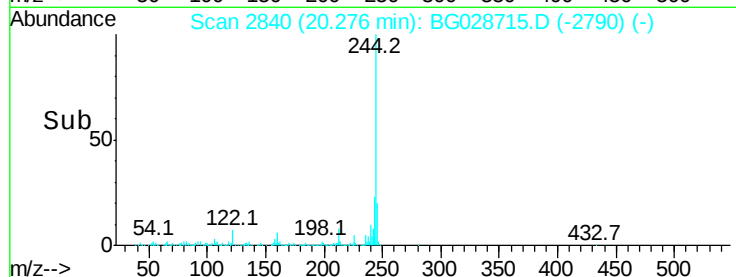
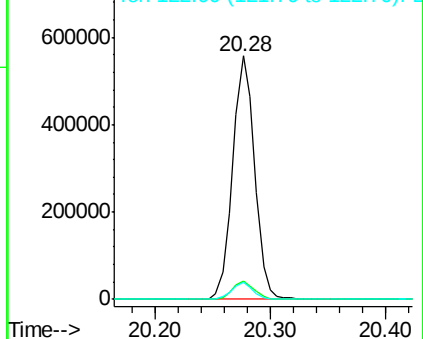
122 7.1 8.6 12.8#



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

Perylene-d12

Concen: 20.000 ng

RT: 25.52 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG028715.D

Acq: 14 Sep 2017 3:26

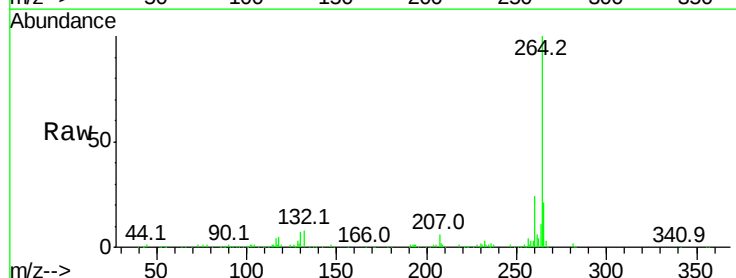
Tgt Ion:264 Resp: 259621

Ion Ratio Lower Upper

264 100

260 23.7 21.8 32.8

265 21.3 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

