

Data Path : Z:\HPCHEM1\BNA G\Data\BG060617\  
 Data File : BG027274.D  
 Acq On : 7 Jun 2017 8:51  
 Operator : SJ/MA  
 Sample : I3478-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 07 12:12:09 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

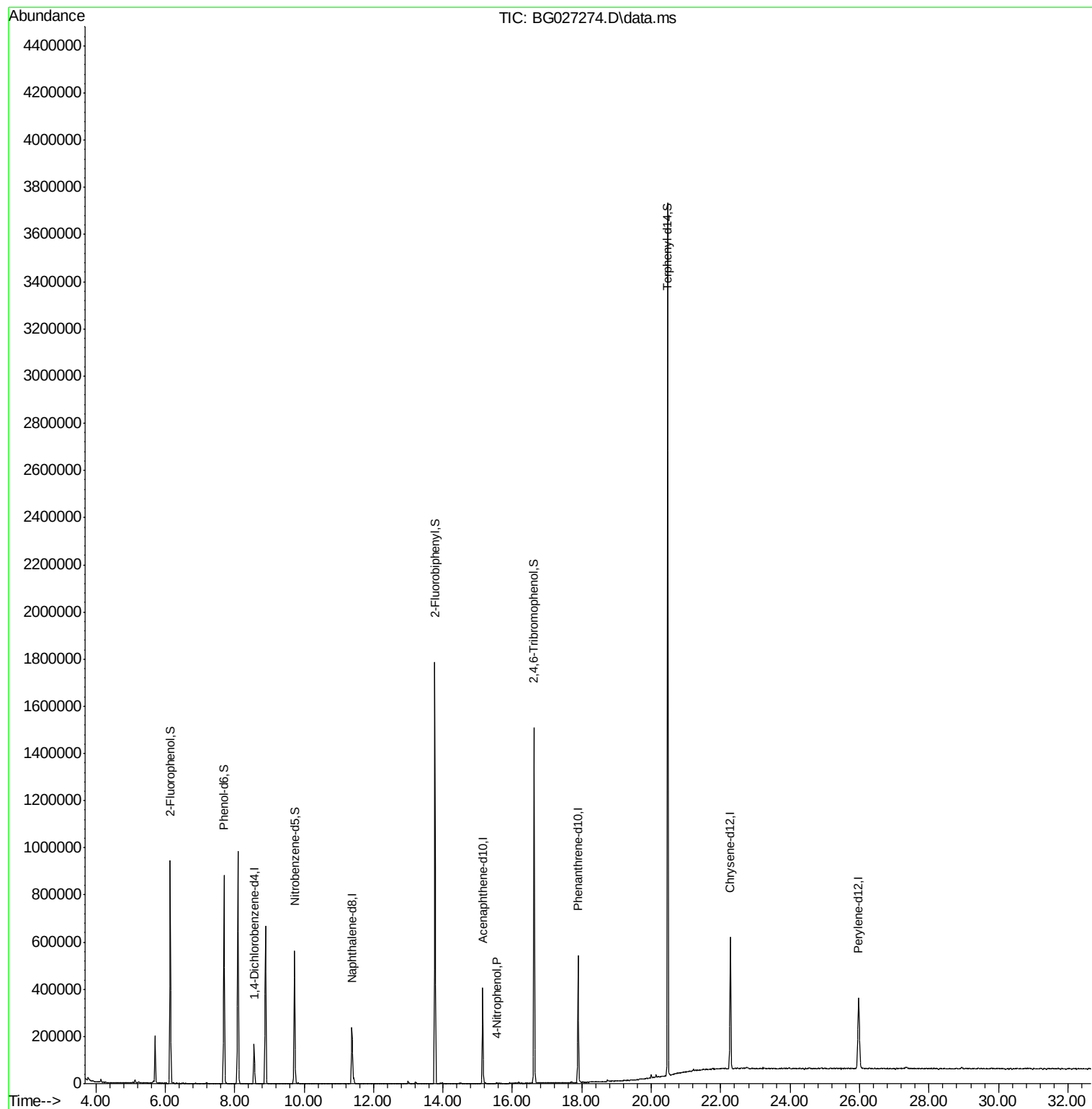
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|--------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.564  | 152  | 48180    | 20.00  | ng    | -0.02         |
| 21) Naphthalene-d8          | 11.378 | 136  | 221904   | 20.00  | ng    | -0.02         |
| 38) Acenaphthene-d10        | 15.144 | 164  | 141869   | 20.00  | ng    | -0.02         |
| 63) Phenanthrene-d10        | 17.894 | 188  | 345721   | 20.00  | ng    | -0.02         |
| 75) Chrysene-d12            | 22.277 | 240  | 400765   | 20.00  | ng    | -0.03         |
| 86) Perylene-d12            | 25.973 | 264  | 371621   | 20.00  | ng    | -0.05         |
| System Monitoring Compounds |        |      |          |        |       |               |
| 5) 2-Fluorophenol           | 6.143  | 112  | 454001   | 143.79 | ng    | -0.01         |
| 7) Phenol-d6                | 7.694  | 99   | 585502   | 126.33 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.727  | 82   | 379631   | 107.59 | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 16.625 | 330  | 307260   | 164.47 | ng    | -0.02         |
| 44) 2-Fluorobiphenyl        | 13.769 | 172  | 957512   | 94.42  | ng    | -0.02         |
| 78) Terphenyl-d14           | 20.473 | 244  | 1630398  | 103.78 | ng    | -0.02         |
| Target Compounds            |        |      |          |        |       |               |
| 55) 4-Nitrophenol           | 15.544 | 139  | 788      | 6.47   | ng    | Qvalue<br># 1 |

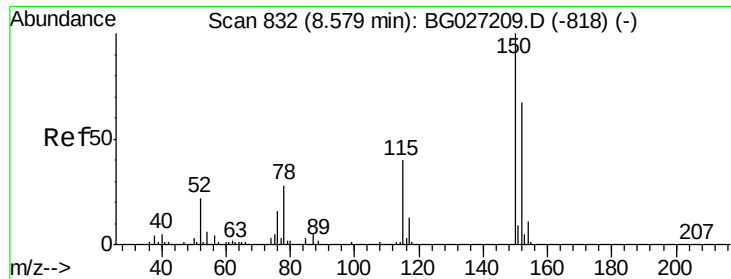
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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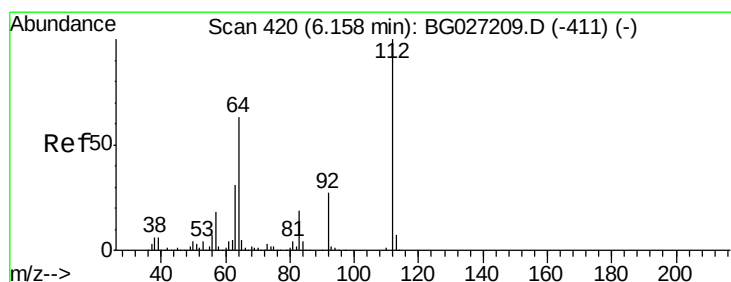
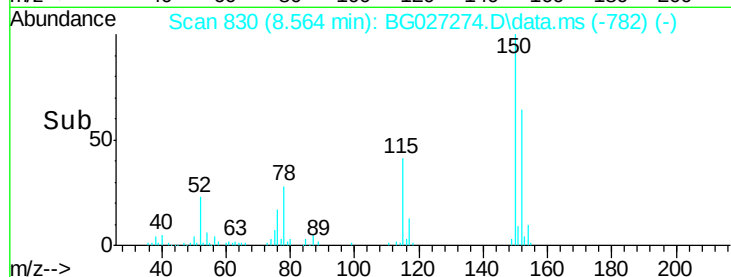
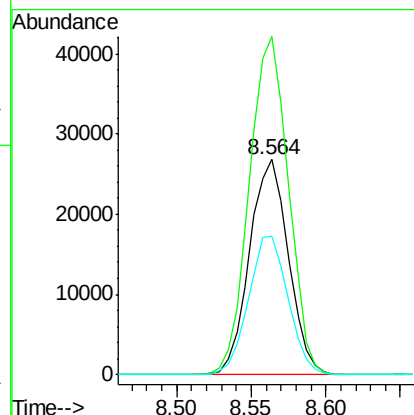
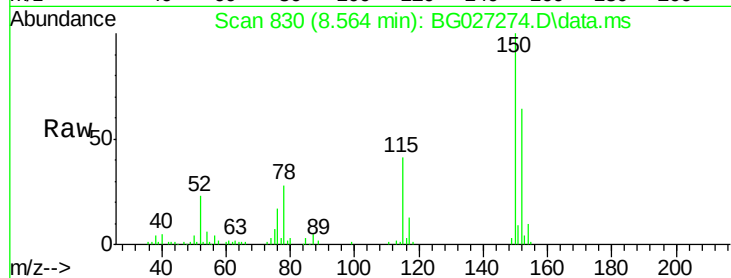




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.564 min Scan# 83  
 Delta R.T. -0.015 min  
 Lab File: BG027274.D  
 Acq: 7 Jun 2017 8:51

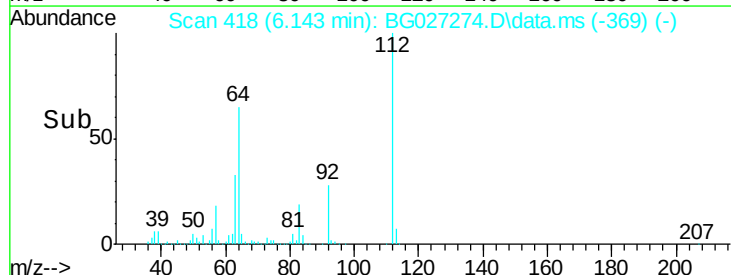
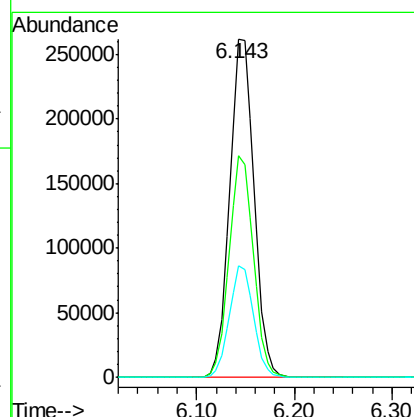
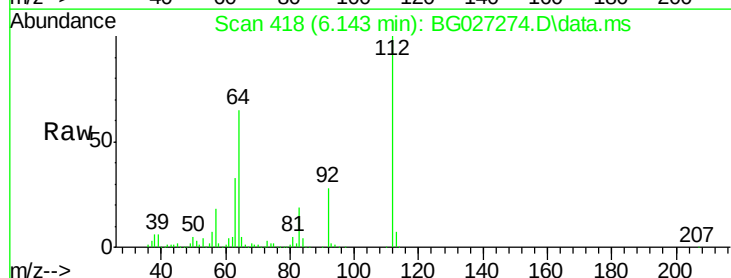
Instrument :  
 BNA\_G  
 ClientSampleId :

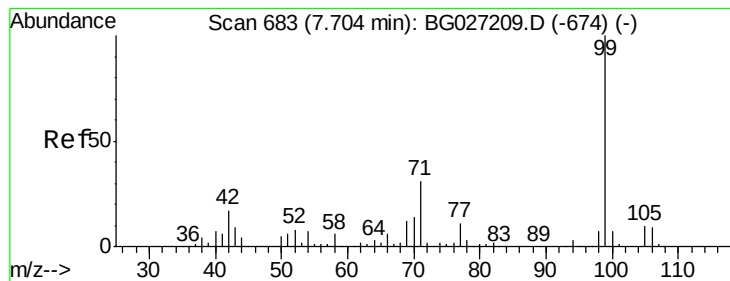
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 114.0 | 171.0 |
| 115     | 64.7  | 48.1  | 72.1  |



#5  
 2-Fluorophenol  
 Concen: 143.79 ng  
 RT: 6.143 min Scan# 418  
 Delta R.T. -0.015 min  
 Lab File: BG027274.D  
 Acq: 7 Jun 2017 8:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.4  | 61.8  | 92.6  |
| 63      | 32.8  | 37.2  | 55.8# |





#7

Phenol-d6

Concen: 126.33 ng

RT: 7.694 min Scan# 68

Delta R.T. -0.009 min

Lab File: BG027274.D

Acq: 7 Jun 2017 8:51

Instrument :

BNA\_G

ClientSampleId :

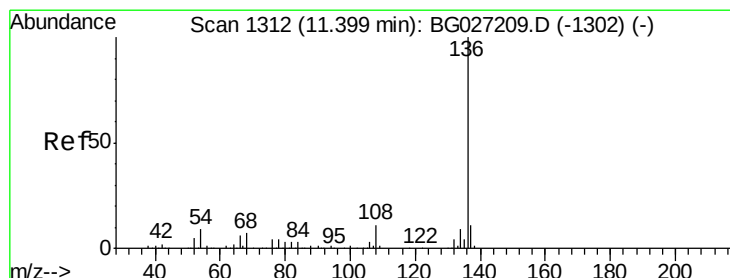
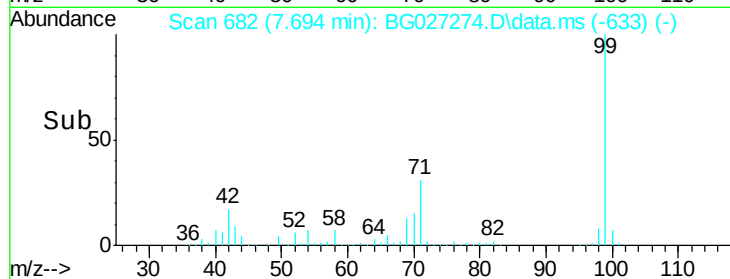
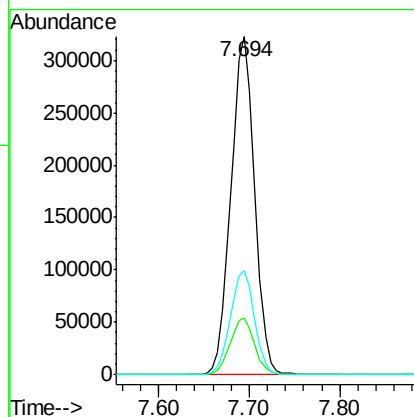
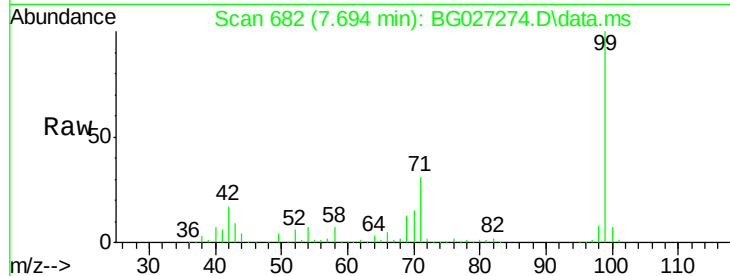
Tot Ion: 99 Resp: 585502

Ion Ratio Lower Upper

99 100

42 16.7 20.5 30.7#

71 30.9 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.378 min Scan# 1309

Delta R.T. -0.021 min

Lab File: BG027274.D

Acq: 7 Jun 2017 8:51

Tgt Ion: 136 Resp: 221904

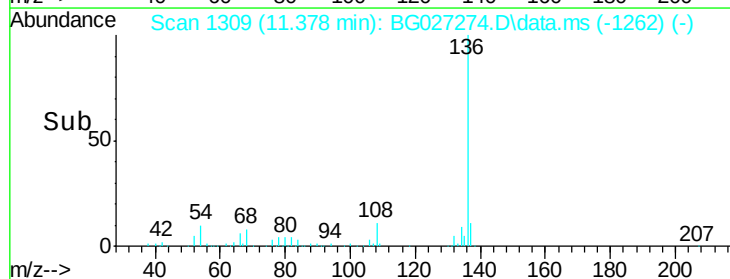
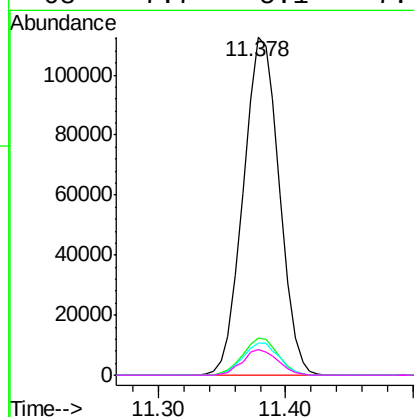
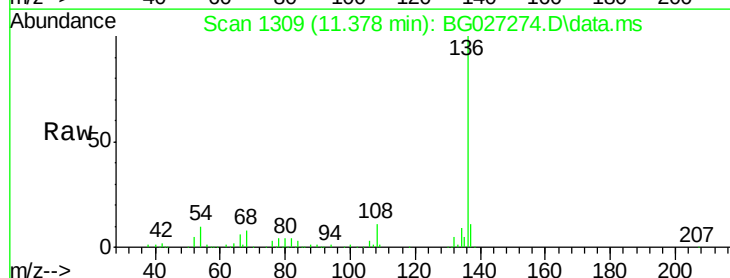
Ion Ratio Lower Upper

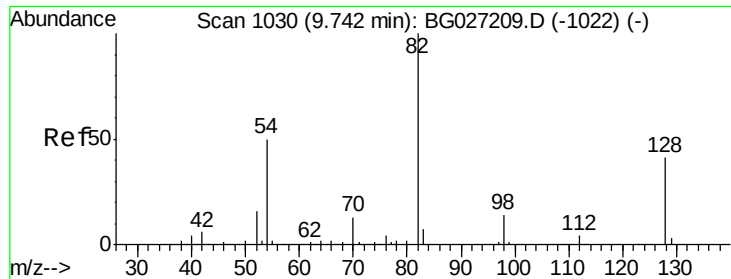
136 100

137 11.0 8.9 13.3

54 9.6 9.3 13.9

68 7.7 5.1 7.7#

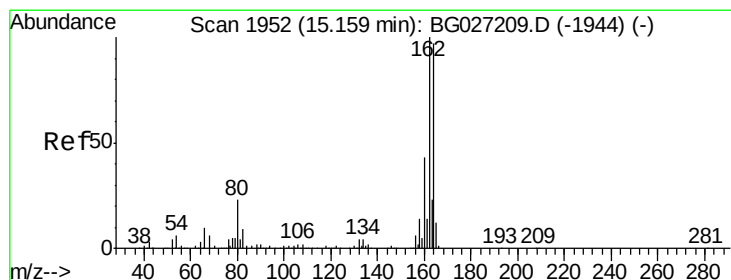
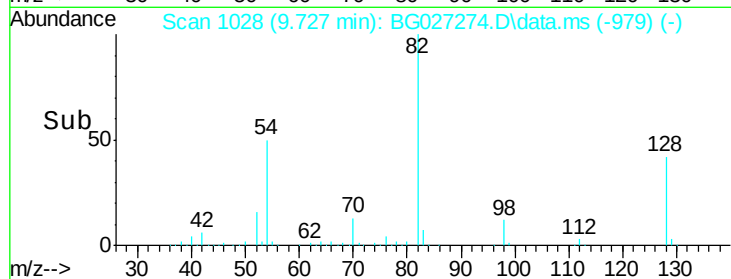
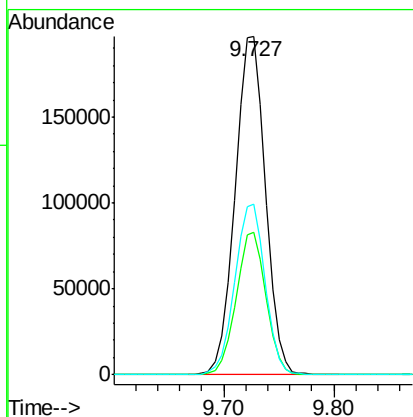
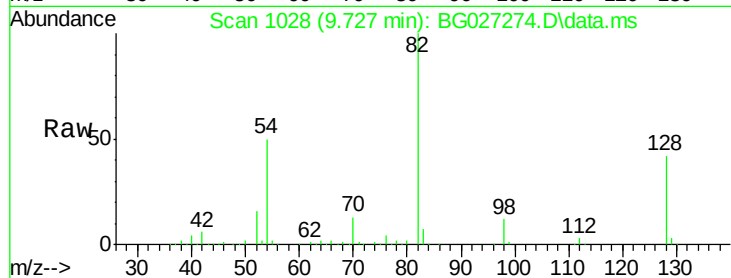




#23  
 Nitrobenzene-d5  
 Concen: 107.59 ng  
 RT: 9.727 min Scan# 10  
 Delta R.T. -0.015 min  
 Lab File: BG027274.D  
 Acq: 7 Jun 2017 8:51

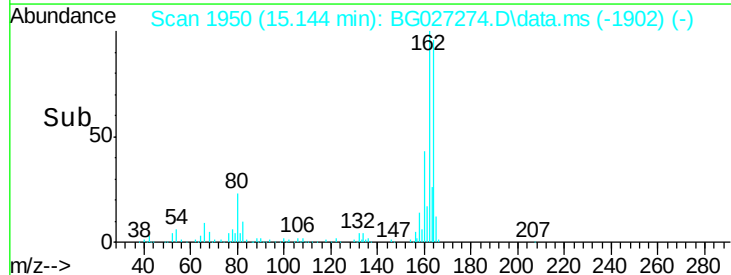
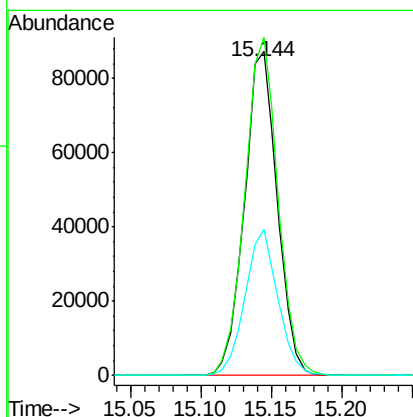
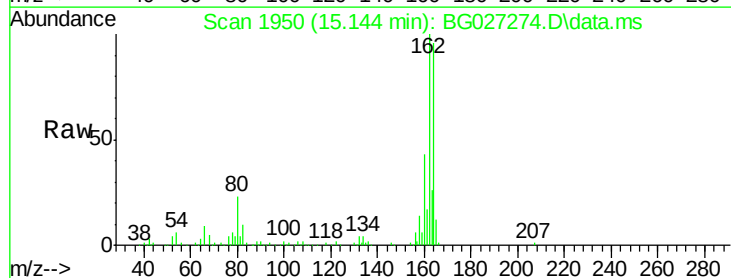
Instrument :  
 BNA\_G  
 ClientSampleId :

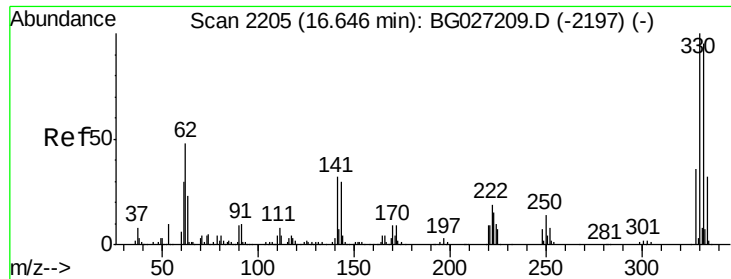
| Tot Ion   | 82   | Resp  | 379631 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.1 | 26.4  | 39.6#  |
| 54        | 50.4 | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.144 min Scan# 1950  
 Delta R.T. -0.015 min  
 Lab File: BG027274.D  
 Acq: 7 Jun 2017 8:51

| Tgt Ion   | 164   | Resp  | 141869 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 104.4 | 85.1  | 127.7  |
| 160       | 45.2  | 34.7  | 52.1   |

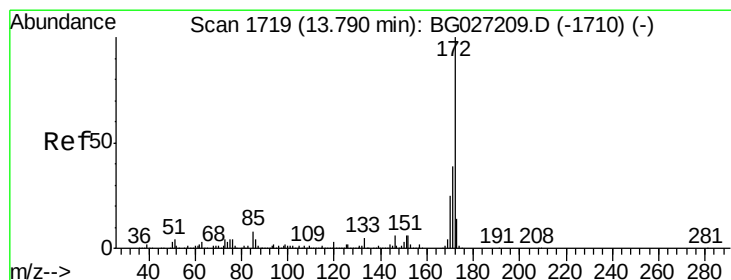
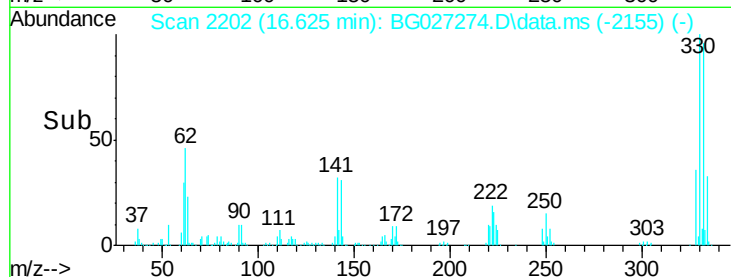
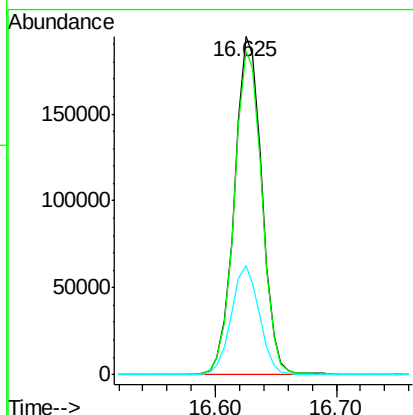
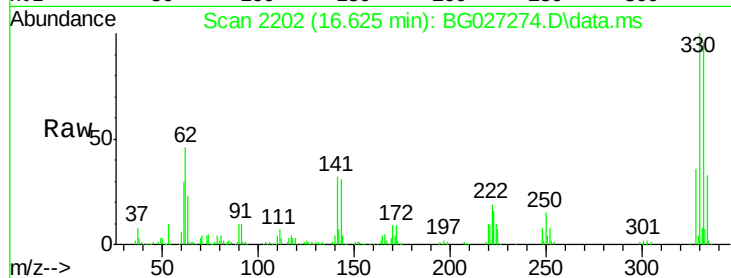




#41  
 2,4,6-Tribromophenol  
 Concen: 164.47 ng  
 RT: 16.625 min Scan# 22  
 Delta R.T. -0.021 min  
 Lab File: BG027274.D  
 Acq: 7 Jun 2017 8:51

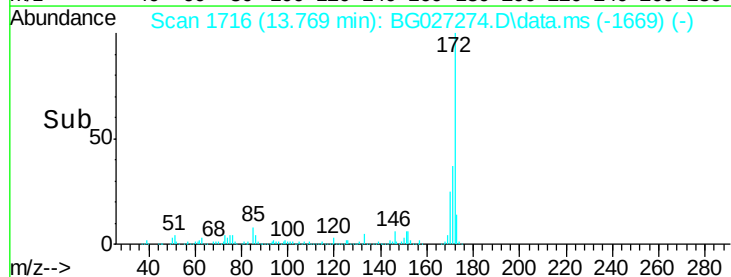
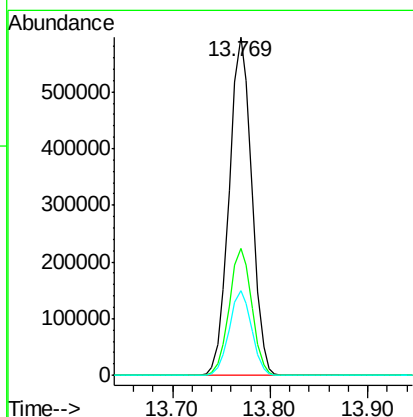
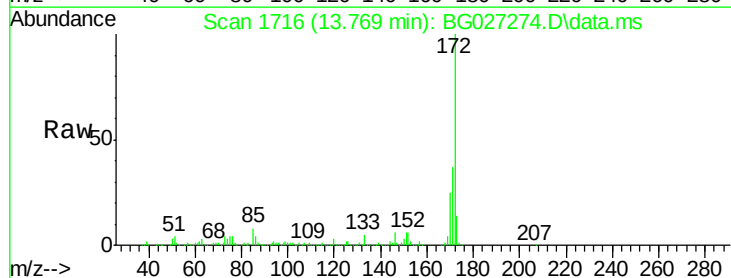
Instrument :  
 BNA\_G  
 ClientSampleId :

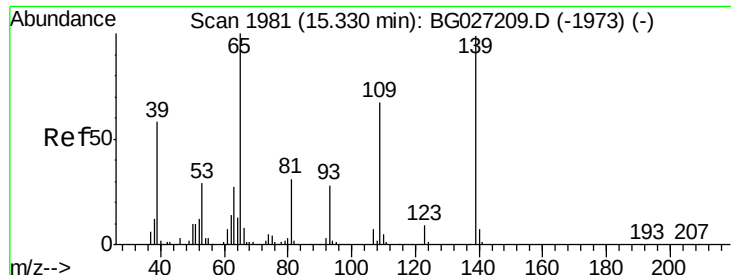
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.3  | 115.9 |
| 141     | 33.0  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 94.42 ng  
 RT: 13.769 min Scan# 1716  
 Delta R.T. -0.021 min  
 Lab File: BG027274.D  
 Acq: 7 Jun 2017 8:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 32.2  | 48.2  |
| 170     | 25.1  | 21.8  | 32.6  |





#55

4-Nitrophenol

Concen: 6.47 ng

RT: 15.544 min Scan# 20

Delta R.T. 0.215 min

Lab File: BG027274.D

Acq: 7 Jun 2017 8:51

Instrument :

BNA\_G

ClientSampleId :

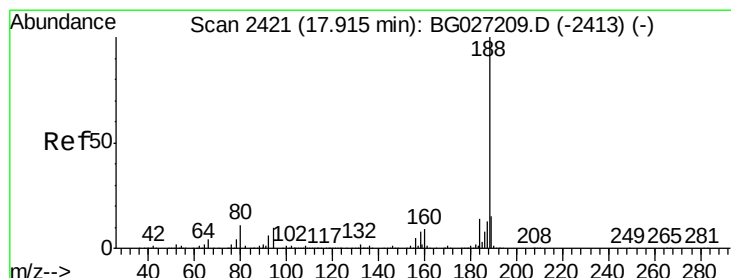
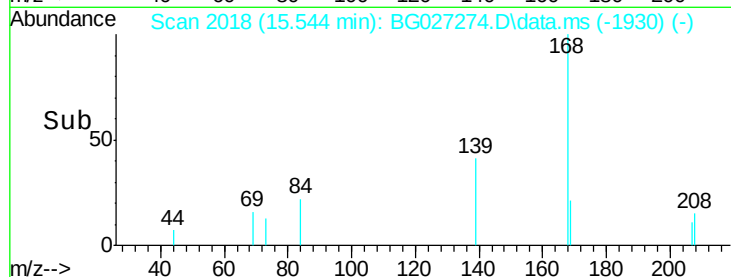
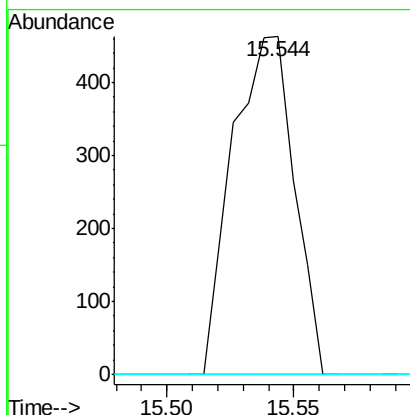
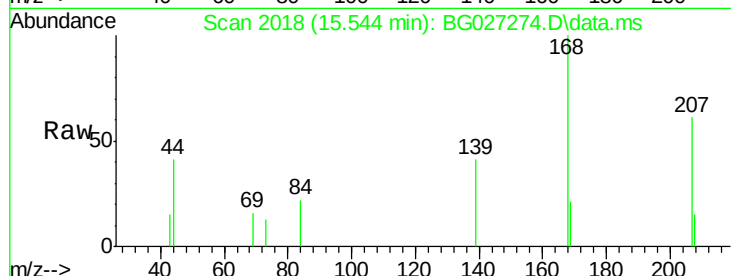
Tot Ion:139 Resp: 788

Ion Ratio Lower Upper

139 100

109 0.0 101.2 141.2#

65 0.0 135.3 175.3#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.894 min Scan# 2418

Delta R.T. -0.021 min

Lab File: BG027274.D

Acq: 7 Jun 2017 8:51

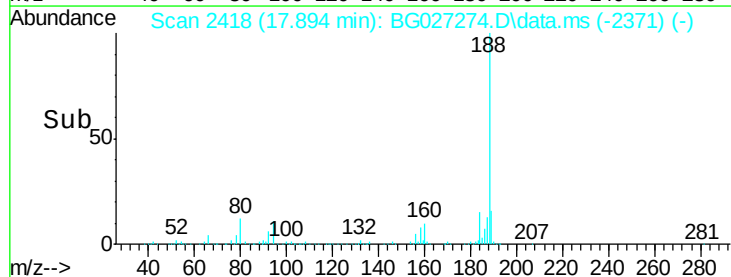
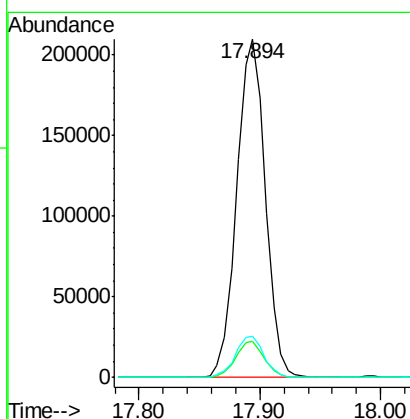
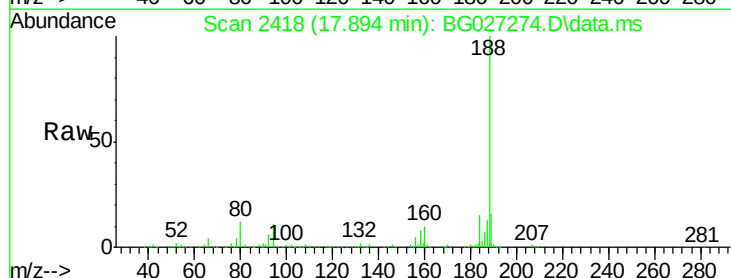
Tgt Ion:188 Resp: 345721

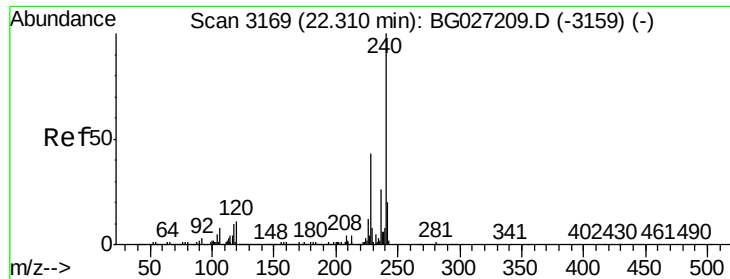
Ion Ratio Lower Upper

188 100

94 10.7 5.8 8.8#

80 12.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.277 min Scan# 31

Delta R.T. -0.033 min

Lab File: BG027274.D

Acq: 7 Jun 2017 8:51

Instrument :

BNA\_G

ClientSampleId :

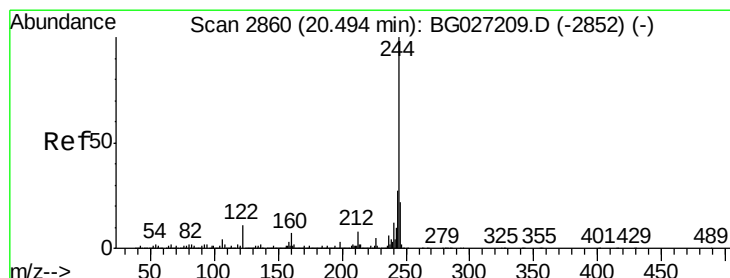
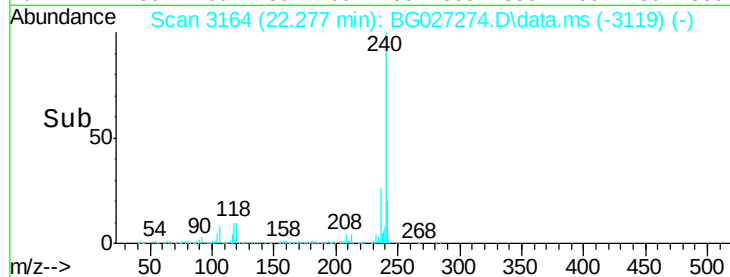
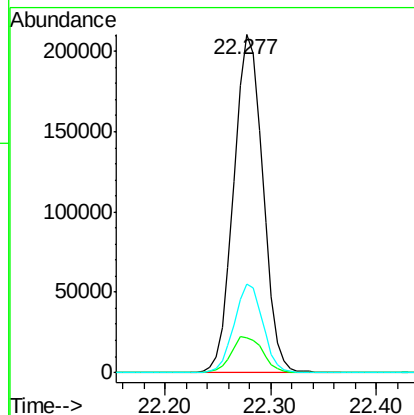
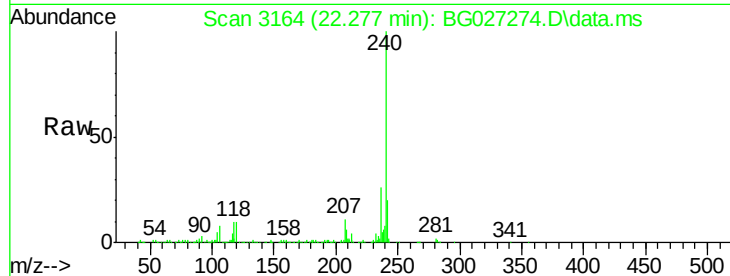
Tot Ion:240 Resp: 400765

Ion Ratio Lower Upper

240 100

120 10.4 5.7 8.5#

236 26.0 22.2 33.4



#78

Terphenyl-d14

Concen: 103.78 ng

RT: 20.473 min Scan# 2857

Delta R.T. -0.021 min

Lab File: BG027274.D

Acq: 7 Jun 2017 8:51

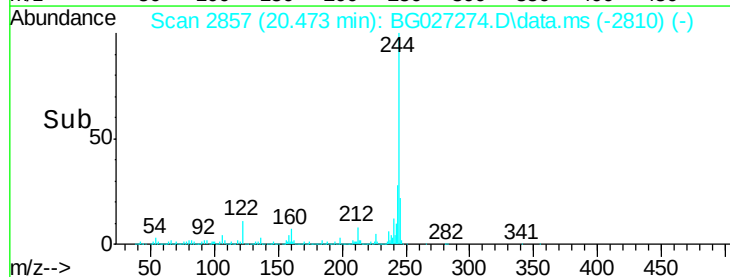
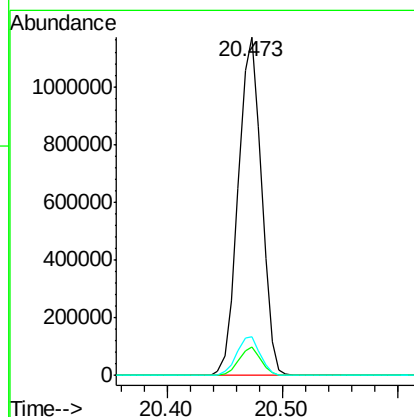
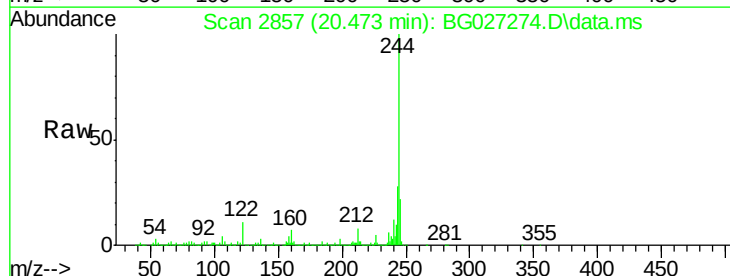
Tgt Ion:244 Resp: 1630398

Ion Ratio Lower Upper

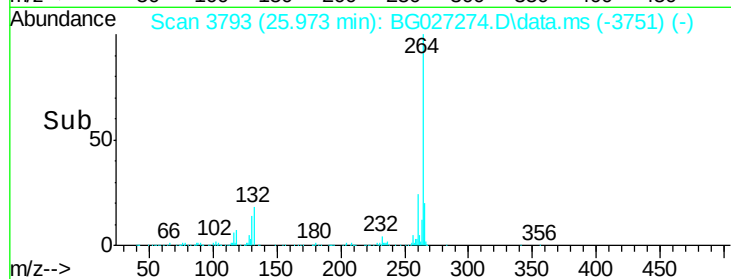
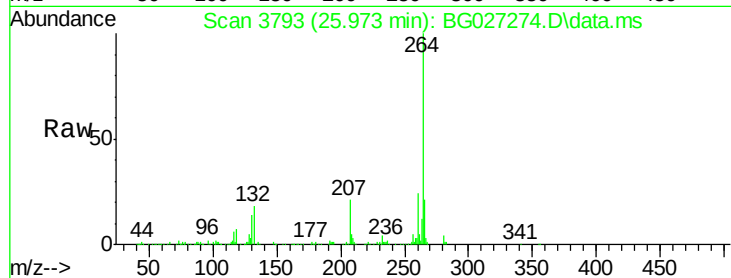
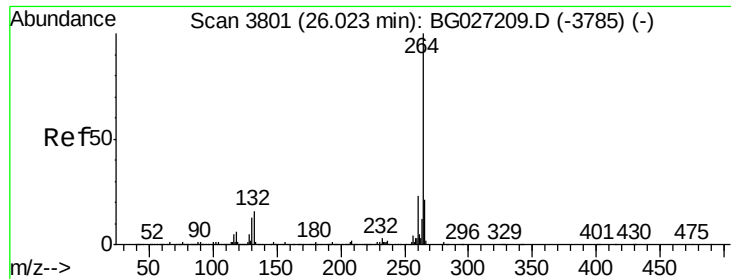
244 100

212 8.4 10.0 15.0#

122 11.5 8.6 12.8







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.973 min Scan# 37  
Delta R.T. -0.050 min  
Lab File: BG027274.D  
Acq: 7 Jun 2017 8:51

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 21.8  | 32.8  |
| 265     | 20.8  | 18.2  | 27.4  |

