

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091916\  
 Data File : BG024028.D  
 Acq On : 19 Sep 2016 21:27  
 Operator : UM/SJ  
 Sample : H4821-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YORK-MWP7-10

Quant Time: Sep 20 01:14:23 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  | 35515    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 153018   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.73 | 164  | 129399   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 327828   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.80 | 240  | 393116   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.15 | 264  | 394346   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 150888   | 74.59  | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 148755   | 47.77  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 371487   | 108.38 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 308977   | 132.53 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 787858   | 87.29  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.10 | 244  | 1587305  | 91.96  | ng    | 0.00     |

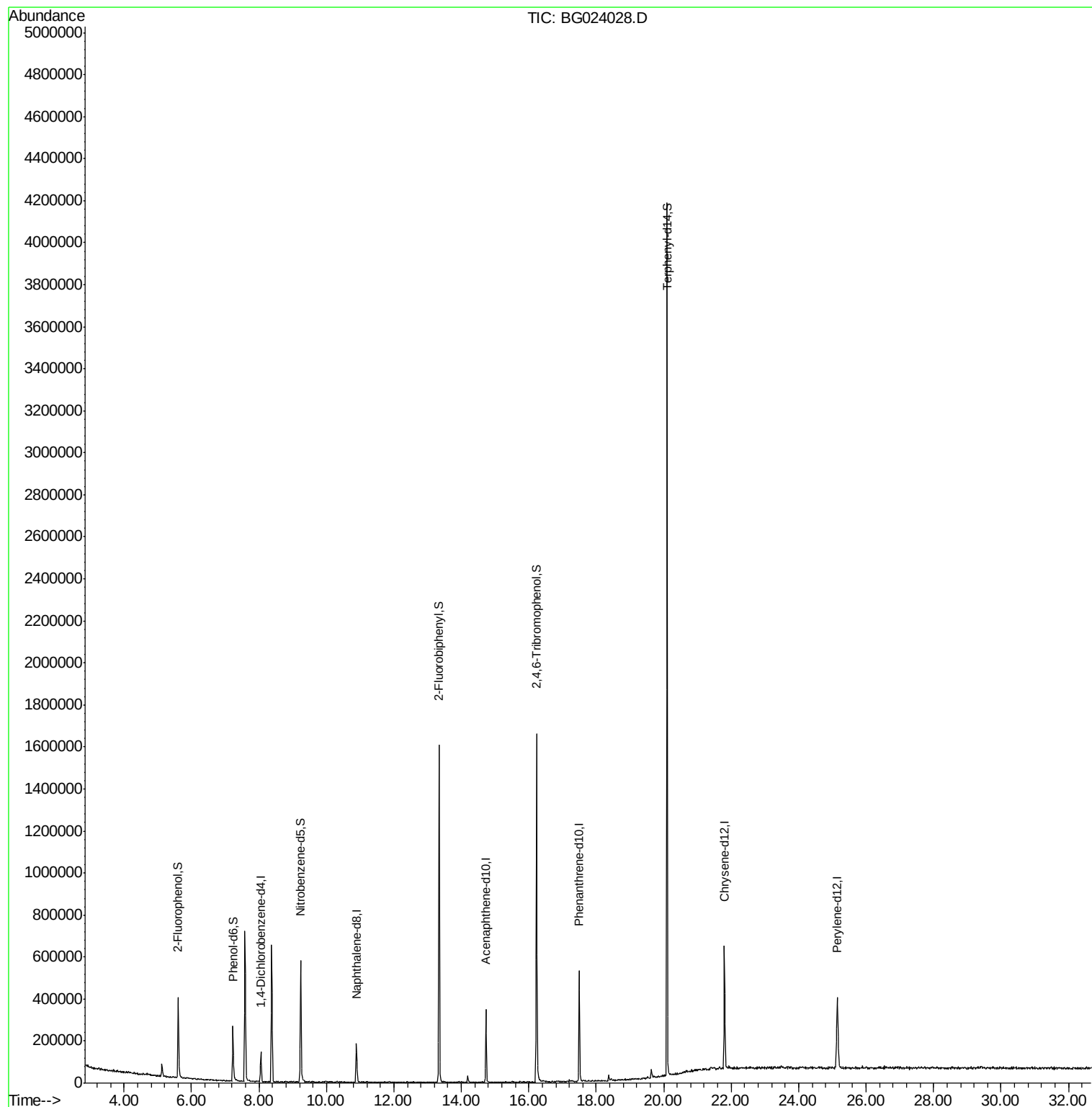
Target Compounds Qvalue

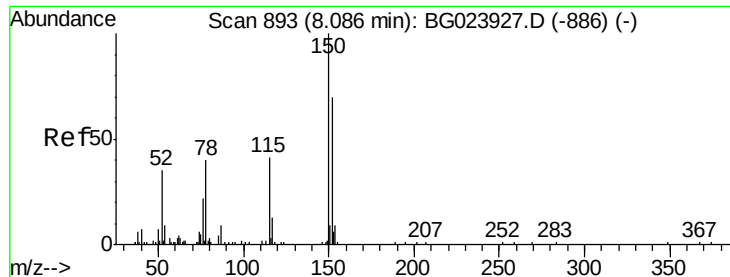
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 01:14:23 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
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QLast Update : Tue Sep 20 01:00:00 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 888

Delta R.T. -0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

YORK-MWP7-10

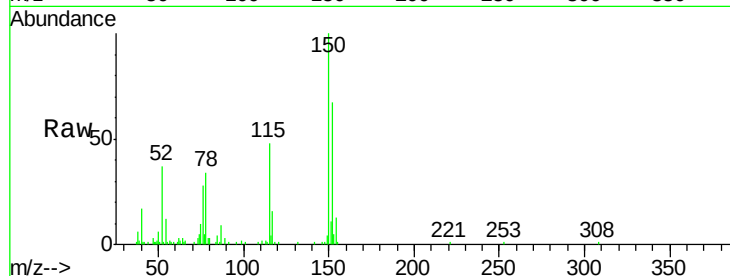
Tot Ion:152 Resp: 35515

Ion Ratio Lower Upper

152 100

150 148.7 144.7 217.1

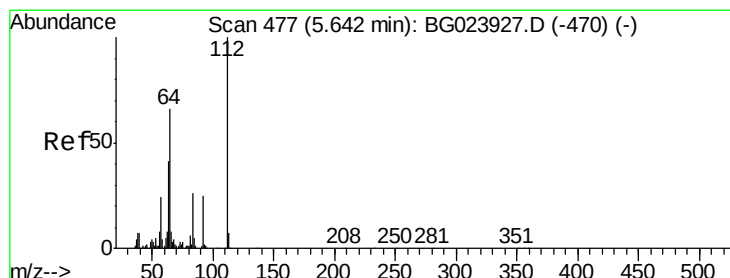
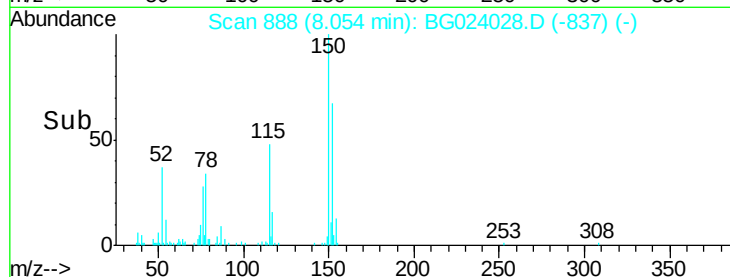
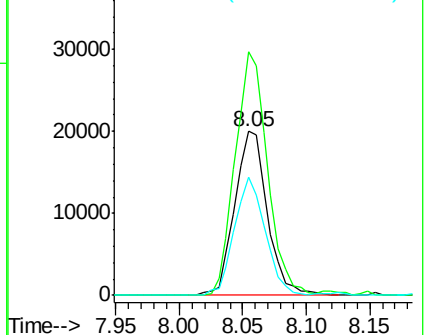
115 72.0 64.0 96.0



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: 74.59 ng

RT: 5.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

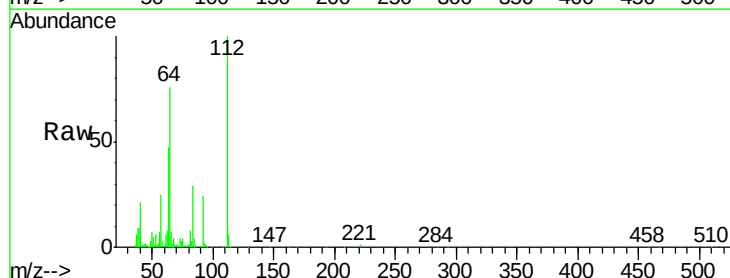
Tgt Ion:112 Resp: 150888

Ion Ratio Lower Upper

112 100

64 76.0 59.0 88.4

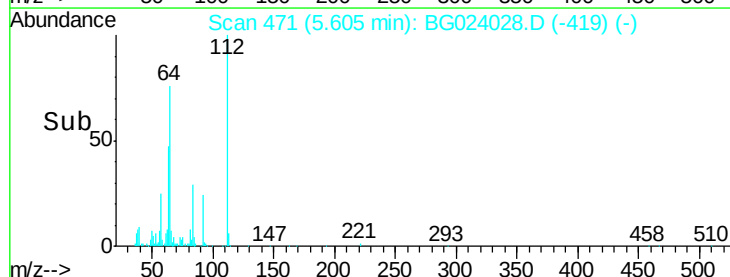
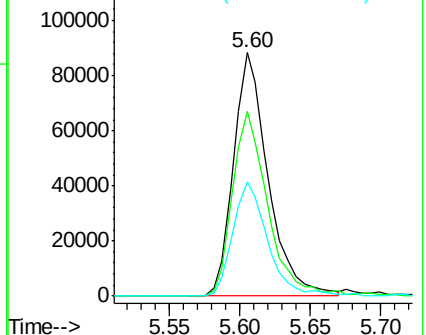
63 47.2 37.8 56.8

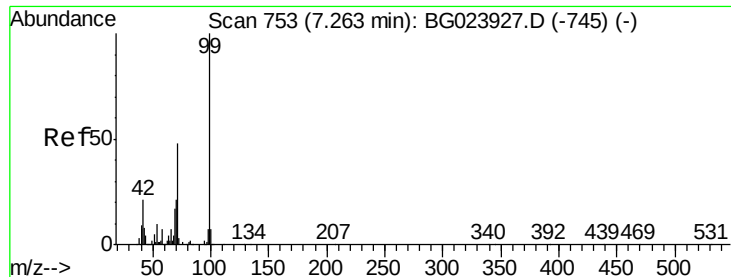


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 47.77 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

YORK-MWP7-10

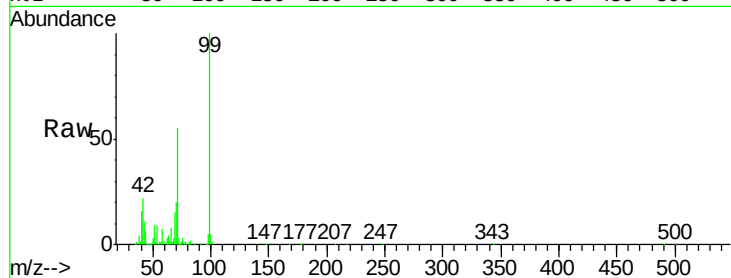
Tot Ion: 99 Resp: 148755

Ion Ratio Lower Upper

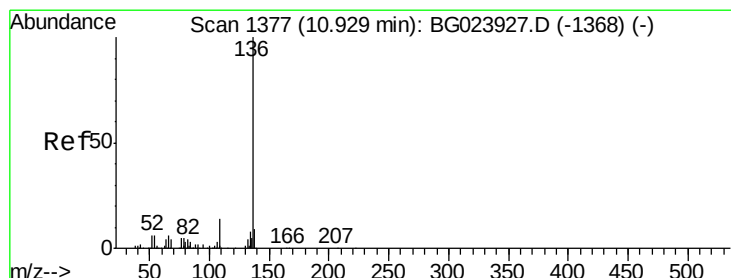
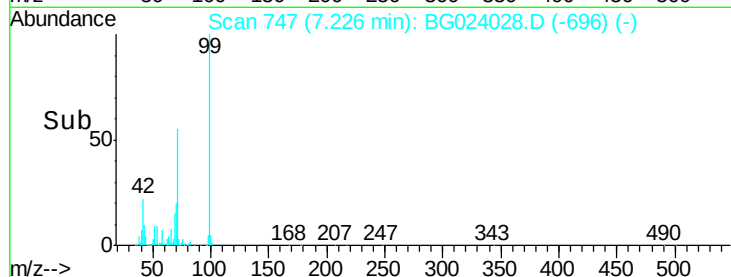
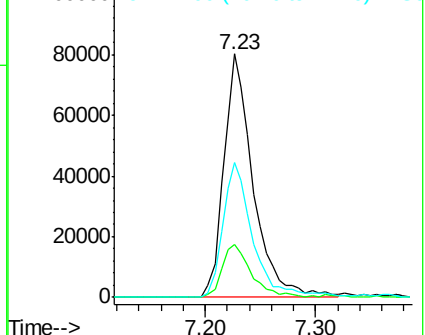
99 100

42 21.9 17.8 26.6

71 55.3 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# 1370

Delta R.T. -0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

Tgt Ion: 136 Resp: 153018

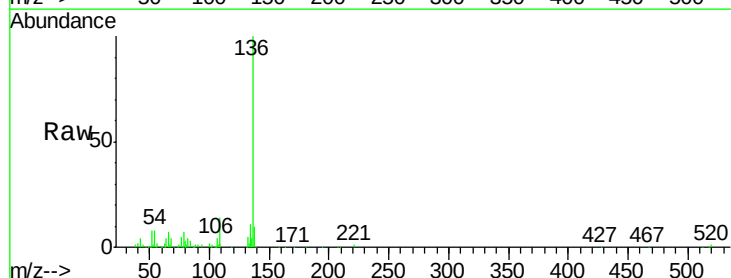
Ion Ratio Lower Upper

136 100

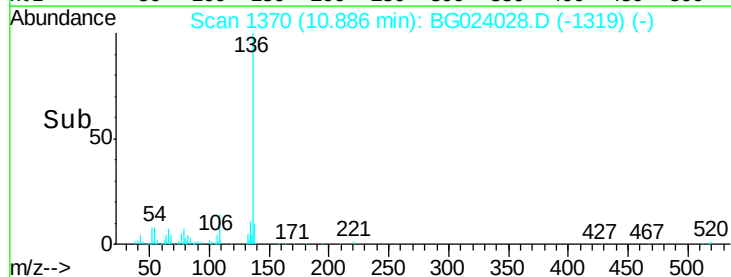
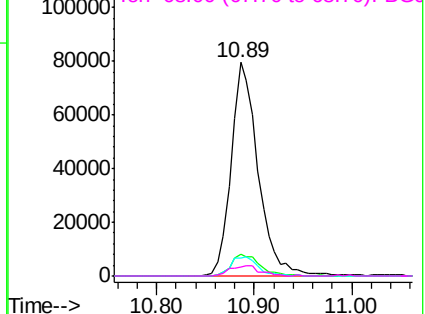
137 10.1 9.6 14.4

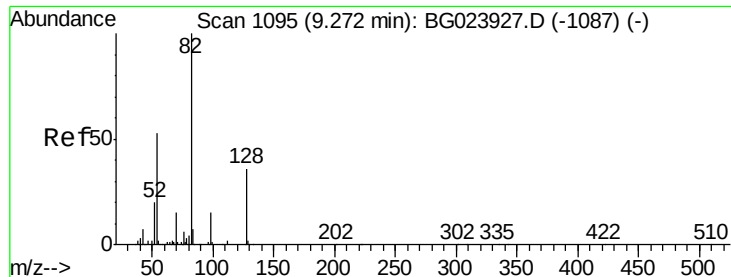
54 8.4 7.3 10.9

68 4.5 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

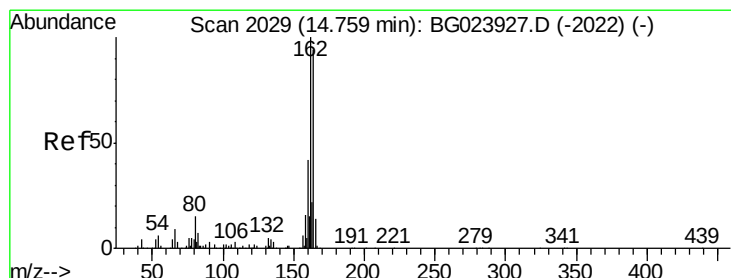
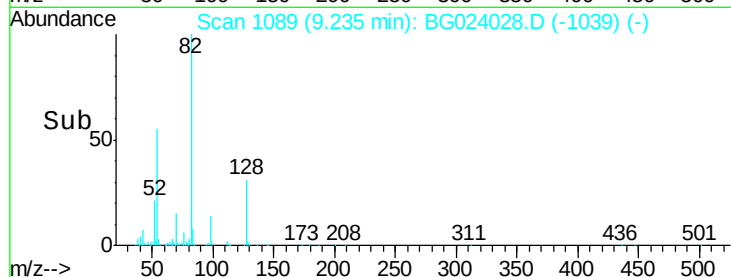
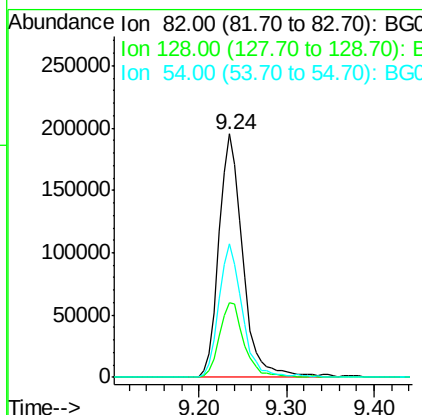
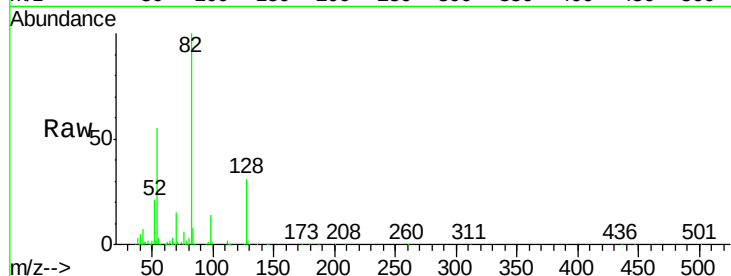




#23  
 Nitrobenzene-d5  
 Concen: 108.38 ng  
 RT: 9.24 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: BG024028.D  
 Acq: 19 Sep 2016 21:27

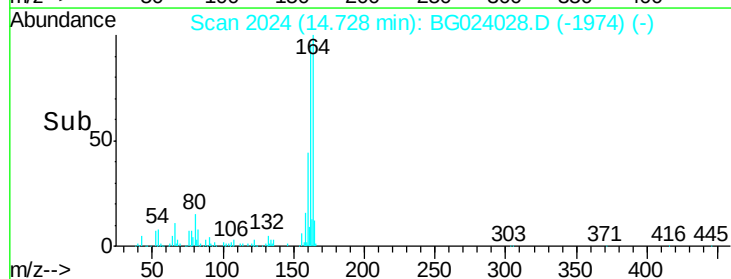
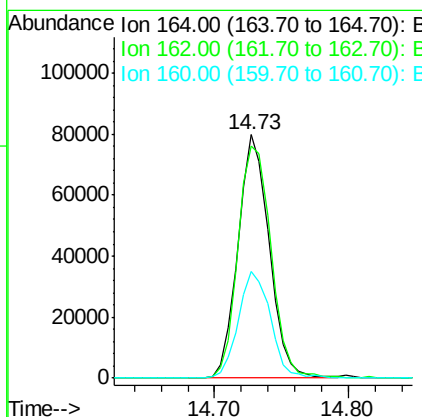
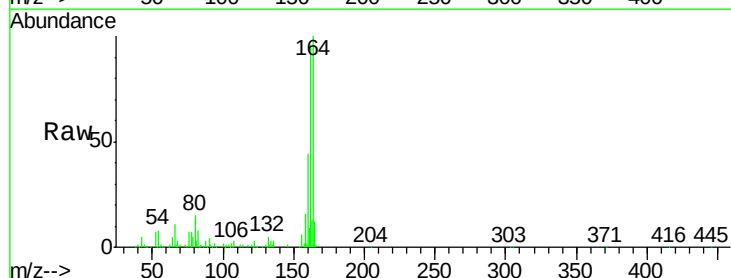
Instrument :  
 BNA\_G  
 ClientSampleId :  
 YORK-MWP7-10

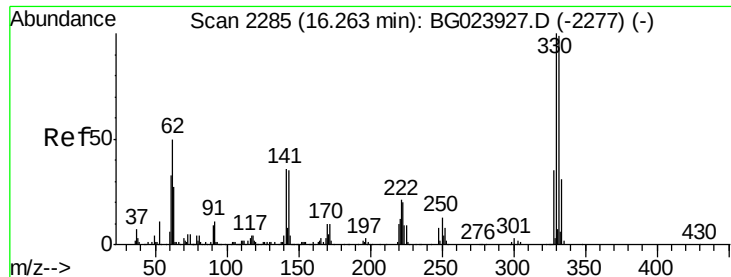
| Tot Ion   | 82    | Resp  | 371487 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 30.8  | 24.4  | 36.6   |
| 54        | 54.7  | 41.4  | 62.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BG024028.D  
 Acq: 19 Sep 2016 21:27

| Tgt Ion   | 164   | Resp  | 129399 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 95.6  | 87.7  | 131.5  |
| 160       | 43.9  | 37.2  | 55.8   |

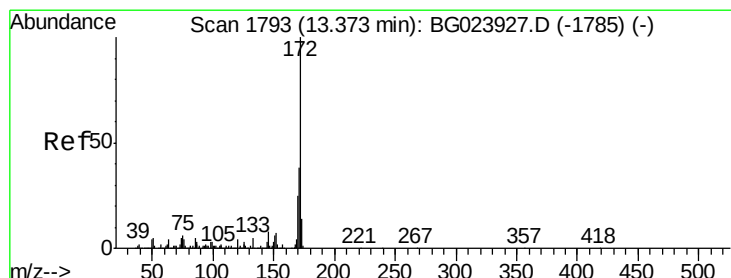
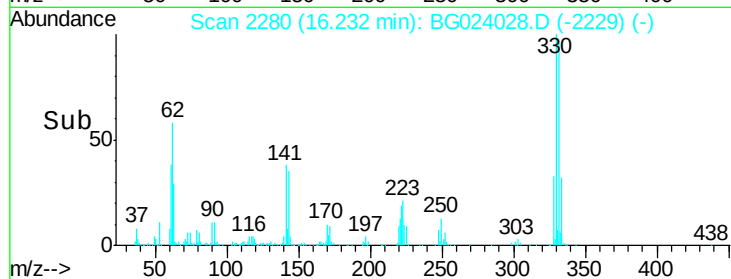
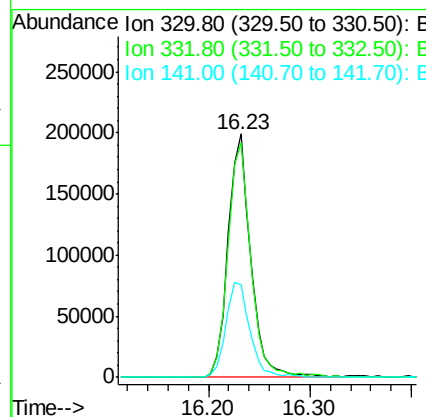
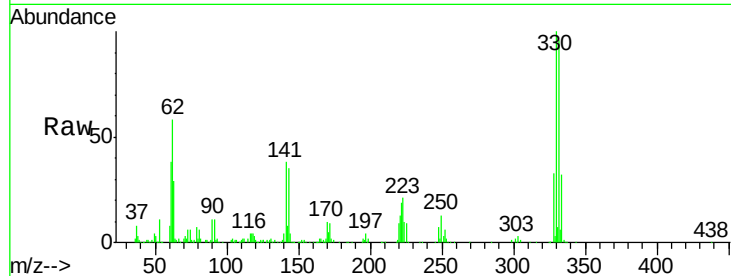




#41  
 2,4,6-Tribromophenol  
 Concen: 132.53 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG024028.D  
 Acq: 19 Sep 2016 21:27

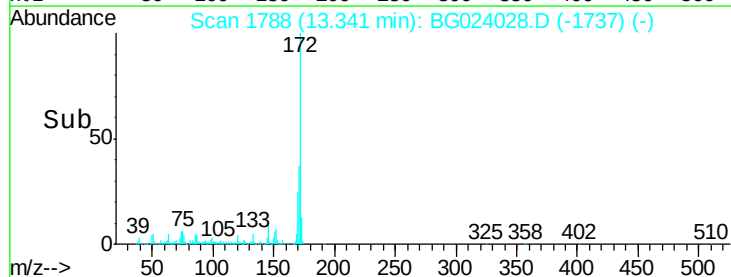
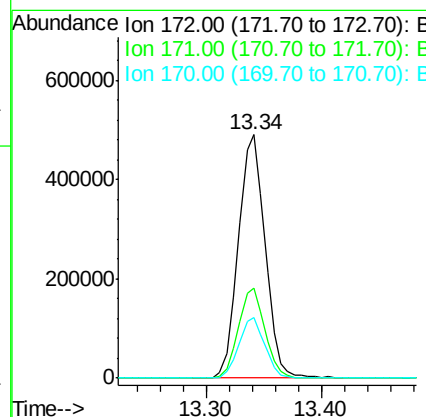
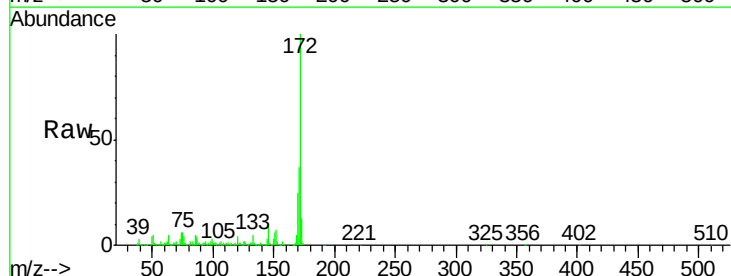
Instrument :  
 BNA\_G  
 ClientSampleId :  
 YORK-MWP7-10

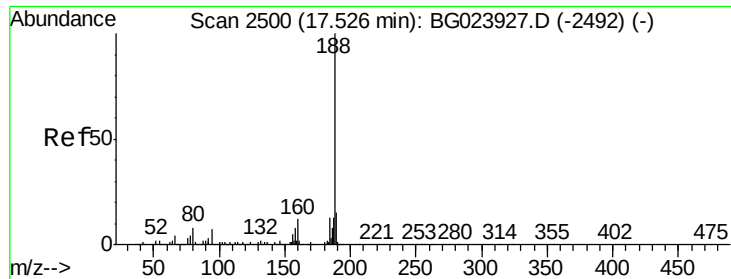
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.5  | 77.4  | 116.2 |
| 141     | 41.9  | 31.7  | 47.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 87.29 ng  
 RT: 13.34 min Scan# 1788  
 Delta R.T. -0.00 min  
 Lab File: BG024028.D  
 Acq: 19 Sep 2016 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 31.6  | 47.4  |
| 170     | 25.0  | 21.3  | 31.9  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

YORK-MWP7-10

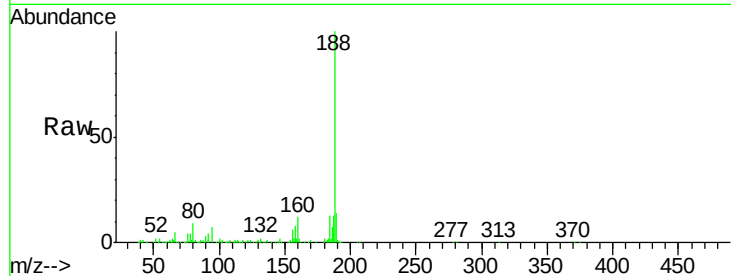
Tot Ion:188 Resp: 327828

Ion Ratio Lower Upper

188 100

94 7.2 5.2 7.8

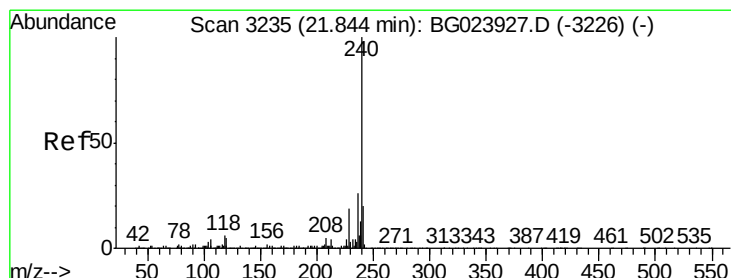
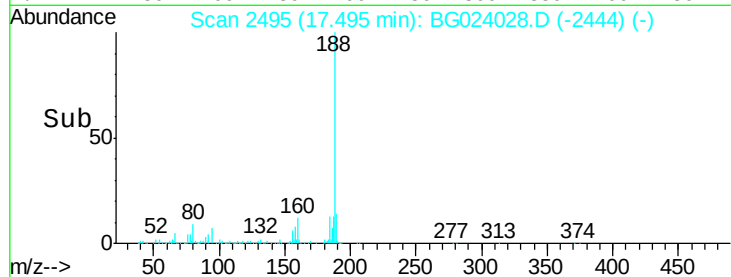
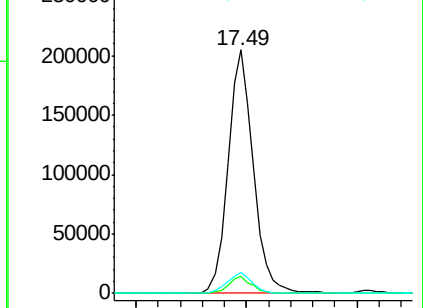
80 8.6 7.2 10.8



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

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

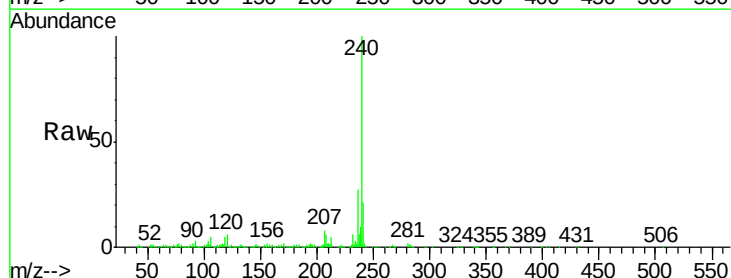
Tgt Ion:240 Resp: 393116

Ion Ratio Lower Upper

240 100

120 6.3 4.1 6.1#

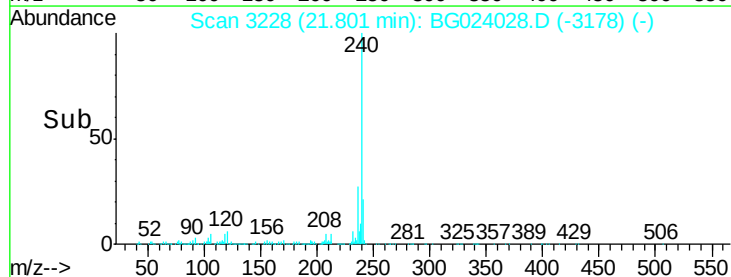
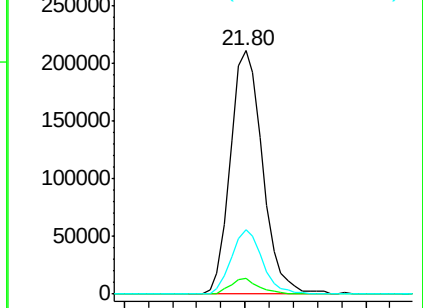
236 26.7 21.1 31.7

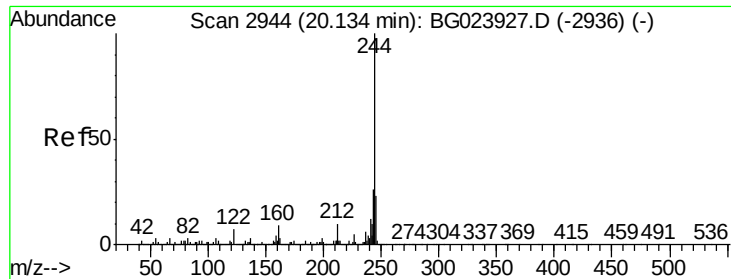


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.96 ng

RT: 20.10 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

YORK-MWP7-10

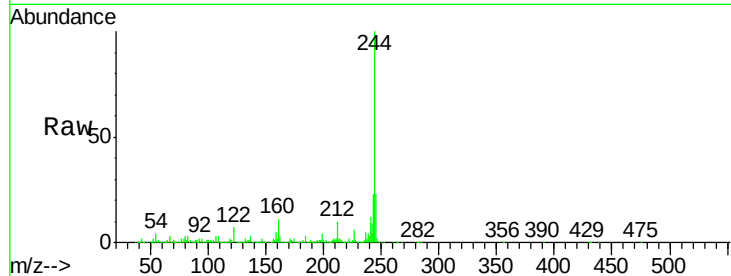
Tot Ion:244 Resp: 1587305

Ion Ratio Lower Upper

244 100

212 10.2 10.8 16.2#

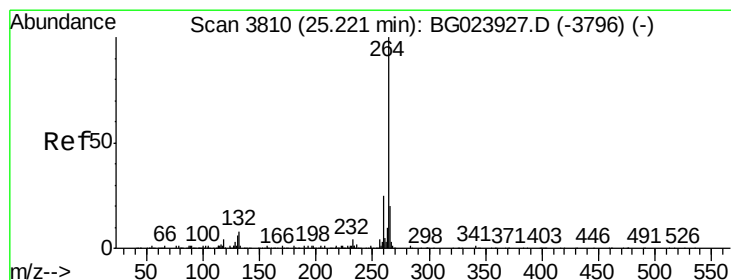
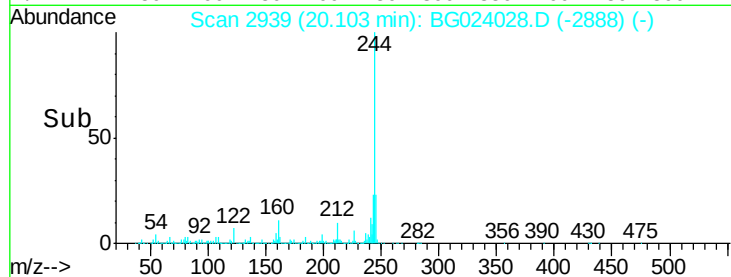
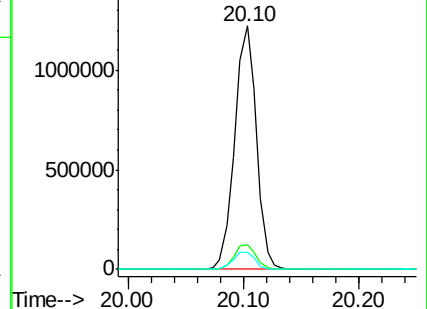
122 7.1 8.0 12.0#



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: 25.15 min Scan# 3798

Delta R.T. -0.00 min

Lab File: BG024028.D

Acq: 19 Sep 2016 21:27

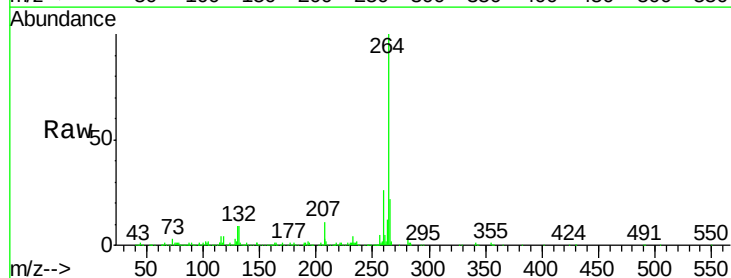
Tgt Ion:264 Resp: 394346

Ion Ratio Lower Upper

264 100

260 26.0 18.4 27.6

265 22.0 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

