

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042415\  
 Data File : BG016690.D  
 Acq On : 24 Apr 2015 19:19  
 Operator : TP/IZ  
 Sample : G1950-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PS-21(5-10)

Quant Time: Apr 24 23:15:46 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG042315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 24 22:57:52 2015  
 Response via : Initial Calibration

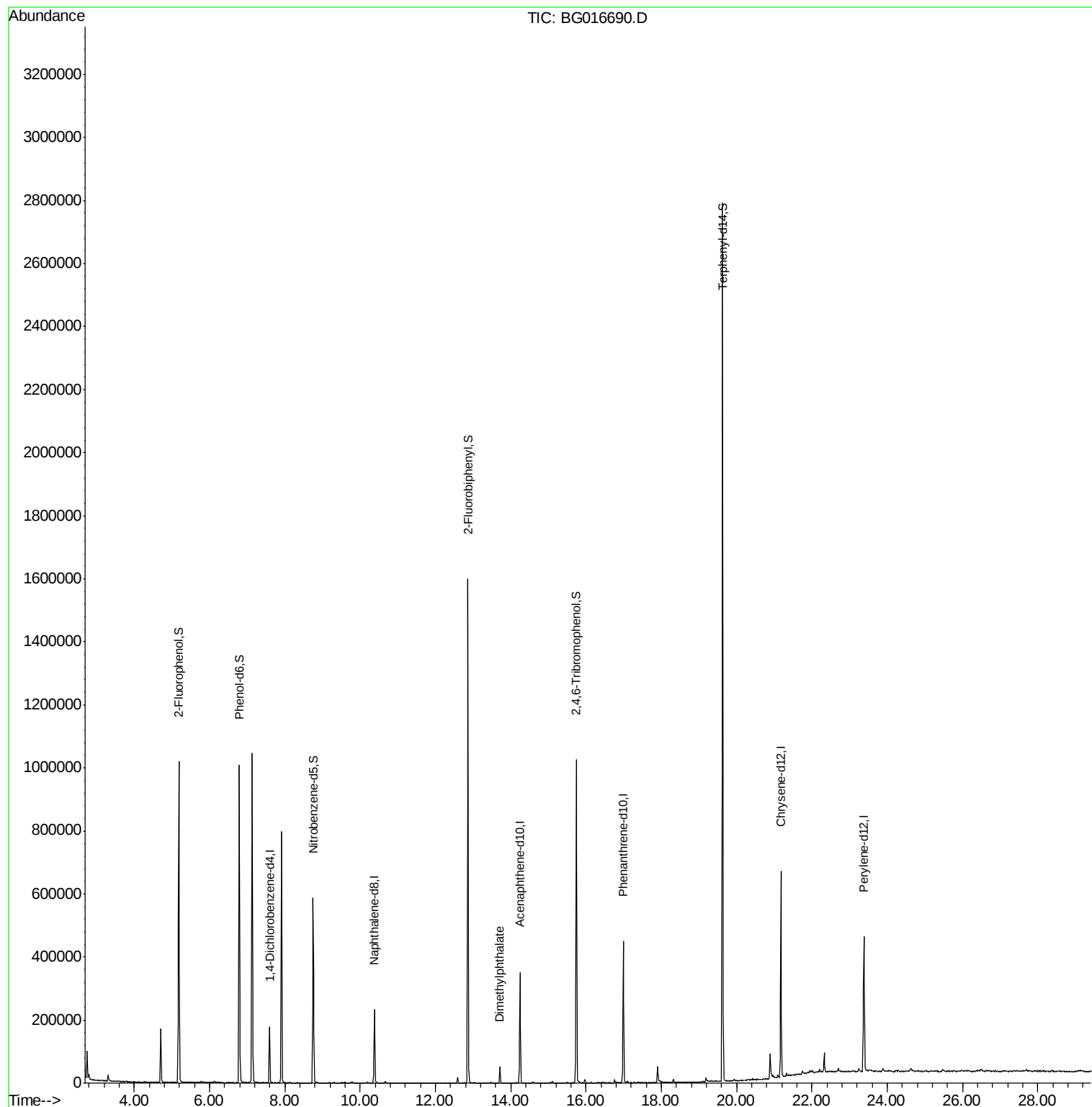
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.59  | 152  | 49776    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.38 | 136  | 205517   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.24 | 164  | 114766   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 16.99 | 188  | 245751   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.18 | 240  | 258579   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 23.38 | 264  | 249839   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.18  | 112  | 481960   | 157.12 | ng    | 0.00         |
| 7) Phenol-d6                | 6.79  | 99   | 671983   | 156.16 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.75  | 82   | 339249   | 104.30 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 15.74 | 330  | 146335   | 171.88 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 12.86 | 172  | 771143   | 107.95 | ng    | 0.00         |
| 78) Terphenyl-d14           | 19.63 | 244  | 1010528  | 90.02  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 13.71 | 163  | 35606    | 4.15   | ng    | Qvalue<br>97 |

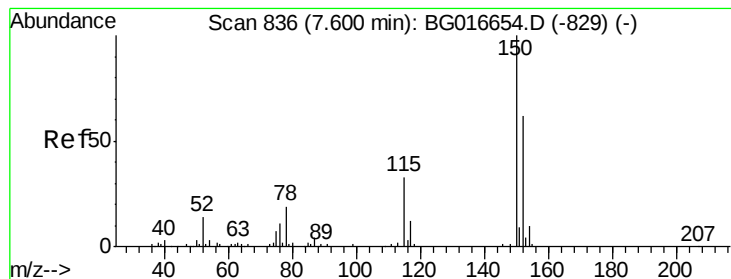
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PS-21(5-10)

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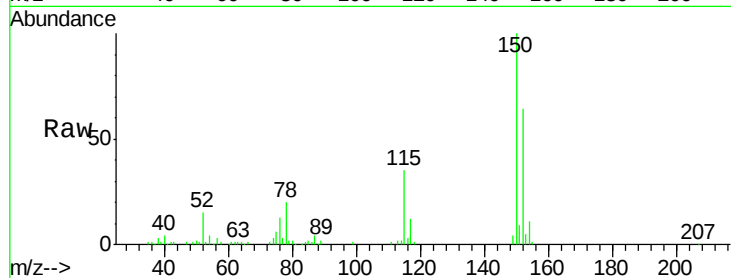


#1

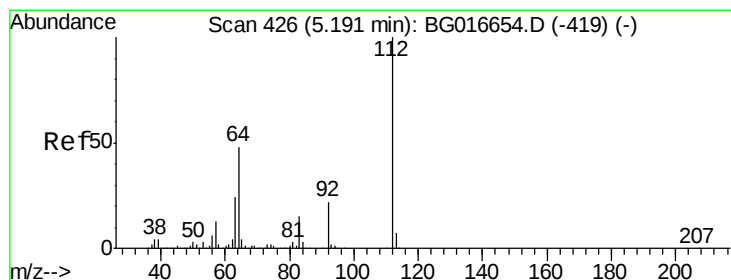
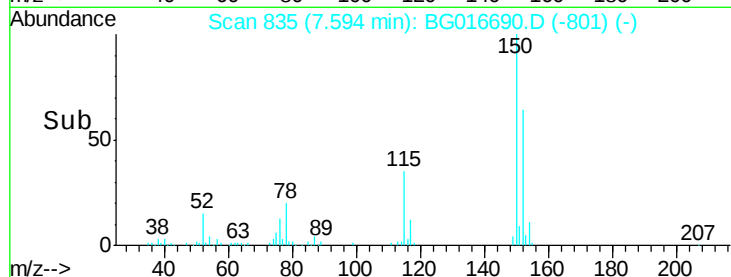
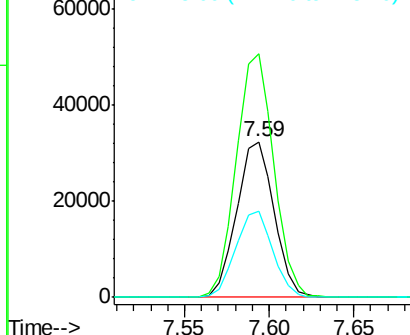
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.59 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BG016690.D  
Acq: 24 Apr 2015 19:19

Instrument :  
BNA\_G  
ClientSampleId :  
PS-21(5-10)

Tgt Ion:152 Resp: 49776  
Ion Ratio Lower Upper  
152 100  
150 156.4 129.6 194.4  
115 55.0 43.0 64.6



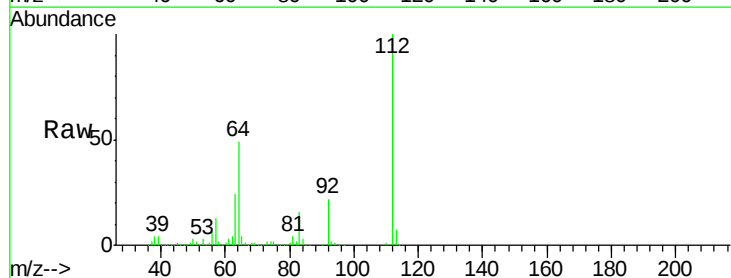
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



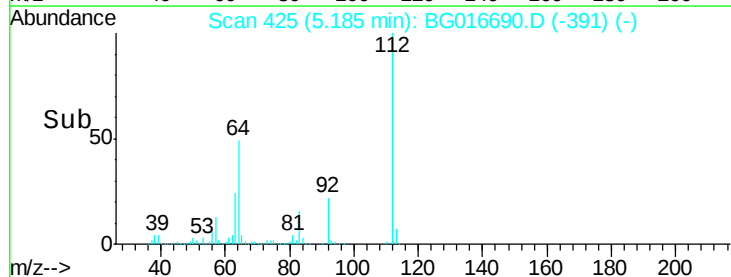
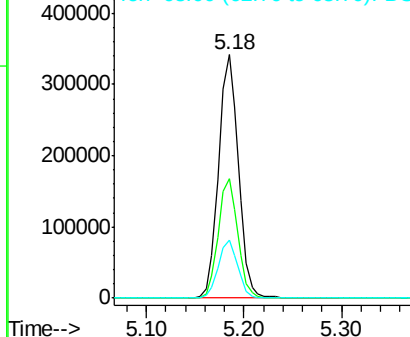
#5

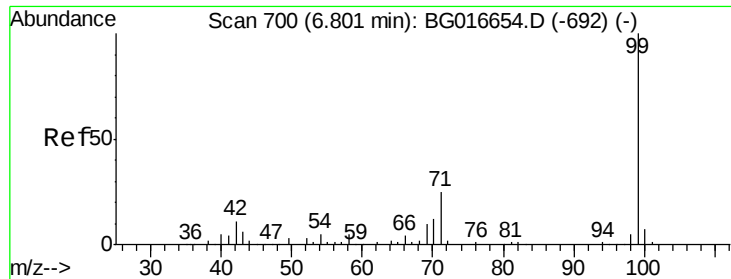
2-Fluorophenol  
Concen: 157.12 ng  
RT: 5.18 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BG016690.D  
Acq: 24 Apr 2015 19:19

Tgt Ion:112 Resp: 481960  
Ion Ratio Lower Upper  
112 100  
64 48.9 38.3 57.5  
63 23.7 18.9 28.3



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: 156.16 ng

RT: 6.79 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG016690.D

Acq: 24 Apr 2015 19:19

Instrument :

BNA\_G

ClientSampleId :

PS-21(5-10)

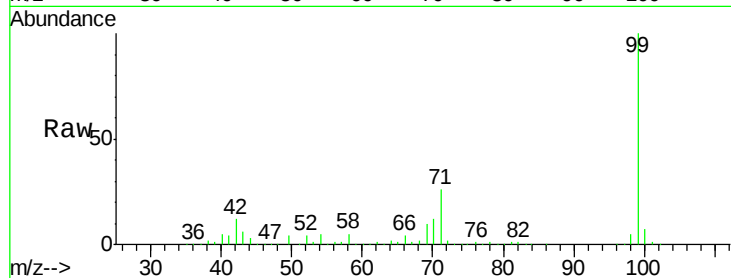
Tgt Ion: 99 Resp: 671983

Ion Ratio Lower Upper

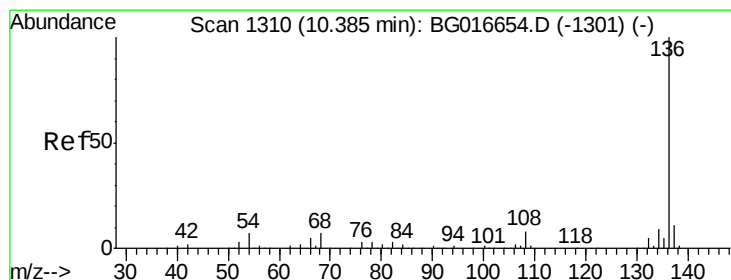
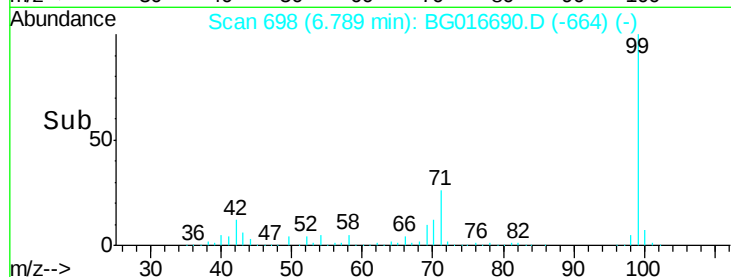
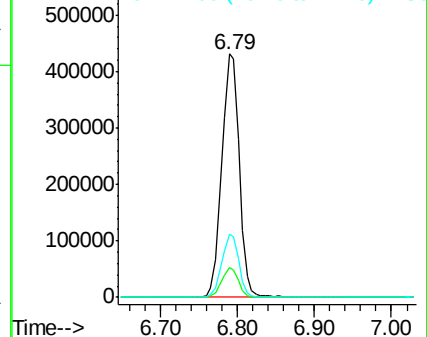
99 100

42 12.2 8.8 13.2

71 26.1 19.9 29.9



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: 10.38 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BG016690.D

Acq: 24 Apr 2015 19:19

Tgt Ion: 136 Resp: 205517

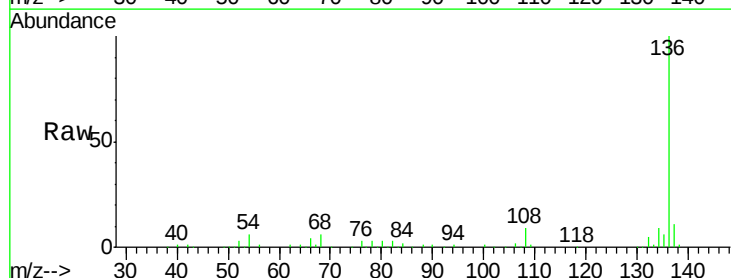
Ion Ratio Lower Upper

136 100

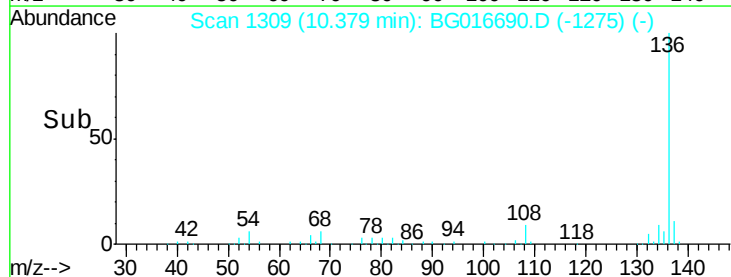
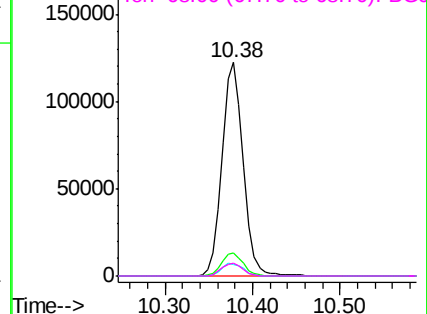
137 10.7 8.5 12.7

54 5.6 5.4 8.2

68 5.9 5.2 7.8



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

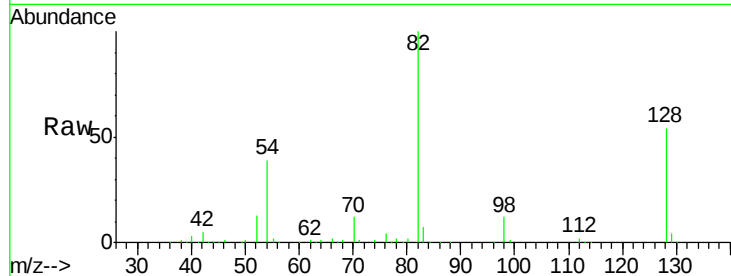




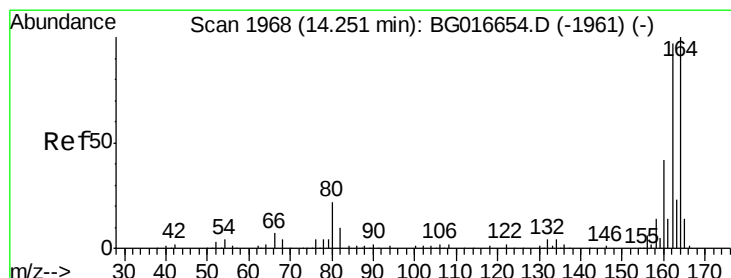
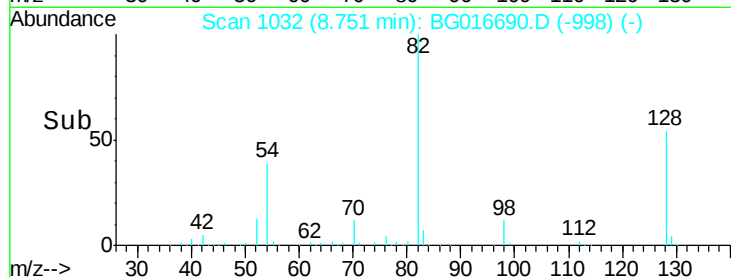
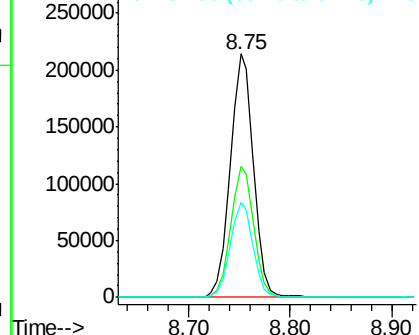
#23  
 Nitrobenzene-d5  
 Concen: 104.30 ng  
 RT: 8.75 min Scan# 1032  
 Delta R.T. 0.00 min  
 Lab File: BG016690.D  
 Acq: 24 Apr 2015 19:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PS-21(5-10)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 53.7  | 44.7  | 67.1  |
| 54      | 39.2  | 30.9  | 46.3  |

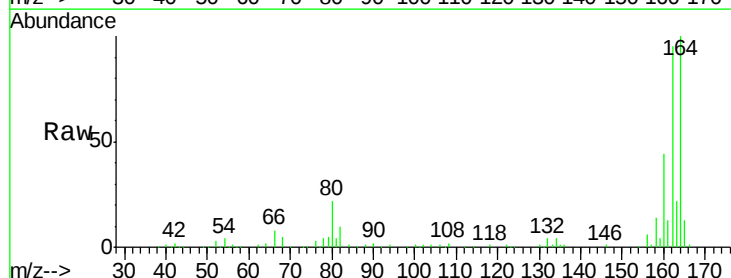


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

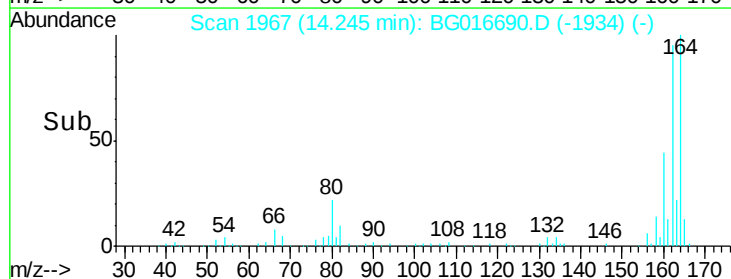
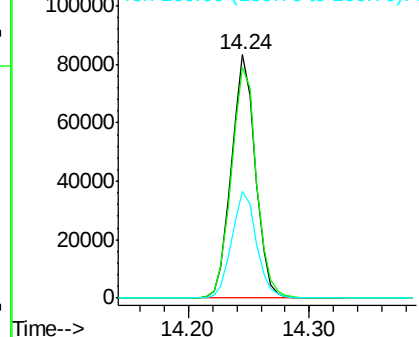


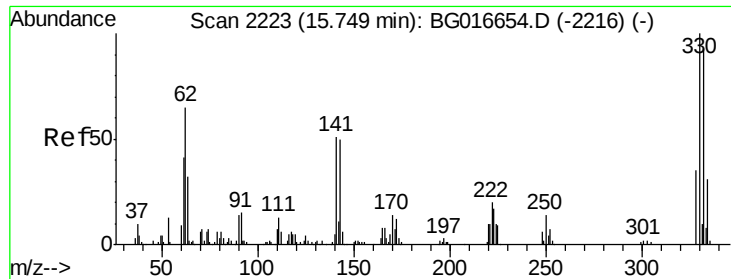
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.24 min Scan# 1967  
 Delta R.T. -0.01 min  
 Lab File: BG016690.D  
 Acq: 24 Apr 2015 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.9  | 77.3  | 115.9 |
| 160     | 43.8  | 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

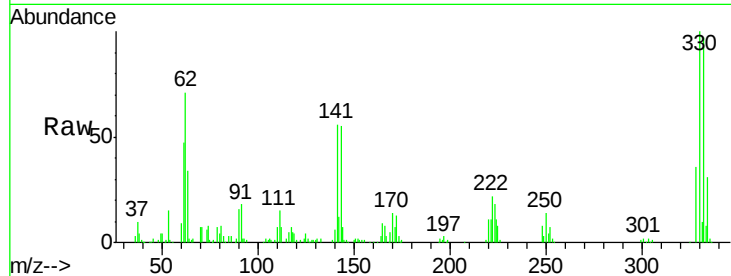




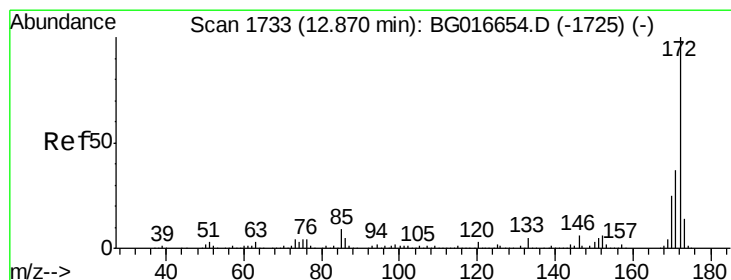
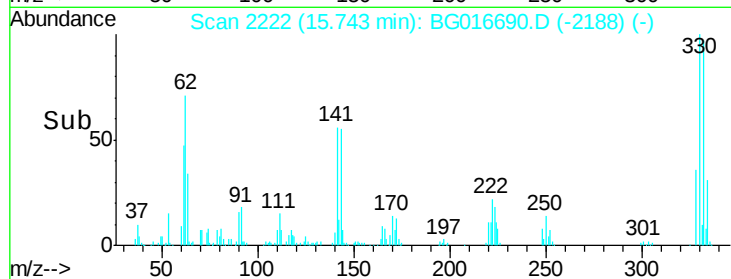
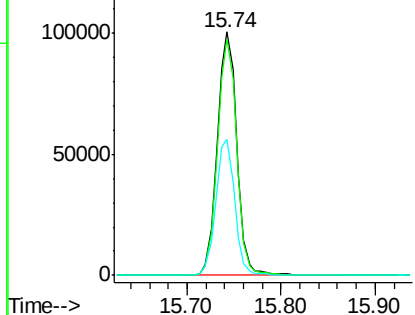
#41  
 2,4,6-Tribromophenol  
 Concen: 171.88 ng  
 RT: 15.74 min Scan# 2222  
 Delta R.T. 0.00 min  
 Lab File: BG016690.D  
 Acq: 24 Apr 2015 19:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PS-21(5-10)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 76.2  | 114.4 |
| 141     | 54.3  | 43.0  | 64.6  |

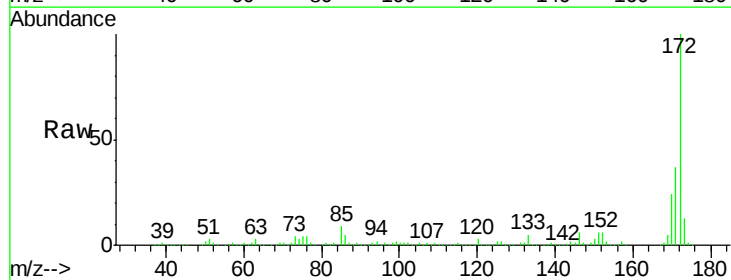


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

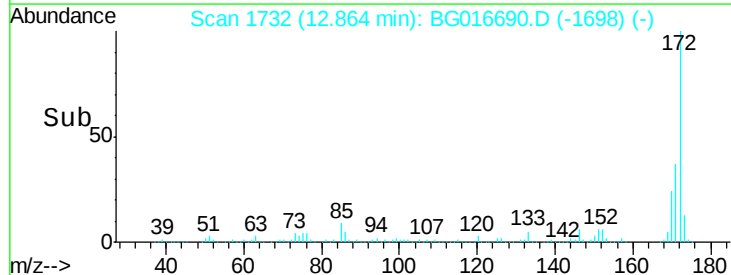
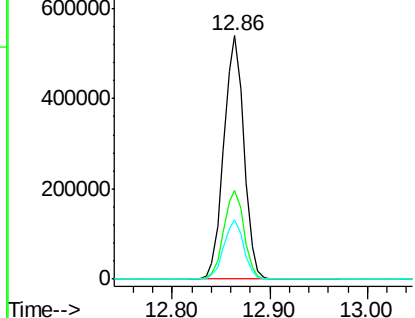


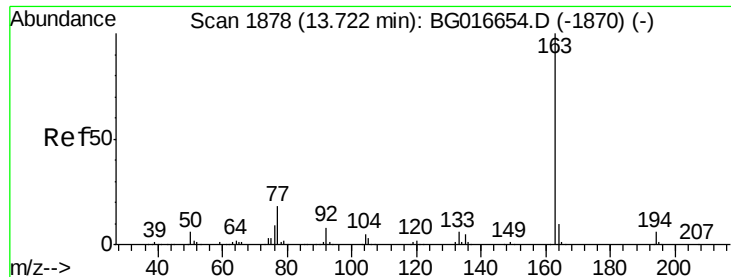
#44  
 2-Fluorobiphenyl  
 Concen: 107.95 ng  
 RT: 12.86 min Scan# 1732  
 Delta R.T. 0.00 min  
 Lab File: BG016690.D  
 Acq: 24 Apr 2015 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.9  | 44.9  |
| 170     | 24.1  | 19.8  | 29.8  |



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: 4.15 ng

RT: 13.71 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG016690.D

Acq: 24 Apr 2015 19:19

Instrument :

BNA\_G

ClientSampleId :

PS-21(5-10)

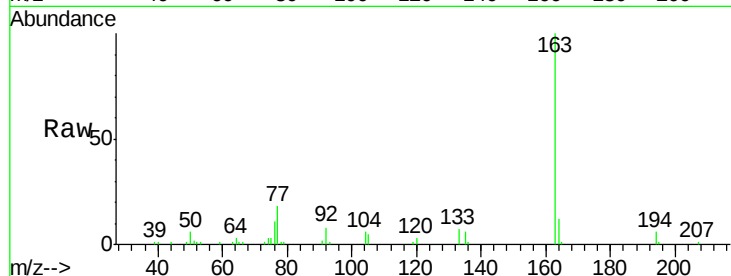
Tgt Ion:163 Resp: 35606

Ion Ratio Lower Upper

163 100

194 6.3 5.0 7.4

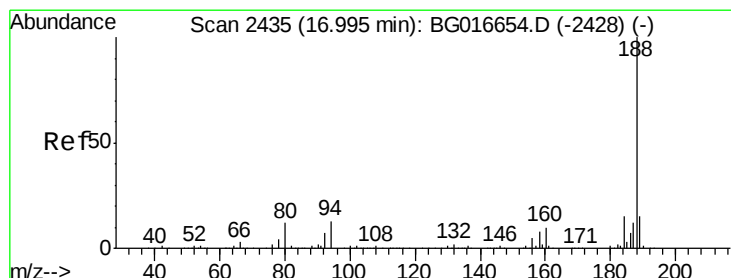
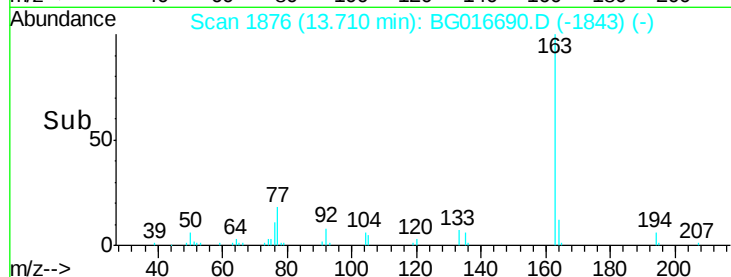
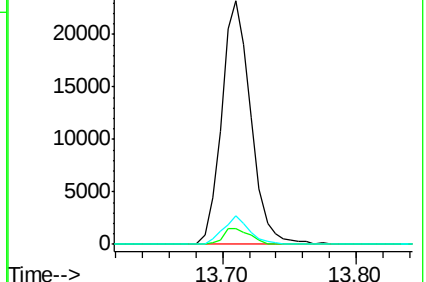
164 11.6 7.8 11.8



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: 16.99 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG016690.D

Acq: 24 Apr 2015 19:19

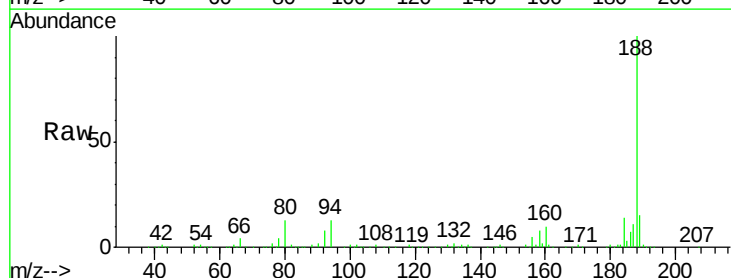
Tgt Ion:188 Resp: 245751

Ion Ratio Lower Upper

188 100

94 13.3 10.7 16.1

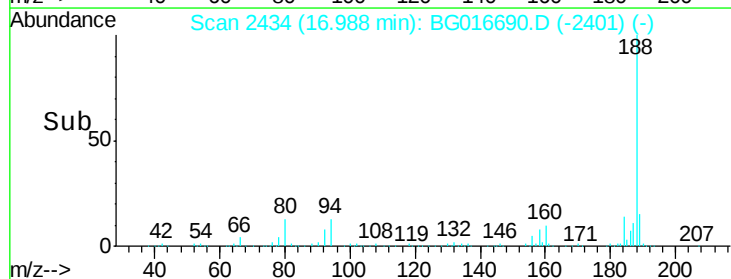
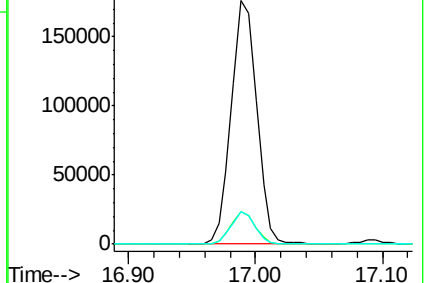
80 13.2 9.9 14.9

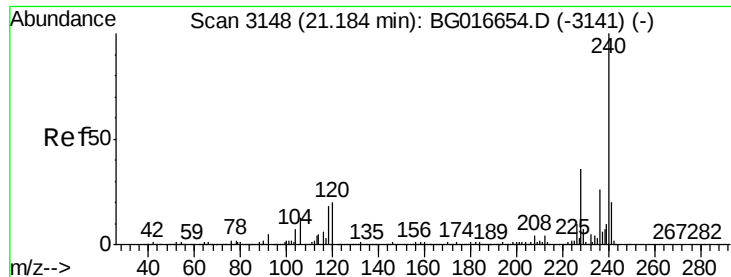


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.18 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG016690.D

Acq: 24 Apr 2015 19:19

Instrument :

BNA\_G

ClientSampleId :

PS-21(5-10)

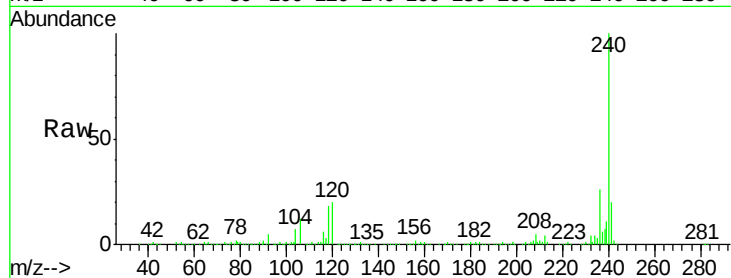
Tgt Ion:240 Resp: 258579

Ion Ratio Lower Upper

240 100

120 20.5 16.3 24.5

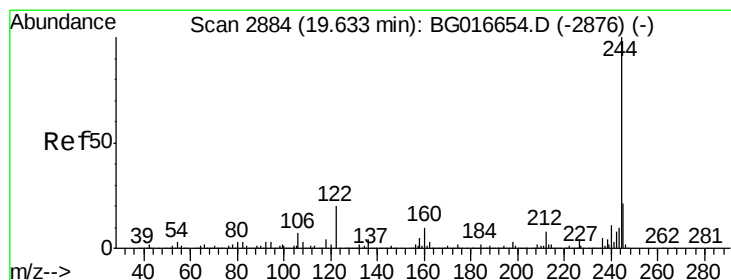
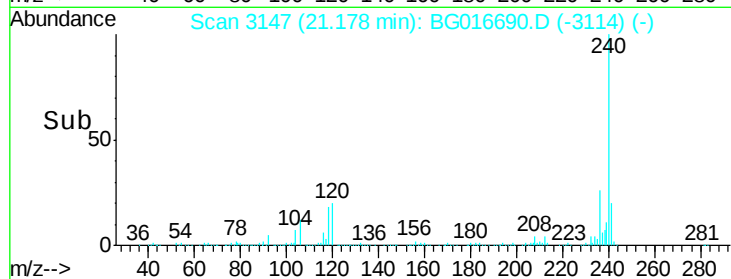
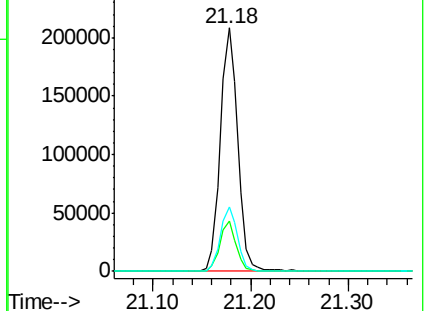
236 26.4 21.1 31.7



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: 90.02 ng

RT: 19.63 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG016690.D

Acq: 24 Apr 2015 19:19

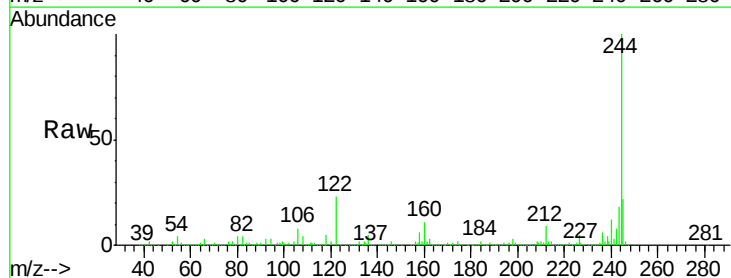
Tgt Ion:244 Resp: 1010528

Ion Ratio Lower Upper

244 100

212 8.7 6.4 9.6

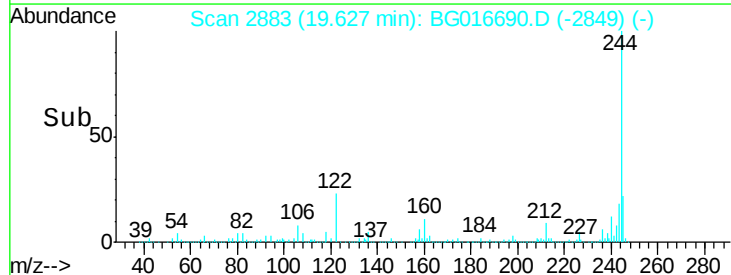
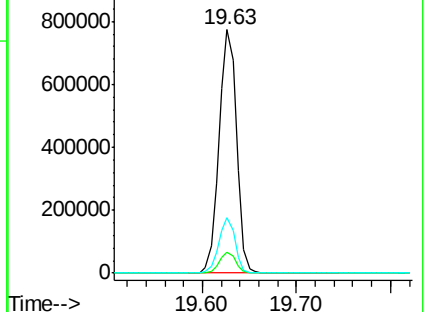
122 22.6 15.9 23.9

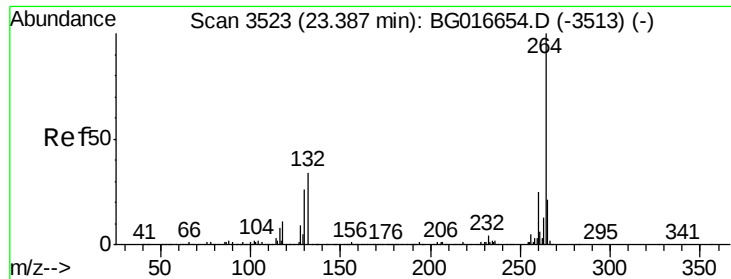


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

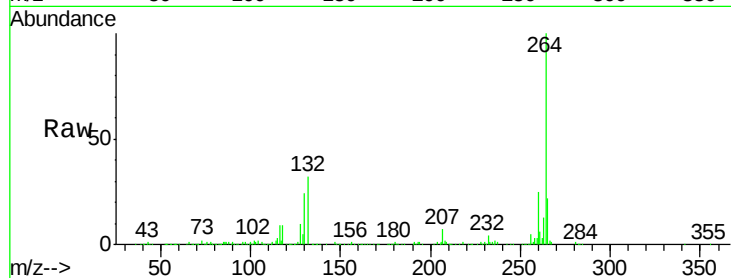




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.38 min Scan# 3522  
Delta R.T. -0.01 min  
Lab File: BG016690.D  
Acq: 24 Apr 2015 19:19

Instrument :  
BNA\_G  
ClientSampleId :  
PS-21(5-10)

Tgt Ion: 264 Resp: 249839  
Ion Ratio Lower Upper  
264 100  
260 24.6 20.0 30.0  
265 22.1 16.8 25.2



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

