

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070816\  
 Data File : BG022920.D  
 Acq On : 8 Jul 2016 7:25  
 Operator : UM/SJ  
 Sample : H3900-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-2

Quant Time: Jul 08 08:01:11 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

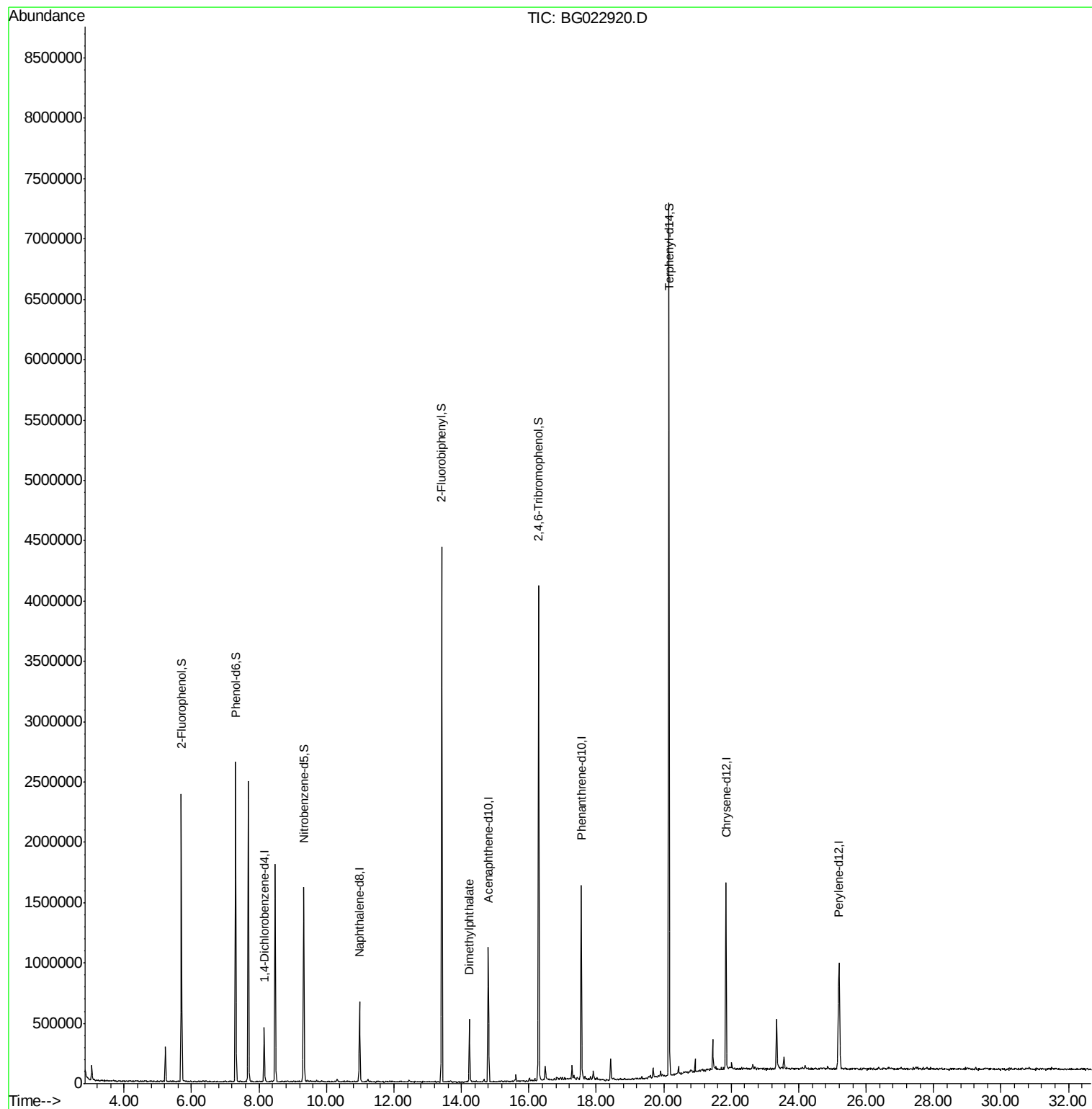
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 115523   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.98 | 136  | 510290   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.79 | 164  | 385719   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.56 | 188  | 958854   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.84 | 240  | 966520   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.19 | 264  | 1017655  | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.70  | 112  | 923814   | 130.79 | ng    | 0.00         |
| 7) Phenol-d6                | 7.31  | 99   | 1466576  | 132.57 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 1062437  | 89.15  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 789203   | 113.84 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2092804  | 85.46  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.15 | 244  | 2853501  | 100.25 | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.24 | 163  | 324567   | 10.30  | ng    | Qvalue<br>98 |

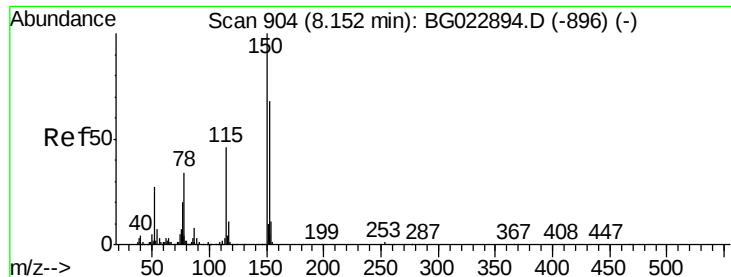
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 07 16:51:07 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

Instrument :

BNA\_G

ClientSampleId :

B-2

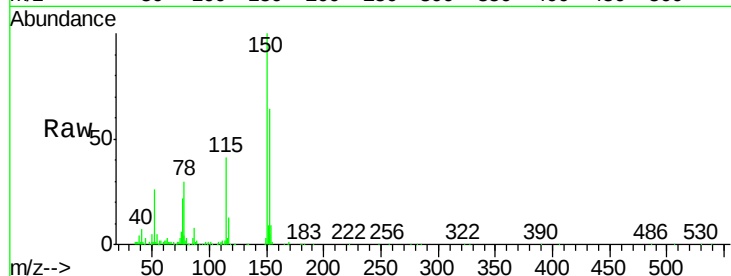
Tgt Ion:152 Resp: 115523

Ion Ratio Lower Upper

152 100

150 155.5 144.7 217.1

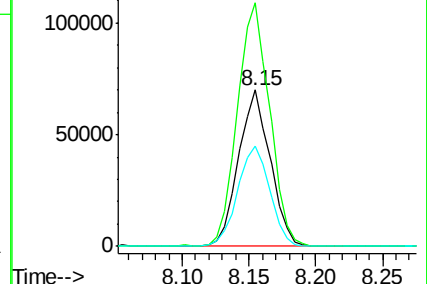
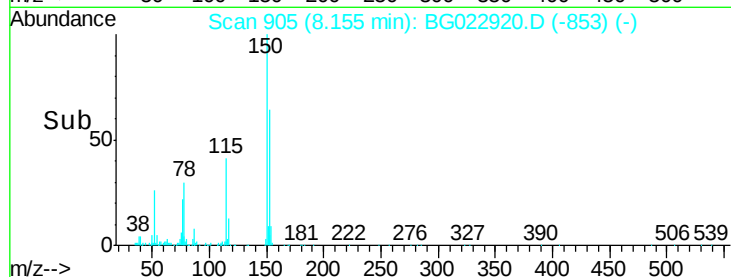
115 64.0 64.0 96.0#



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: 130.79 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

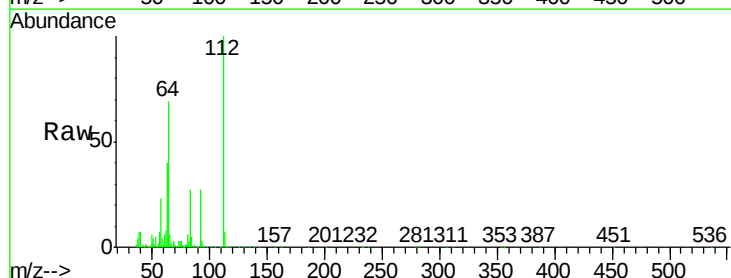
Tgt Ion:112 Resp: 923814

Ion Ratio Lower Upper

112 100

64 69.1 59.0 88.4

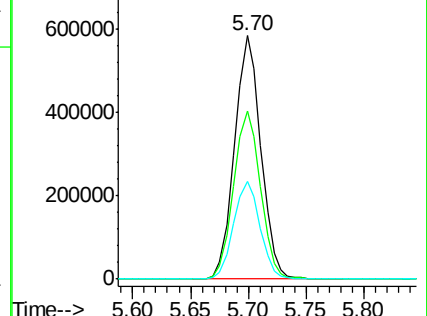
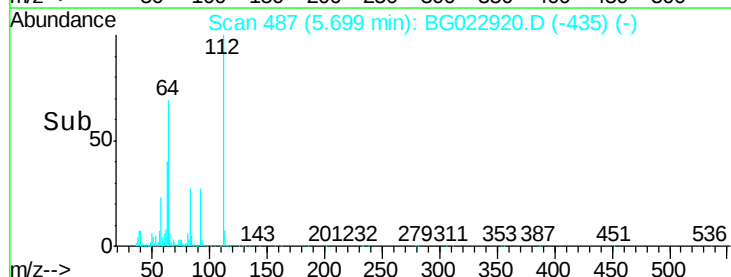
63 40.2 37.8 56.8

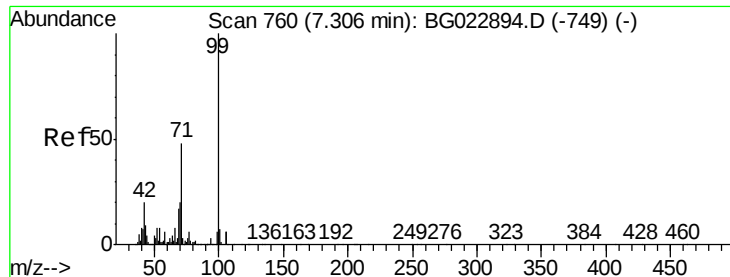


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 132.57 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

Instrument :

BNA\_G

ClientSampled :

B-2

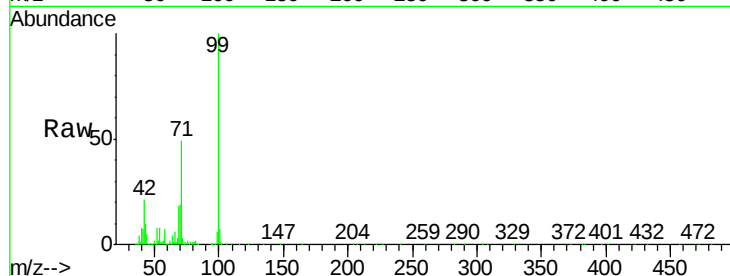
Tgt Ion: 99 Resp: 1466576

Ion Ratio Lower Upper

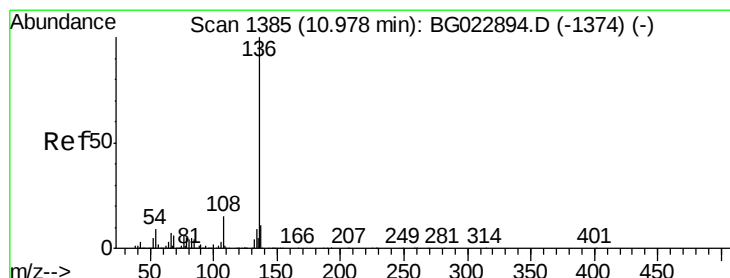
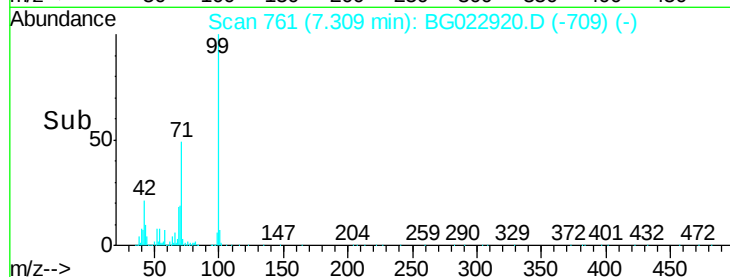
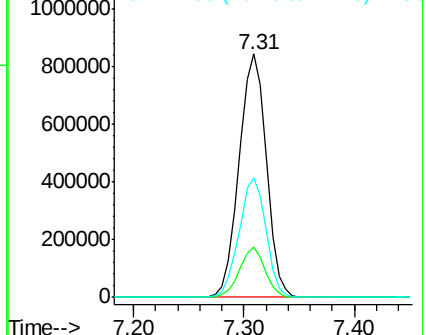
99 100

42 20.6 17.8 26.6

71 49.2 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: BG022920.D

Acq: 8 Jul 2016 7:25

Tgt Ion: 136 Resp: 510290

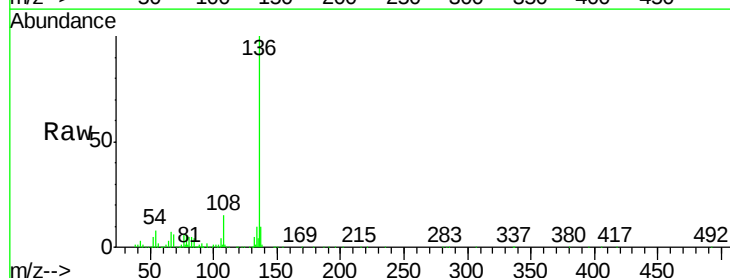
Ion Ratio Lower Upper

136 100

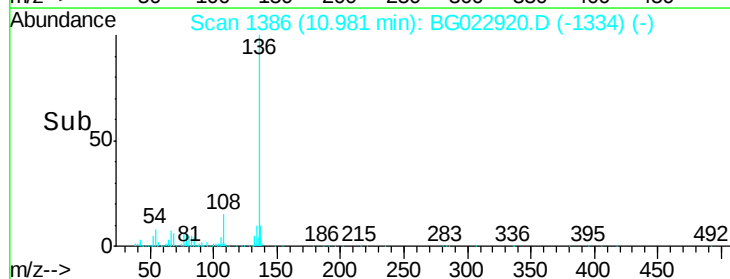
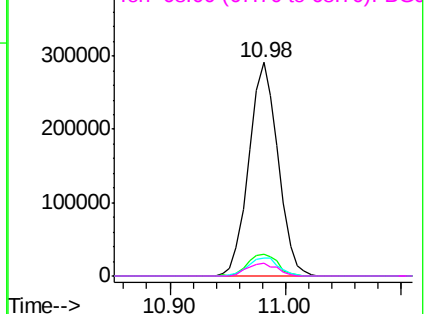
137 10.3 9.6 14.4

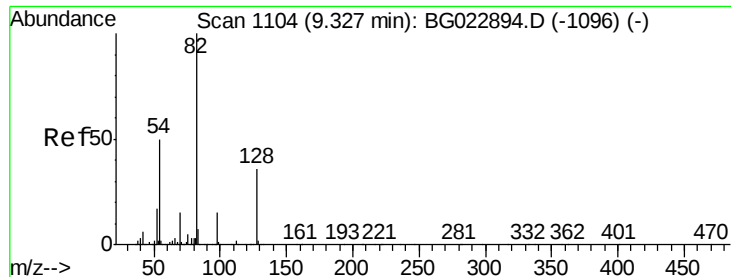
54 8.5 7.3 10.9

68 5.8 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

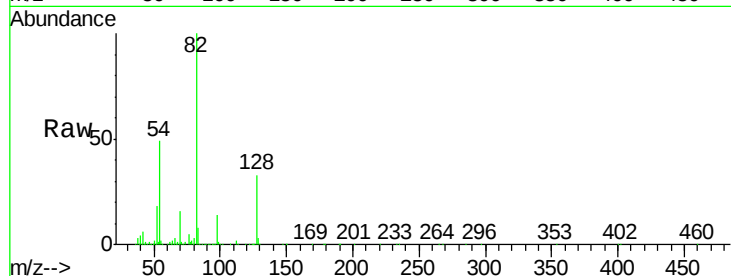




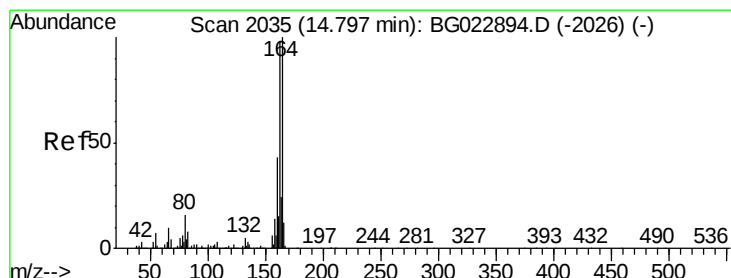
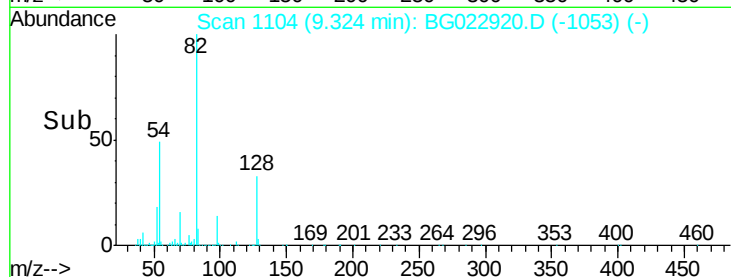
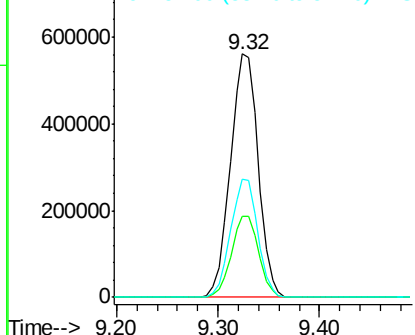
#23  
 Nitrobenzene-d5  
 Concen: 89.15 ng  
 RT: 9.32 min Scan# 1104  
 Delta R.T. -0.00 min  
 Lab File: BG022920.D  
 Acq: 8 Jul 2016 7:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-2

Tgt Ion: 82 Resp: 1062437  
 Ion Ratio Lower Upper  
 82 100  
 128 33.1 24.4 36.6  
 54 48.8 41.4 62.0

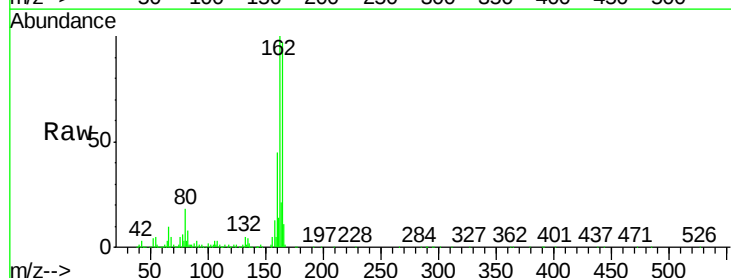


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

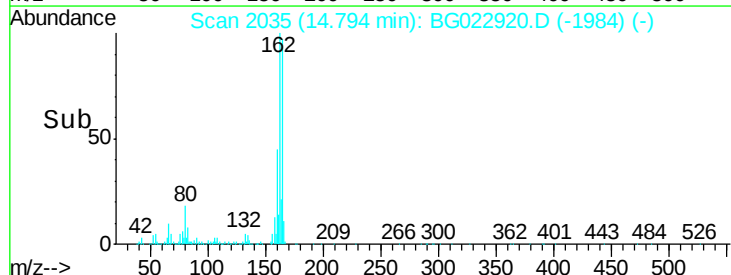
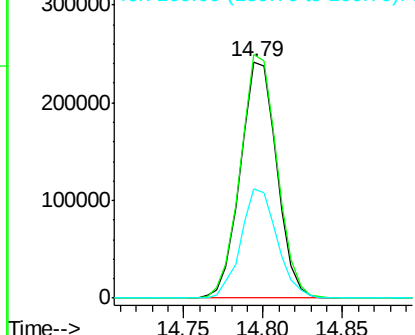


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.79 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: BG022920.D  
 Acq: 8 Jul 2016 7:25

Tgt Ion: 164 Resp: 385719  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 87.7 131.5  
 160 46.4 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: 113.84 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

Instrument :

BNA\_G

ClientSampleId :

B-2

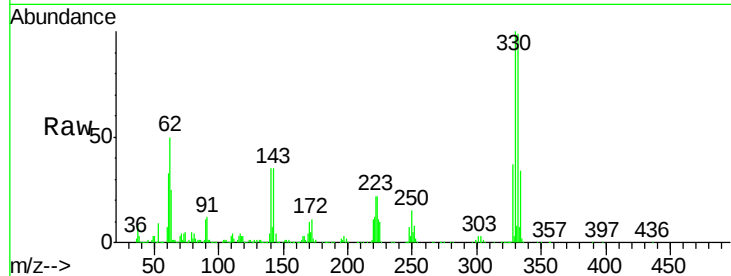
Tgt Ion:330 Resp: 789203

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

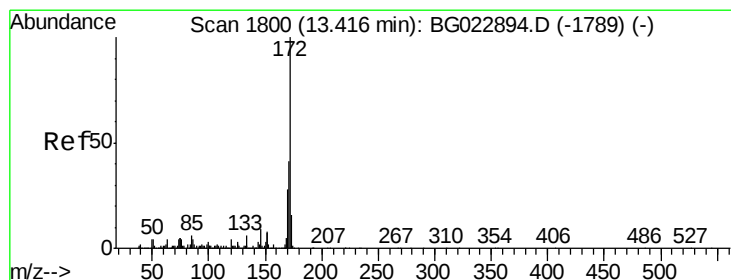
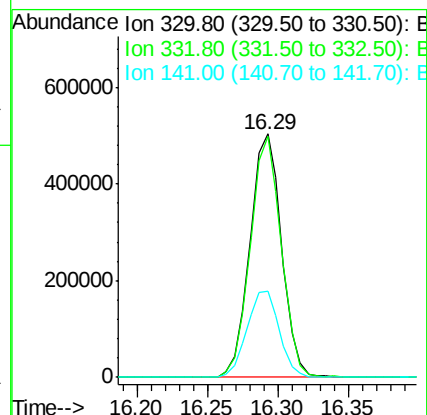
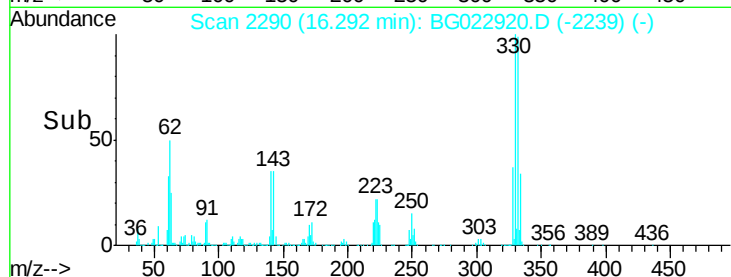
141 36.5 31.7 47.5



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: 85.46 ng

RT: 13.42 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

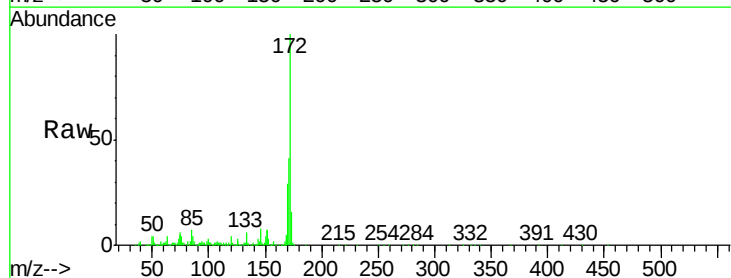
Tgt Ion:172 Resp: 2092804

Ion Ratio Lower Upper

172 100

171 41.1 31.6 47.4

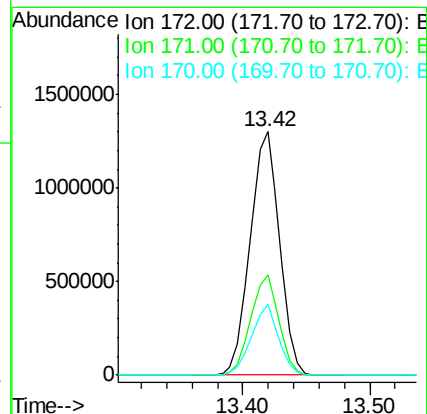
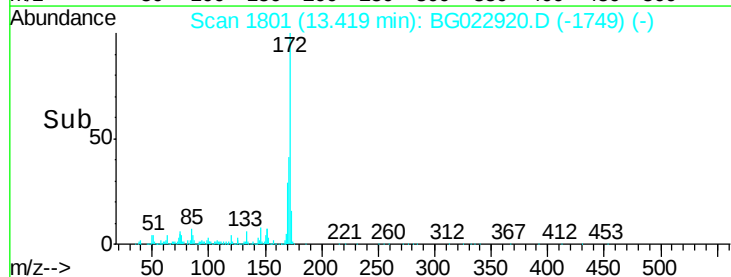
170 29.0 21.3 31.9



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: 10.30 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

Instrument :

BNA\_G

ClientSampleId :

B-2

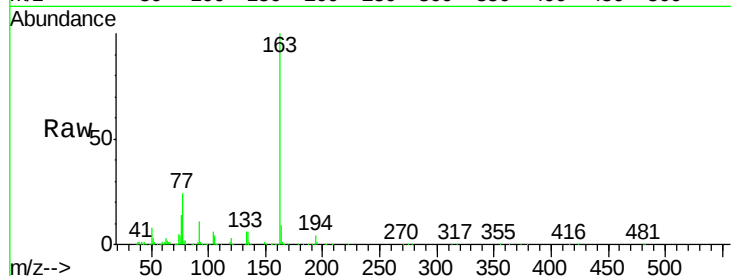
Tgt Ion:163 Resp: 324567

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

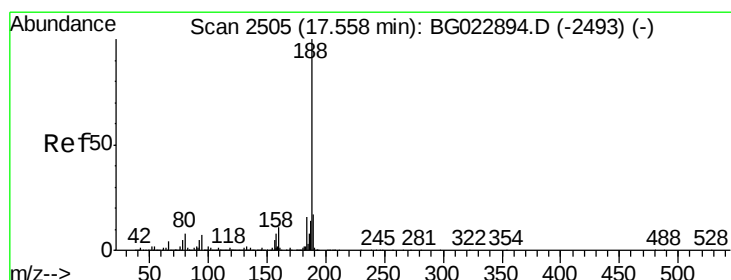
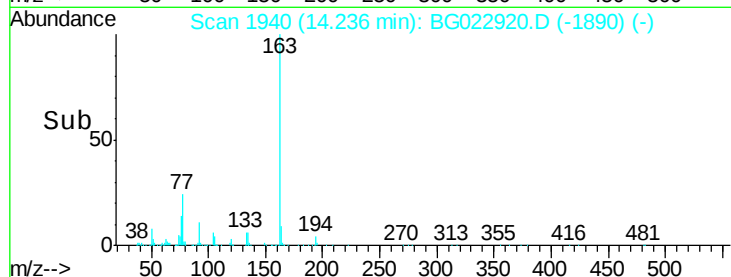
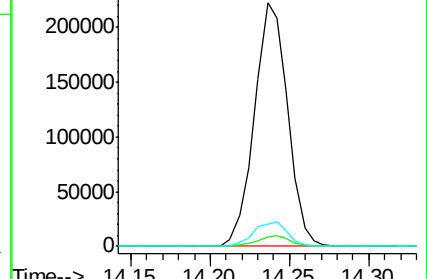
164 9.1 8.1 12.1



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: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG022920.D

Acq: 8 Jul 2016 7:25

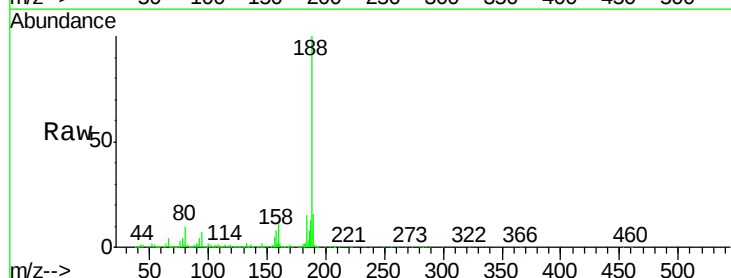
Tgt Ion:188 Resp: 958854

Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

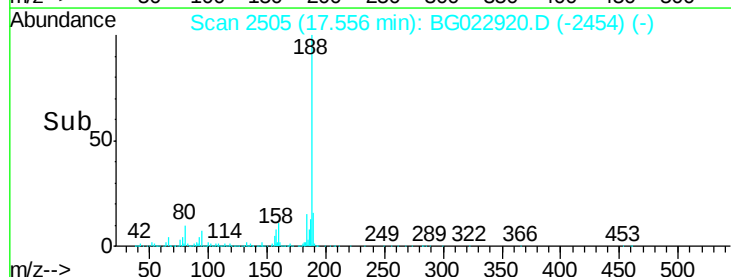
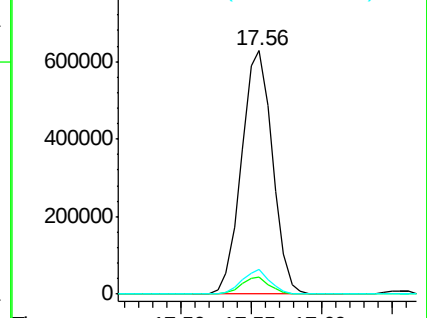
80 10.1 7.2 10.8

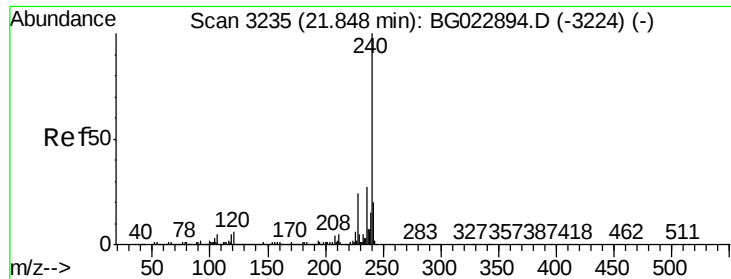


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

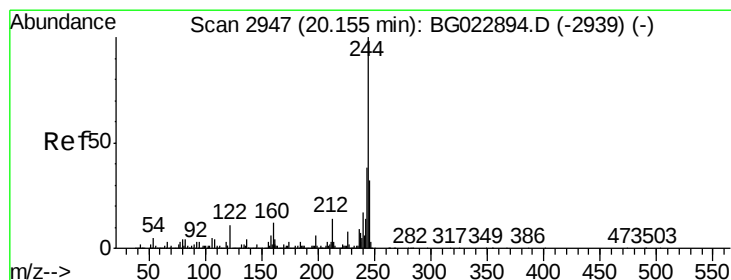
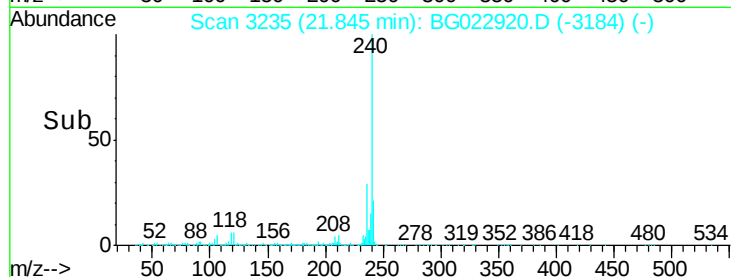
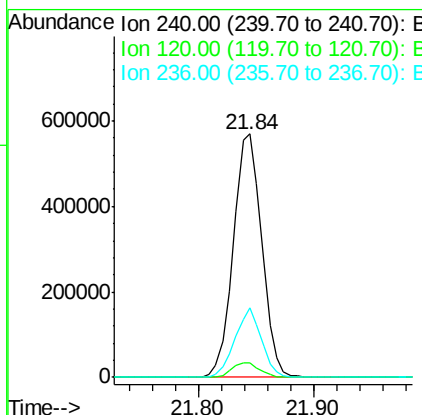
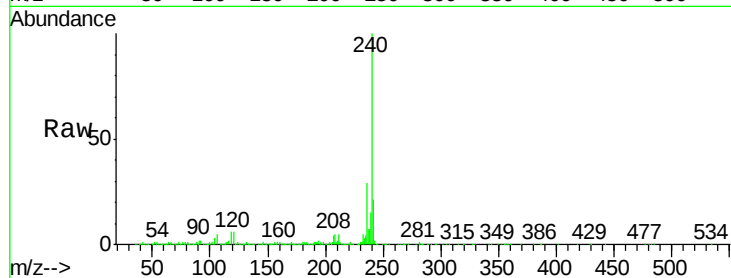




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.84 min Scan# 3235  
Delta R.T. -0.00 min  
Lab File: BG022920.D  
Acq: 8 Jul 2016 7:25

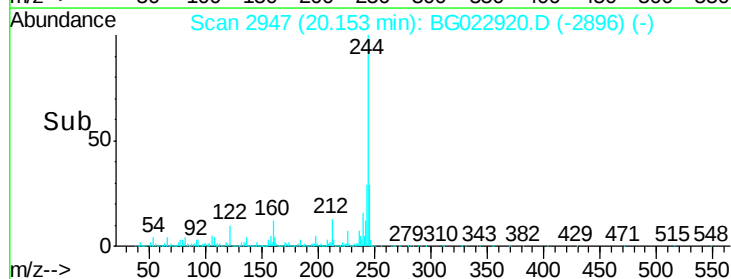
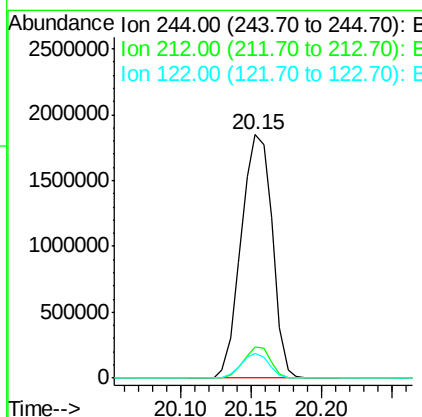
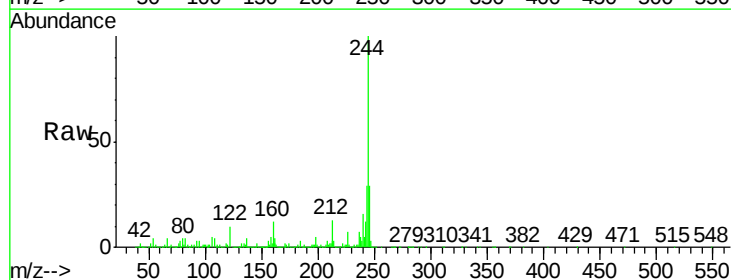
Instrument :  
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B-2

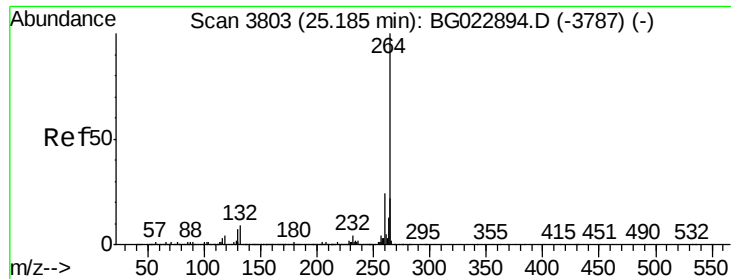
Tgt Ion:240 Resp: 966520  
Ion Ratio Lower Upper  
240 100  
120 6.0 4.1 6.1  
236 28.6 21.1 31.7



#78  
Terphenyl-d14  
Concen: 100.25 ng  
RT: 20.15 min Scan# 2947  
Delta R.T. -0.00 min  
Lab File: BG022920.D  
Acq: 8 Jul 2016 7:25

Tgt Ion:244 Resp: 2853501  
Ion Ratio Lower Upper  
244 100  
212 12.9 10.8 16.2  
122 10.3 8.0 12.0





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.19 min Scan# 3805  
Delta R.T. 0.01 min  
Lab File: BG022920.D  
Acq: 8 Jul 2016 7:25

Instrument :  
BNA\_G  
ClientSampleId :  
B-2

Tgt Ion: 264 Resp: 1017655  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.4  | 27.6  |
| 265 | 22.5  | 18.9  | 28.3  |

