

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070916\  
 Data File : BG022945.D  
 Acq On : 9 Jul 2016 00:45  
 Operator : UM/SJ  
 Sample : H3884-06  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 09 05:30:46 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 16:51:07 2016  
 Response via : Initial Calibration

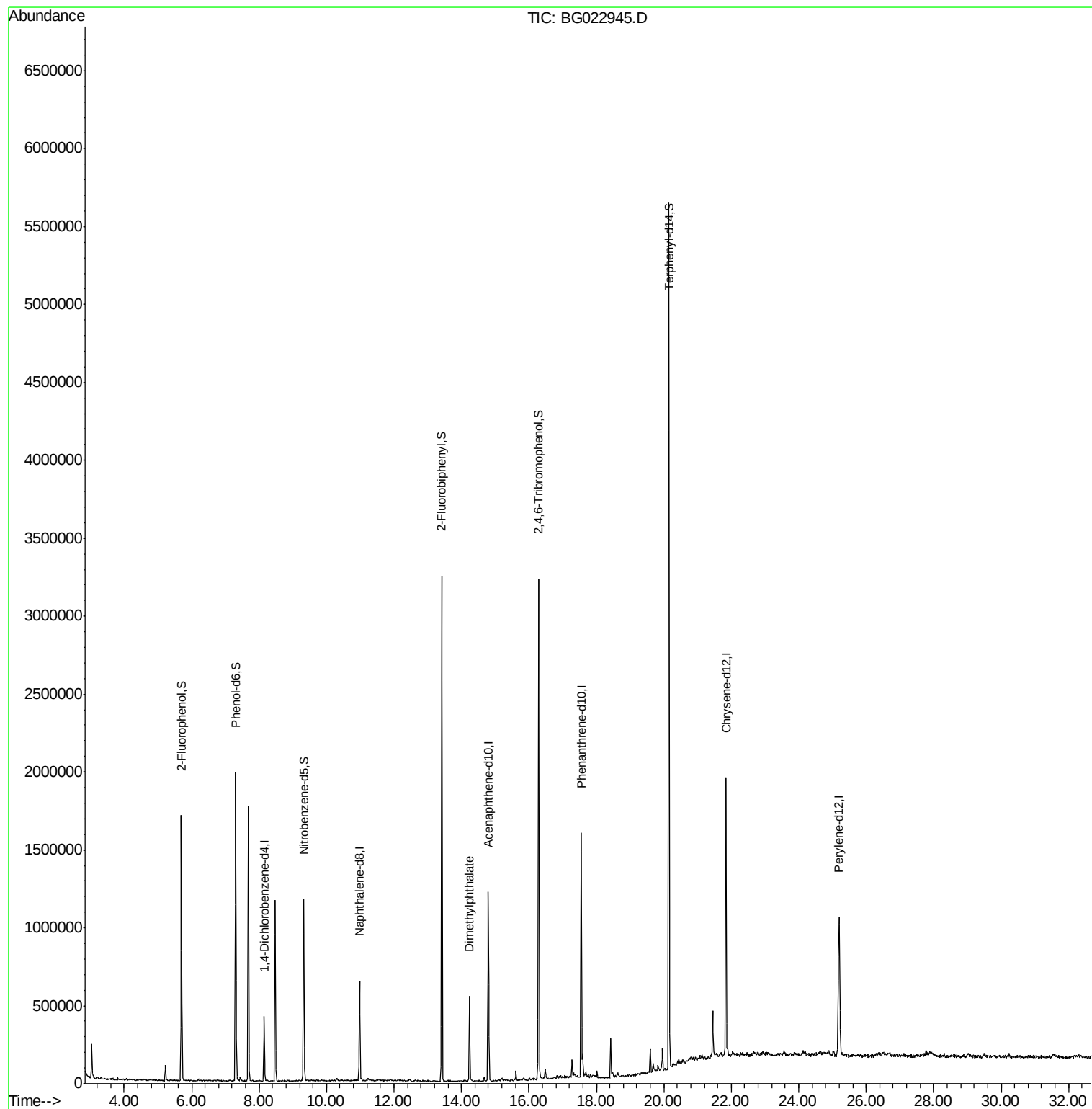
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 106551   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 513058   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 410479   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 968804   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.84 | 240  | 1055570  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.20 | 264  | 1086234  | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 673232   | 103.34 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 1119240  | 109.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 750600   | 62.64  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 634342   | 85.99  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1586418  | 60.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 2269227  | 61.12  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.23 | 163  | 340186   | 10.15  | ng    | 99       |

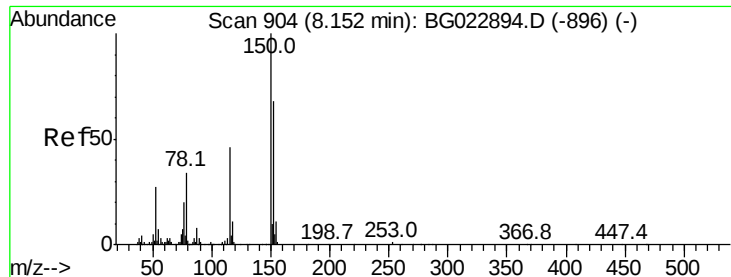
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :

Quant Time: Jul 09 05:30:46 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 07 16:51:07 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Instrument :

BNA\_G

ClientSampleId :

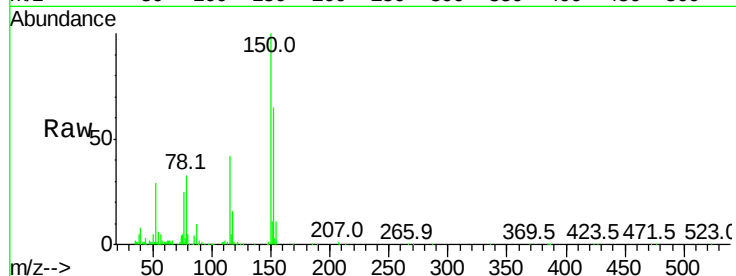
Tot Ion:152 Resp: 106551

Ion Ratio Lower Upper

152 100

150 153.1 144.7 217.1

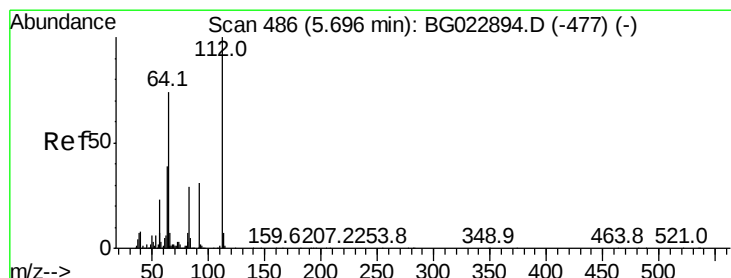
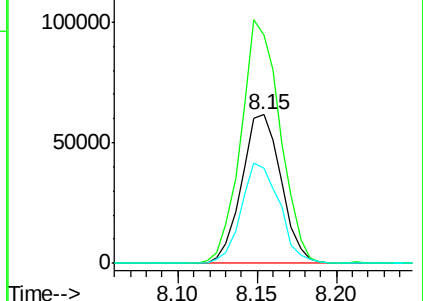
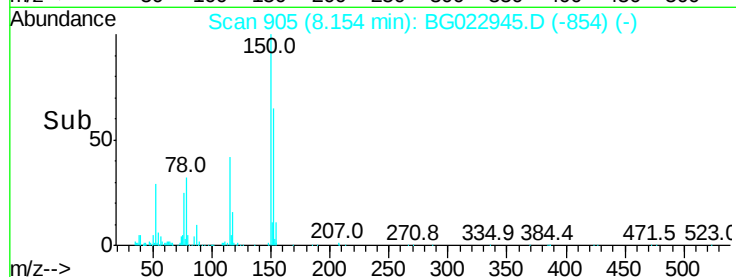
115 63.7 64.0 96.0#



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: 103.34 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

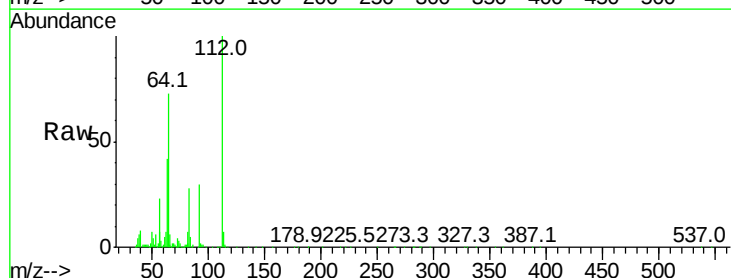
Tgt Ion:112 Resp: 673232

Ion Ratio Lower Upper

112 100

64 73.4 59.0 88.4

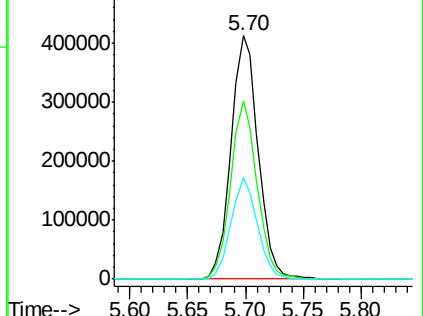
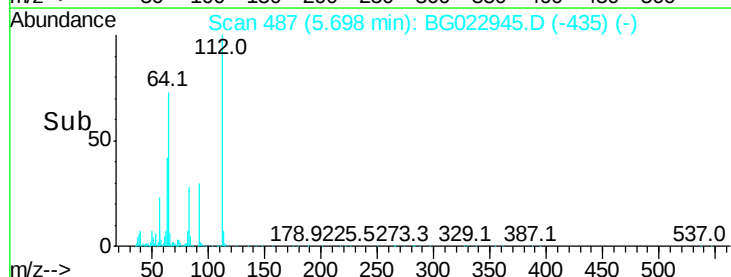
63 41.7 37.8 56.8

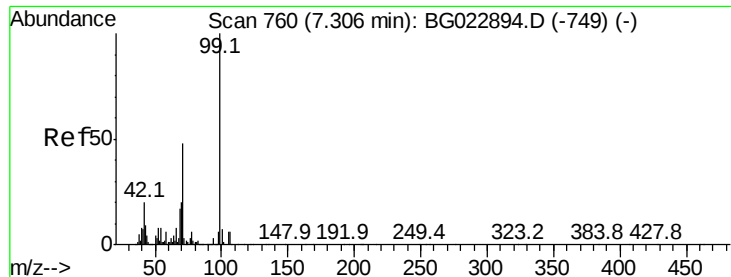


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.69 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Instrument :

BNA\_G

ClientSampleId :

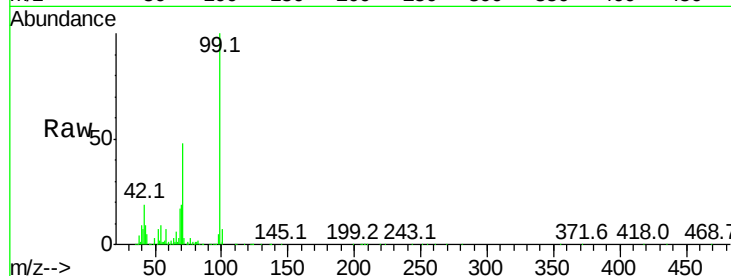
Tot Ion: 99 Resp: 1119240

Ion Ratio Lower Upper

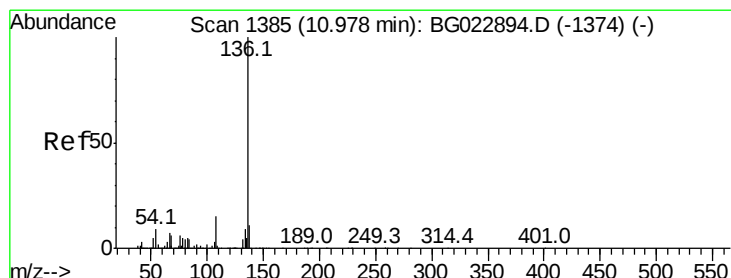
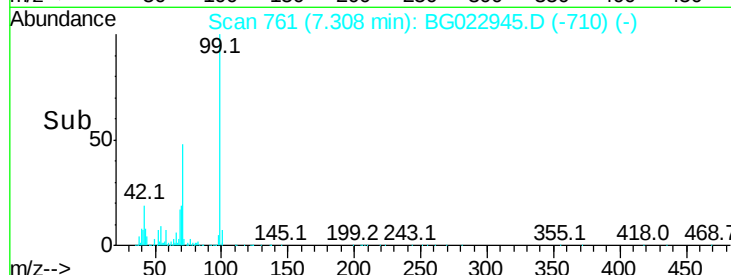
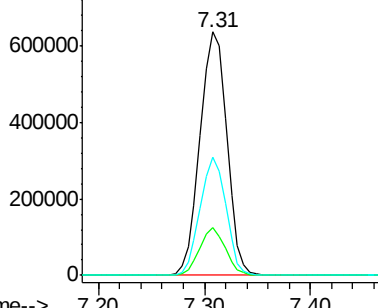
99 100

42 19.4 17.8 26.6

71 48.3 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: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Tgt Ion:136 Resp: 513058

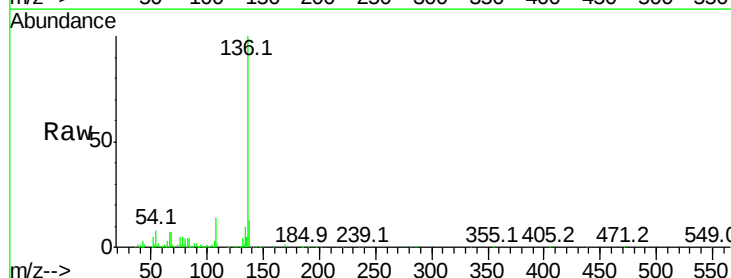
Ion Ratio Lower Upper

136 100

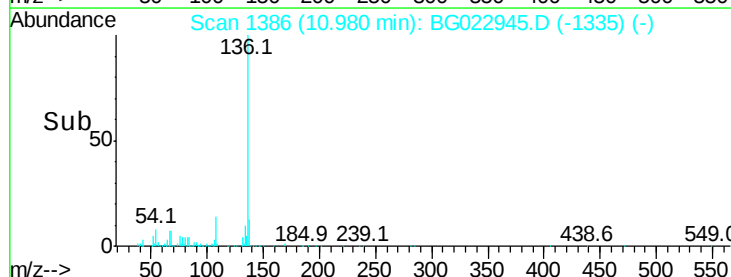
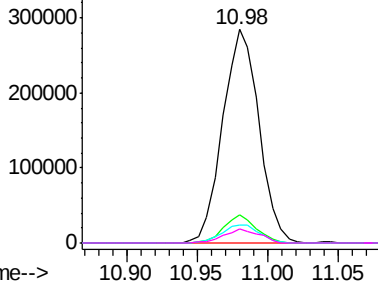
137 13.3 9.6 14.4

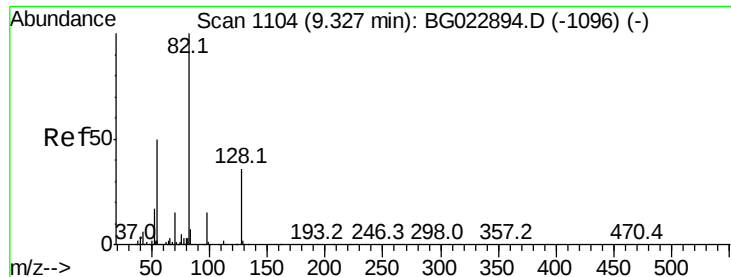
54 8.3 7.3 10.9

68 6.5 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: 62.64 ng

RT: 9.32 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Instrument :

BNA\_G

ClientSampleId :

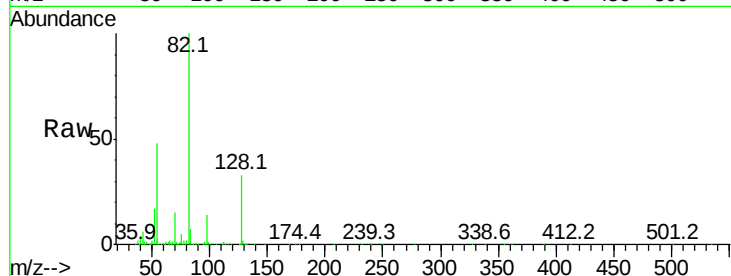
Tot Ion: 82 Resp: 750600

Ion Ratio Lower Upper

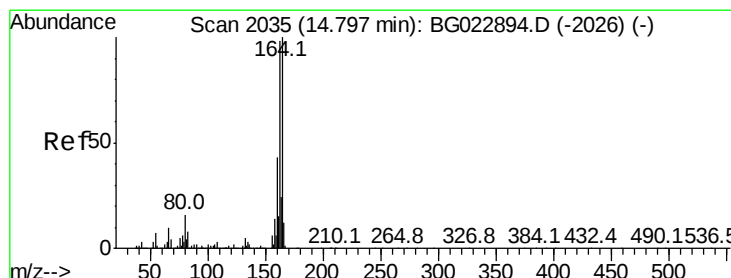
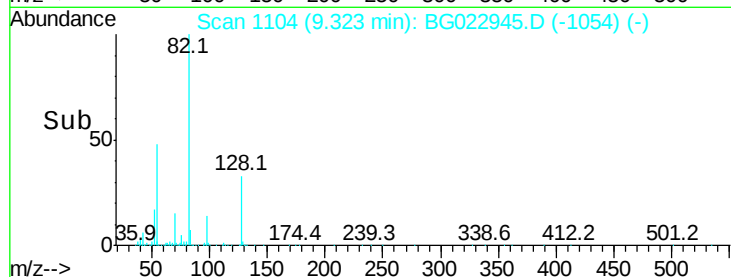
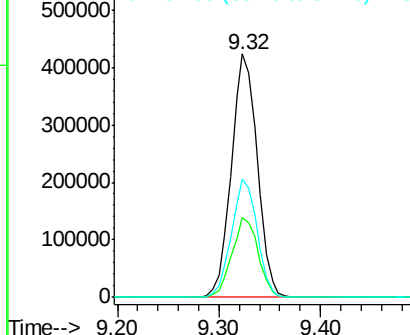
82 100

128 32.8 24.4 36.6

54 48.4 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: 14.80 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

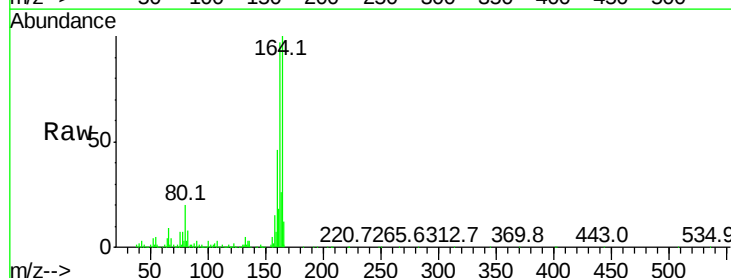
Tgt Ion: 164 Resp: 410479

Ion Ratio Lower Upper

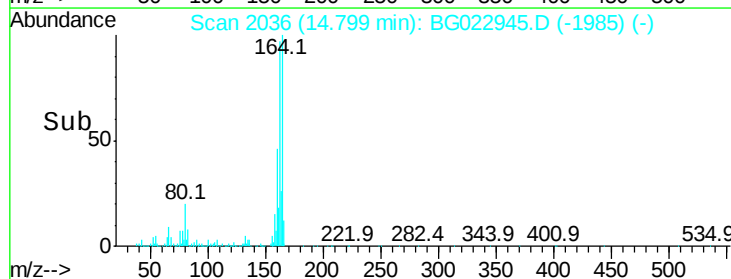
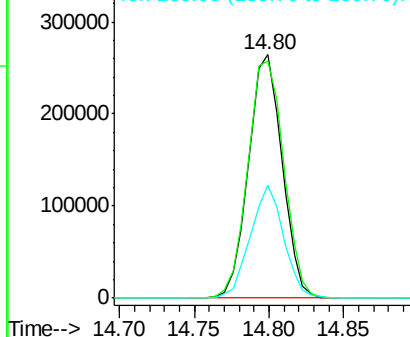
164 100

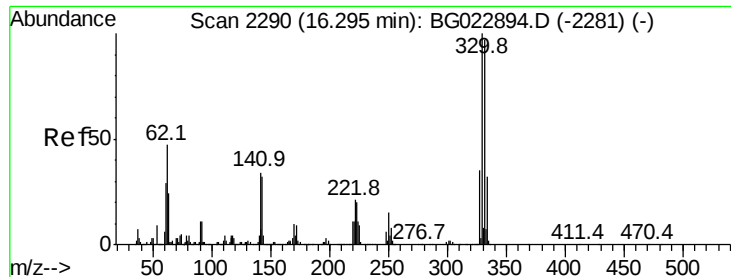
162 97.4 87.7 131.5

160 46.5 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: 85.99 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Instrument :

BNA\_G

ClientSampled :

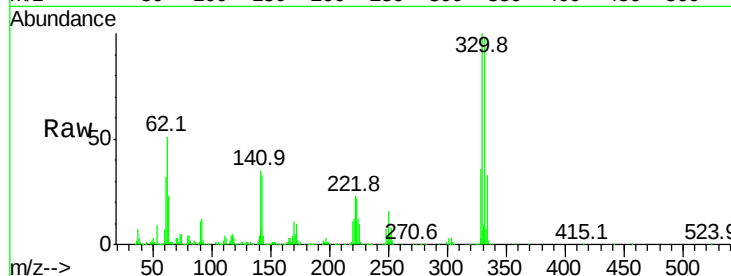
Tot Ion:330 Resp: 634342

Ion Ratio Lower Upper

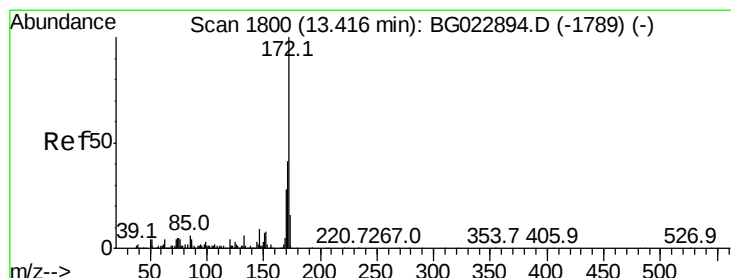
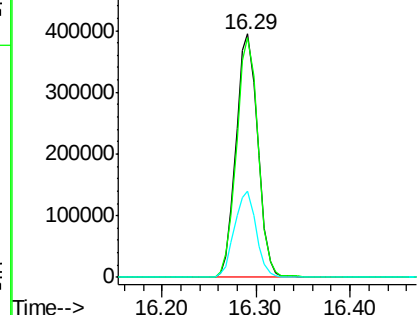
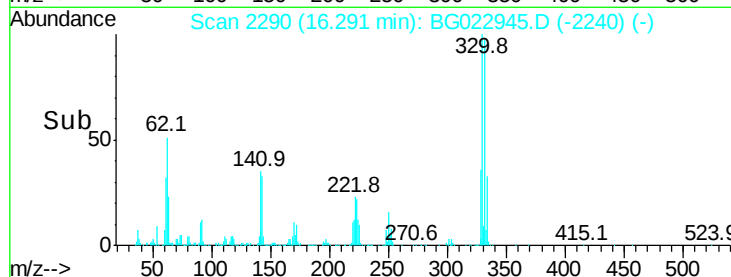
330 100

332 97.7 77.4 116.2

141 35.5 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: 60.88 ng

RT: 13.42 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

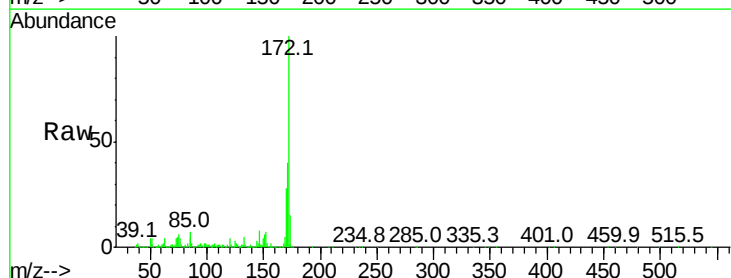
Tgt Ion:172 Resp: 1586418

Ion Ratio Lower Upper

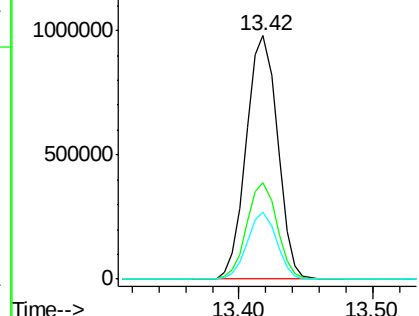
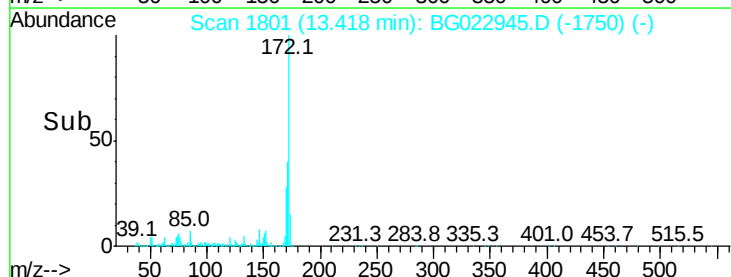
172 100

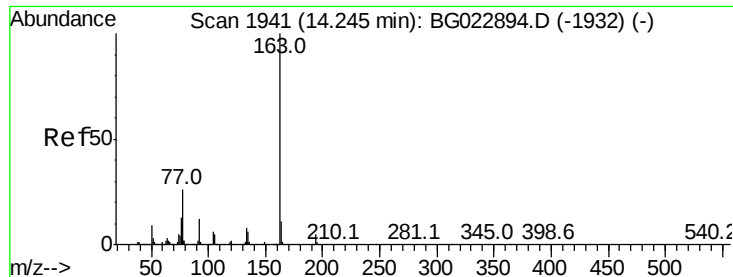
171 39.7 31.6 47.4

170 27.7 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: 10.15 ng

RT: 14.23 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Instrument :

BNA\_G

ClientSampleId :

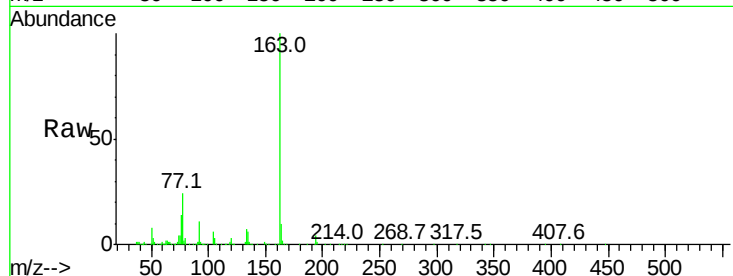
Tot Ion:163 Resp: 340186

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.2   | 3.6   | 5.4   |
| 164 | 10.3  | 8.1   | 12.1  |

163 100

194 4.2 3.6 5.4

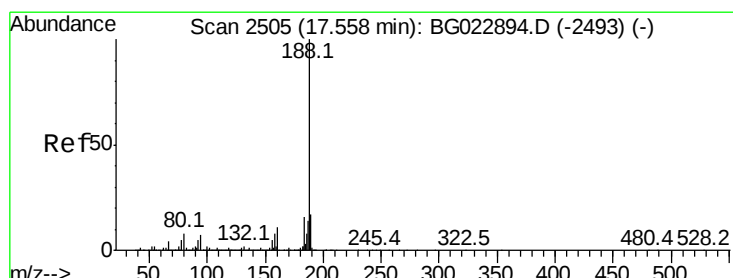
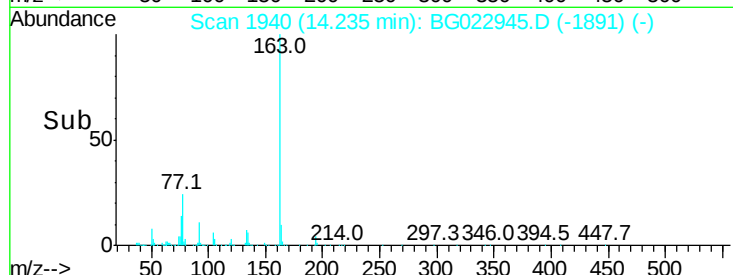
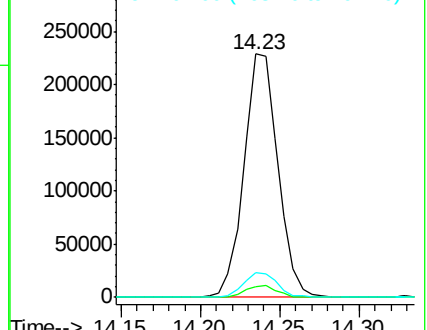
164 10.3 8.1 12.1



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: 17.55 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

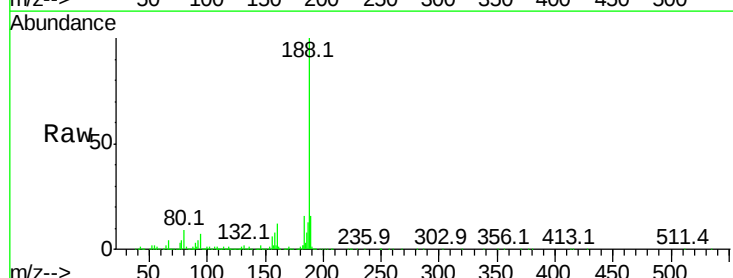
Tgt Ion:188 Resp: 968804

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.0   | 5.2   | 7.8   |
| 80  | 8.7   | 7.2   | 10.8  |

188 100

94 7.0 5.2 7.8

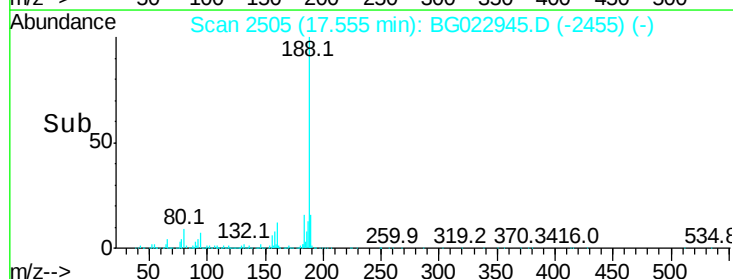
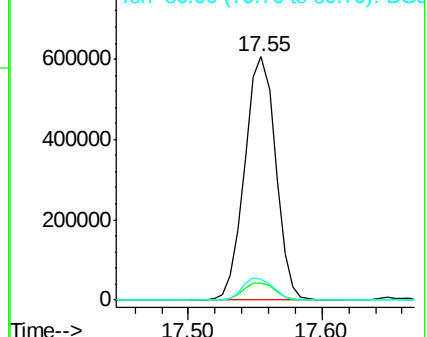
80 8.7 7.2 10.8

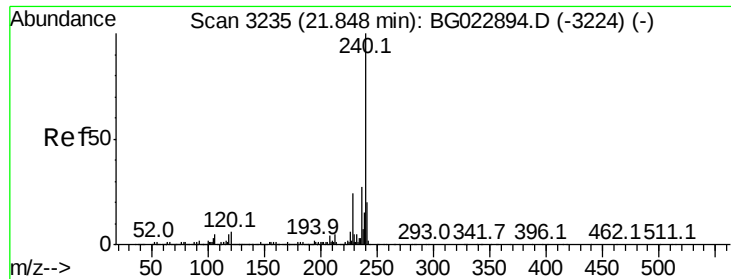


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

Instrument :

BNA\_G

ClientSampleId :

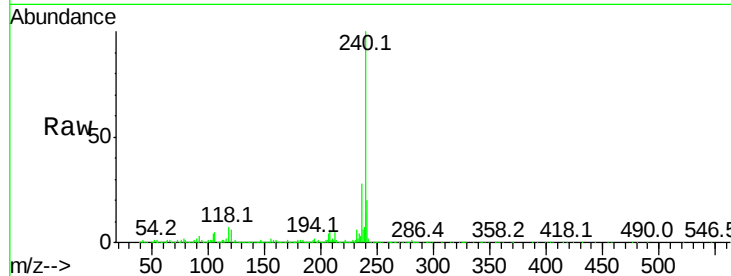
Tot Ion:240 Resp: 1055570

Ion Ratio Lower Upper

240 100

120 6.1 4.1 6.1#

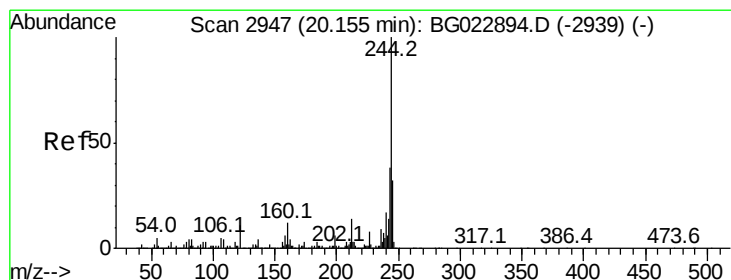
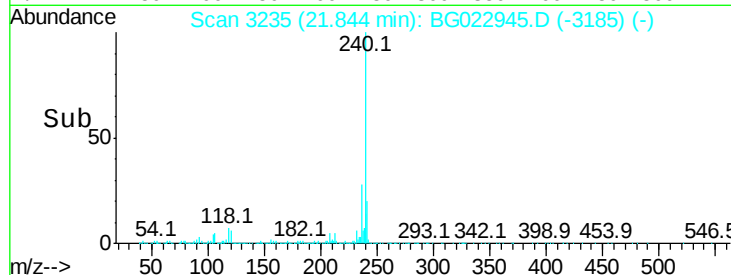
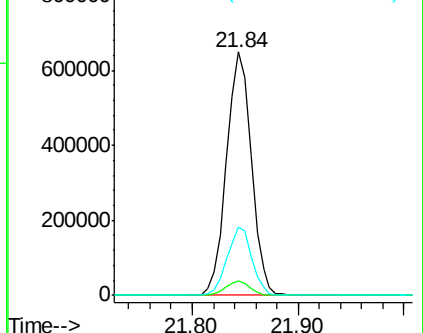
236 28.0 21.1 31.7



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: 61.12 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022945.D

Acq: 9 Jul 2016 00:45

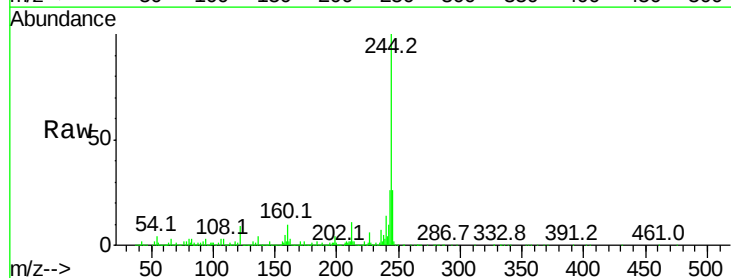
Tgt Ion:244 Resp: 2269227

Ion Ratio Lower Upper

244 100

212 11.5 10.8 16.2

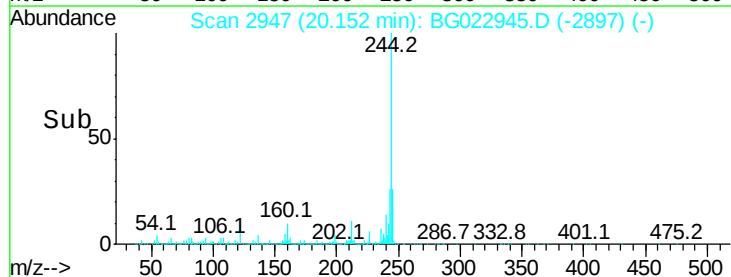
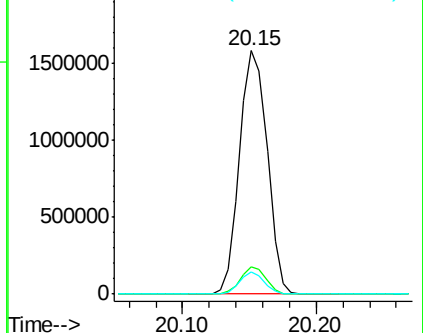
122 8.9 8.0 12.0

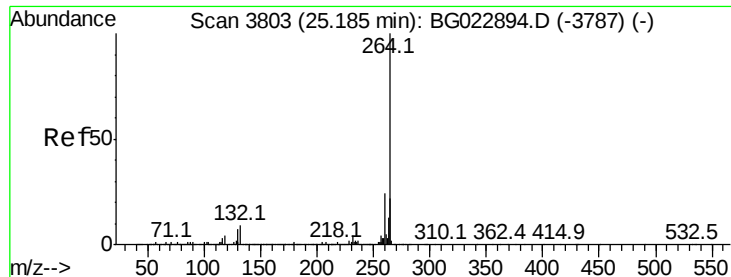


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



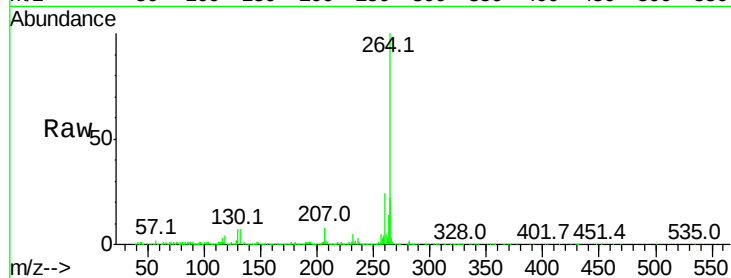


#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.20 min Scan# 3806  
 Delta R.T. 0.01 min  
 Lab File: BG022945.D  
 Acq: 9 Jul 2016 00:45

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:264 Resp: 1086234  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 18.4  | 27.6  |
| 265 | 21.8  | 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

