

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071915\  
 Data File : BG017975.D  
 Acq On : 20 Jul 2015 1:51  
 Operator : TP/UM  
 Sample : G2973-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP

Quant Time: Jul 20 03:48:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

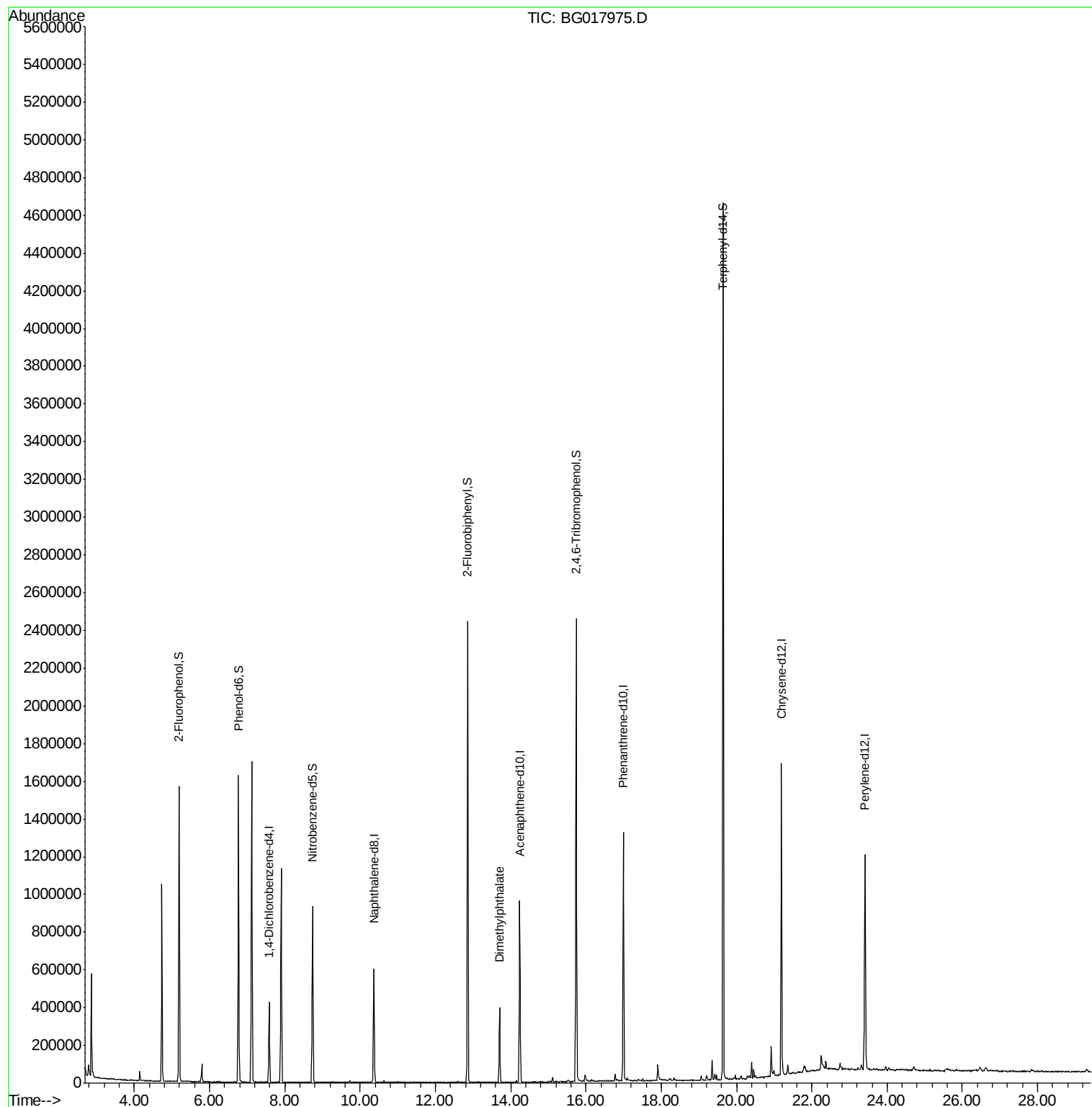
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 113707   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.36 | 136  | 514410   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.24 | 164  | 332740   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.00 | 188  | 762959   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 21.20 | 240  | 780309   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 23.41 | 264  | 769728   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.19  | 112  | 691712   | 106.12    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.77  | 99   | 953334   | 111.64    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.74  | 82   | 544885   | 68.61     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 15.74 | 330  | 419141   | 124.33    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 12.86 | 172  | 1217830  | 63.43     | ng    | 0.00     |
| 78) Terphenyl-d14              | 19.64 | 244  | 1879919  | 60.69     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 32) Benzoic acid               | 9.68  | 122  | 593      | Below Cal | #     | 71       |
| 49) Dimethylphthalate          | 13.71 | 163  | 261360   | 11.31     | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 63       | Below Cal | #     | 31       |
| 69) Pentachlorophenol          | 16.56 | 266  | 81       | Below Cal | #     | 18       |

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071915\  
Data File : BG017975.D  
Acq On : 20 Jul 2015 1:51  
Operator : TP/UM  
Sample : G2973-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DUP

Quant Time: Jul 20 03:48:22 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 18 01:50:30 2015  
Response via : Initial Calibration



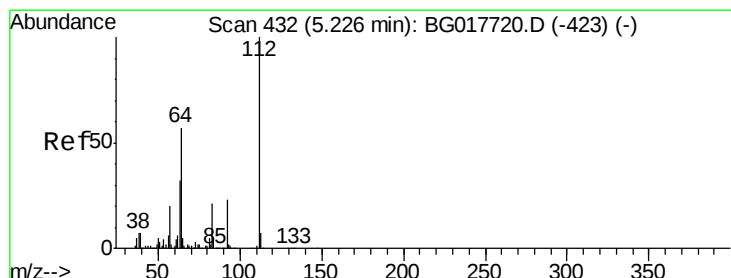
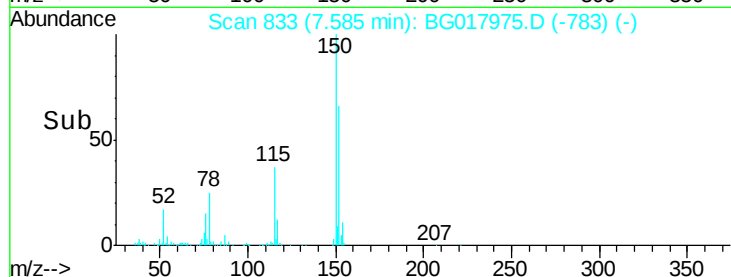
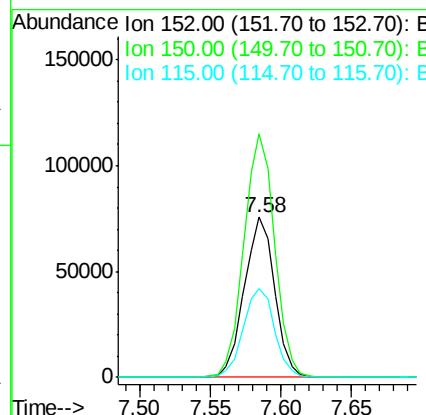
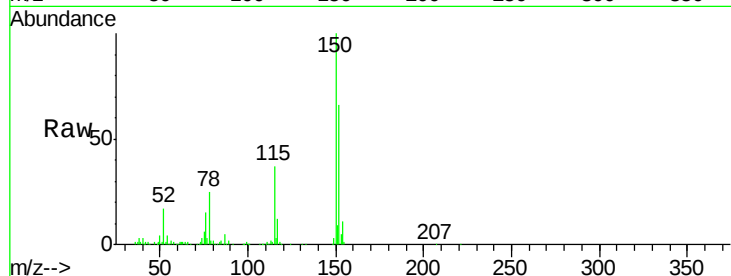


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.58 min Scan# 833  
Delta R.T. -0.00 min  
Lab File: BG017975.D  
Acq: 20 Jul 2015 1:51

Instrument :  
BNA\_G  
ClientSampleId :  
DUP

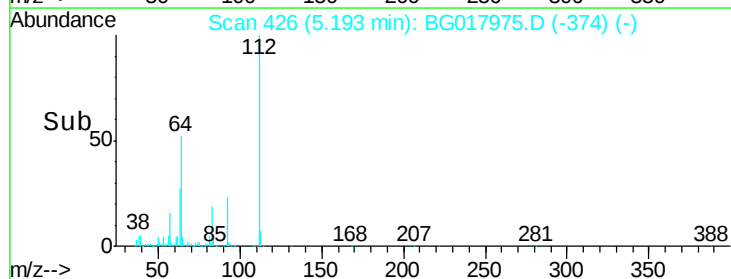
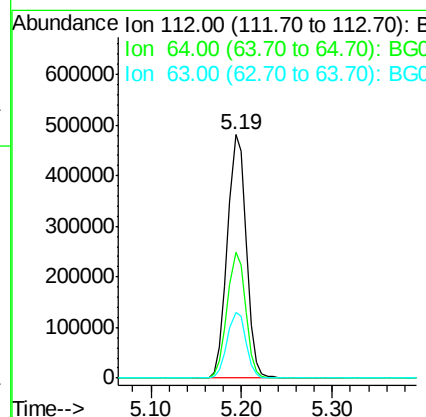
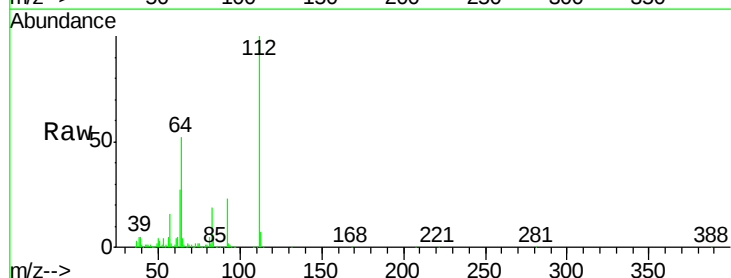
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.3 | 119.1 | 178.7 |
| 115     | 55.7  | 47.0  | 70.4  |

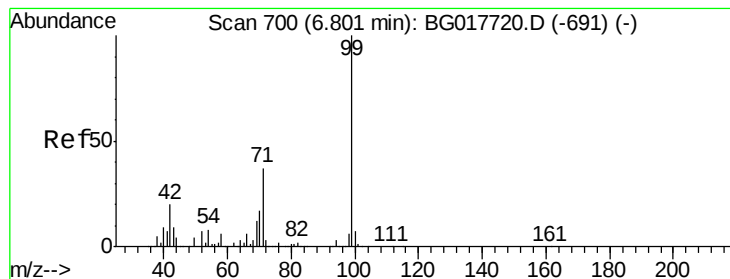


#5

2-Fluorophenol  
Concen: 106.12 ng  
RT: 5.19 min Scan# 426  
Delta R.T. 0.00 min  
Lab File: BG017975.D  
Acq: 20 Jul 2015 1:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.9  | 45.4  | 68.0  |
| 63      | 26.9  | 25.3  | 37.9  |





#7

Phenol-d6

Concen: 111.64 ng

RT: 6.77 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

Instrument :

BNA\_G

ClientSampleId :

DUP

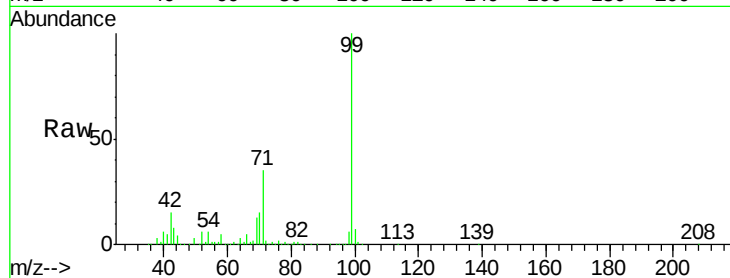
Tgt Ion: 99 Resp: 953334

Ion Ratio Lower Upper

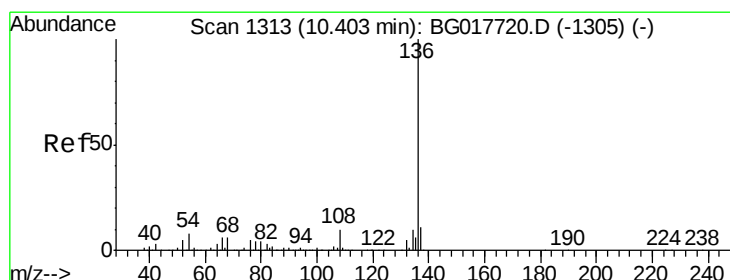
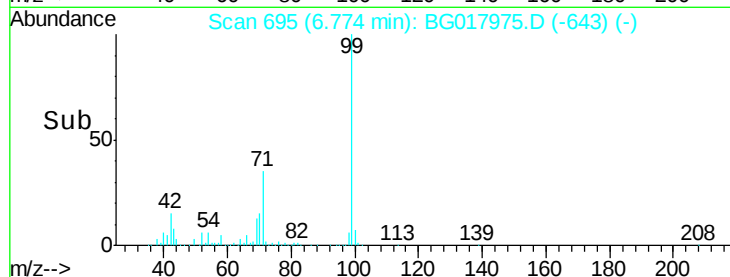
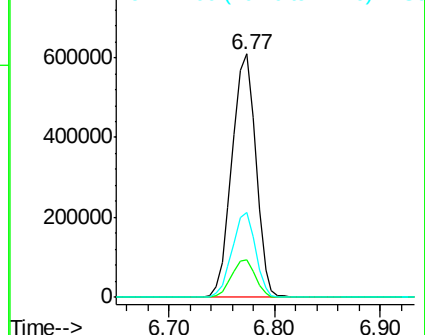
99 100

42 15.3 16.2 24.4#

71 34.6 29.5 44.3



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: 10.36 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

Tgt Ion: 136 Resp: 514410

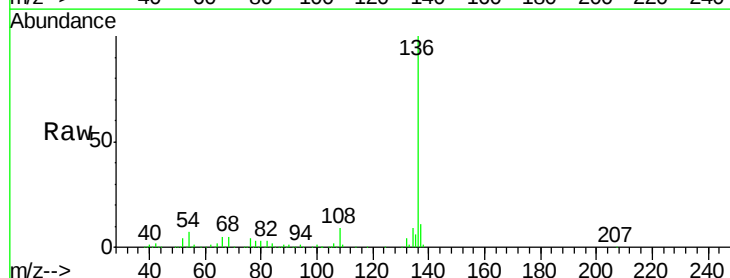
Ion Ratio Lower Upper

136 100

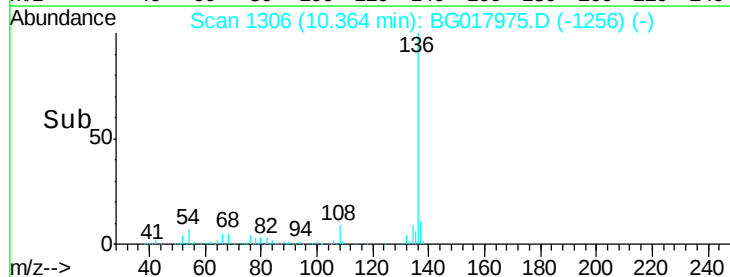
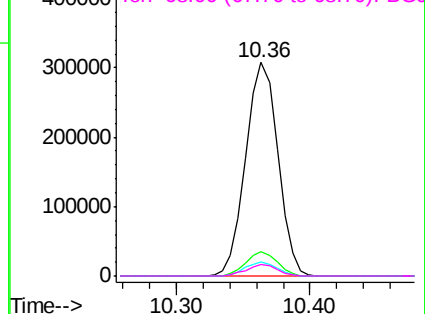
137 11.4 8.8 13.2

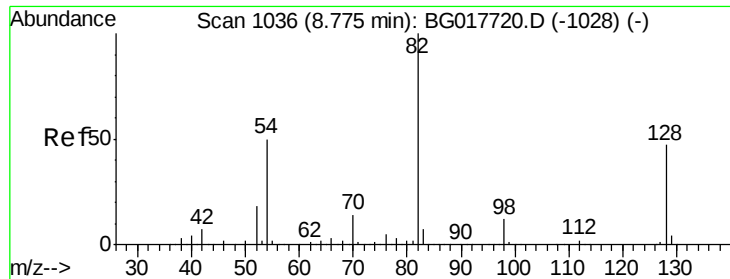
54 6.7 6.6 9.8

68 5.2 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

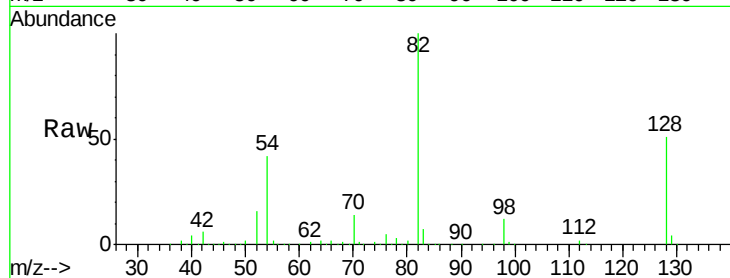




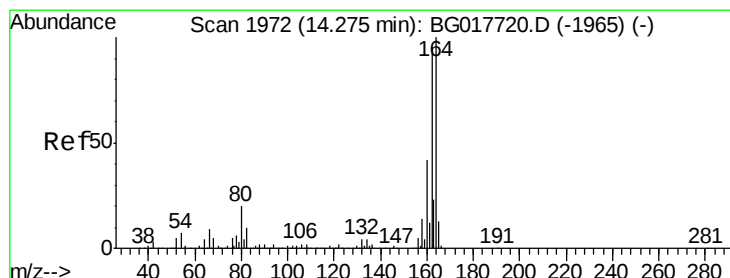
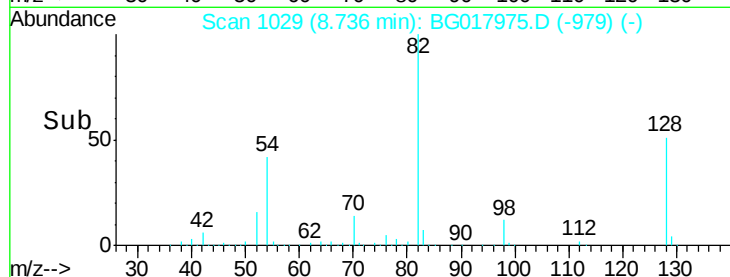
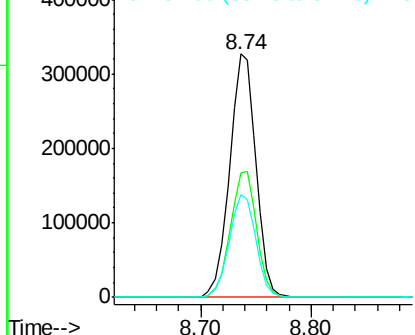
#23  
 Nitrobenzene-d5  
 Concen: 68.61 ng  
 RT: 8.74 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: BG017975.D  
 Acq: 20 Jul 2015 1:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP

Tgt Ion: 82 Resp: 544885  
 Ion Ratio Lower Upper  
 82 100  
 128 51.4 37.8 56.6  
 54 42.3 39.9 59.9

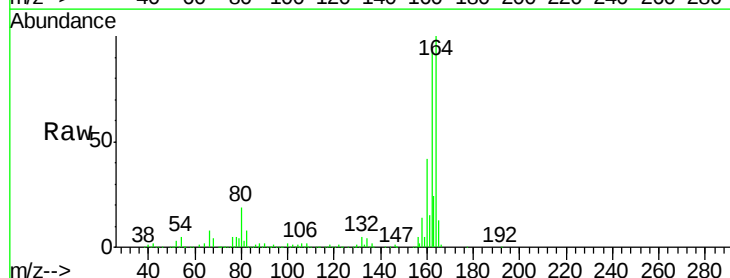


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

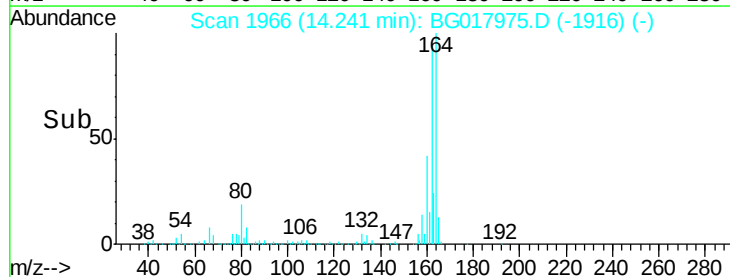
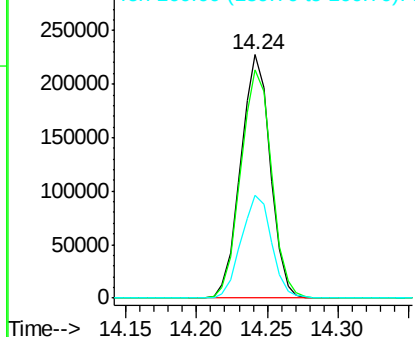


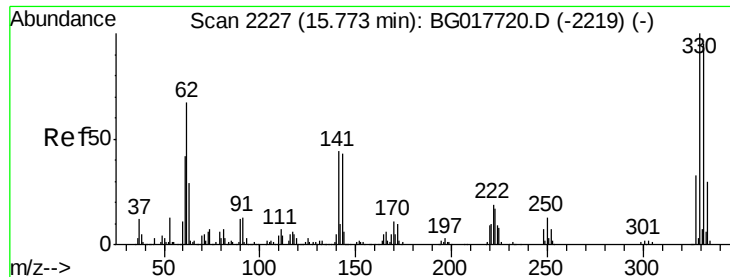
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.24 min Scan# 1966  
 Delta R.T. -0.00 min  
 Lab File: BG017975.D  
 Acq: 20 Jul 2015 1:51

Tgt Ion: 164 Resp: 332740  
 Ion Ratio Lower Upper  
 164 100  
 162 93.7 76.3 114.5  
 160 42.4 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

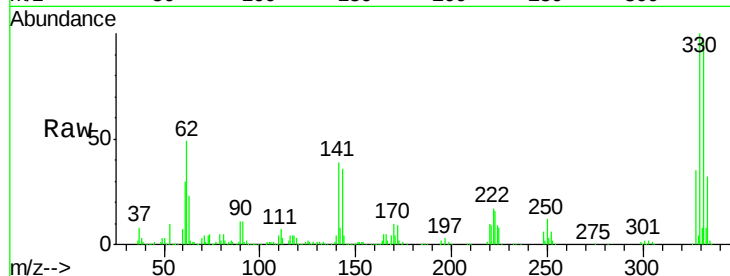




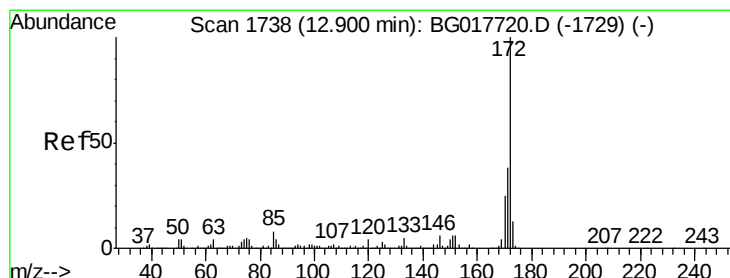
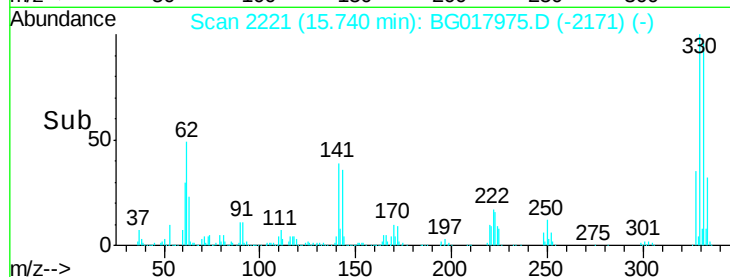
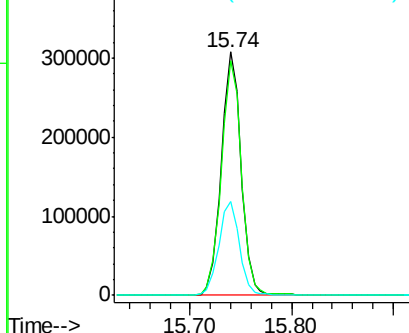
#41  
 2,4,6-Tribromophenol  
 Concen: 124.33 ng  
 RT: 15.74 min Scan# 2221  
 Delta R.T. -0.00 min  
 Lab File: BG017975.D  
 Acq: 20 Jul 2015 1:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP

Tgt Ion:330 Resp: 419141  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 76.8 115.2  
 141 40.1 38.0 57.0

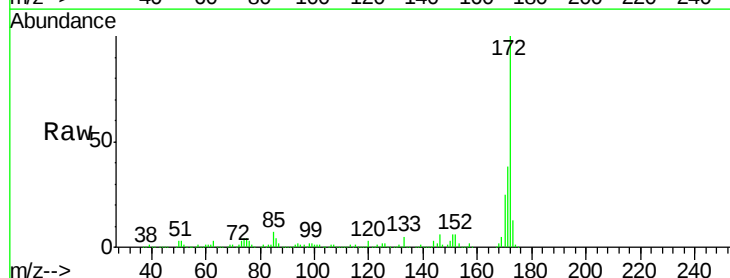


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

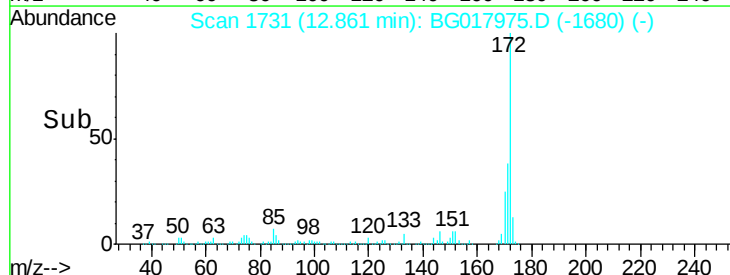
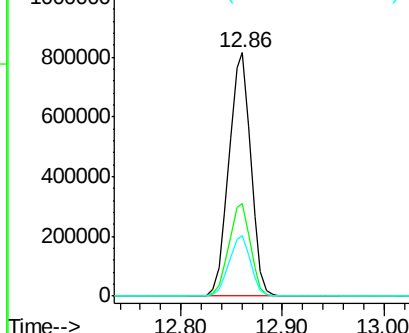


#44  
 2-Fluorobiphenyl  
 Concen: 63.43 ng  
 RT: 12.86 min Scan# 1731  
 Delta R.T. 0.00 min  
 Lab File: BG017975.D  
 Acq: 20 Jul 2015 1:51

Tgt Ion:172 Resp: 1217830  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 30.7 46.1  
 170 24.7 19.7 29.5



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





#49

Dimethylphthalate

Concen: 11.31 ng

RT: 13.71 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

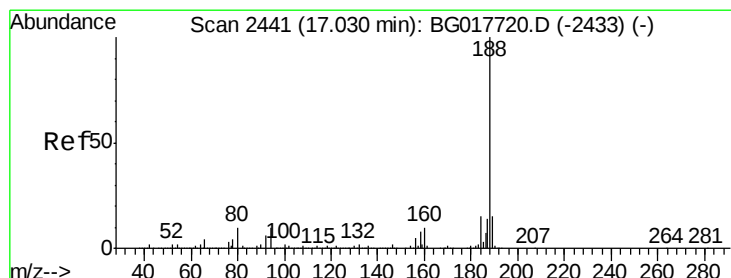
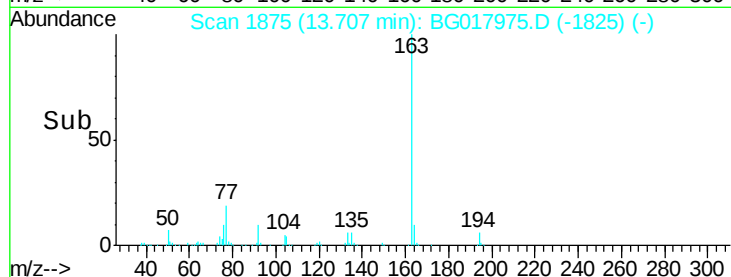
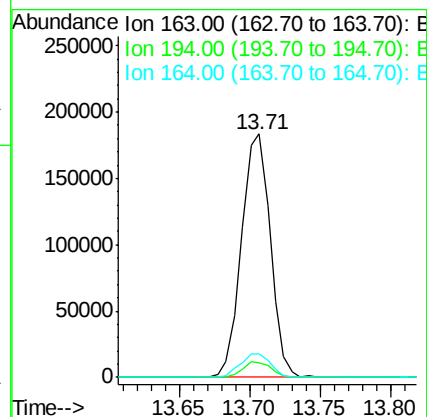
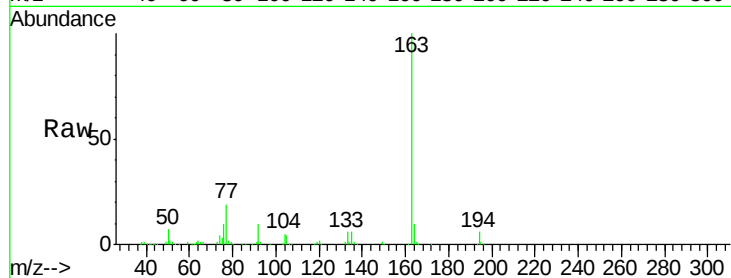
Instrument :

BNA\_G

ClientSampleId :

DUP

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 261360 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 6.0   | 5.8   | 8.6    |
| 164      | 9.7   | 8.3   | 12.5   |



#63

Phenanthrene-d10

Concen: 20.00 ng

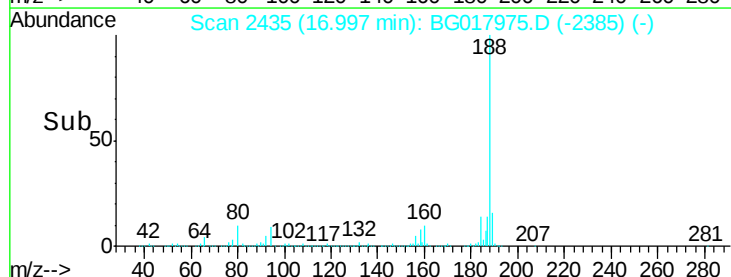
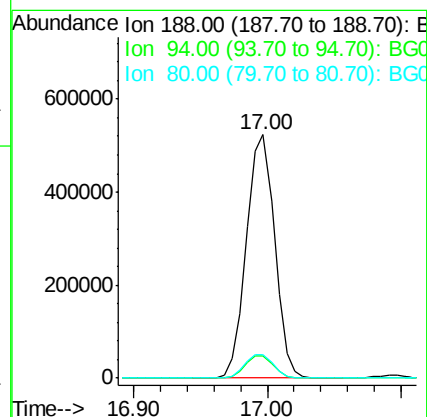
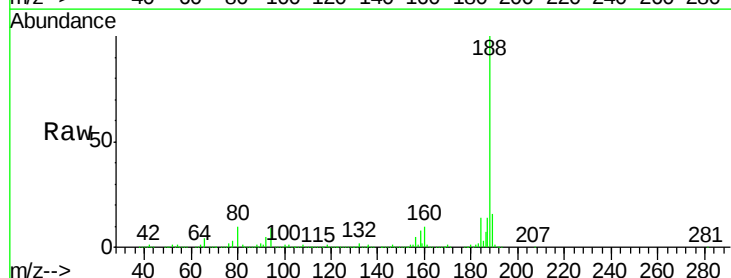
RT: 17.00 min Scan# 2435

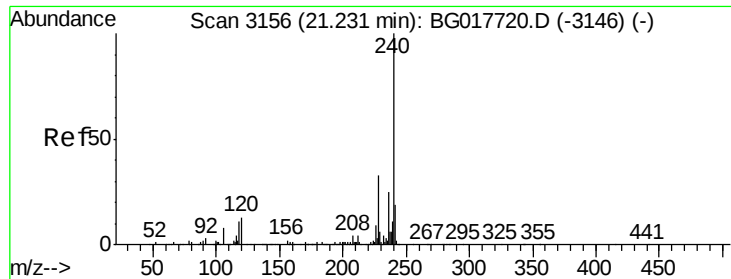
Delta R.T. -0.00 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 762959 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.1   | 8.2   | 12.2   |
| 80       | 9.6   | 8.2   | 12.4   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

Instrument :

BNA\_G

ClientSampleId :

DUP

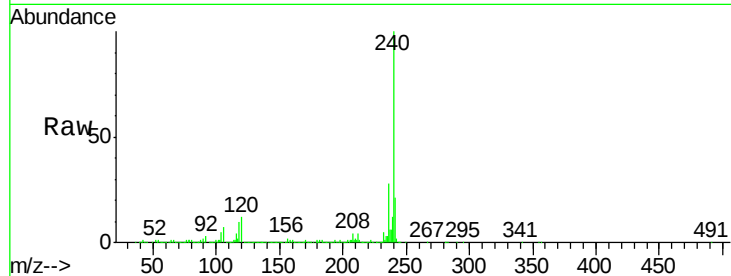
Tgt Ion:240 Resp: 780309

Ion Ratio Lower Upper

240 100

120 12.5 10.8 16.2

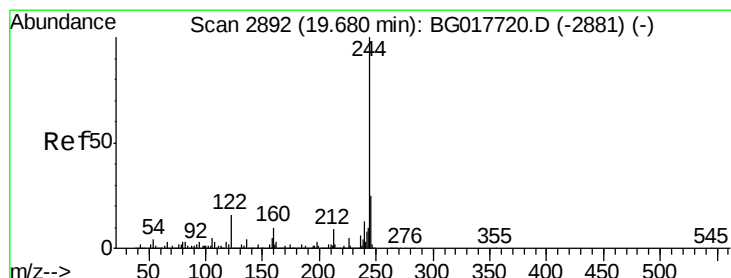
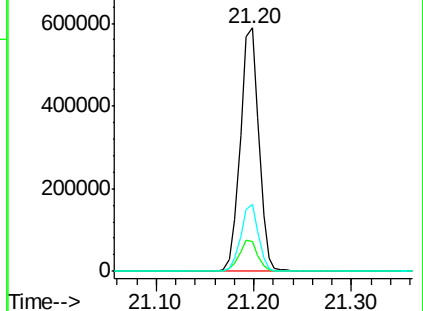
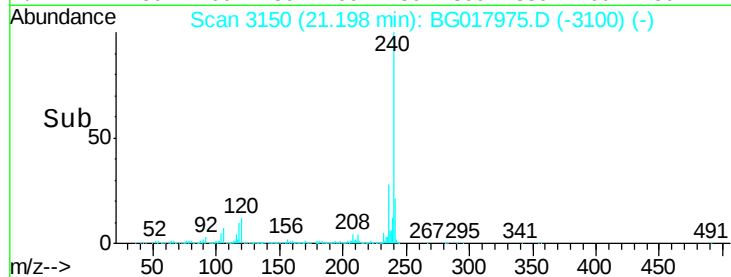
236 27.5 20.0 30.0



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: 60.69 ng

RT: 19.64 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

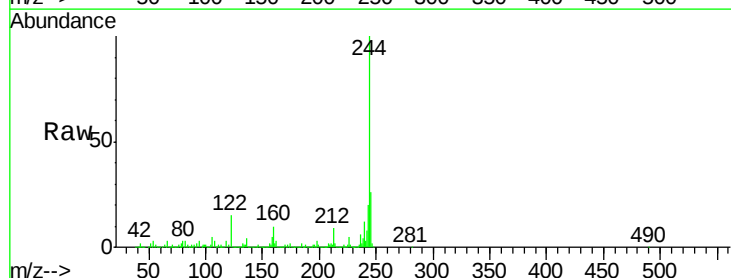
Tgt Ion:244 Resp: 1879919

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

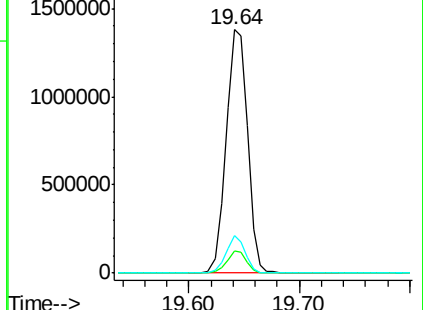
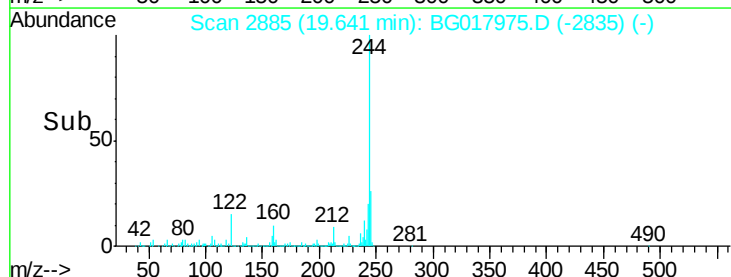
122 15.5 12.8 19.2

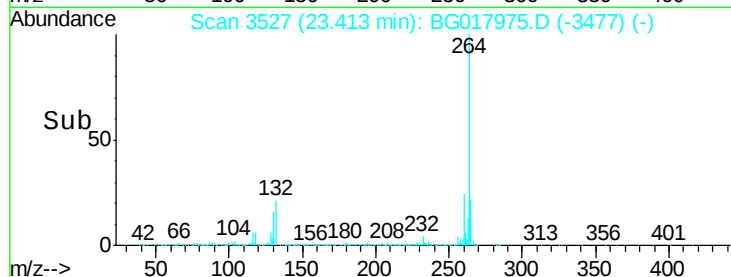
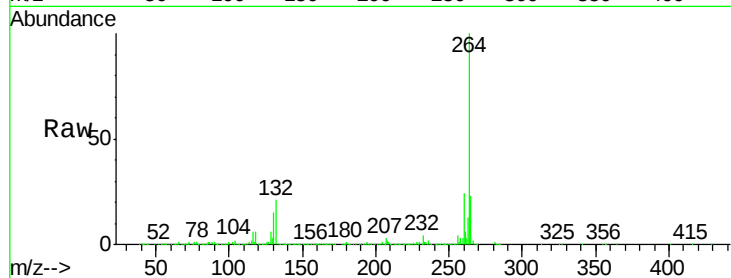
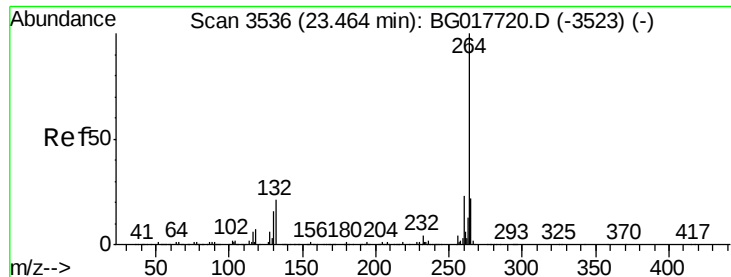


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.41 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG017975.D

Acq: 20 Jul 2015 1:51

Instrument :

BNA\_G

ClientSampleId :

DUP

Tgt Ion: 264 Resp: 769728

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

265 22.6 18.2 27.2

