

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052215\  
 Data File : BG017271.D  
 Acq On : 23 May 2015 7:57  
 Operator : TP/IZ  
 Sample : G2353-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VE1-4

Quant Time: May 25 08:17:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 25 08:11:45 2015  
 Response via : Initial Calibration

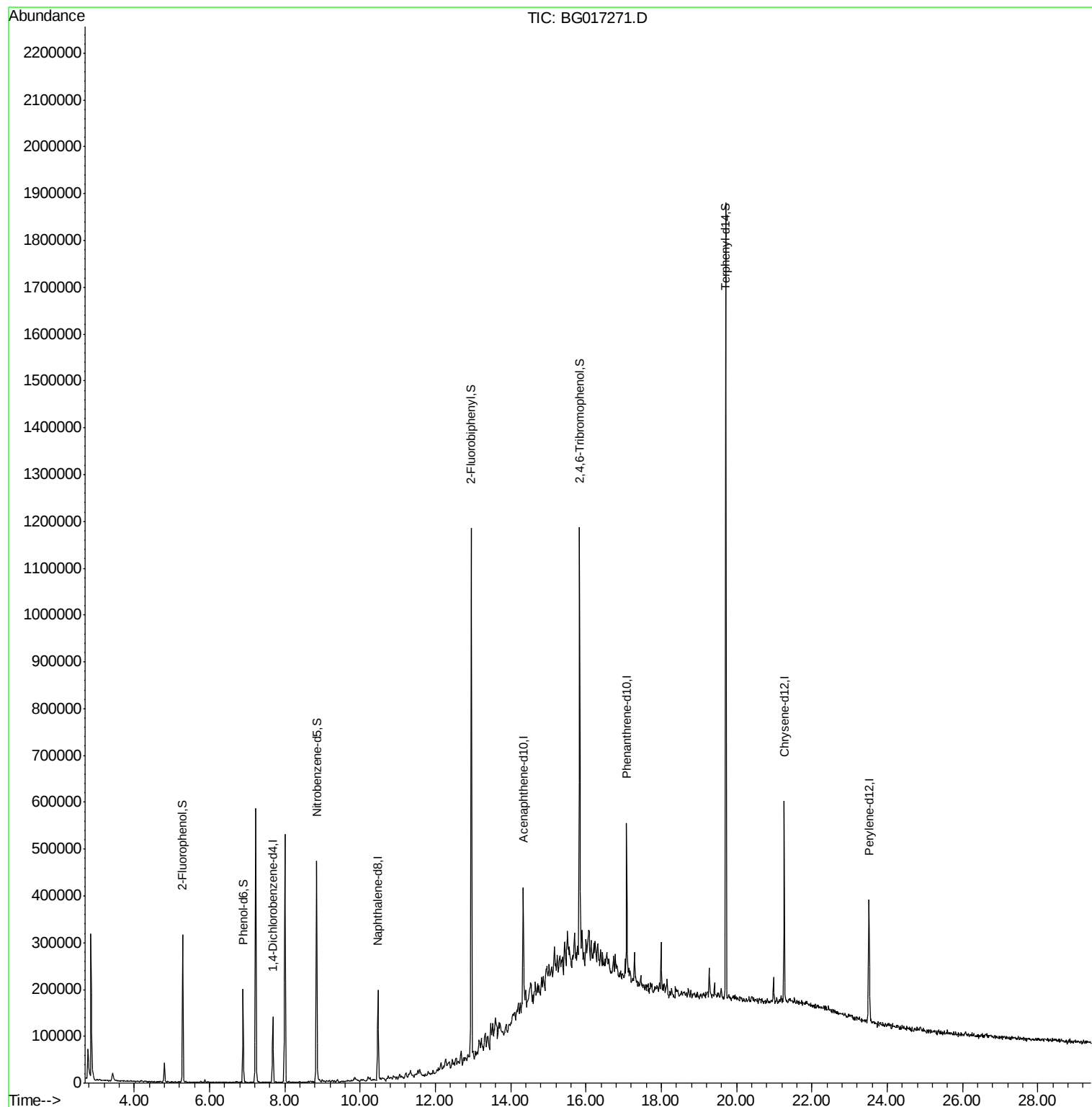
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 32302    | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.47 | 136  | 135776   | 20.00     | ng       | 0.00     |
| 38) Acenaphthene-d10        | 14.33 | 164  | 80446    | 20.00     | ng       | 0.00     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 167224   | 20.00     | ng       | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 184650   | 20.00     | ng       | 0.00     |
| 86) Perylene-d12            | 23.52 | 264  | 185259   | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 111118   | 61.03     | ng       | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 90499    | 35.42     | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 250552   | 86.15     | ng       | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.84 | 330  | 131447   | 135.17    | ng       | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 492937   | 89.91     | ng       | 0.00     |
| 78) Terphenyl-d14           | 19.71 | 244  | 618191   | 69.77     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 9) Benzaldehyde             | 6.89  | 77   | 172      | Below Cal | Qvalue # | 6        |

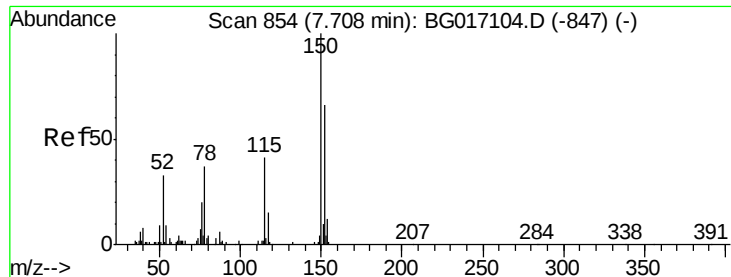
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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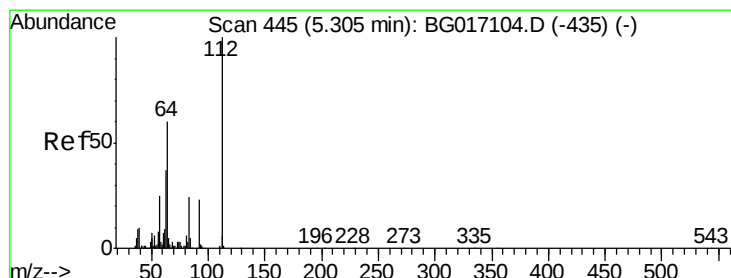
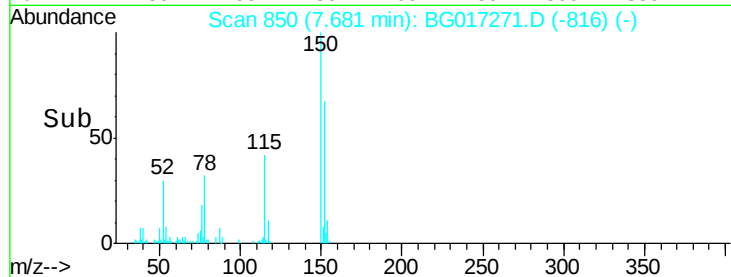
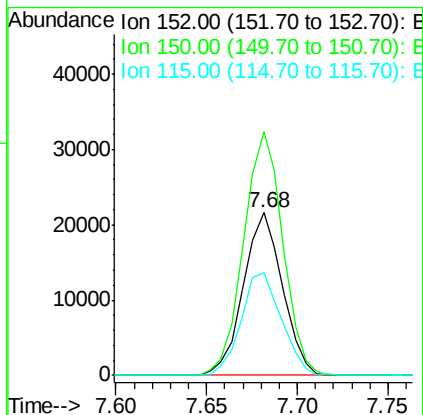
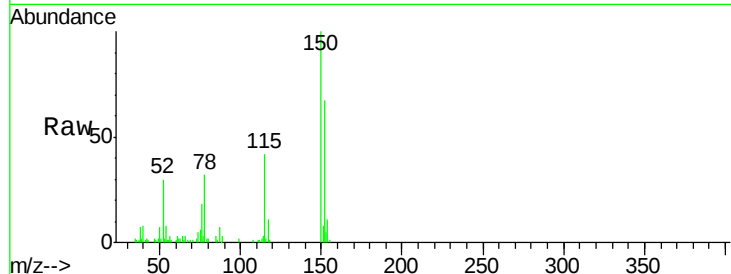


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.68 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BG017271.D  
Acq: 23 May 2015 7:57

Instrument :  
BNA\_G  
ClientSampleId :  
VE1-4

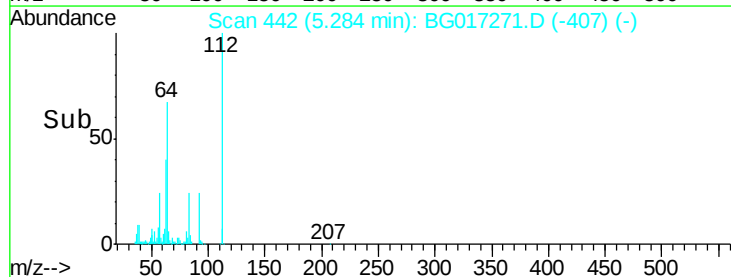
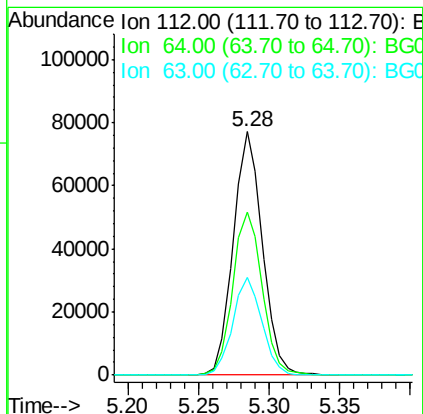
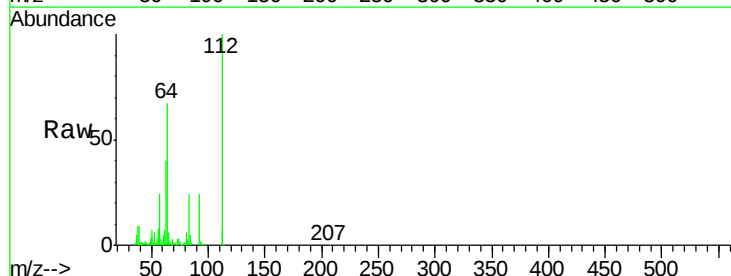
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.9 | 120.8 | 181.2 |
| 115     | 63.0  | 49.4  | 74.2  |

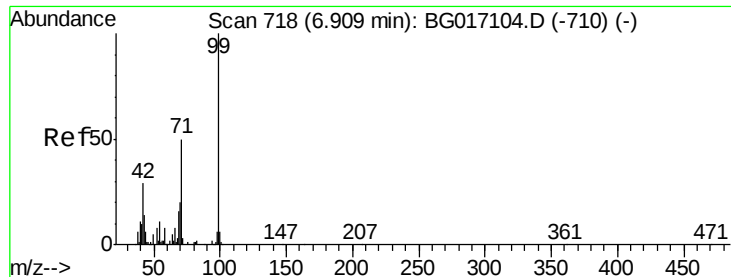


#5

2-Fluorophenol  
Concen: 61.03 ng  
RT: 5.28 min Scan# 442  
Delta R.T. 0.01 min  
Lab File: BG017271.D  
Acq: 23 May 2015 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.1  | 48.1  | 72.1  |
| 63      | 40.0  | 29.8  | 44.8  |





#7

Phenol-d6

Concen: 35.42 ng

RT: 6.89 min Scan# 715

Delta R.T. 0.01 min

Lab File: BG017271.D

Acq: 23 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

VE1-4

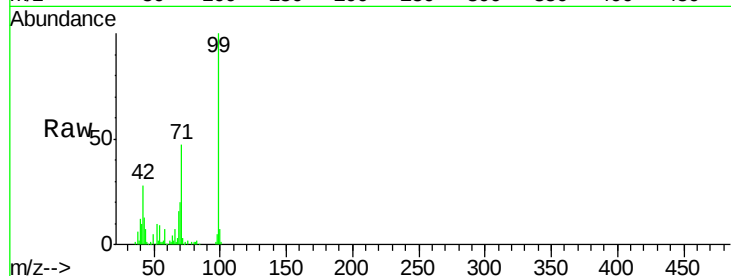
Tgt Ion: 99 Resp: 90499

Ion Ratio Lower Upper

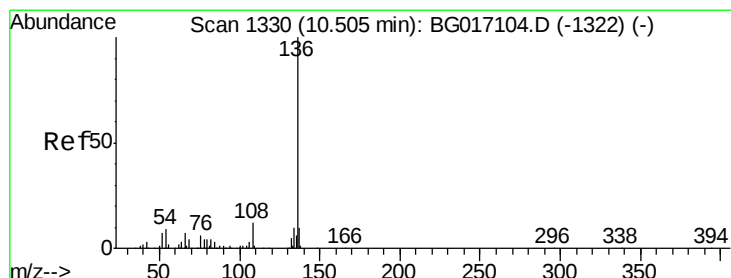
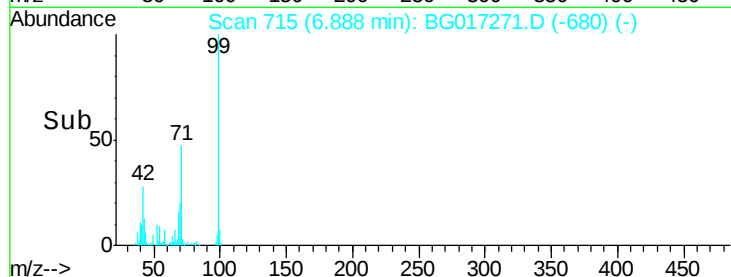
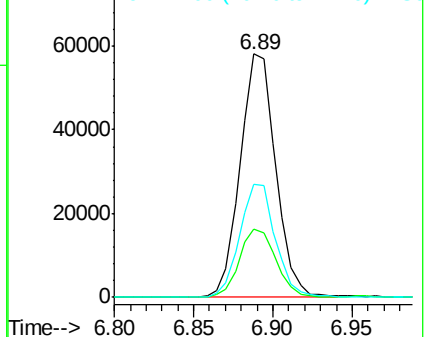
99 100

42 27.9 23.5 35.3

71 46.6 39.8 59.8



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: 10.47 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG017271.D

Acq: 23 May 2015 7:57

Tgt Ion: 136 Resp: 135776

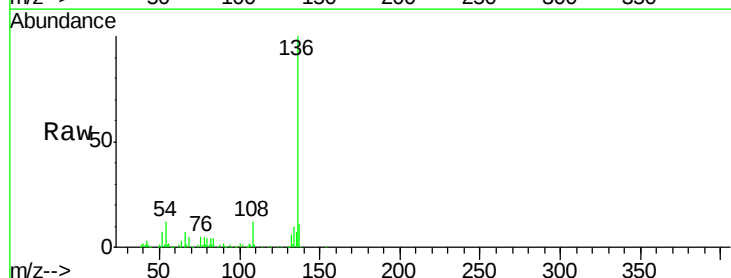
Ion Ratio Lower Upper

136 100

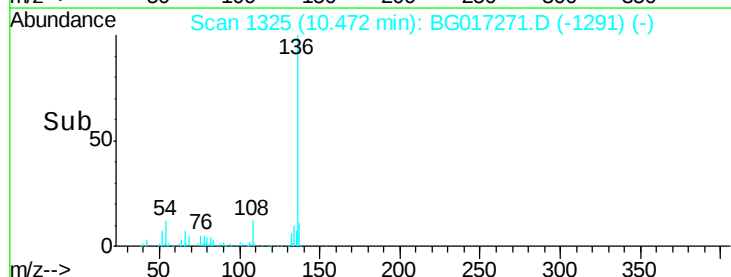
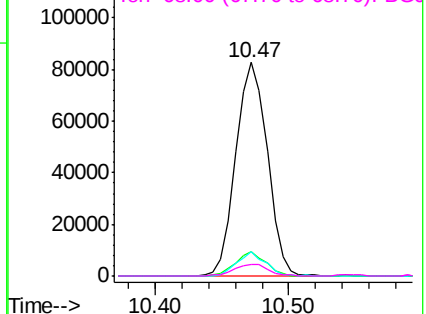
137 11.5 8.3 12.5

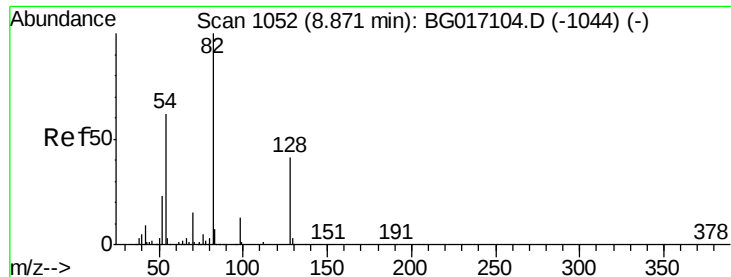
54 11.6 7.4 11.2#

68 5.1 3.6 5.4



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: 86.15 ng

RT: 8.84 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BG017271.D

Acq: 23 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

VE1-4

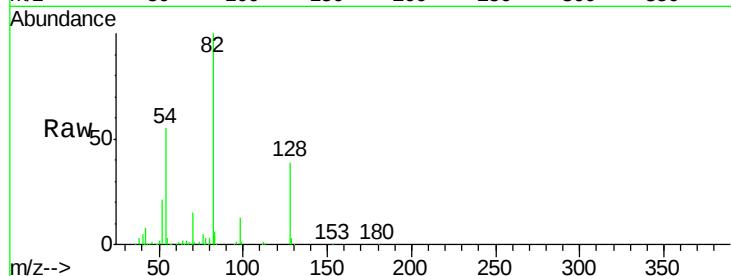
Tgt Ion: 82 Resp: 250552

Ion Ratio Lower Upper

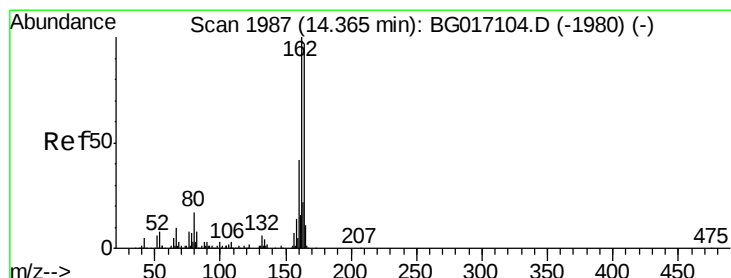
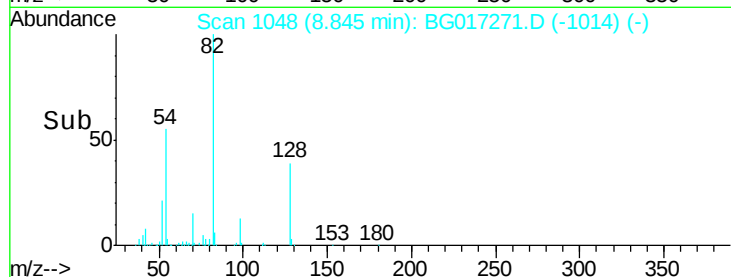
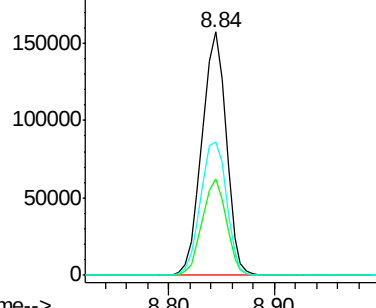
82 100

128 39.4 32.6 49.0

54 55.0 49.6 74.4



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: 14.33 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BG017271.D

Acq: 23 May 2015 7:57

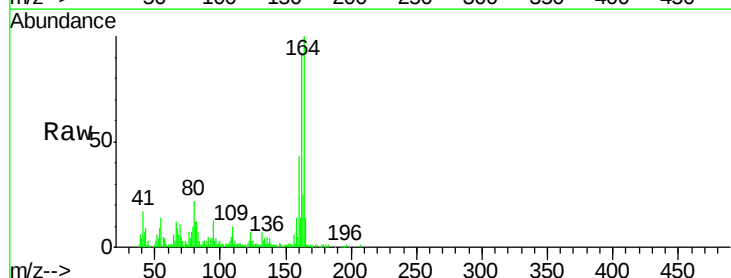
Tgt Ion: 164 Resp: 80446

Ion Ratio Lower Upper

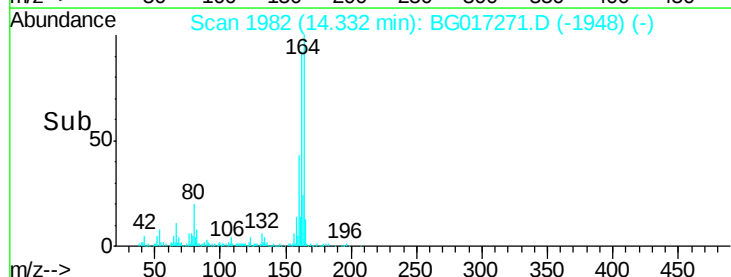
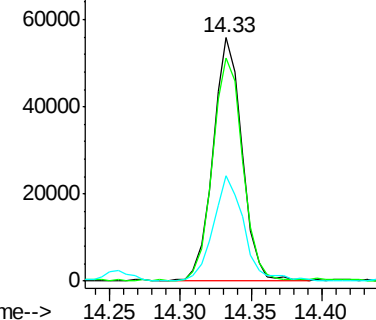
164 100

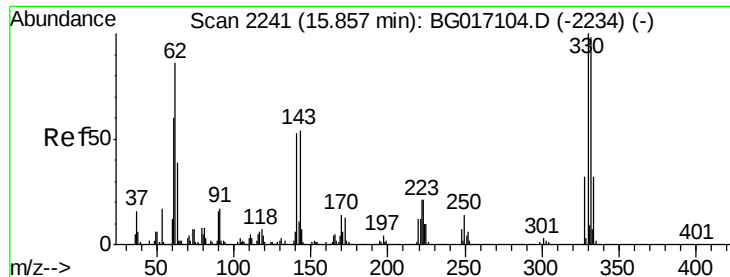
162 91.9 82.1 123.1

160 43.2 34.8 52.2



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

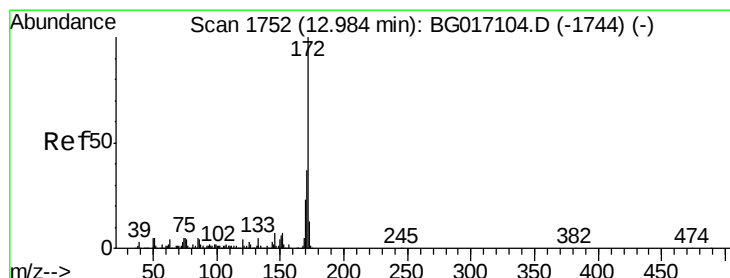
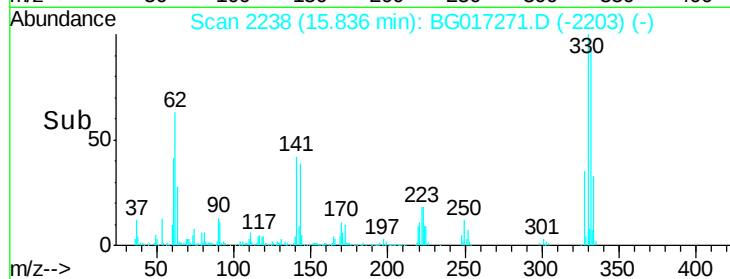
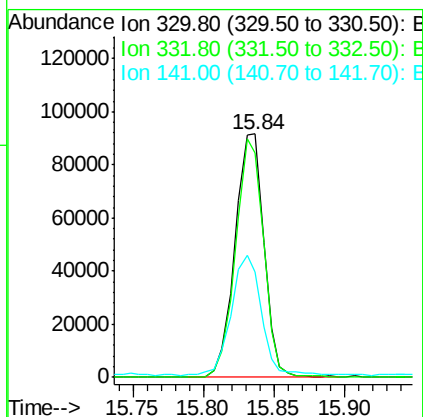
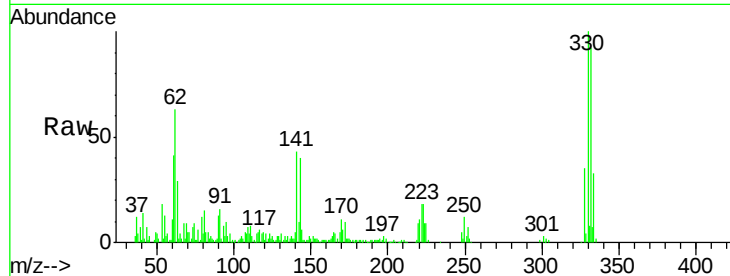




#41  
 2,4,6-Tribromophenol  
 Concen: 135.17 ng  
 RT: 15.84 min Scan# 2238  
 Delta R.T. 0.01 min  
 Lab File: BG017271.D  
 Acq: 23 May 2015 7:57

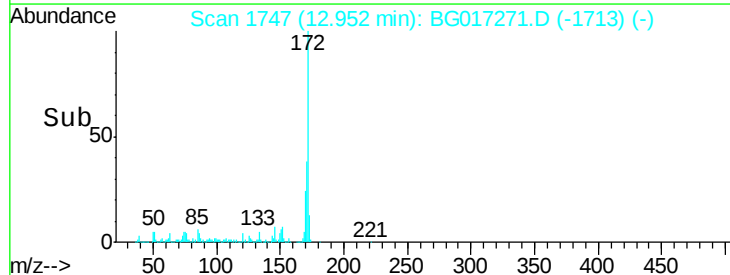
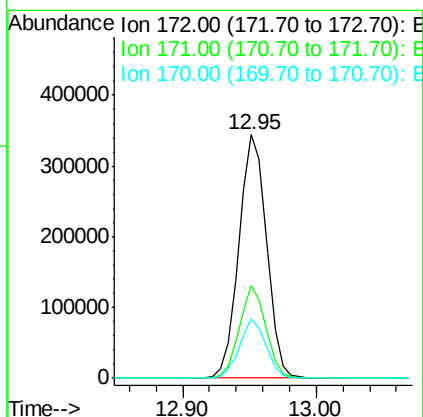
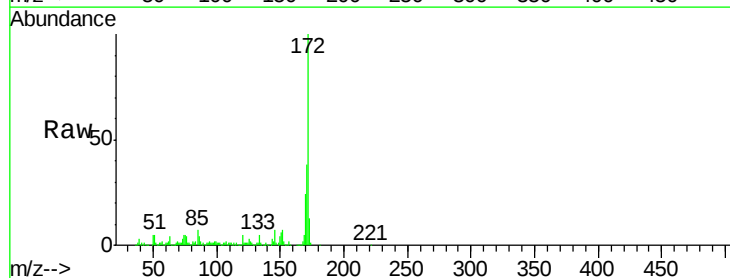
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VE1-4

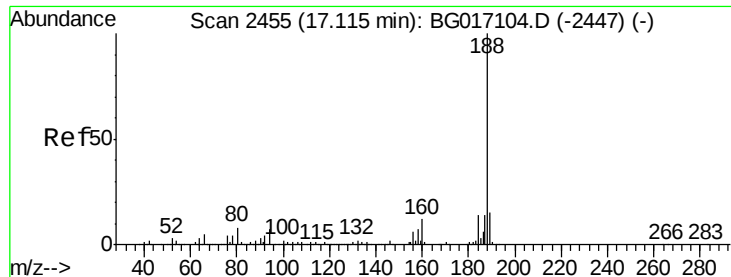
Tgt Ion: 330 Resp: 131447  
 Ion Ratio Lower Upper  
 330 100  
 332 95.0 76.9 115.3  
 141 51.7 42.2 63.2



#44  
 2-Fluorobiphenyl  
 Concen: 89.91 ng  
 RT: 12.95 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: BG017271.D  
 Acq: 23 May 2015 7:57

Tgt Ion: 172 Resp: 492937  
 Ion Ratio Lower Upper  
 172 100  
 171 38.2 29.7 44.5  
 170 24.2 18.4 27.6

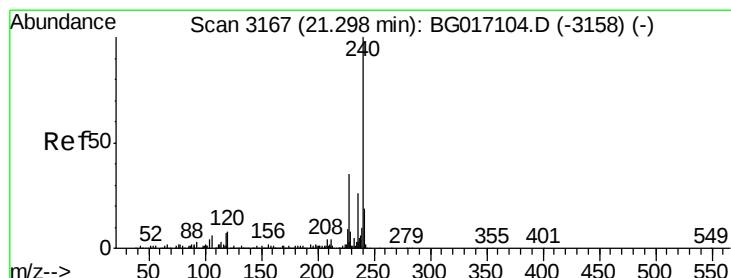
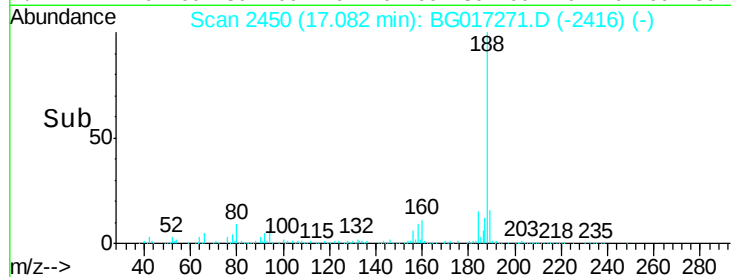
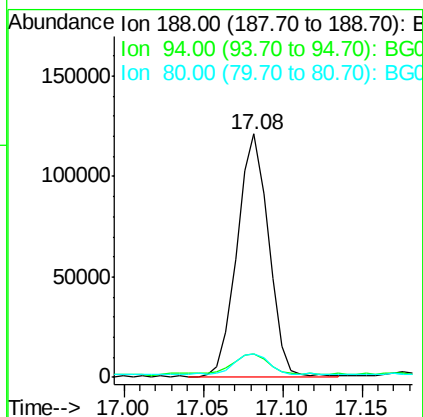
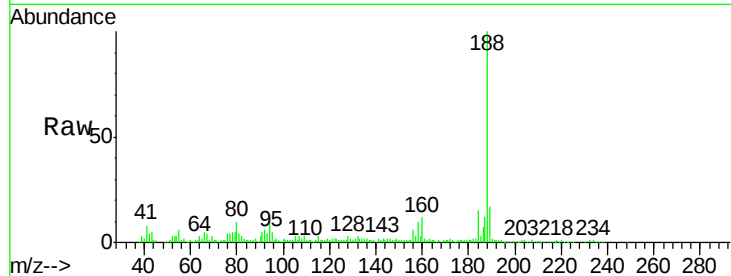




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.08 min Scan# 2450  
Delta R.T. 0.00 min  
Lab File: BG017271.D  
Acq: 23 May 2015 7:57

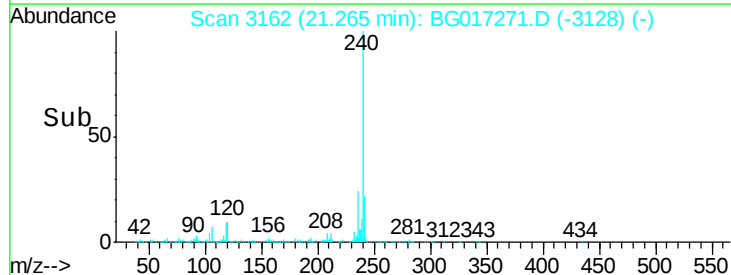
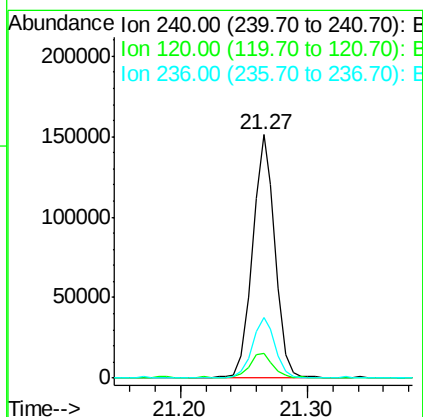
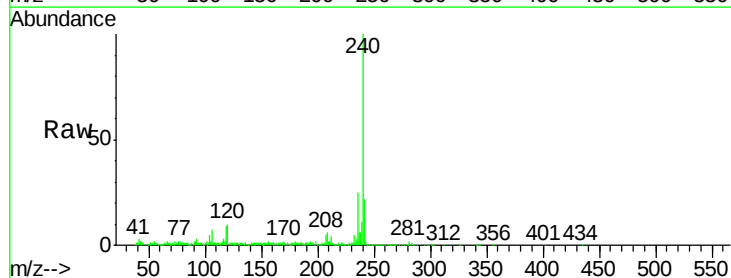
Instrument :  
BNA\_G  
ClientSampleId :  
VE1-4

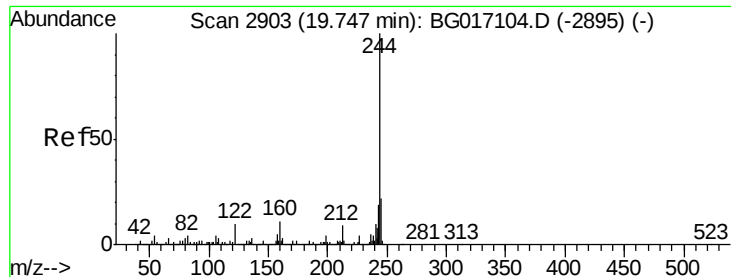
Tgt Ion:188 Resp: 167224  
Ion Ratio Lower Upper  
188 100  
94 9.9 5.8 8.6#  
80 9.7 6.5 9.7



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.27 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: BG017271.D  
Acq: 23 May 2015 7:57

Tgt Ion:240 Resp: 184650  
Ion Ratio Lower Upper  
240 100  
120 10.4 6.0 9.0#  
236 24.7 20.5 30.7





#78

Terphenyl-d14

Concen: 69.77 ng

RT: 19.71 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG017271.D

Acq: 23 May 2015 7:57

Instrument :

BNA\_G

ClientSampleId :

VE1-4

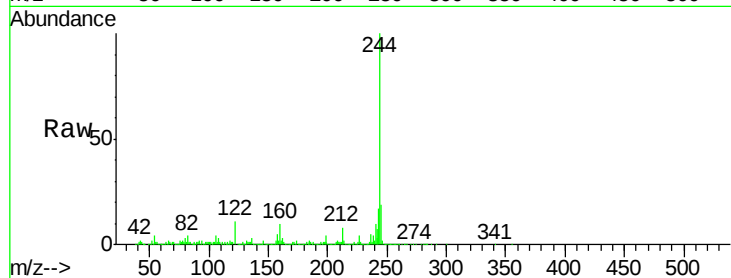
Tgt Ion:244 Resp: 618191

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

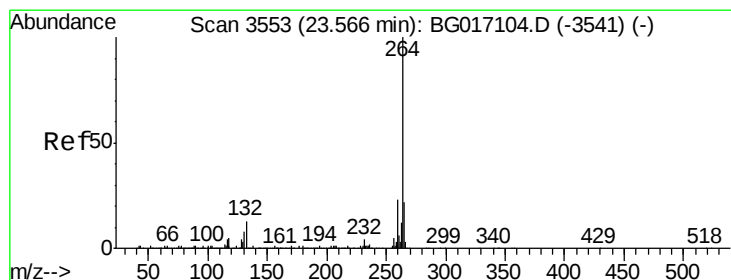
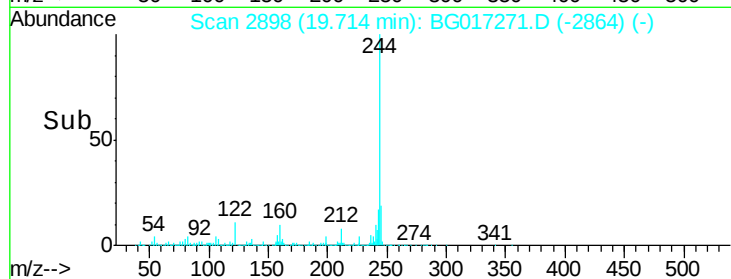
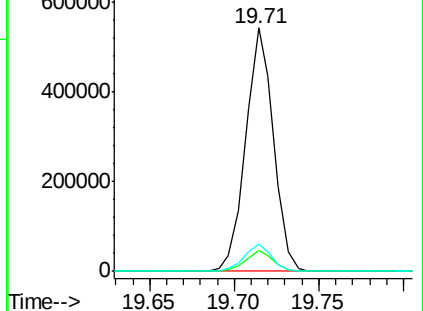
122 11.3 8.4 12.6



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: 23.52 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BG017271.D

Acq: 23 May 2015 7:57

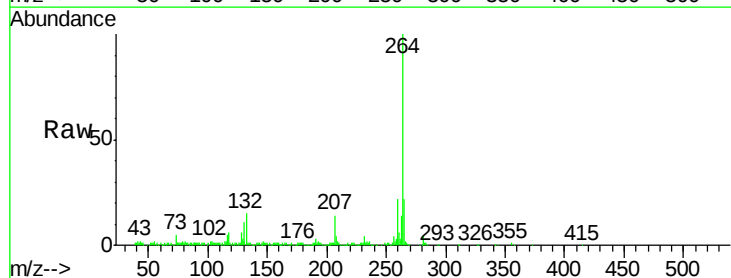
Tgt Ion:264 Resp: 185259

Ion Ratio Lower Upper

264 100

260 21.6 18.0 27.0

265 21.7 17.4 26.0



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

