

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060617\  
 Data File : BG027246.D  
 Acq On : 6 Jun 2017 12:57  
 Operator : SJ/MA  
 Sample : I3438-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 06 18:06:34 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

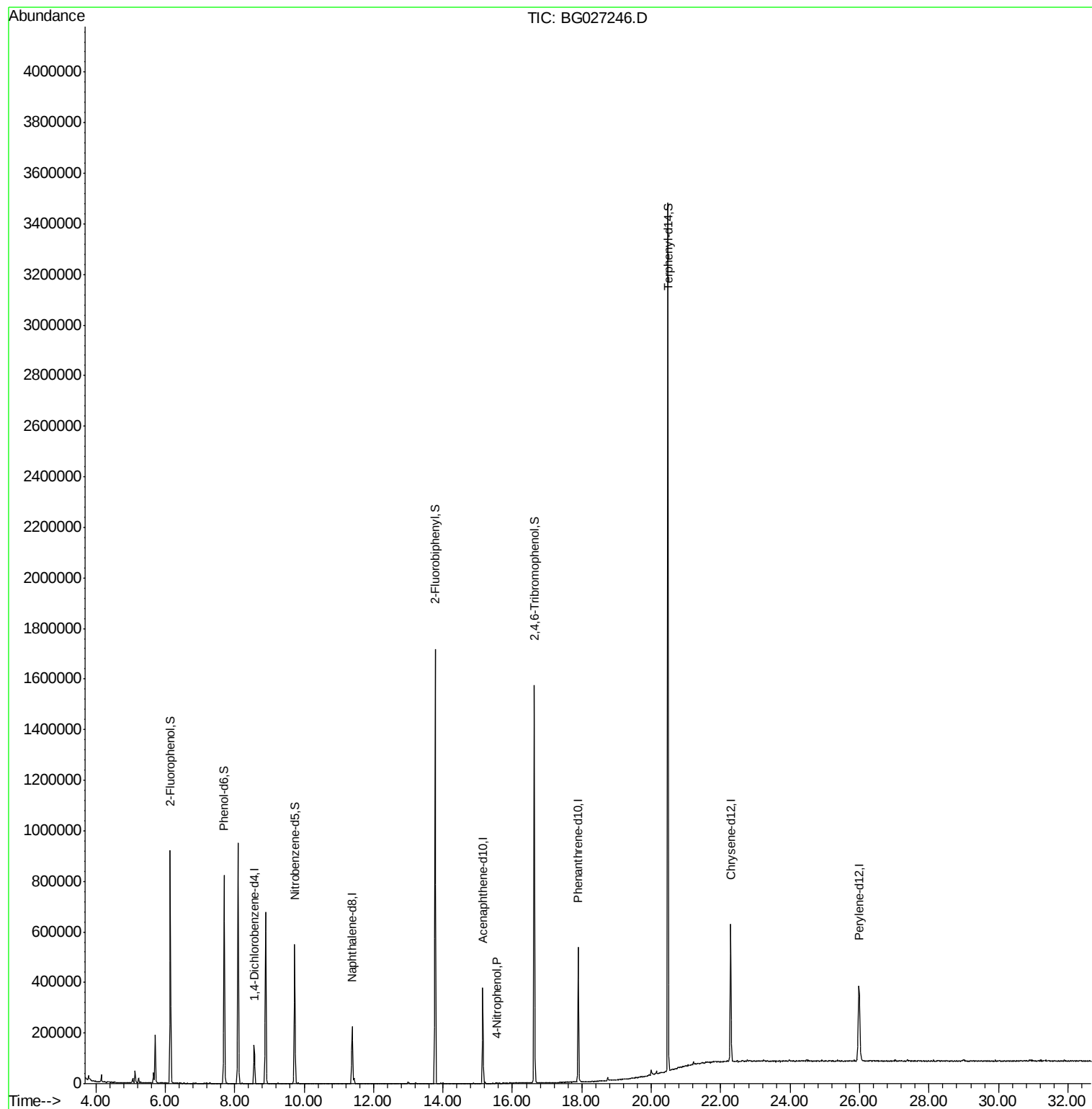
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.57  | 152  | 46557    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 11.38 | 136  | 207932   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 15.15 | 164  | 137213   | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 17.90 | 188  | 357885   | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 22.29 | 240  | 397704   | 20.00  | ng    | -0.02         |
| 86) Perylene-d12            | 25.99 | 264  | 374700   | 20.00  | ng    | -0.04         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 6.15  | 112  | 437121   | 143.27 | ng    | 0.00          |
| 7) Phenol-d6                | 7.70  | 99   | 556172   | 124.19 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.73  | 82   | 364382   | 110.21 | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 318513   | 176.28 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 13.78 | 172  | 944950   | 96.34  | ng    | -0.01         |
| 78) Terphenyl-d14           | 20.48 | 244  | 1610612  | 103.31 | ng    | -0.01         |
| Target Compounds            |       |      |          |        |       |               |
| 55) 4-Nitrophenol           | 15.54 | 139  | 744      | 6.46   | ng    | Qvalue<br># 1 |

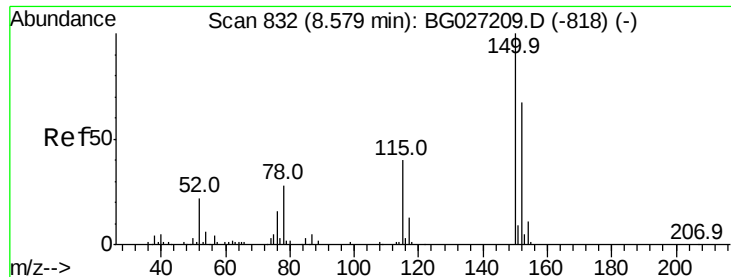
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 05 16:00:35 2017  
Response via : Initial Calibration



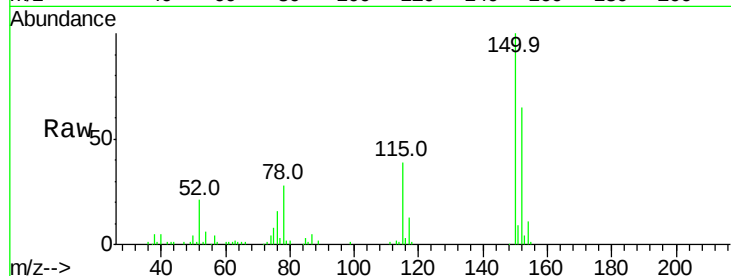


#1

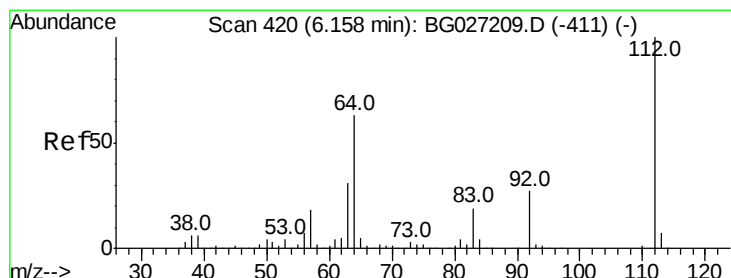
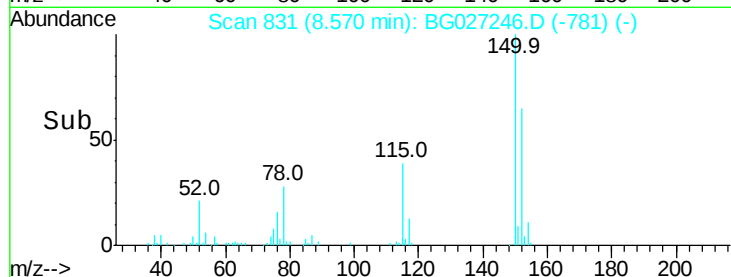
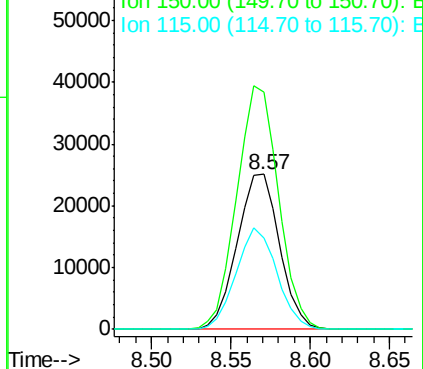
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.57 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BG027246.D  
Acq: 6 Jun 2017 12:57

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 46557  
Ion Ratio Lower Upper  
152 100  
150 153.1 114.0 171.0  
115 59.4 48.1 72.1



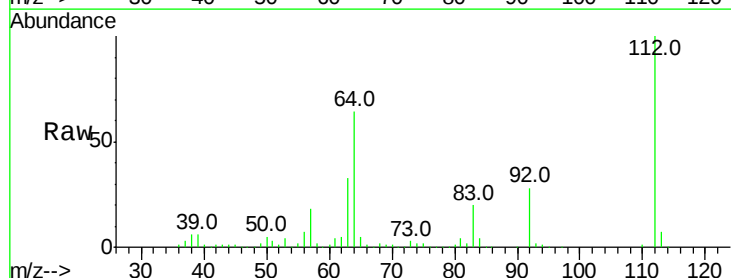
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



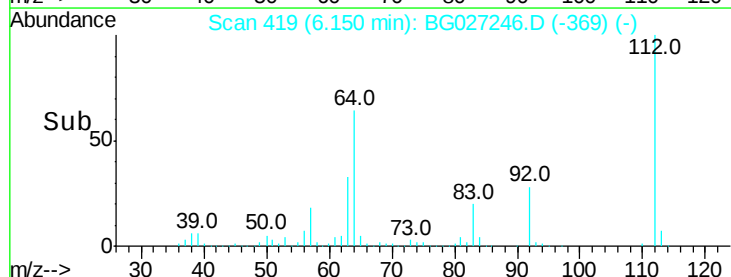
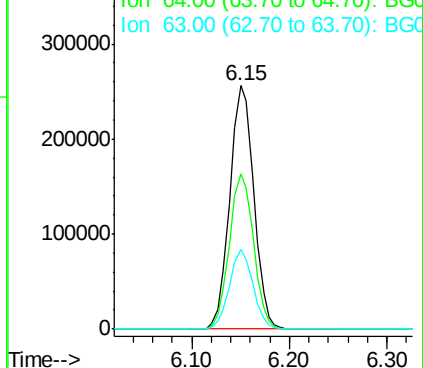
#5

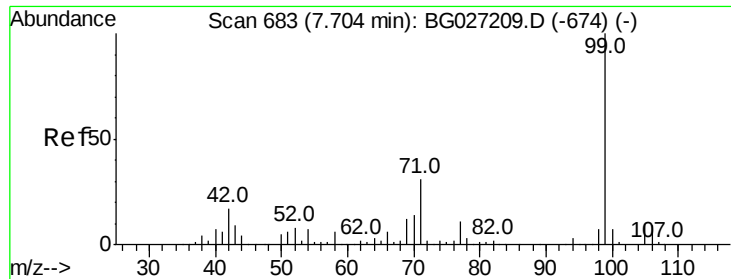
2-Fluorophenol  
Concen: 143.27 ng  
RT: 6.15 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BG027246.D  
Acq: 6 Jun 2017 12:57

Tgt Ion:112 Resp: 437121  
Ion Ratio Lower Upper  
112 100  
64 64.0 61.8 92.6  
63 33.0 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: 124.19 ng

RT: 7.70 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG027246.D

Acq: 6 Jun 2017 12:57

Instrument :

BNA\_G

ClientSampleId :

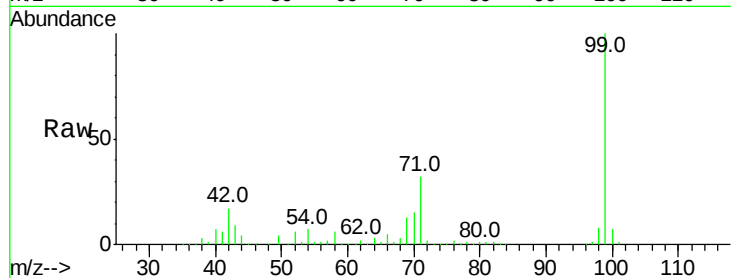
Tot Ion: 99 Resp: 556172

Ion Ratio Lower Upper

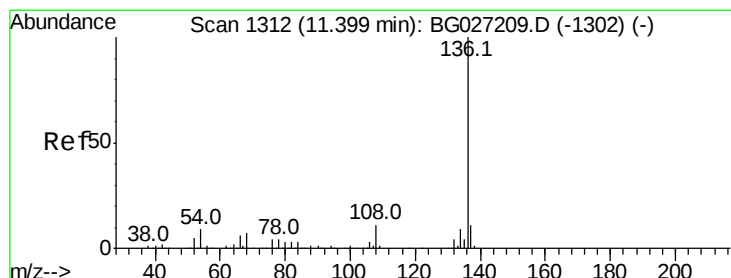
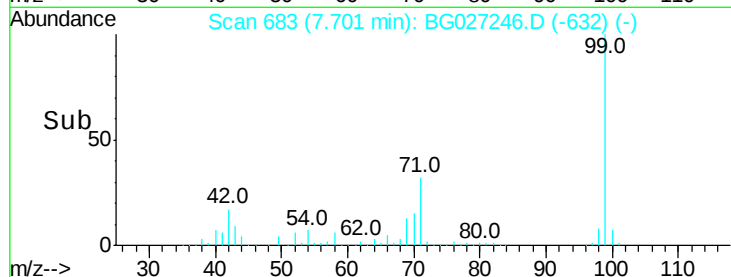
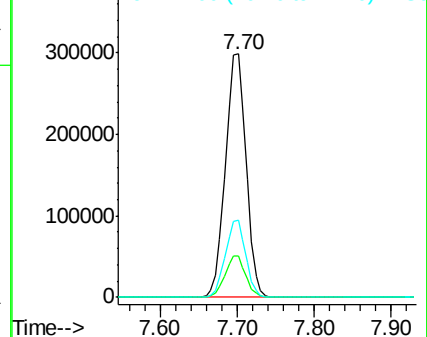
99 100

42 17.0 20.5 30.7#

71 31.8 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: 11.38 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG027246.D

Acq: 6 Jun 2017 12:57

Tgt Ion: 136 Resp: 207932

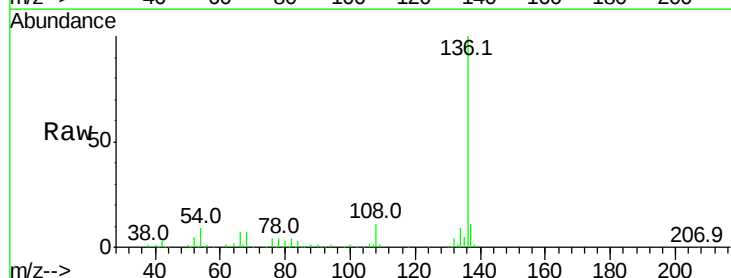
Ion Ratio Lower Upper

136 100

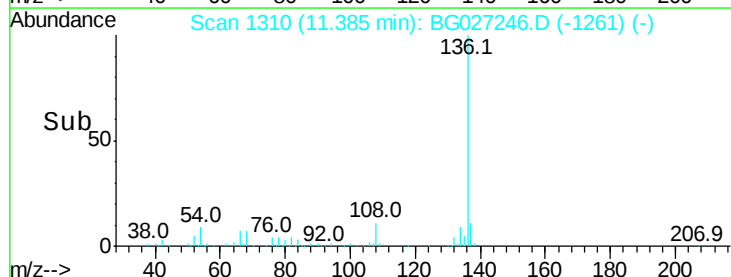
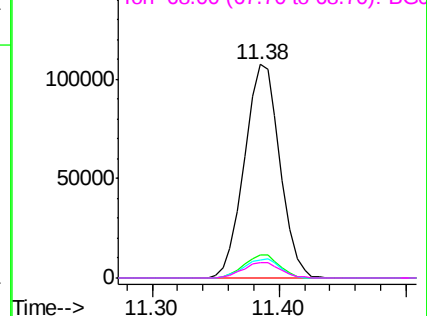
137 10.9 8.9 13.3

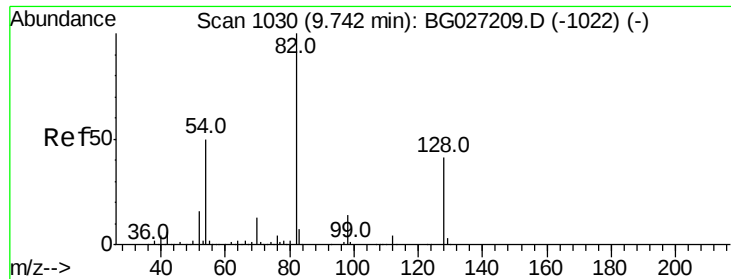
54 8.5 9.3 13.9#

68 7.1 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

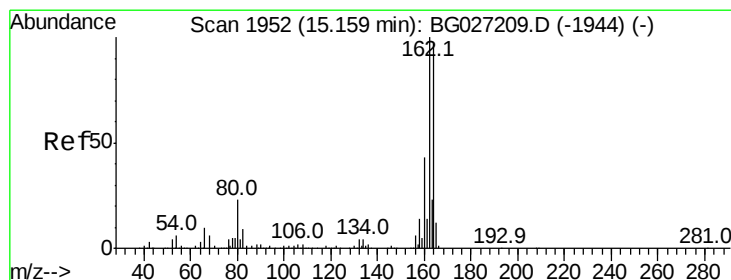
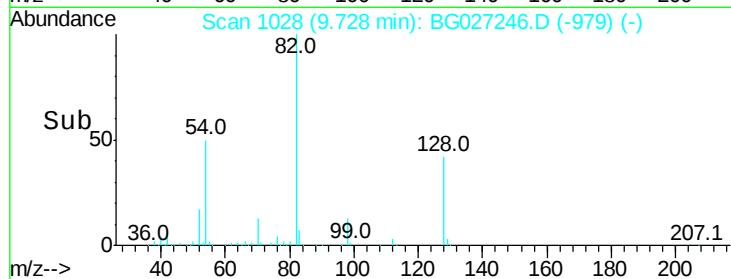
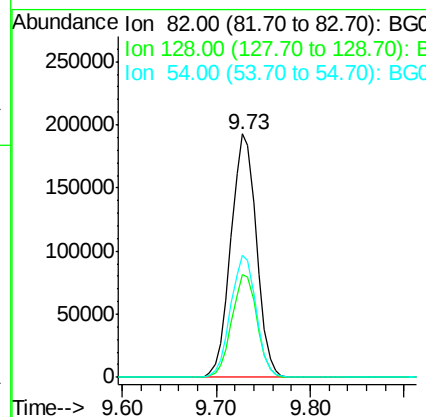
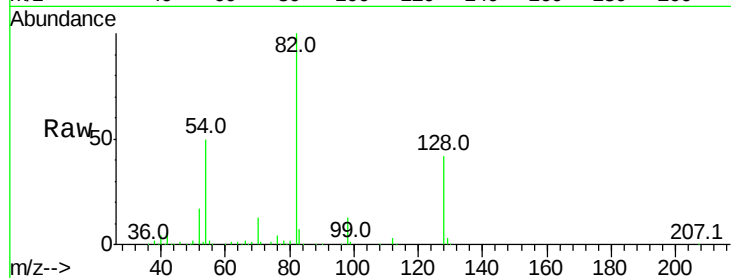




#23  
Nitrobenzene-d5  
Concen: 110.21 ng  
RT: 9.73 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG027246.D  
Acq: 6 Jun 2017 12:57

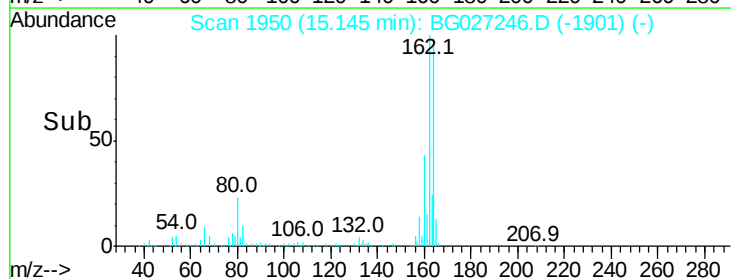
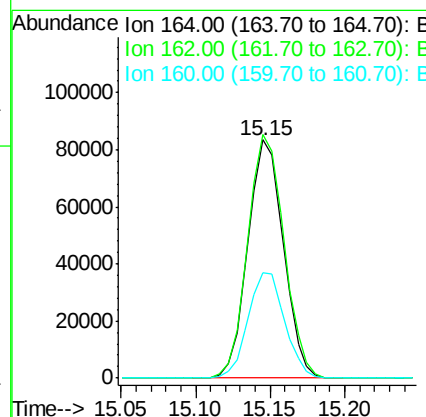
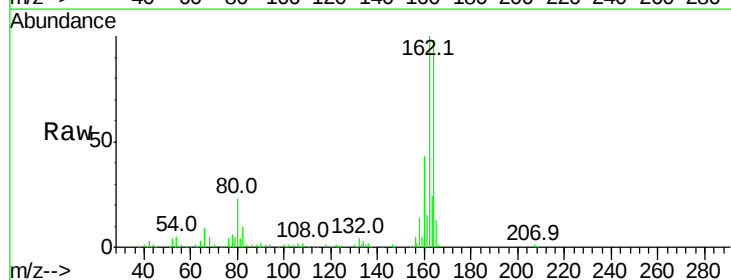
Instrument :  
BNA\_G  
ClientSampleId :

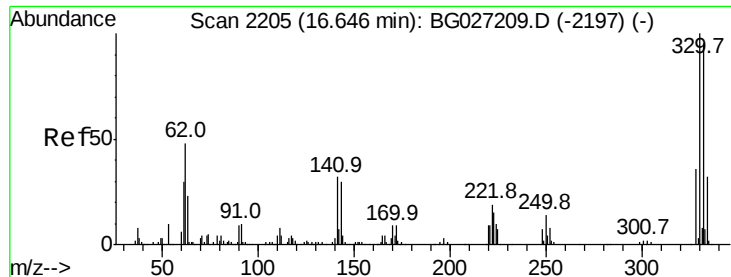
Tot Ion: 82 Resp: 364382  
Ion Ratio Lower Upper  
82 100  
128 42.2 26.4 39.6#  
54 49.9 49.4 74.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.15 min Scan# 1950  
Delta R.T. -0.01 min  
Lab File: BG027246.D  
Acq: 6 Jun 2017 12:57

Tgt Ion:164 Resp: 137213  
Ion Ratio Lower Upper  
164 100  
162 102.2 85.1 127.7  
160 44.1 34.7 52.1

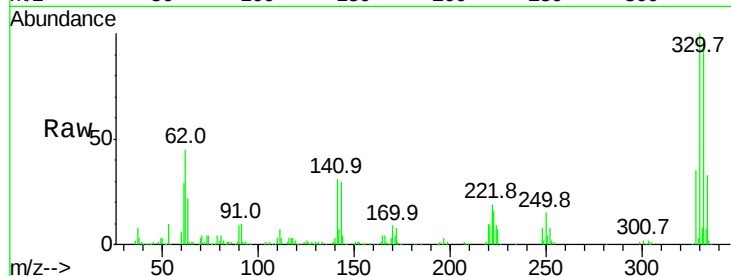




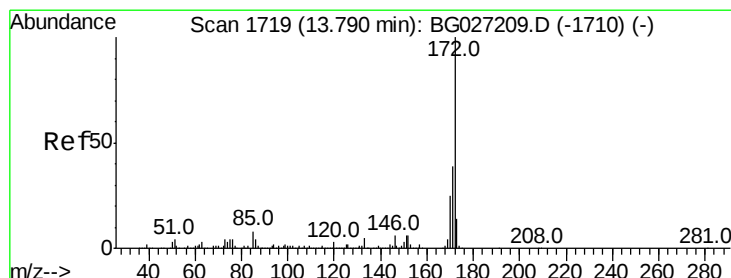
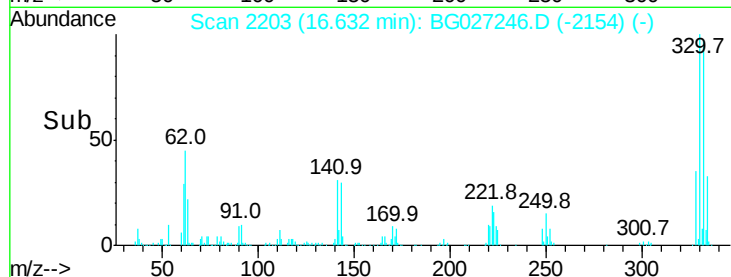
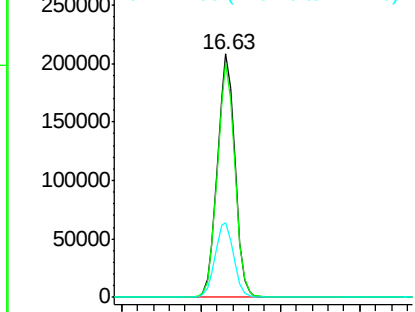
#41  
 2,4,6-Tribromophenol  
 Concen: 176.28 ng  
 RT: 16.63 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG027246.D  
 Acq: 6 Jun 2017 12:57

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.3  | 115.9 |
| 141     | 32.3  | 32.1  | 48.1  |

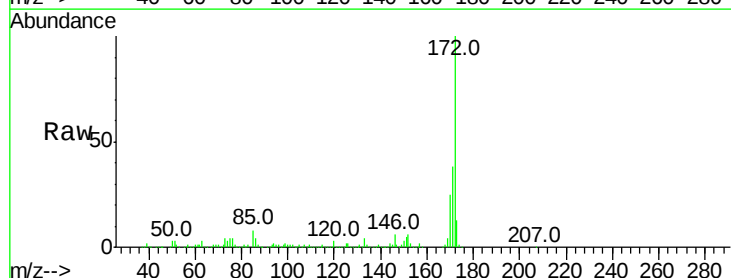


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

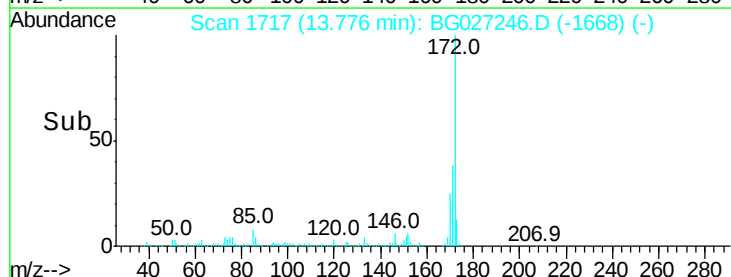
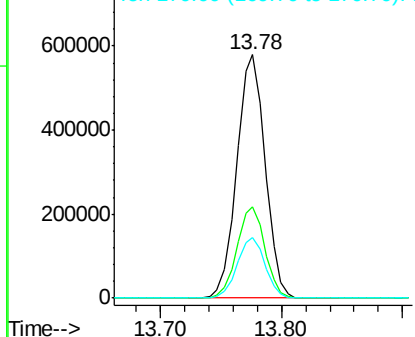


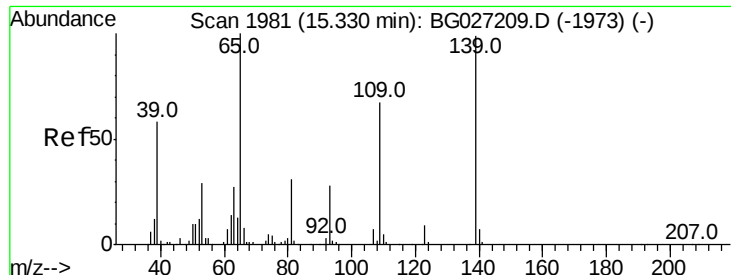
#44  
 2-Fluorobiphenyl  
 Concen: 96.34 ng  
 RT: 13.78 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BG027246.D  
 Acq: 6 Jun 2017 12:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 32.2  | 48.2  |
| 170     | 24.7  | 21.8  | 32.6  |



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

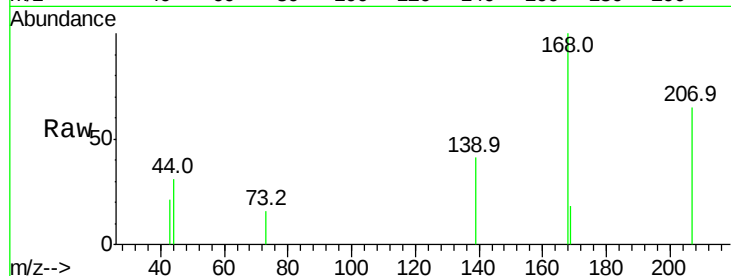




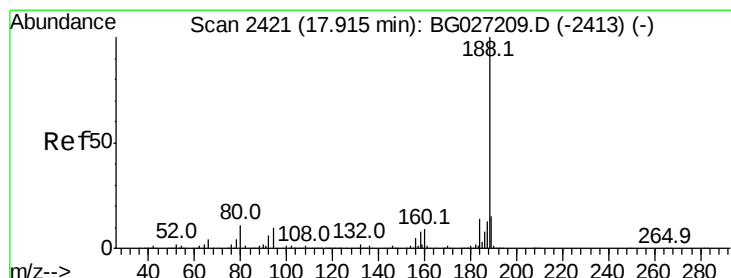
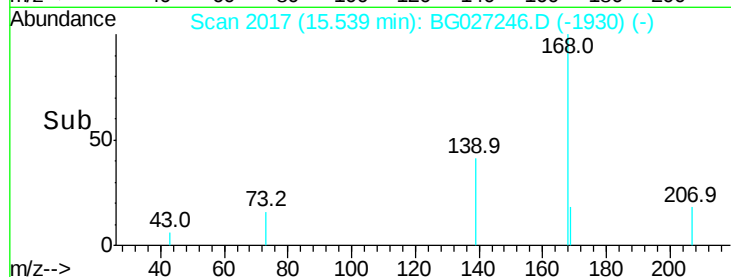
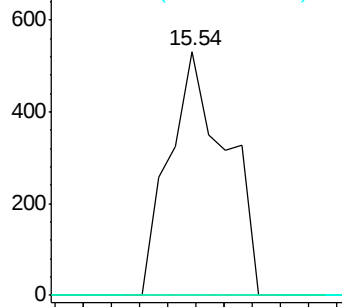
#55  
4-Nitrophenol  
Concen: 6.46 ng  
RT: 15.54 min Scan# 2017  
Delta R.T. 0.21 min  
Lab File: BG027246.D  
Acq: 6 Jun 2017 12:57

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:139 Resp: 744  
Ion Ratio Lower Upper  
139 100  
109 0.0 101.2 141.2#  
65 0.0 135.3 175.3#

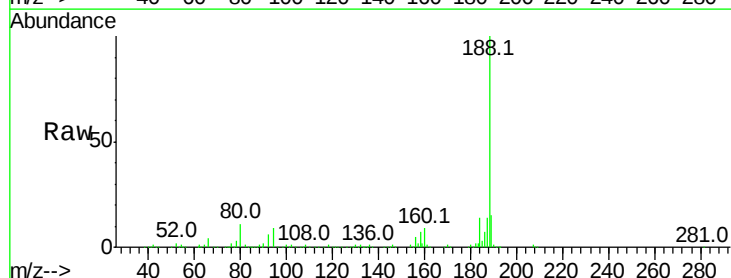


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

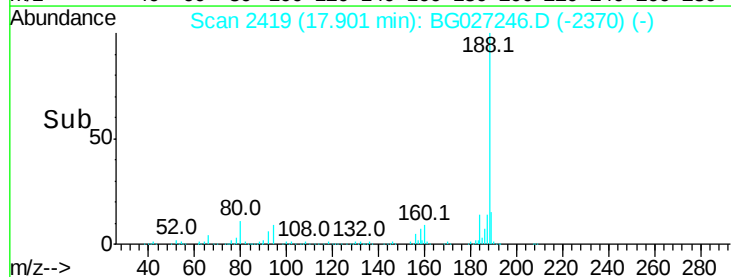
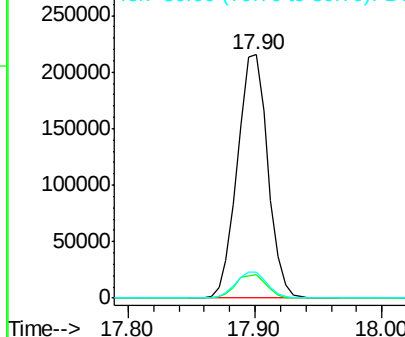


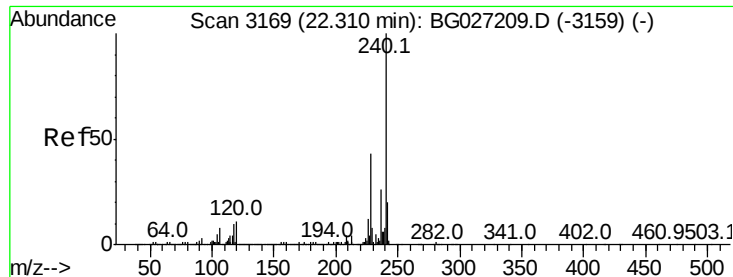
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.90 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG027246.D  
Acq: 6 Jun 2017 12:57

Tgt Ion:188 Resp: 357885  
Ion Ratio Lower Upper  
188 100  
94 9.5 5.8 8.8#  
80 10.7 7.5 11.3



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: 22.29 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BG027246.D

Acq: 6 Jun 2017 12:57

Instrument :

BNA\_G

ClientSampled :

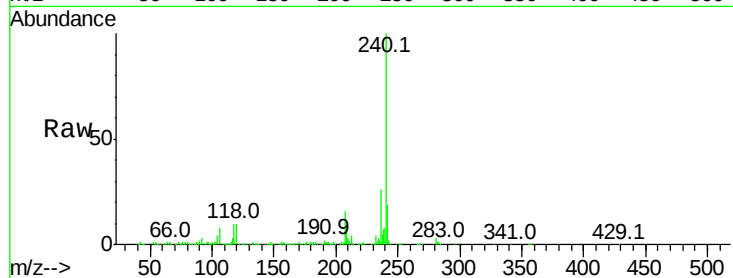
Tot Ion:240 Resp: 397704

Ion Ratio Lower Upper

240 100

120 10.3 5.7 8.5#

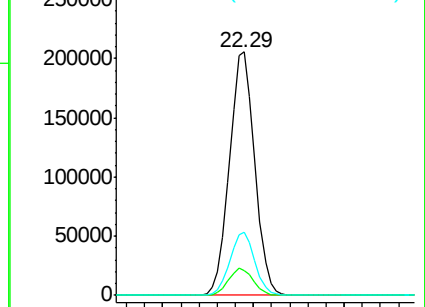
236 25.7 22.2 33.4



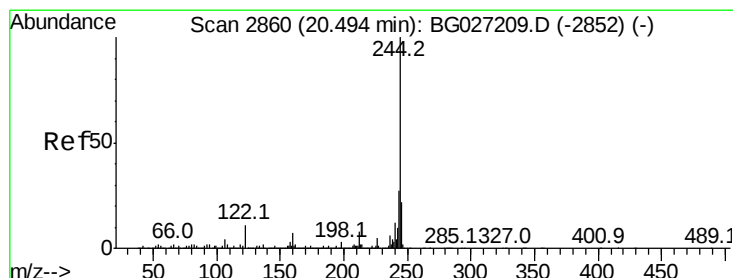
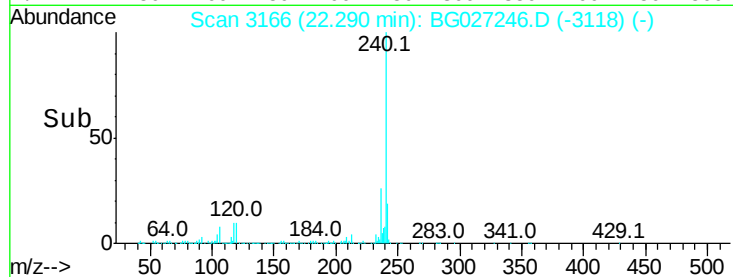
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 103.31 ng

RT: 20.48 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG027246.D

Acq: 6 Jun 2017 12:57

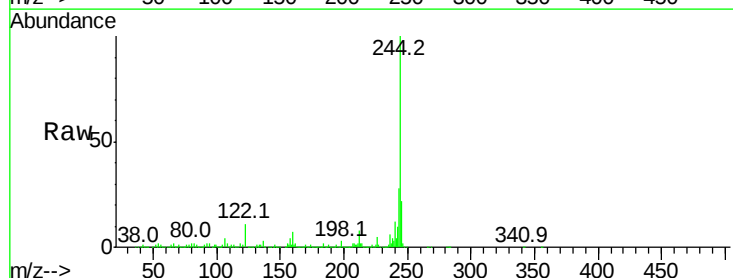
Tgt Ion:244 Resp: 1610612

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

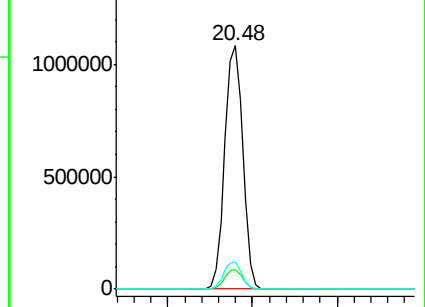
122 11.2 8.6 12.8



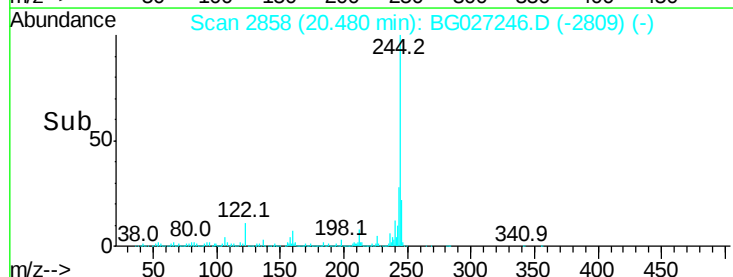
Abundance Ion 244.00 (243.70 to 244.70): E

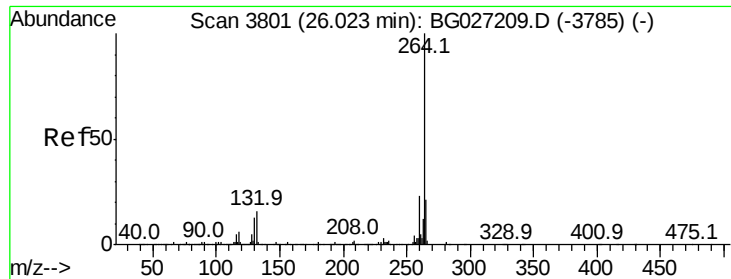
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.99 min Scan# 3795  
 Delta R.T. -0.04 min  
 Lab File: BG027246.D  
 Acq: 6 Jun 2017 12:57

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 21.8  | 32.8  |
| 265     | 21.6  | 18.2  | 27.4  |

