

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072316\  
 Data File : BG023230.D  
 Acq On : 23 Jul 2016 00:46  
 Operator : UM/SJ  
 Sample : H4131-25  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D-7

Quant Time: Jul 23 02:32:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 19 15:46:37 2016  
 Response via : Initial Calibration

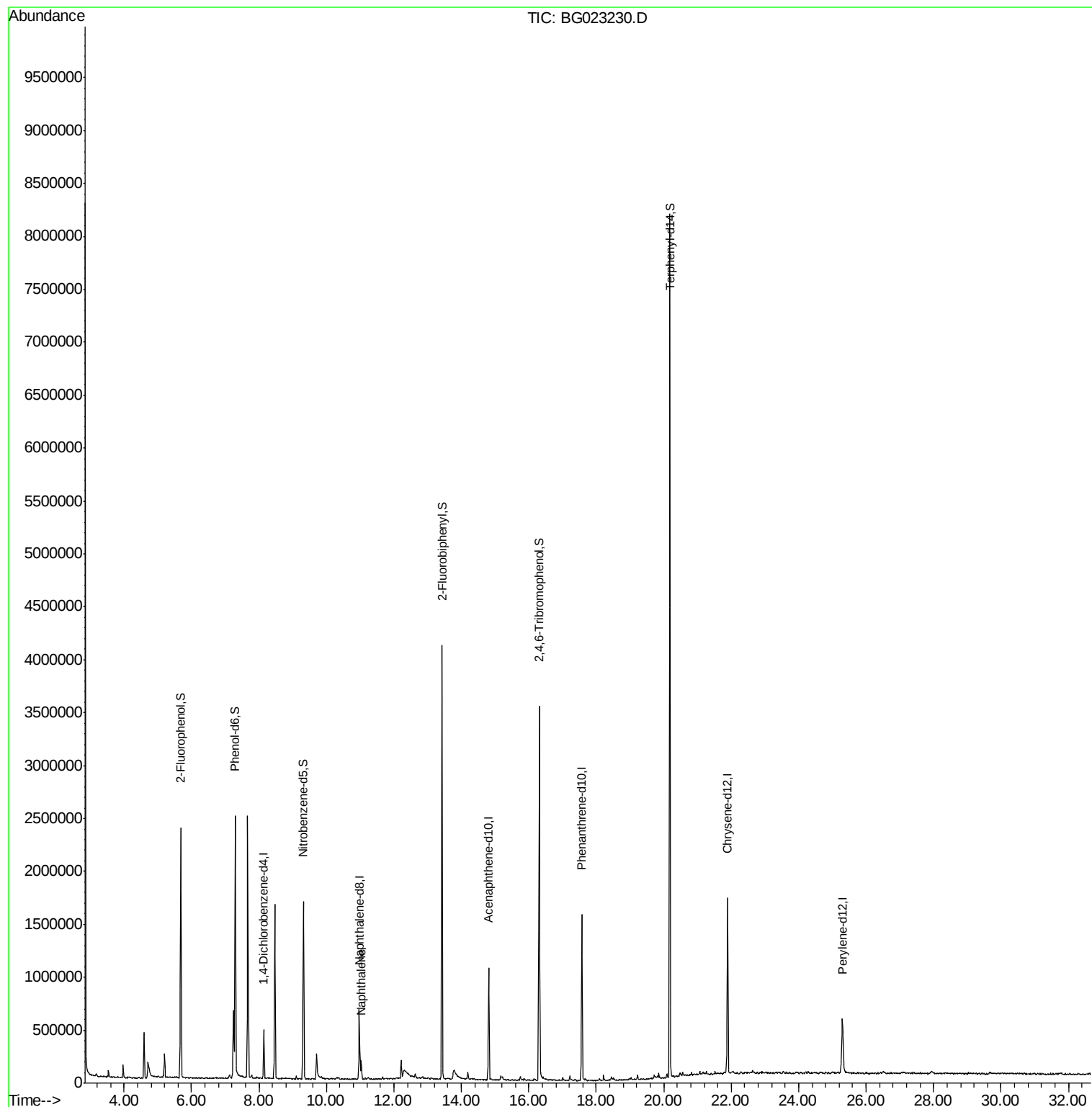
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 114849   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.98 | 136  | 521957   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.81 | 164  | 351981   | 20.00  | ng    | 0.01           |
| 63) Phenanthrene-d10        | 17.57 | 188  | 916407   | 20.00  | ng    | 0.02           |
| 75) Chrysene-d12            | 21.89 | 240  | 936376   | 20.00  | ng    | 0.01           |
| 86) Perylene-d12            | 25.29 | 264  | 491470   | 20.00  | ng    | 0.02           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.68  | 112  | 929624   | 132.38 | ng    | 0.00           |
| 7) Phenol-d6                | 7.30  | 99   | 1285930  | 116.92 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 1068896  | 87.69  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.31 | 330  | 620095   | 98.02  | ng    | 0.01           |
| 44) 2-Fluorobiphenyl        | 13.43 | 172  | 1933379  | 86.52  | ng    | 0.01           |
| 78) Terphenyl-d14           | 20.18 | 244  | 2928408  | 112.03 | ng    | 0.02           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 11.03 | 128  | 138886   | 5.23   | ng    | Qvalue<br># 94 |

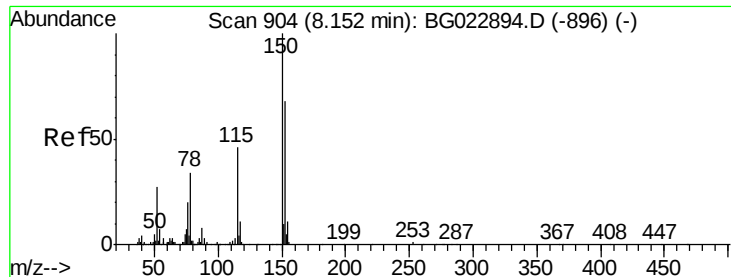
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 903

Delta R.T. 0.00 min

Lab File: BG023230.D

Acq: 23 Jul 2016 00:46

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BNA\_G

ClientSampleId :

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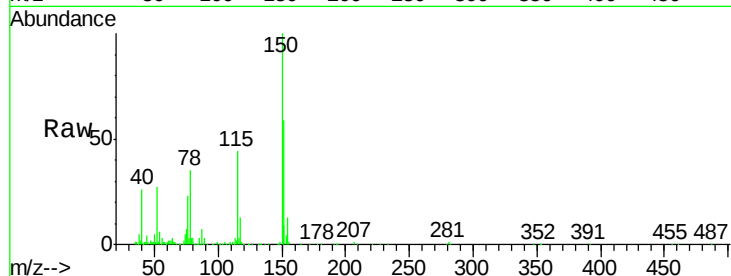
Tgt Ion:152 Resp: 114849

Ion Ratio Lower Upper

152 100

150 168.6 144.7 217.1

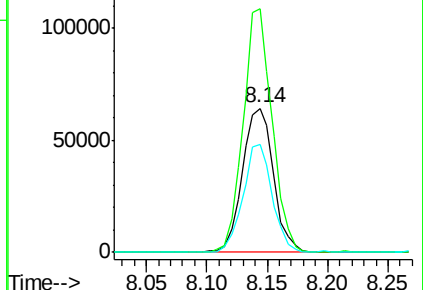
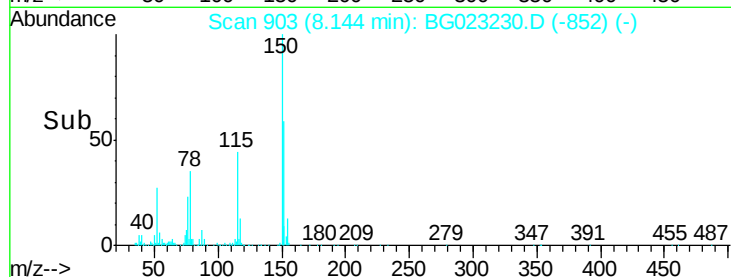
115 74.7 64.0 96.0



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: 132.38 ng

RT: 5.68 min Scan# 484

Delta R.T. 0.01 min

Lab File: BG023230.D

Acq: 23 Jul 2016 00:46

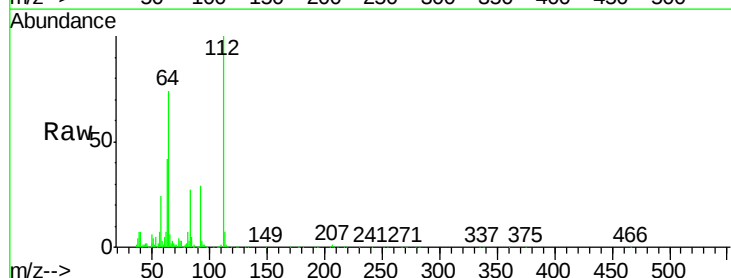
Tgt Ion:112 Resp: 929624

Ion Ratio Lower Upper

112 100

64 73.7 59.0 88.4

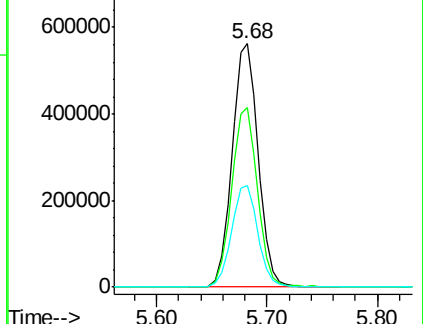
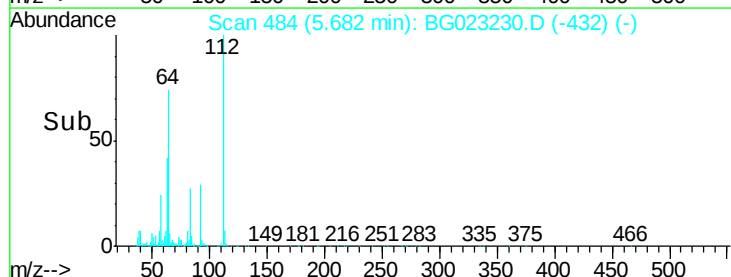
63 41.6 37.8 56.8

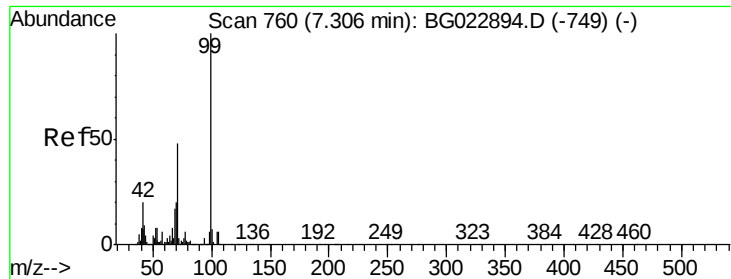


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 116.92 ng

RT: 7.30 min Scan# 759

Delta R.T. 0.00 min

Lab File: BG023230.D

Acq: 23 Jul 2016 00:46

Instrument :

BNA\_G

ClientSampleId :

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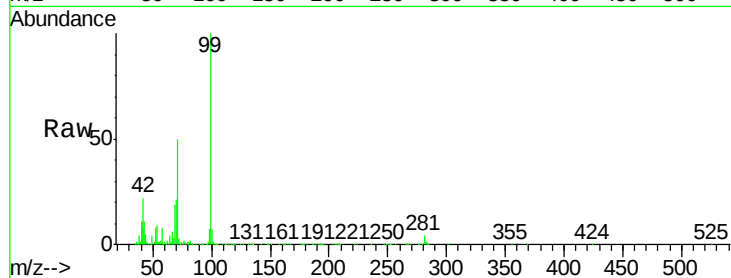
Tgt Ion: 99 Resp: 1285930

Ion Ratio Lower Upper

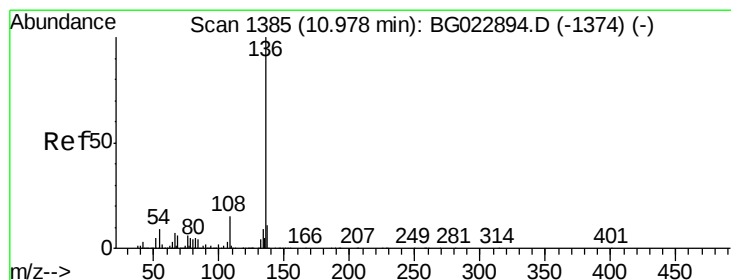
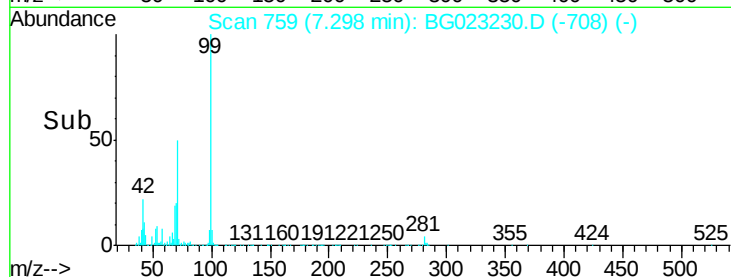
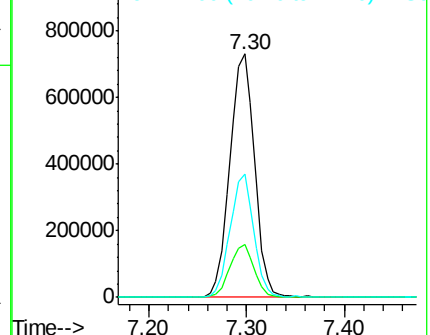
99 100

42 21.7 17.8 26.6

71 50.4 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# 1385

Delta R.T. 0.00 min

Lab File: BG023230.D

Acq: 23 Jul 2016 00:46

Tgt Ion: 136 Resp: 521957

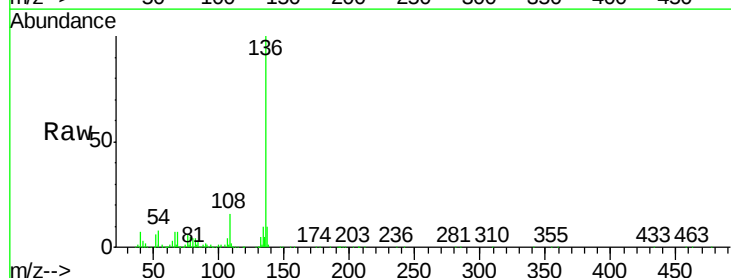
Ion Ratio Lower Upper

136 100

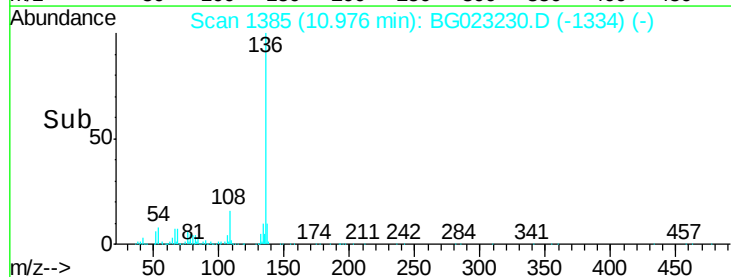
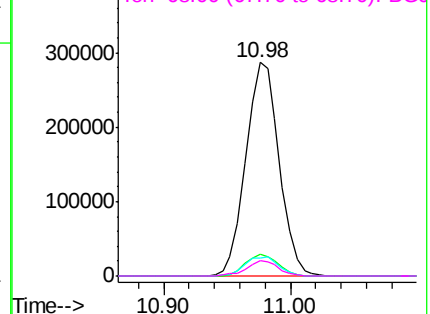
137 10.3 9.6 14.4

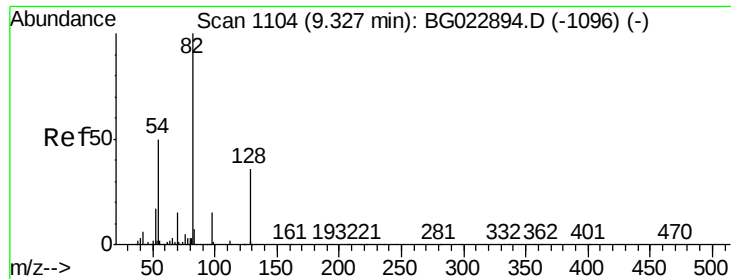
54 8.1 7.3 10.9

68 6.9 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

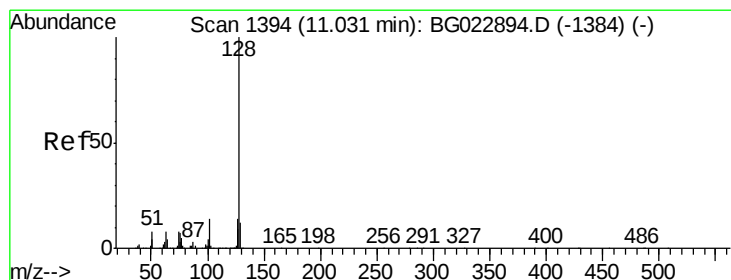
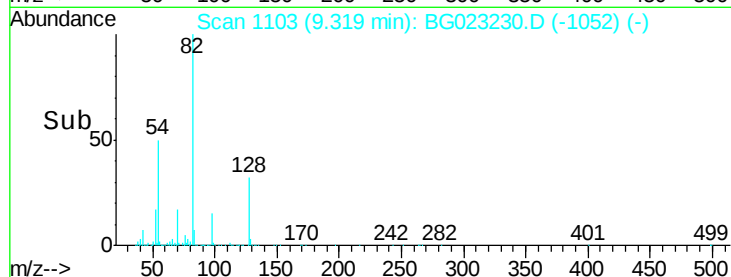
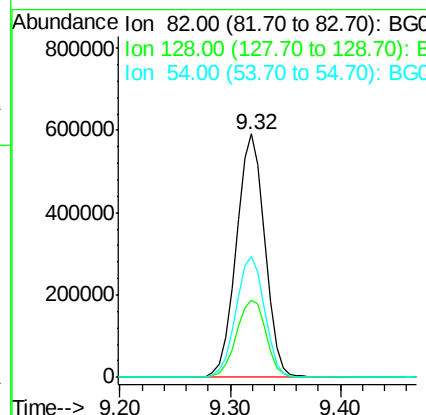
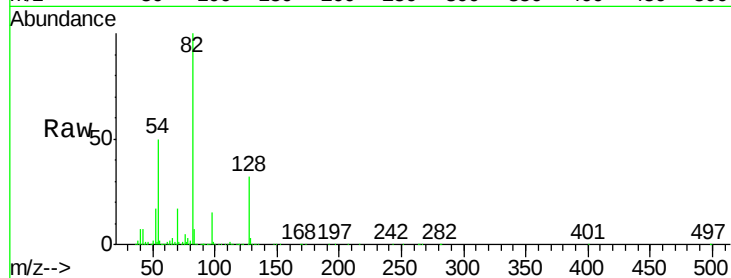




#23  
Nitrobenzene-d5  
Concen: 87.69 ng  
RT: 9.32 min Scan# 1103  
Delta R.T. 0.00 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

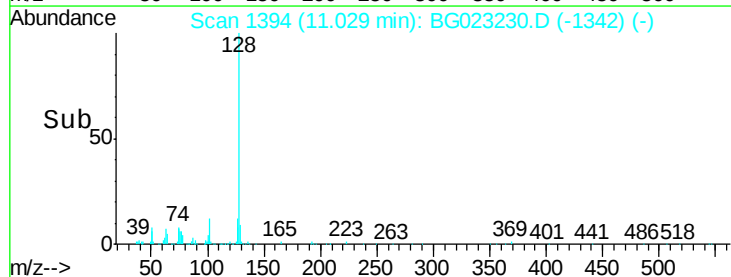
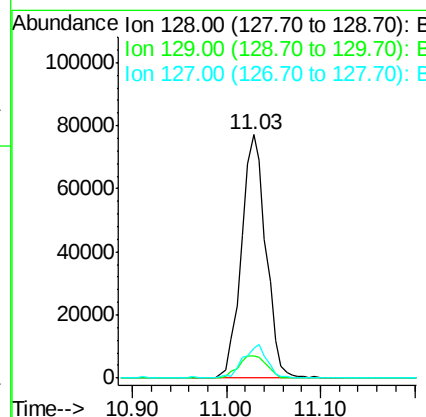
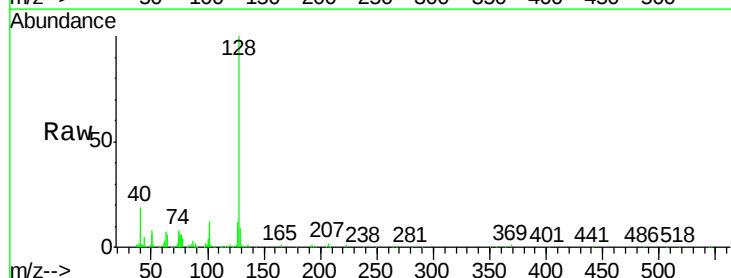
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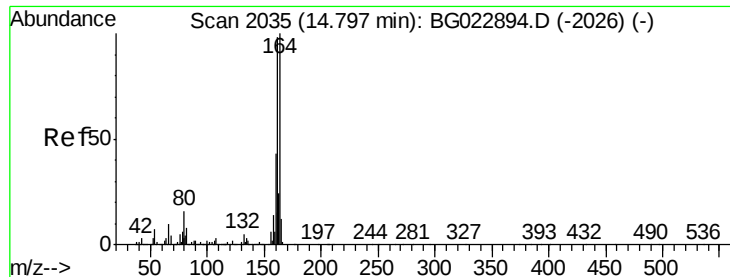
Tgt Ion: 82 Resp: 1068896  
Ion Ratio Lower Upper  
82 100  
128 31.9 24.4 36.6  
54 49.7 41.4 62.0



#31  
Naphthalene  
Concen: 5.23 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. 0.01 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

Tgt Ion: 128 Resp: 138886  
Ion Ratio Lower Upper  
128 100  
129 9.1 9.4 14.0#  
127 12.1 11.3 16.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BG023230.D

Acq: 23 Jul 2016 00:46

Instrument :

BNA\_G

ClientSampleId :

D-7

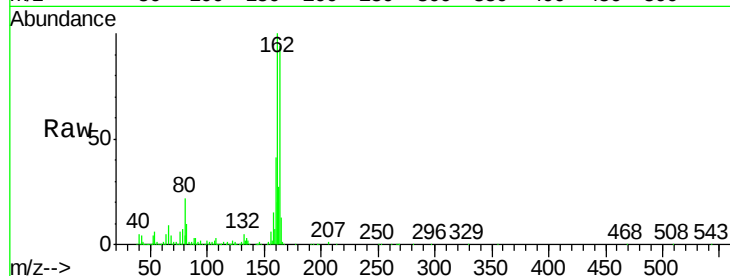
Tgt Ion:164 Resp: 351981

Ion Ratio Lower Upper

164 100

162 106.1 87.7 131.5

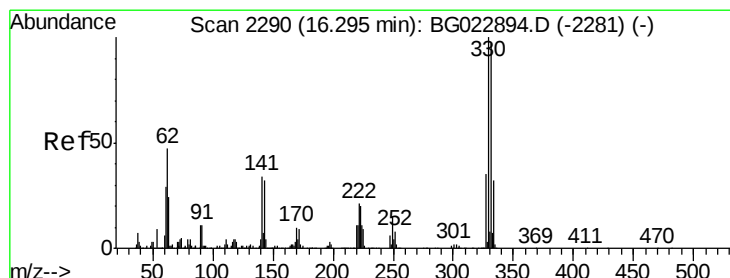
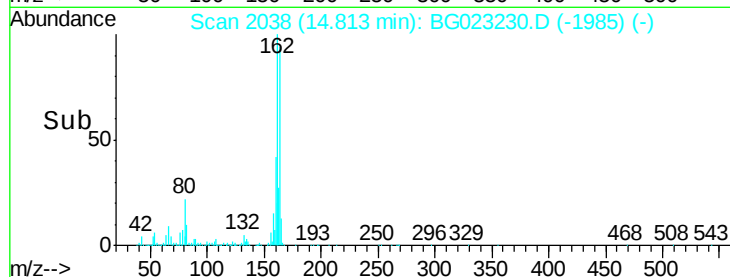
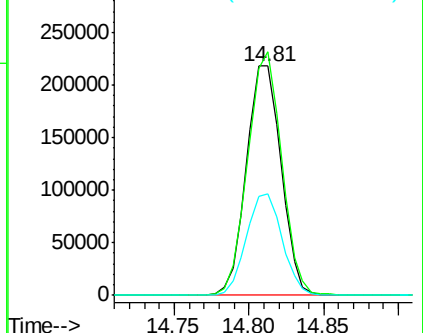
160 44.0 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 98.02 ng

RT: 16.31 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BG023230.D

Acq: 23 Jul 2016 00:46

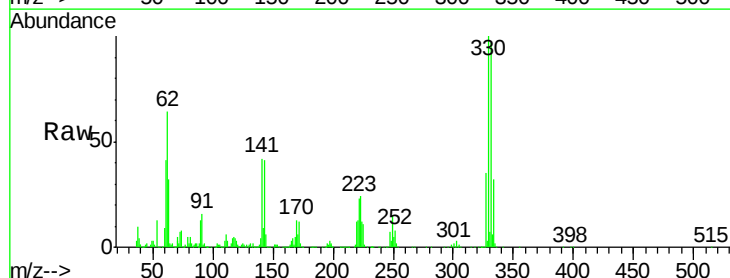
Tgt Ion:330 Resp: 620095

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

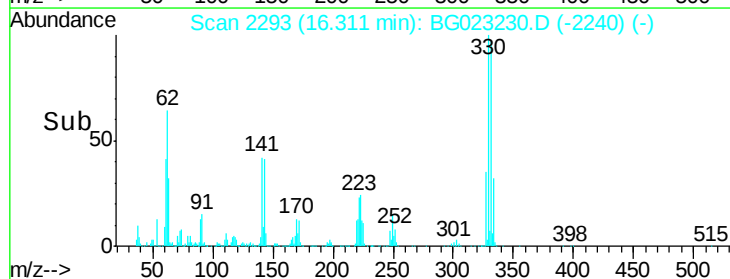
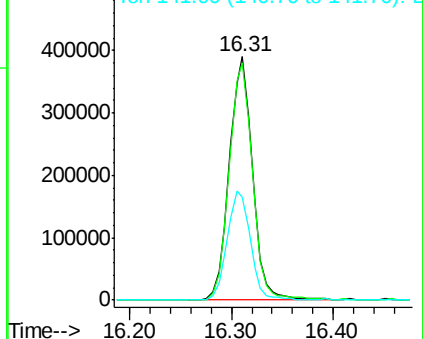
141 45.0 31.7 47.5

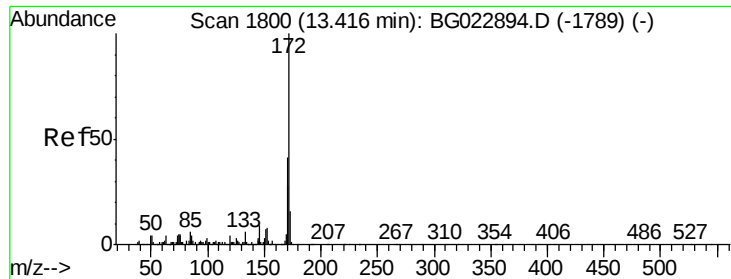


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

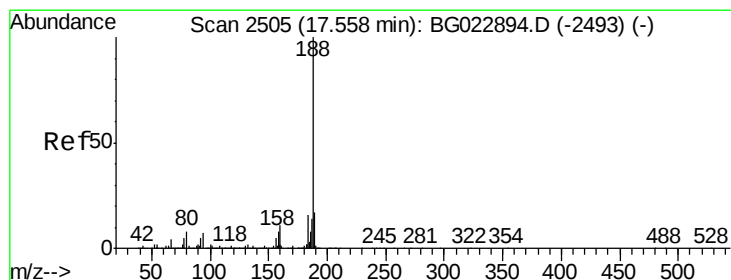
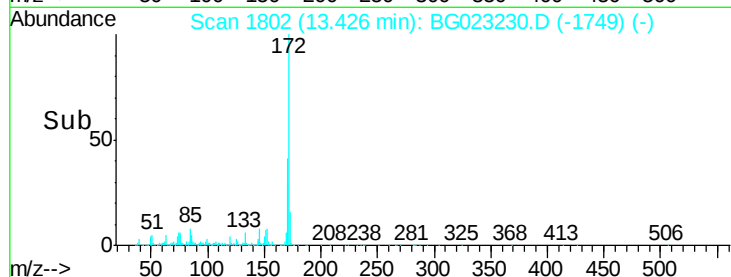
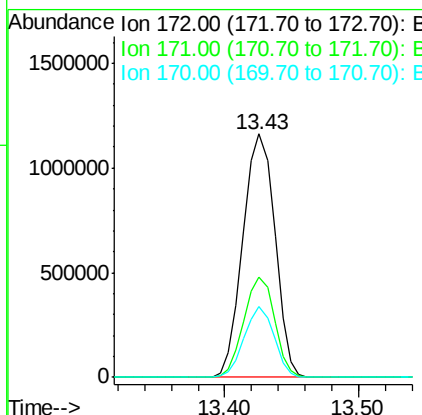
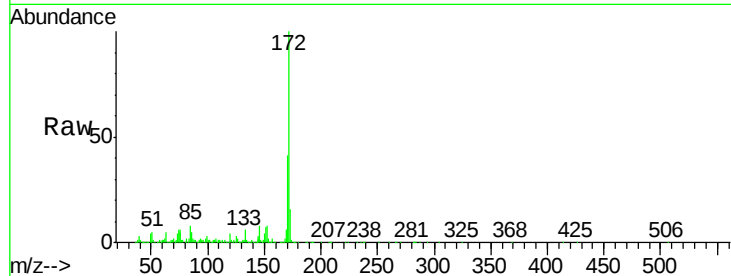




#44  
2-Fluorobiphenyl  
Concen: 86.52 ng  
RT: 13.43 min Scan# 1802  
Delta R.T. 0.01 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

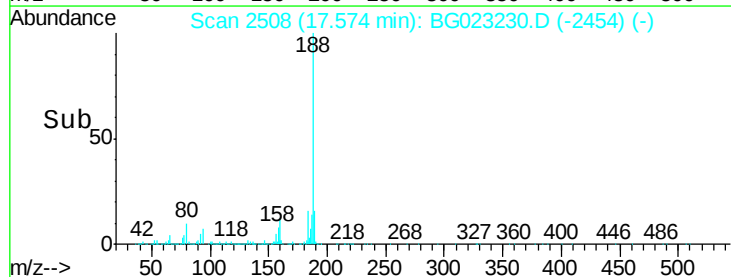
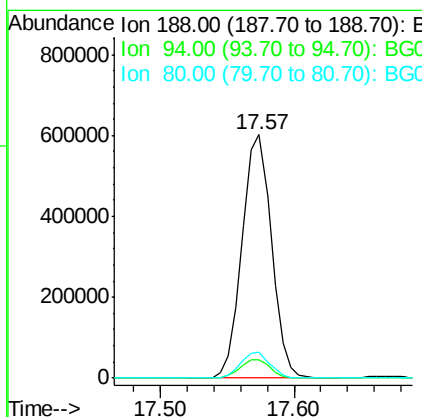
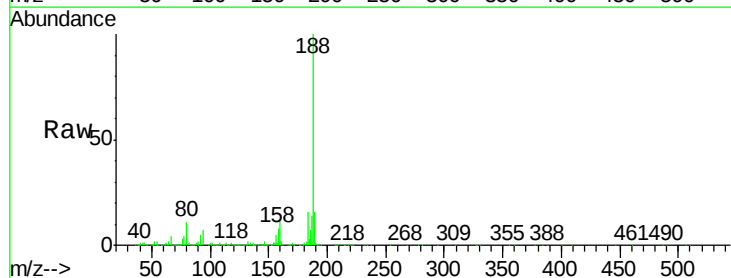
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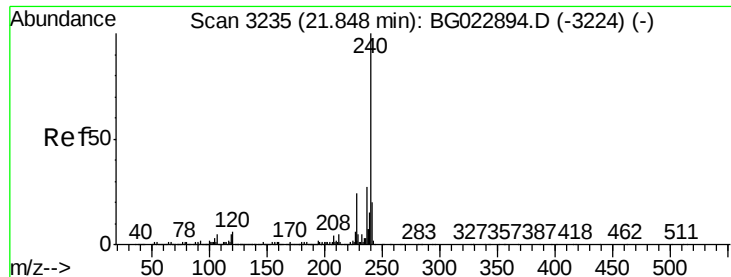
Tgt Ion:172 Resp: 1933379  
Ion Ratio Lower Upper  
172 100  
171 41.4 31.6 47.4  
170 29.0 21.3 31.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.57 min Scan# 2508  
Delta R.T. 0.02 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

Tgt Ion:188 Resp: 916407  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.2 7.8  
80 10.5 7.2 10.8

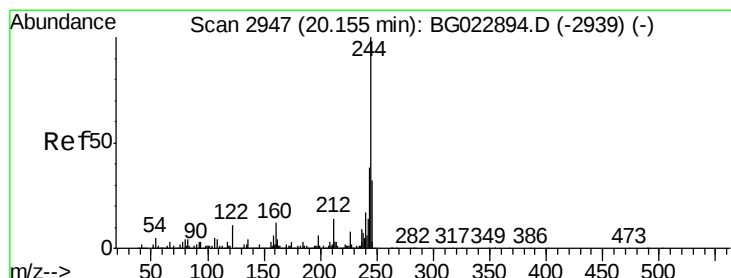
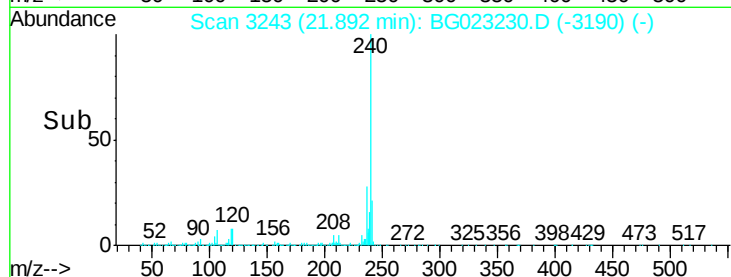
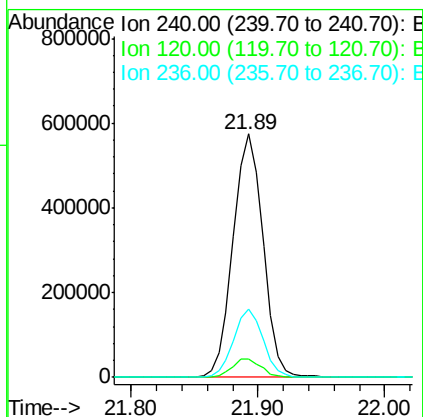
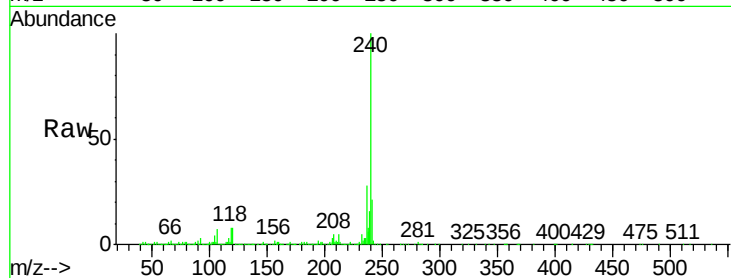




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.89 min Scan# 3243  
Delta R.T. 0.01 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

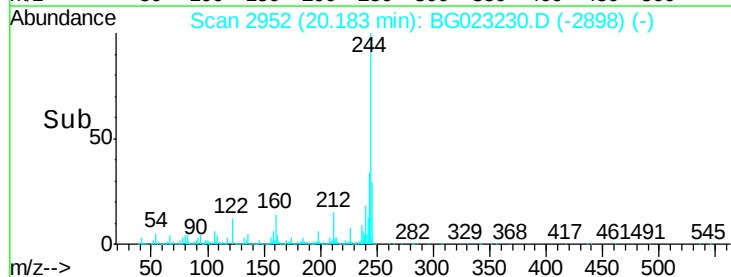
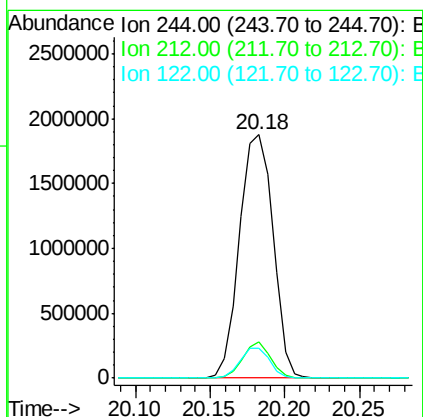
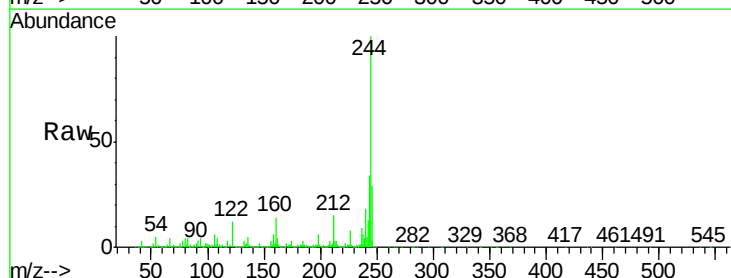
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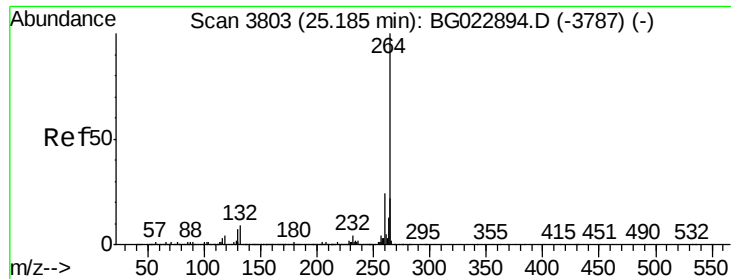
Tgt Ion:240 Resp: 936376  
Ion Ratio Lower Upper  
240 100  
120 7.7 4.1 6.1#  
236 27.9 21.1 31.7



#78  
Terphenyl-d14  
Concen: 112.03 ng  
RT: 20.18 min Scan# 2952  
Delta R.T. 0.02 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

Tgt Ion:244 Resp: 2928408  
Ion Ratio Lower Upper  
244 100  
212 14.9 10.8 16.2  
122 12.4 8.0 12.0#





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.29 min Scan# 3822  
Delta R.T. 0.02 min  
Lab File: BG023230.D  
Acq: 23 Jul 2016 00:46

Instrument :  
BNA\_G  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 18.4  | 27.6  |
| 265     | 21.0  | 18.9  | 28.3  |

