

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
 Data File : BG024013.D  
 Acq On : 17 Sep 2016 3:41  
 Operator : UM/SJ  
 Sample : H4811-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 091516-DRDC-F-D-M

Quant Time: Sep 17 04:54:30 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 17 04:50:01 2016  
 Response via : Initial Calibration

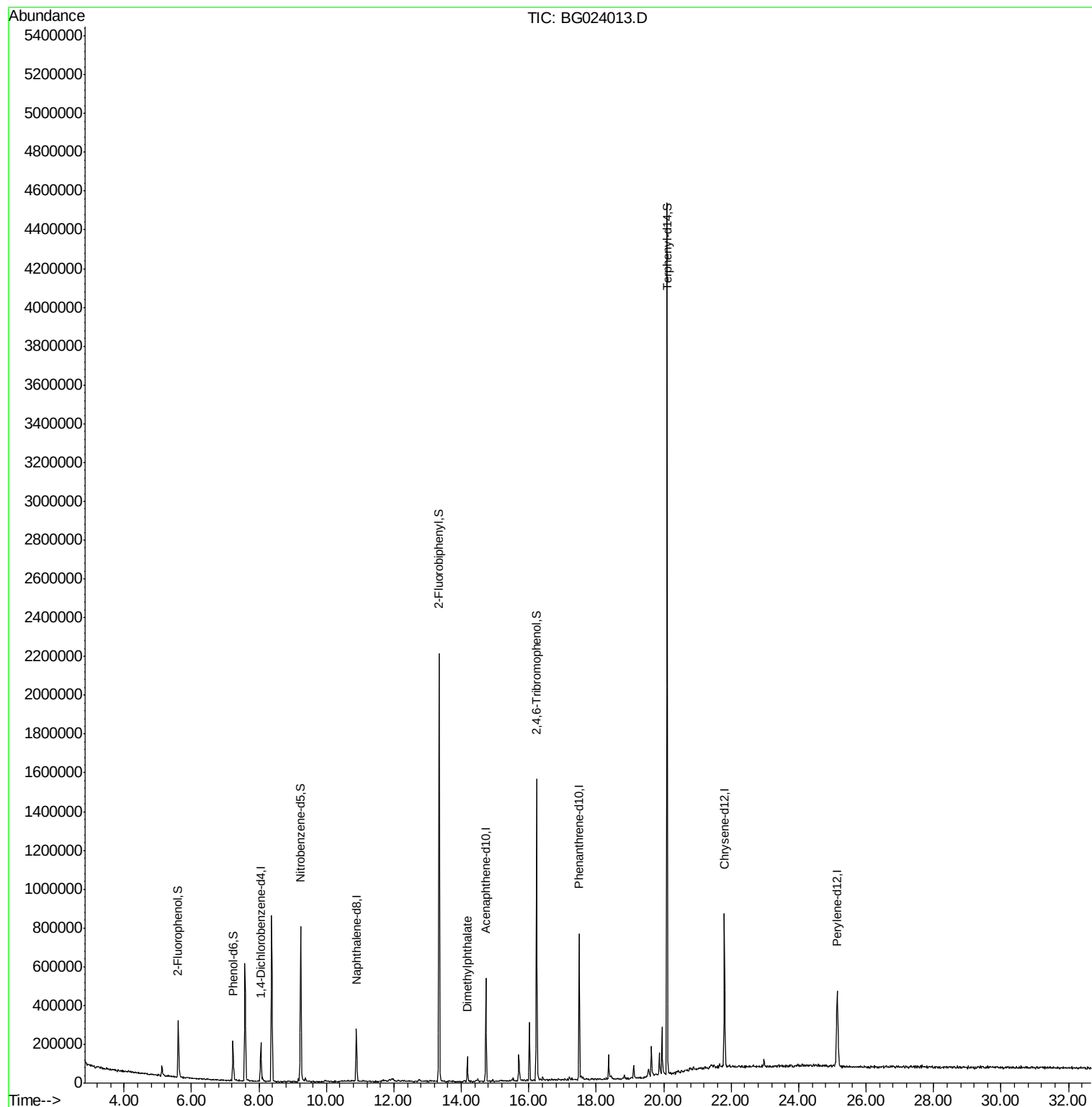
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 50204    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.89 | 136  | 206221   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.73 | 164  | 185725   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.49 | 188  | 444099   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.80 | 240  | 487584   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.15 | 264  | 477579   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.60  | 112  | 120423   | 42.11  | ng    | 0.00           |
| 7) Phenol-d6                | 7.23  | 99   | 124234   | 28.22  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 508200   | 110.02 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 276456   | 82.62  | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 1075245  | 83.00  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.10 | 244  | 1739032  | 81.23  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.18 | 163  | 83944    | 5.27   | ng    | Qvalue<br># 97 |

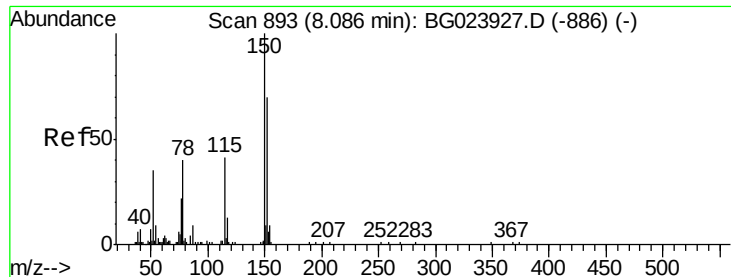
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 17 04:50:01 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 888

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

Instrument :

BNA\_G

ClientSampleId :

091516-DRDC-F-D-M

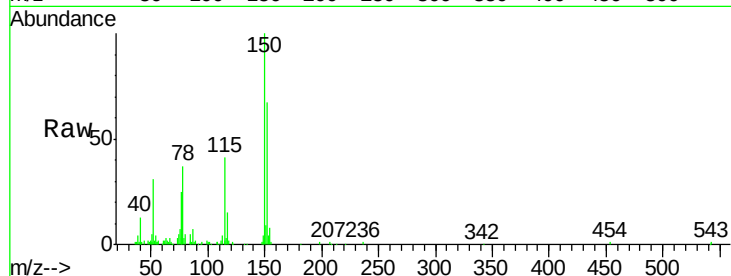
Tot Ion:152 Resp: 50204

Ion Ratio Lower Upper

152 100

150 150.0 144.7 217.1

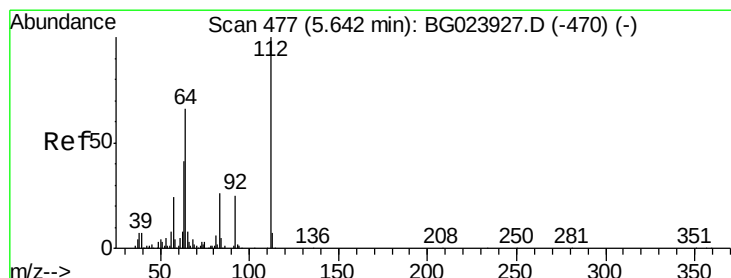
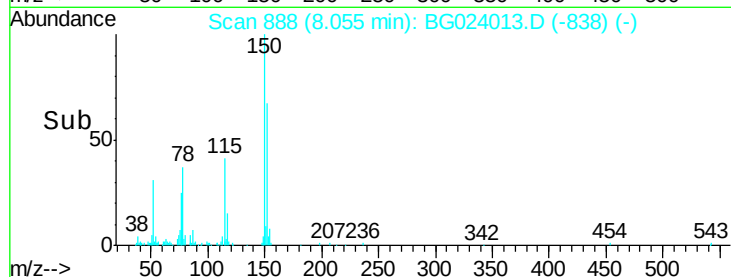
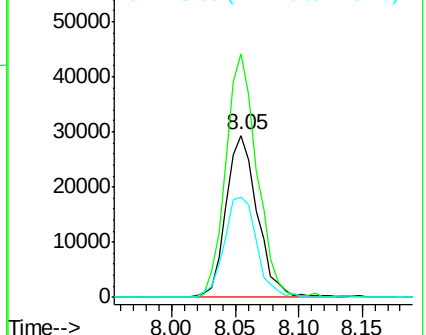
115 61.6 64.0 96.0#



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: 42.11 ng

RT: 5.60 min Scan# 471

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

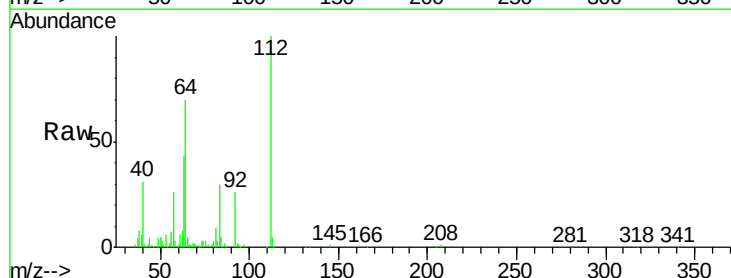
Tgt Ion:112 Resp: 120423

Ion Ratio Lower Upper

112 100

64 70.4 59.0 88.4

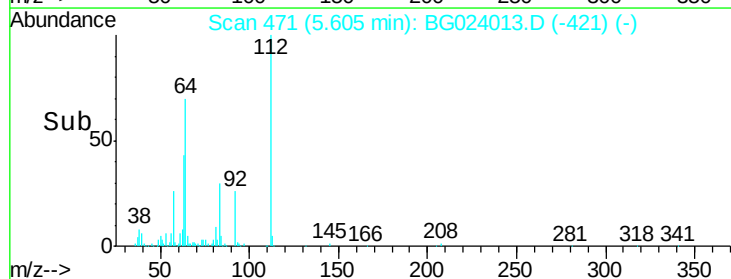
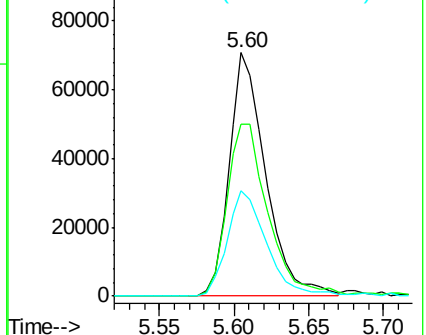
63 43.1 37.8 56.8

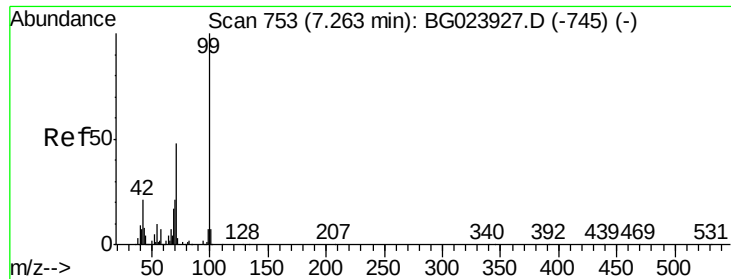


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 28.22 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

Instrument :

BNA\_G

ClientSampleId :

091516-DRDC-F-D-M

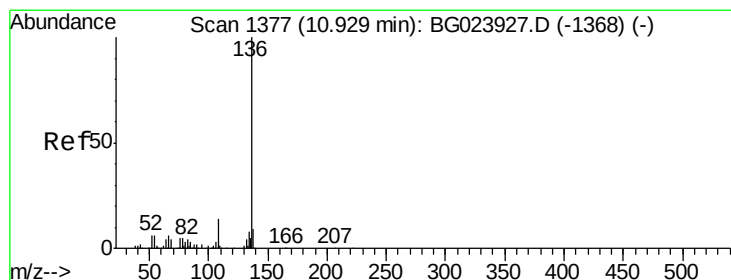
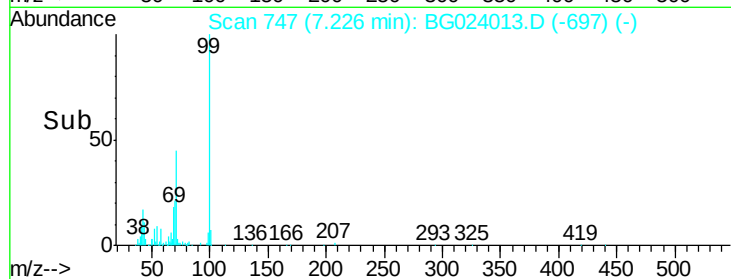
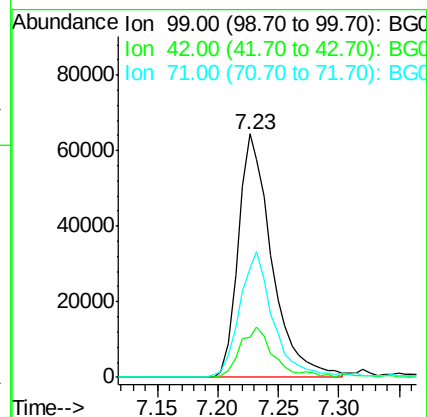
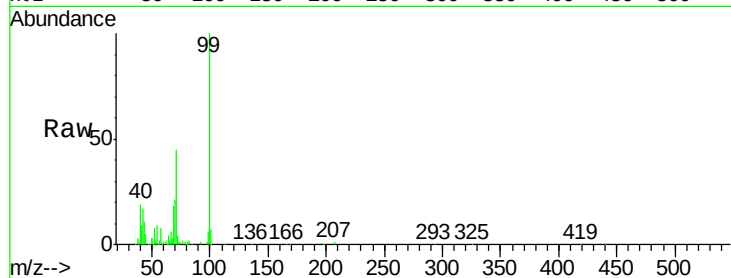
Tot Ion: 99 Resp: 124234

Ion Ratio Lower Upper

99 100

42 16.7 17.8 26.6#

71 44.9 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.89 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

Tgt Ion: 136 Resp: 206221

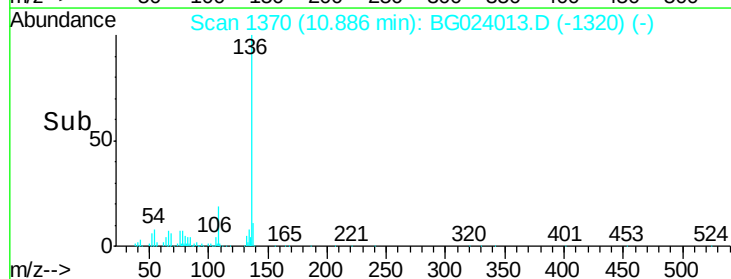
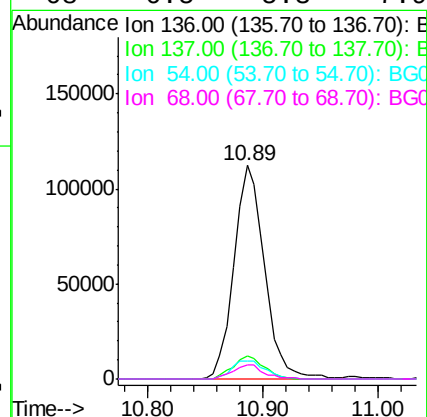
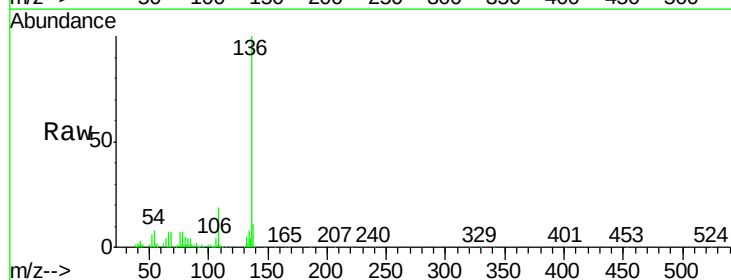
Ion Ratio Lower Upper

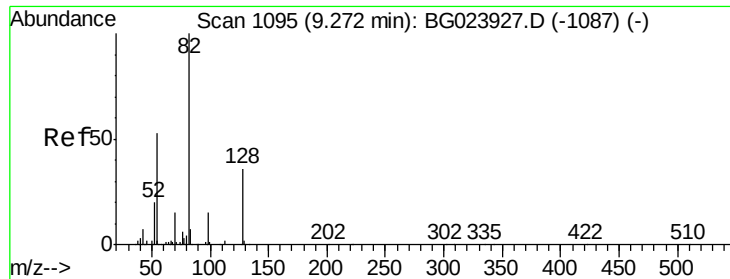
136 100

137 10.9 9.6 14.4

54 8.2 7.3 10.9

68 6.5 5.3 7.9

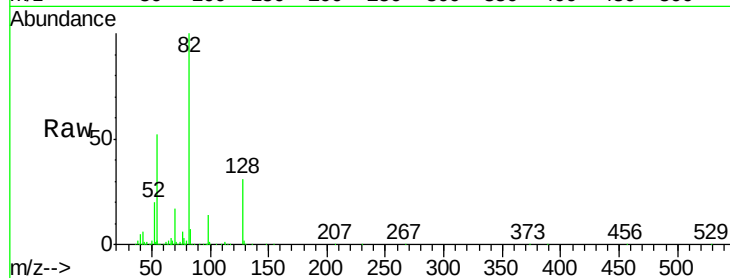




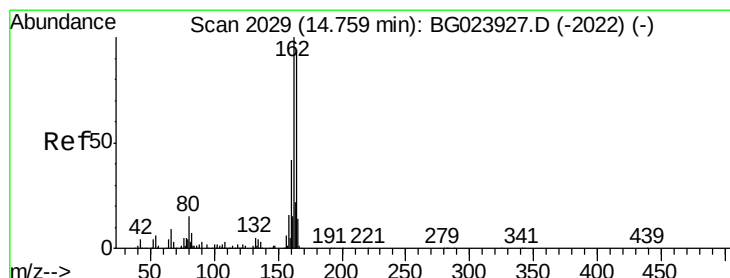
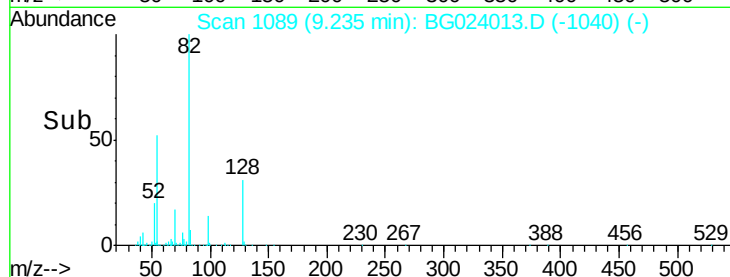
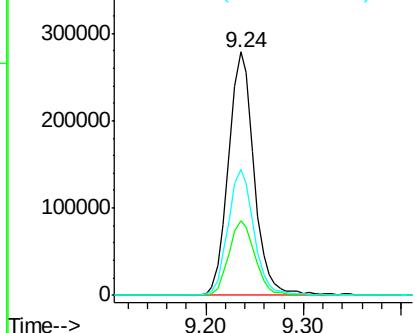
#23  
 Nitrobenzene-d5  
 Concen: 110.02 ng  
 RT: 9.24 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: BG024013.D  
 Acq: 17 Sep 2016 3:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 091516-DRDC-F-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 30.8  | 24.4  | 36.6  |
| 54      | 51.5  | 41.4  | 62.0  |

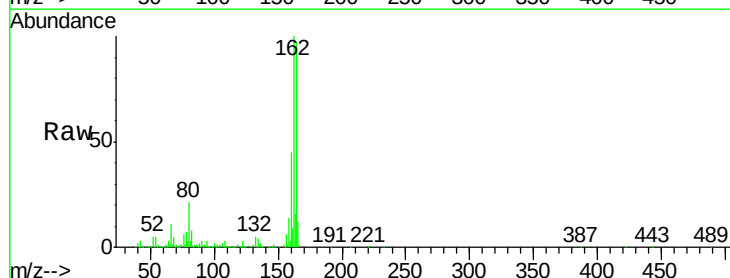


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

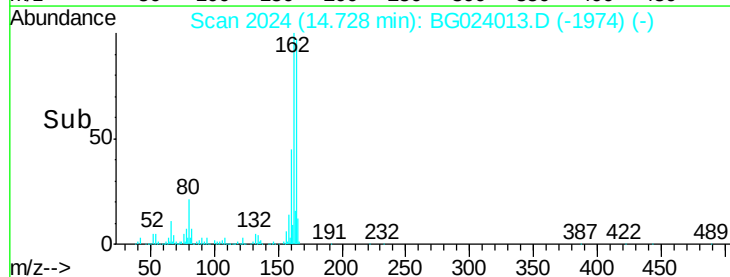
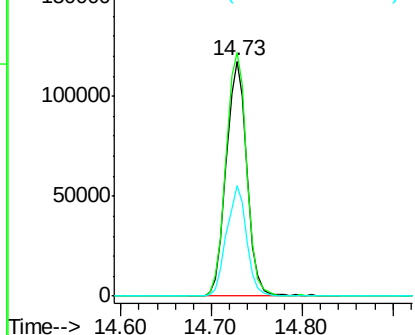


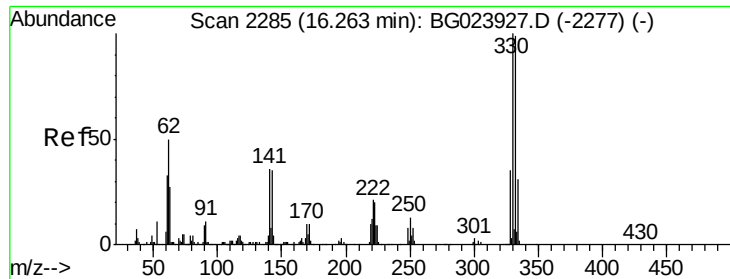
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BG024013.D  
 Acq: 17 Sep 2016 3:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 87.7  | 131.5 |
| 160     | 47.0  | 37.2  | 55.8  |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 82.62 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

Instrument :

BNA\_G

ClientSampleId :

091516-DRDC-F-D-M

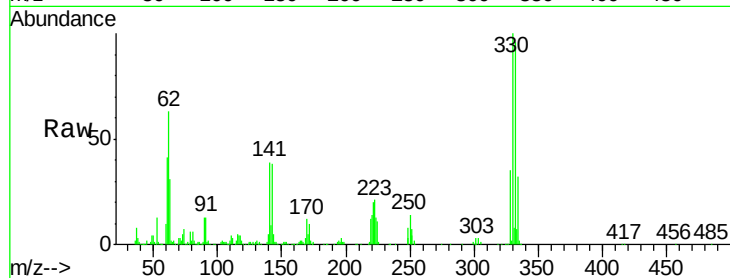
Tot Ion:330 Resp: 276456

Ion Ratio Lower Upper

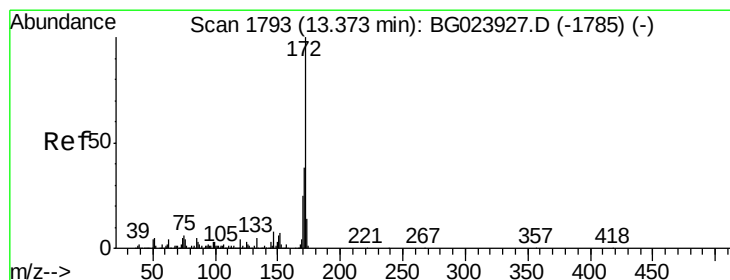
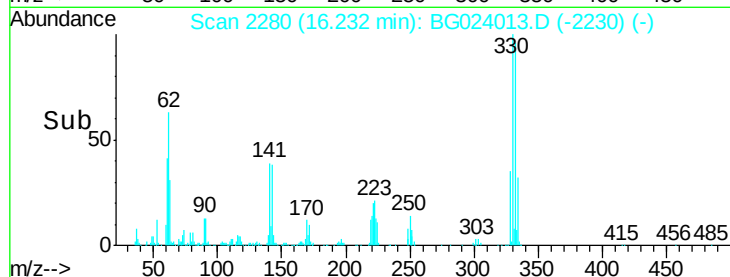
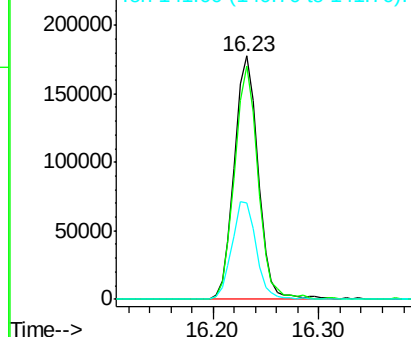
330 100

332 93.9 77.4 116.2

141 40.8 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: 83.00 ng

RT: 13.34 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

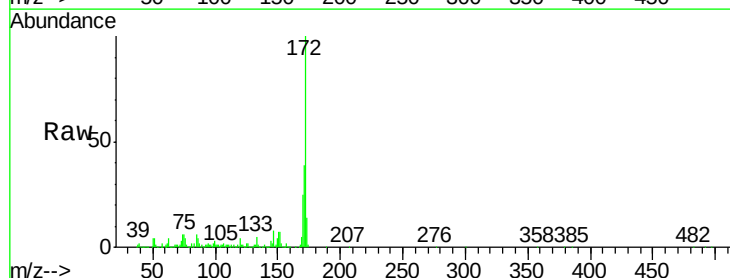
Tgt Ion:172 Resp: 1075245

Ion Ratio Lower Upper

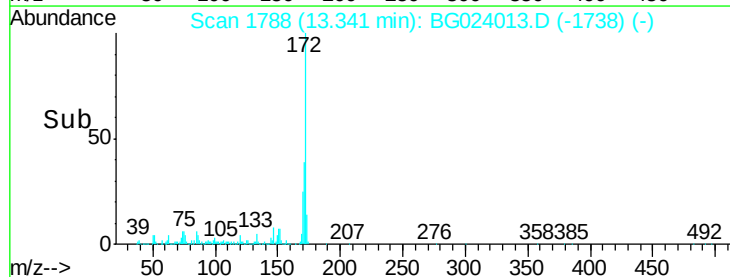
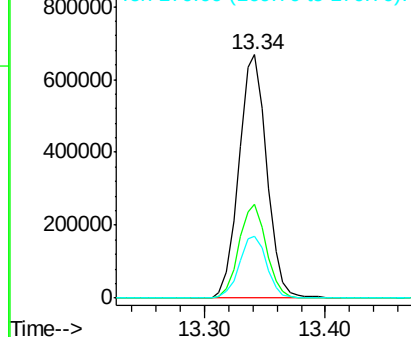
172 100

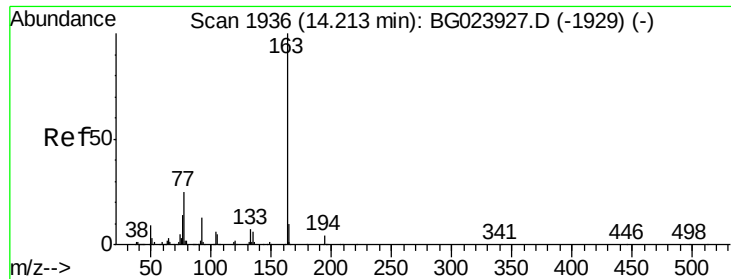
171 38.7 31.6 47.4

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: 5.27 ng

RT: 14.18 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

Instrument :

BNA\_G

ClientSampleId :

091516-DRDC-F-D-M

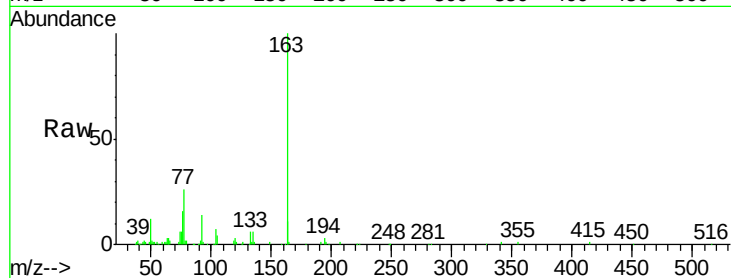
Tot Ion:163 Resp: 83944

Ion Ratio Lower Upper

163 100

194 3.3 3.6 5.4#

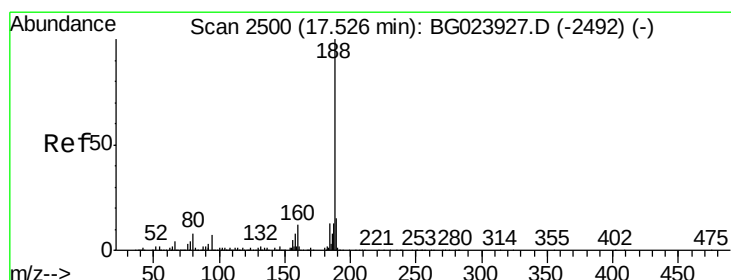
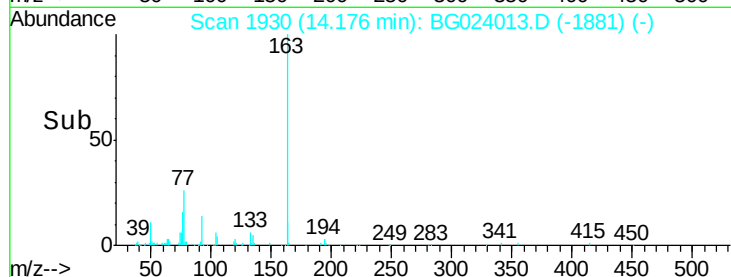
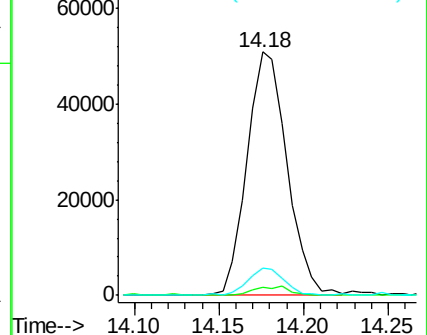
164 11.3 8.1 12.1



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: BG024013.D

Acq: 17 Sep 2016 3:41

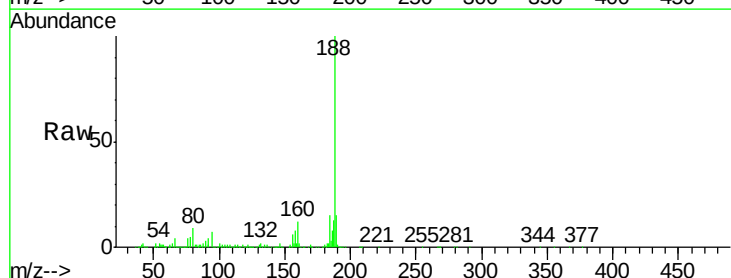
Tgt Ion:188 Resp: 444099

Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

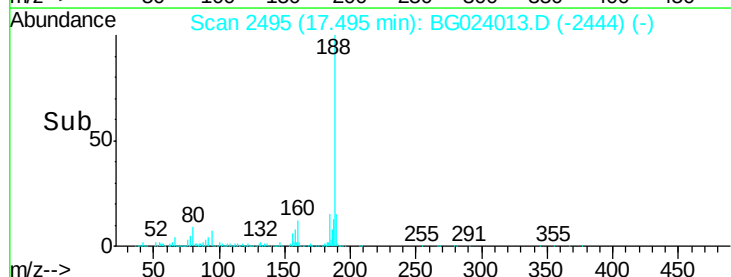
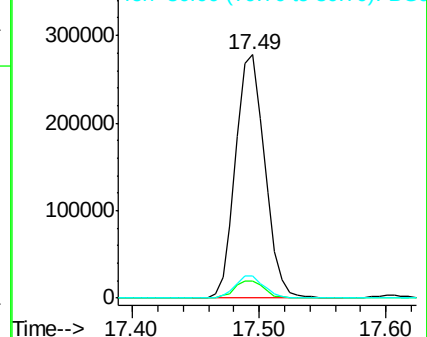
80 8.9 7.2 10.8

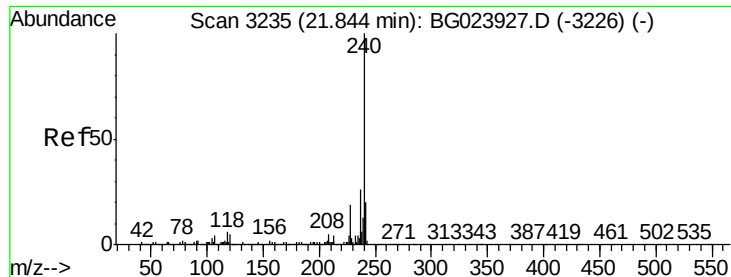


Abundance Ion 188.00 (187.70 to 188.70): E

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: BG024013.D

Acq: 17 Sep 2016 3:41

Instrument :

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ClientSampleId :

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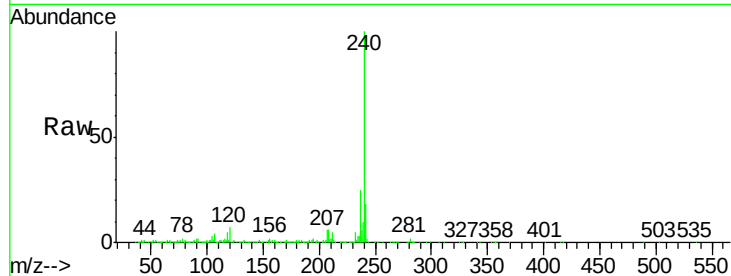
Tot Ion:240 Resp: 487584

Ion Ratio Lower Upper

240 100

120 6.6 4.1 6.1#

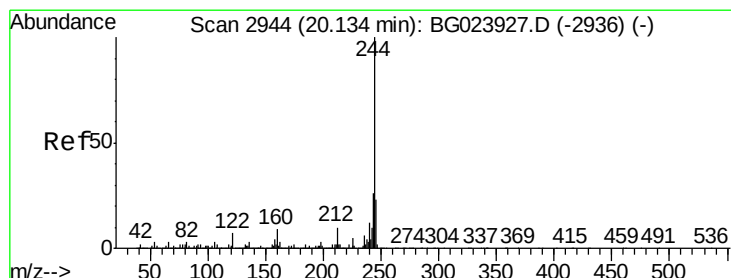
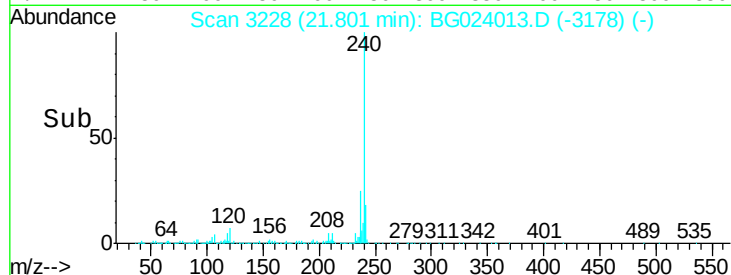
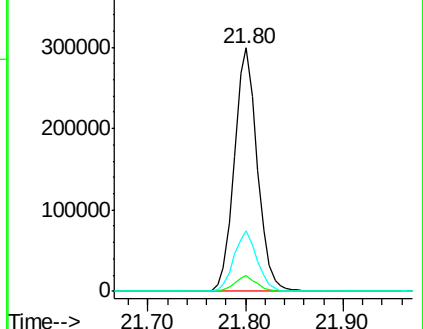
236 25.1 21.1 31.7



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: 81.23 ng

RT: 20.10 min Scan# 2939

Delta R.T. 0.00 min

Lab File: BG024013.D

Acq: 17 Sep 2016 3:41

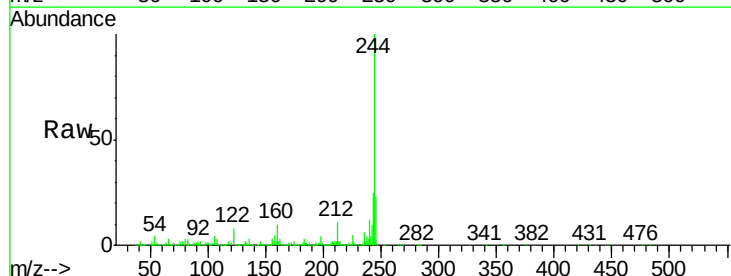
Tgt Ion:244 Resp: 1739032

Ion Ratio Lower Upper

244 100

212 10.8 10.8 16.2

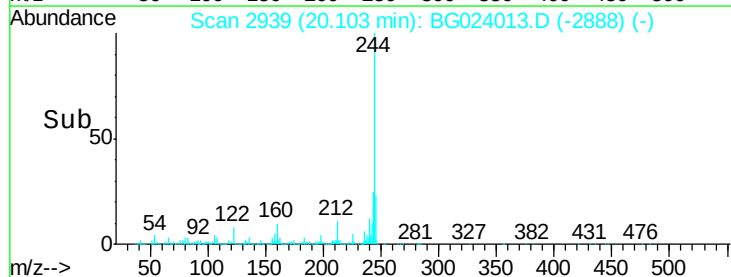
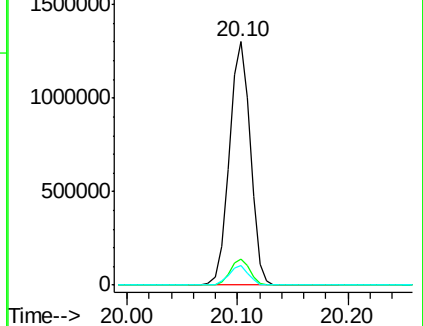
122 7.9 8.0 12.0#



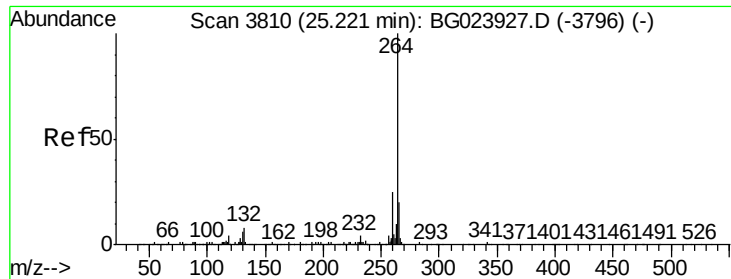
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.15 min Scan# 3798  
 Delta R.T. 0.00 min  
 Lab File: BG024013.D  
 Acq: 17 Sep 2016 3:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 091516-DRDC-F-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.4  | 27.6  |
| 265     | 23.0  | 18.9  | 28.3  |

