

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041516\  
 Data File : BG021712.D  
 Acq On : 16 Apr 2016 11:24  
 Operator : UM/SJ  
 Sample : H2559-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Time: Apr 18 01:14:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

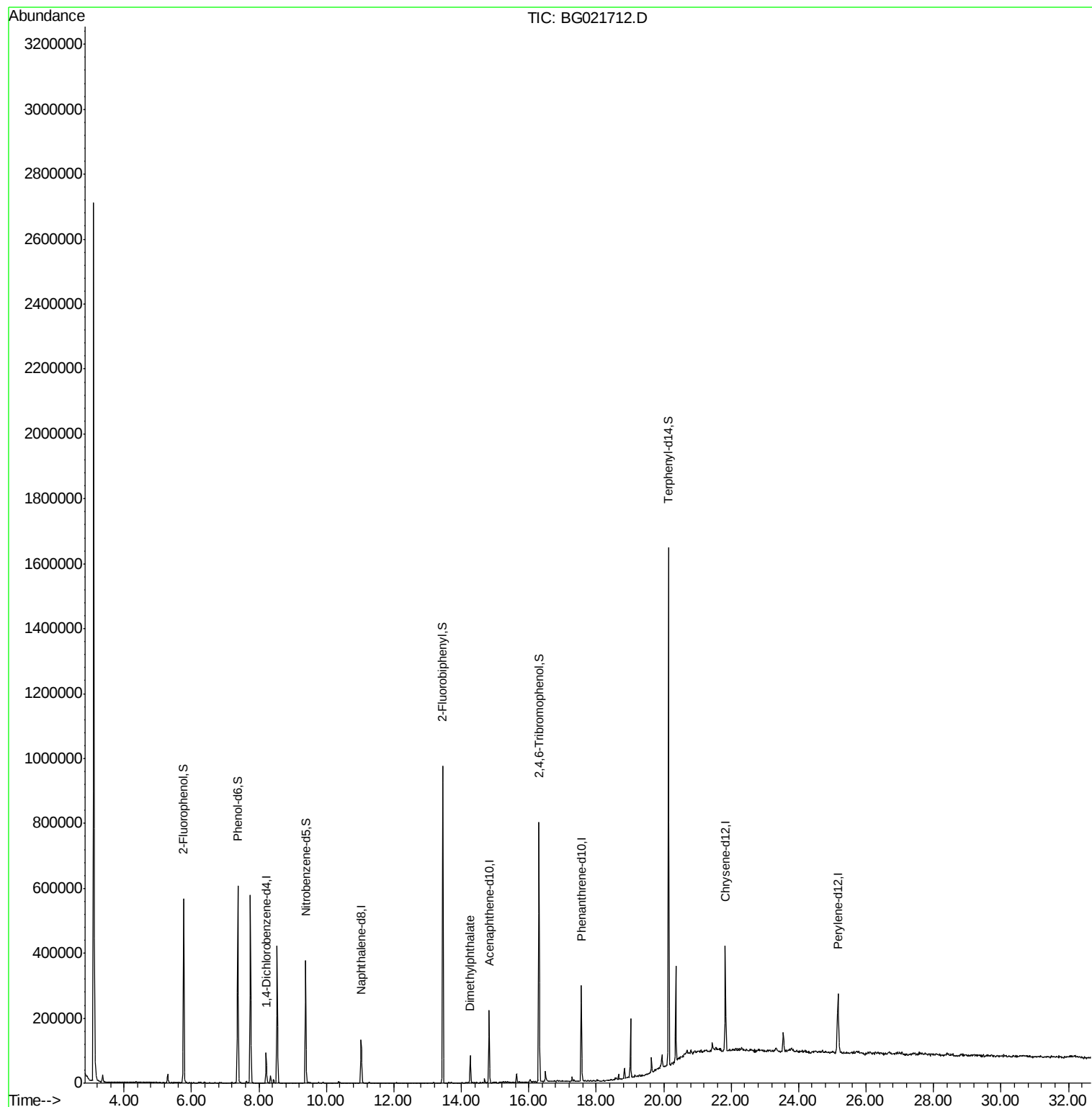
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.22  | 152  | 26000    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.04 | 136  | 117914   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.83 | 164  | 76438    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.56 | 188  | 178535   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.83 | 240  | 191160   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.17 | 264  | 192252   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.77  | 112  | 249159   | 159.58 | ng    | 0.01         |
| 7) Phenol-d6                | 7.38  | 99   | 360276   | 154.48 | ng    | 0.02         |
| 23) Nitrobenzene-d5         | 9.39  | 82   | 227041   | 98.97  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.31 | 330  | 149706   | 181.72 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 508589   | 97.49  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.14 | 244  | 678691   | 88.59  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.27 | 163  | 56680    | 8.58   | ng    | Qvalue<br>99 |

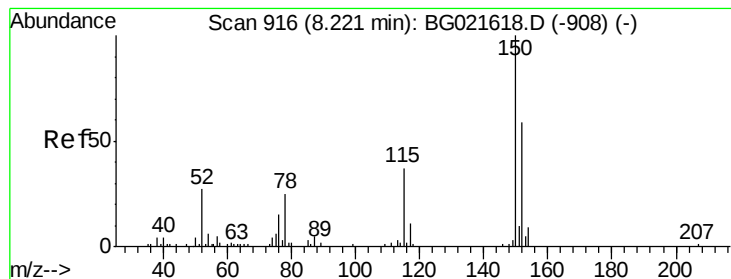
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 13 15:48:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021712.D

Acq: 16 Apr 2016 11:24

Instrument :

BNA\_G

ClientSampleId :

FB-BWR-BB-R09-CS-1(0-32FTBGS)

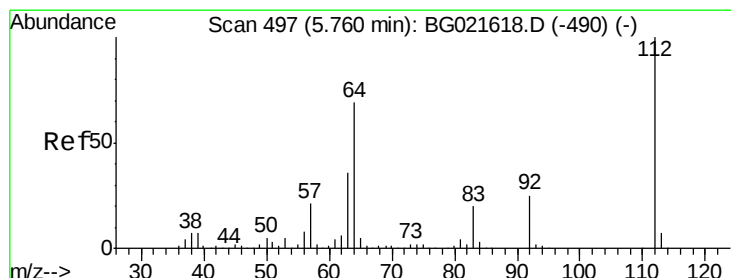
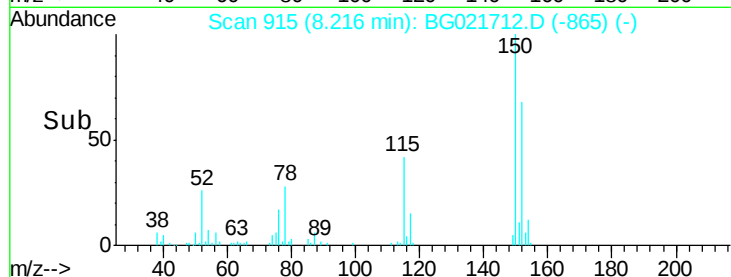
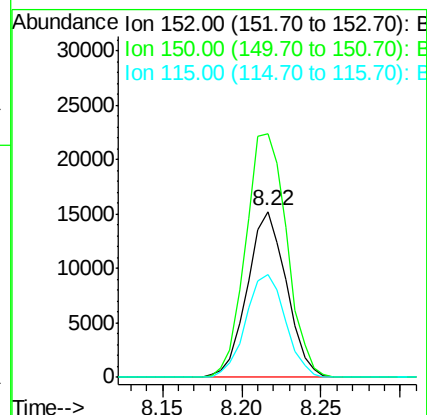
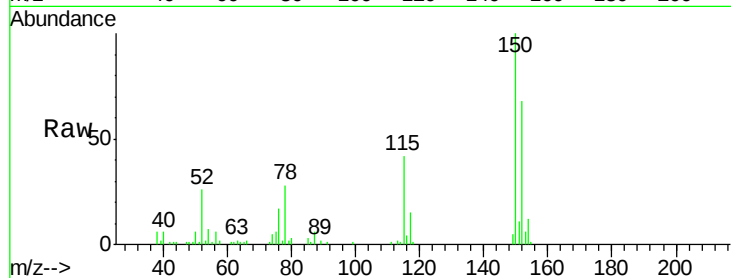
Tgt Ion:152 Resp: 26000

Ion Ratio Lower Upper

152 100

150 146.8 130.1 195.1

115 62.0 62.2 93.2#



#5

2-Fluorophenol

Concen: 159.58 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021712.D

Acq: 16 Apr 2016 11:24

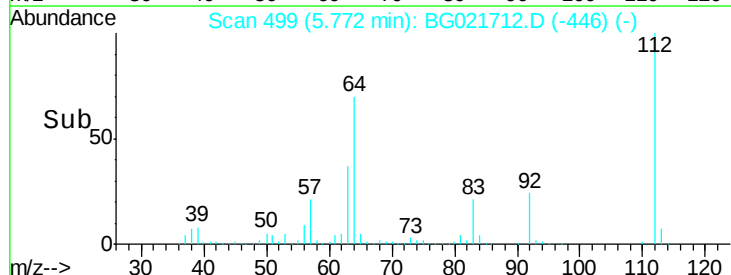
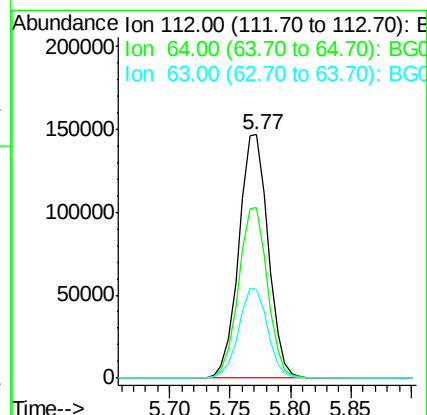
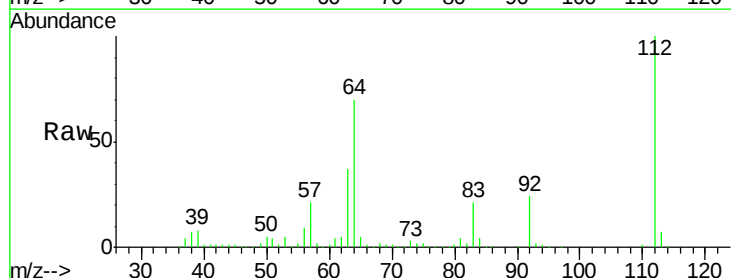
Tgt Ion:112 Resp: 249159

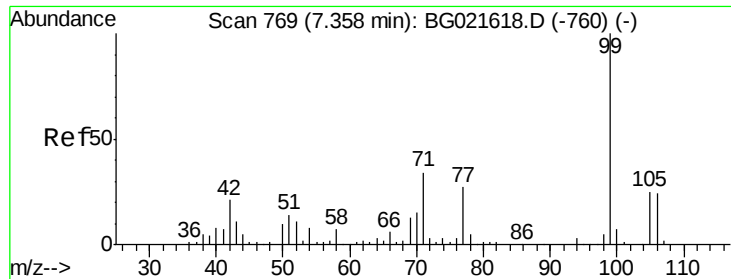
Ion Ratio Lower Upper

112 100

64 70.1 51.1 76.7

63 36.5 24.6 37.0





#7

Phenol-d6

Concen: 154.48 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021712.D

Acq: 16 Apr 2016 11:24

Instrument :

BNA\_G

ClientSampleId :

FB-BWR-BB-R09-CS-1(0-32FTBGS)

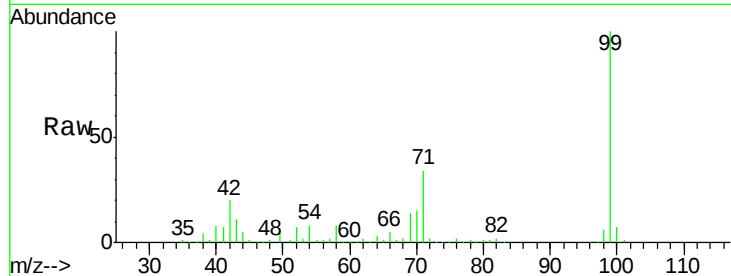
Tgt Ion: 99 Resp: 360276

Ion Ratio Lower Upper

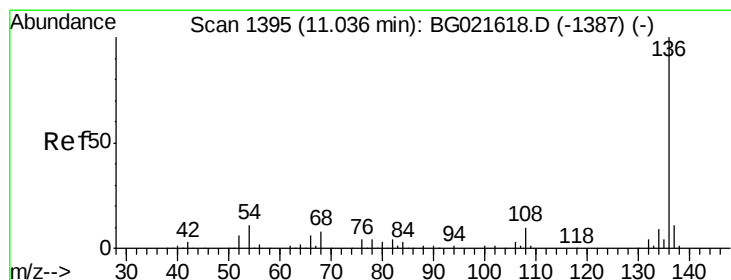
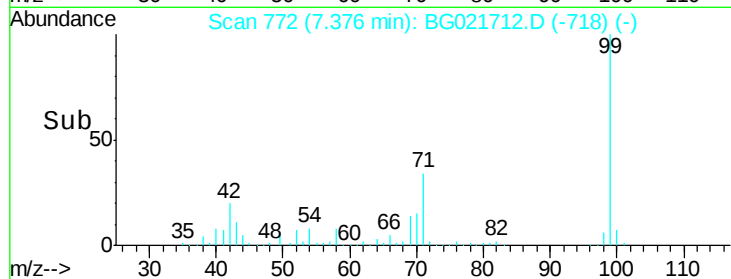
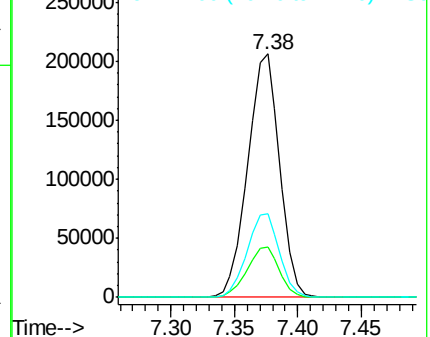
99 100

42 20.4 16.4 24.6

71 34.2 25.0 37.4



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: 11.04 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG021712.D

Acq: 16 Apr 2016 11:24

Tgt Ion: 136 Resp: 117914

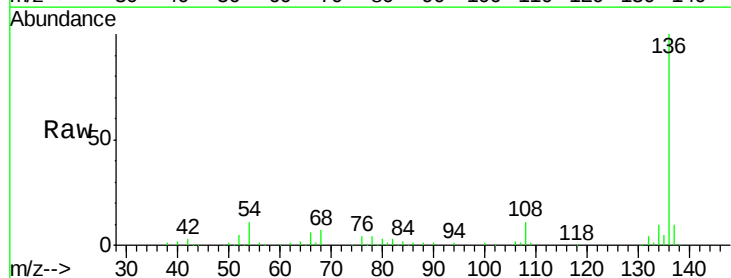
Ion Ratio Lower Upper

136 100

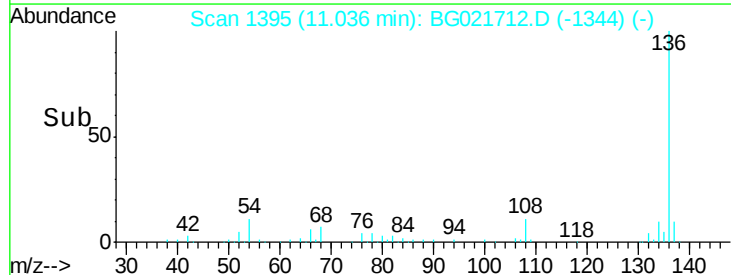
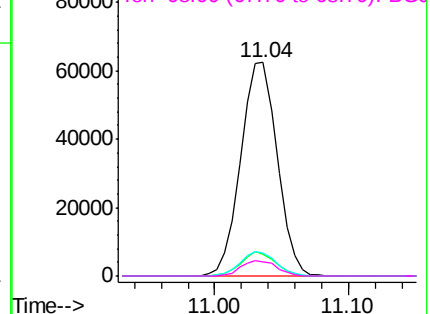
137 10.2 9.0 13.4

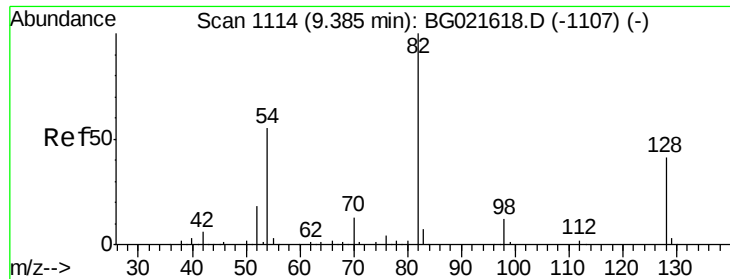
54 10.9 9.6 14.4

68 6.8 6.4 9.6



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

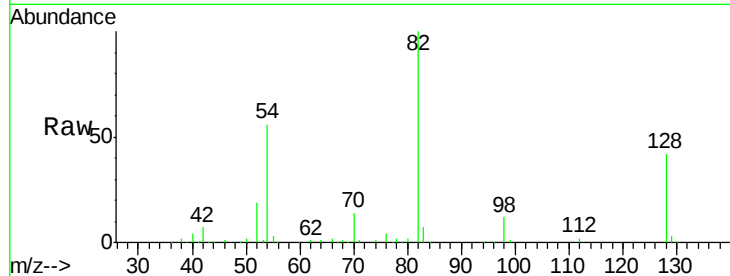




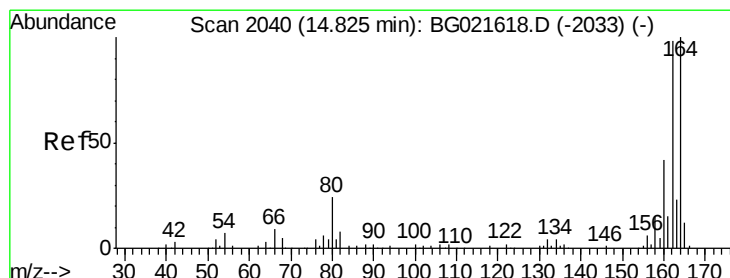
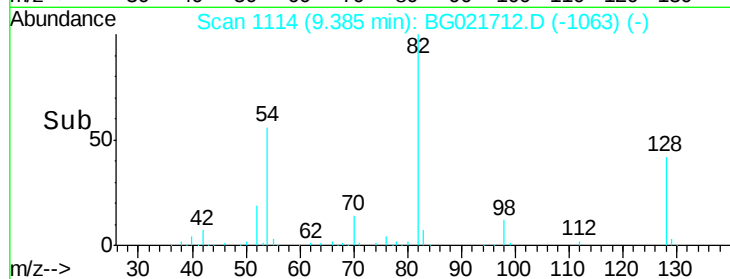
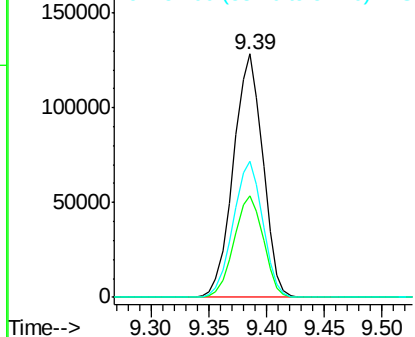
#23  
 Nitrobenzene-d5  
 Concen: 98.97 ng  
 RT: 9.39 min Scan# 1114  
 Delta R.T. 0.00 min  
 Lab File: BG021712.D  
 Acq: 16 Apr 2016 11:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-R09-CS-1(0-32FTBGS)

Tgt Ion: 82 Resp: 227041  
 Ion Ratio Lower Upper  
 82 100  
 128 41.8 33.4 50.0  
 54 55.8 46.1 69.1

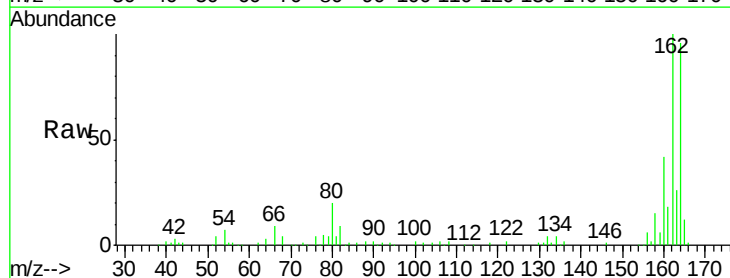


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

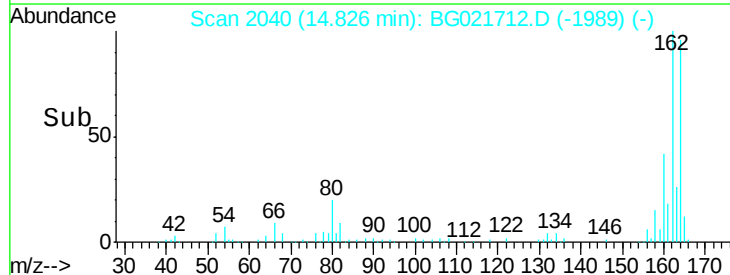
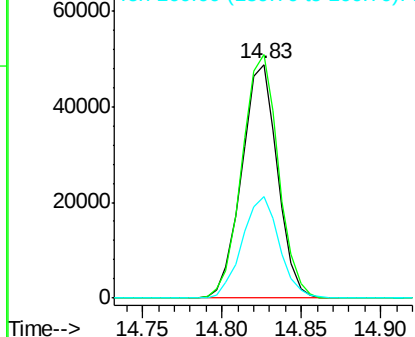


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.83 min Scan# 2040  
 Delta R.T. 0.00 min  
 Lab File: BG021712.D  
 Acq: 16 Apr 2016 11:24

Tgt Ion: 164 Resp: 76438  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 78.0 117.0  
 160 43.6 32.9 49.3



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

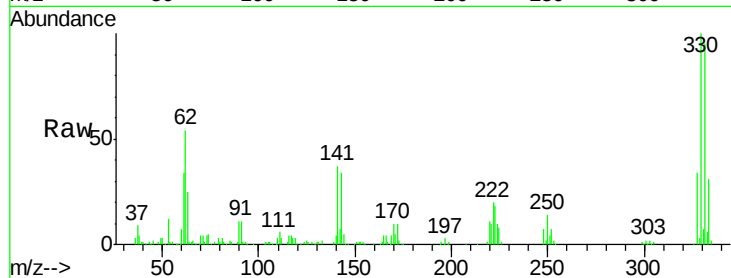




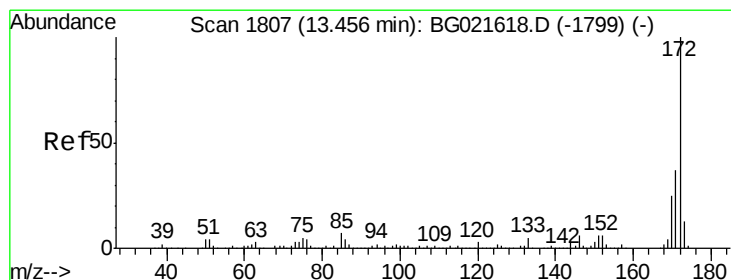
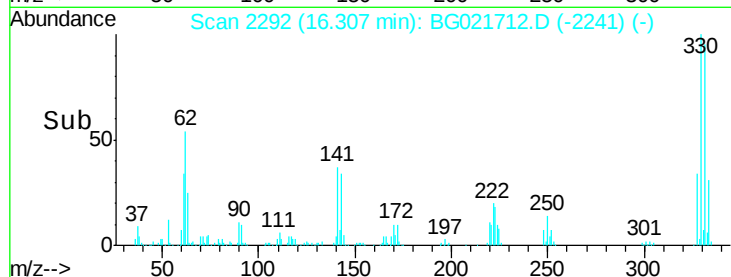
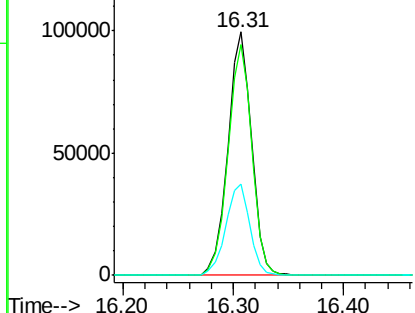
#41  
 2,4,6-Tribromophenol  
 Concen: 181.72 ng  
 RT: 16.31 min Scan# 2292  
 Delta R.T. 0.00 min  
 Lab File: BG021712.D  
 Acq: 16 Apr 2016 11:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-R09-CS-1(0-32FTBGS)

Tgt Ion:330 Resp: 149706  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.0 117.0  
 141 38.1 33.8 50.8

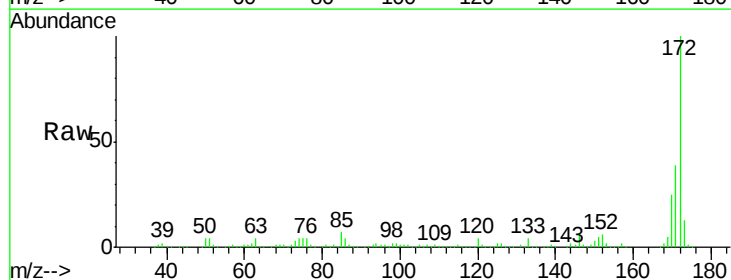


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

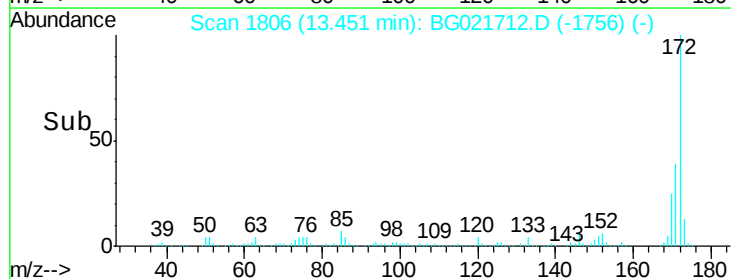
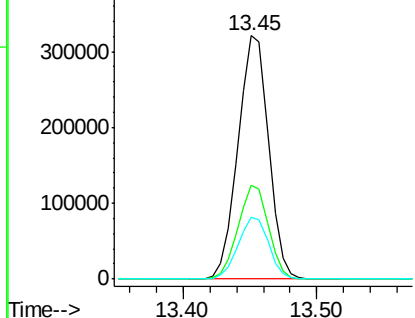


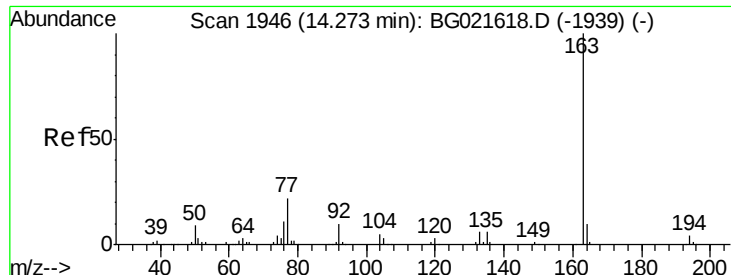
#44  
 2-Fluorobiphenyl  
 Concen: 97.49 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.01 min  
 Lab File: BG021712.D  
 Acq: 16 Apr 2016 11:24

Tgt Ion:172 Resp: 508589  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 27.8 41.6  
 170 25.2 19.6 29.4



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

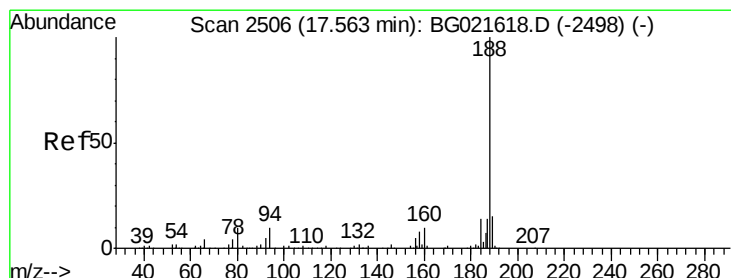
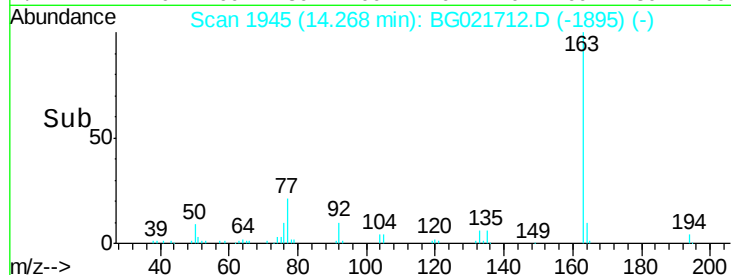
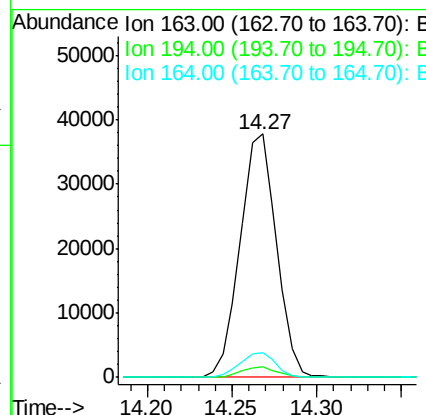
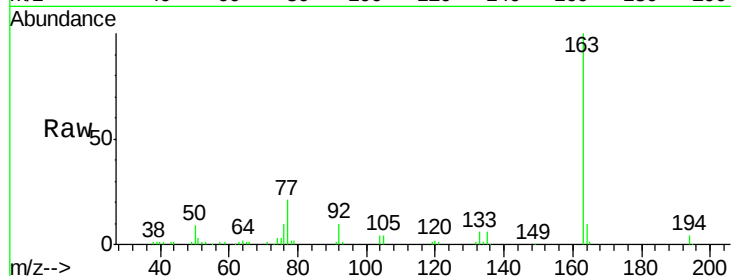




#49  
Dimethylphthalate  
Concen: 8.58 ng  
RT: 14.27 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BG021712.D  
Acq: 16 Apr 2016 11:24

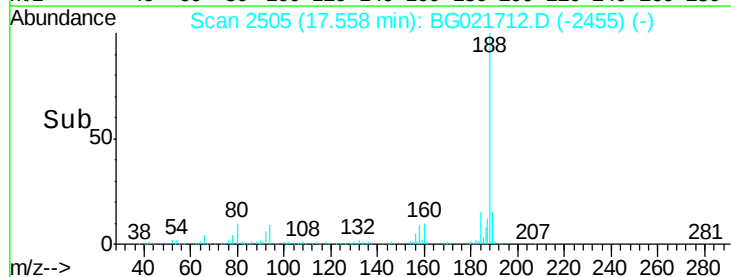
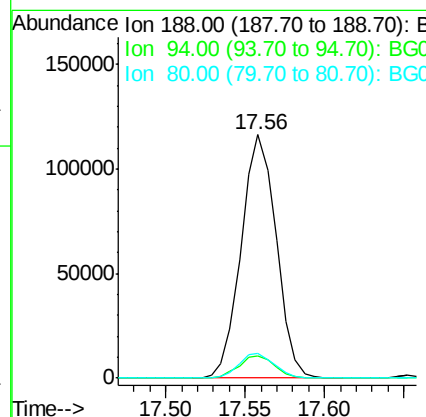
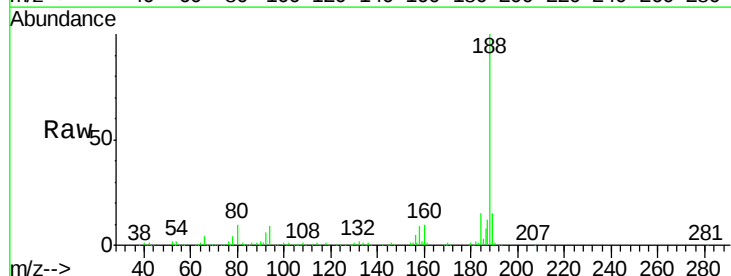
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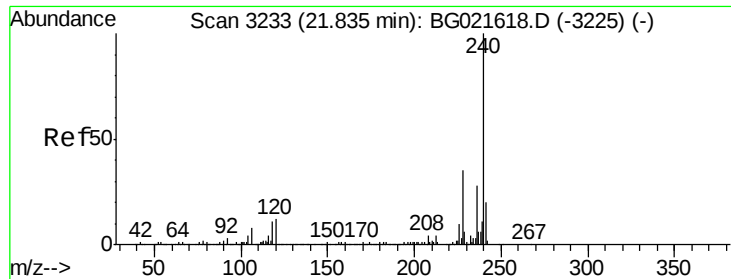
Tgt Ion:163 Resp: 56680  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.6  
164 9.9 8.1 12.1



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. -0.01 min  
Lab File: BG021712.D  
Acq: 16 Apr 2016 11:24

Tgt Ion:188 Resp: 178535  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.5 11.3  
80 10.2 8.6 13.0

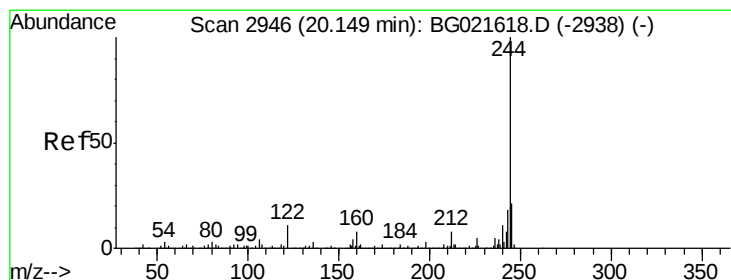
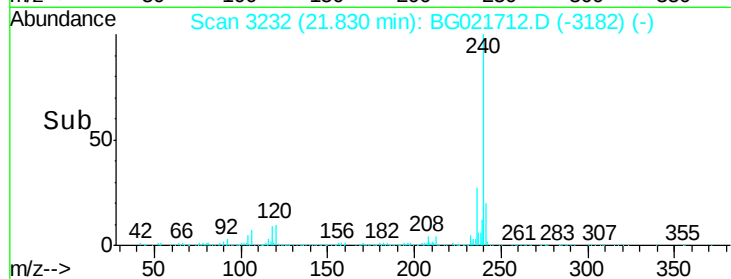
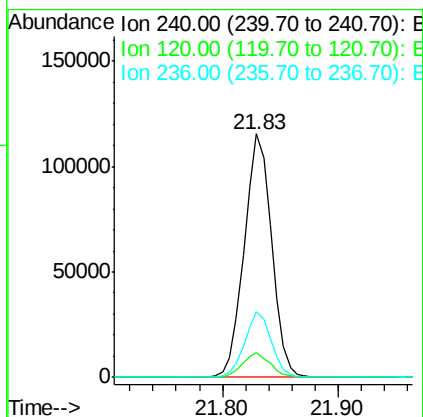
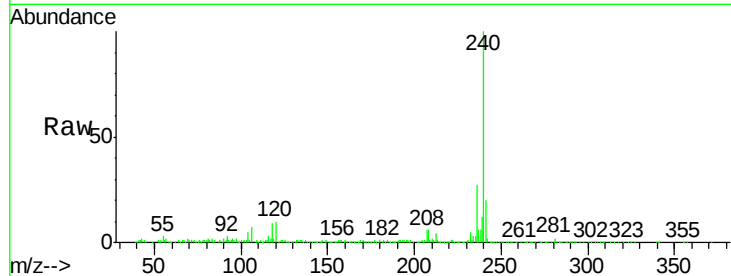




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3232  
Delta R.T. -0.01 min  
Lab File: BG021712.D  
Acq: 16 Apr 2016 11:24

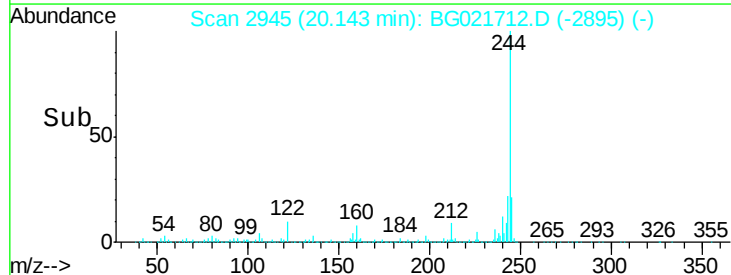
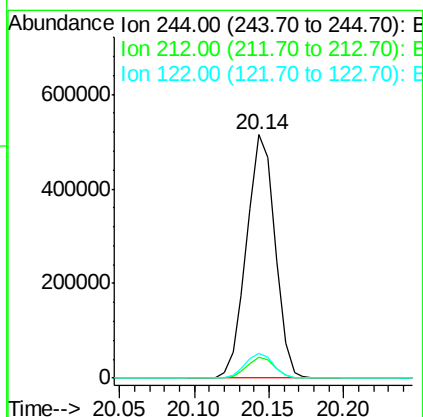
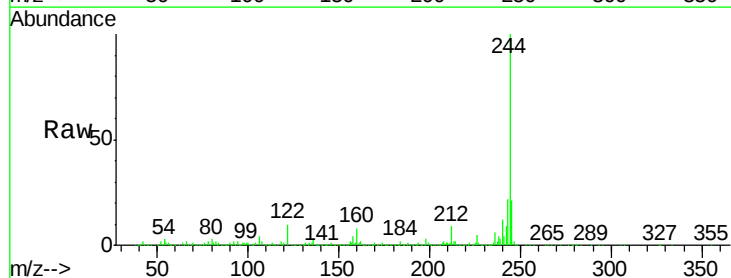
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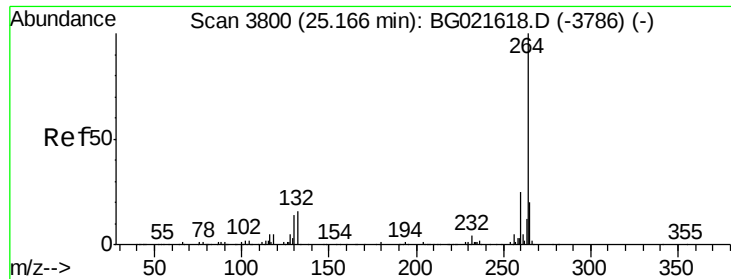
Tgt Ion:240 Resp: 191160  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.4 12.6  
236 27.2 19.6 29.4



#78  
Terphenyl-d14  
Concen: 88.59 ng  
RT: 20.14 min Scan# 2945  
Delta R.T. -0.01 min  
Lab File: BG021712.D  
Acq: 16 Apr 2016 11:24

Tgt Ion:244 Resp: 678691  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.5 9.7  
122 10.3 8.6 12.8

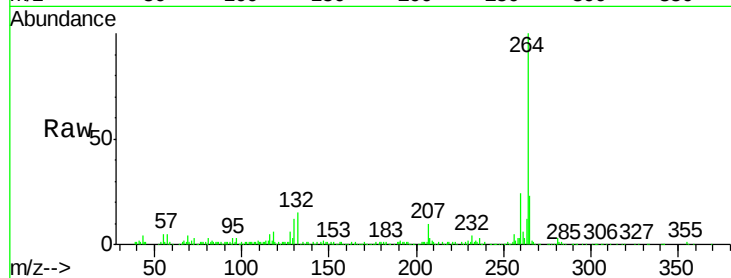




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.17 min Scan# 3800  
Delta R.T. 0.00 min  
Lab File: BG021712.D  
Acq: 16 Apr 2016 11:24

Instrument :  
BNA\_G  
ClientSampleId :  
FB-BWR-BB-R09-CS-1(0-32FTBGS)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 192252 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.7  | 20.2  | 30.4   |
| 265      | 22.5  | 17.8  | 26.8   |



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

