

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101215\  
 Data File : BG019154.D  
 Acq On : 12 Oct 2015 9:52  
 Operator : UM/NP  
 Sample : G3978-07  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW27

Quant Time: Oct 13 01:03:13 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 10 07:04:31 2015  
 Response via : Initial Calibration

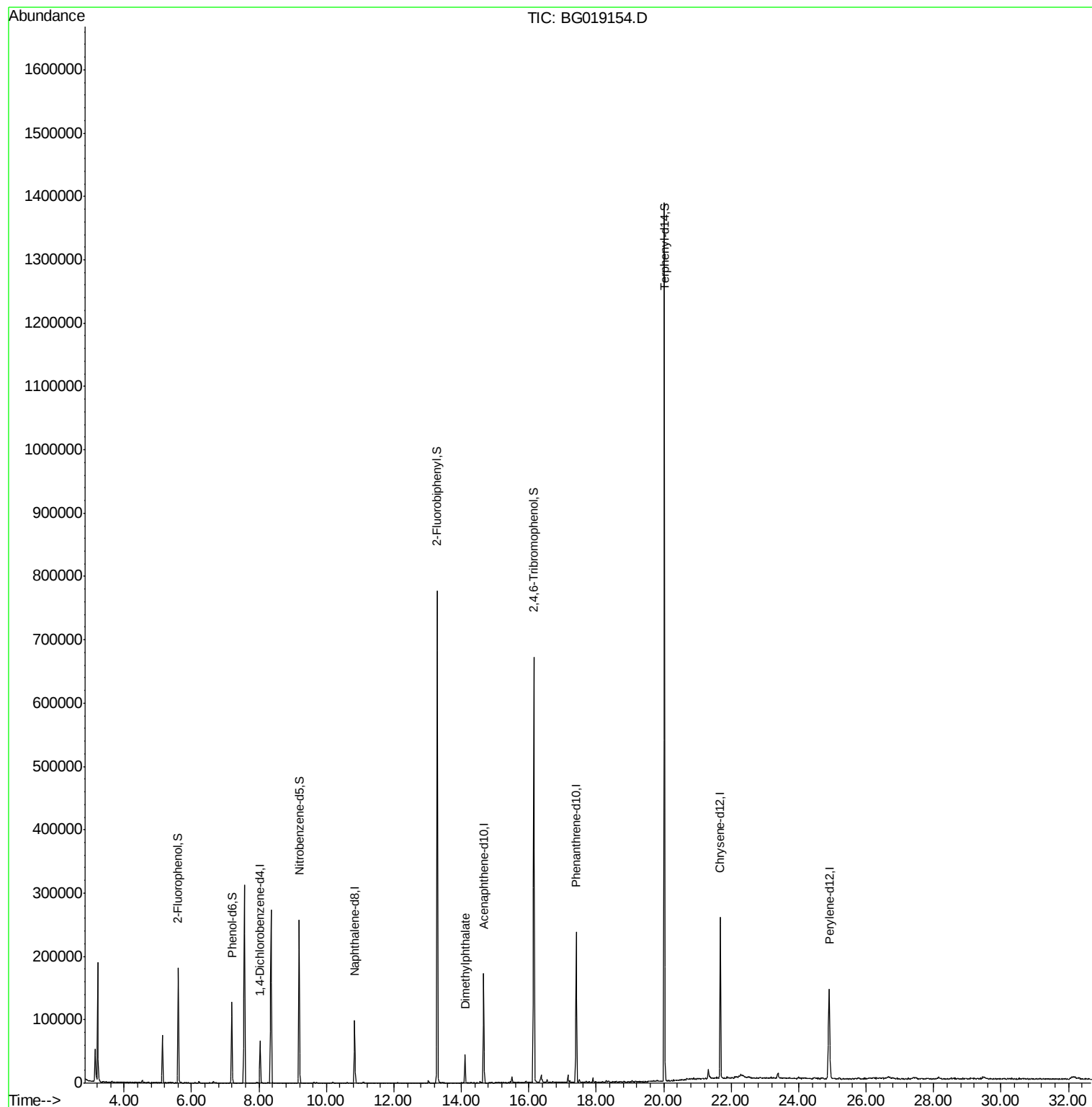
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 17431    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.84 | 136  | 79457    | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.66 | 164  | 58248    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.40 | 188  | 140214   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.68 | 240  | 159643   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 24.90 | 264  | 156587   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.61  | 112  | 65737    | 76.79  | ng    | 0.00         |
| 7) Phenol-d6                | 7.19  | 99   | 65897    | 50.11  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 151565   | 105.40 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 120556   | 151.88 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 386005   | 101.90 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.02 | 244  | 595145   | 98.48  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.11 | 163  | 28788    | 6.26   | ng    | Qvalue<br>99 |

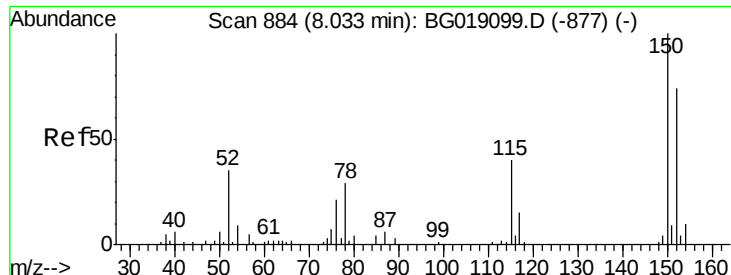
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 10 07:04:31 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. 0.00 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

Instrument :

BNA\_G

ClientSampleId :

MW27

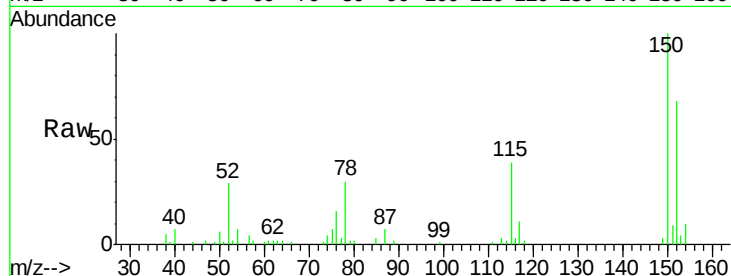
Tot Ion:152 Resp: 17431

Ion Ratio Lower Upper

152 100

150 147.0 108.2 162.2

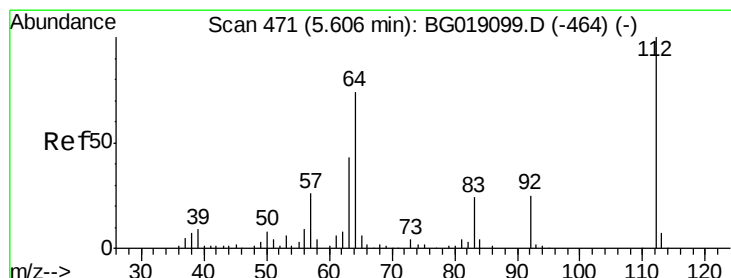
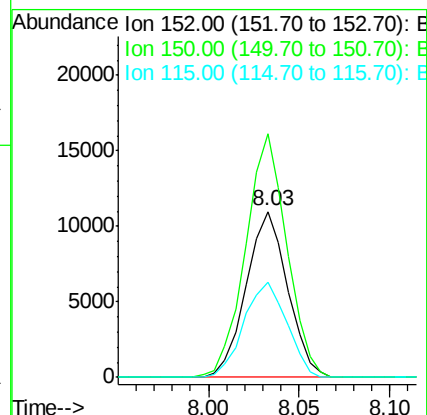
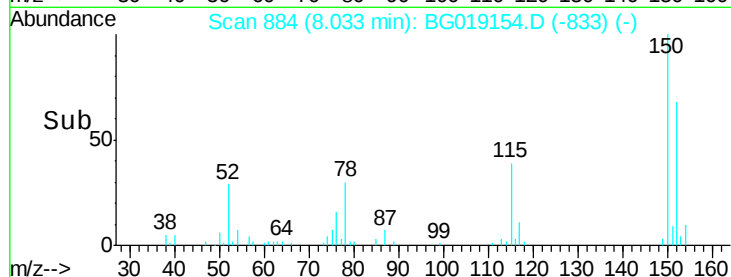
115 57.4 43.2 64.8



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: 76.79 ng

RT: 5.61 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

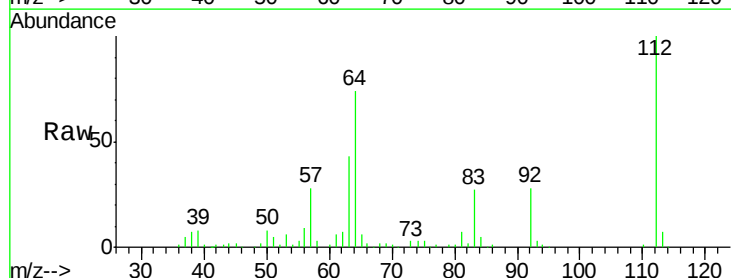
Tgt Ion:112 Resp: 65737

Ion Ratio Lower Upper

112 100

64 73.7 59.0 88.4

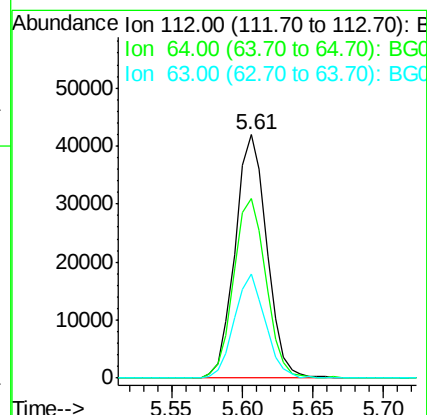
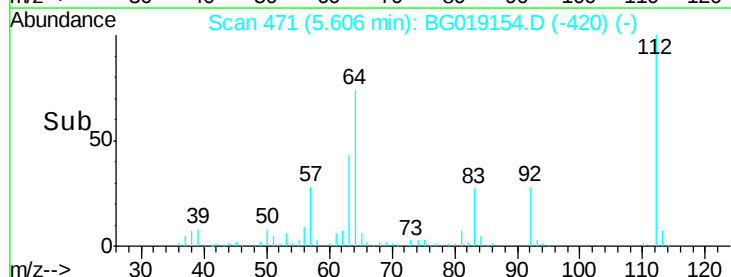
63 42.6 34.7 52.1



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: 50.11 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

Instrument :

BNA\_G

ClientSampleId :

MW27

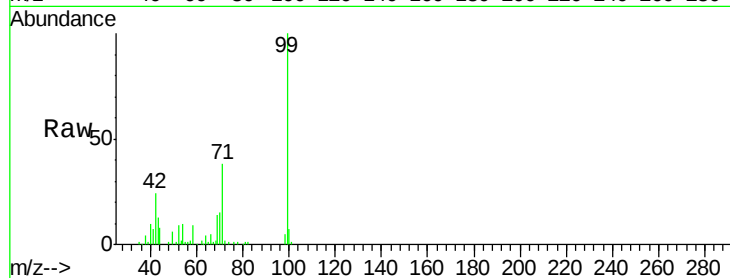
Tot Ion: 99 Resp: 65897

Ion Ratio Lower Upper

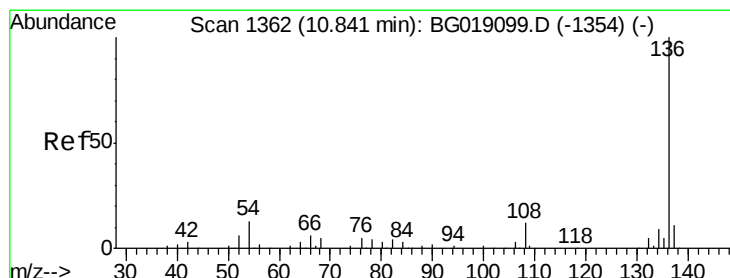
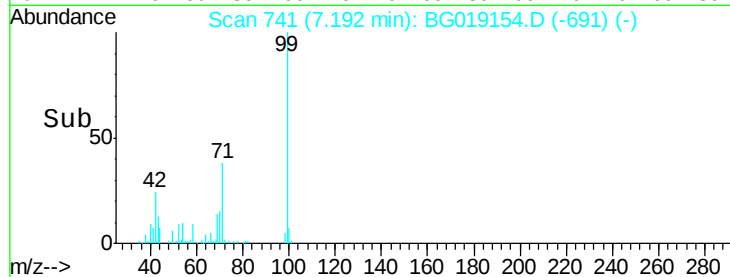
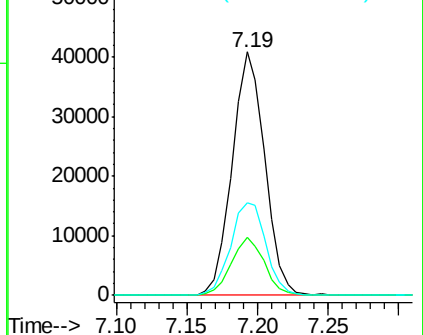
99 100

42 23.8 19.5 29.3

71 38.0 31.4 47.0



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: 10.84 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

Tgt Ion: 136 Resp: 79457

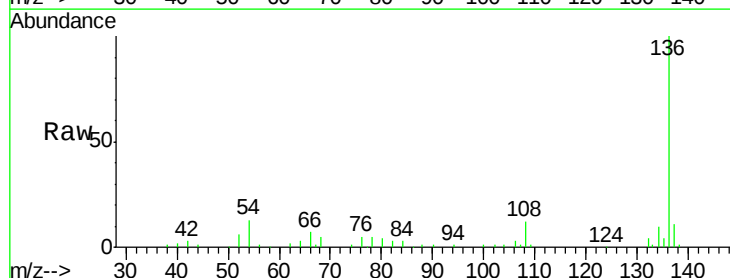
Ion Ratio Lower Upper

136 100

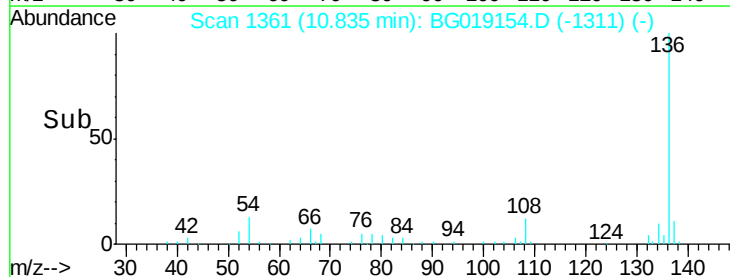
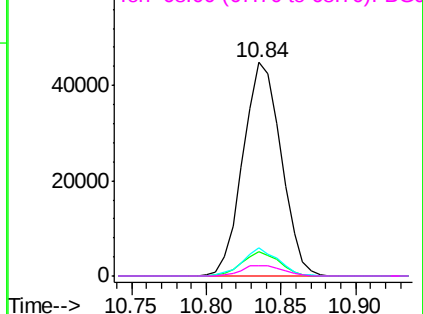
137 11.1 9.0 13.4

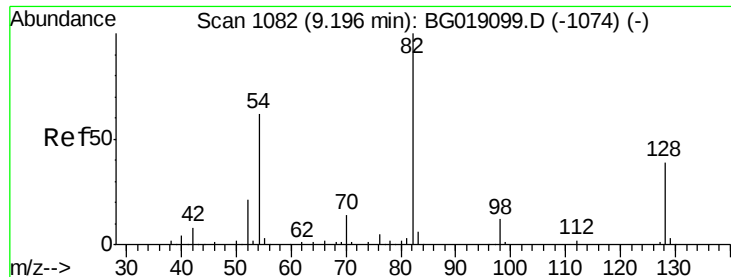
54 13.1 10.1 15.1

68 5.0 4.4 6.6



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

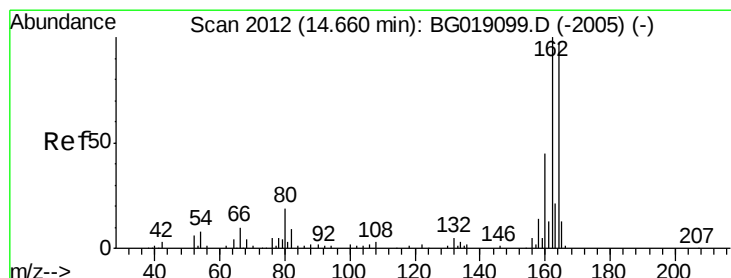
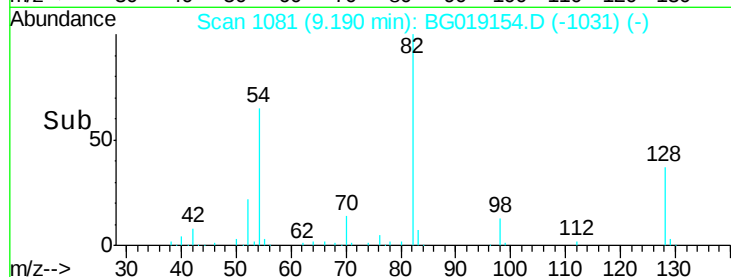
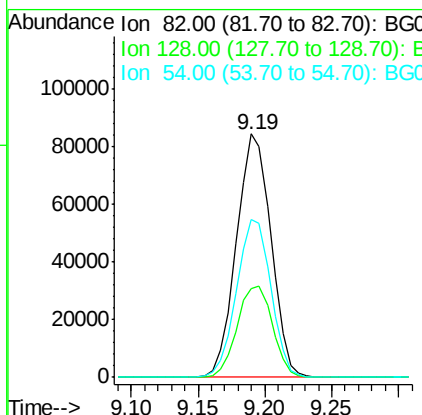
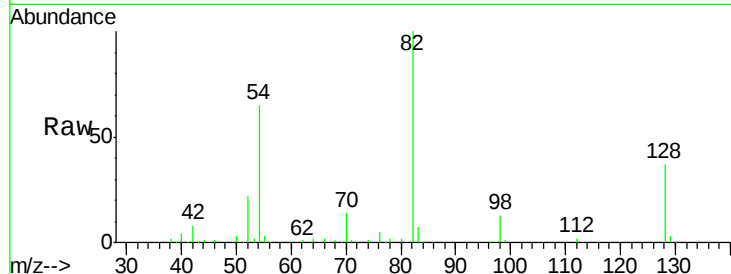




#23  
 Nitrobenzene-d5  
 Concen: 105.40 ng  
 RT: 9.19 min Scan# 1081  
 Delta R.T. -0.01 min  
 Lab File: BG019154.D  
 Acq: 12 Oct 2015 9:52

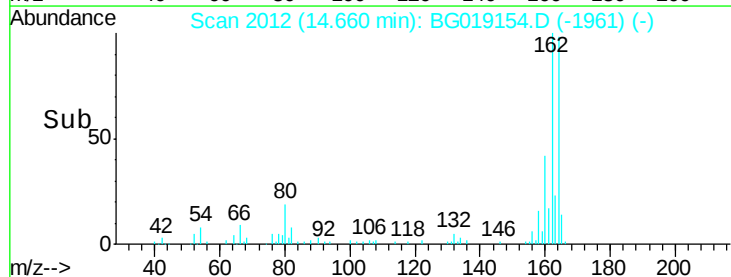
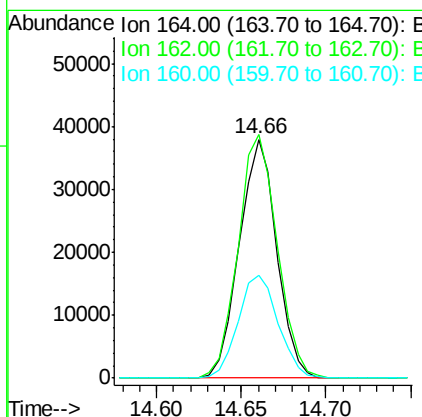
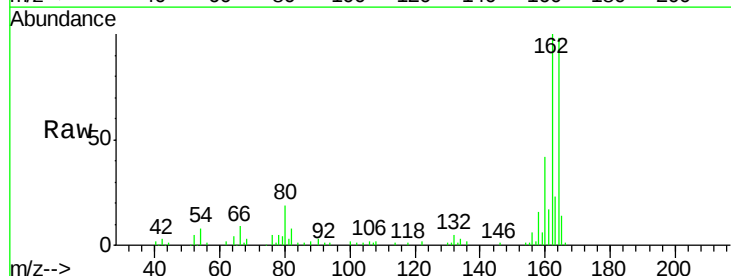
Instrument :  
 BNA\_G  
 ClientSampleId :  
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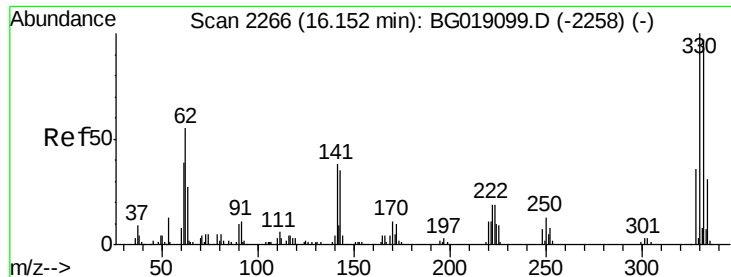
| Tot Ion   | 82   | Resp  | 151565 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 36.7 | 31.4  | 47.2   |
| 54        | 65.0 | 50.0  | 75.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.66 min Scan# 2012  
 Delta R.T. 0.00 min  
 Lab File: BG019154.D  
 Acq: 12 Oct 2015 9:52

| Tgt Ion   | 164   | Resp  | 58248 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 101.9 | 82.6  | 124.0 |
| 160       | 42.8  | 36.9  | 55.3  |

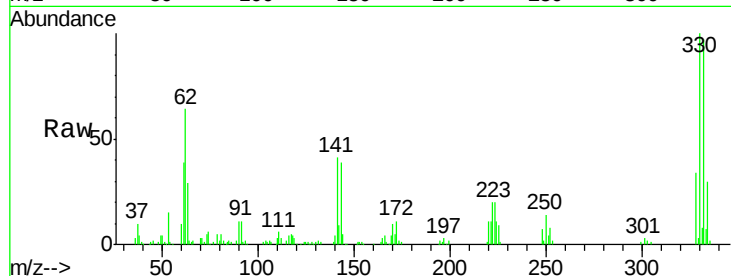




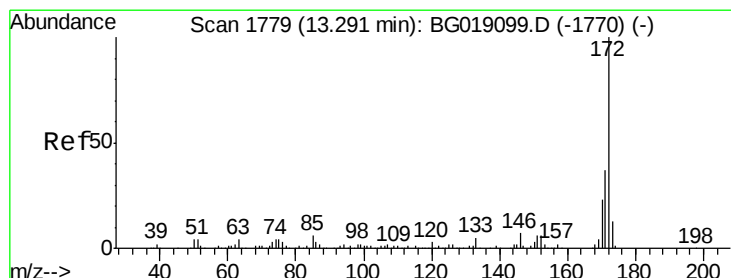
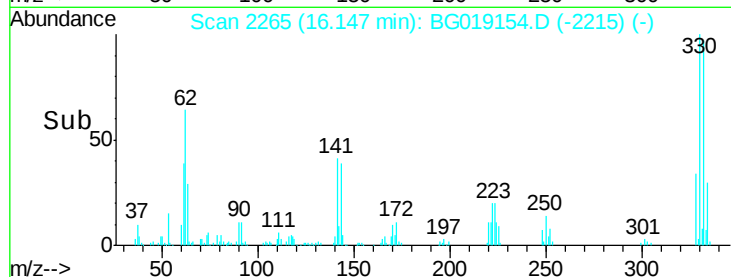
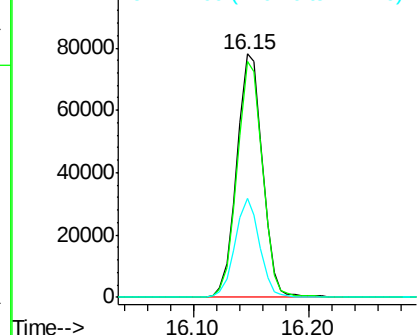
#41  
 2,4,6-Tribromophenol  
 Concen: 151.88 ng  
 RT: 16.15 min Scan# 2265  
 Delta R.T. -0.01 min  
 Lab File: BG019154.D  
 Acq: 12 Oct 2015 9:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW27

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.3  | 115.9 |
| 141     | 38.9  | 30.7  | 46.1  |

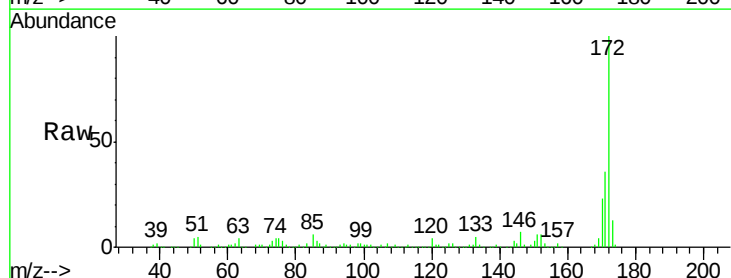


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

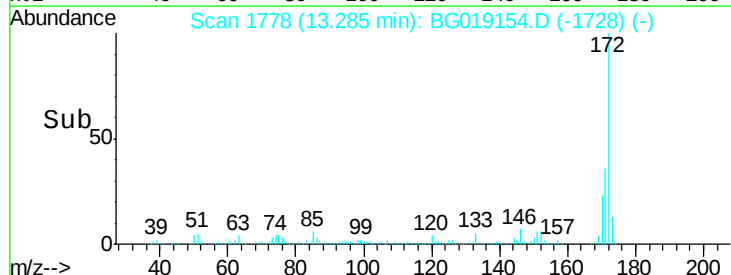
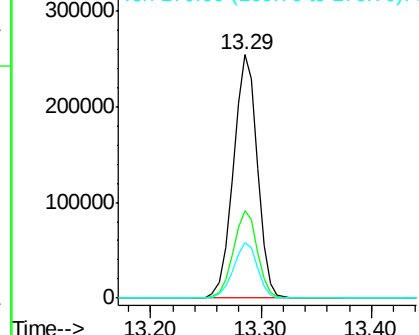


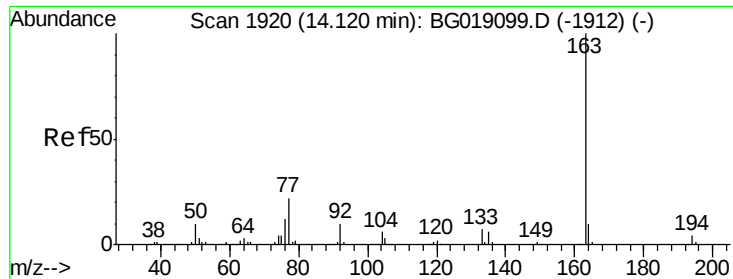
#44  
 2-Fluorobiphenyl  
 Concen: 101.90 ng  
 RT: 13.29 min Scan# 1778  
 Delta R.T. -0.01 min  
 Lab File: BG019154.D  
 Acq: 12 Oct 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.9  | 44.9  |
| 170     | 22.9  | 18.6  | 27.8  |



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: 6.26 ng

RT: 14.11 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

Instrument :

BNA\_G

ClientSampled :

MW27

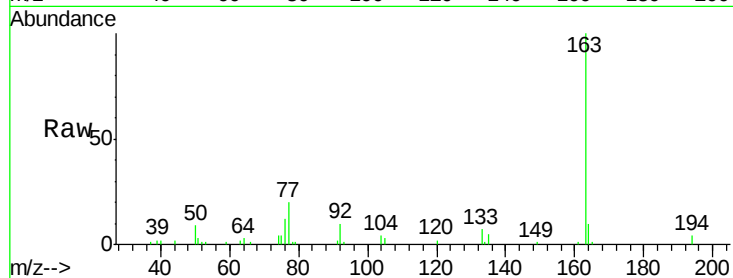
Tot Ion:163 Resp: 28788

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

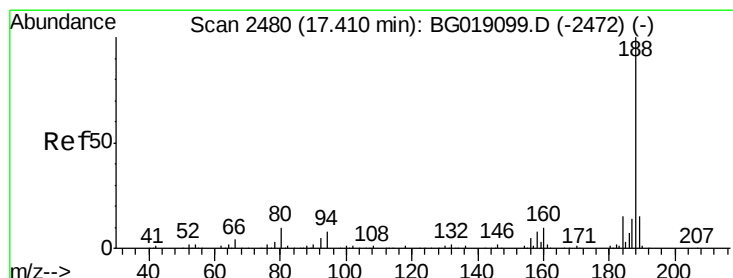
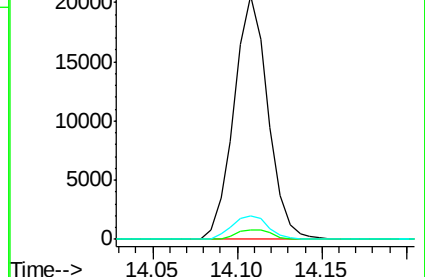
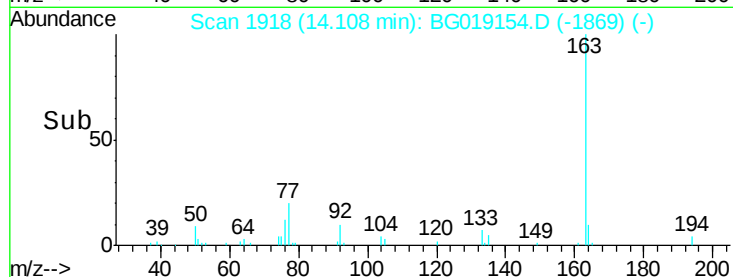
164 9.8 8.1 12.1



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: 17.40 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

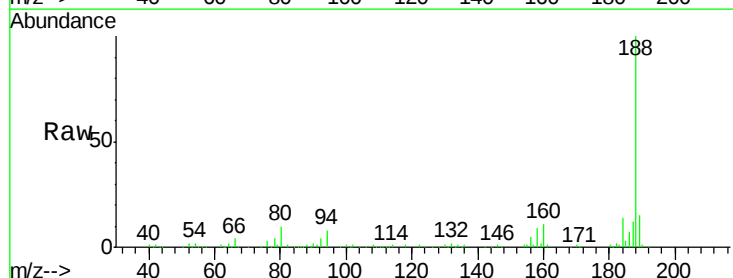
Tgt Ion:188 Resp: 140214

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

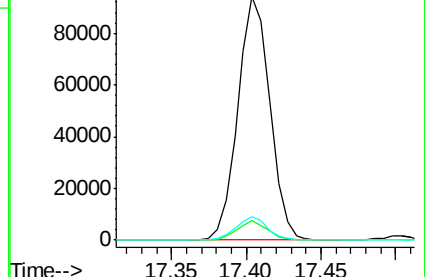
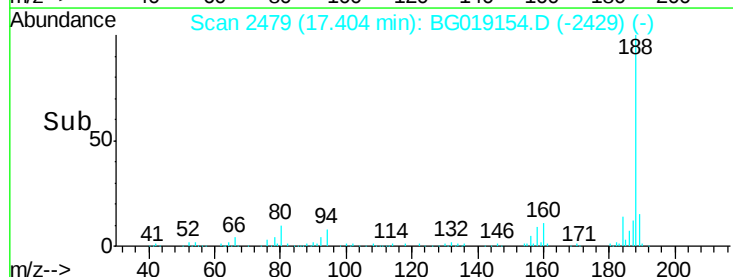
80 9.6 7.6 11.4

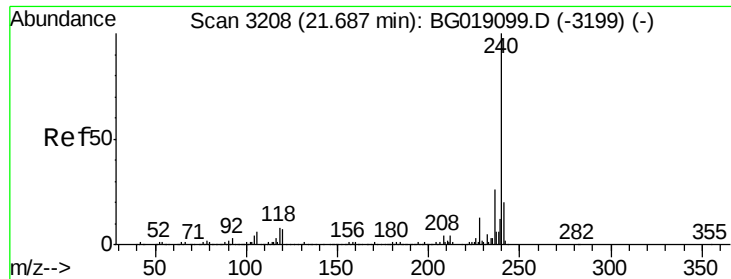


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.68 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

Instrument :

BNA\_G

ClientSampleId :

MW27

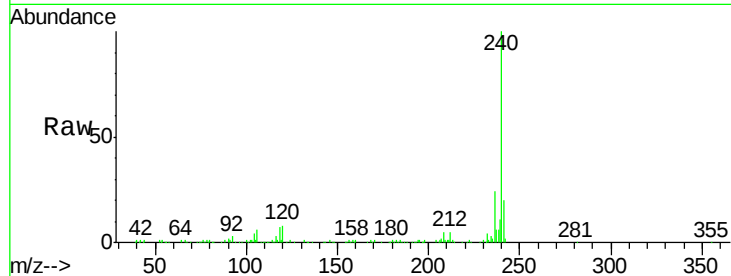
Tot Ion:240 Resp: 159643

Ion Ratio Lower Upper

240 100

120 7.8 5.8 8.6

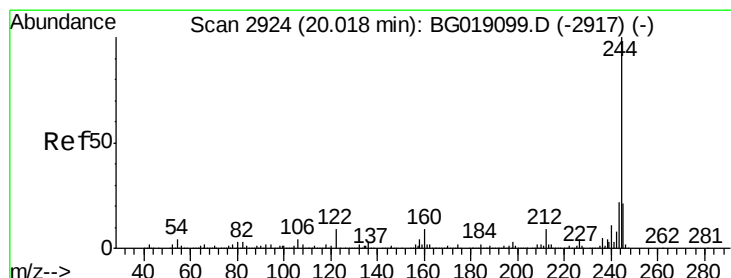
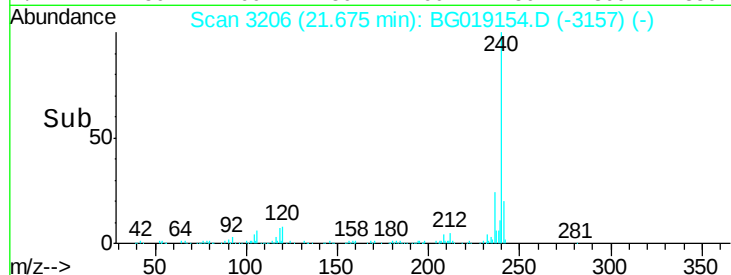
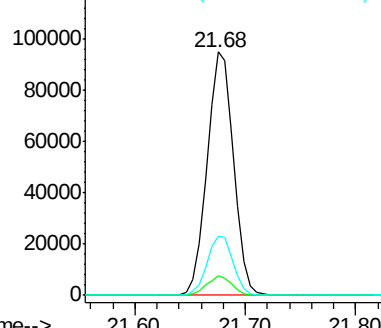
236 24.3 21.2 31.8



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: 98.48 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019154.D

Acq: 12 Oct 2015 9:52

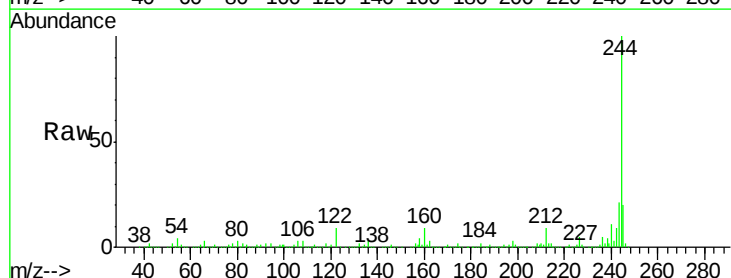
Tgt Ion:244 Resp: 595145

Ion Ratio Lower Upper

244 100

212 8.7 6.8 10.2

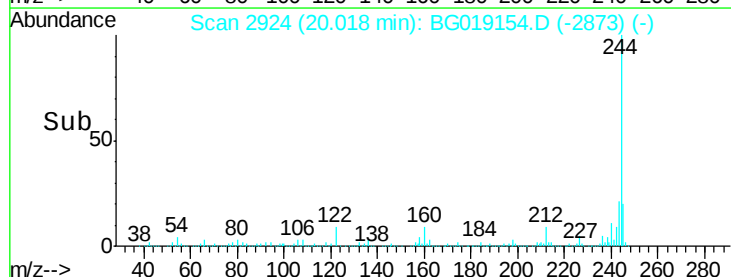
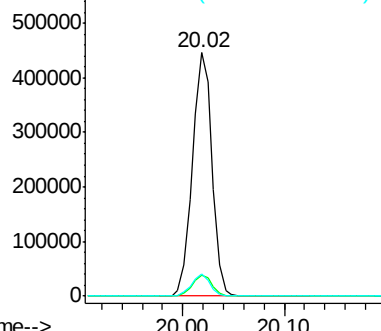
122 8.9 7.4 11.2

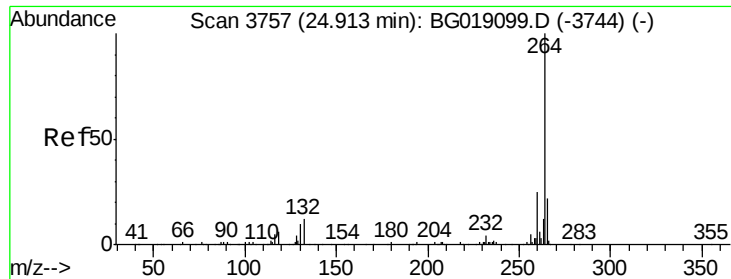


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.90 min Scan# 3755  
Delta R.T. -0.01 min  
Lab File: BG019154.D  
Acq: 12 Oct 2015 9:52

Instrument :  
BNA\_G  
ClientSampleId :  
MW27

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 20.1  | 30.1  |
| 265     | 22.0  | 17.2  | 25.8  |

