

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052215\  
 Data File : BG017269.D  
 Acq On : 23 May 2015 6:47  
 Operator : TP/IZ  
 Sample : G2255-15  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW014-150512

Quant Time: May 25 09:23:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 25 08:11:45 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 32335    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.47 | 136  | 138617   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.33 | 164  | 82663    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 182262   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 200555   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.52 | 264  | 194594   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 2875     | 1.58  | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 2905     | 1.14  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 19334    | 6.51  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 7051     | 7.06  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 38913    | 6.91  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.71 | 244  | 96119    | 9.99  | ng    | 0.00     |

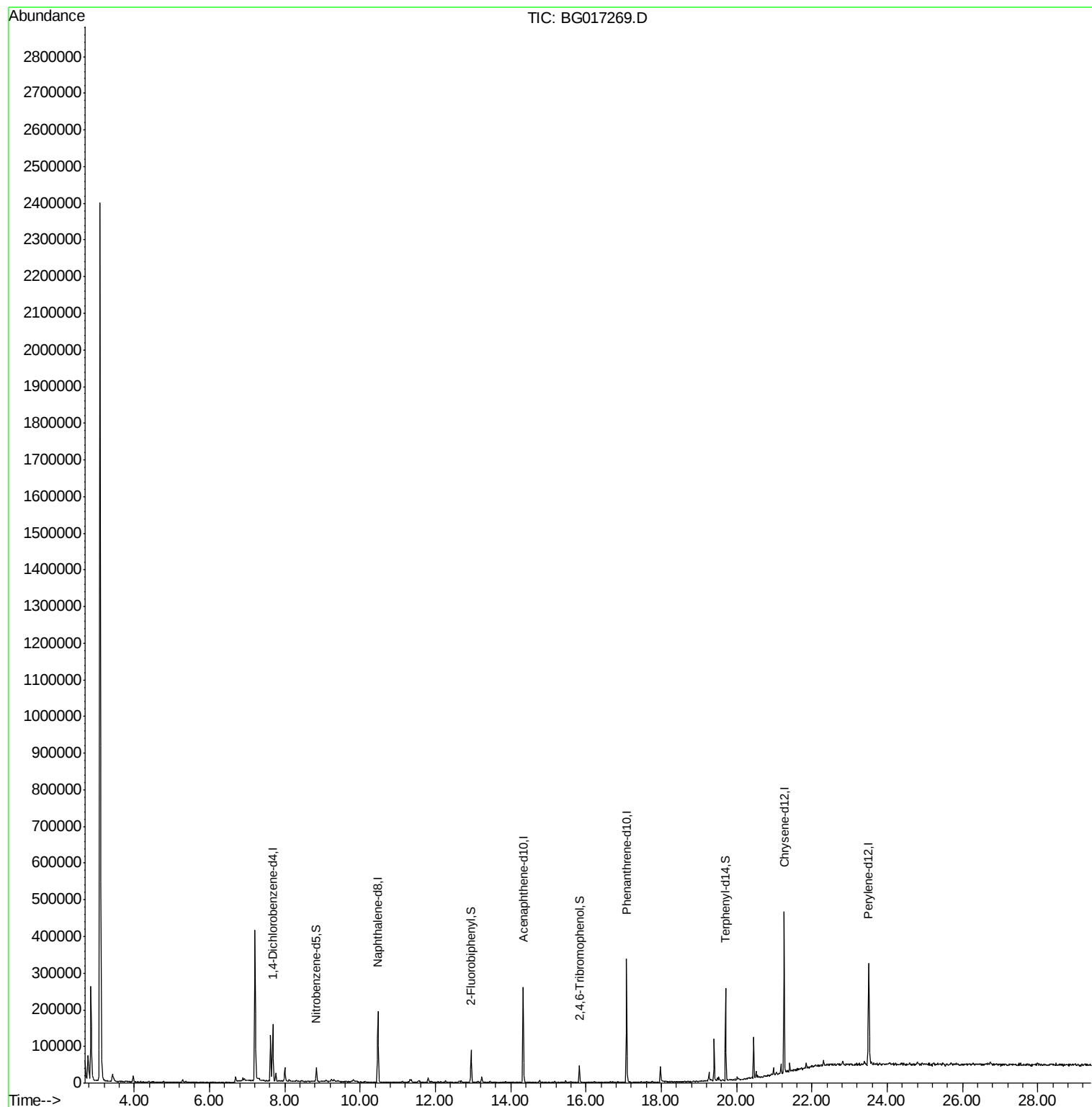
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052215\  
Data File : BG017269.D  
Acq On : 23 May 2015 6:47  
Operator : TP/IZ  
Sample : G2255-15  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SS043MW014-150512

Quant Time: May 25 09:23:41 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 25 08:11:45 2015  
Response via : Initial Calibration



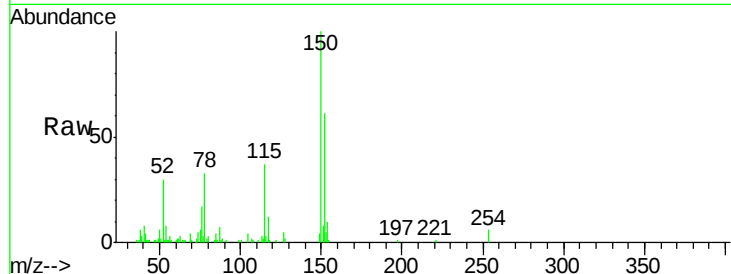


#1

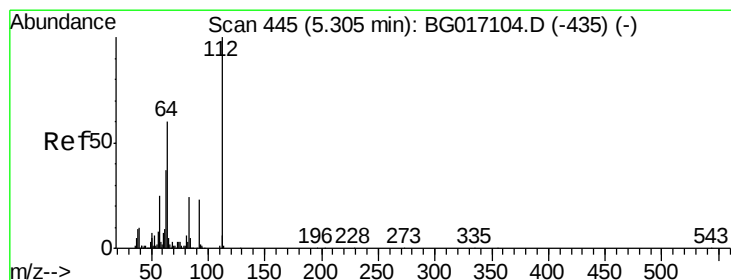
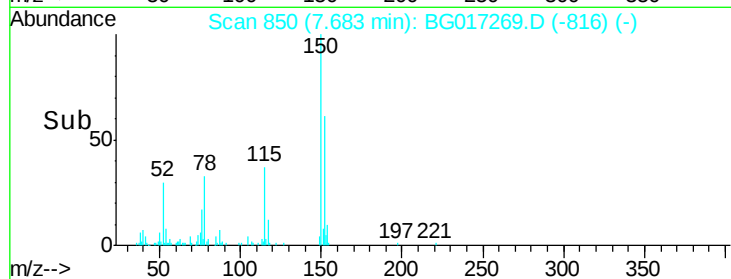
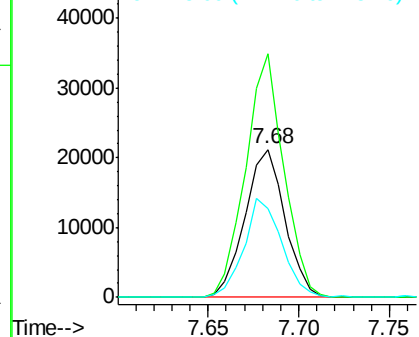
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.68 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BG017269.D  
Acq: 23 May 2015 6:47

Instrument :  
BNA\_G  
ClientSampleId :  
SS043MW014-150512

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.4 | 120.8 | 181.2 |
| 115     | 60.2  | 49.4  | 74.2  |



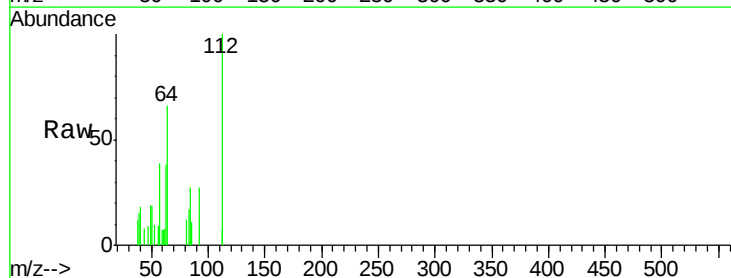
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



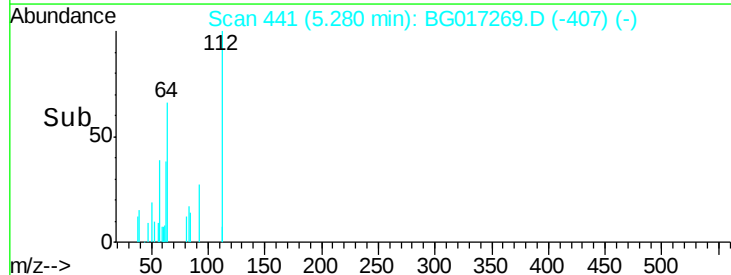
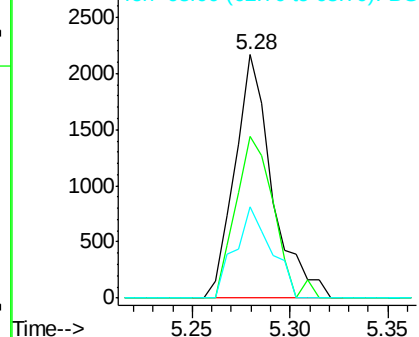
#5

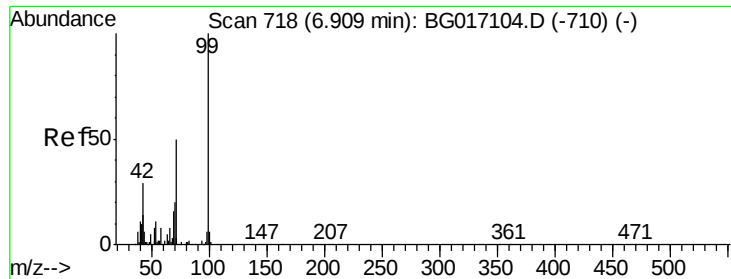
2-Fluorophenol  
Concen: 1.58 ng  
RT: 5.28 min Scan# 441  
Delta R.T. 0.00 min  
Lab File: BG017269.D  
Acq: 23 May 2015 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.3  | 48.1  | 72.1  |
| 63      | 37.8  | 29.8  | 44.8  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 1.14 ng

RT: 6.89 min Scan# 715

Delta R.T. 0.01 min

Lab File: BG017269.D

Acq: 23 May 2015 6:47

Instrument :

BNA\_G

ClientSampleId :

SS043MW014-150512

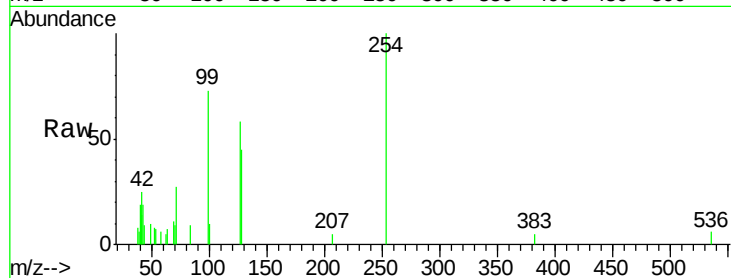
Tgt Ion: 99 Resp: 2905

Ion Ratio Lower Upper

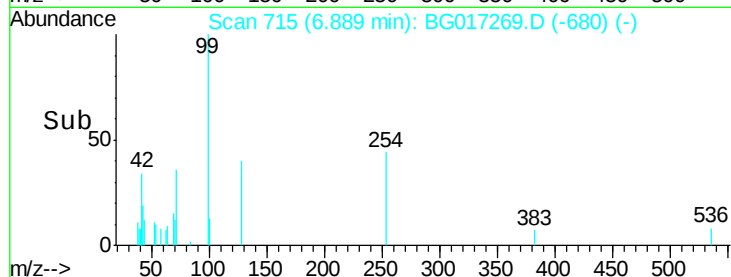
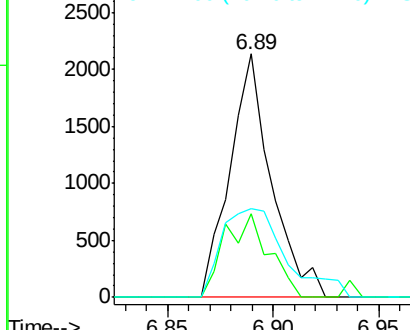
99 100

42 34.2 23.5 35.3

71 36.2 39.8 59.8#



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: 10.47 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG017269.D

Acq: 23 May 2015 6:47

Tgt Ion: 136 Resp: 138617

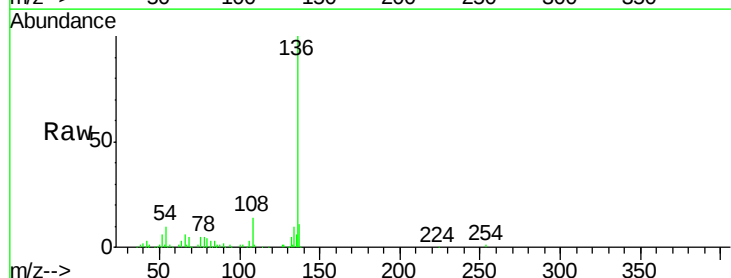
Ion Ratio Lower Upper

136 100

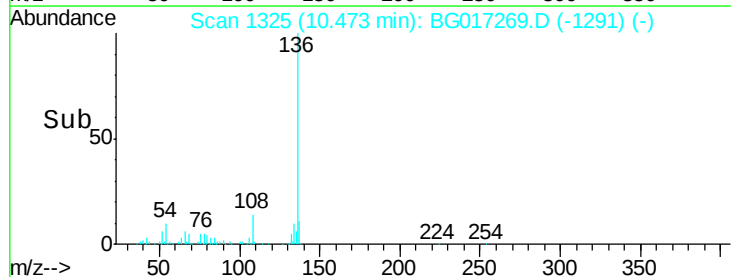
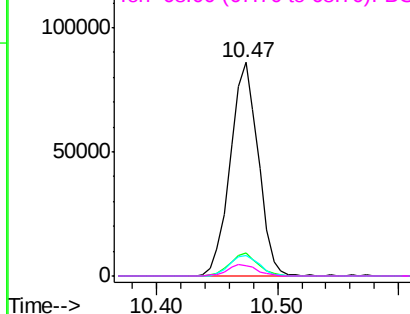
137 10.6 8.3 12.5

54 9.5 7.4 11.2

68 5.0 3.6 5.4



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

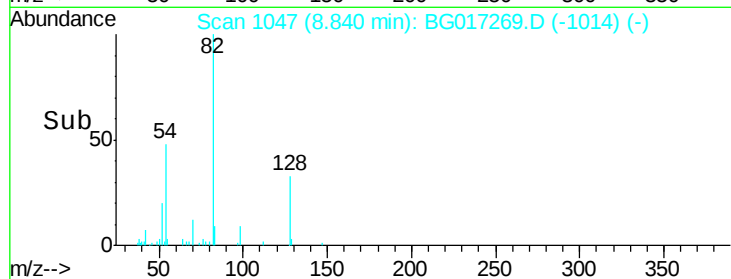
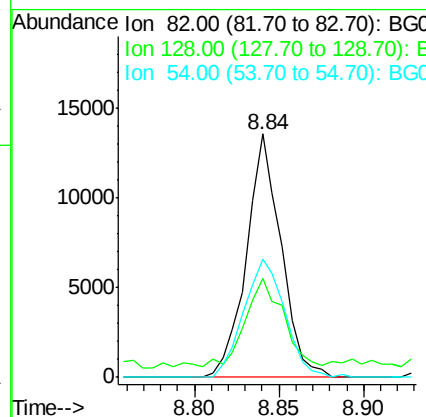
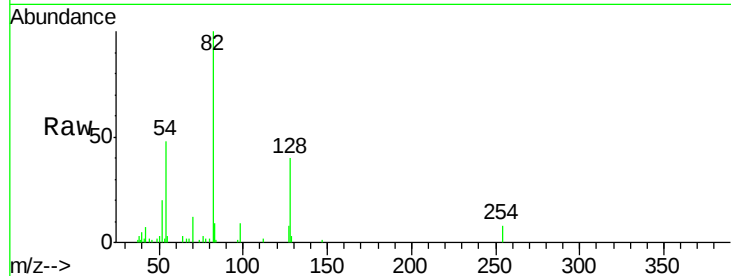




#23  
 Nitrobenzene-d5  
 Concen: 6.51 ng  
 RT: 8.84 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: BG017269.D  
 Acq: 23 May 2015 6:47

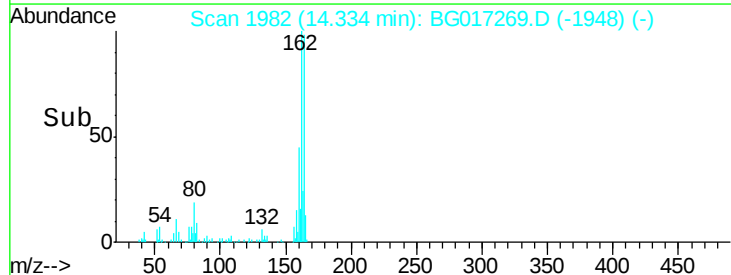
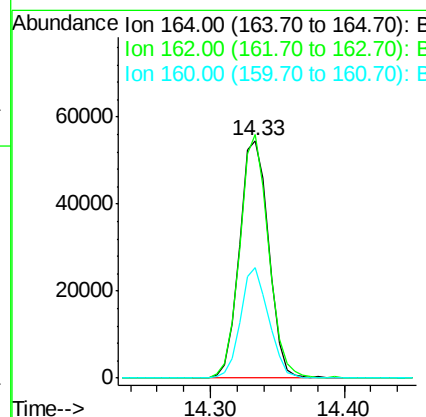
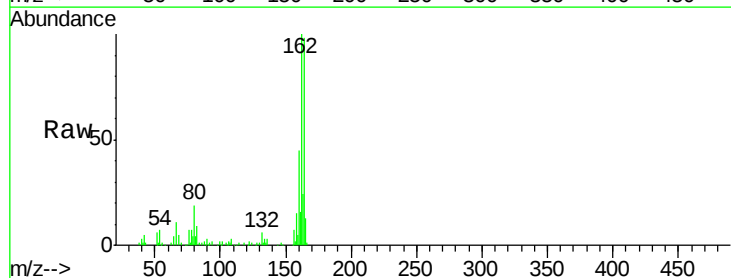
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW014-150512

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.5  | 32.6  | 49.0  |
| 54      | 48.4  | 49.6  | 74.4# |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.33 min Scan# 1982  
 Delta R.T. 0.00 min  
 Lab File: BG017269.D  
 Acq: 23 May 2015 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.4 | 82.1  | 123.1 |
| 160     | 46.4  | 34.8  | 52.2  |

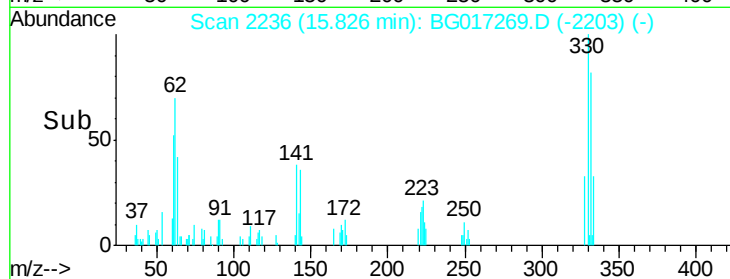
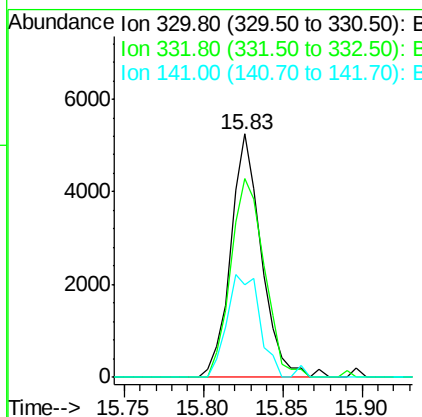
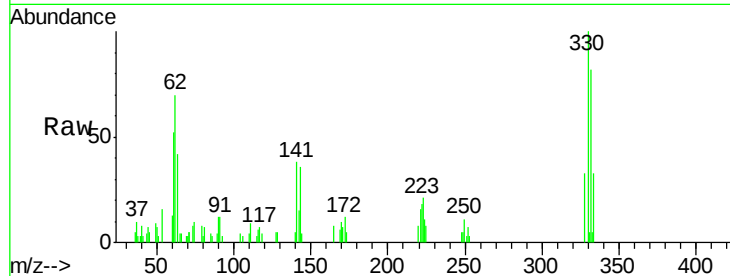




#41  
 2,4,6-Tribromophenol  
 Concen: 7.06 ng  
 RT: 15.83 min Scan# 2236  
 Delta R.T. -0.00 min  
 Lab File: BG017269.D  
 Acq: 23 May 2015 6:47

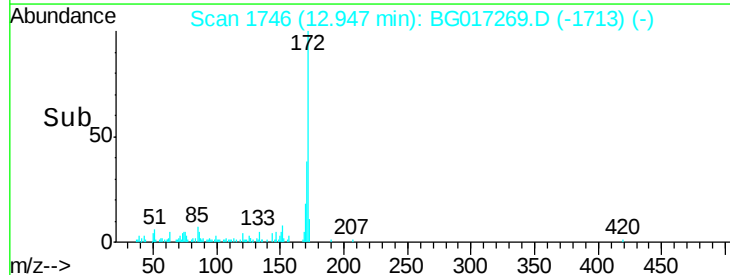
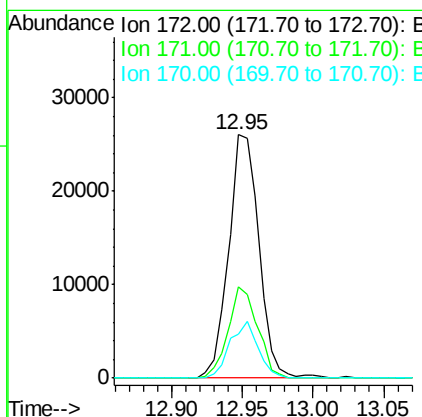
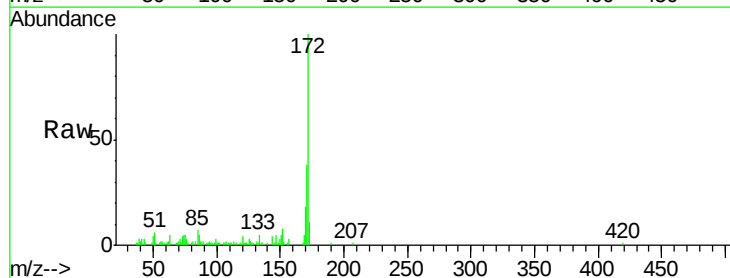
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW014-150512

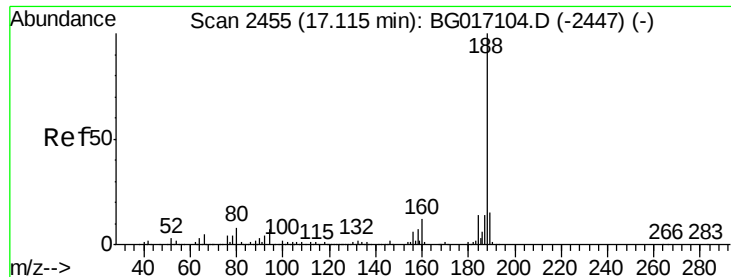
Tgt Ion: 330 Resp: 7051  
 Ion Ratio Lower Upper  
 330 100  
 332 89.3 76.9 115.3  
 141 44.8 42.2 63.2



#44  
 2-Fluorobiphenyl  
 Concen: 6.91 ng  
 RT: 12.95 min Scan# 1746  
 Delta R.T. -0.00 min  
 Lab File: BG017269.D  
 Acq: 23 May 2015 6:47

Tgt Ion: 172 Resp: 38913  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 29.7 44.5  
 170 18.2 18.4 27.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG017269.D

Acq: 23 May 2015 6:47

Instrument :

BNA\_G

ClientSampleId :

SS043MW014-150512

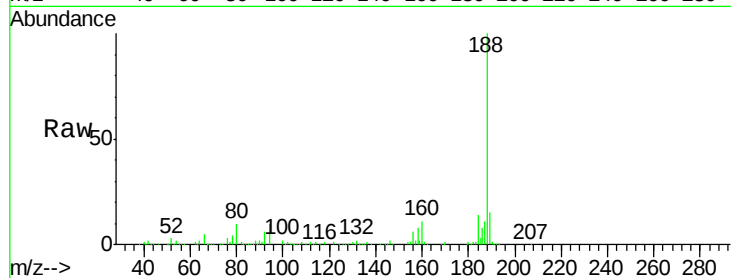
Tgt Ion:188 Resp: 182262

Ion Ratio Lower Upper

188 100

94 9.8 5.8 8.6#

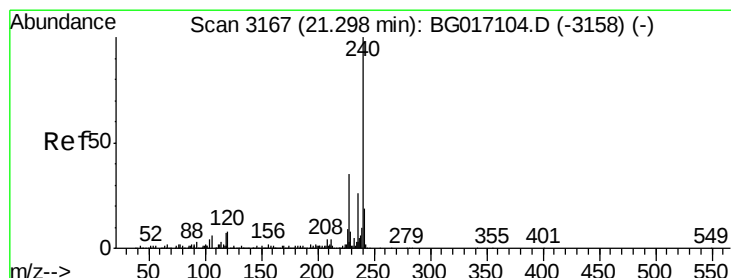
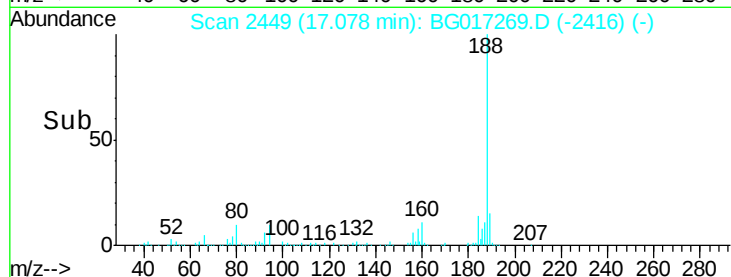
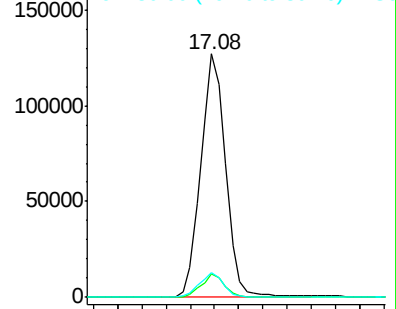
80 10.3 6.5 9.7#



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: 21.27 min Scan# 3162

Delta R.T. 0.00 min

Lab File: BG017269.D

Acq: 23 May 2015 6:47

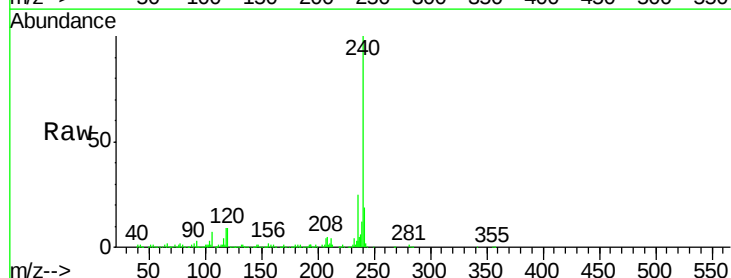
Tgt Ion:240 Resp: 200555

Ion Ratio Lower Upper

240 100

120 9.4 6.0 9.0#

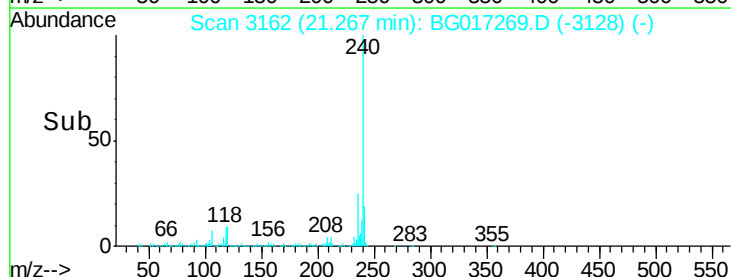
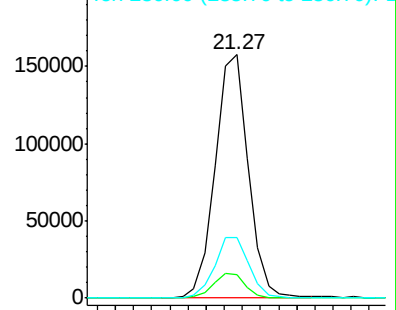
236 24.8 20.5 30.7



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: 9.99 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG017269.D

Acq: 23 May 2015 6:47

Instrument :

BNA\_G

ClientSampleId :

SS043MW014-150512

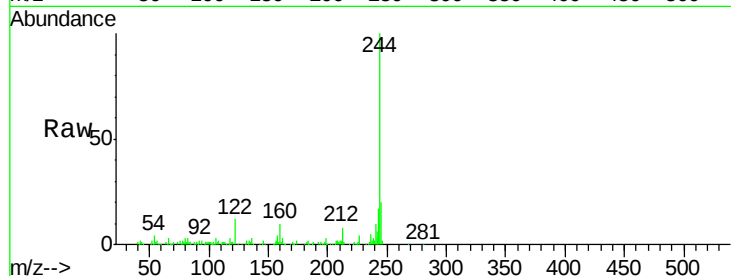
Tgt Ion:244 Resp: 96119

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

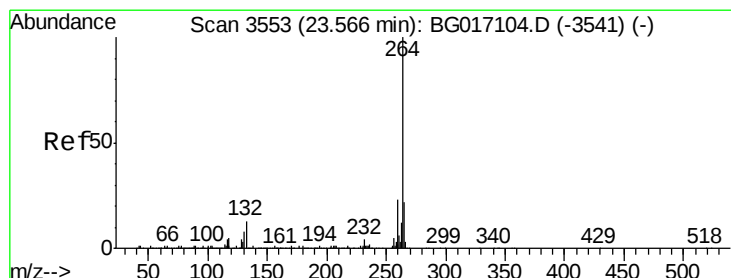
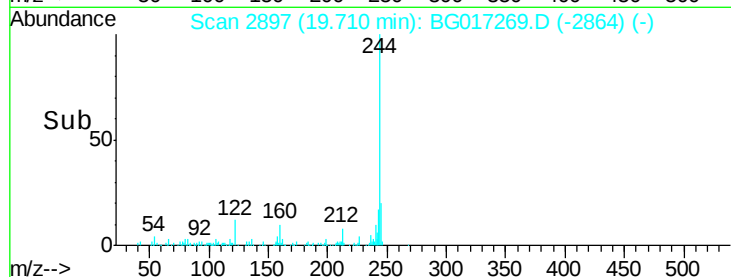
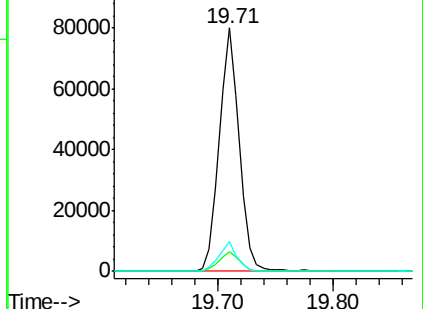
122 12.2 8.4 12.6



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: 20.00 ng

RT: 23.52 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BG017269.D

Acq: 23 May 2015 6:47

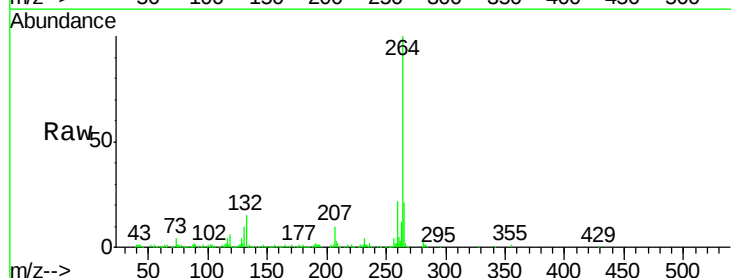
Tgt Ion:264 Resp: 194594

Ion Ratio Lower Upper

264 100

260 21.7 18.0 27.0

265 21.1 17.4 26.0



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

