

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\  
 Data File : BG022704.D  
 Acq On : 29 Jun 2016 21:59  
 Operator : UM/SJ  
 Sample : H3790-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BAG-17

Quant Time: Jun 30 04:50:53 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 20:14:59 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 98638    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.99 | 136  | 439646   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 365333   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 1073887  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.84 | 240  | 1213359  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.19 | 264  | 1271296  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 739740   | 120.29 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 1074418  | 123.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 821686   | 79.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 849415   | 147.82 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1817092  | 78.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 3139584  | 68.55  | ng    | 0.00     |

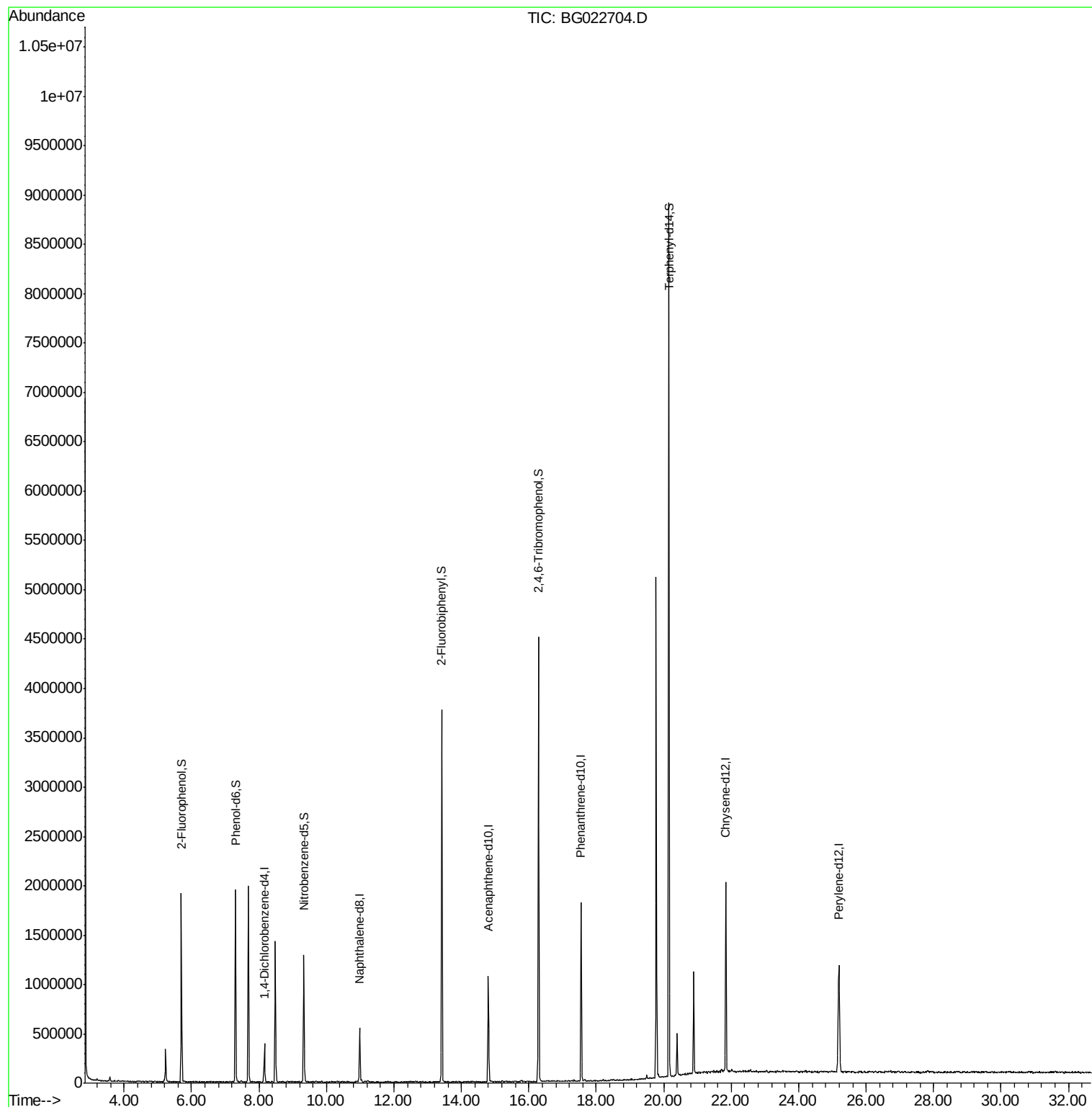
Target Compounds Qvalue

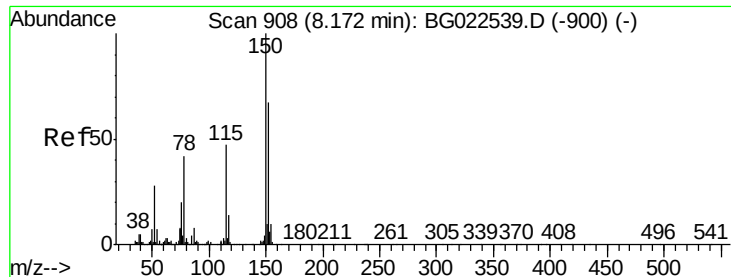
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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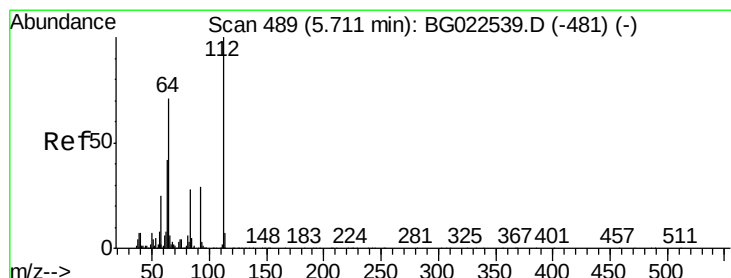
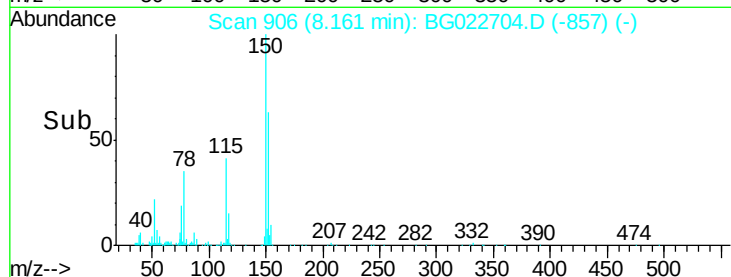
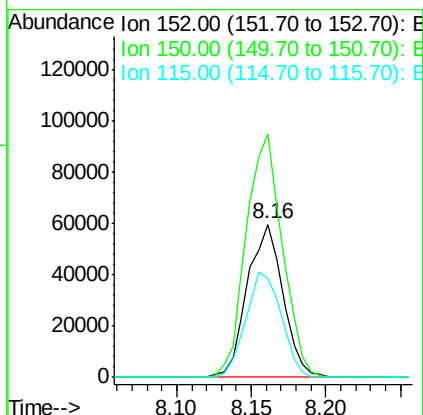
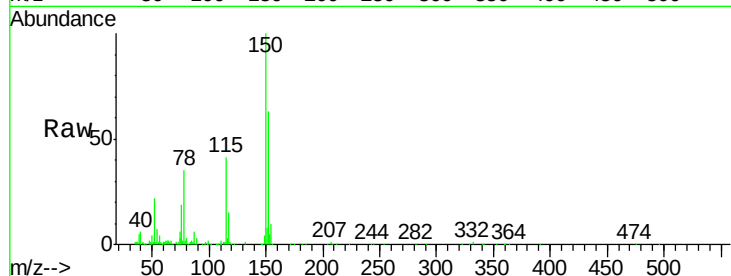


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.16 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BG022704.D  
Acq: 29 Jun 2016 21:59

Instrument :  
BNA\_G  
ClientSampleId :  
BAG-17

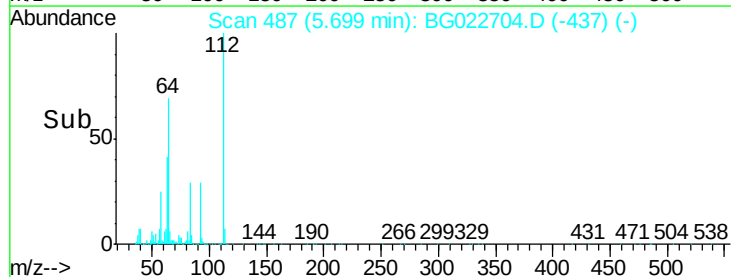
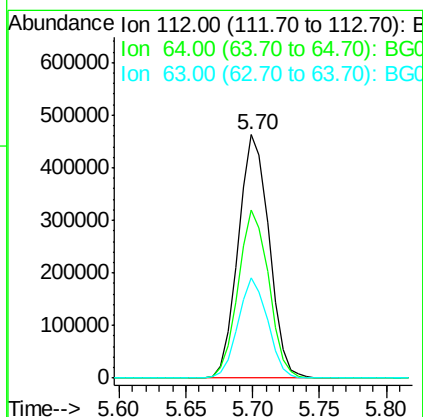
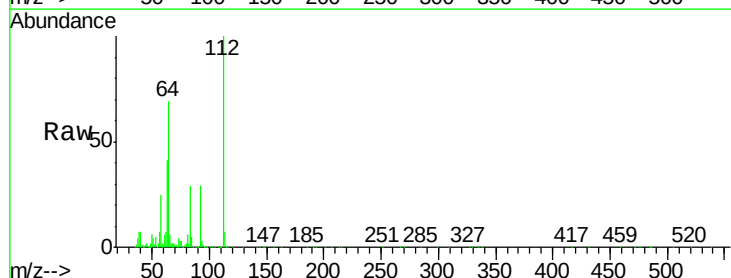
Tot Ion:152 Resp: 98638  
Ion Ratio Lower Upper  
152 100  
150 158.8 144.7 217.1  
115 64.9 64.0 96.0

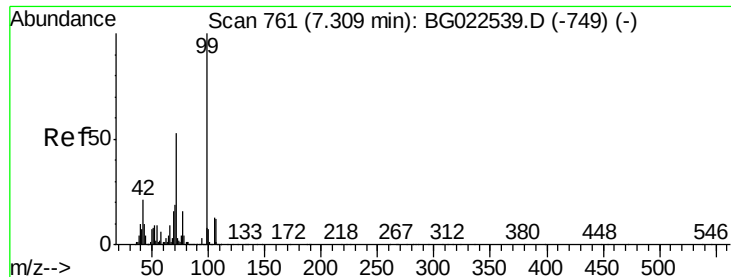


#5

2-Fluorophenol  
Concen: 120.29 ng  
RT: 5.70 min Scan# 487  
Delta R.T. -0.01 min  
Lab File: BG022704.D  
Acq: 29 Jun 2016 21:59

Tgt Ion:112 Resp: 739740  
Ion Ratio Lower Upper  
112 100  
64 69.1 59.0 88.4  
63 41.3 37.8 56.8





#7

Phenol-d6

Concen: 123.95 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA\_G

ClientSampleId :

BAG-17

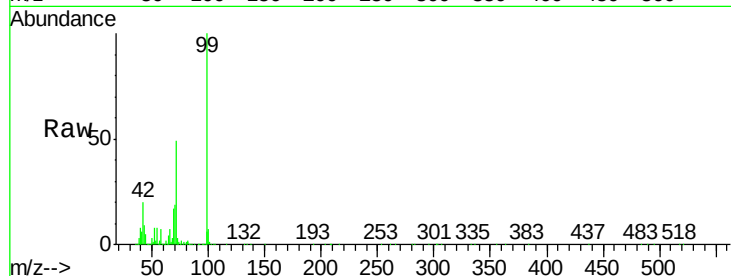
Tot Ion: 99 Resp: 1074418

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.9  | 17.8  | 26.6  |
| 71  | 49.1  | 41.5  | 62.3  |

99 100

42 19.9 17.8 26.6

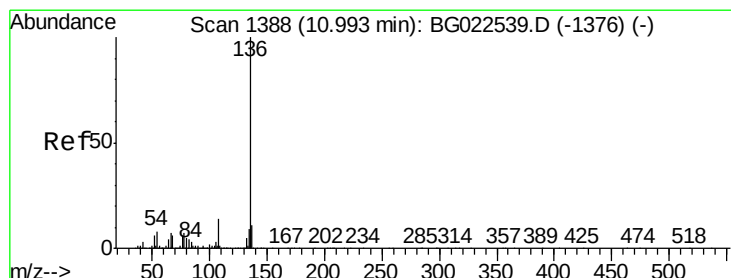
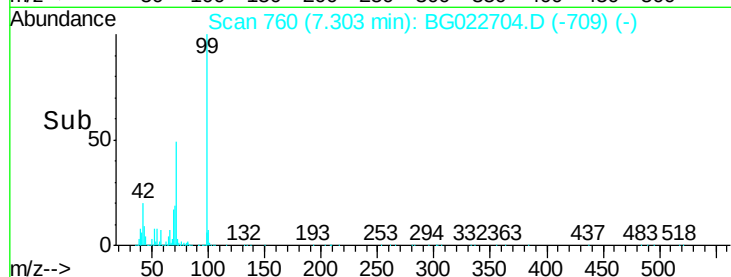
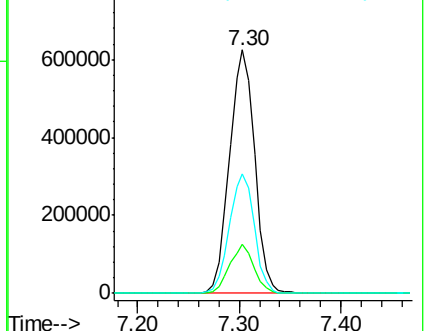
71 49.1 41.5 62.3



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: 10.99 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Tgt Ion: 136 Resp: 439646

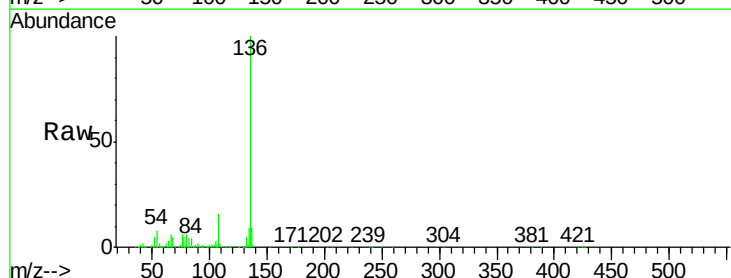
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 8.6   | 9.6   | 14.4# |
| 54  | 7.7   | 7.3   | 10.9  |
| 68  | 4.5   | 5.3   | 7.9#  |

136 100

137 8.6 9.6 14.4#

54 7.7 7.3 10.9

68 4.5 5.3 7.9#

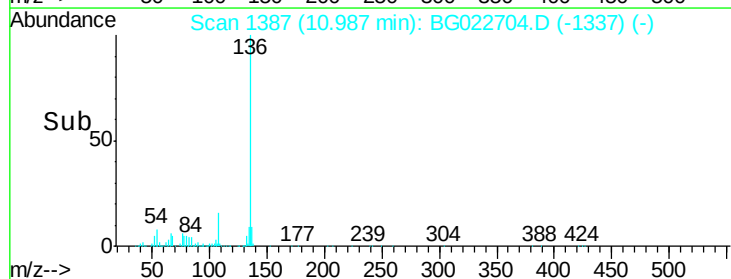
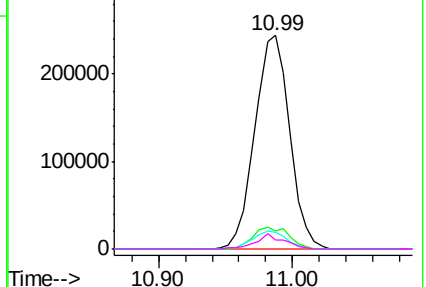


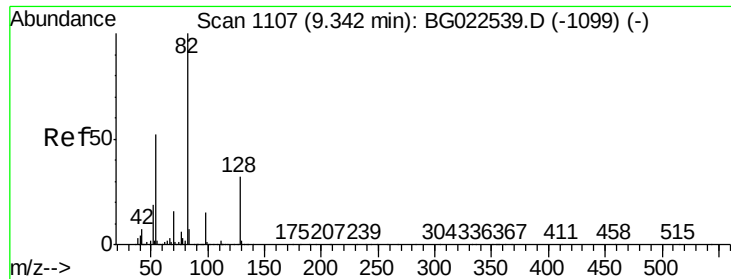
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

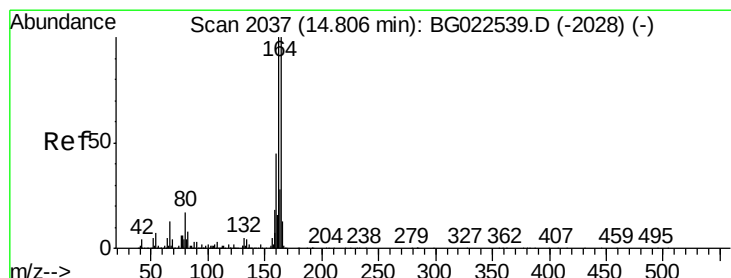
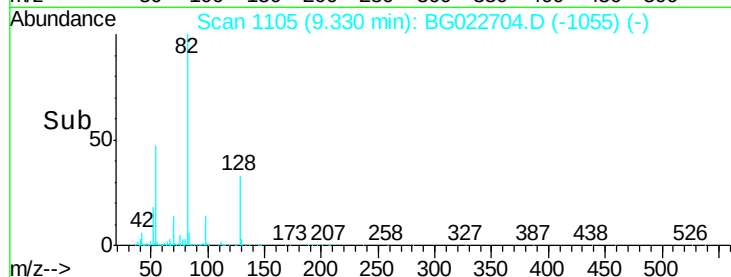
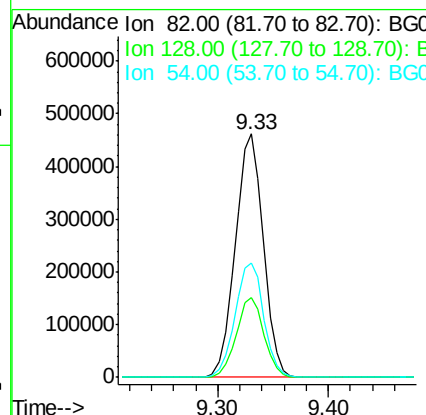
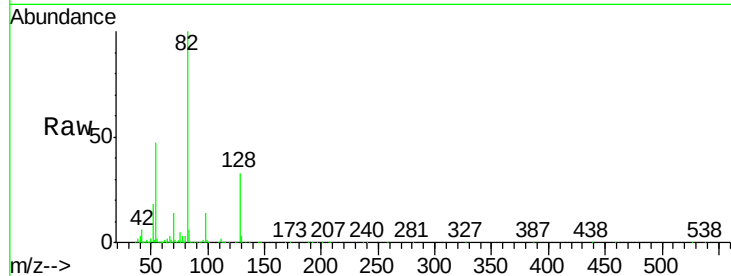




#23  
Nitrobenzene-d5  
Concen: 79.10 ng  
RT: 9.33 min Scan# 1105  
Delta R.T. -0.01 min  
Lab File: BG022704.D  
Acq: 29 Jun 2016 21:59

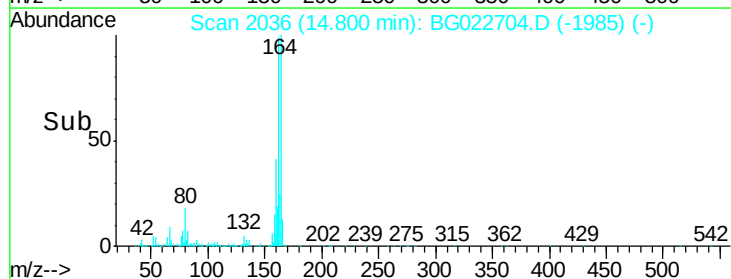
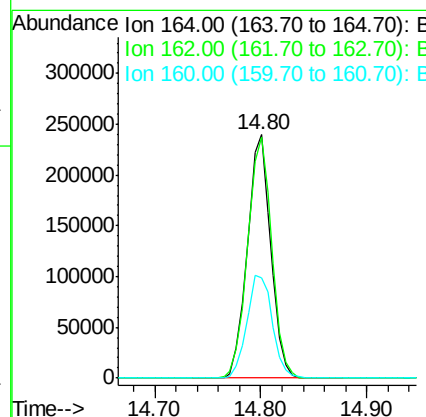
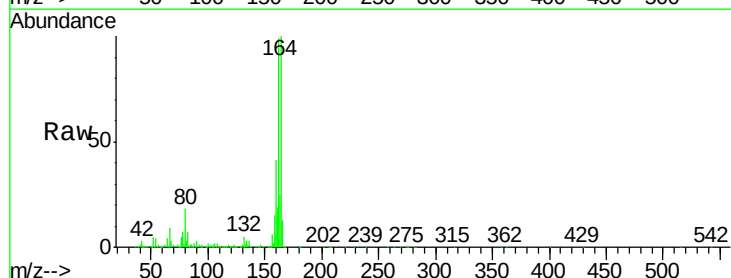
Instrument :  
BNA\_G  
ClientSampleId :  
BAG-17

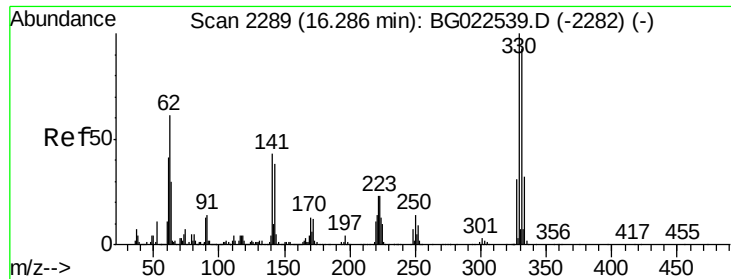
| Tot Ion   | 82    | Resp  | 821686 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.0  | 24.4  | 36.6   |
| 54        | 47.2  | 41.4  | 62.0   |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.80 min Scan# 2036  
Delta R.T. -0.00 min  
Lab File: BG022704.D  
Acq: 29 Jun 2016 21:59

| Tgt Ion   | 164   | Resp  | 365333 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 98.8  | 87.7  | 131.5  |
| 160       | 41.4  | 37.2  | 55.8   |

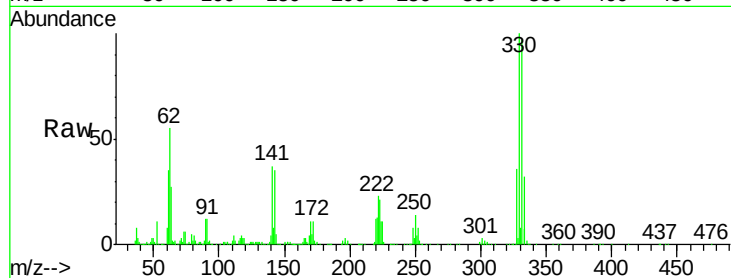




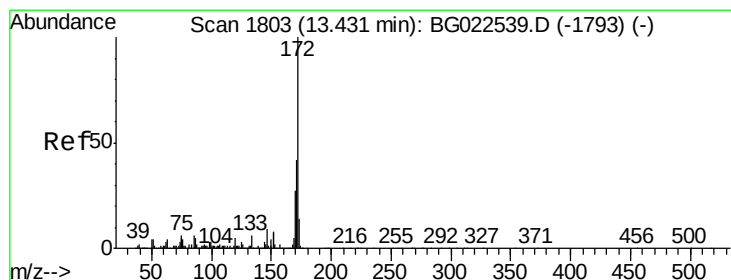
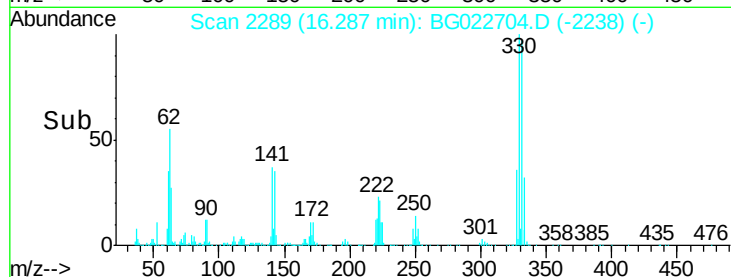
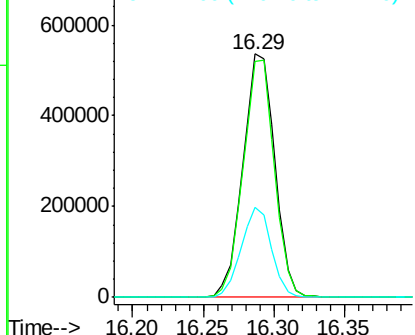
#41  
 2,4,6-Tribromophenol  
 Concen: 147.82 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. -0.00 min  
 Lab File: BG022704.D  
 Acq: 29 Jun 2016 21:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BAG-17

Tot Ion:330 Resp: 849415  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.4 116.2  
 141 35.2 31.7 47.5

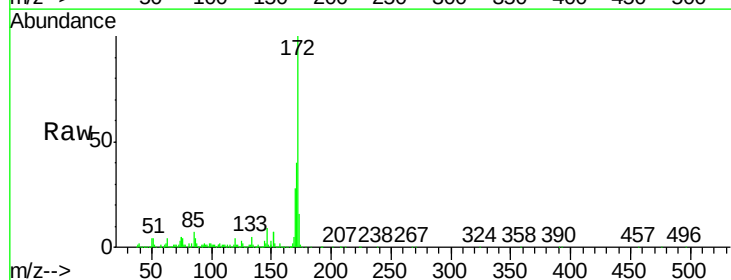


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

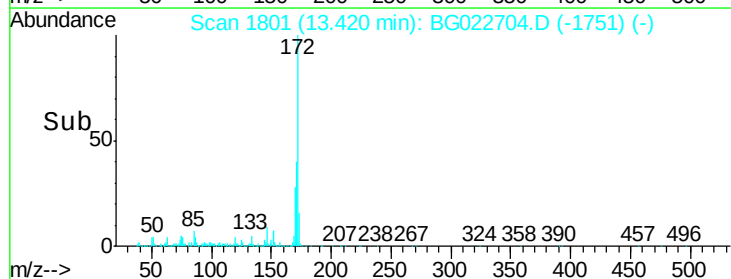
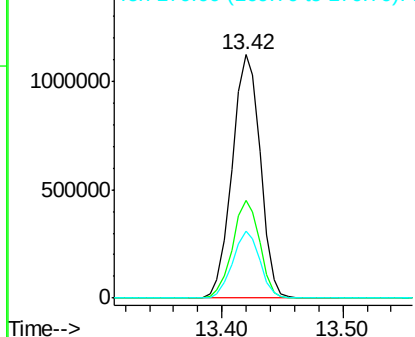


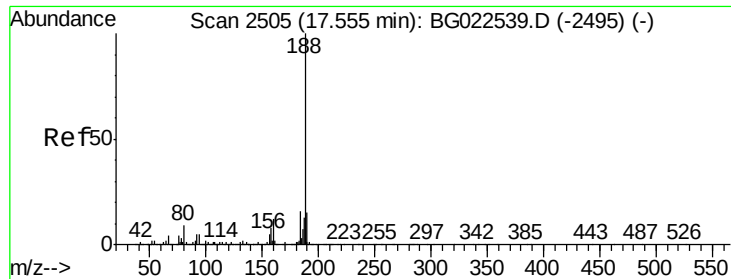
#44  
 2-Fluorobiphenyl  
 Concen: 78.88 ng  
 RT: 13.42 min Scan# 1801  
 Delta R.T. -0.01 min  
 Lab File: BG022704.D  
 Acq: 29 Jun 2016 21:59

Tgt Ion:172 Resp: 1817092  
 Ion Ratio Lower Upper  
 172 100  
 171 40.2 31.6 47.4  
 170 27.8 21.3 31.9



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

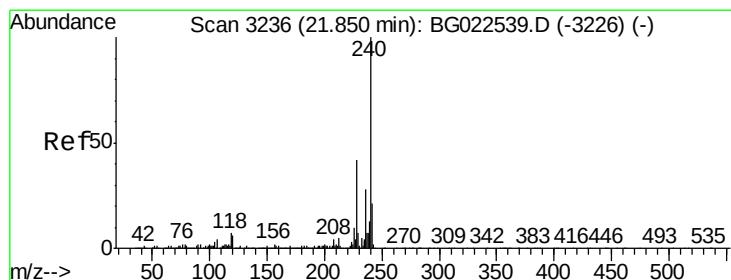
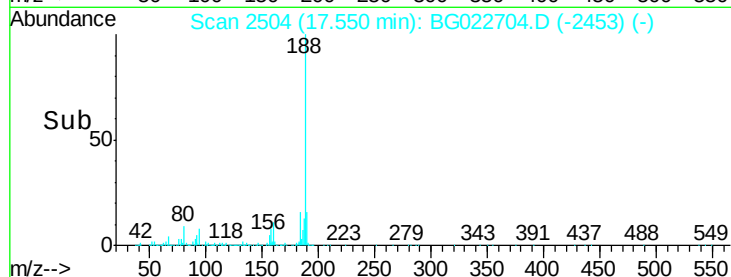
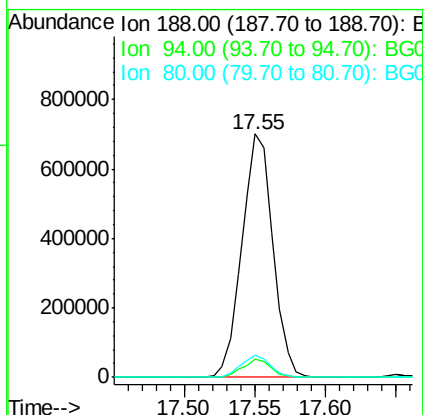
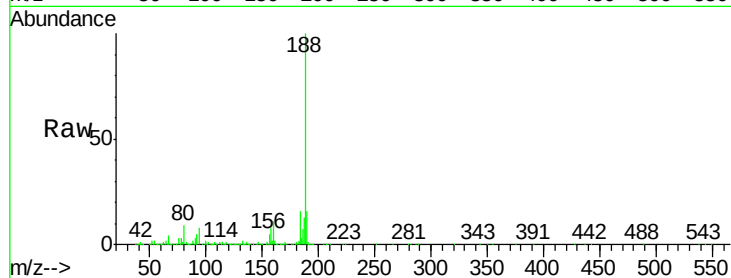




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: BG022704.D  
Acq: 29 Jun 2016 21:59

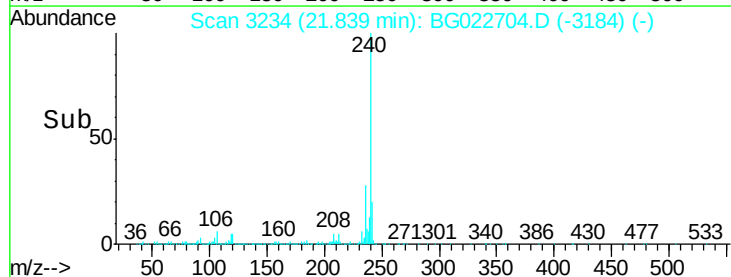
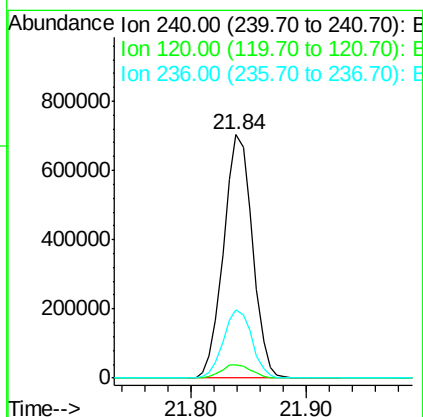
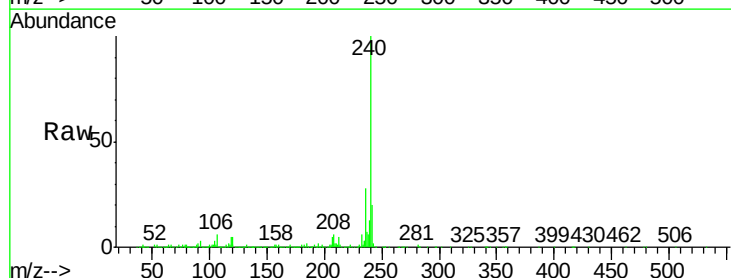
Instrument :  
BNA\_G  
ClientSampleId :  
BAG-17

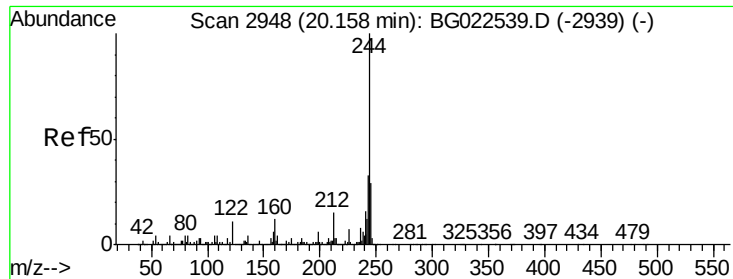
Tot Ion:188 Resp: 1073887  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.2 7.8  
80 8.9 7.2 10.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.84 min Scan# 3234  
Delta R.T. -0.01 min  
Lab File: BG022704.D  
Acq: 29 Jun 2016 21:59

Tgt Ion:240 Resp: 1213359  
Ion Ratio Lower Upper  
240 100  
120 5.5 4.1 6.1  
236 28.2 21.1 31.7





#78

Terphenyl-d14

Concen: 68.55 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA\_G

ClientSampleId :

BAG-17

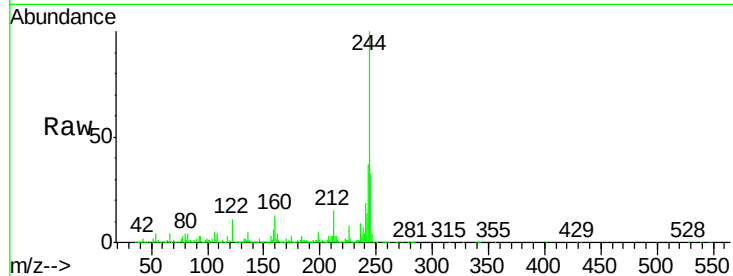
Tot Ion:244 Resp: 3139584

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 15.3  | 10.8  | 16.2  |
| 122 | 10.8  | 8.0   | 12.0  |

244 100

212 15.3 10.8 16.2

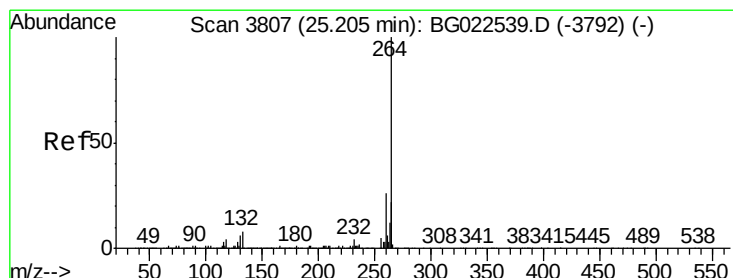
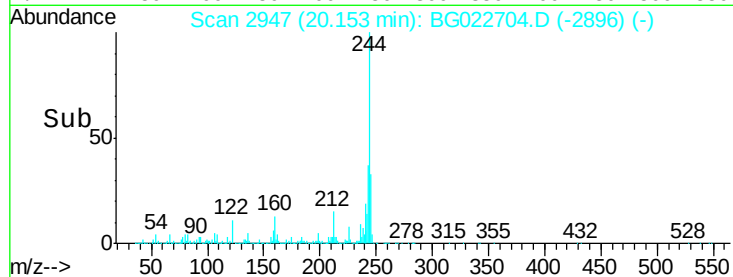
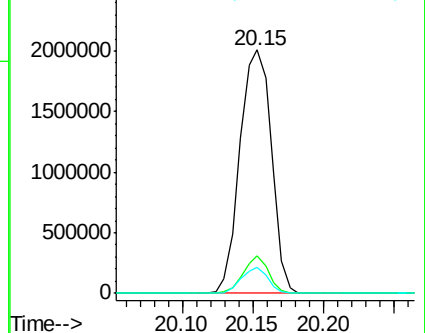
122 10.8 8.0 12.0



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: 25.19 min Scan# 3805

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

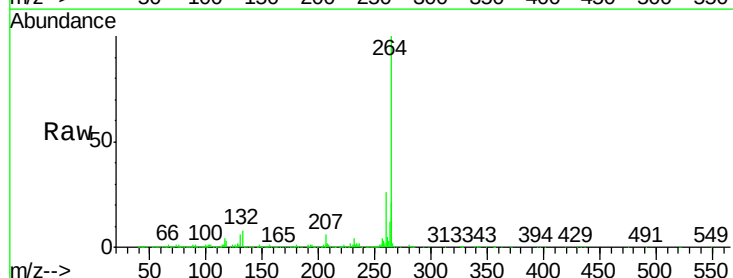
Tgt Ion:264 Resp: 1271296

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.8  | 18.4  | 27.6  |
| 265 | 21.3  | 18.9  | 28.3  |

264 100

260 25.8 18.4 27.6

265 21.3 18.9 28.3



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

