

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\  
 Data File : BG022254.D  
 Acq On : 9 Jun 2016 4:47  
 Operator : UM/SJ  
 Sample : H3381-13  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-40

Quant Time: Jun 09 07:22:42 2016  
 Quant Title :  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

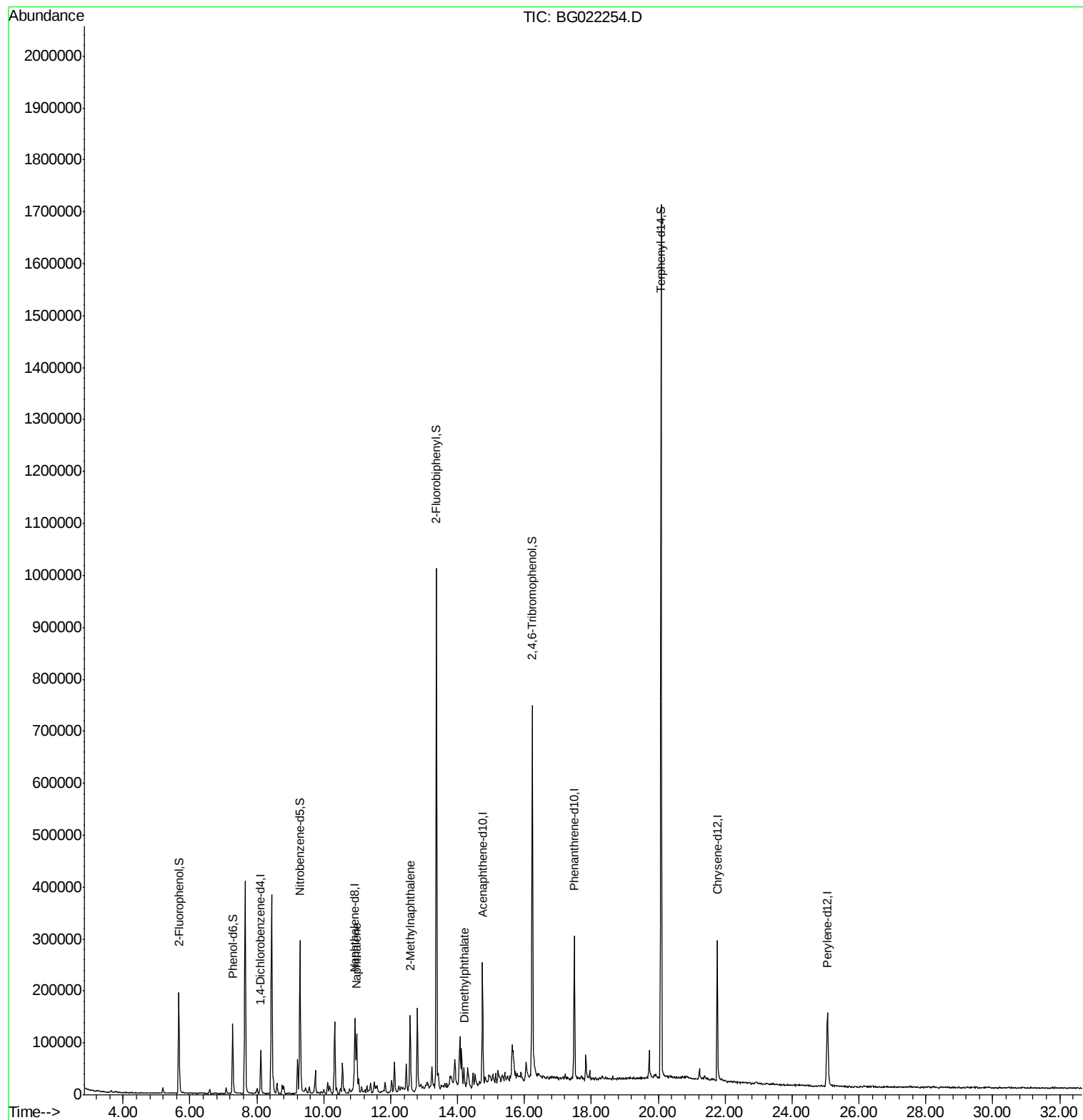
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 31333    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.93 | 136  | 153866   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.75 | 164  | 89419    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.49 | 188  | 187952   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.76 | 240  | 176773   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.06 | 264  | 172431   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.66  | 112  | 133937   | 82.65  | ng    | 0.00           |
| 7) Phenol-d6                | 7.27  | 99   | 121202   | 47.57  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 223357   | 101.20 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 151783   | 150.22 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 596846   | 101.72 | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.08 | 244  | 761524   | 102.27 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 10.99 | 128  | 102223   | 13.31  | ng    | Ovalue<br># 95 |
| 37) 2-Methylnaphthalene     | 12.59 | 142  | 87772    | 15.48  | ng    | 96             |
| 49) Dimethylphthalate       | 14.19 | 163  | 25378    | 3.42   | ng    | 99             |

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

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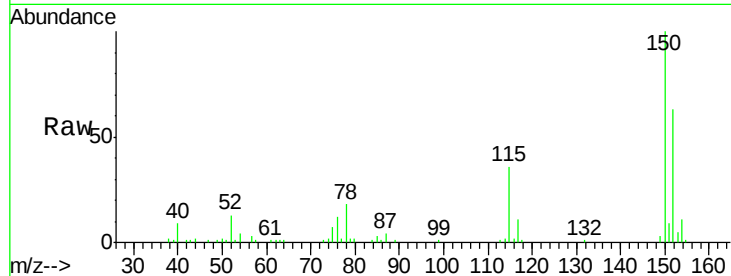


#1

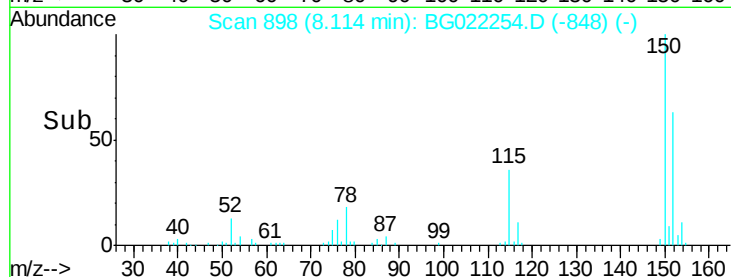
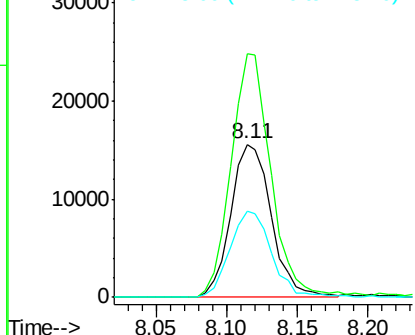
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.11 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

Instrument :  
BNA\_G  
ClientSampleId :  
W-40

Tot Ion:152 Resp: 31333  
Ion Ratio Lower Upper  
152 100  
150 158.7 130.1 195.1  
115 56.6 62.2 93.2#



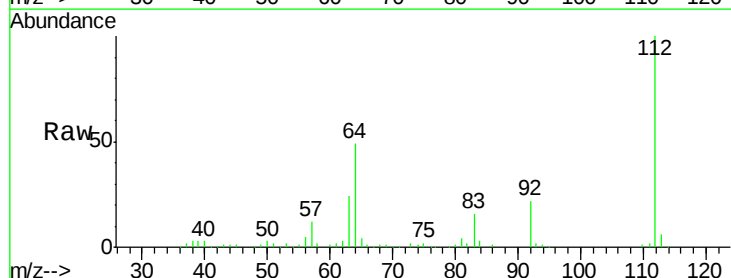
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



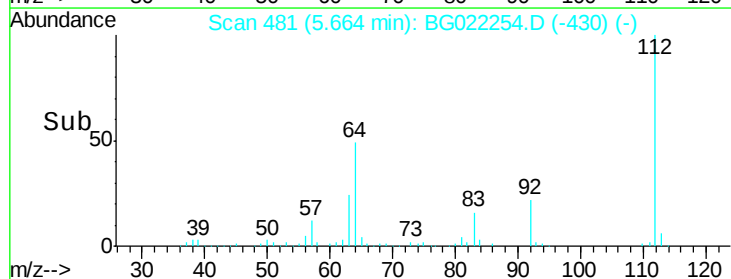
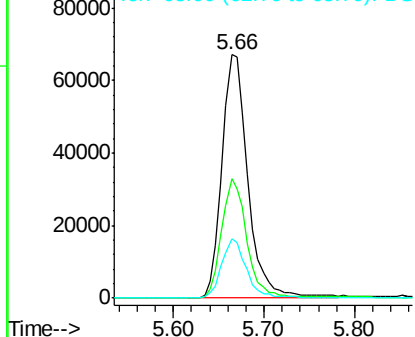
#5

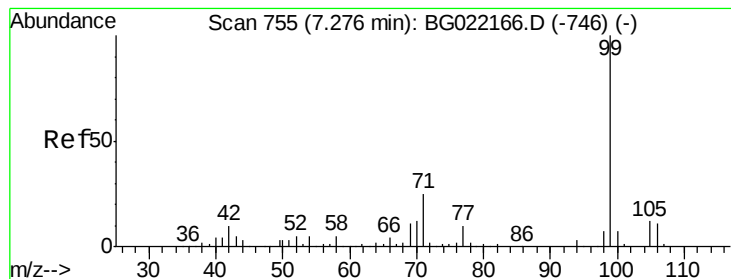
2-Fluorophenol  
Concen: 82.65 ng  
RT: 5.66 min Scan# 481  
Delta R.T. -0.00 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

Tgt Ion:112 Resp: 133937  
Ion Ratio Lower Upper  
112 100  
64 49.2 51.1 76.7#  
63 24.1 24.6 37.0#



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: 47.57 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Instrument :

BNA\_G

ClientSampleId :

W-40

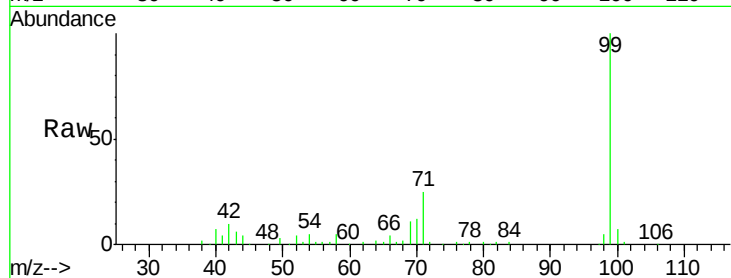
Tot Ion: 99 Resp: 121202

Ion Ratio Lower Upper

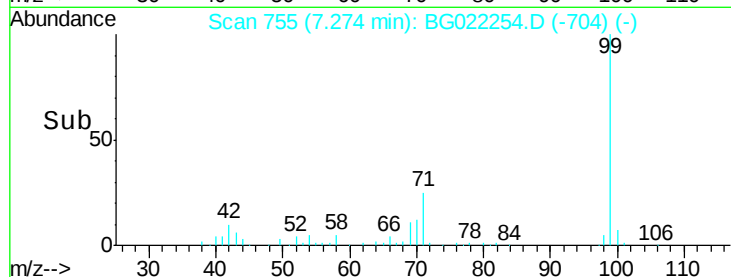
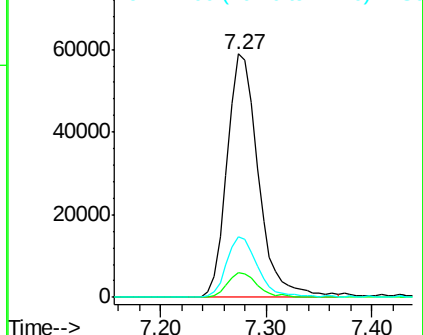
99 100

42 10.2 16.4 24.6#

71 25.1 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: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Tgt Ion: 136 Resp: 153866

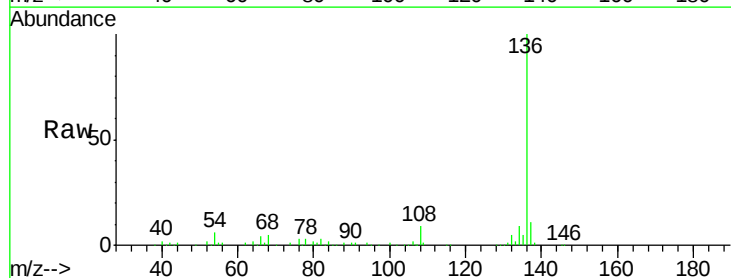
Ion Ratio Lower Upper

136 100

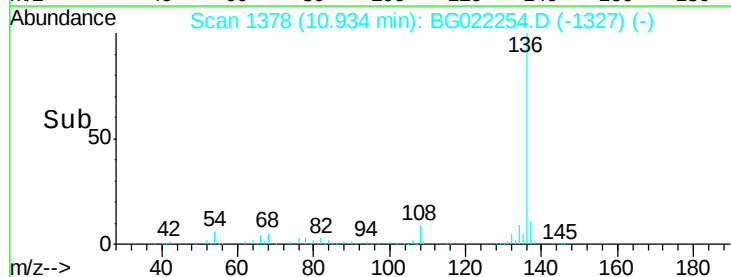
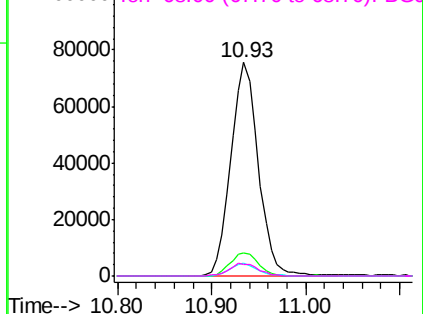
137 11.1 9.0 13.4

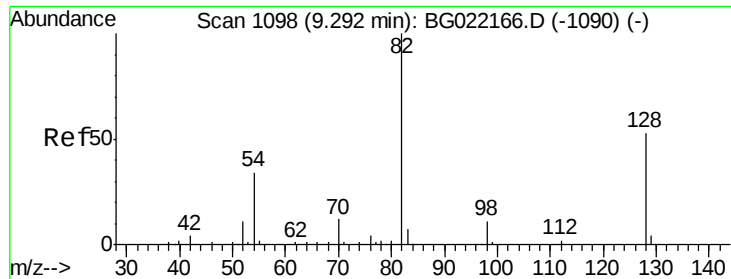
54 5.9 9.6 14.4#

68 5.3 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

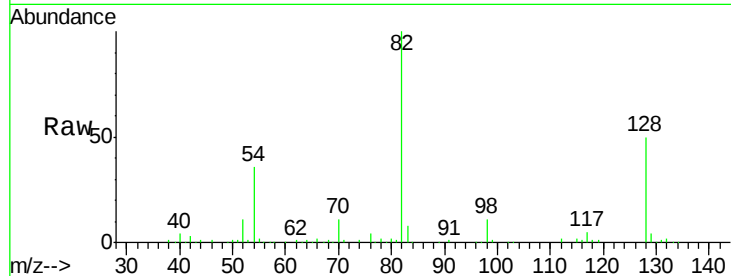




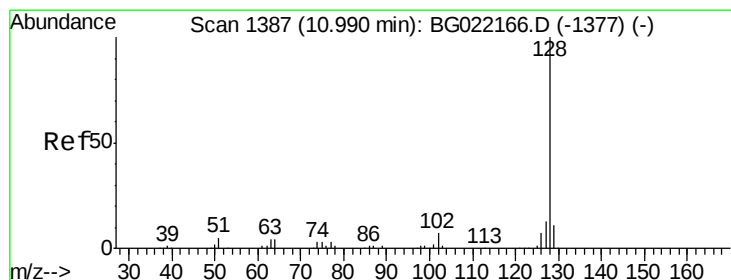
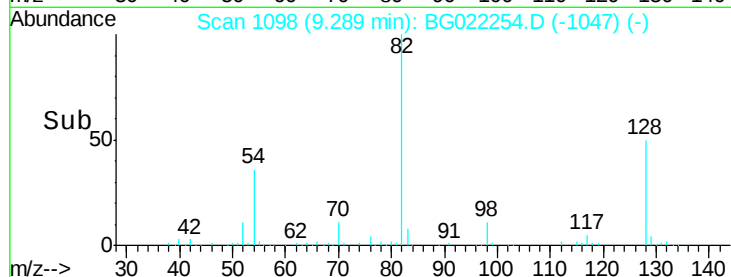
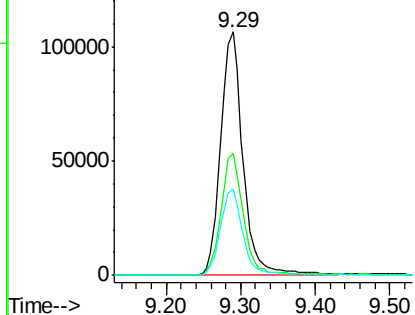
#23  
Nitrobenzene-d5  
Concen: 101.20 ng  
RT: 9.29 min Scan# 1098  
Delta R.T. -0.00 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

Instrument :  
BNA\_G  
ClientSampleId :  
W-40

Tot Ion: 82 Resp: 223357  
Ion Ratio Lower Upper  
82 100  
128 50.1 33.4 50.0#  
54 35.5 46.1 69.1#

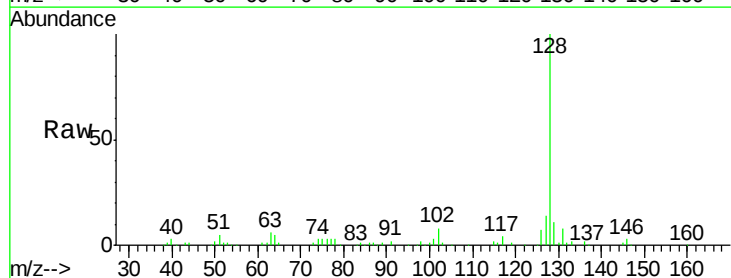


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

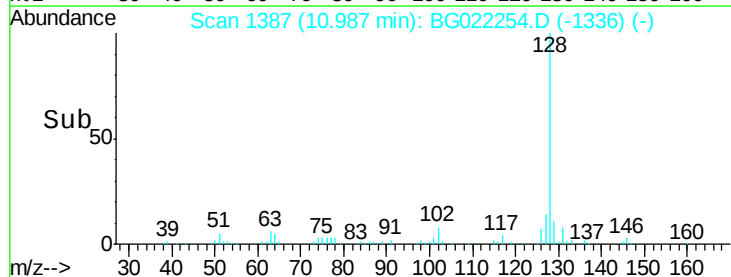
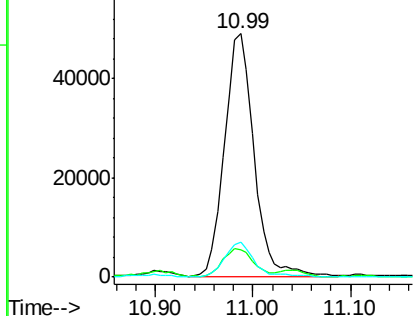


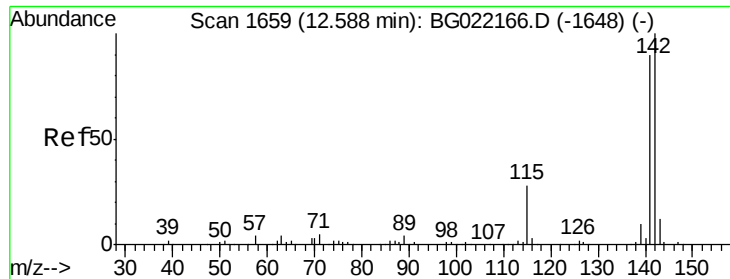
#31  
Naphthalene  
Concen: 13.31 ng  
RT: 10.99 min Scan# 1387  
Delta R.T. -0.00 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

Tgt Ion: 128 Resp: 102223  
Ion Ratio Lower Upper  
128 100  
129 11.2 7.0 10.6#  
127 14.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC

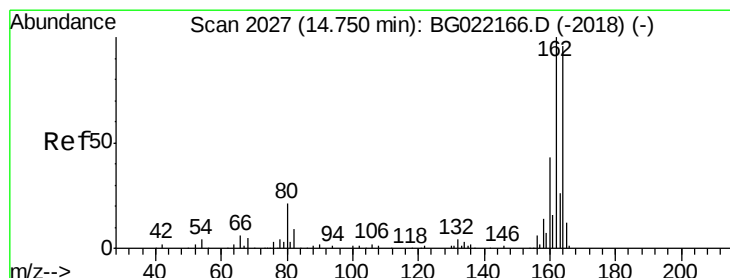
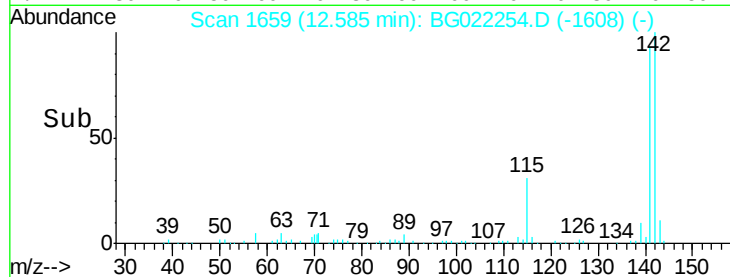
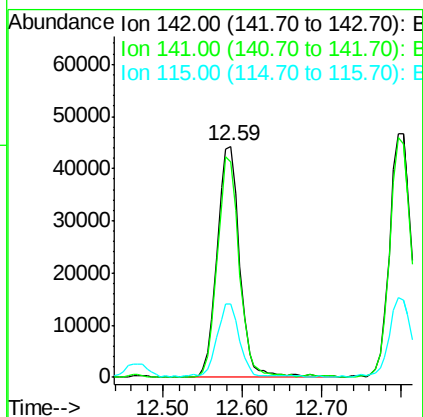
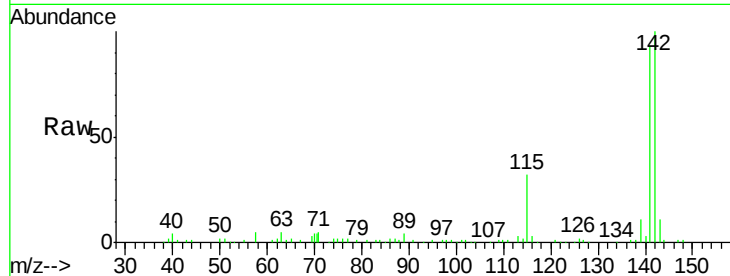




#37  
2-Methylnaphthalene  
Concen: 15.48 ng  
RT: 12.59 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

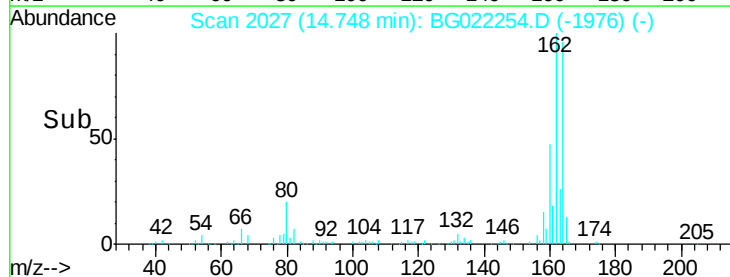
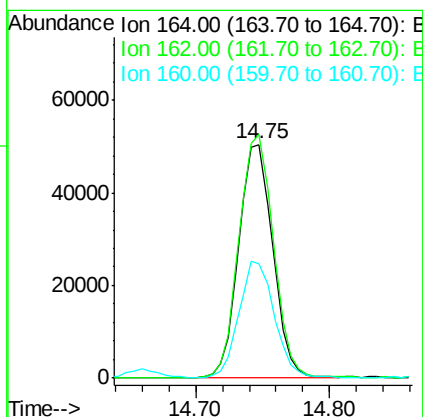
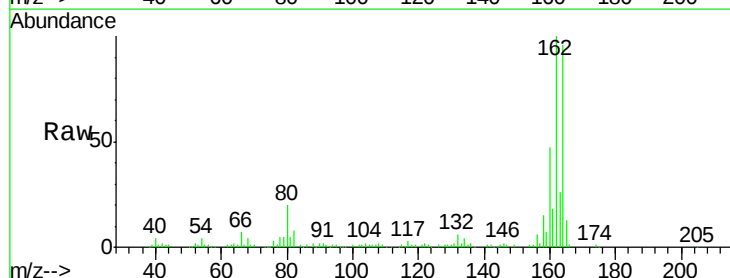
Instrument :  
BNA\_G  
ClientSampleId :  
W-40

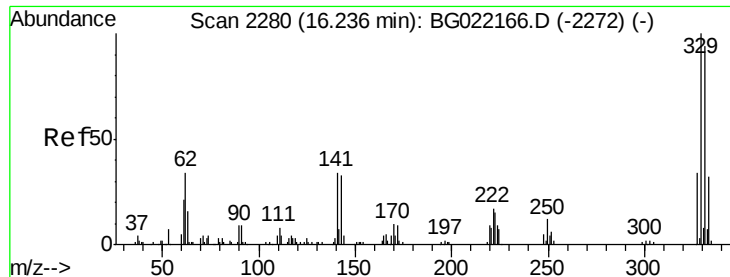
Tot Ion:142 Resp: 87772  
Ion Ratio Lower Upper  
142 100  
141 93.0 71.4 107.0  
115 31.7 27.4 41.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 2027  
Delta R.T. -0.00 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

Tgt Ion:164 Resp: 89419  
Ion Ratio Lower Upper  
164 100  
162 104.2 78.0 117.0  
160 48.9 32.9 49.3





#41

2,4,6-Tribromophenol

Concen: 150.22 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Instrument :

BNA\_G

ClientSampleId :

W-40

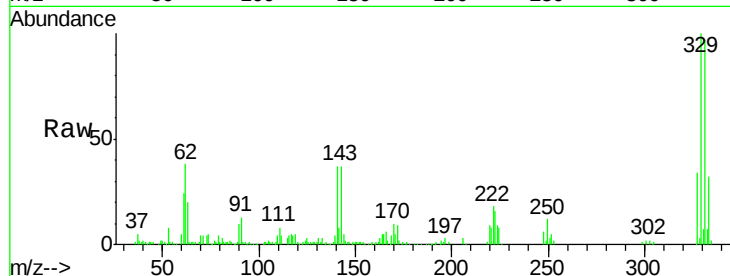
Tot Ion:330 Resp: 151783

Ion Ratio Lower Upper

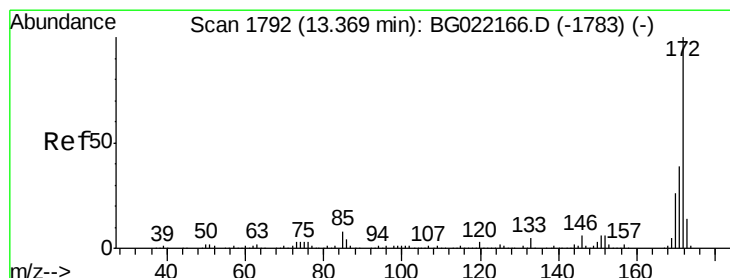
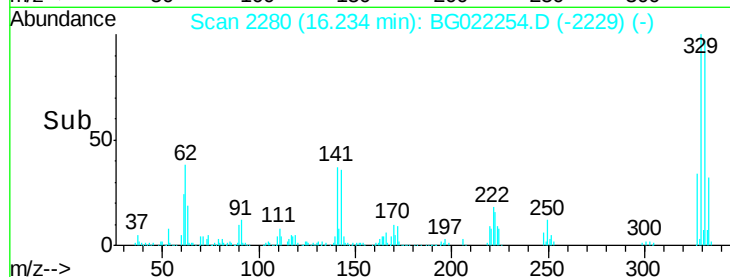
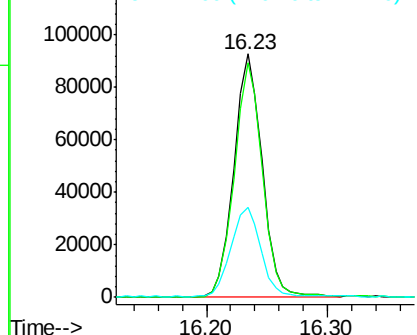
330 100

332 96.4 78.0 117.0

141 38.5 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: 101.72 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

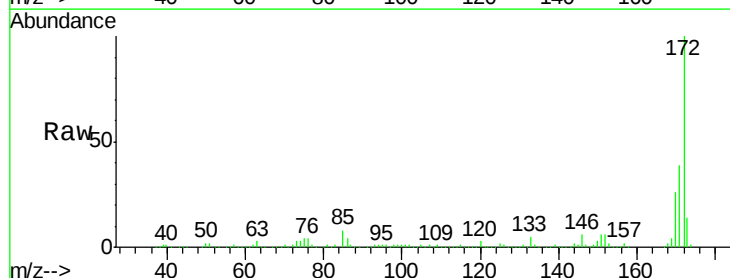
Tgt Ion:172 Resp: 596846

Ion Ratio Lower Upper

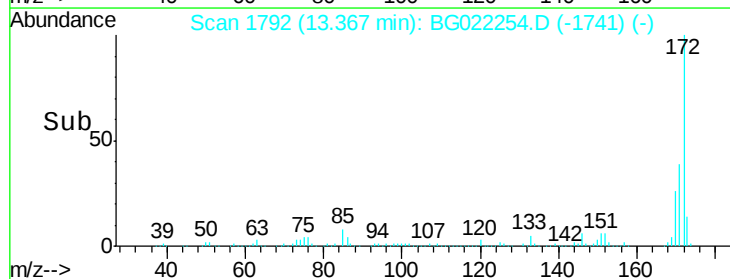
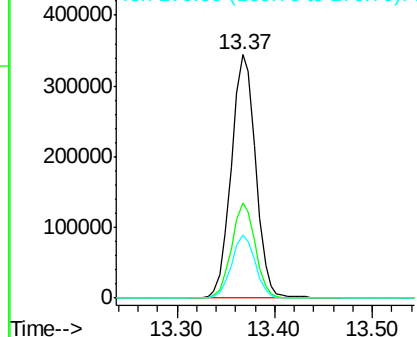
172 100

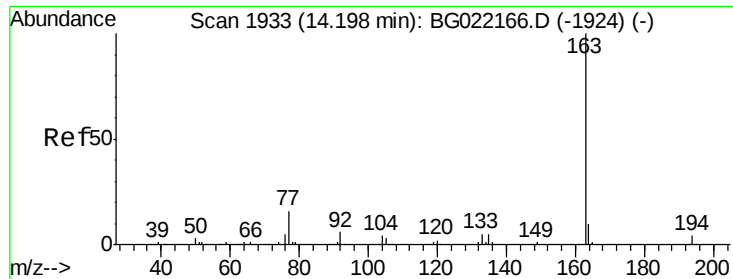
171 39.0 27.8 41.6

170 25.8 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

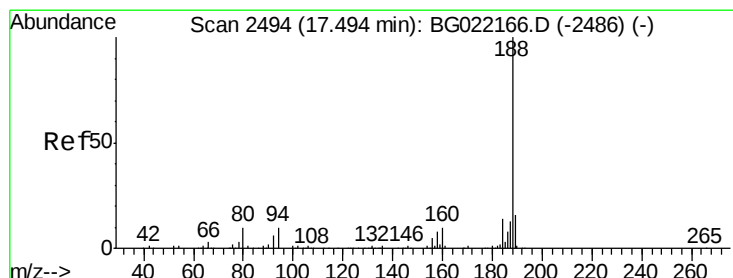
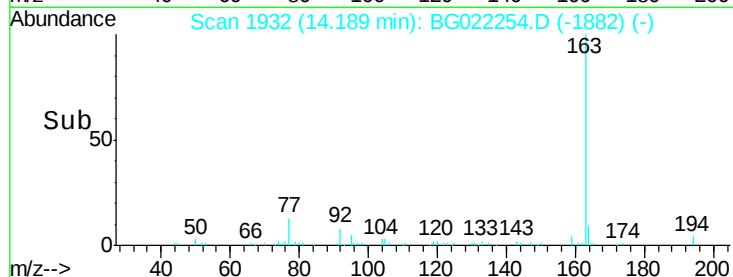
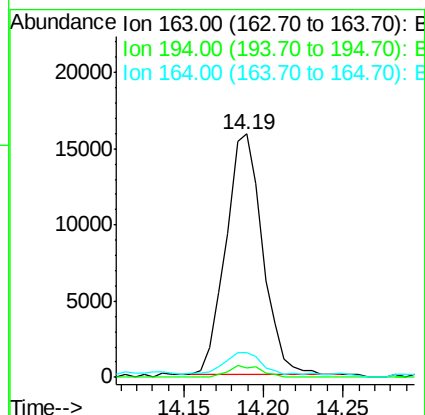
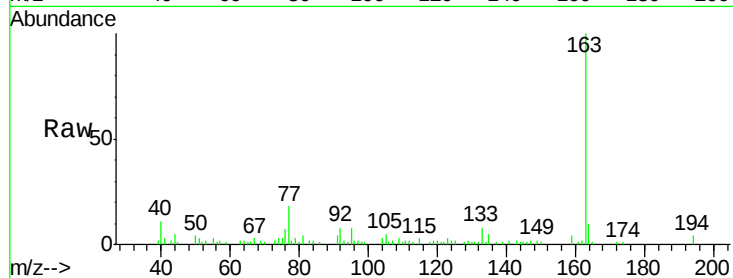




#49  
Dimethylphthalate  
Concen: 3.42 ng  
RT: 14.19 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

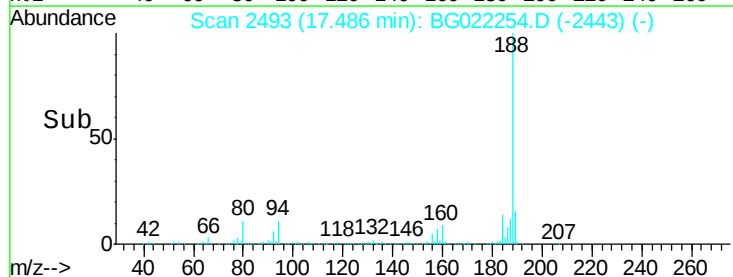
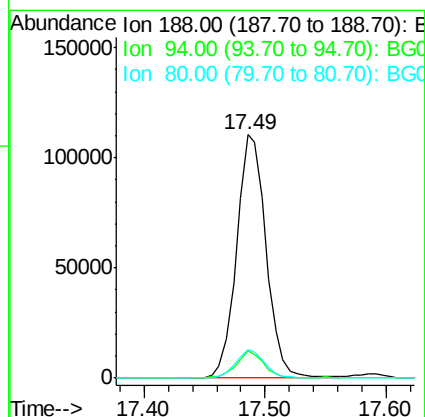
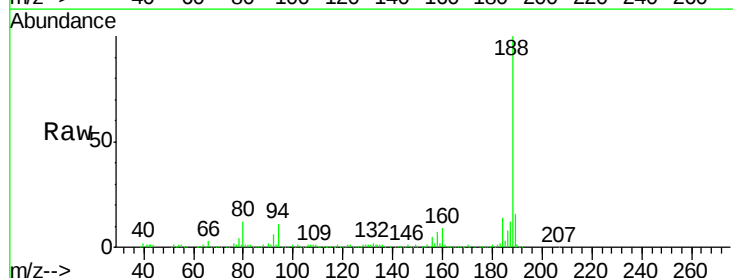
Instrument :  
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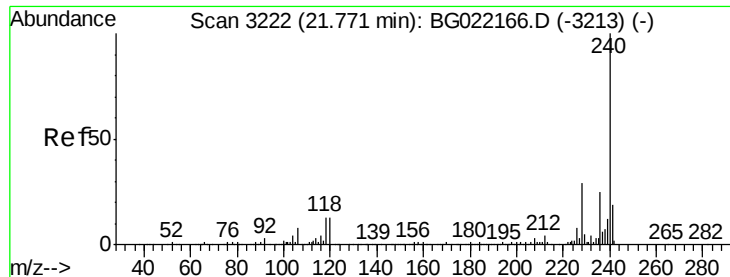
Tot Ion:163 Resp: 25378  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 10.3 8.1 12.1



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2493  
Delta R.T. -0.01 min  
Lab File: BG022254.D  
Acq: 9 Jun 2016 4:47

Tgt Ion:188 Resp: 187952  
Ion Ratio Lower Upper  
188 100  
94 11.0 7.5 11.3  
80 11.6 8.6 13.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Instrument :

BNA\_G

ClientSampleId :

W-40

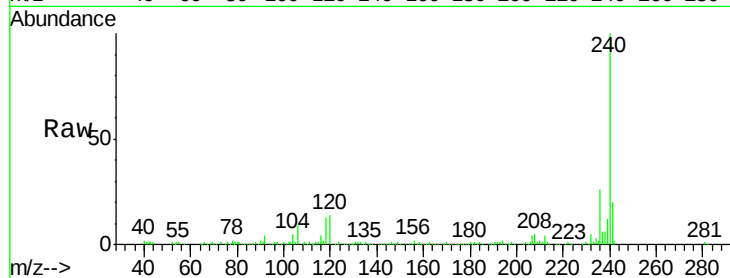
Tot Ion:240 Resp: 176773

Ion Ratio Lower Upper

240 100

120 13.8 8.4 12.6#

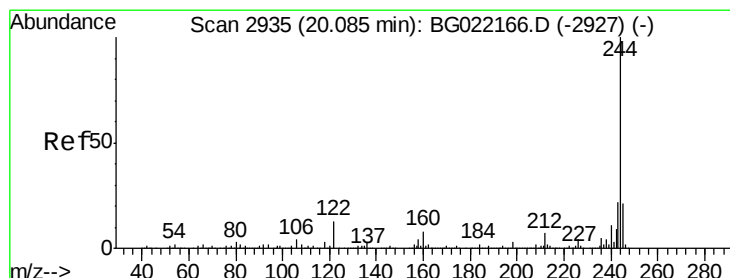
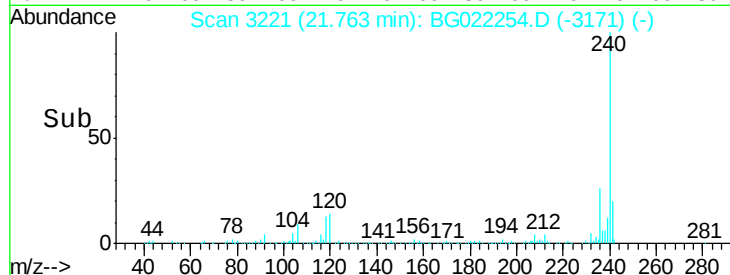
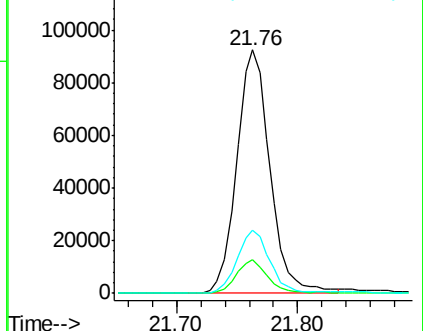
236 26.2 19.6 29.4



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: 102.27 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

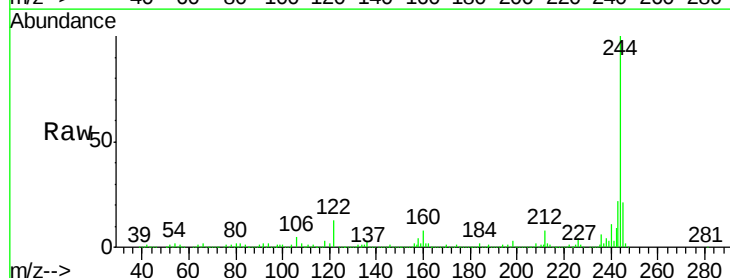
Tgt Ion:244 Resp: 761524

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

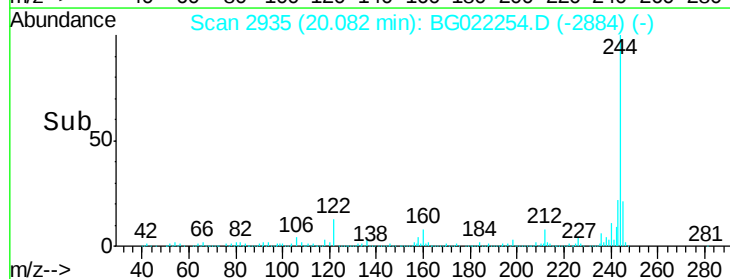
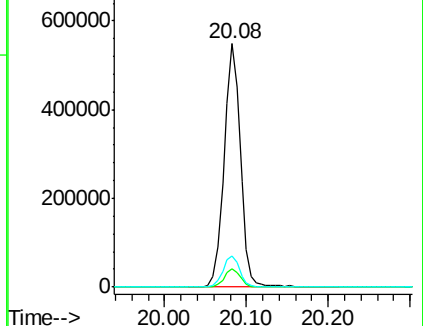
122 13.0 8.6 12.8#

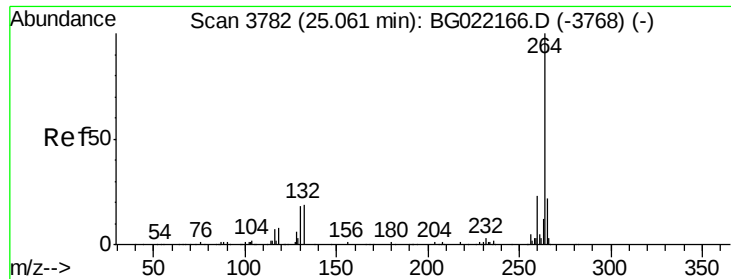


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.06 min Scan# 3782  
 Delta R.T. -0.00 min  
 Lab File: BG022254.D  
 Acq: 9 Jun 2016 4:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-40

Tot Ion:264 Resp: 172431  
 Ion Ratio Lower Upper  
 264 100  
 260 25.8 20.2 30.4  
 265 21.4 17.8 26.8

