

Data Path : S:\HPCHEM1\BNA\_G\DATA\BG022916\  
 Data File : BG021183.D  
 Acq On : 1 Mar 2016 11:25  
 Operator : UM/SJ  
 Sample : H1521-01RE  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-1(0-2)RE

Quant Time: Mar 01 13:47:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG022916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 29 17:40:25 2016  
 Response via : Initial Calibration

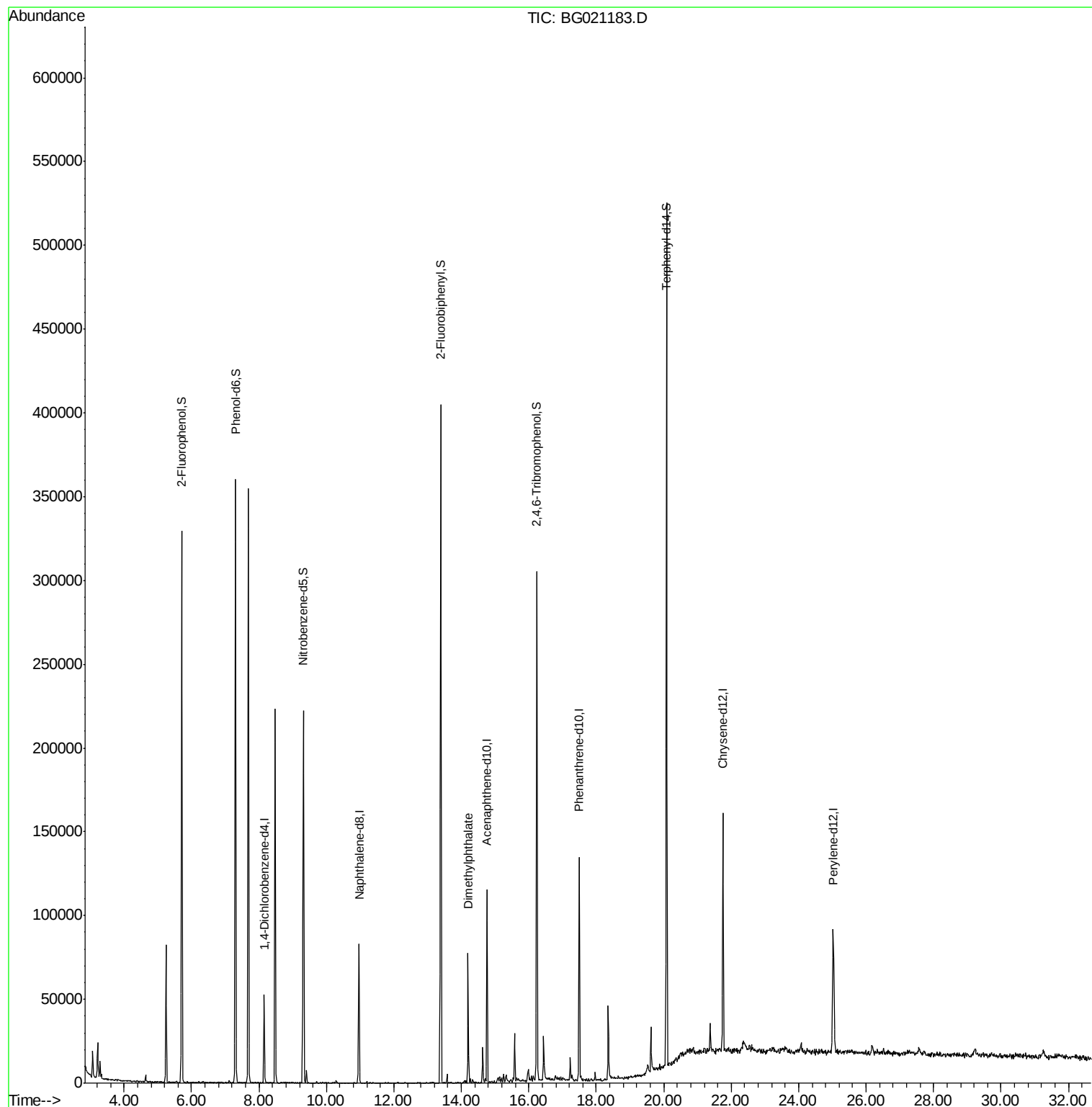
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 12923    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.96 | 136  | 65076    | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.76 | 164  | 35330    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.49 | 188  | 75206    | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.76 | 240  | 77564    | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.02 | 264  | 72738    | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.71  | 112  | 128947   | 158.63 | ng    | 0.00           |
| 7) Phenol-d6                | 7.30  | 99   | 199857   | 149.52 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 142299   | 92.53  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 40054    | 108.97 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 192824   | 77.50  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.08 | 244  | 186284   | 58.18  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.20 | 163  | 43272    | 13.74  | ng    | Qvalue<br># 99 |

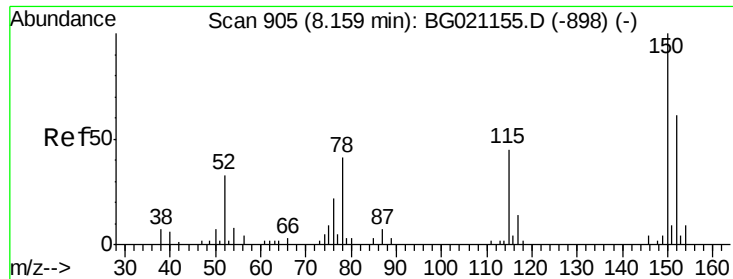
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : S:\HPCHEM1\BNA\_G\DATA\BG022916\  
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Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SP-1(0-2)RE

Quant Time: Mar 01 13:47:21 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG022916.M  
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Response via : Initial Calibration

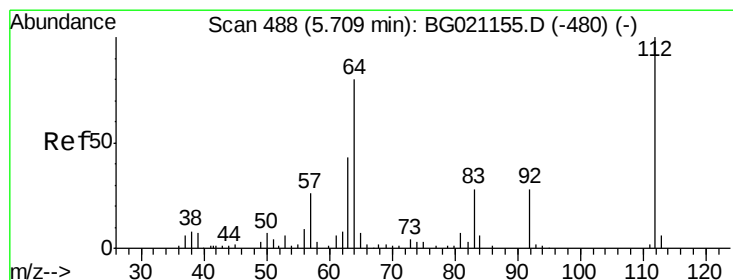
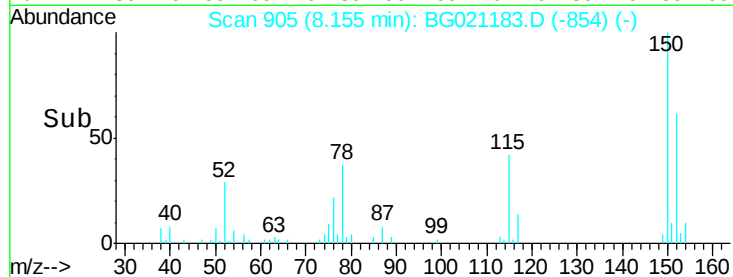
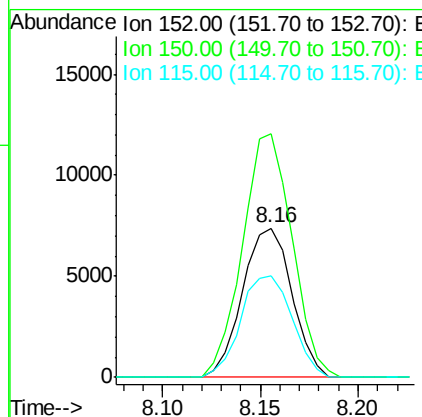
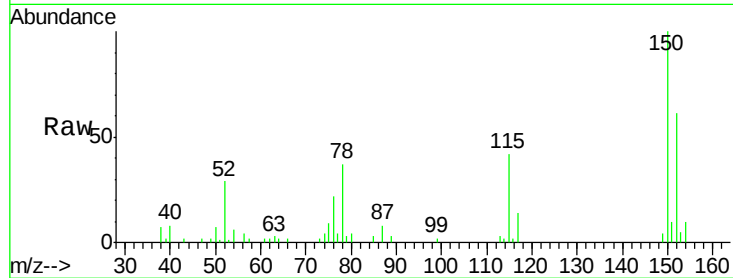




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.16 min Scan# 905  
 Delta R.T. -0.00 min  
 Lab File: BG021183.D  
 Acq: 1 Mar 2016 11:25

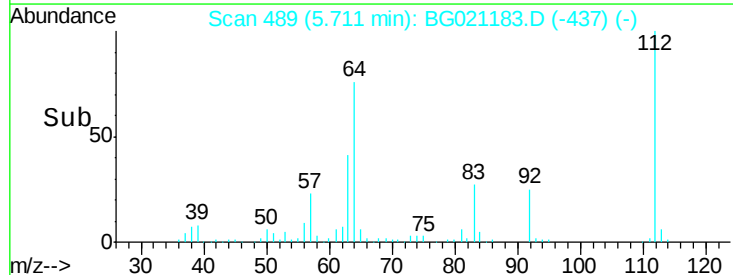
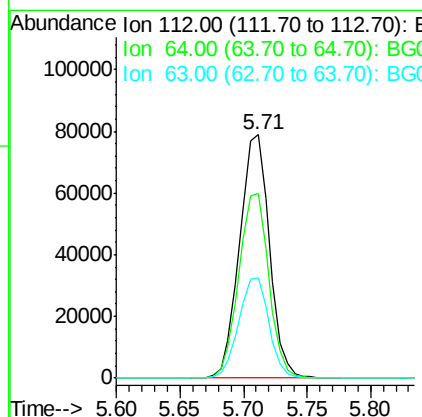
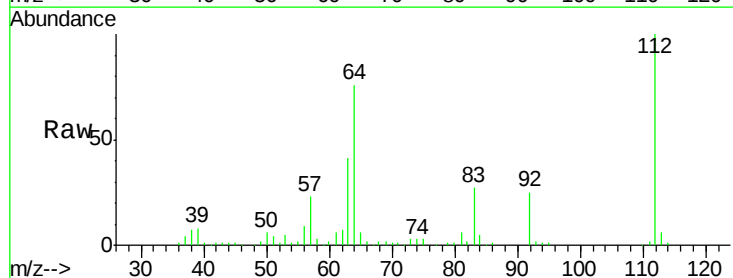
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-1(0-2)RE

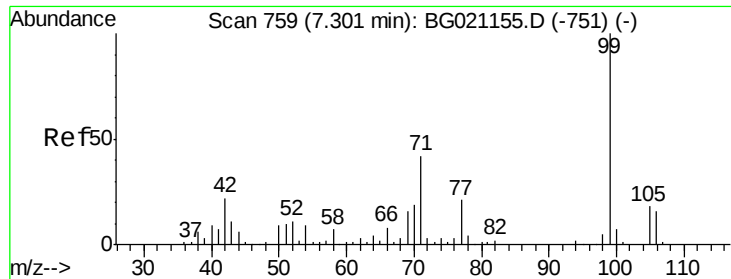
Tgt Ion:152 Resp: 12923  
 Ion Ratio Lower Upper  
 152 100  
 150 163.5 123.4 185.2  
 115 68.4 43.3 64.9#



#5  
 2-Fluorophenol  
 Concen: 158.63 ng  
 RT: 5.71 min Scan# 489  
 Delta R.T. 0.00 min  
 Lab File: BG021183.D  
 Acq: 1 Mar 2016 11:25

Tgt Ion:112 Resp: 128947  
 Ion Ratio Lower Upper  
 112 100  
 64 75.9 42.6 63.8#  
 63 41.1 21.7 32.5#





#7

Phenol-d6

Concen: 149.52 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG021183.D

Acq: 1 Mar 2016 11:25

Instrument :

BNA\_G

ClientSampleId :

SP-1(0-2)RE

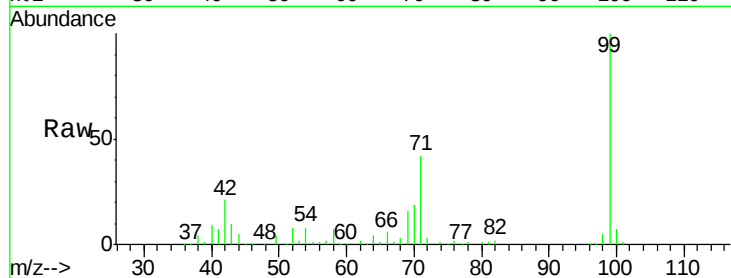
Tgt Ion: 99 Resp: 199857

Ion Ratio Lower Upper

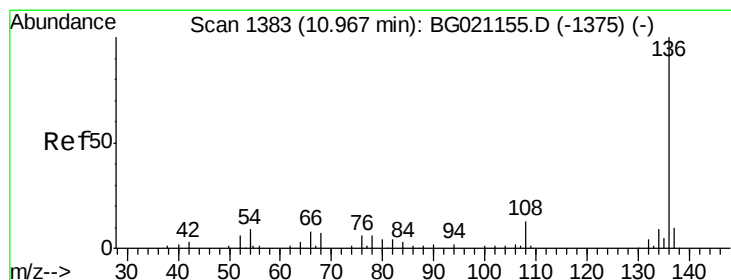
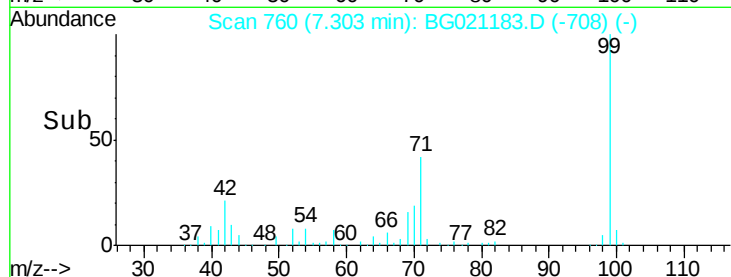
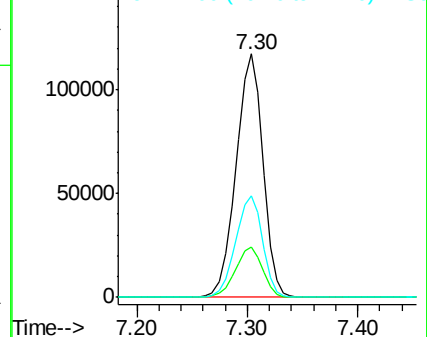
99 100

42 20.6 13.2 19.8#

71 41.9 25.2 37.8#



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: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG021183.D

Acq: 1 Mar 2016 11:25

Tgt Ion: 136 Resp: 65076

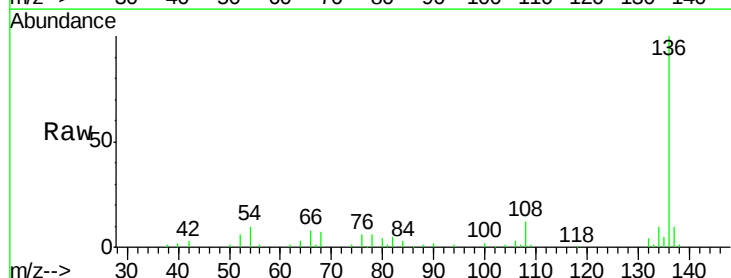
Ion Ratio Lower Upper

136 100

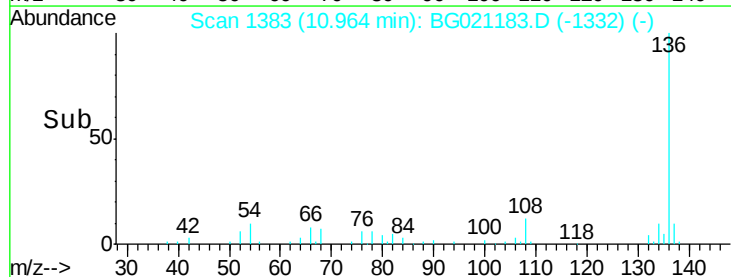
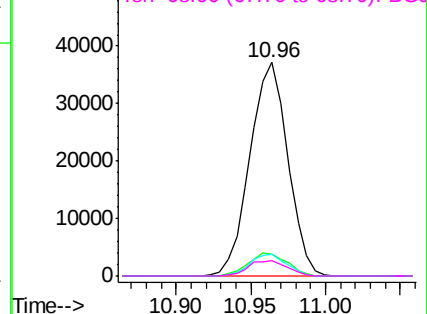
137 10.0 8.8 13.2

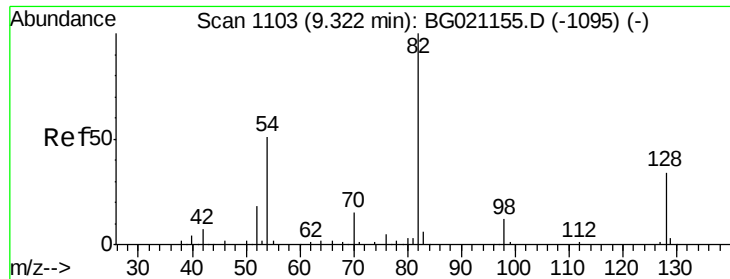
54 10.3 6.9 10.3

68 7.4 5.8 8.6



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

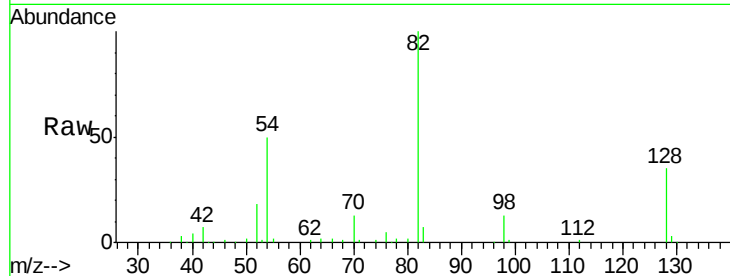




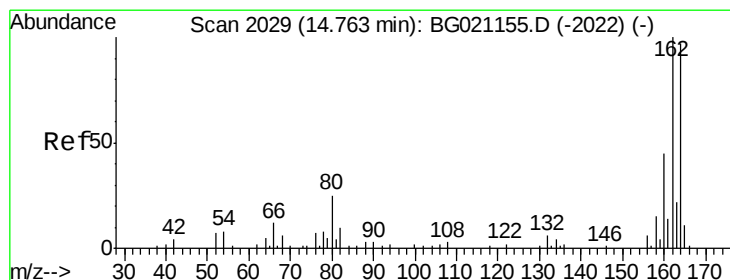
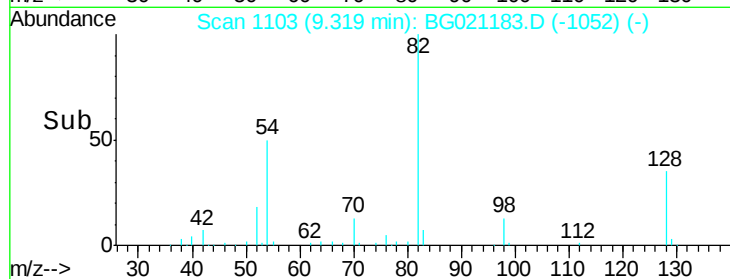
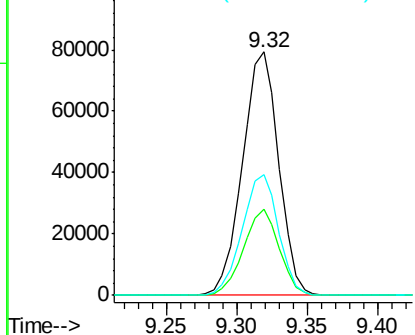
#23  
 Nitrobenzene-d5  
 Concen: 92.53 ng  
 RT: 9.32 min Scan# 1103  
 Delta R.T. -0.00 min  
 Lab File: BG021183.D  
 Acq: 1 Mar 2016 11:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-1(0-2)RE

Tgt Ion: 82 Resp: 142299  
 Ion Ratio Lower Upper  
 82 100  
 128 35.3 36.3 54.5#  
 54 49.5 37.6 56.4

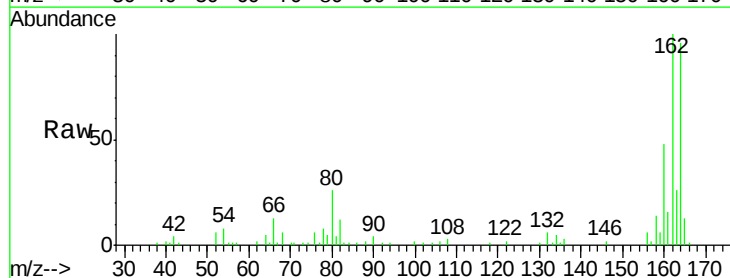


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

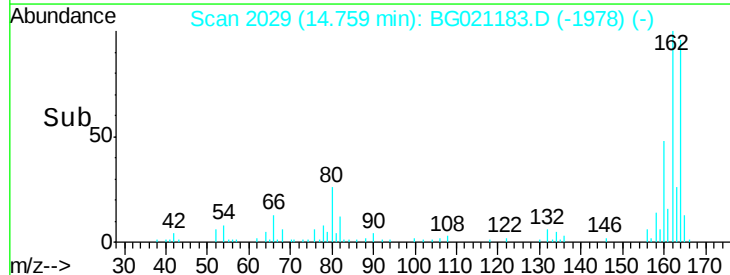
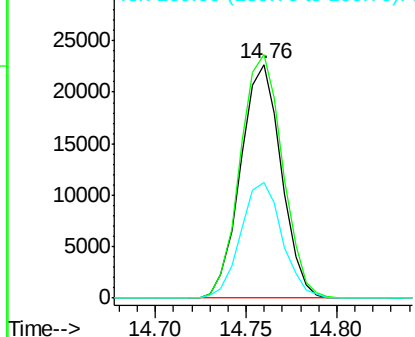


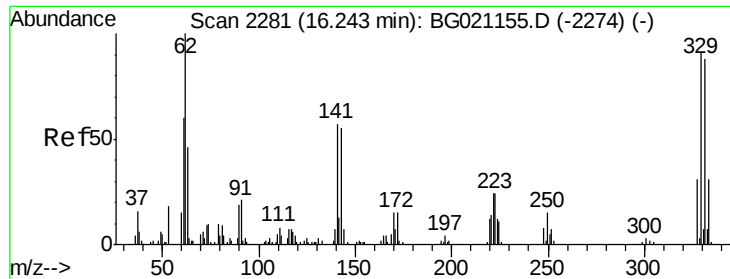
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.76 min Scan# 2029  
 Delta R.T. -0.00 min  
 Lab File: BG021183.D  
 Acq: 1 Mar 2016 11:25

Tgt Ion: 164 Resp: 35330  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 80.6 120.8  
 160 49.7 36.5 54.7



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

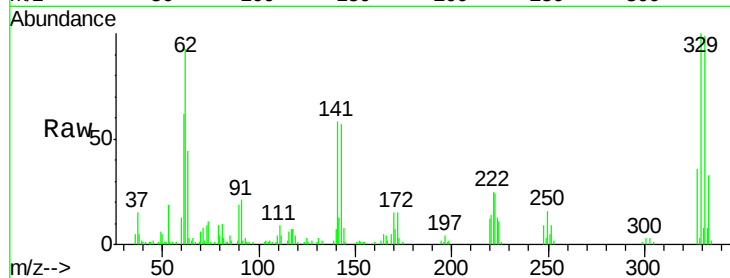




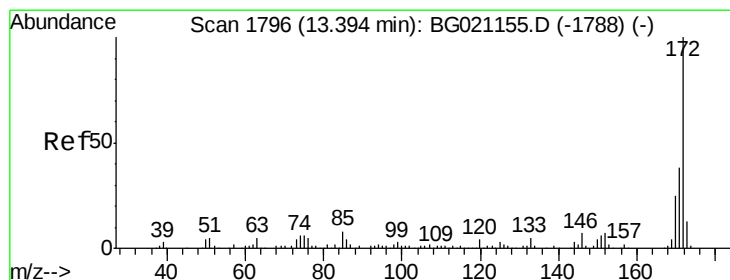
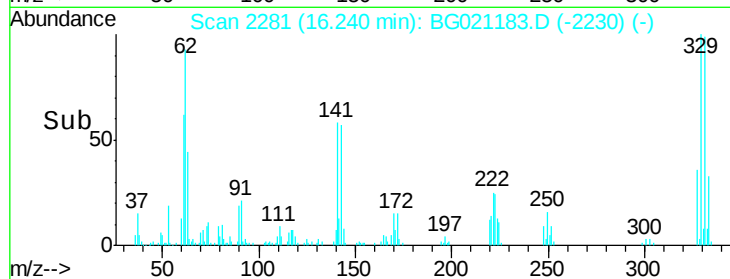
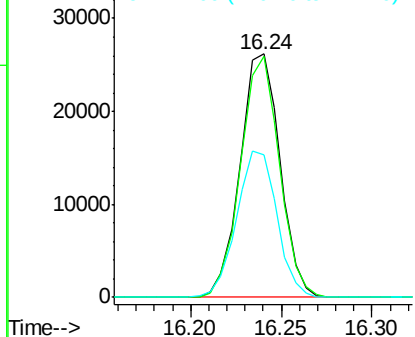
#41  
 2,4,6-Tribromophenol  
 Concen: 108.97 ng  
 RT: 16.24 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: BG021183.D  
 Acq: 1 Mar 2016 11:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-1(0-2)RE

Tgt Ion:330 Resp: 40054  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.4 116.0  
 141 60.6 35.3 52.9#

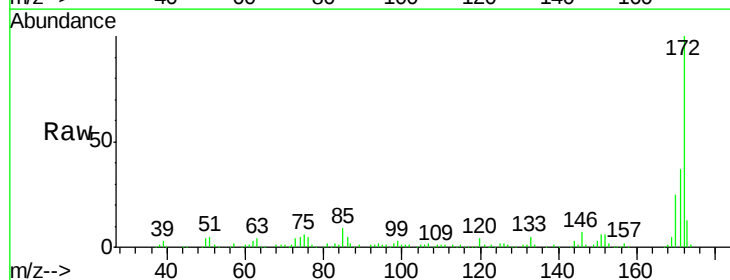


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

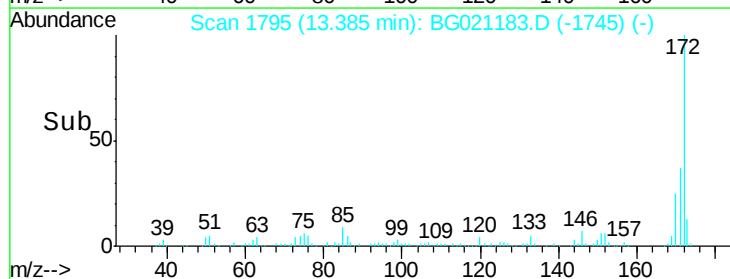
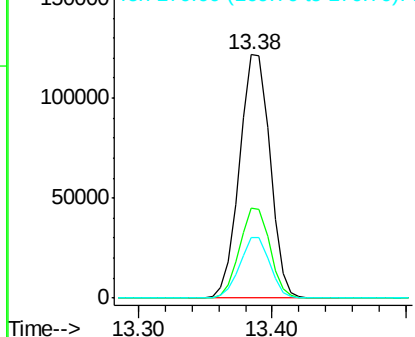


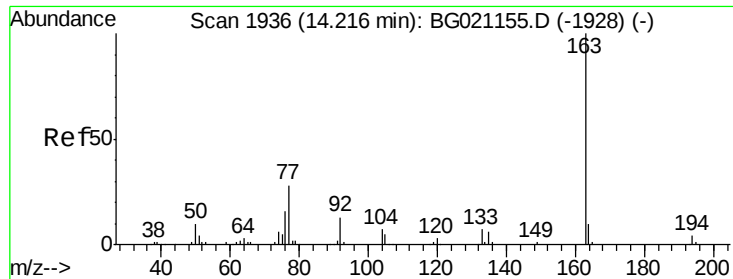
#44  
 2-Fluorobiphenyl  
 Concen: 77.50 ng  
 RT: 13.38 min Scan# 1795  
 Delta R.T. -0.01 min  
 Lab File: BG021183.D  
 Acq: 1 Mar 2016 11:25

Tgt Ion:172 Resp: 192824  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 29.4 44.0  
 170 25.0 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: 13.74 ng

RT: 14.20 min Scan# 1934

Delta R.T. -0.02 min

Lab File: BG021183.D

Acq: 1 Mar 2016 11:25

Instrument :

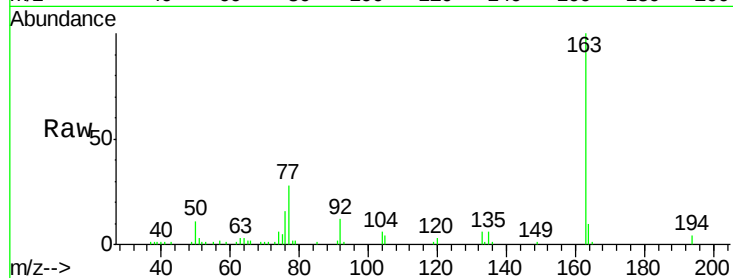
BNA\_G

ClientSampleId :

SP-1(0-2)RE

Tgt Ion:163 Resp: 43272

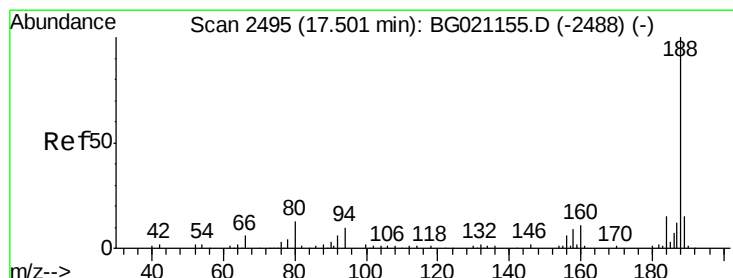
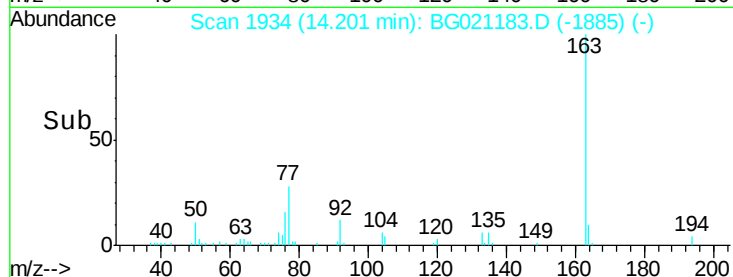
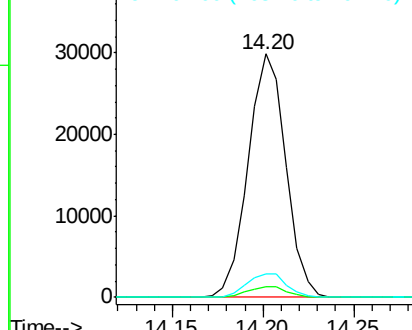
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.3   | 2.8   | 4.2#  |
| 164 | 9.9   | 7.9   | 11.9  |



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: 17.49 min Scan# 2494

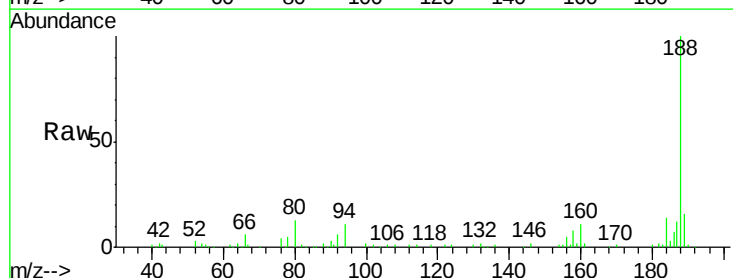
Delta R.T. -0.01 min

Lab File: BG021183.D

Acq: 1 Mar 2016 11:25

Tgt Ion:188 Resp: 75206

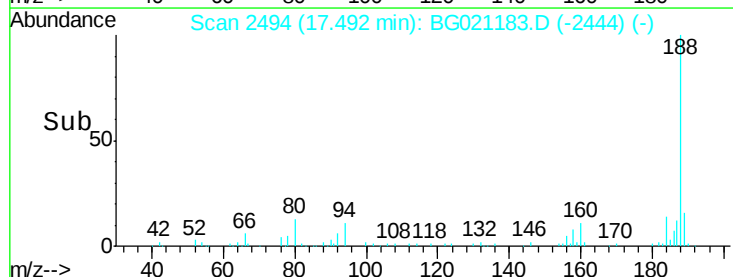
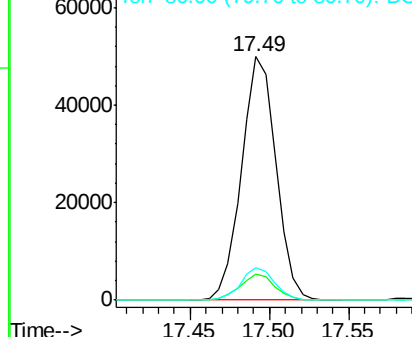
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.5  | 8.2   | 12.4  |
| 80  | 13.3  | 9.2   | 13.8  |

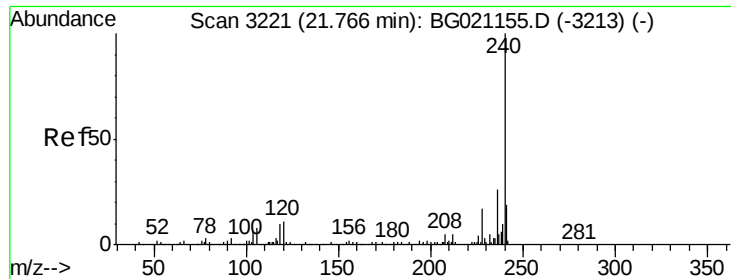


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG021183.D

Acq: 1 Mar 2016 11:25

Instrument :

BNA\_G

ClientSampleId :

SP-1(0-2)RE

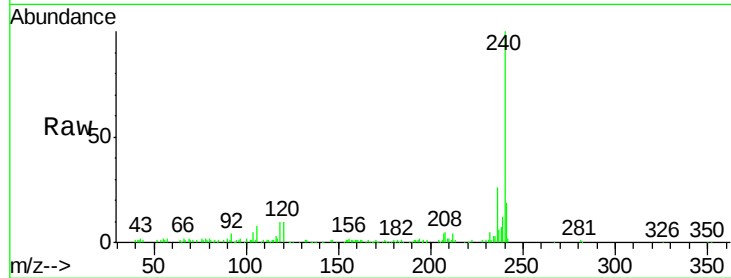
Tgt Ion:240 Resp: 77564

Ion Ratio Lower Upper

240 100

120 10.3 7.5 11.3

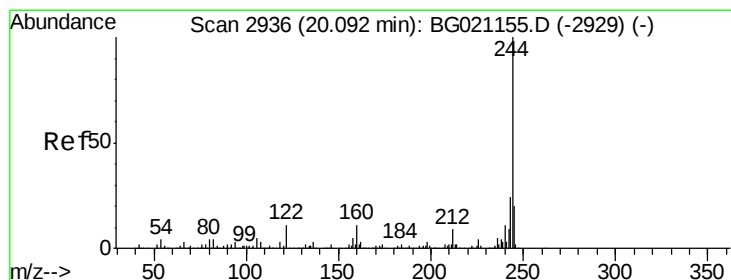
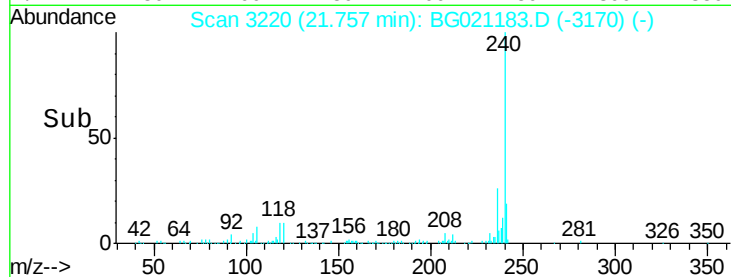
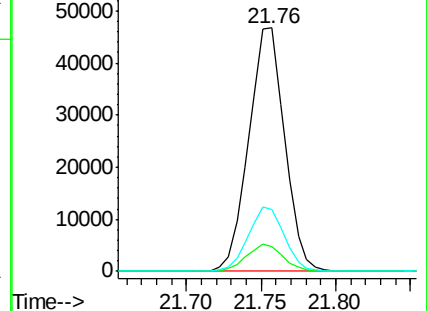
236 25.6 20.5 30.7



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: 58.18 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BG021183.D

Acq: 1 Mar 2016 11:25

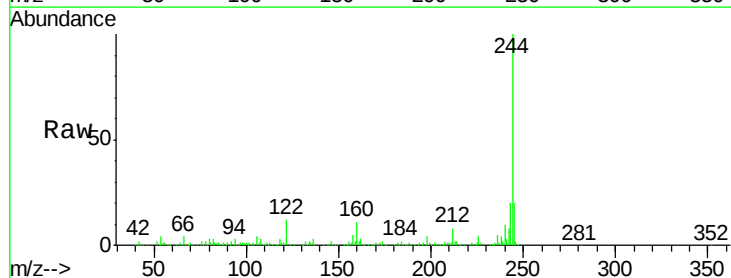
Tgt Ion:244 Resp: 186284

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.6

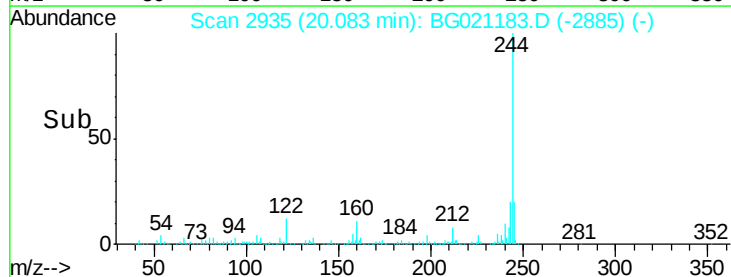
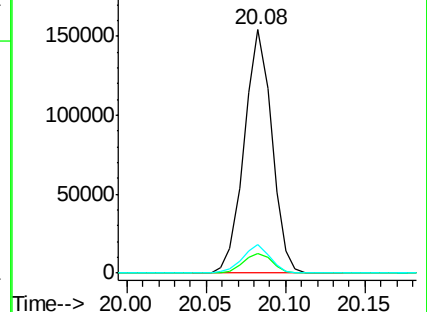
122 11.6 8.3 12.5

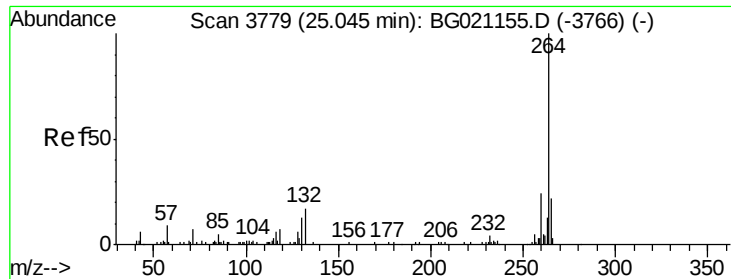


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3776  
Delta R.T. -0.02 min  
Lab File: BG021183.D  
Acq: 1 Mar 2016 11:25

Instrument :  
BNA\_G  
ClientSampleId :  
SP-1(0-2)RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.6  | 18.5  | 27.7  |
| 265     | 22.0  | 18.6  | 28.0  |

