

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072015\  
 Data File : BG017994.D  
 Acq On : 20 Jul 2015 18:15  
 Operator : TP/UM  
 Sample : G2975-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AB-SLOPE-FAIL-3(0-2)

Quant Time: Jul 20 19:04:25 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

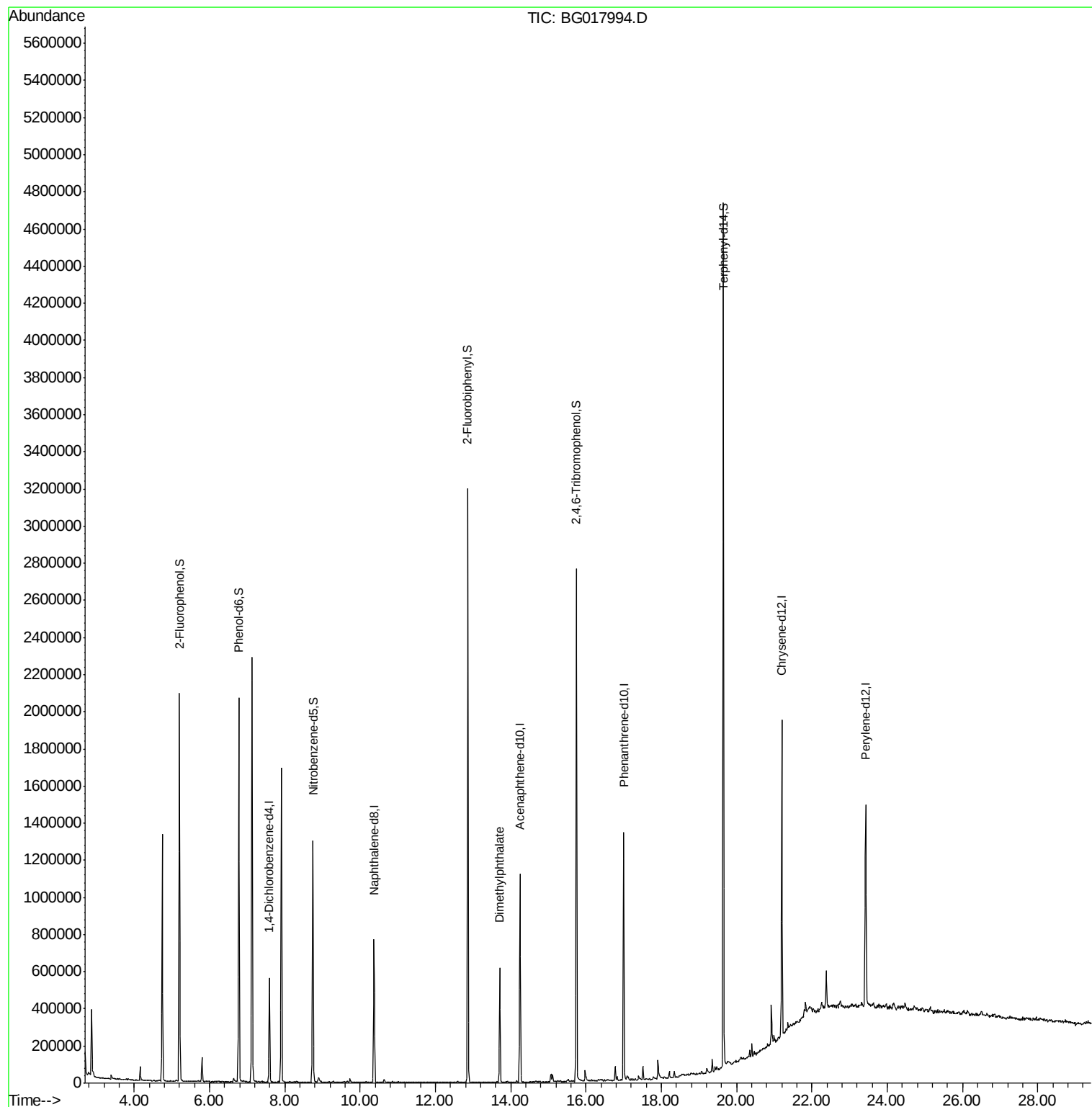
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.59  | 152  | 157256   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.37 | 136  | 663873   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.25 | 164  | 391645   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.00 | 188  | 765764   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 21.20 | 240  | 791367   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 23.43 | 264  | 810901   | 20.00     | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 955551   | 106.00    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.78  | 99   | 1244327  | 105.36    | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 8.75  | 82   | 742203   | 72.41     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 15.74 | 330  | 513956   | 129.53    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 12.86 | 172  | 1656542  | 73.30     | ng    | 0.00     |
| 78) Terphenyl-d14              | 19.65 | 244  | 1984748  | 63.18     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 32) Benzoic acid               | 9.71  | 122  | 270      | Below Cal | #     | 79       |
| 49) Dimethylphthalate          | 13.71 | 163  | 411660   | 15.13     | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.58 | 198  | 57       | Below Cal | #     | 19       |
| 69) Pentachlorophenol          | 16.44 | 266  | 57       | Below Cal | #     | 18       |

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

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AB-SLOPE-FAIL-3(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 18 01:50:30 2015  
Response via : Initial Calibration



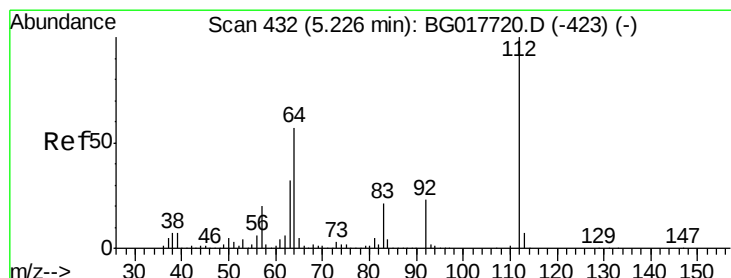
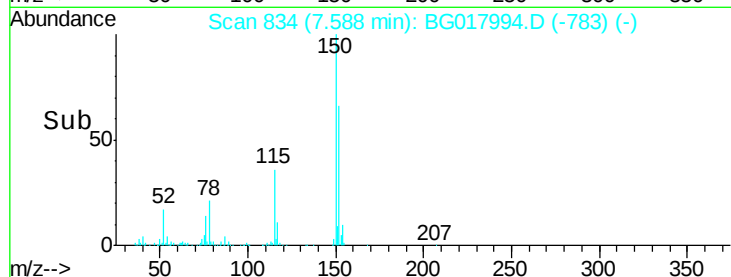
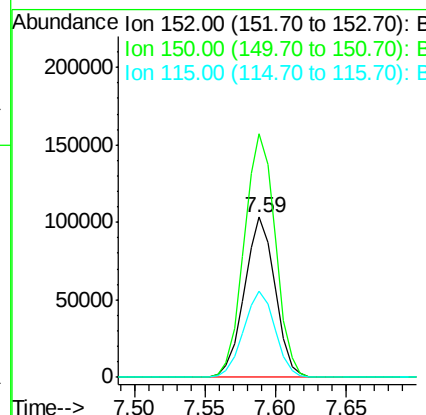
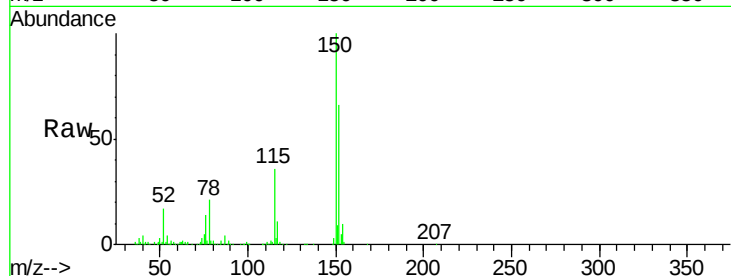


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.59 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BG017994.D  
Acq: 20 Jul 2015 18:15

Instrument :  
BNA\_G  
ClientSampleId :  
AB-SLOPE-FAIL-3(0-2)

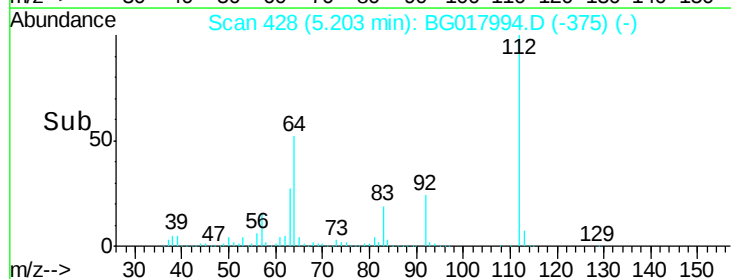
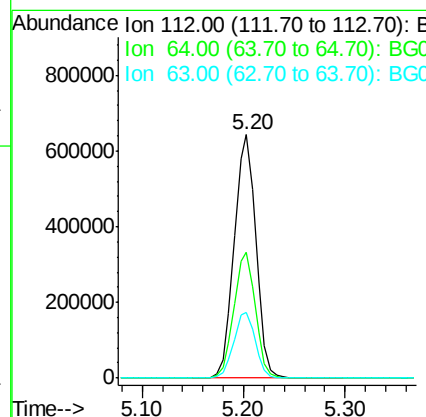
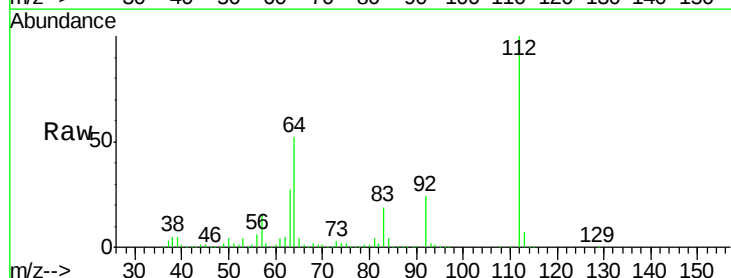
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.3 | 119.1 | 178.7 |
| 115     | 54.2  | 47.0  | 70.4  |

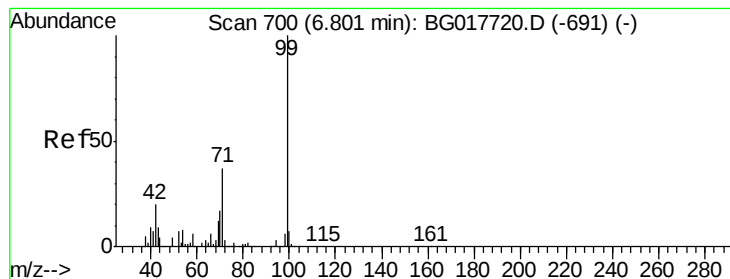


#5

2-Fluorophenol  
Concen: 106.00 ng  
RT: 5.20 min Scan# 428  
Delta R.T. 0.01 min  
Lab File: BG017994.D  
Acq: 20 Jul 2015 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.6  | 45.4  | 68.0  |
| 63      | 27.0  | 25.3  | 37.9  |





#7

Phenol-d6

Concen: 105.36 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG017994.D

Acq: 20 Jul 2015 18:15

Instrument :

BNA\_G

ClientSampleId :

AB-SLOPE-FAIL-3(0-2)

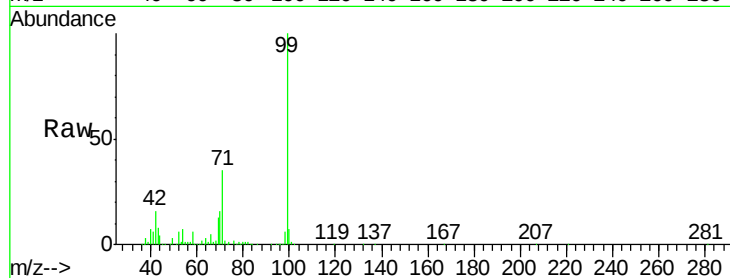
Tgt Ion: 99 Resp: 1244327

Ion Ratio Lower Upper

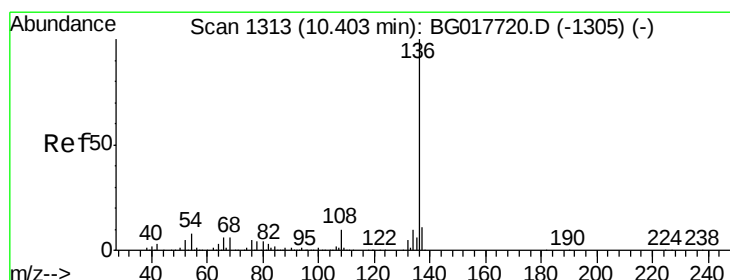
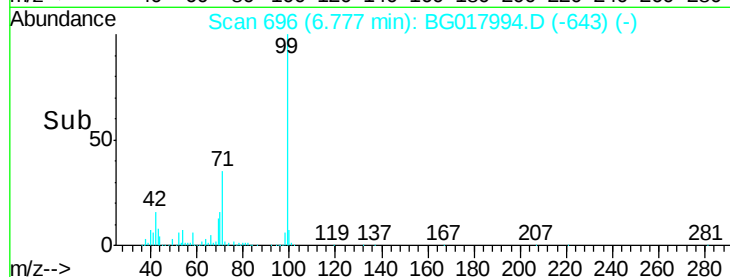
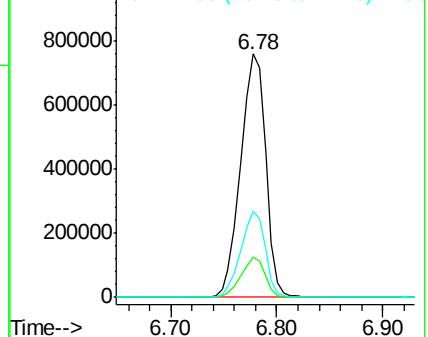
99 100

42 16.3 16.2 24.4

71 35.3 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: 10.37 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG017994.D

Acq: 20 Jul 2015 18:15

Tgt Ion: 136 Resp: 663873

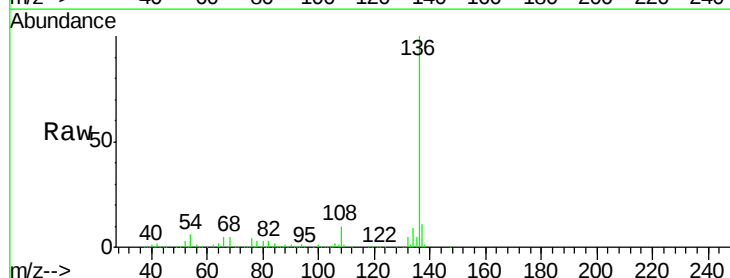
Ion Ratio Lower Upper

136 100

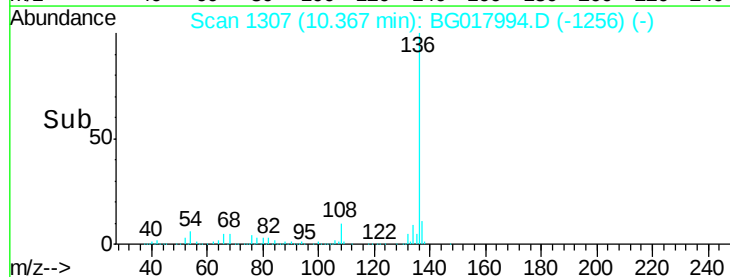
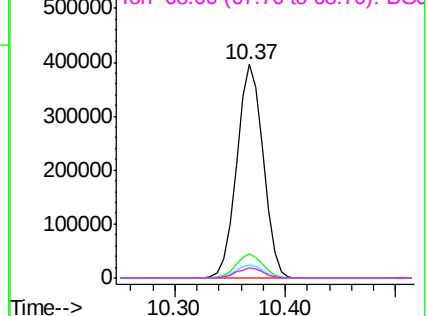
137 11.2 8.8 13.2

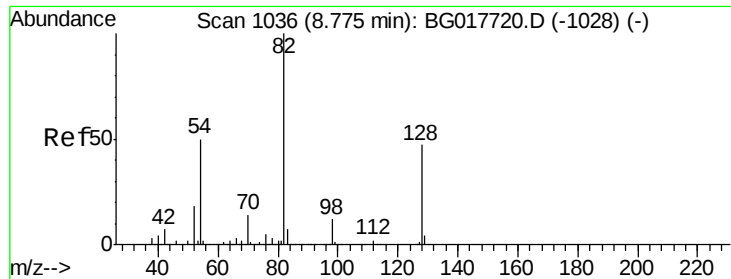
54 5.8 6.6 9.8#

68 4.9 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

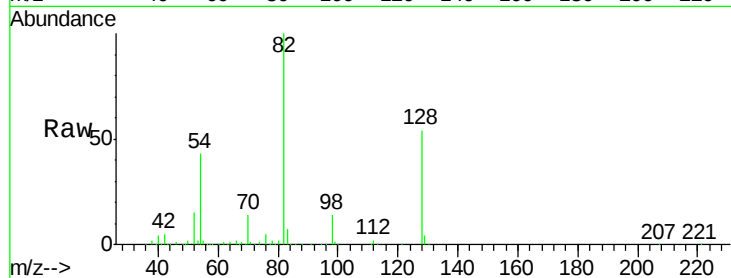




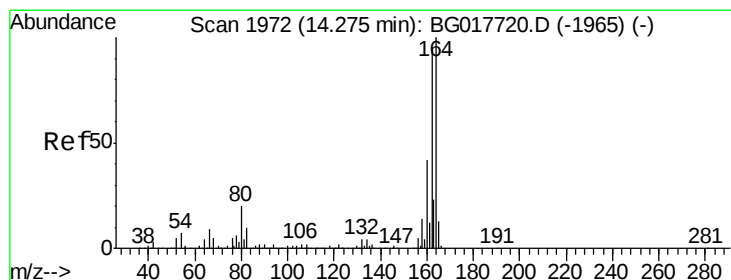
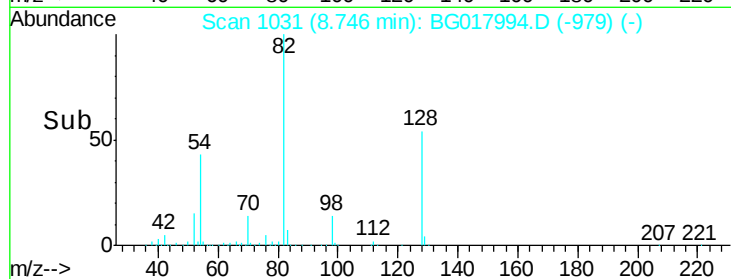
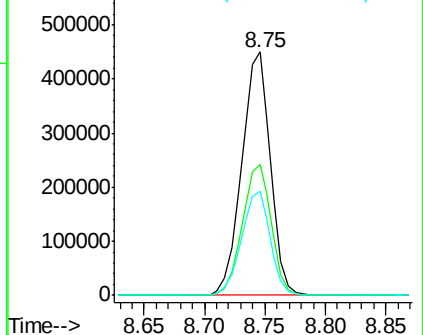
#23  
Nitrobenzene-d5  
Concen: 72.41 ng  
RT: 8.75 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: BG017994.D  
Acq: 20 Jul 2015 18:15

Instrument :  
BNA\_G  
ClientSampleId :  
AB-SLOPE-FAIL-3(0-2)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 53.8  | 37.8  | 56.6  |
| 54      | 42.8  | 39.9  | 59.9  |

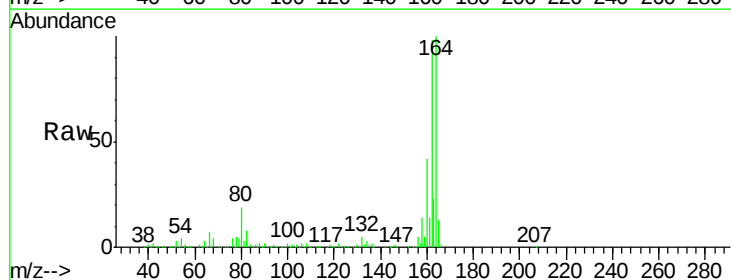


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

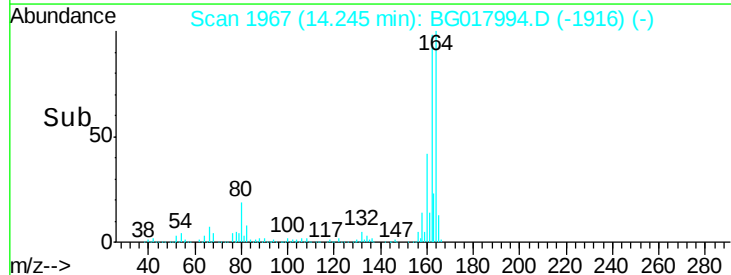
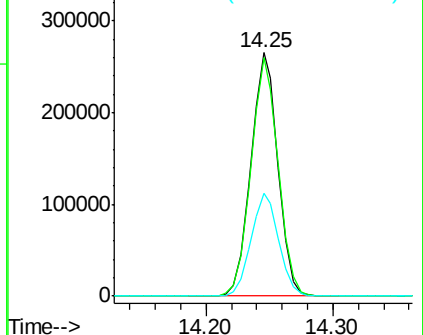


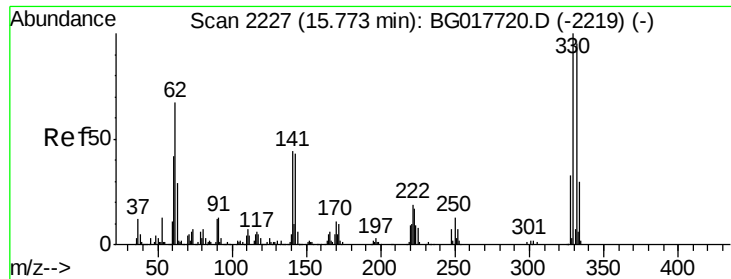
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.25 min Scan# 1967  
Delta R.T. 0.00 min  
Lab File: BG017994.D  
Acq: 20 Jul 2015 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.8  | 76.3  | 114.5 |
| 160     | 42.2  | 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

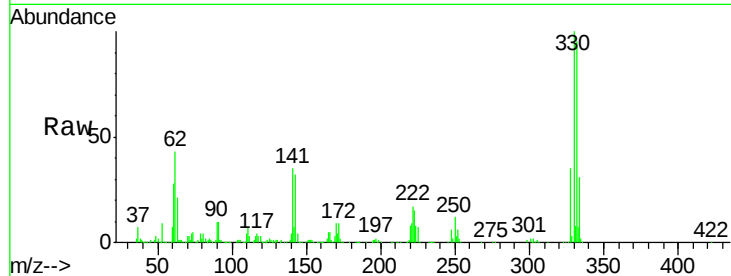




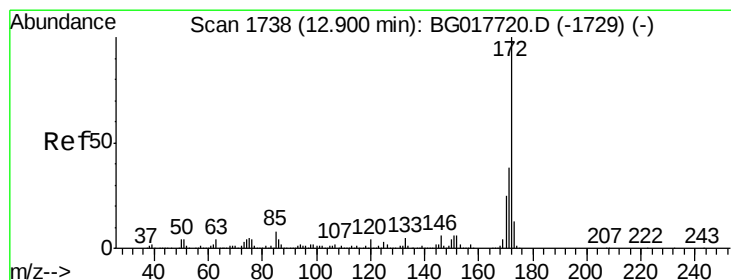
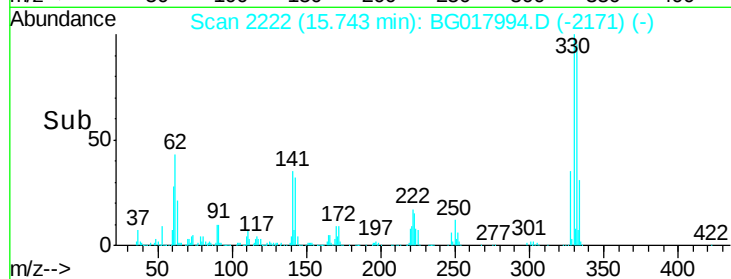
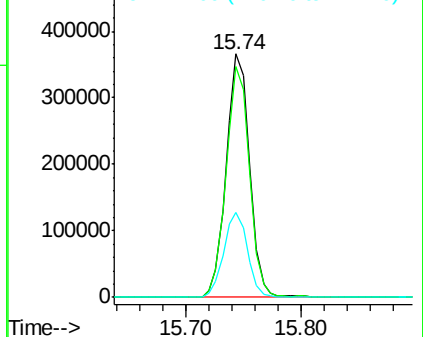
#41  
 2,4,6-Tribromophenol  
 Concen: 129.53 ng  
 RT: 15.74 min Scan# 2222  
 Delta R.T. 0.00 min  
 Lab File: BG017994.D  
 Acq: 20 Jul 2015 18:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AB-SLOPE-FAIL-3(0-2)

Tgt Ion:330 Resp: 513956  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 76.8 115.2  
 141 35.7 38.0 57.0#

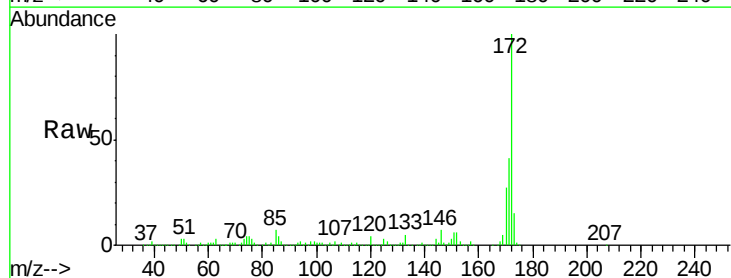


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

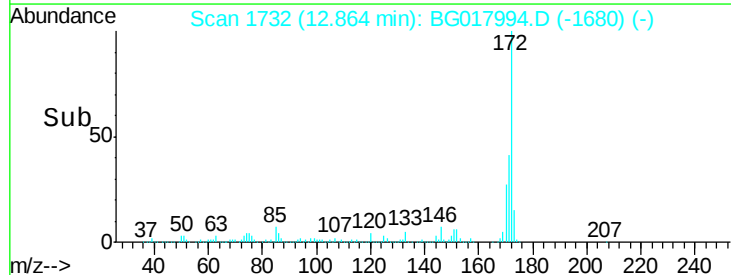
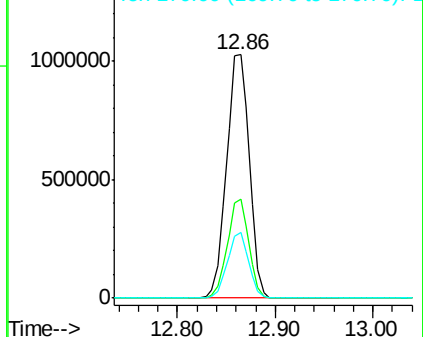


#44  
 2-Fluorobiphenyl  
 Concen: 73.30 ng  
 RT: 12.86 min Scan# 1732  
 Delta R.T. 0.01 min  
 Lab File: BG017994.D  
 Acq: 20 Jul 2015 18:15

Tgt Ion:172 Resp: 1656542  
 Ion Ratio Lower Upper  
 172 100  
 171 40.8 30.7 46.1  
 170 26.8 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: 15.13 ng

RT: 13.71 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BG017994.D

Acq: 20 Jul 2015 18:15

Instrument :

BNA\_G

ClientSampleId :

AB-SLOPE-FAIL-3(0-2)

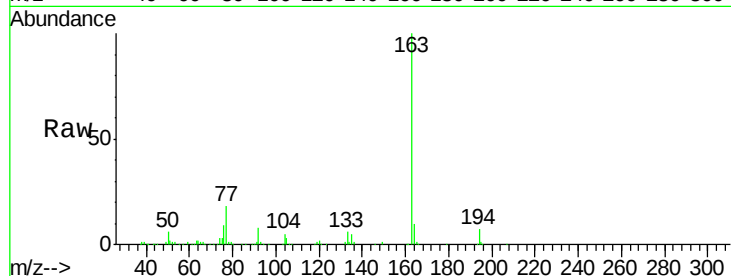
Tgt Ion:163 Resp: 411660

Ion Ratio Lower Upper

163 100

194 6.9 5.8 8.6

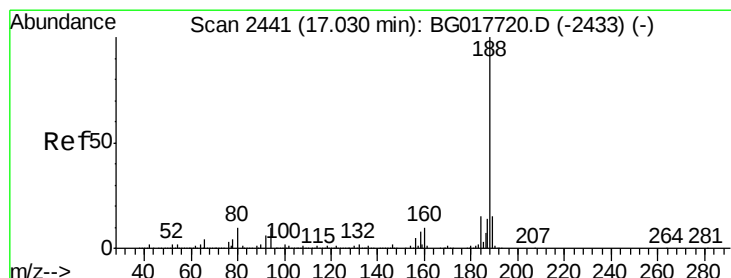
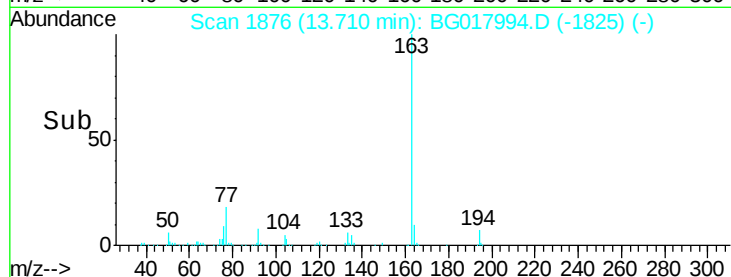
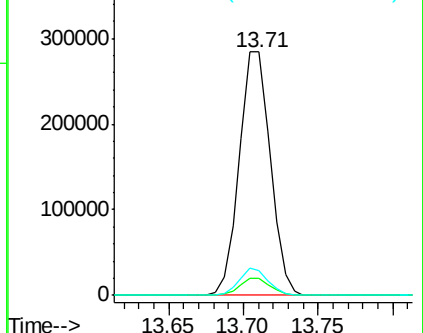
164 10.1 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.00 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BG017994.D

Acq: 20 Jul 2015 18:15

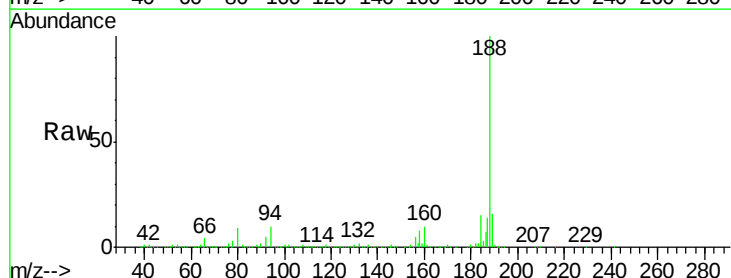
Tgt Ion:188 Resp: 765764

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

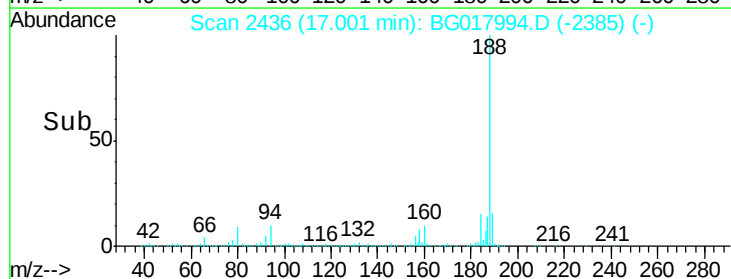
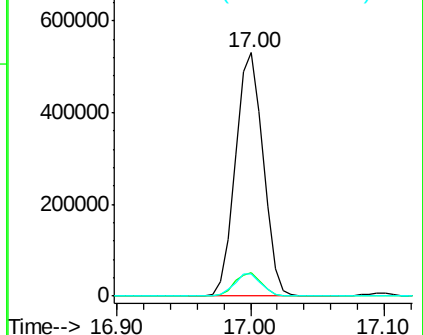
80 9.2 8.2 12.4

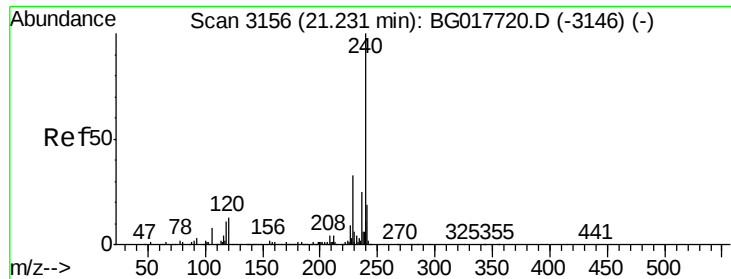


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

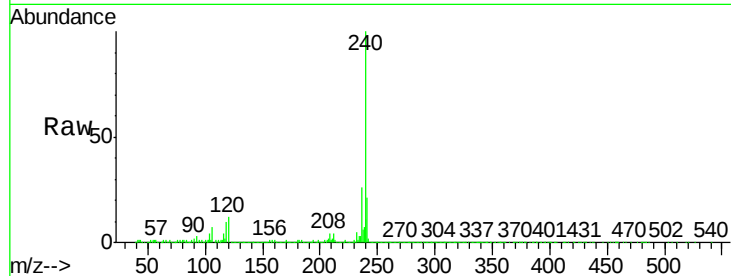




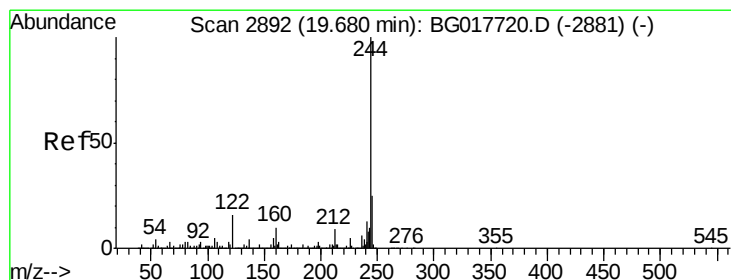
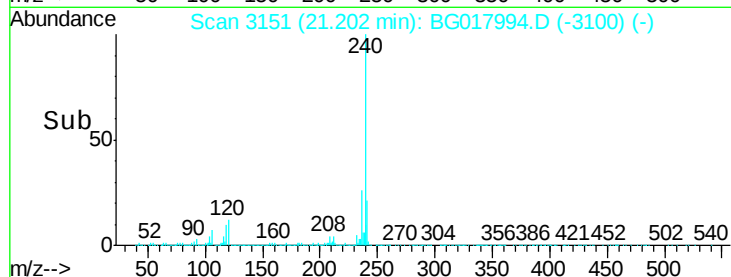
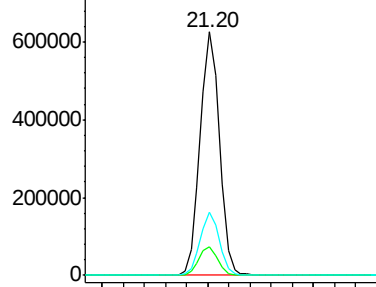
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.20 min Scan# 3151  
Delta R.T. 0.00 min  
Lab File: BG017994.D  
Acq: 20 Jul 2015 18:15

Instrument :  
BNA\_G  
ClientSampleId :  
AB-SLOPE-FAIL-3(0-2)

Tgt Ion:240 Resp: 791367  
Ion Ratio Lower Upper  
240 100  
120 11.7 10.8 16.2  
236 26.0 20.0 30.0

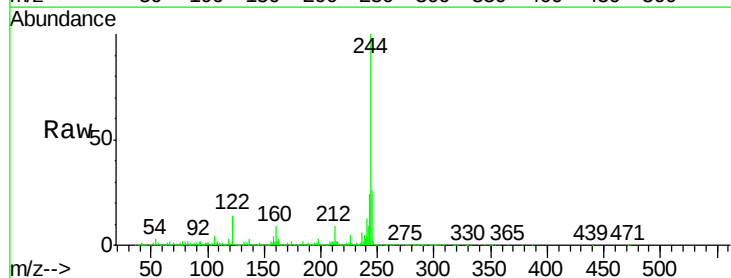


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

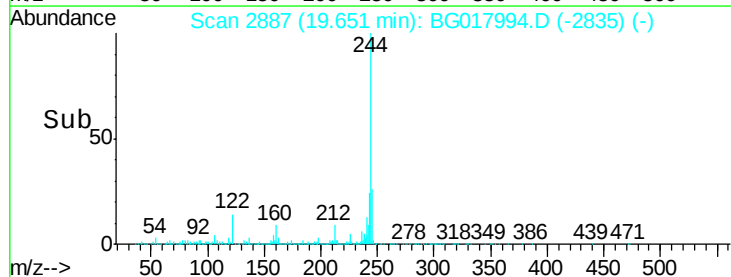
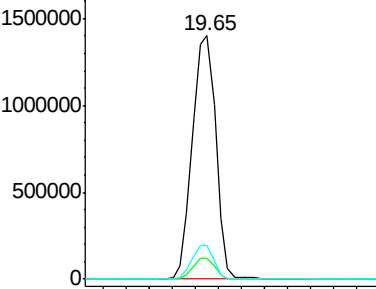


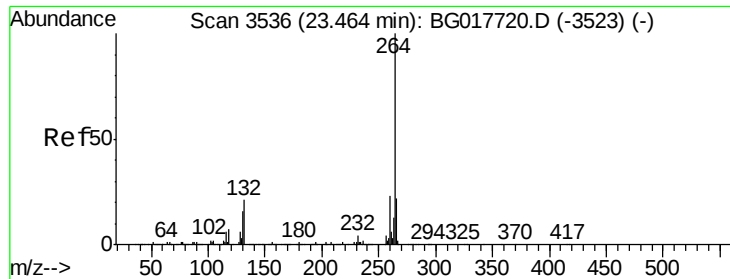
#78  
Terphenyl-d14  
Concen: 63.18 ng  
RT: 19.65 min Scan# 2887  
Delta R.T. 0.01 min  
Lab File: BG017994.D  
Acq: 20 Jul 2015 18:15

Tgt Ion:244 Resp: 1984748  
Ion Ratio Lower Upper  
244 100  
212 8.8 7.2 10.8  
122 13.7 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: 23.43 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG017994.D

Acq: 20 Jul 2015 18:15

Instrument :

BNA\_G

ClientSampleId :

AB-SLOPE-FAIL-3(0-2)

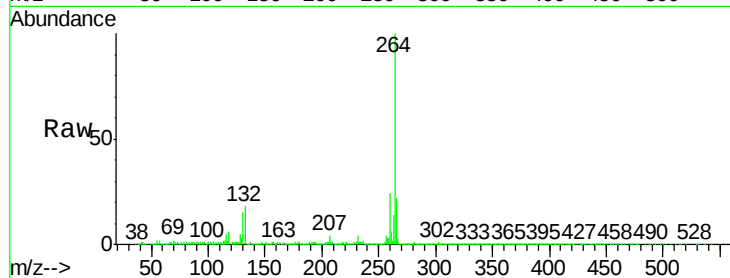
Tgt Ion: 264 Resp: 810901

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.9 18.2 27.2



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

