

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050715\  
 Data File : BG016923.D  
 Acq On : 7 May 2015 14:51  
 Operator : TP/IZ  
 Sample : G2057-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MWJ-1

Quant Time: May 08 02:26:45 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 08 02:05:00 2015  
 Response via : Initial Calibration

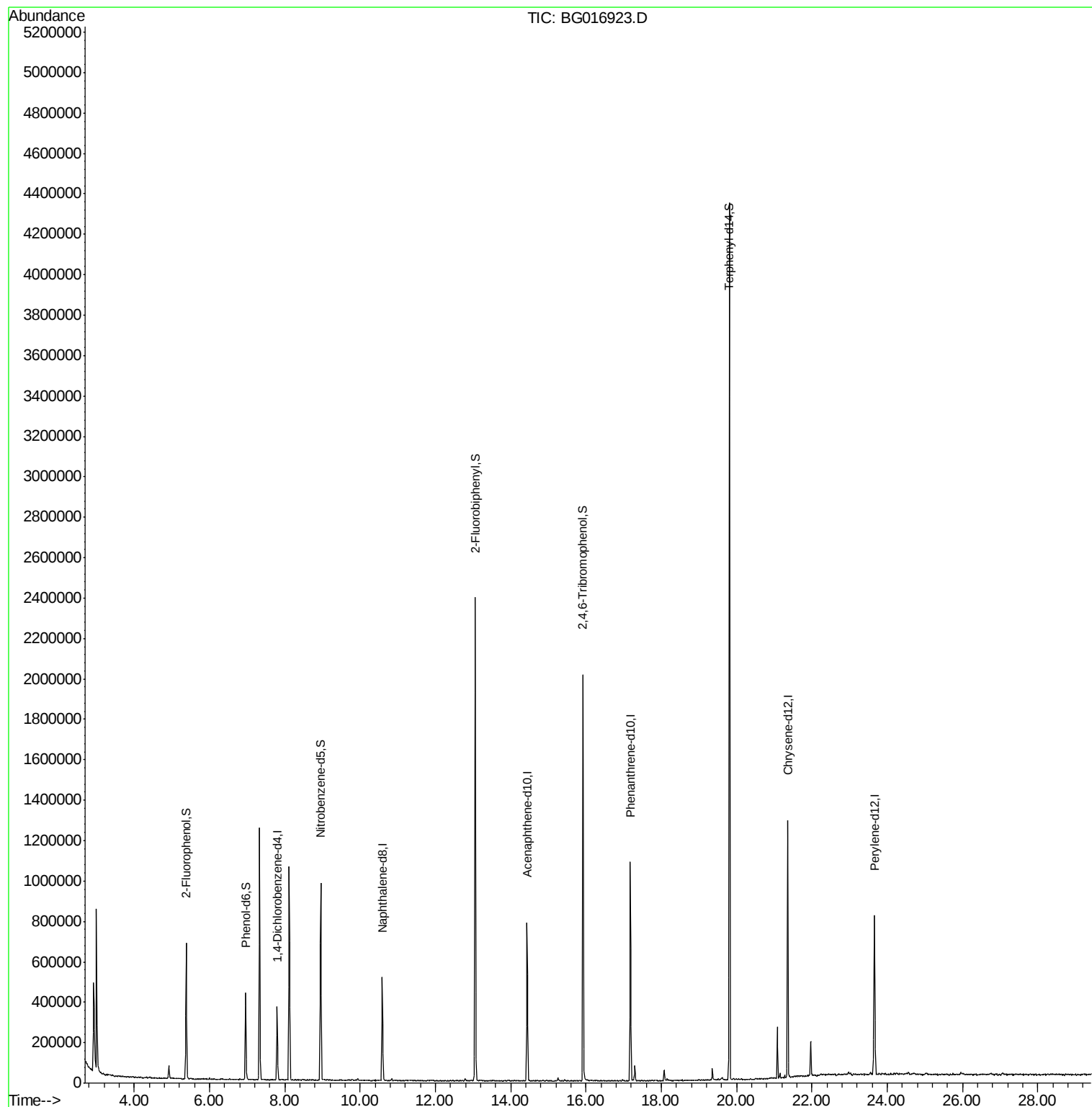
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.80  | 152  | 81853    | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.59 | 136  | 373979   | 20.00     | ng       | 0.00     |
| 38) Acenaphthene-d10        | 14.43 | 164  | 247339   | 20.00     | ng       | 0.00     |
| 63) Phenanthrene-d10        | 17.18 | 188  | 557511   | 20.00     | ng       | 0.00     |
| 75) Chrysene-d12            | 21.36 | 240  | 558283   | 20.00     | ng       | 0.00     |
| 86) Perylene-d12            | 23.66 | 264  | 537789   | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 236029   | 50.21     | ng       | 0.00     |
| 7) Phenol-d6                | 6.96  | 99   | 199914   | 29.77     | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.96  | 82   | 521624   | 68.14     | ng       | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.93 | 330  | 278943   | 112.34    | ng       | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.06 | 172  | 1044519  | 63.73     | ng       | 0.00     |
| 78) Terphenyl-d14           | 19.81 | 244  | 1602088  | 67.27     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 32) Benzoic acid            | 10.01 | 122  | 53       | Below Cal | Qvalue # | 1        |

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

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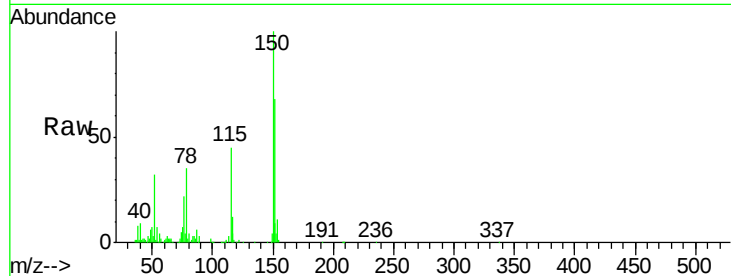


#1

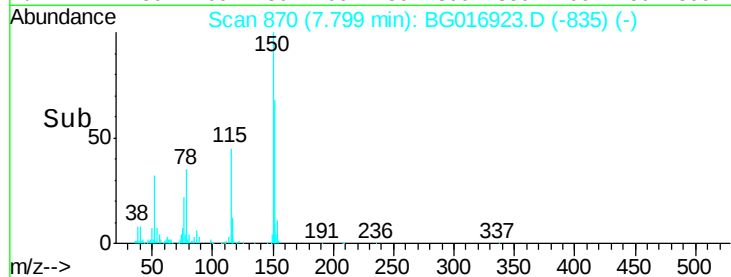
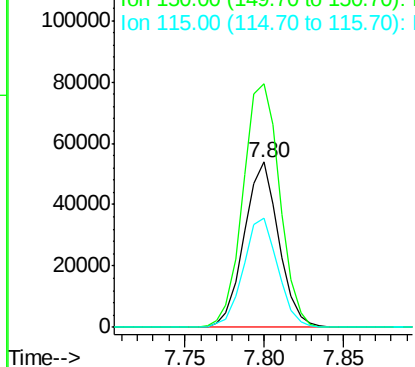
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.80 min Scan# 870  
Delta R.T. 0.01 min  
Lab File: BG016923.D  
Acq: 7 May 2015 14:51

Instrument :  
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MWJ-1

Tgt Ion:152 Resp: 81853  
Ion Ratio Lower Upper  
152 100  
150 147.6 121.0 181.4  
115 66.6 50.5 75.7



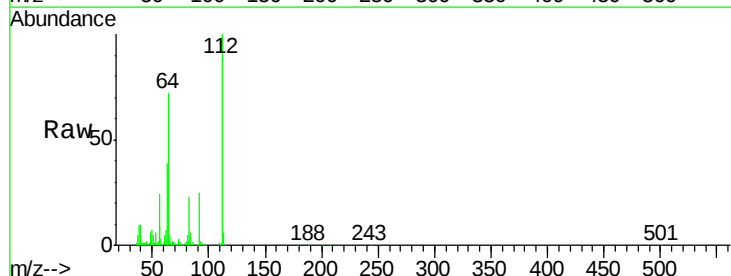
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



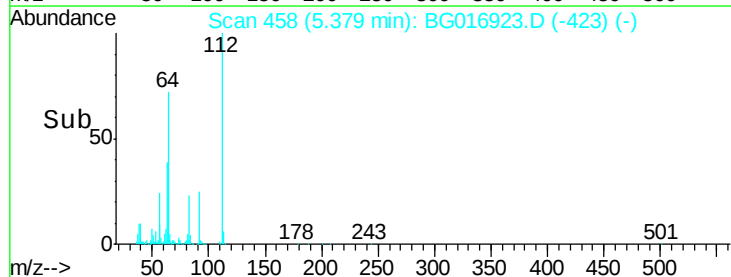
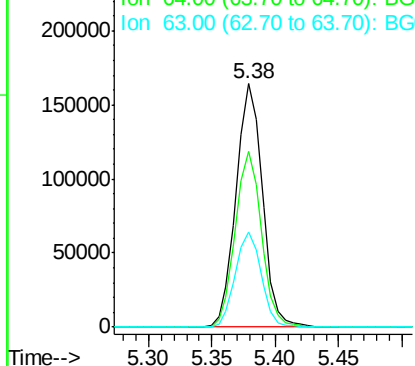
#5

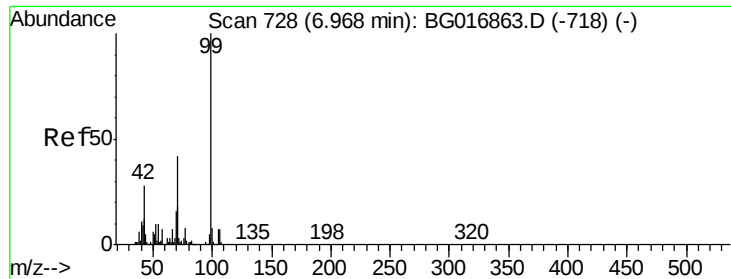
2-Fluorophenol  
Concen: 50.21 ng  
RT: 5.38 min Scan# 458  
Delta R.T. 0.01 min  
Lab File: BG016923.D  
Acq: 7 May 2015 14:51

Tgt Ion:112 Resp: 236029  
Ion Ratio Lower Upper  
112 100  
64 72.0 51.4 77.2  
63 39.3 28.1 42.1



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: 29.77 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.00 min

Lab File: BG016923.D

Acq: 7 May 2015 14:51

Instrument :

BNA\_G

ClientSampleId :

MWJ-1

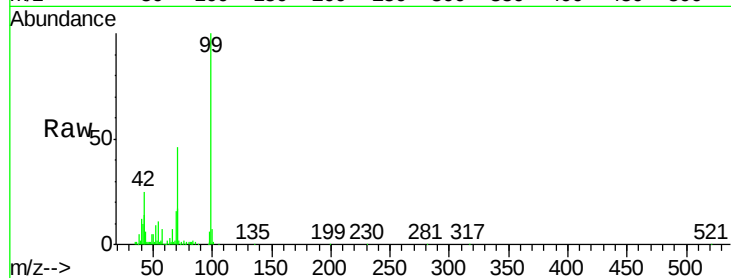
Tgt Ion: 99 Resp: 199914

Ion Ratio Lower Upper

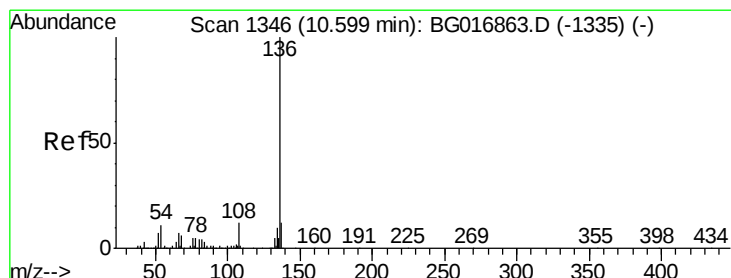
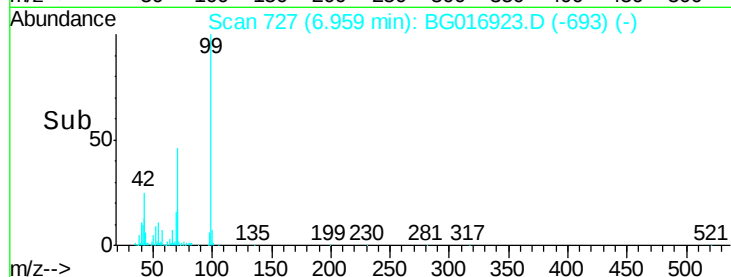
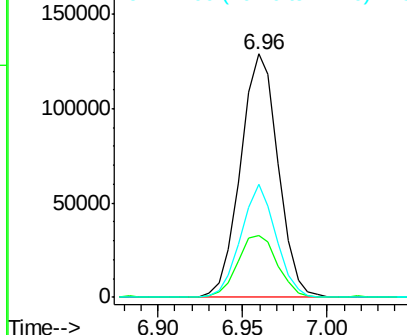
99 100

42 25.3 22.1 33.1

71 46.4 33.4 50.0



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: 10.59 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BG016923.D

Acq: 7 May 2015 14:51

Tgt Ion: 136 Resp: 373979

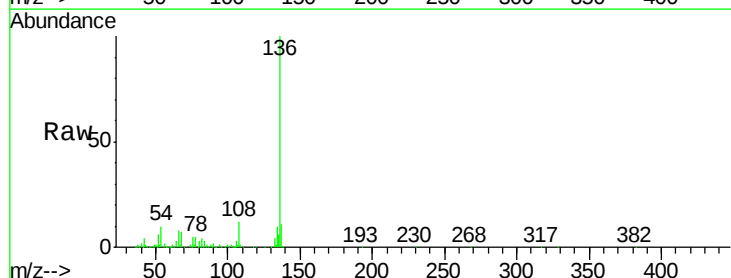
Ion Ratio Lower Upper

136 100

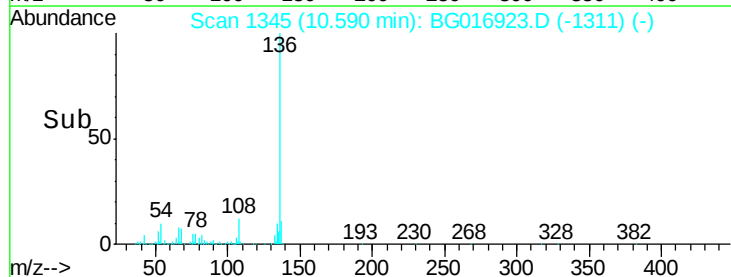
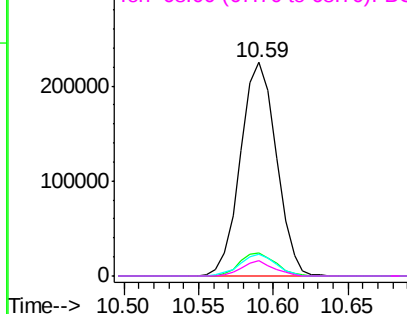
137 11.1 9.8 14.8

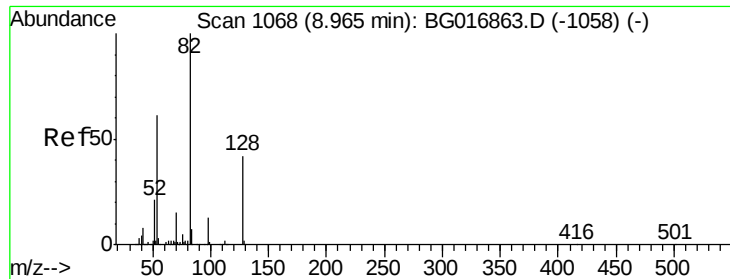
54 10.5 8.7 13.1

68 6.9 5.0 7.4



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

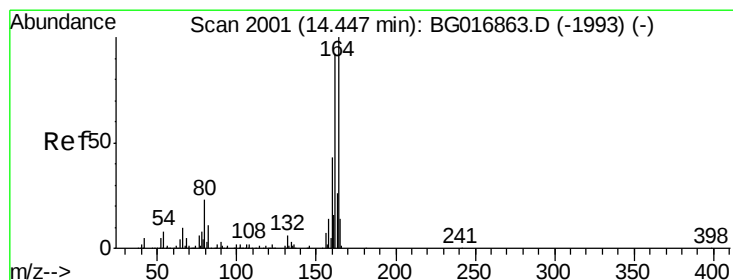
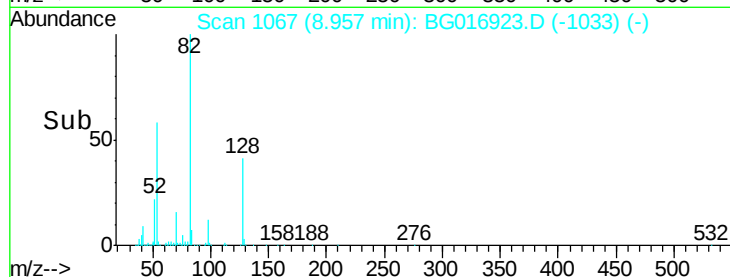
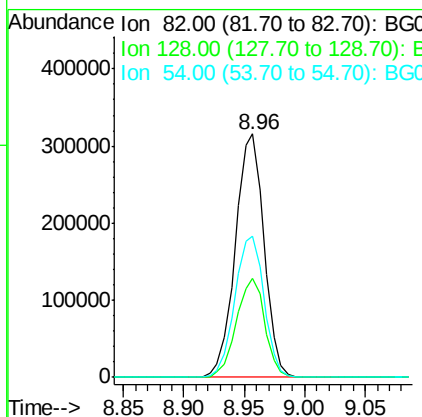
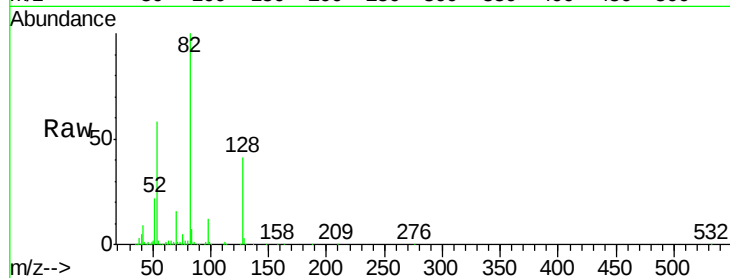




#23  
 Nitrobenzene-d5  
 Concen: 68.14 ng  
 RT: 8.96 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: BG016923.D  
 Acq: 7 May 2015 14:51

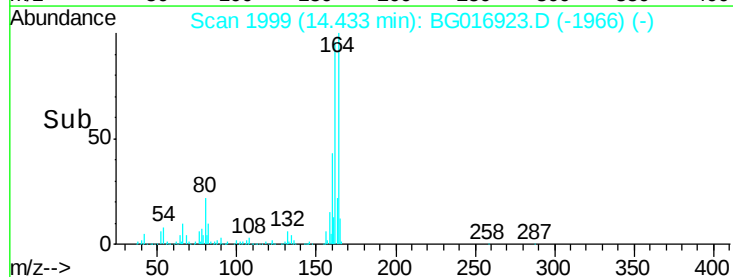
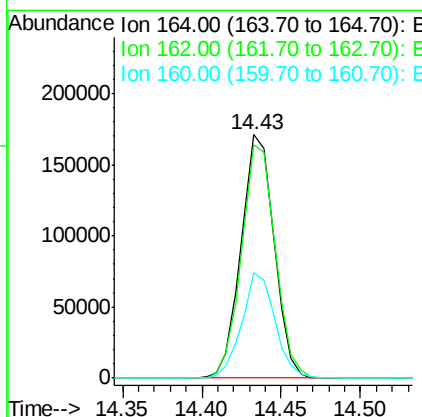
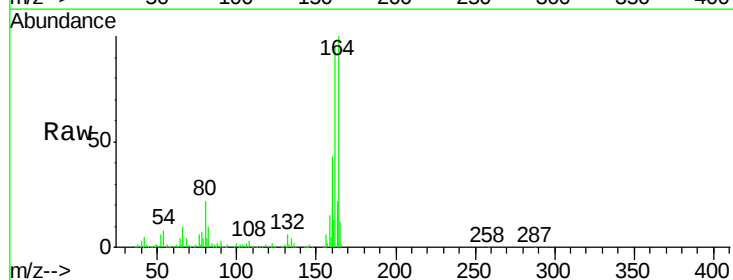
Instrument :  
 BNA\_G  
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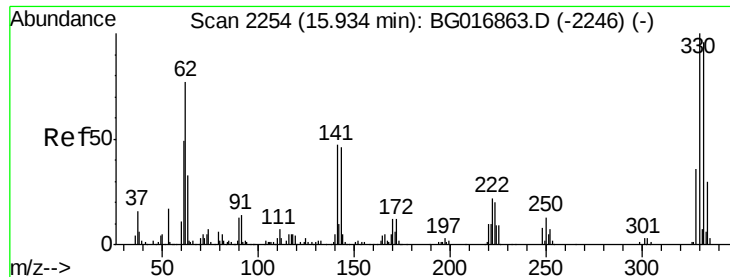
Tgt Ion: 82 Resp: 521624  
 Ion Ratio Lower Upper  
 82 100  
 128 40.8 33.2 49.8  
 54 57.9 48.6 72.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1999  
 Delta R.T. -0.01 min  
 Lab File: BG016923.D  
 Acq: 7 May 2015 14:51

Tgt Ion: 164 Resp: 247339  
 Ion Ratio Lower Upper  
 164 100  
 162 96.0 74.0 111.0  
 160 43.3 34.7 52.1

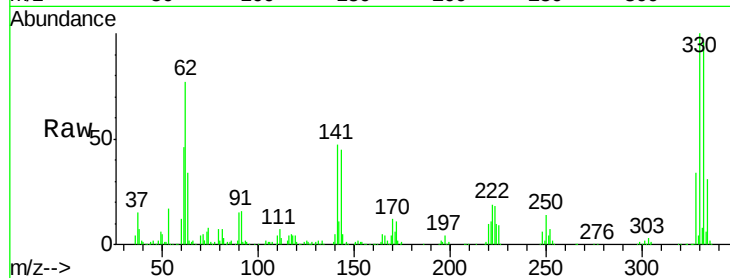




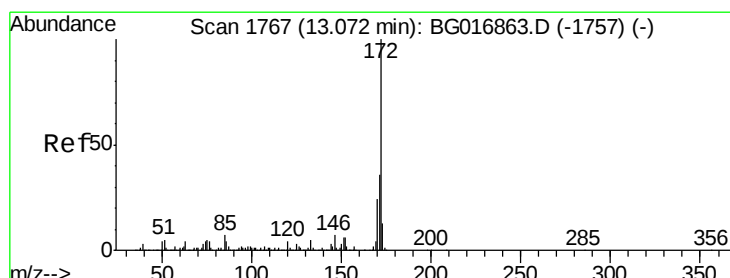
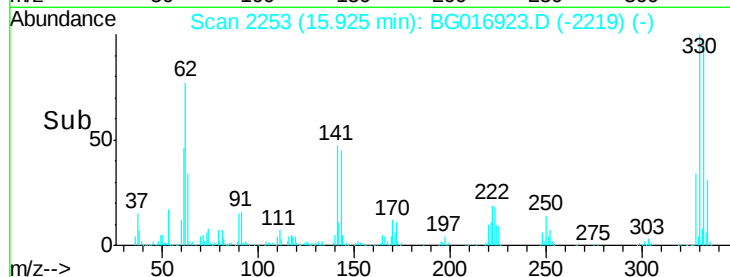
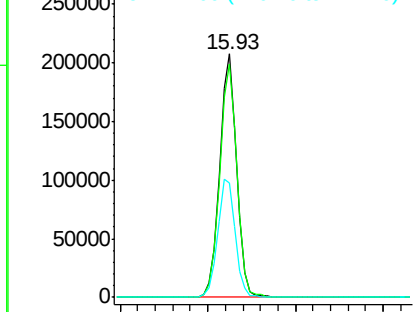
#41  
 2,4,6-Tribromophenol  
 Concen: 112.34 ng  
 RT: 15.93 min Scan# 2253  
 Delta R.T. -0.00 min  
 Lab File: BG016923.D  
 Acq: 7 May 2015 14:51

Instrument :  
 BNA\_G  
 ClientSampled :  
 MWJ-1

Tgt Ion:330 Resp: 278943  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 0.0 0.0#  
 141 50.6 0.0 0.0#

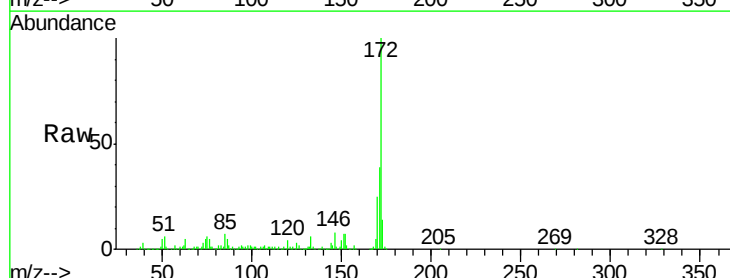


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

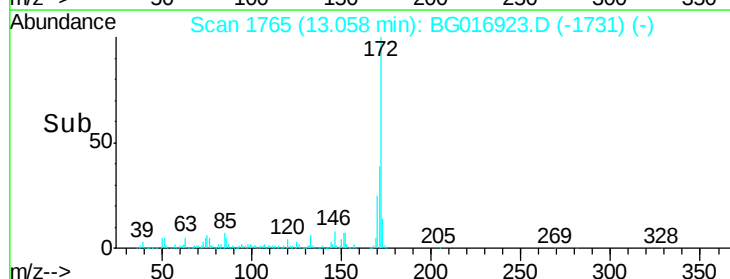
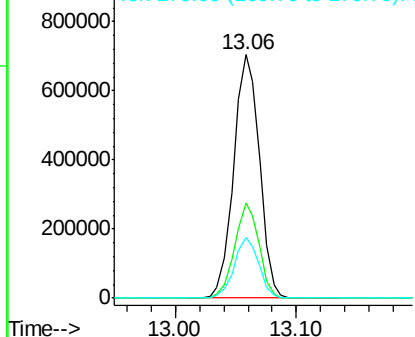


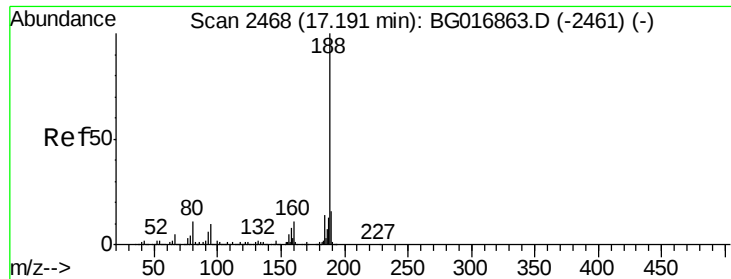
#44  
 2-Fluorobiphenyl  
 Concen: 63.73 ng  
 RT: 13.06 min Scan# 1765  
 Delta R.T. -0.00 min  
 Lab File: BG016923.D  
 Acq: 7 May 2015 14:51

Tgt Ion:172 Resp: 1044519  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 29.0 43.4  
 170 25.1 19.0 28.4



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.18 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BG016923.D

Acq: 7 May 2015 14:51

Instrument :

BNA\_G

ClientSampleId :

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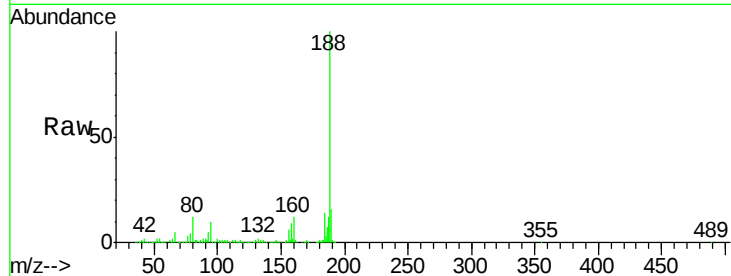
Tgt Ion:188 Resp: 557511

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.4

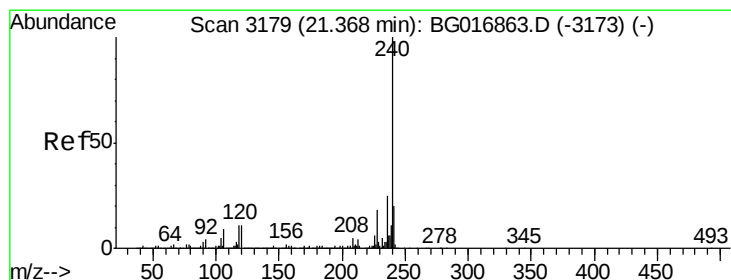
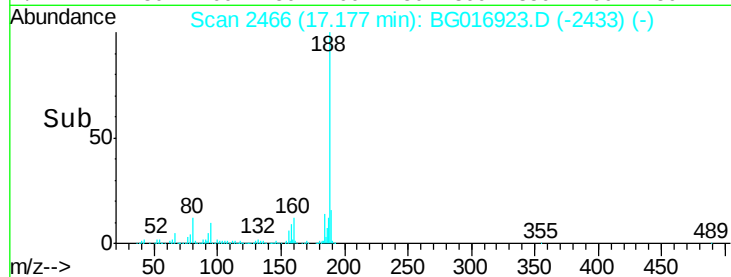
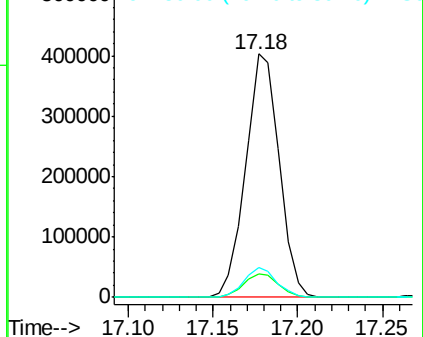
80 12.4 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.36 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG016923.D

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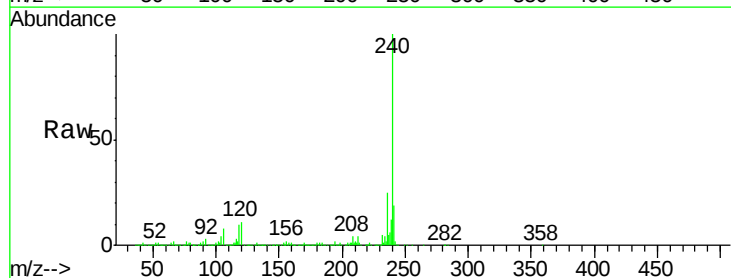
Tgt Ion:240 Resp: 558283

Ion Ratio Lower Upper

240 100

120 11.5 9.1 13.7

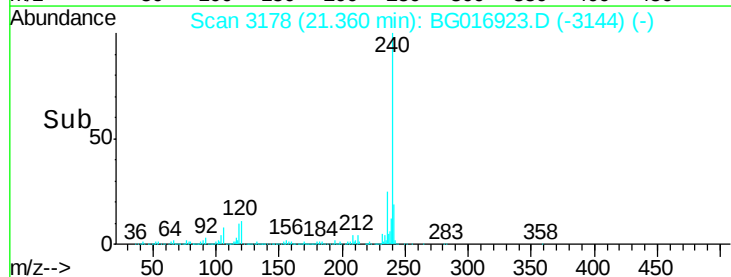
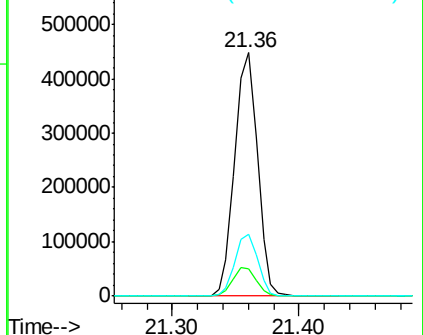
236 25.5 20.2 30.4



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

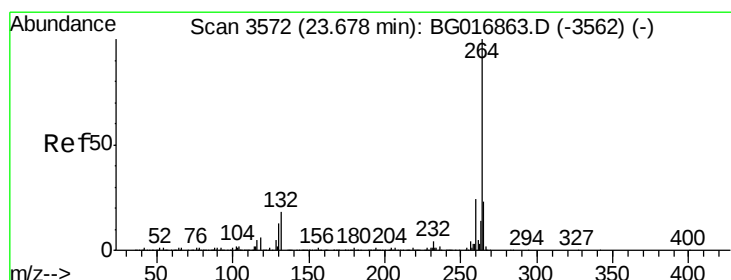
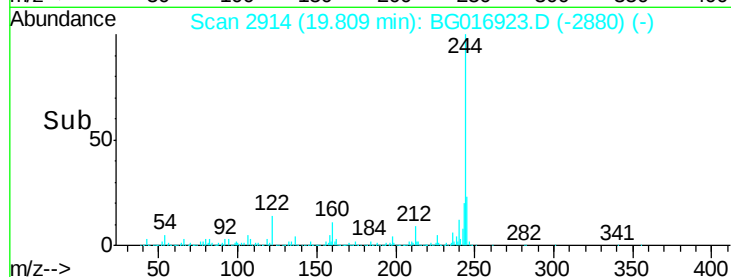
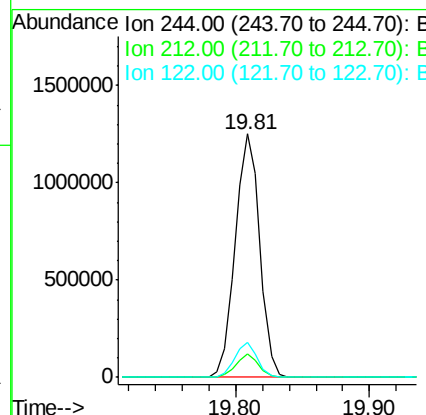
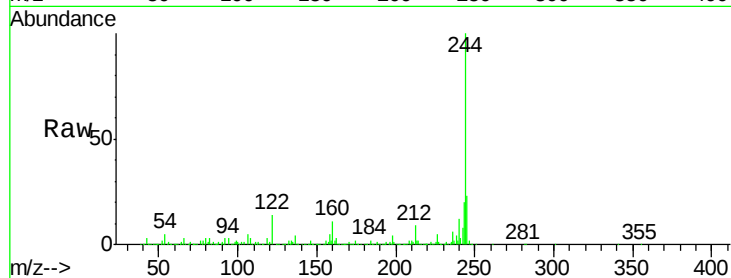




#78  
 Terphenyl-d14  
 Concen: 67.27 ng  
 RT: 19.81 min Scan# 2914  
 Delta R.T. -0.00 min  
 Lab File: BG016923.D  
 Acq: 7 May 2015 14:51

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Tgt Ion:244 Resp: 1602088  
 Ion Ratio Lower Upper  
 244 100  
 212 9.4 7.0 10.6  
 122 14.3 10.4 15.6



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.66 min Scan# 3570  
 Delta R.T. -0.00 min  
 Lab File: BG016923.D  
 Acq: 7 May 2015 14:51

Tgt Ion:264 Resp: 537789  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.5 29.3  
 265 21.8 18.5 27.7

