

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091916\  
 Data File : BG024027.D  
 Acq On : 19 Sep 2016 20:48  
 Operator : UM/SJ  
 Sample : H4819-15  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YORK-MW11-04

Quant Time: Sep 20 01:12:51 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 20 01:00:00 2016  
 Response via : Initial Calibration

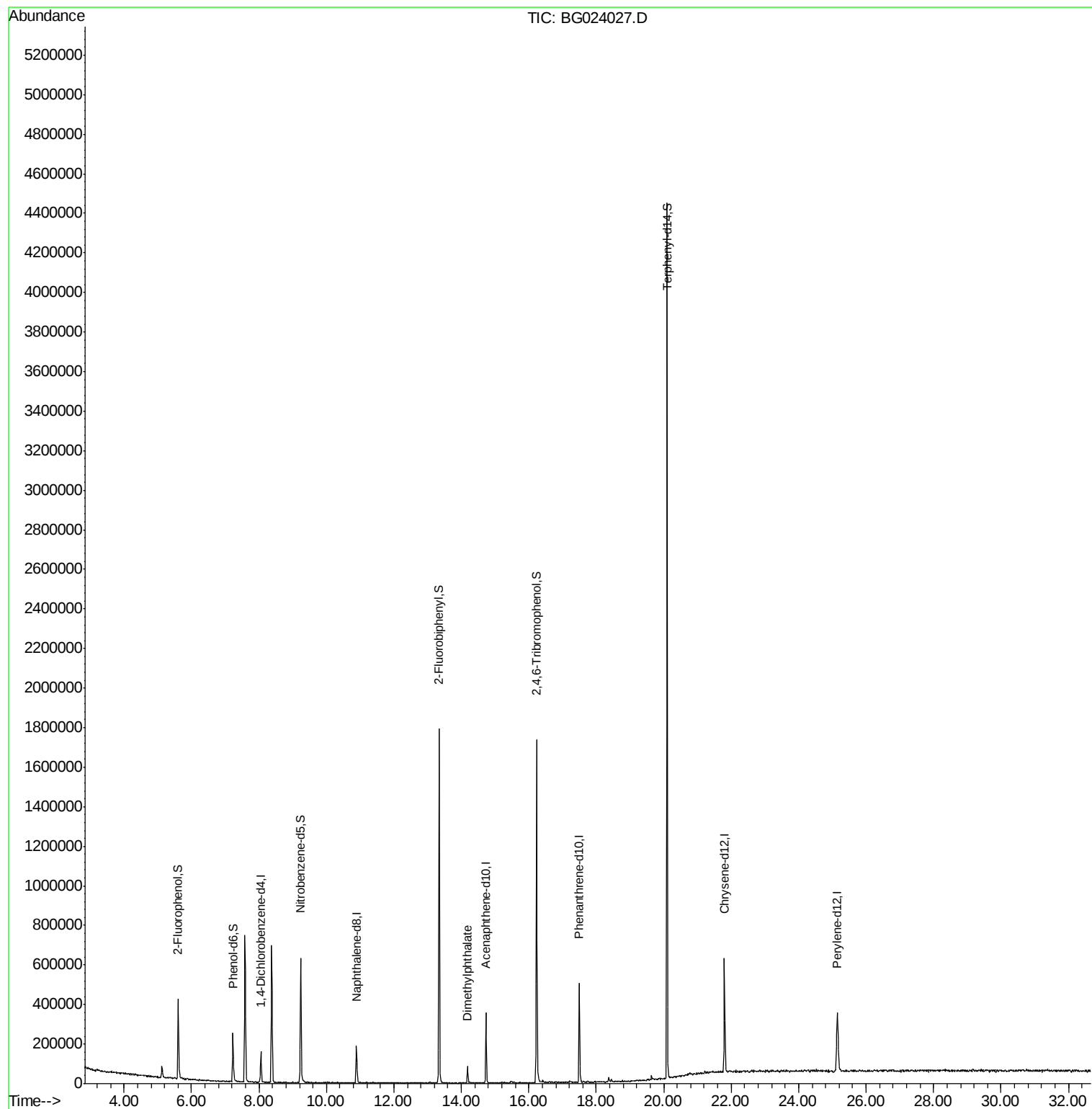
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 35115    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.89 | 136  | 155569   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.73 | 164  | 130675   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.49 | 188  | 318623   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.80 | 240  | 387474   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.14 | 264  | 381241   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.60  | 112  | 156604   | 78.30  | ng    | 0.00           |
| 7) Phenol-d6                | 7.23  | 99   | 140354   | 45.59  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 401720   | 115.28 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 317682   | 134.93 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 833797   | 91.48  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.10 | 244  | 1685341  | 99.06  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.18 | 163  | 56022    | 5.00   | ng    | Qvalue<br># 98 |

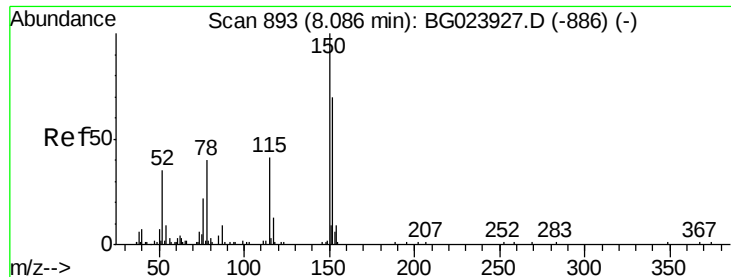
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 888

Delta R.T. -0.00 min

Lab File: BG024027.D

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BNA\_G

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YORK-MW11-04

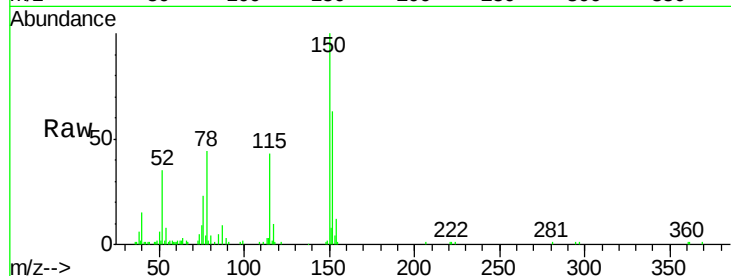
Tot Ion:152 Resp: 35115

Ion Ratio Lower Upper

152 100

150 158.5 144.7 217.1

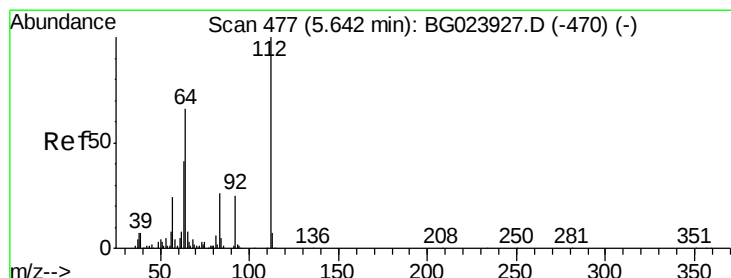
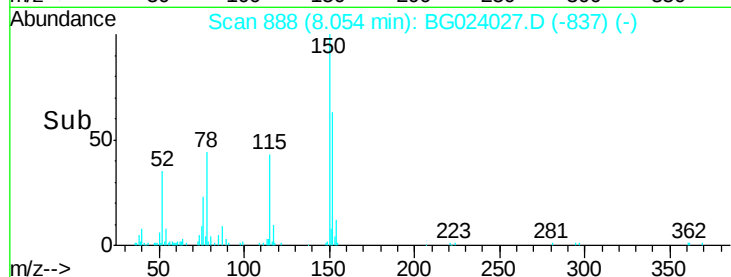
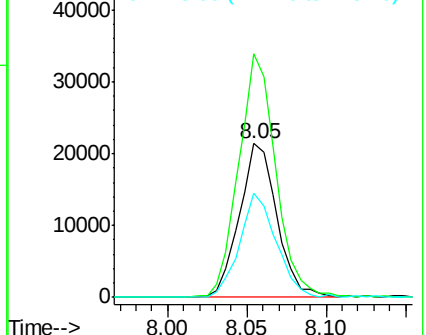
115 68.1 64.0 96.0



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: 78.30 ng

RT: 5.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG024027.D

Acq: 19 Sep 2016 20:48

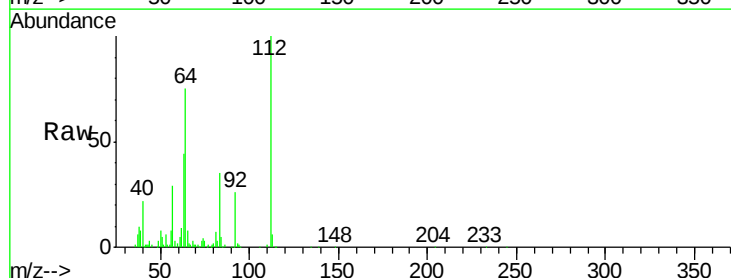
Tgt Ion:112 Resp: 156604

Ion Ratio Lower Upper

112 100

64 75.4 59.0 88.4

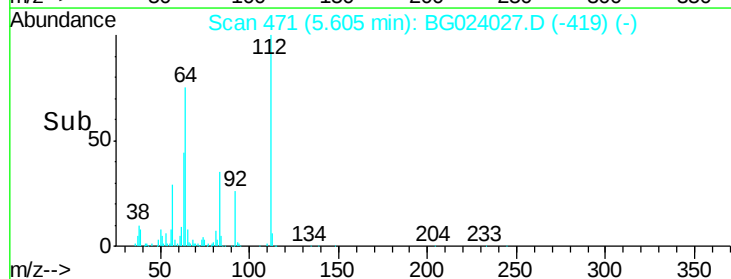
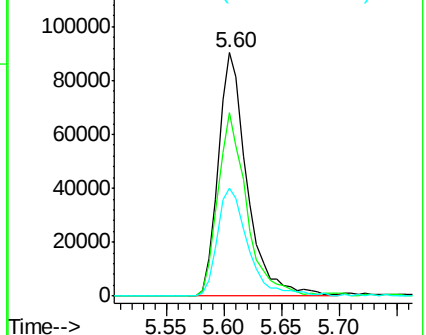
63 44.3 37.8 56.8

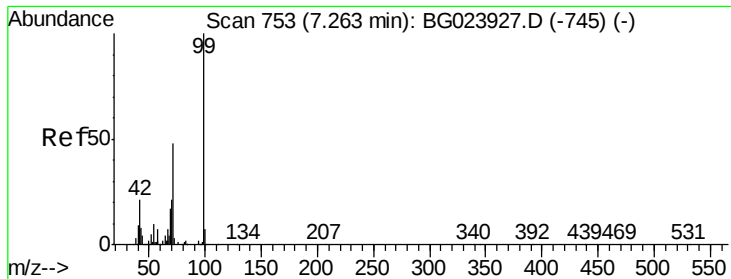


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.59 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.00 min

Lab File: BG024027.D

Acq: 19 Sep 2016 20:48

Instrument :

BNA\_G

ClientSampleId :

YORK-MW11-04

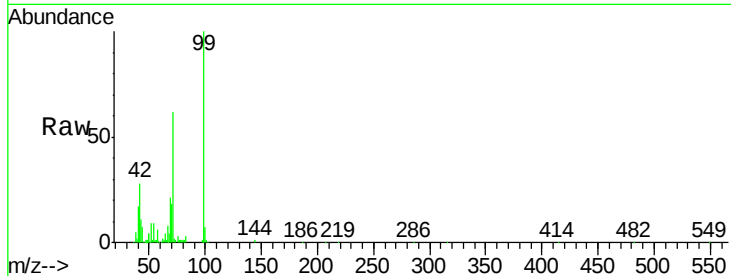
Tot Ion: 99 Resp: 140354

Ion Ratio Lower Upper

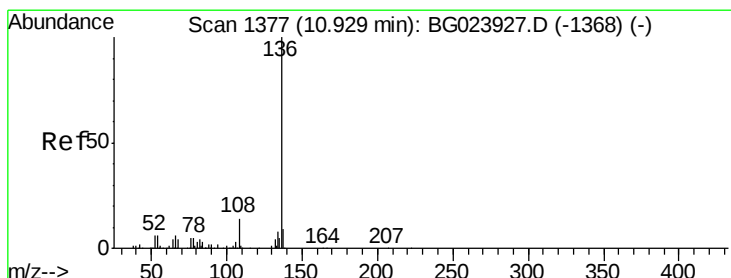
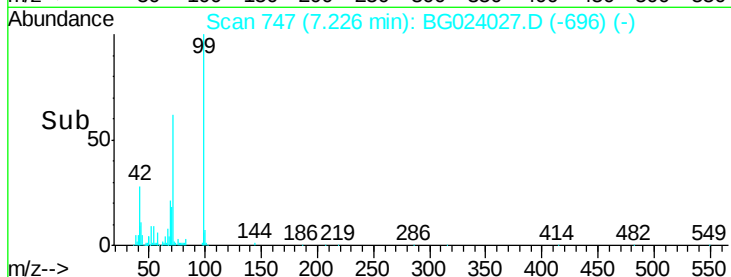
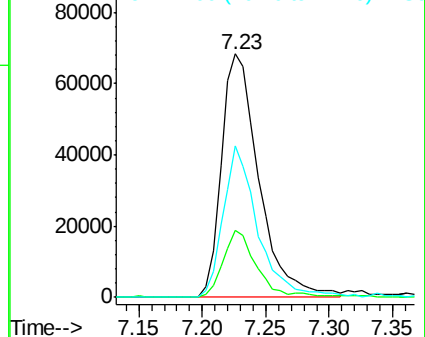
99 100

42 27.6 17.8 26.6#

71 62.0 41.5 62.3



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: 10.89 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BG024027.D

Acq: 19 Sep 2016 20:48

Tgt Ion: 136 Resp: 155569

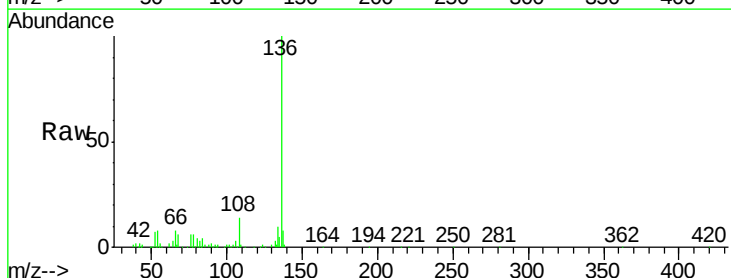
Ion Ratio Lower Upper

136 100

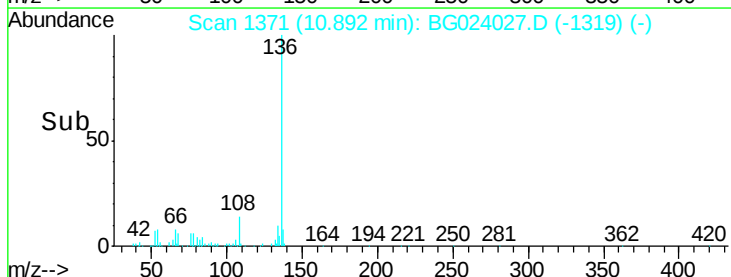
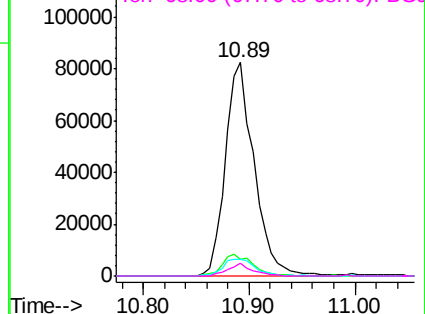
137 8.1 9.6 14.4#

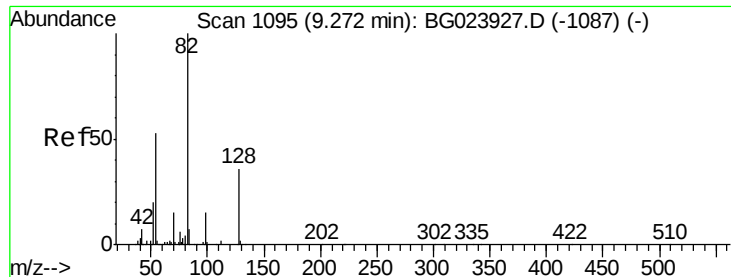
54 8.0 7.3 10.9

68 6.1 5.3 7.9



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

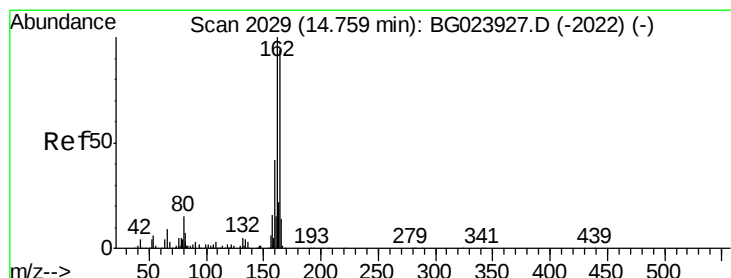
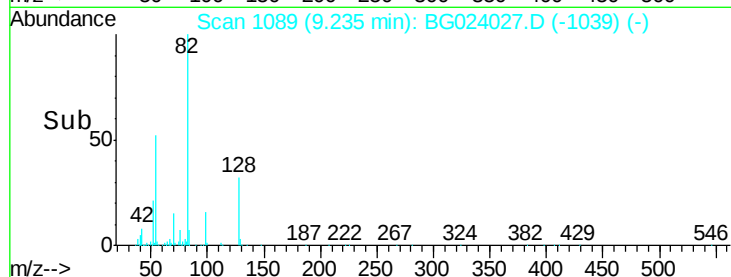
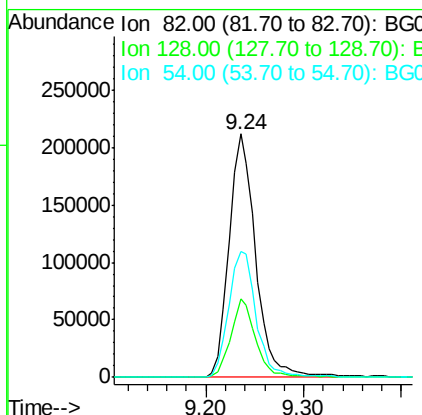
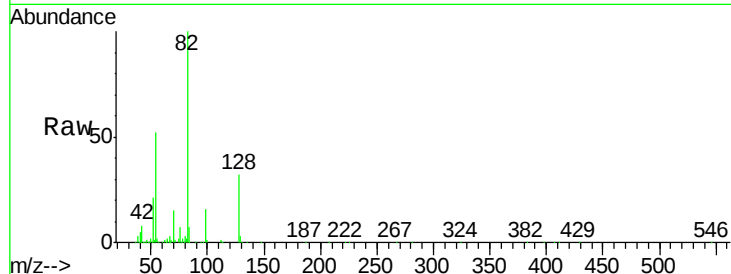




#23  
 Nitrobenzene-d5  
 Concen: 115.28 ng  
 RT: 9.24 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: BG024027.D  
 Acq: 19 Sep 2016 20:48

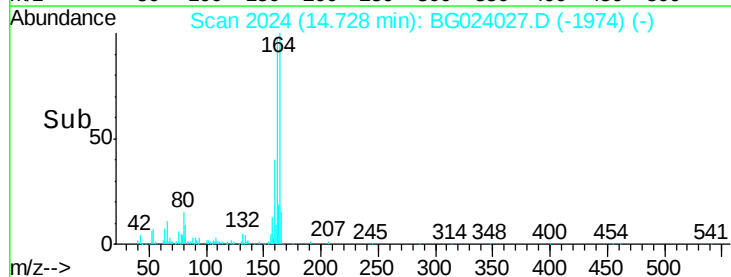
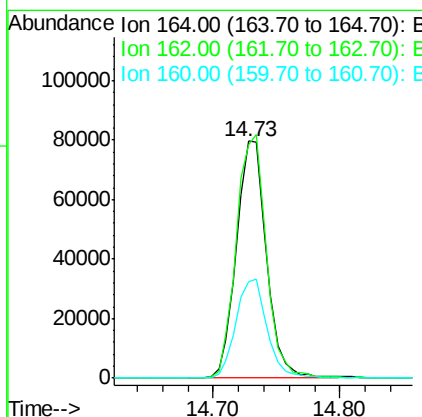
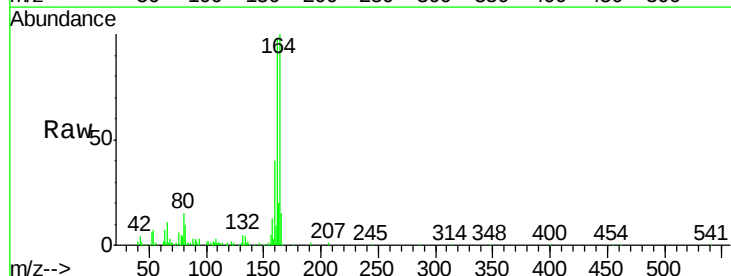
Instrument :  
 BNA\_G  
 ClientSampleId :  
 YORK-MW11-04

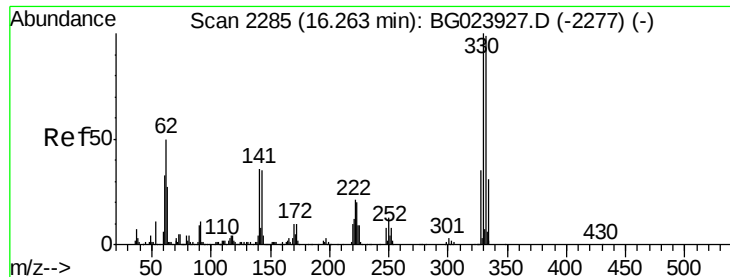
| Tot Ion   | 82    | Resp  | 401720 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.2  | 24.4  | 36.6   |
| 54        | 51.9  | 41.4  | 62.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BG024027.D  
 Acq: 19 Sep 2016 20:48

| Tgt Ion   | 164   | Resp  | 130675 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 98.4  | 87.7  | 131.5  |
| 160       | 40.5  | 37.2  | 55.8   |

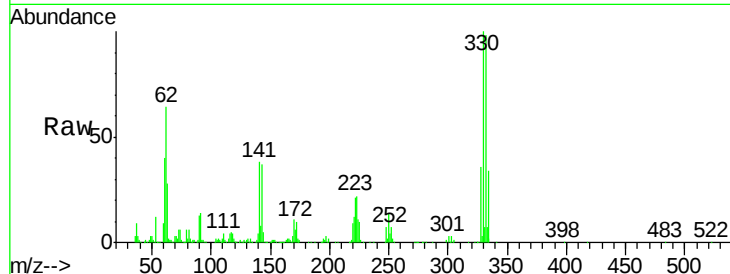




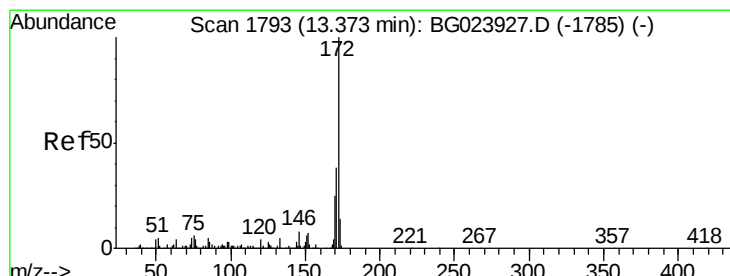
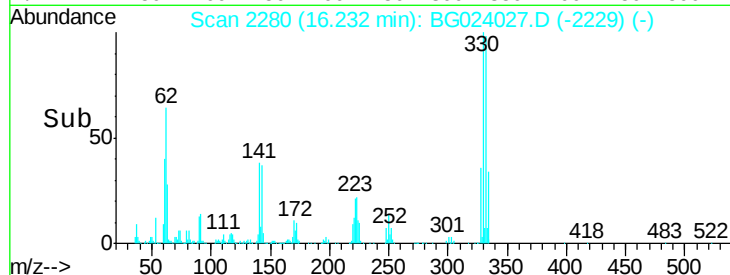
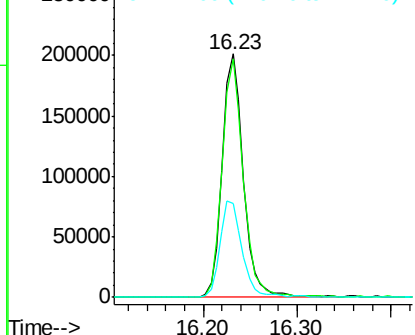
#41  
 2,4,6-Tribromophenol  
 Concen: 134.93 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG024027.D  
 Acq: 19 Sep 2016 20:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YORK-MW11-04

Tot Ion:330 Resp: 317682  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 77.4 116.2  
 141 40.9 31.7 47.5

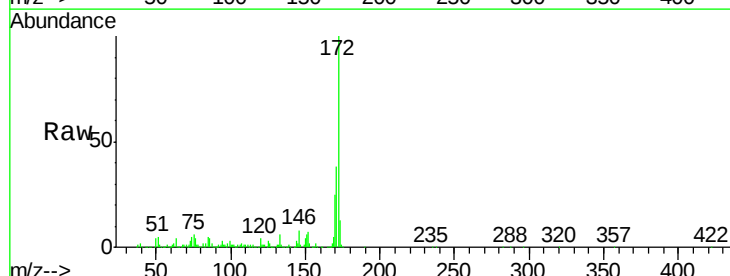


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

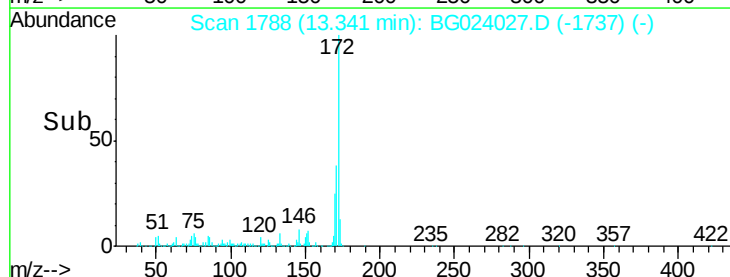
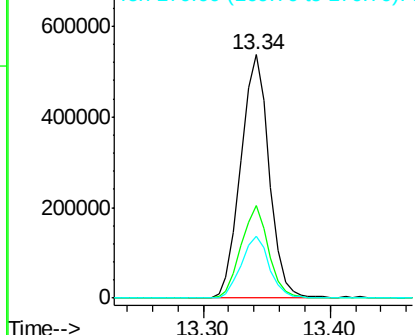


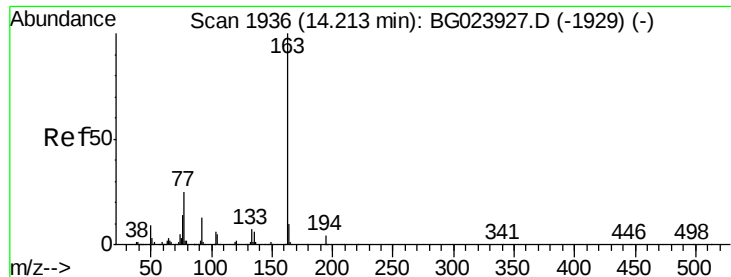
#44  
 2-Fluorobiphenyl  
 Concen: 91.48 ng  
 RT: 13.34 min Scan# 1788  
 Delta R.T. -0.00 min  
 Lab File: BG024027.D  
 Acq: 19 Sep 2016 20:48

Tgt Ion:172 Resp: 833797  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 31.6 47.4  
 170 25.5 21.3 31.9



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: 5.00 ng

RT: 14.18 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BG024027.D

Acq: 19 Sep 2016 20:48

Instrument :

BNA\_G

ClientSampleId :

YORK-MW11-04

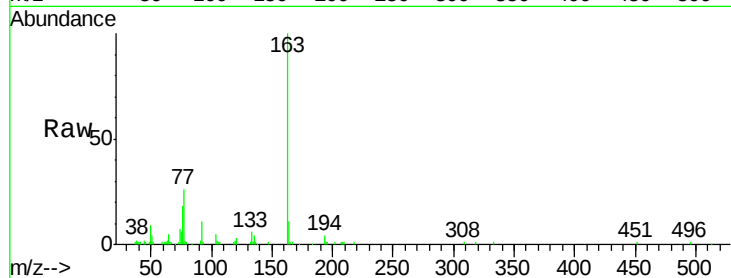
Tot Ion:163 Resp: 56022

Ion Ratio Lower Upper

163 100

194 3.5 3.6 5.4#

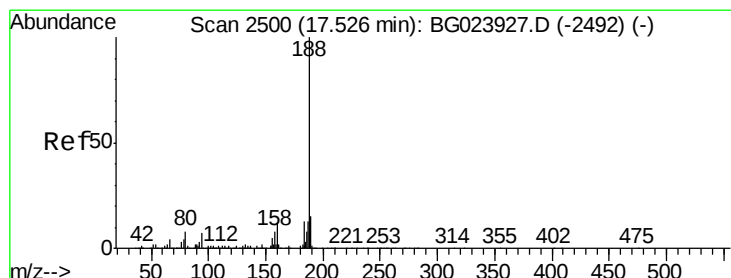
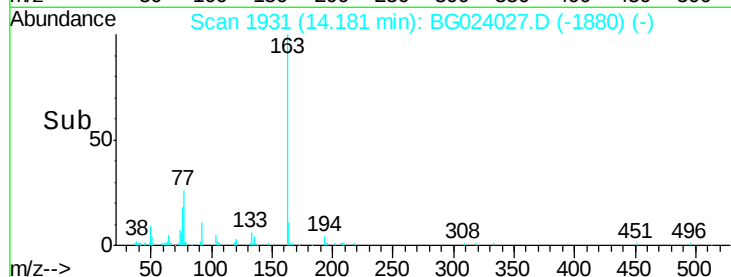
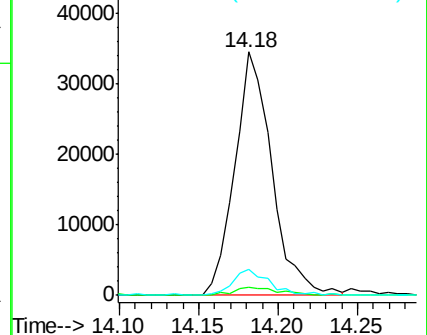
164 10.6 8.1 12.1



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: 17.49 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BG024027.D

Acq: 19 Sep 2016 20:48

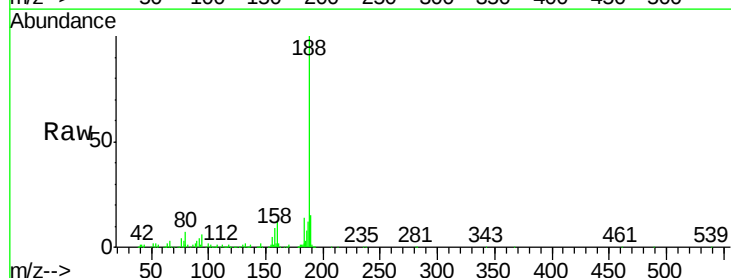
Tgt Ion:188 Resp: 318623

Ion Ratio Lower Upper

188 100

94 6.4 5.2 7.8

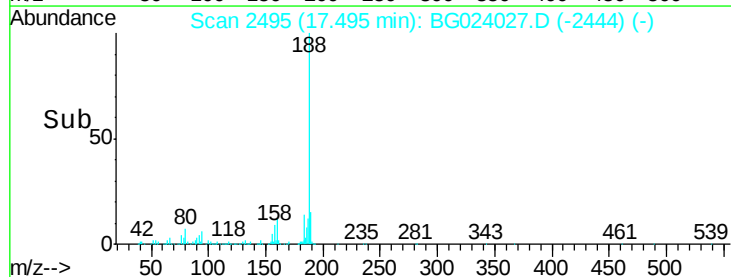
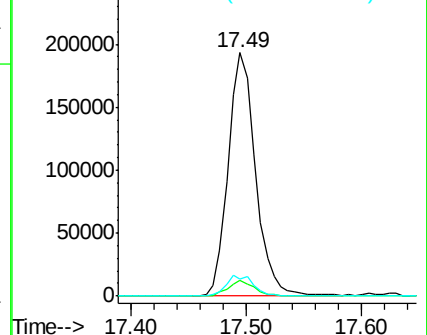
80 7.1 7.2 10.8#

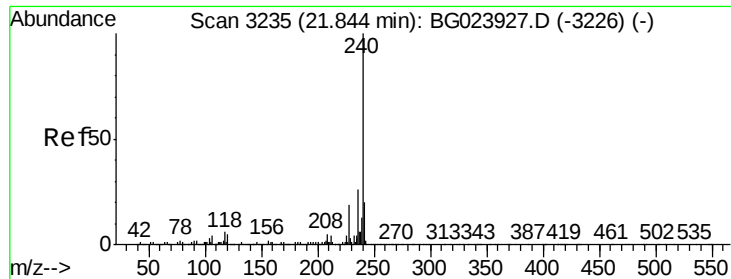


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

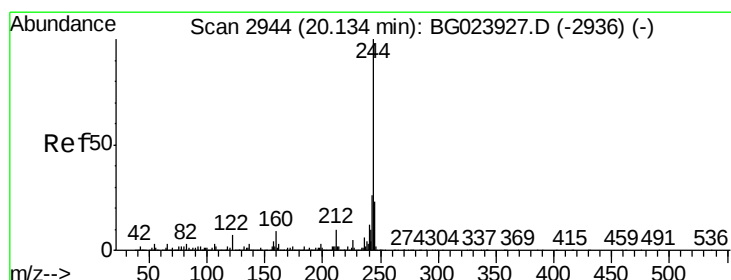
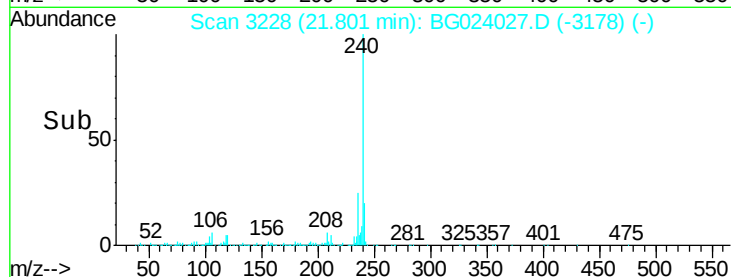
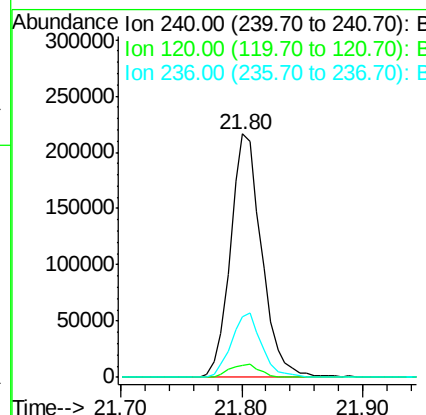
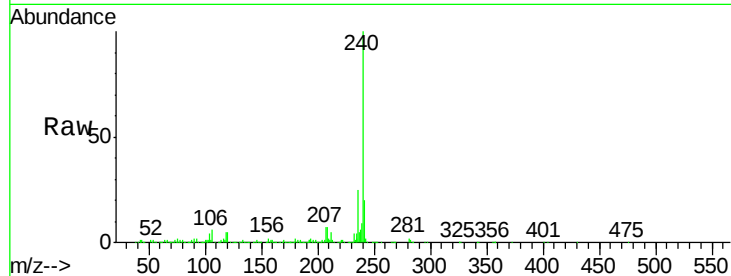




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 21.80 min Scan# 3228  
 Delta R.T. -0.01 min  
 Lab File: BG024027.D  
 Acq: 19 Sep 2016 20:48

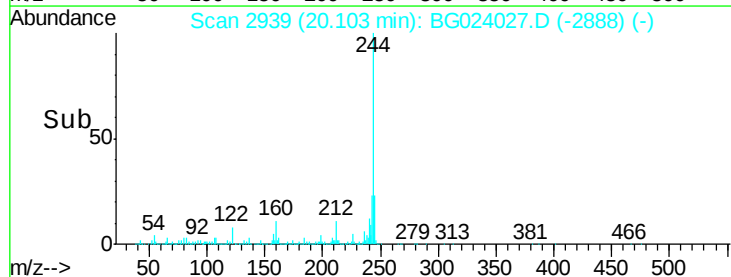
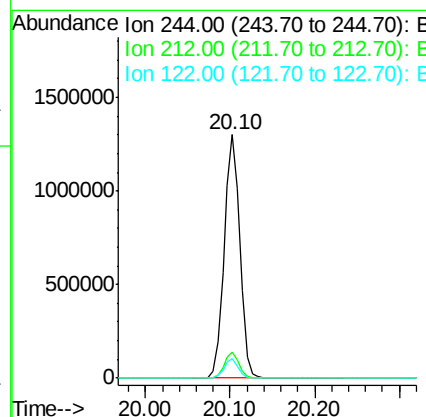
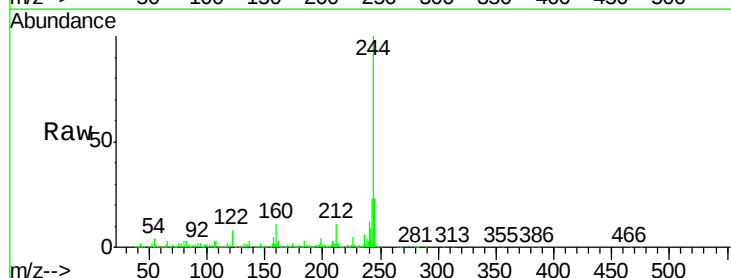
Instrument :  
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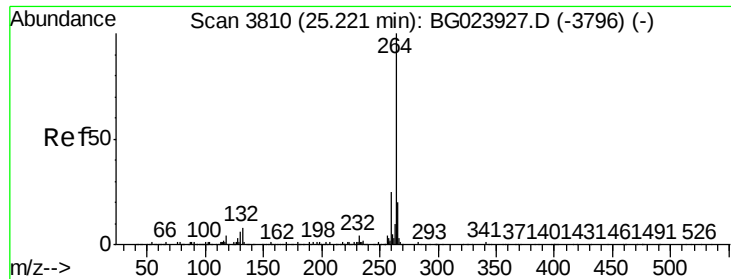
Tot Ion:240 Resp: 387474  
 Ion Ratio Lower Upper  
 240 100  
 120 5.0 4.1 6.1  
 236 24.8 21.1 31.7



#78  
 Terphenyl-d14  
 Concen: 99.06 ng  
 RT: 20.10 min Scan# 2939  
 Delta R.T. -0.00 min  
 Lab File: BG024027.D  
 Acq: 19 Sep 2016 20:48

Tgt Ion:244 Resp: 1685341  
 Ion Ratio Lower Upper  
 244 100  
 212 10.8 10.8 16.2#  
 122 7.8 8.0 12.0#





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.14 min Scan# 3797  
Delta R.T. -0.01 min  
Lab File: BG024027.D  
Acq: 19 Sep 2016 20:48

Instrument :  
BNA\_G  
ClientSampleId :  
YORK-MW11-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.5  | 18.4  | 27.6  |
| 265     | 21.4  | 18.9  | 28.3  |

