

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102716\  
 Data File : BG024532.D  
 Acq On : 27 Oct 2016 22:09  
 Operator : UM/SJ  
 Sample : H5434-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4

Quant Time: Oct 28 02:15:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

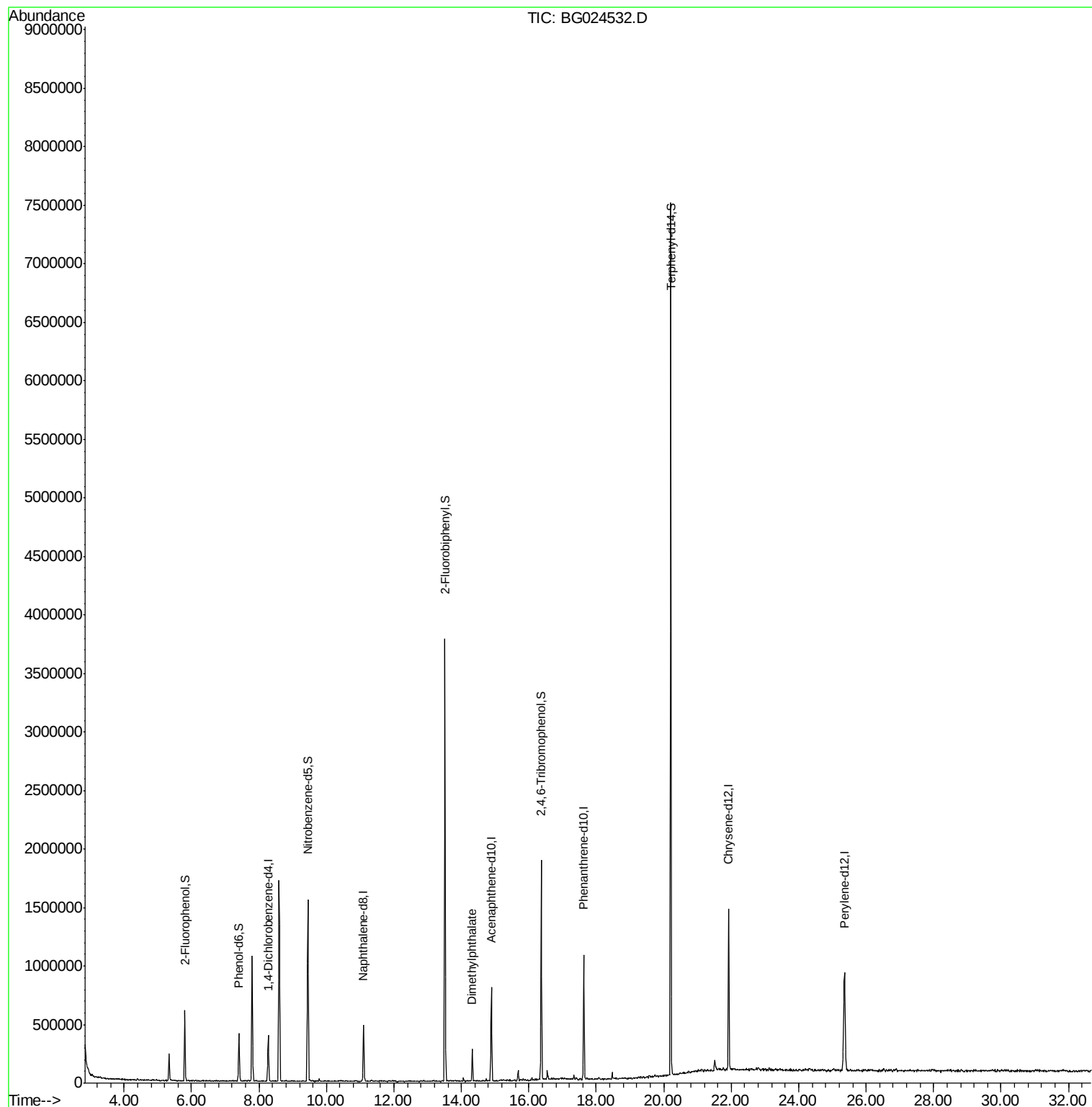
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 103052   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.10 | 136  | 391332   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.89 | 164  | 293357   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.63 | 188  | 676778   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.93 | 240  | 979990   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.35 | 264  | 1067106  | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.80  | 112  | 239765   | 38.13  | ng    | 0.00         |
| 7) Phenol-d6                | 7.40  | 99   | 209909   | 24.34  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 955698   | 111.19 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 366971   | 83.73  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1874171  | 106.19 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.21 | 244  | 2984818  | 91.01  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.32 | 163  | 168924   | 8.11   | ng    | Qvalue<br>99 |

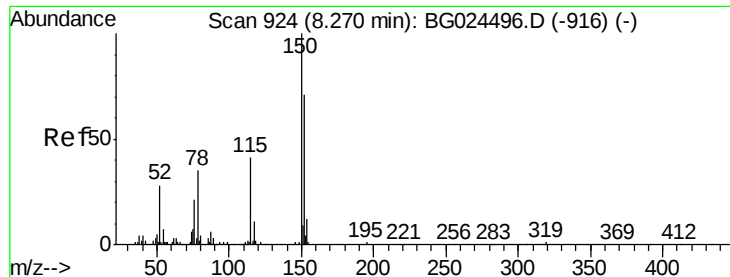
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

Instrument :

BNA\_G

ClientSampleId :

MW-4

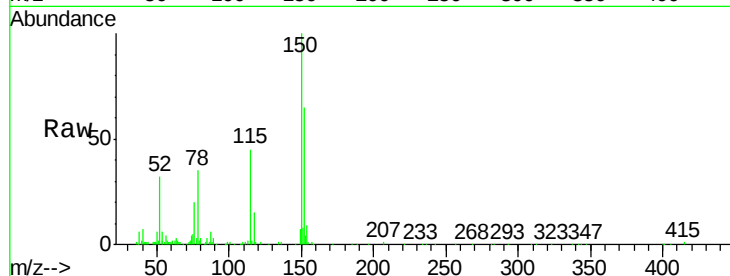
Tgt Ion:152 Resp: 103052

Ion Ratio Lower Upper

152 100

150 152.7 114.0 171.0

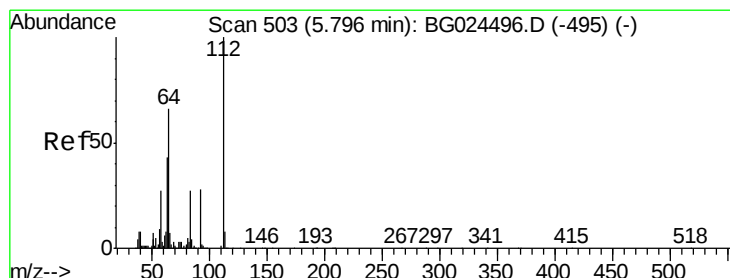
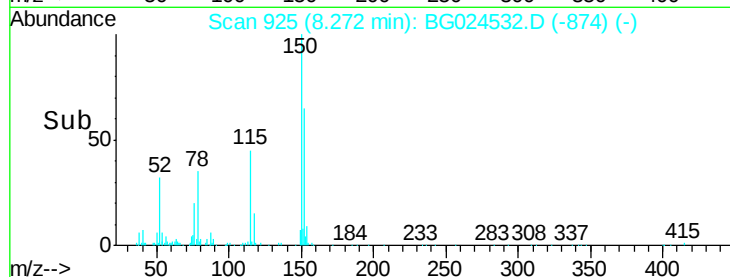
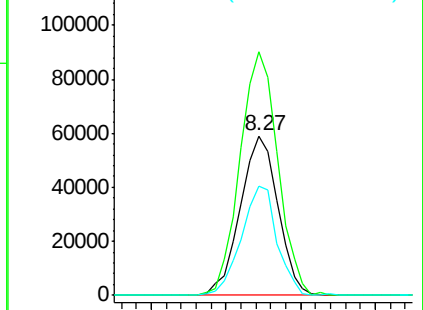
115 68.2 48.1 72.1



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: 38.13 ng

RT: 5.80 min Scan# 505

Delta R.T. 0.01 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

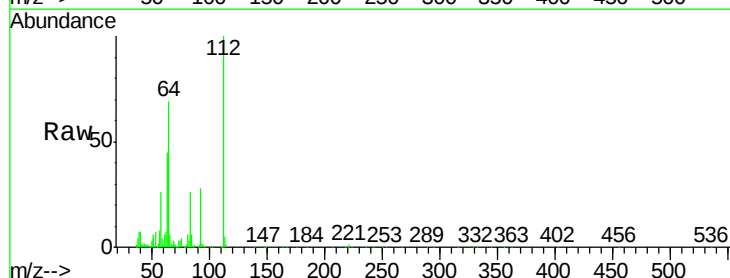
Tgt Ion:112 Resp: 239765

Ion Ratio Lower Upper

112 100

64 68.7 61.8 92.6

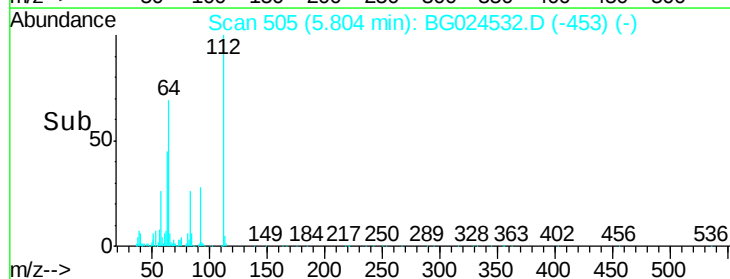
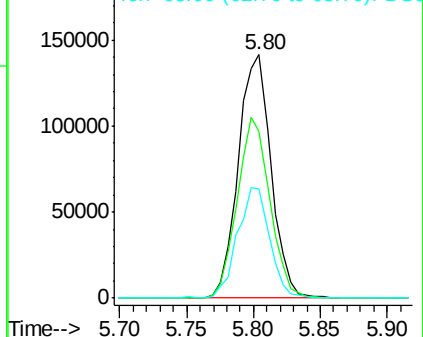
63 45.0 37.2 55.8



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: 24.34 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

Instrument :

BNA\_G

ClientSampleId :

MW-4

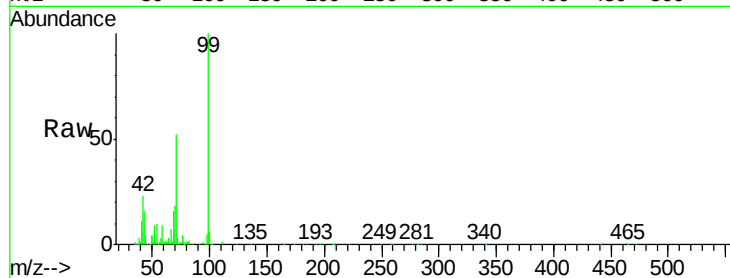
Tgt Ion: 99 Resp: 209909

Ion Ratio Lower Upper

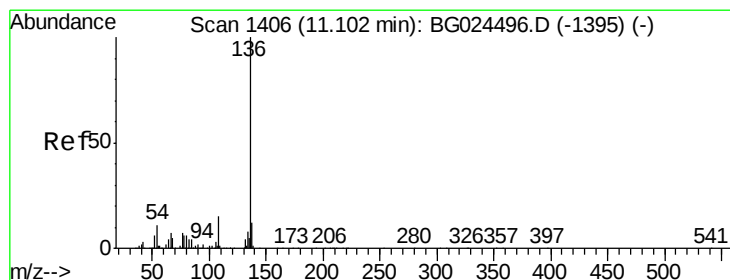
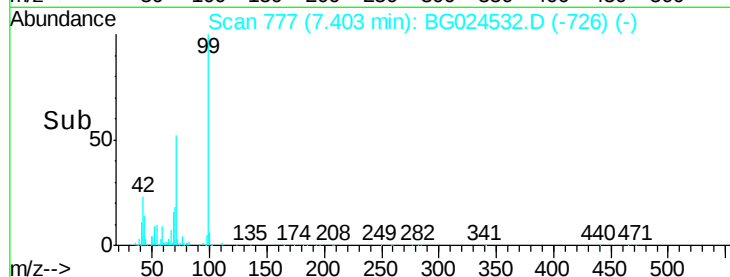
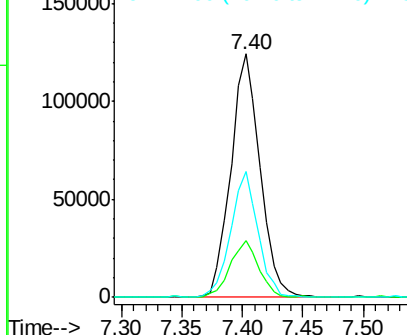
99 100

42 23.5 20.5 30.7

71 51.9 37.6 56.4



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: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

Tgt Ion: 136 Resp: 391332

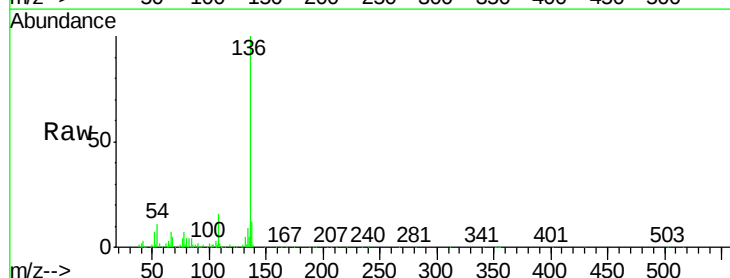
Ion Ratio Lower Upper

136 100

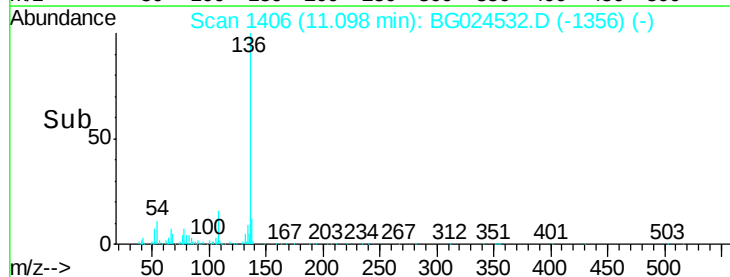
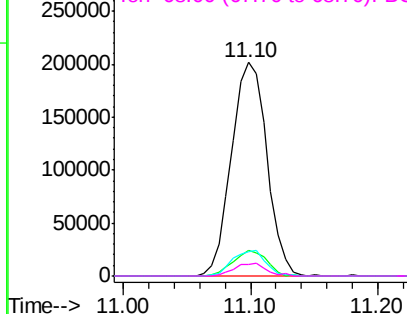
137 11.9 8.9 13.3

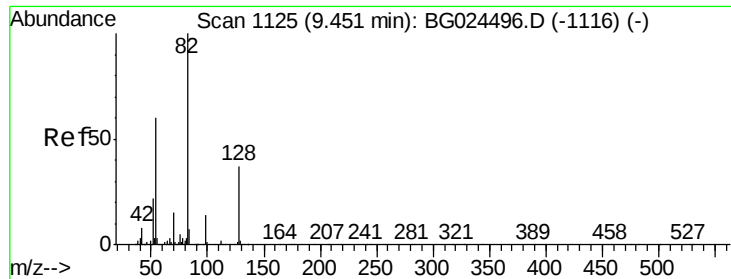
54 11.3 9.3 13.9

68 5.3 5.1 7.7



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

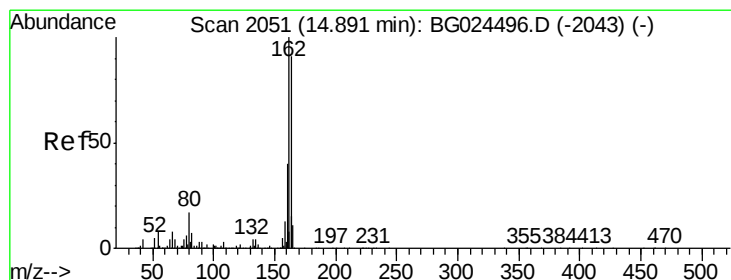
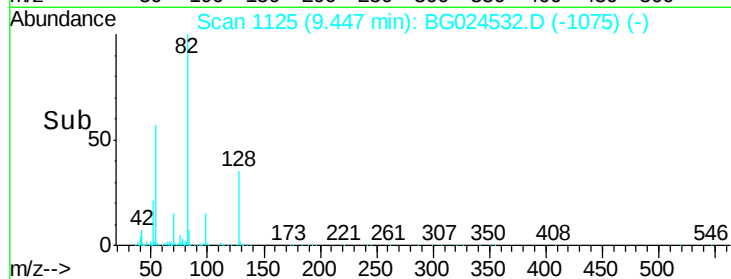
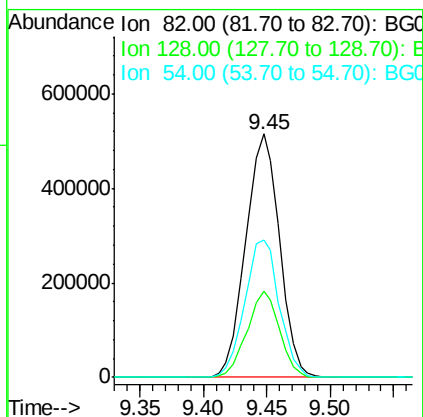
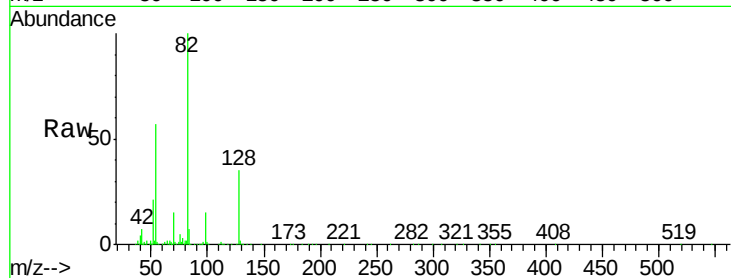




#23  
 Nitrobenzene-d5  
 Concen: 111.19 ng  
 RT: 9.45 min Scan# 1125  
 Delta R.T. -0.00 min  
 Lab File: BG024532.D  
 Acq: 27 Oct 2016 22:09

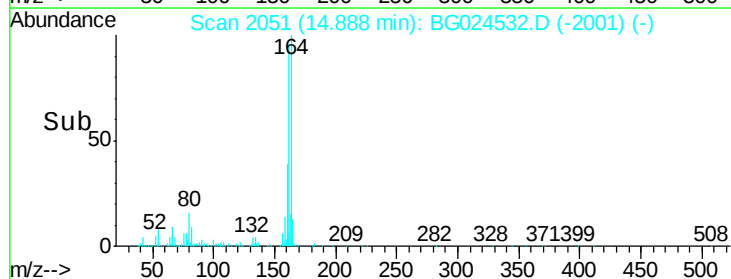
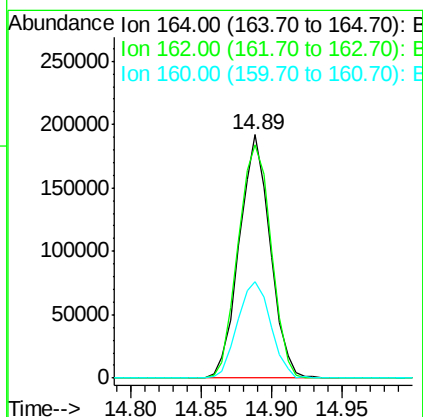
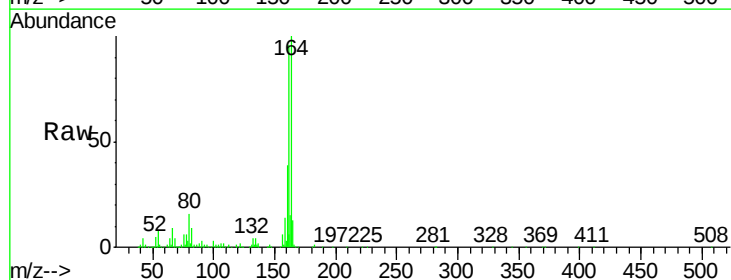
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4

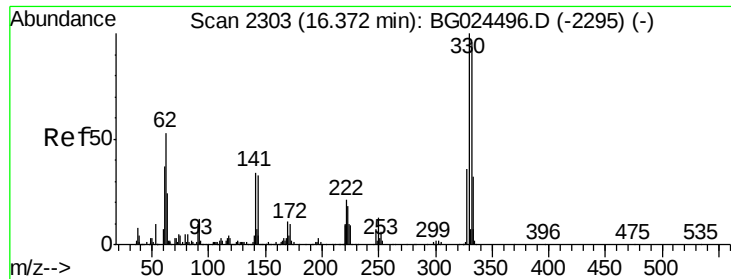
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.1  | 26.4  | 39.6  |
| 54      | 56.7  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.89 min Scan# 2051  
 Delta R.T. -0.00 min  
 Lab File: BG024532.D  
 Acq: 27 Oct 2016 22:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 95.6  | 85.1  | 127.7 |
| 160     | 39.5  | 34.7  | 52.1  |

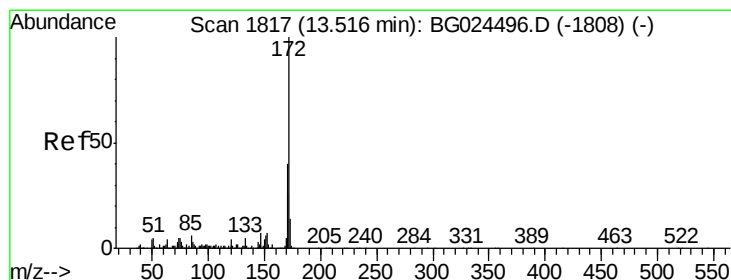
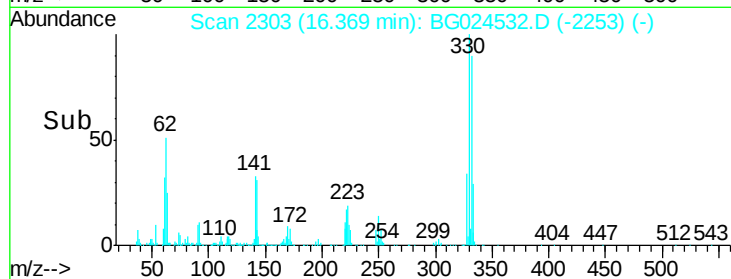
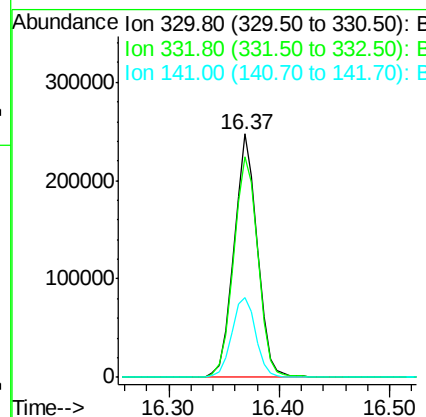
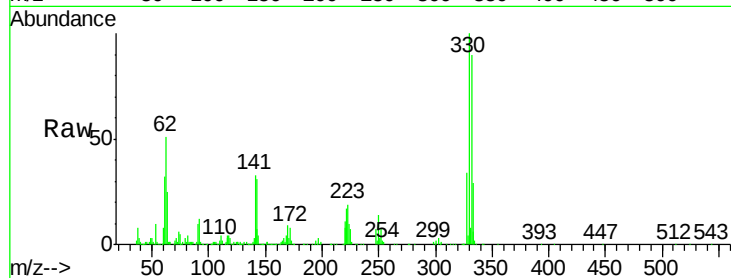




#41  
 2,4,6-Tribromophenol  
 Concen: 83.73 ng  
 RT: 16.37 min Scan# 2303  
 Delta R.T. -0.00 min  
 Lab File: BG024532.D  
 Acq: 27 Oct 2016 22:09

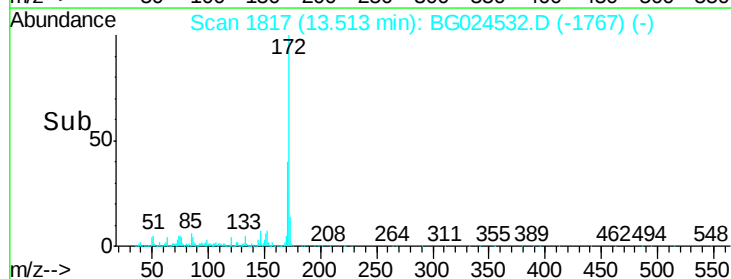
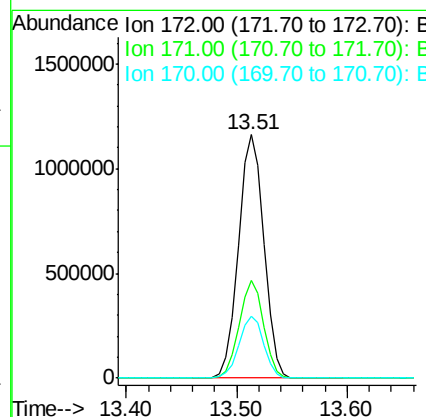
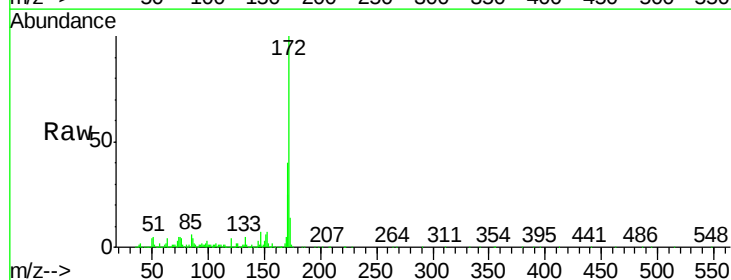
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4

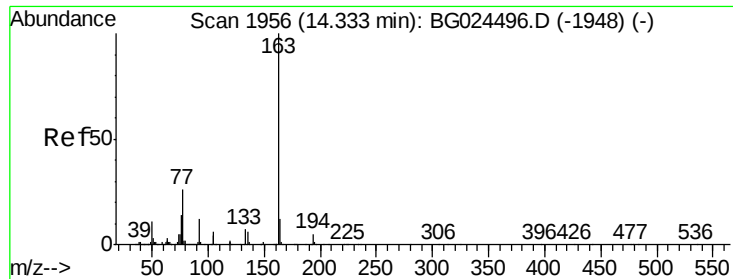
Tgt Ion:330 Resp: 366971  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 77.3 115.9  
 141 33.7 32.1 48.1



#44  
 2-Fluorobiphenyl  
 Concen: 106.19 ng  
 RT: 13.51 min Scan# 1817  
 Delta R.T. -0.00 min  
 Lab File: BG024532.D  
 Acq: 27 Oct 2016 22:09

Tgt Ion:172 Resp: 1874171  
 Ion Ratio Lower Upper  
 172 100  
 171 39.9 32.2 48.2  
 170 25.3 21.8 32.6





#49

Dimethylphthalate

Concen: 8.11 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

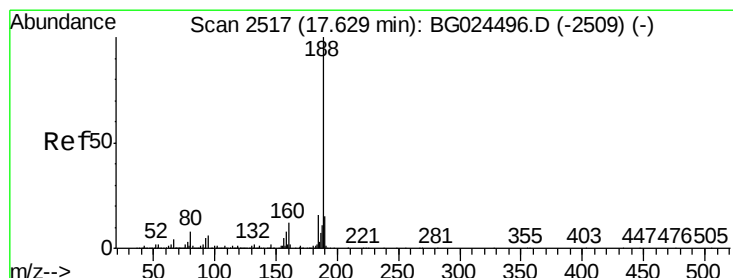
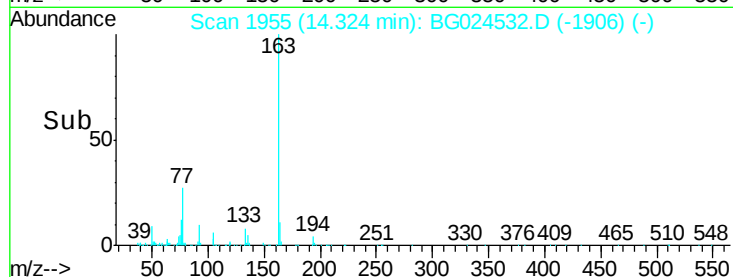
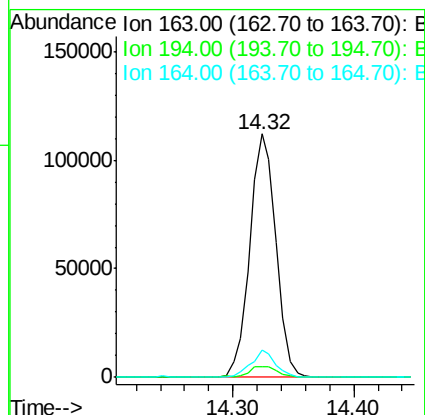
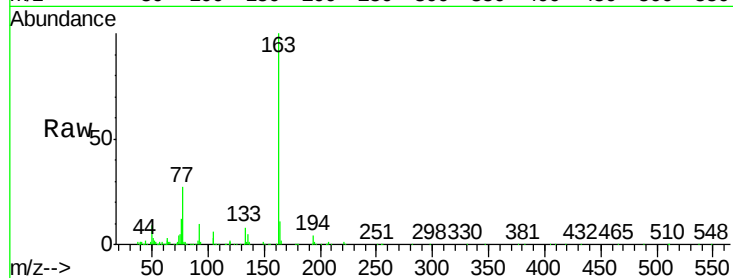
Instrument :

BNA\_G

ClientSampleId :

MW-4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 168924 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.3   | 3.8   | 5.6    |
| 164       | 11.3  | 9.3   | 13.9   |



#63

Phenanthrene-d10

Concen: 20.00 ng

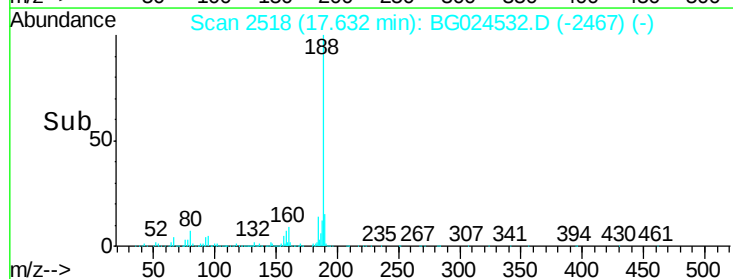
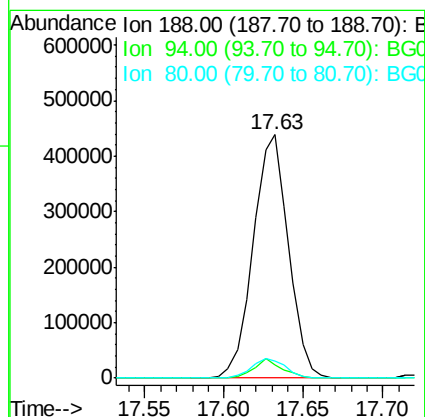
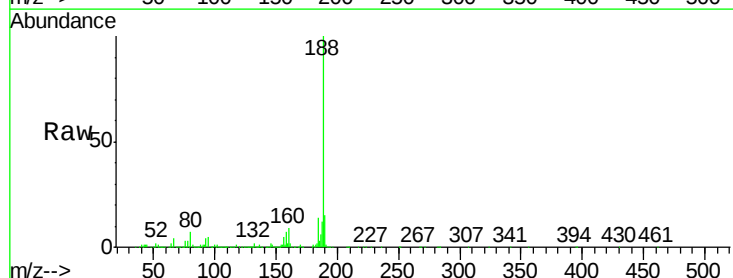
RT: 17.63 min Scan# 2518

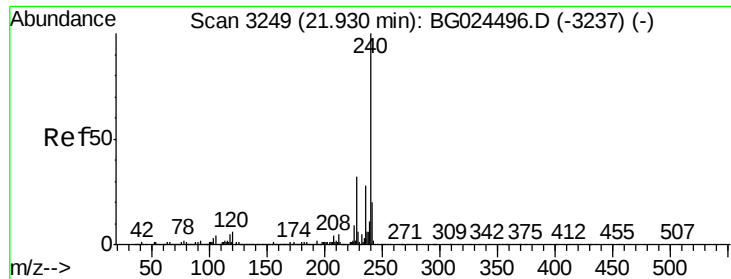
Delta R.T. 0.00 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 676778 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 5.3   | 5.8   | 8.8#   |
| 80        | 7.1   | 7.5   | 11.3#  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.93 min Scan# 3249

Delta R.T. -0.00 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

Instrument :

BNA\_G

ClientSampleId :

MW-4

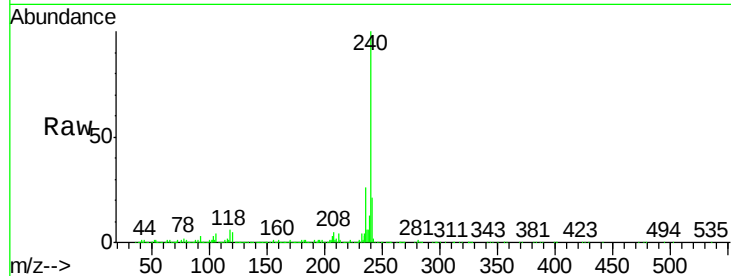
Tgt Ion:240 Resp: 979990

Ion Ratio Lower Upper

240 100

120 5.1 5.7 8.5#

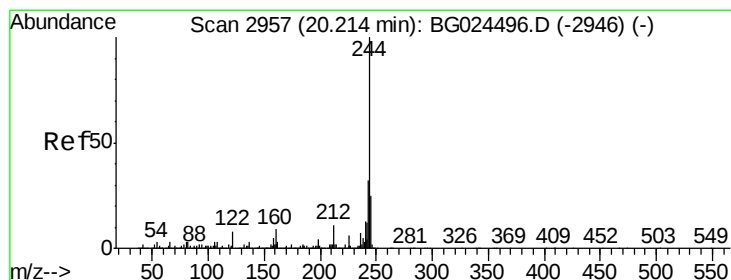
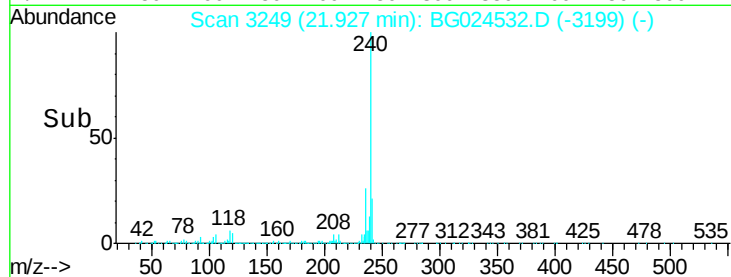
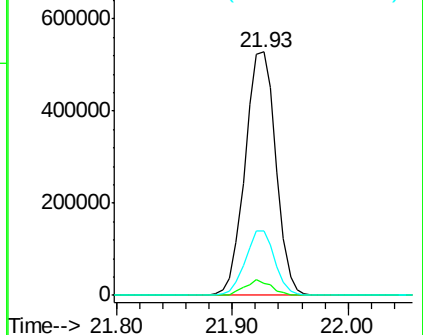
236 26.4 22.2 33.4



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: 91.01 ng

RT: 20.21 min Scan# 2957

Delta R.T. -0.00 min

Lab File: BG024532.D

Acq: 27 Oct 2016 22:09

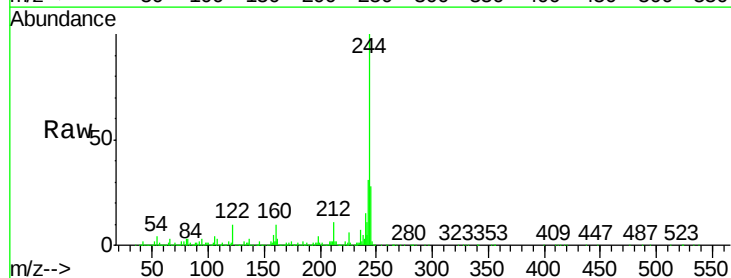
Tgt Ion:244 Resp: 2984818

Ion Ratio Lower Upper

244 100

212 11.4 10.0 15.0

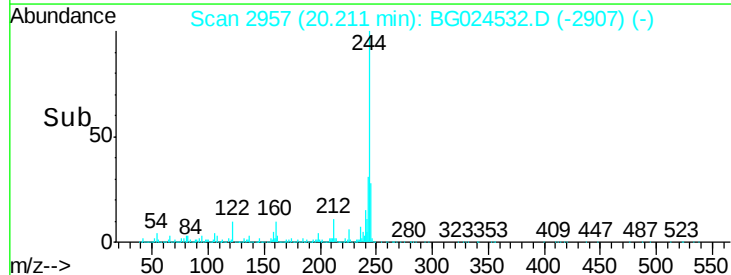
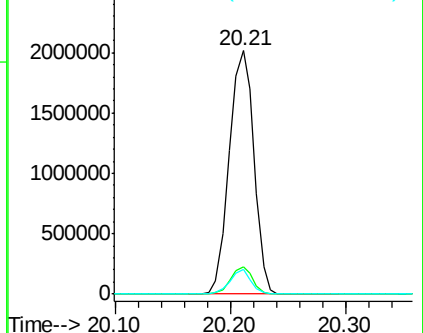
122 10.4 8.6 12.8

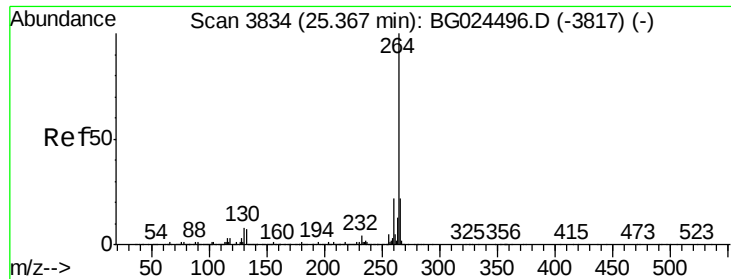


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.35 min Scan# 3832  
Delta R.T. -0.02 min  
Lab File: BG024532.D  
Acq: 27 Oct 2016 22:09

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

Tgt Ion: 264 Resp: 1067106  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 21.8  | 32.8  |
| 265 | 19.8  | 18.2  | 27.4  |

