

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050815\  
 Data File : BG017015.D  
 Acq On : 10 May 2015 8:31  
 Operator : TP/IZ  
 Sample : G2139-02  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-B

Quant Time: May 11 01:30:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

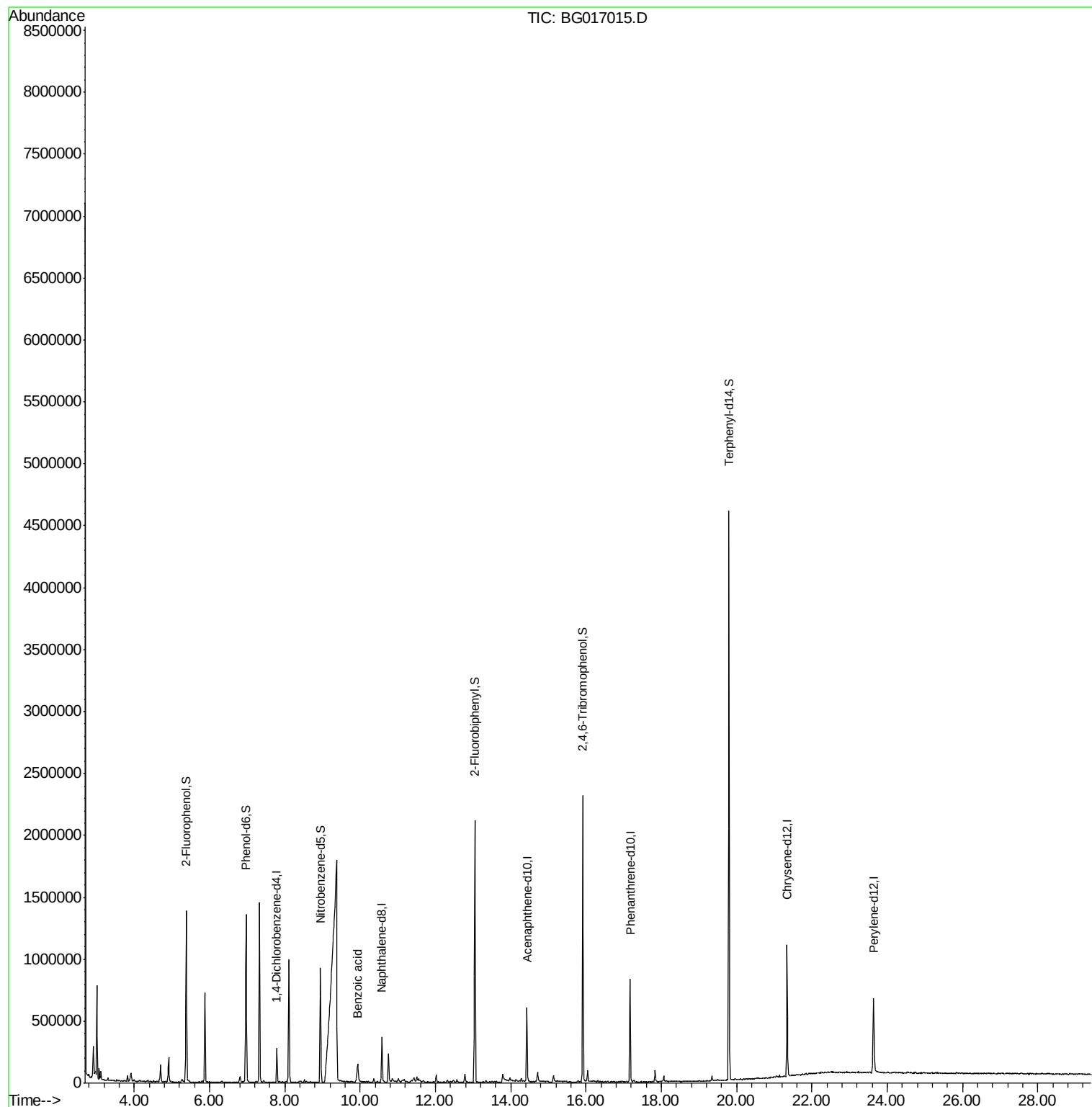
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 61846    | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 10.58 | 136  | 272433   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 14.43 | 164  | 188760   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 17.17 | 188  | 452568   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 21.34 | 240  | 462049   | 20.00  | ng    | -0.03        |
| 86) Perylene-d12            | 23.64 | 264  | 443399   | 20.00  | ng    | -0.04        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.38  | 112  | 477927   | 134.56 | ng    | 0.00         |
| 7) Phenol-d6                | 6.97  | 99   | 622382   | 122.65 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 473131   | 84.84  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 15.92 | 330  | 324554   | 171.27 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 982491   | 78.54  | ng    | -0.02        |
| 78) Terphenyl-d14           | 19.80 | 244  | 1733907  | 87.97  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 32) Benzoic acid            | 9.93  | 122  | 54764    | 25.93  | ng    | Qvalue<br>92 |

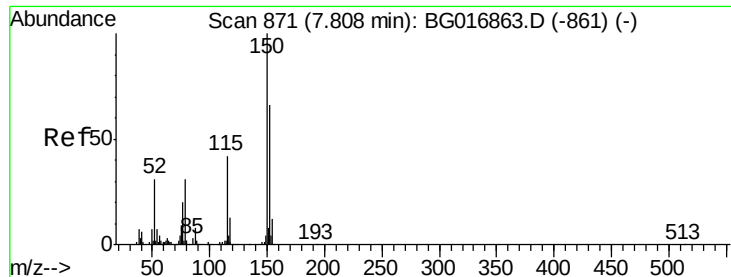
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 868

Delta R.T. -0.02 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

Instrument :

BNA\_G

ClientSampleId :

LAR9794-B

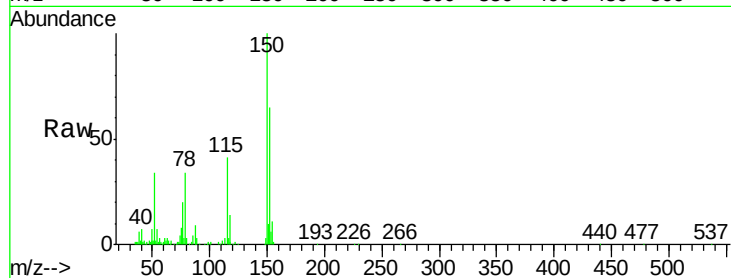
Tgt Ion:152 Resp: 61846

Ion Ratio Lower Upper

152 100

150 154.0 121.0 181.4

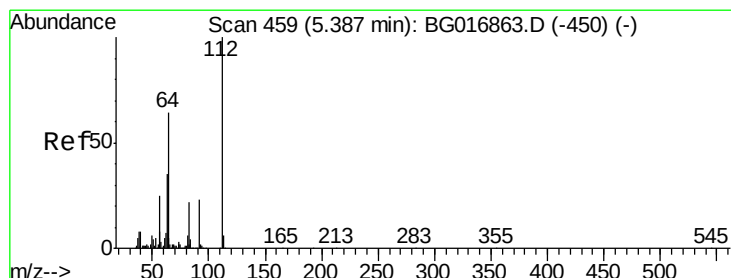
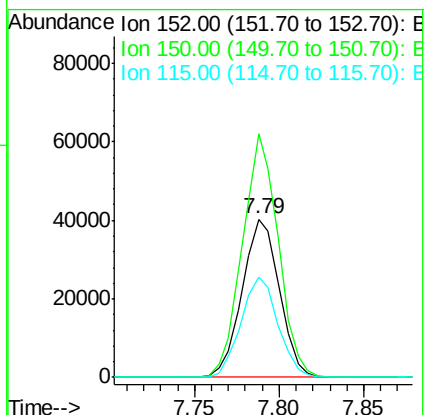
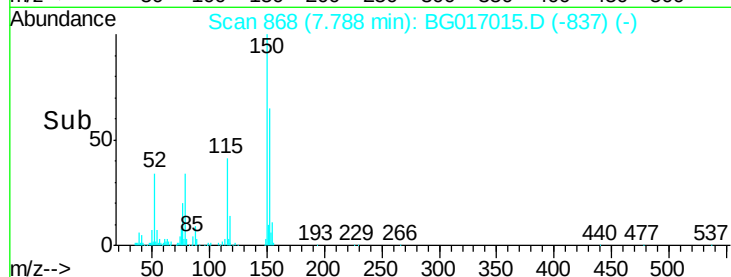
115 63.5 50.5 75.7



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: 134.56 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

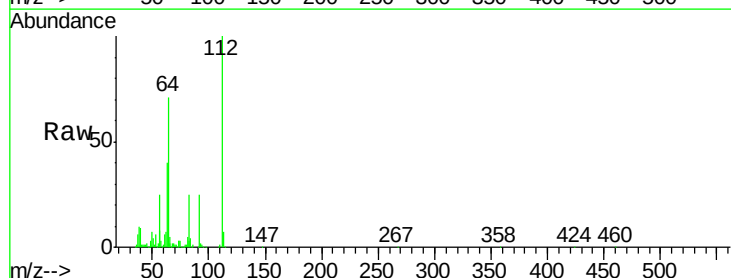
Tgt Ion:112 Resp: 477927

Ion Ratio Lower Upper

112 100

64 70.7 51.4 77.2

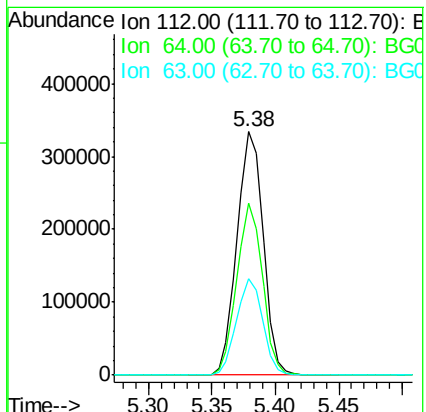
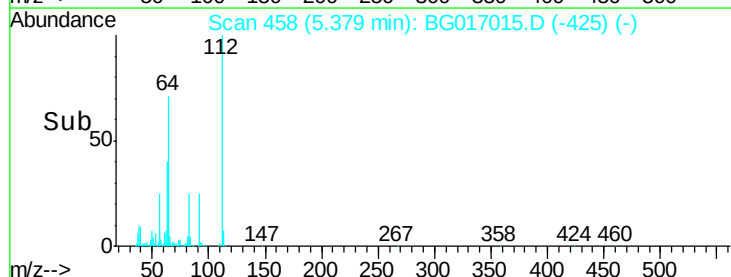
63 39.5 28.1 42.1

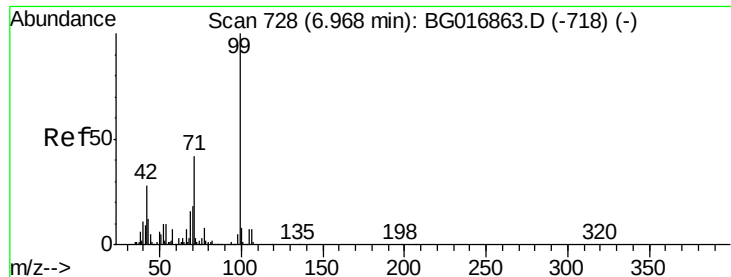


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.65 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.00 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

Instrument :

BNA\_G

ClientSampleId :

LAR9794-B

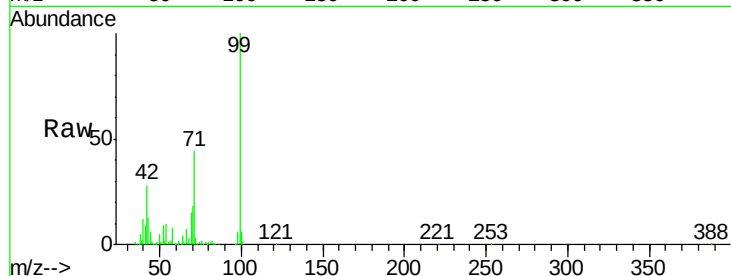
Tgt Ion: 99 Resp: 622382

Ion Ratio Lower Upper

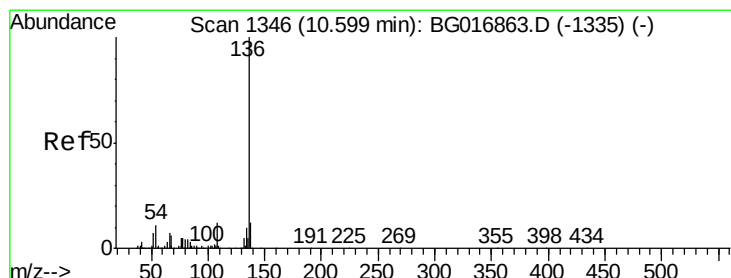
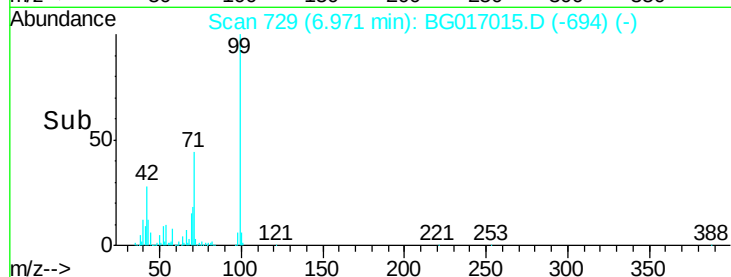
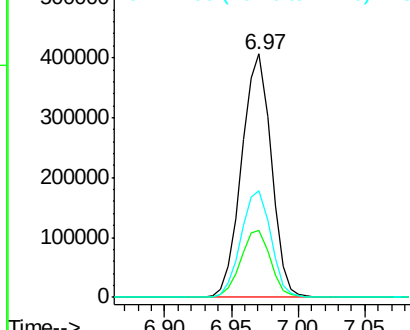
99 100

42 27.5 22.1 33.1

71 43.6 33.4 50.0



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: 10.58 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

Tgt Ion: 136 Resp: 272433

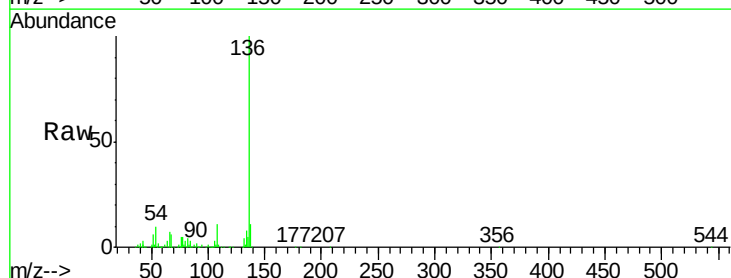
Ion Ratio Lower Upper

136 100

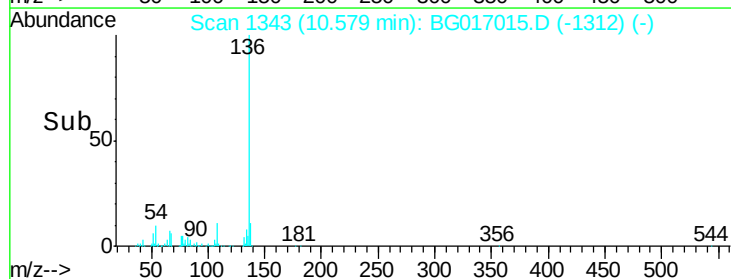
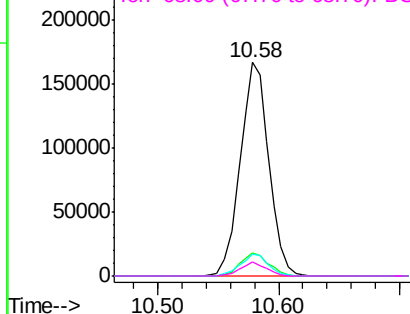
137 10.9 9.8 14.8

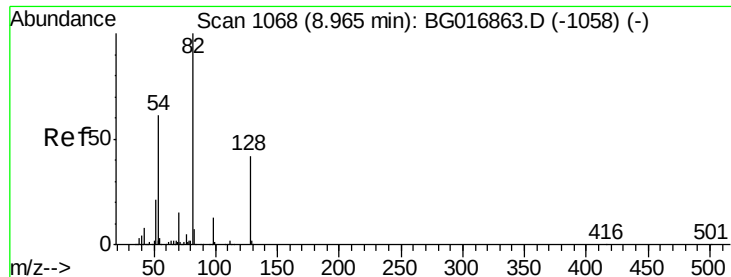
54 10.1 8.7 13.1

68 6.4 5.0 7.4



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

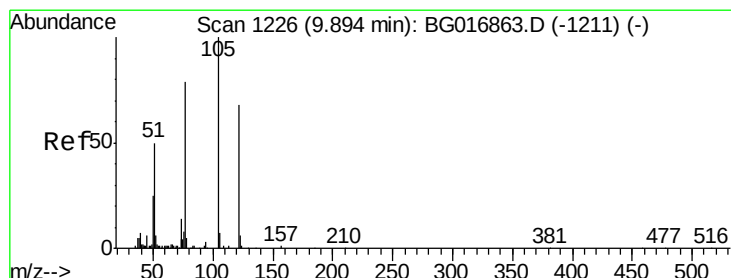
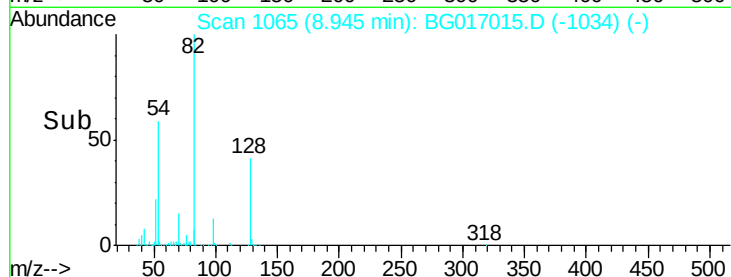
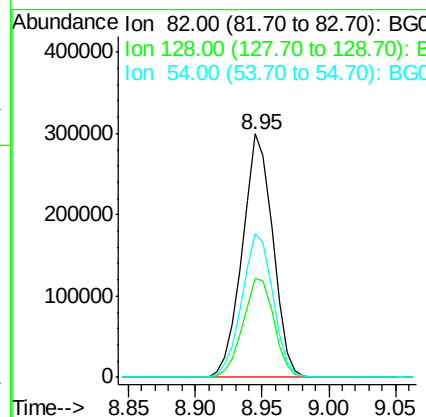
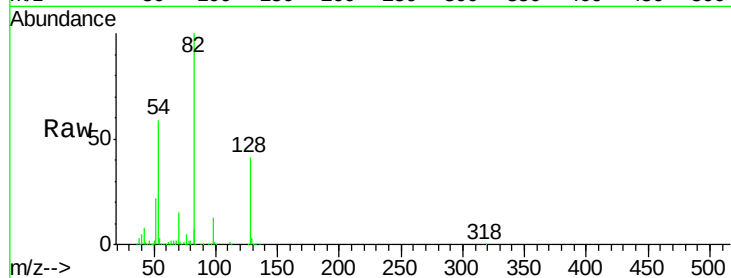




#23  
 Nitrobenzene-d5  
 Concen: 84.84 ng  
 RT: 8.95 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG017015.D  
 Acq: 10 May 2015 8:31

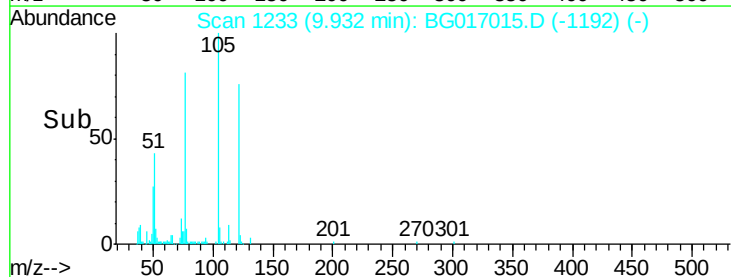
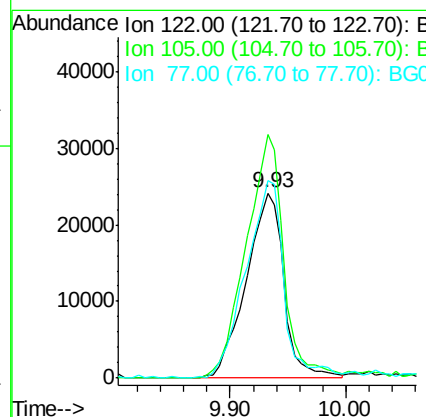
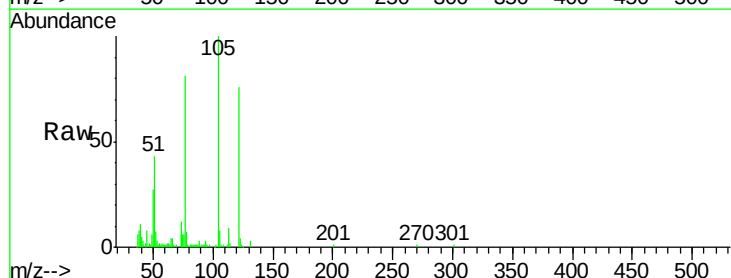
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-B

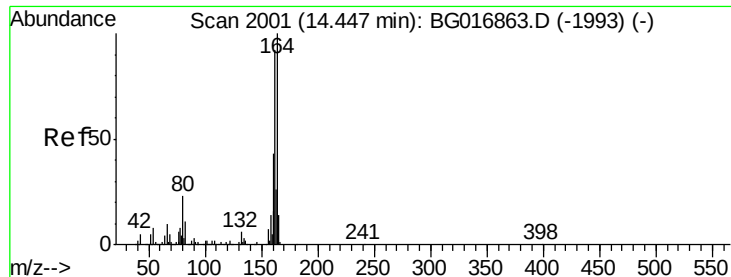
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.9  | 33.2  | 49.8  |
| 54      | 59.1  | 48.6  | 72.8  |



#32  
 Benzoic acid  
 Concen: 25.93 ng  
 RT: 9.93 min Scan# 1233  
 Delta R.T. 0.04 min  
 Lab File: BG017015.D  
 Acq: 10 May 2015 8:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.5 | 123.2 | 163.2 |
| 77      | 106.8 | 93.0  | 133.0 |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

Instrument :

BNA\_G

ClientSampleId :

LAR9794-B

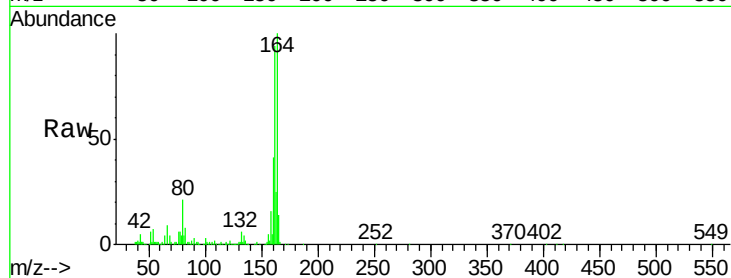
Tgt Ion:164 Resp: 188760

Ion Ratio Lower Upper

164 100

162 94.4 74.0 111.0

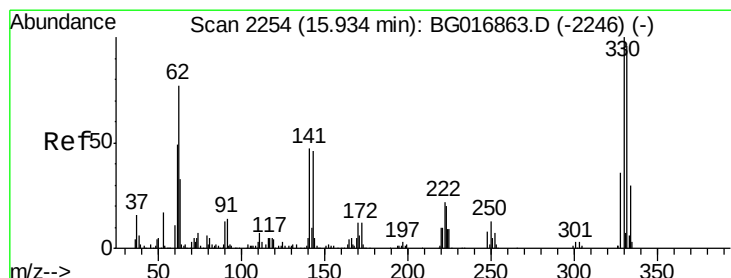
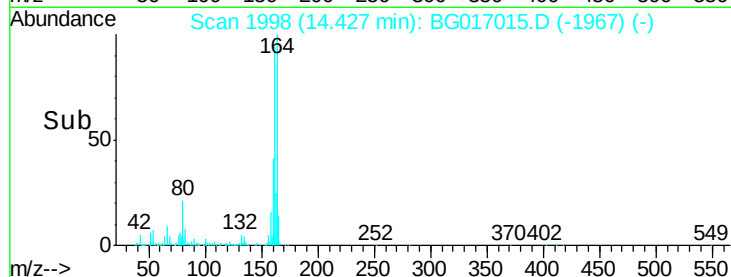
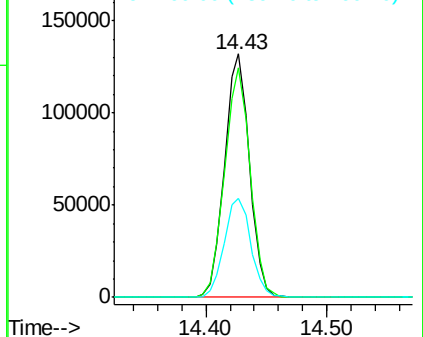
160 40.7 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 171.27 ng

RT: 15.92 min Scan# 2252

Delta R.T. -0.01 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

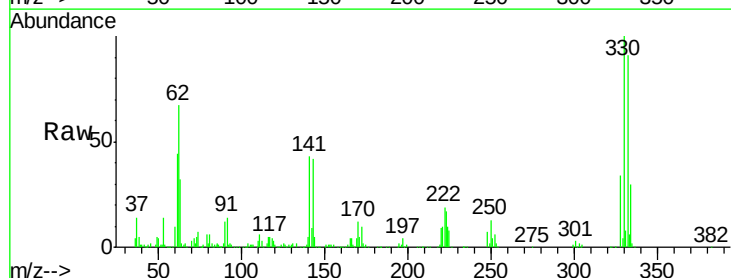
Tgt Ion:330 Resp: 324554

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

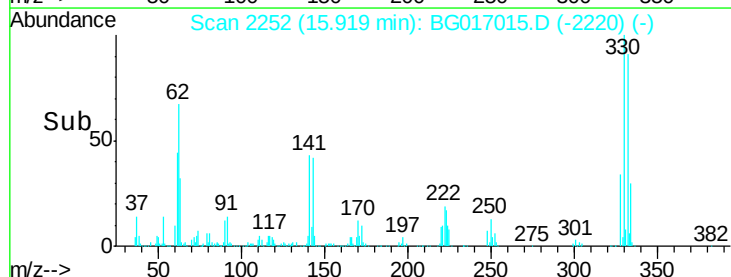
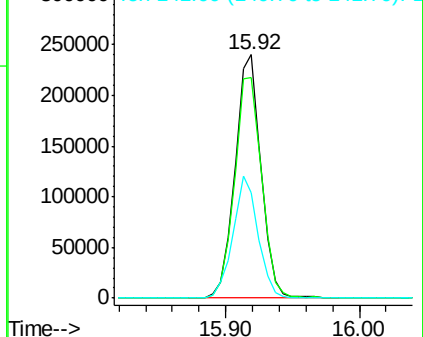
141 49.0 0.0 0.0#

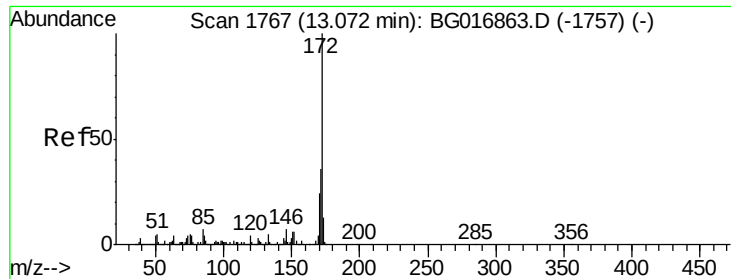


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

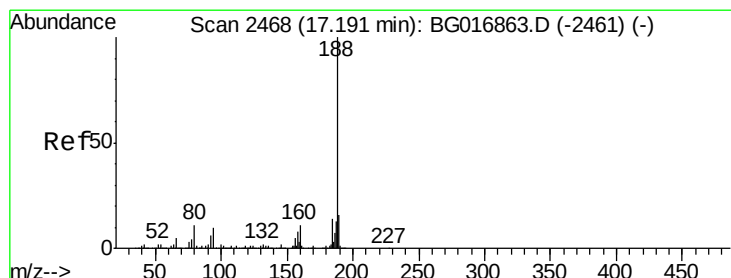
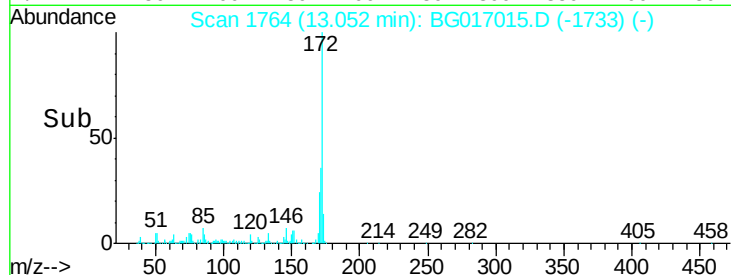
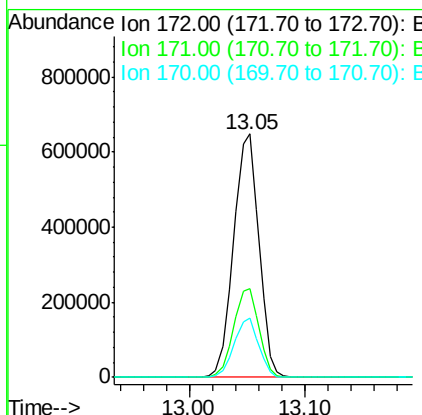
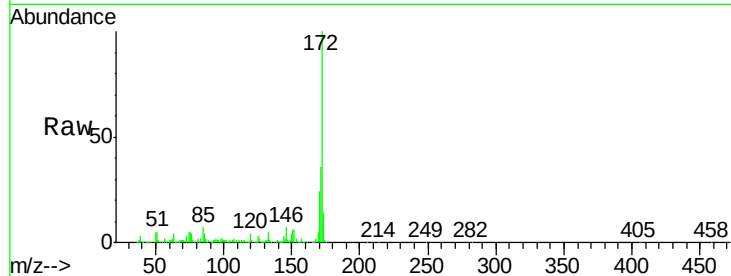




#44  
 2-Fluorobiphenyl  
 Concen: 78.54 ng  
 RT: 13.05 min Scan# 1764  
 Delta R.T. -0.02 min  
 Lab File: BG017015.D  
 Acq: 10 May 2015 8:31

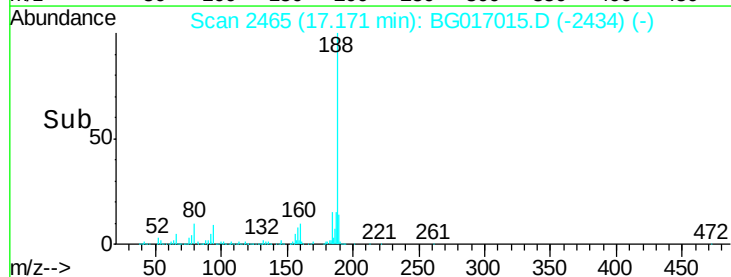
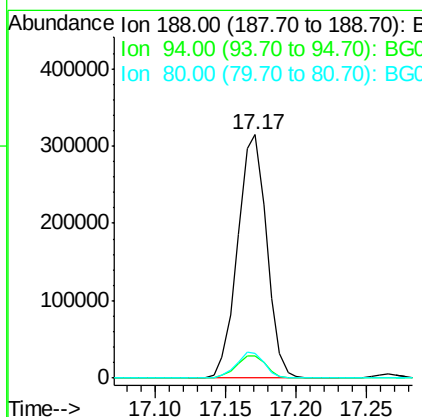
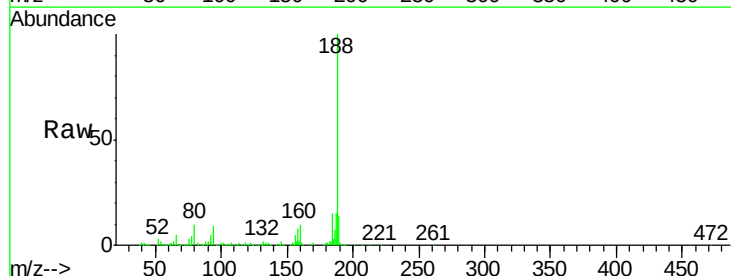
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-B

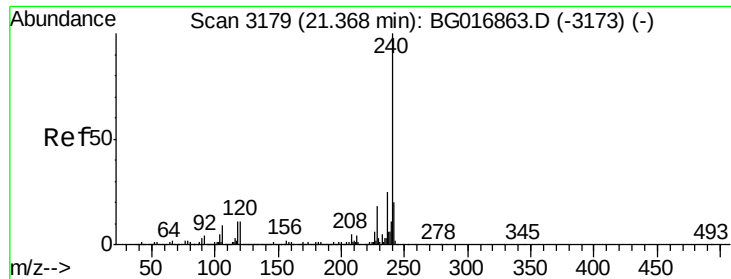
Tgt Ion:172 Resp: 982491  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.0 43.4  
 170 24.2 19.0 28.4



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.17 min Scan# 2465  
 Delta R.T. -0.02 min  
 Lab File: BG017015.D  
 Acq: 10 May 2015 8:31

Tgt Ion:188 Resp: 452568  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 8.2 12.4  
 80 9.9 8.8 13.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

Instrument :

BNA\_G

ClientSampleId :

LAR9794-B

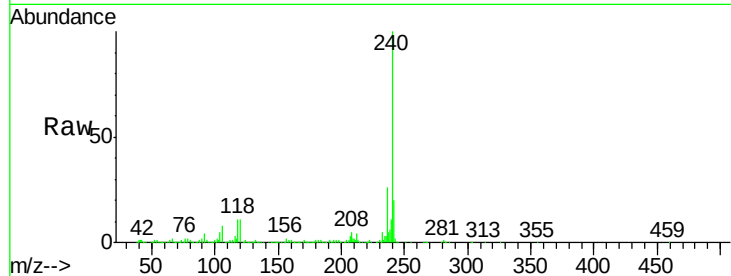
Tgt Ion:240 Resp: 462049

Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

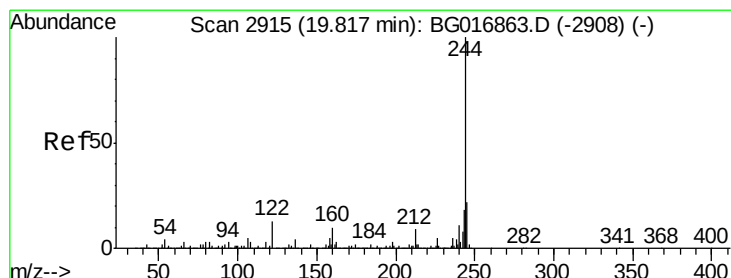
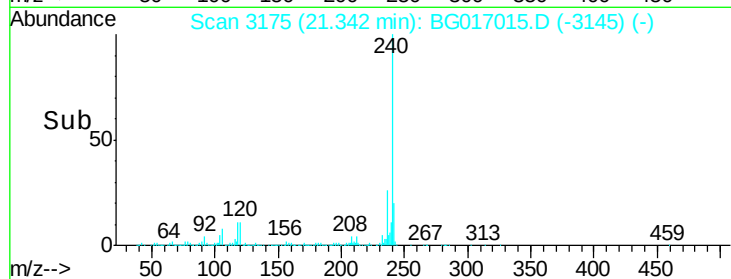
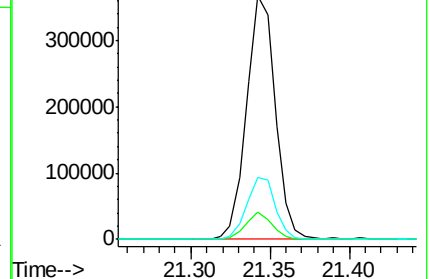
236 25.5 20.2 30.4



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: 87.97 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

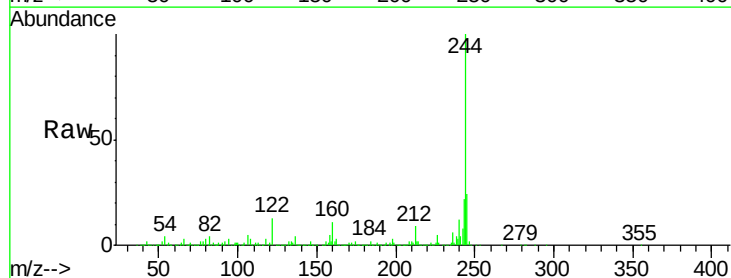
Tgt Ion:244 Resp: 1733907

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

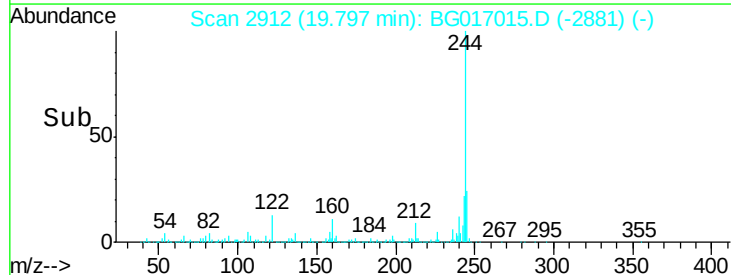
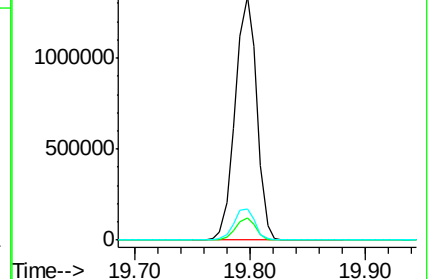
122 13.0 10.4 15.6



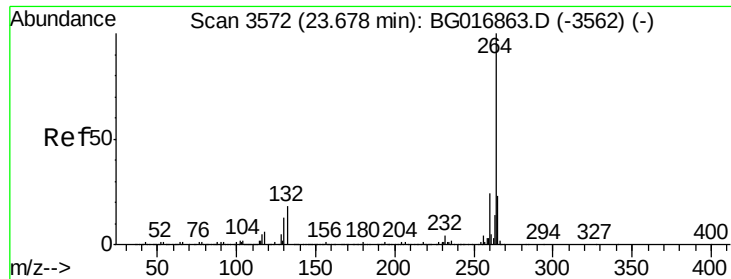
Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.64 min Scan# 3566

Delta R.T. -0.04 min

Lab File: BG017015.D

Acq: 10 May 2015 8:31

Instrument :

BNA\_G

ClientSampleId :

LAR9794-B

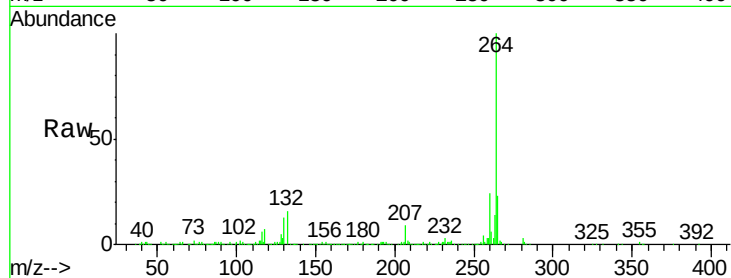
Tgt Ion: 264 Resp: 443399

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 23.1 18.5 27.7



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

