

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032615\  
 Data File : BG016163.D  
 Acq On : 27 Mar 2015 5:38  
 Operator : TP/IZ  
 Sample : G1653-14  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FD9

Quant Time: Mar 27 15:43:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 26 15:24:59 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 51513    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.57 | 136  | 225060   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.42 | 164  | 144651   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.15 | 188  | 320330   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.32 | 240  | 327444   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.60 | 264  | 317401   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 335086   | 108.87 | ng    | 0.00     |
| 7) Phenol-d6                | 6.96  | 99   | 481730   | 112.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 243899   | 67.19  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.90 | 330  | 184225   | 110.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.04 | 172  | 599376   | 69.36  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.77 | 244  | 880282   | 67.70  | ng    | 0.00     |

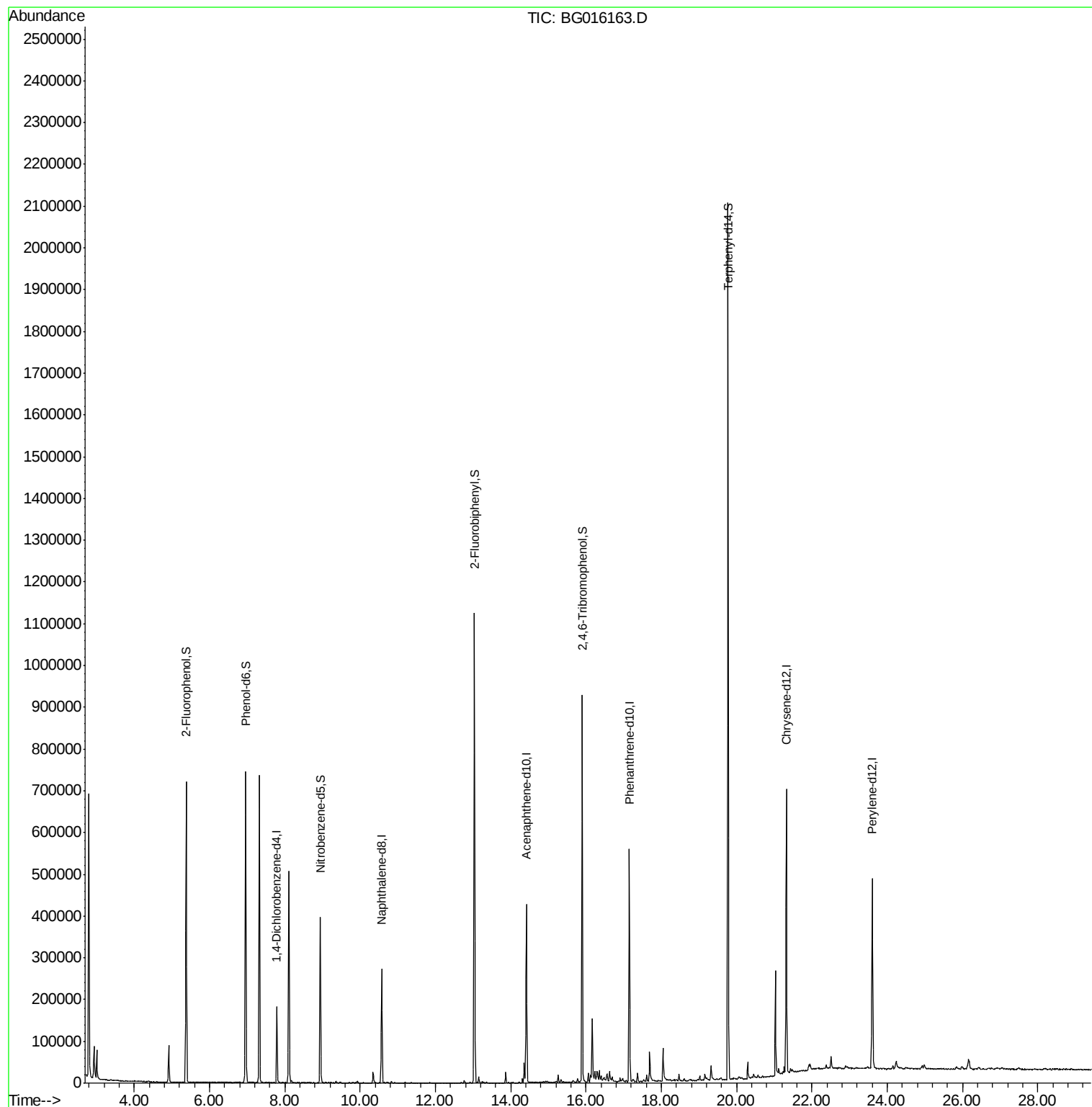
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

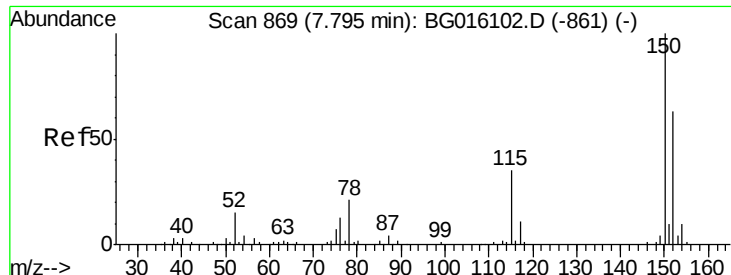
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 26 15:24:59 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 868

Delta R.T. -0.01 min

Lab File: BG016163.D

Acq: 27 Mar 2015 5:38

Instrument :

BNA\_G

ClientSampleId :

FD9

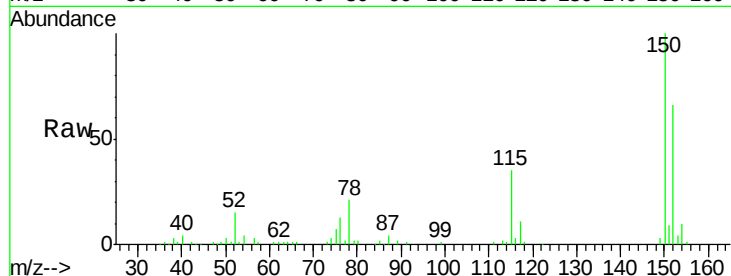
Tgt Ion:152 Resp: 51513

Ion Ratio Lower Upper

152 100

150 152.0 126.1 189.1

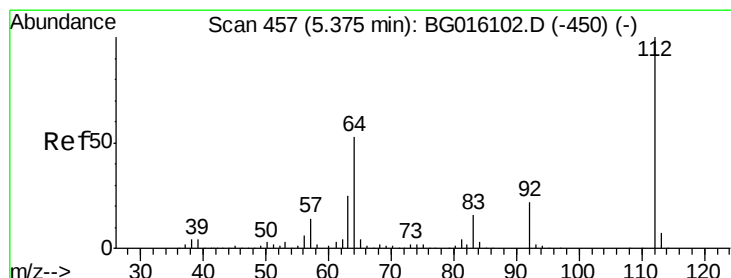
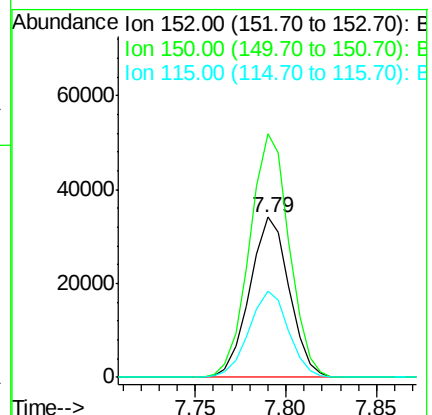
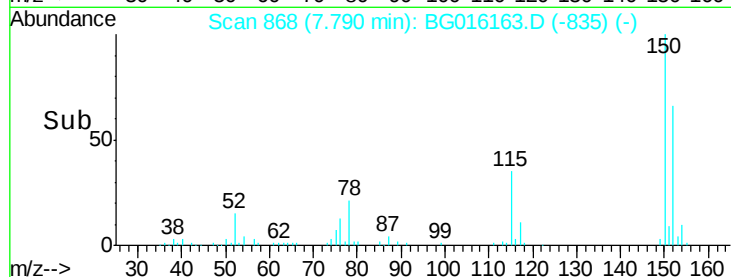
115 53.8 43.7 65.5



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: 108.87 ng

RT: 5.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: BG016163.D

Acq: 27 Mar 2015 5:38

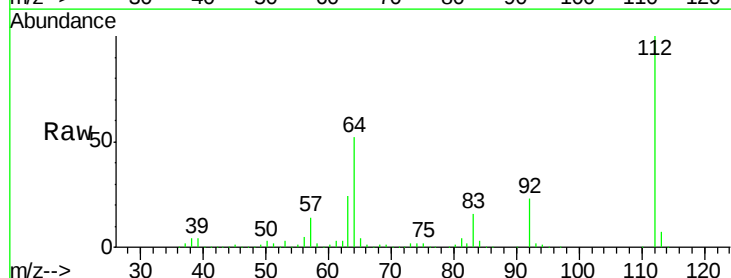
Tgt Ion:112 Resp: 335086

Ion Ratio Lower Upper

112 100

64 51.8 42.6 64.0

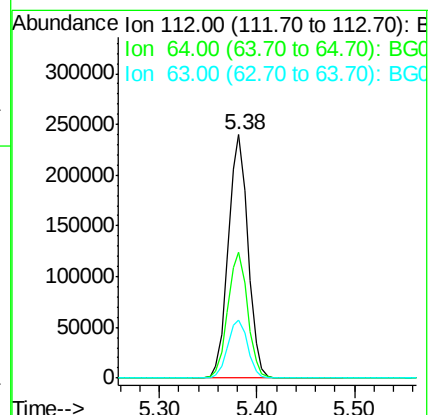
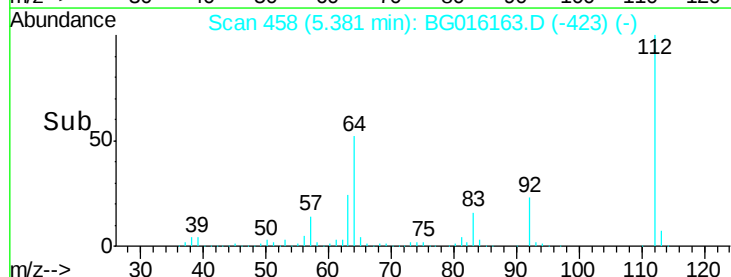
63 24.1 19.9 29.9



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: 112.44 ng

RT: 6.96 min Scan# 727

Delta R.T. 0.00 min

Lab File: BG016163.D

Acq: 27 Mar 2015 5:38

Instrument :

BNA\_G

ClientSampleId :

FD9

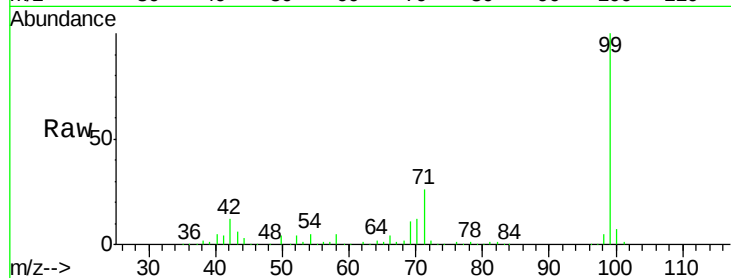
Tgt Ion: 99 Resp: 481730

Ion Ratio Lower Upper

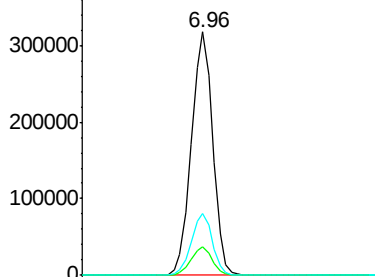
99 100

42 11.7 9.4 14.0

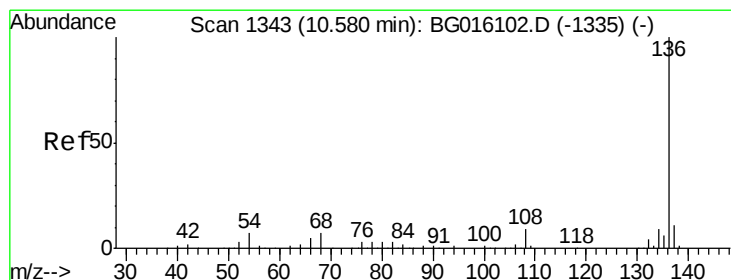
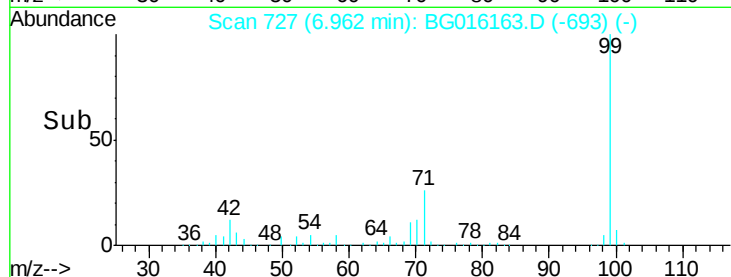
71 25.6 19.9 29.9



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.57 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BG016163.D

Acq: 27 Mar 2015 5:38

Tgt Ion: 136 Resp: 225060

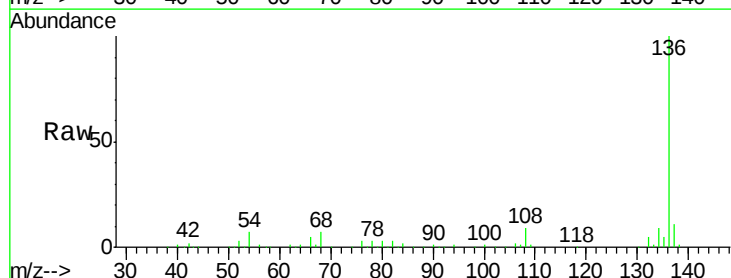
Ion Ratio Lower Upper

136 100

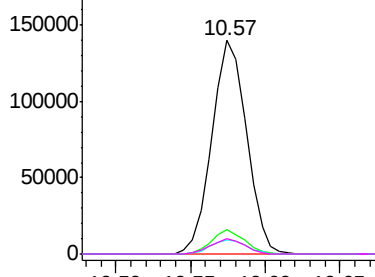
137 11.2 9.0 13.4

54 6.8 5.5 8.3

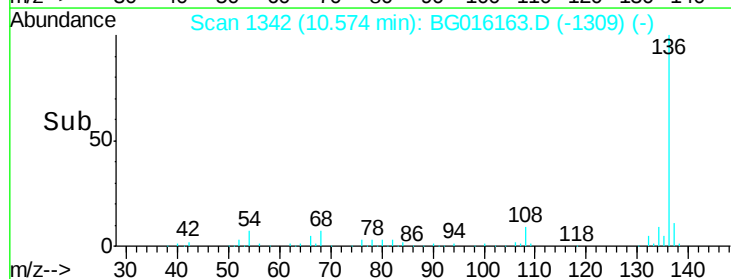
68 7.2 6.0 9.0

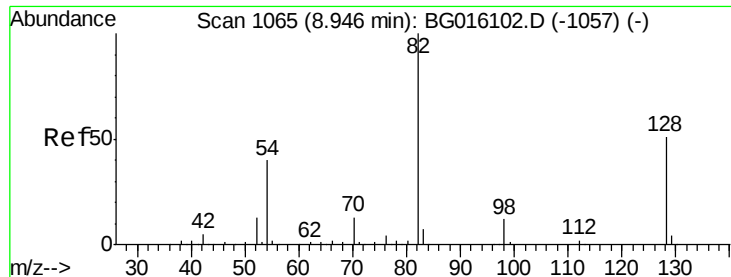


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC



Time-->

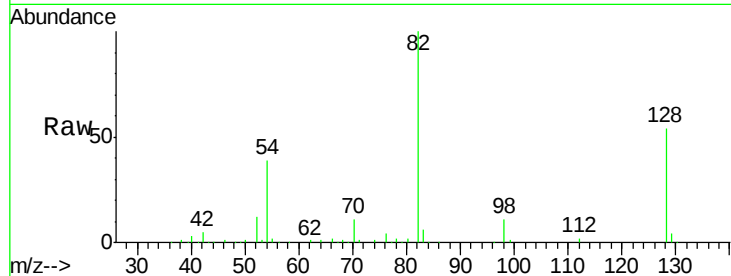




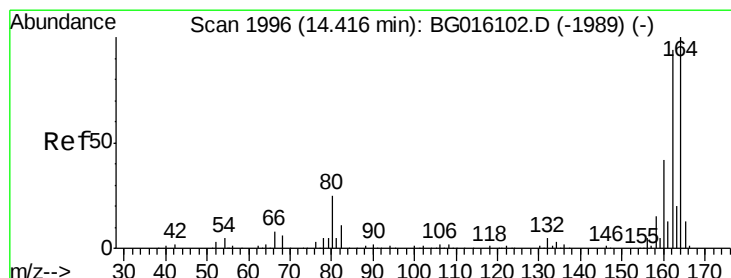
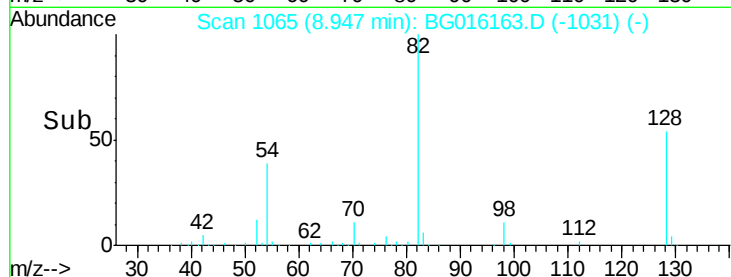
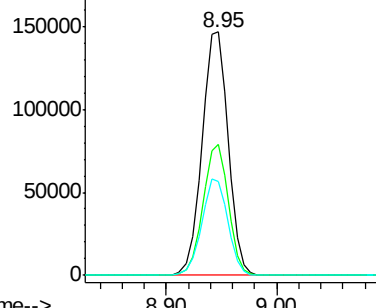
#23  
 Nitrobenzene-d5  
 Concen: 67.19 ng  
 RT: 8.95 min Scan# 1065  
 Delta R.T. 0.00 min  
 Lab File: BG016163.D  
 Acq: 27 Mar 2015 5:38

Instrument :  
 BNA\_G  
 ClientSampled :  
 FD9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 53.7  | 40.4  | 60.6  |
| 54      | 38.5  | 32.1  | 48.1  |

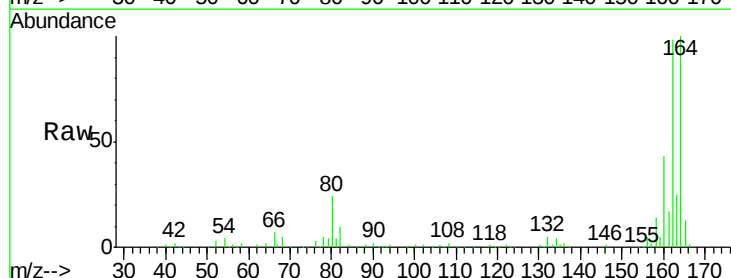


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

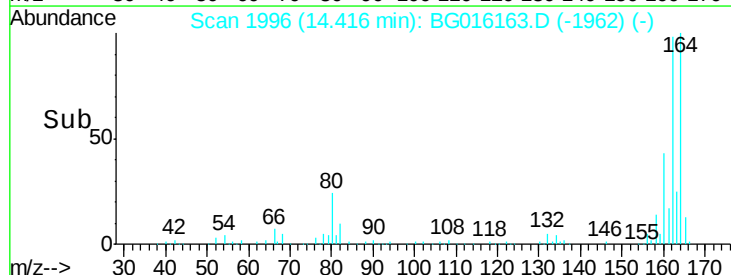
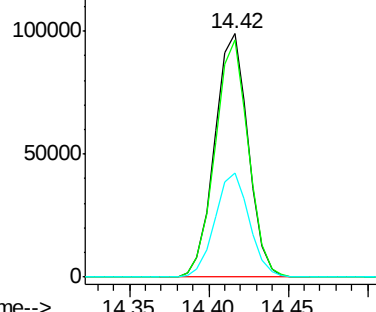


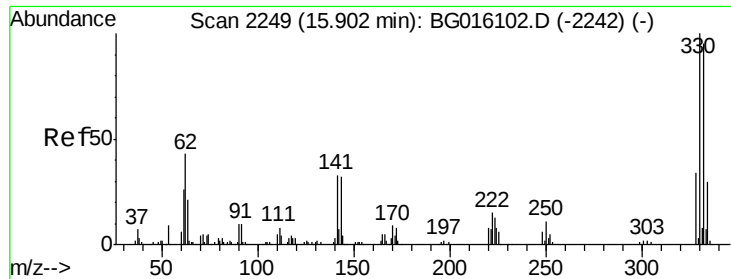
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.42 min Scan# 1996  
 Delta R.T. 0.00 min  
 Lab File: BG016163.D  
 Acq: 27 Mar 2015 5:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.7  | 75.2  | 112.8 |
| 160     | 42.7  | 33.9  | 50.9  |



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

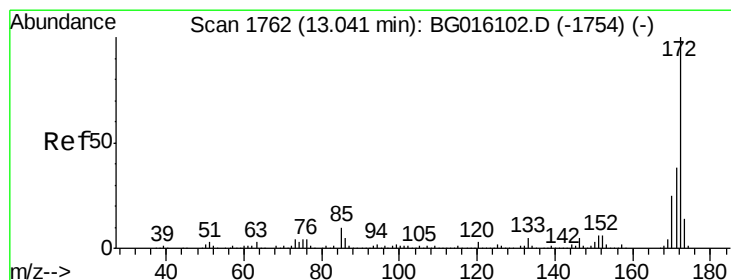
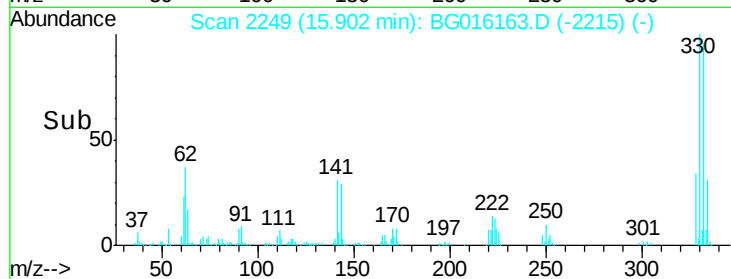
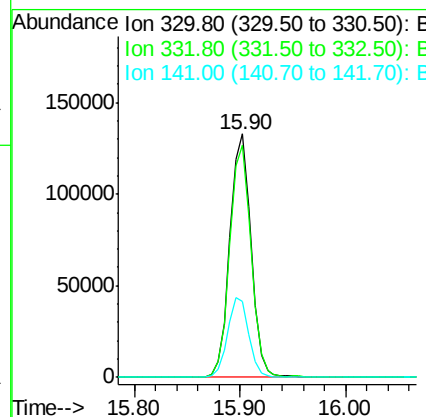
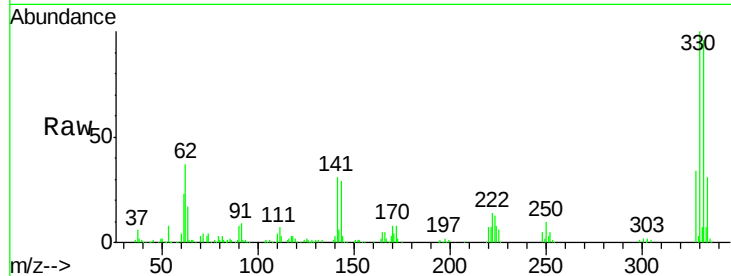




#41  
 2,4,6-Tribromophenol  
 Concen: 110.91 ng  
 RT: 15.90 min Scan# 2249  
 Delta R.T. 0.00 min  
 Lab File: BG016163.D  
 Acq: 27 Mar 2015 5:38

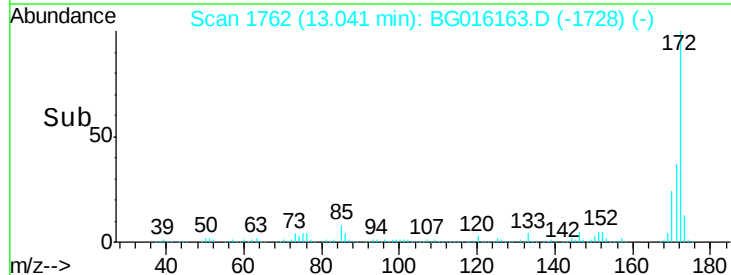
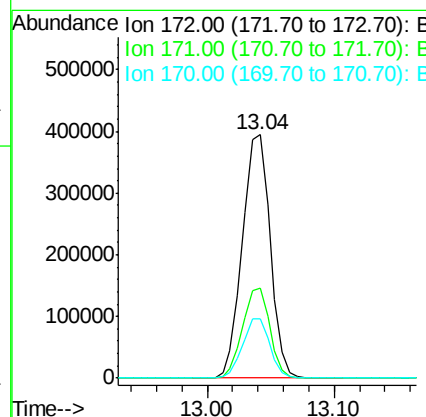
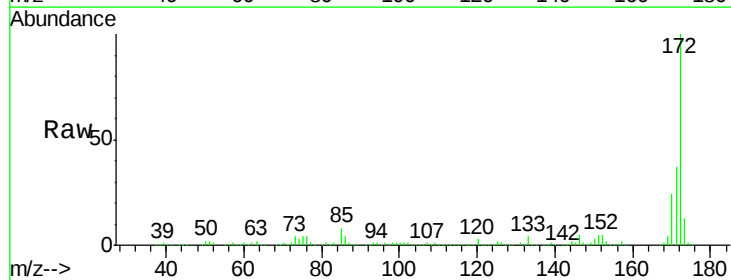
Instrument :  
 BNA\_G  
 ClientSampleId :  
 FD9

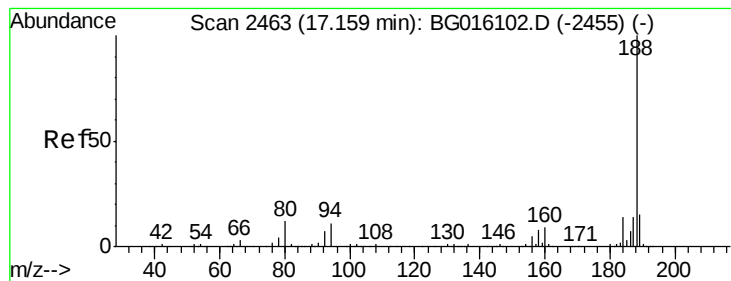
Tgt Ion:330 Resp: 184225  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 114.8  
 141 32.9 26.2 39.4



#44  
 2-Fluorobiphenyl  
 Concen: 69.36 ng  
 RT: 13.04 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: BG016163.D  
 Acq: 27 Mar 2015 5:38

Tgt Ion:172 Resp: 599376  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 30.3 45.5  
 170 24.2 19.8 29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.15 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG016163.D

Acq: 27 Mar 2015 5:38

Instrument :

BNA\_G

ClientSampleId :

FD9

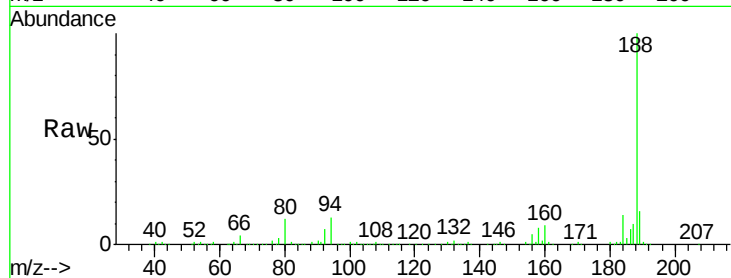
Tgt Ion:188 Resp: 320330

Ion Ratio Lower Upper

188 100

94 12.8 9.1 13.7

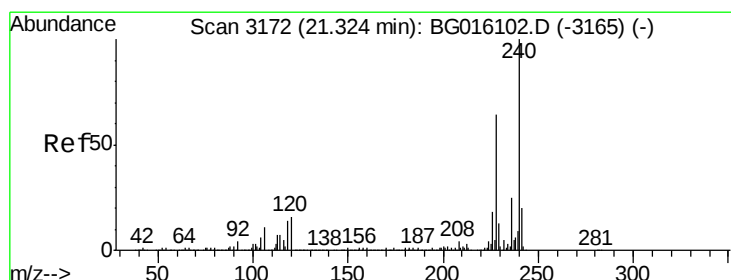
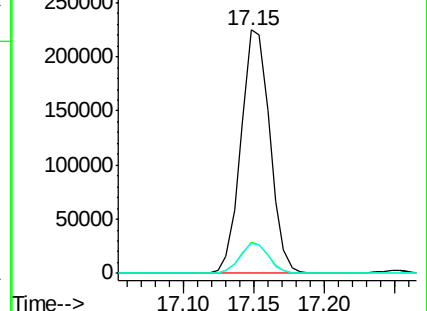
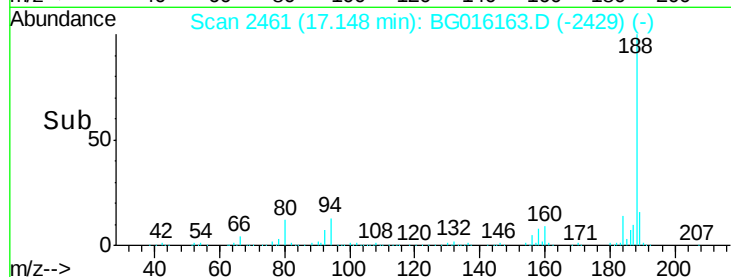
80 12.5 9.8 14.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.32 min Scan# 3172

Delta R.T. 0.00 min

Lab File: BG016163.D

Acq: 27 Mar 2015 5:38

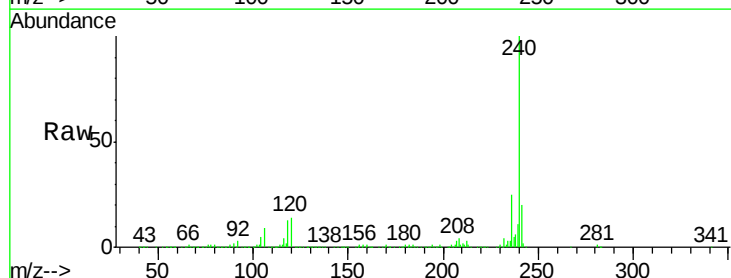
Tgt Ion:240 Resp: 327444

Ion Ratio Lower Upper

240 100

120 13.8 13.0 19.4

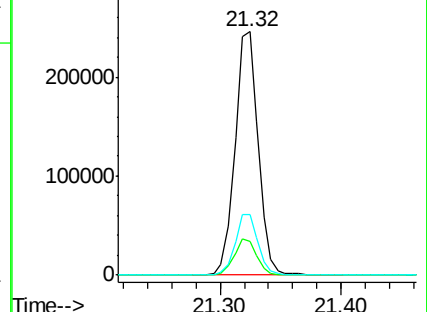
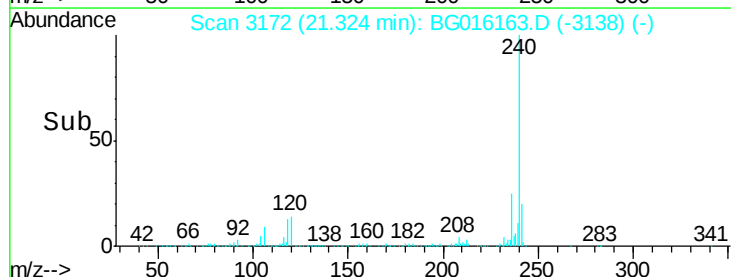
236 24.7 20.2 30.2

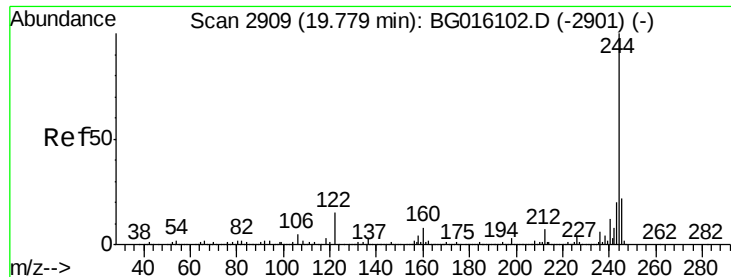


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

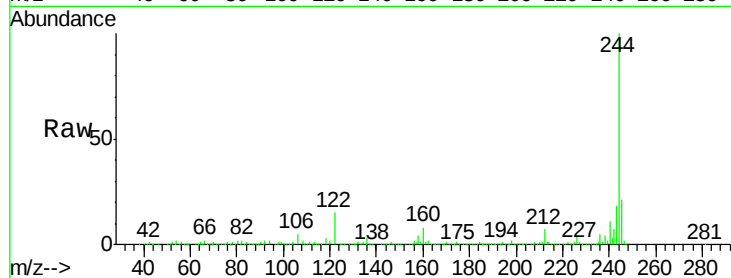




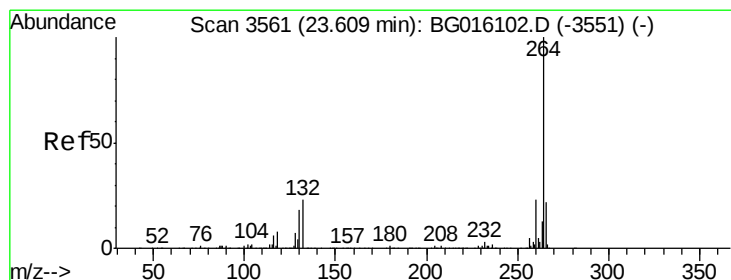
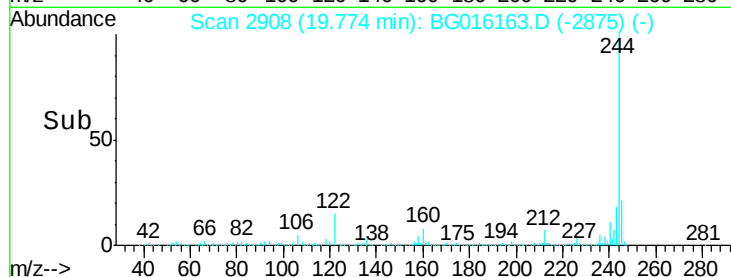
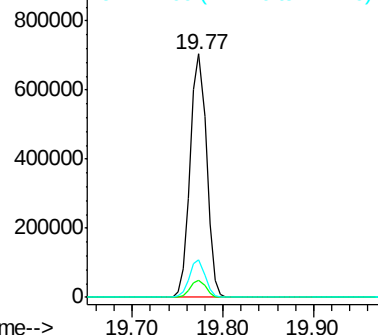
#78  
 Terphenyl-d14  
 Concen: 67.70 ng  
 RT: 19.77 min Scan# 2908  
 Delta R.T. -0.00 min  
 Lab File: BG016163.D  
 Acq: 27 Mar 2015 5:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FD9

Tgt Ion:244 Resp: 880282  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 15.2 12.2 18.2

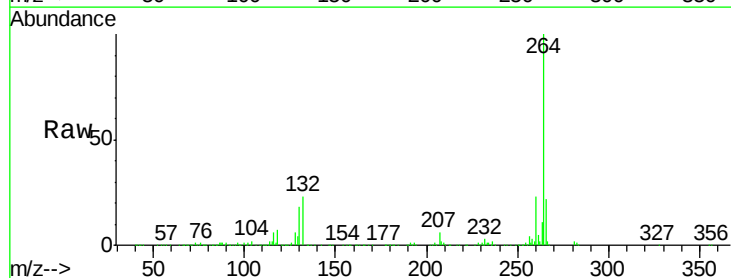


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.60 min Scan# 3560  
 Delta R.T. -0.01 min  
 Lab File: BG016163.D  
 Acq: 27 Mar 2015 5:38

Tgt Ion:264 Resp: 317401  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 18.4 27.6  
 265 21.7 17.3 25.9



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

