

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121117\  
 Data File : BG031466.D  
 Acq On : 11 Dec 2017 21:44  
 Operator : SJ/JU  
 Sample : I6762-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 12 03:50:53 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 51416    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.93 | 136  | 213142   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.73 | 164  | 143082   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.48 | 188  | 384974   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.74 | 240  | 474260   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.02 | 264  | 444072   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.67  | 112  | 138978   | 47.91  | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 113287   | 28.13  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 330584   | 95.60  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 168309   | 100.41 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 941335   | 96.57  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.06 | 244  | 1754741  | 84.18  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88   | 105      | 0.076 | ng    | # 11   |
| 4) n-Nitrosodimethylamine      | 3.83  | 42   | 202      | 0.118 | ng    | # 1    |
| 6) Aniline                     | 7.63  | 93   | 84       | 0.016 | ng    | # 1    |
| 9) Benzaldehyde                | 7.30  | 77   | 61       | 0.026 | ng    | # 5    |
| 10) Phenol                     | 7.30  | 94   | 3354     | 0.811 | ng    | # 84   |
| 11) bis(2-Chloroethyl)ether    | 7.63  | 93   | 84       | 0.025 | ng    | # 1    |
| 15) Benzyl Alcohol             | 8.43  | 79   | 5601     | 1.778 | ng    | # 51   |
| 17) 2-Methylphenol             | 8.45  | 107  | 71       | 0.025 | ng    | # 1    |
| 22) Acetophenone               | 9.12  | 105  | 55       | 0.011 | ng    | # 50   |
| 24) Nitrobenzene               | 9.27  | 77   | 1150     | 0.325 | ng    | # 42   |
| 25) Isophorone                 | 9.83  | 82   | 170      | 0.026 | ng    | # 69   |
| 31) Naphthalene                | 10.98 | 128  | 160      | 0.015 | ng    | # 68   |
| 45) 1,1'-Biphenyl              | 13.36 | 154  | 1814     | 0.154 | ng    | # 1    |
| 48) Acenaphthylene             | 14.71 | 152  | 53       | 0.004 | ng    | # 59   |
| 49) Dimethylphthalate          | 14.20 | 163  | 5549     | 0.468 | ng    | # 95   |
| 51) Acenaphthene               | 14.73 | 154  | 380      | 0.043 | ng    | # 5    |
| 54) Dibenzofuran               | 15.16 | 168  | 139      | 0.010 | ng    | # 46   |
| 56) 2,4-Dinitrotoluene         | 15.22 | 165  | 56       | 0.016 | ng    | # 16   |
| 57) Fluorene                   | 15.79 | 166  | 158      | 0.014 | ng    | # 7    |
| 59) Diethylphthalate           | 15.54 | 149  | 2347     | 0.198 | ng    | # 86   |
| 62) Azobenzene                 | 16.04 | 77   | 61       | 0.006 | ng    | # 48   |
| 65) n-Nitrosodiphenylamine     | 16.21 | 169  | 6020     | 0.534 | ng    | # 43   |
| 70) Phenanthrene               | 17.51 | 178  | 378      | 0.019 | ng    | # 60   |
| 71) Anthracene                 | 17.64 | 178  | 92       | 0.005 | ng    | # 59   |
| 72) Carbazole                  | 17.77 | 167  | 56       | 0.003 | ng    | # 59   |
| 73) Di-n-butylphthalate        | 18.42 | 149  | 1302     | 0.063 | ng    | # 78   |
| 74) Fluoranthene               | 19.54 | 202  | 1153     | 0.046 | ng    | # 79   |
| 77) Pyrene                     | 19.89 | 202  | 1928     | 0.065 | ng    | # 88   |
| 79) Butylbenzylphthalate       | 20.74 | 149  | 161      | 0.016 | ng    | # 20   |
| 80) Benzo(a)anthracene         | 21.74 | 228  | 1715     | 0.060 | ng    | # 59   |
| 81) 3,3'-Dichlorobenzidine     | 21.88 | 252  | 55       | 0.006 | ng    | # 26   |
| 82) Chrysene                   | 21.79 | 228  | 330      | 0.012 | ng    | # 49   |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 1684     | 0.113 | ng    | # 50   |
| 84) Di-n-octyl phthalate       | 22.81 | 149  | 157      | 0.006 | ng    | # 1    |

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Dec 12 03:50:53 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration

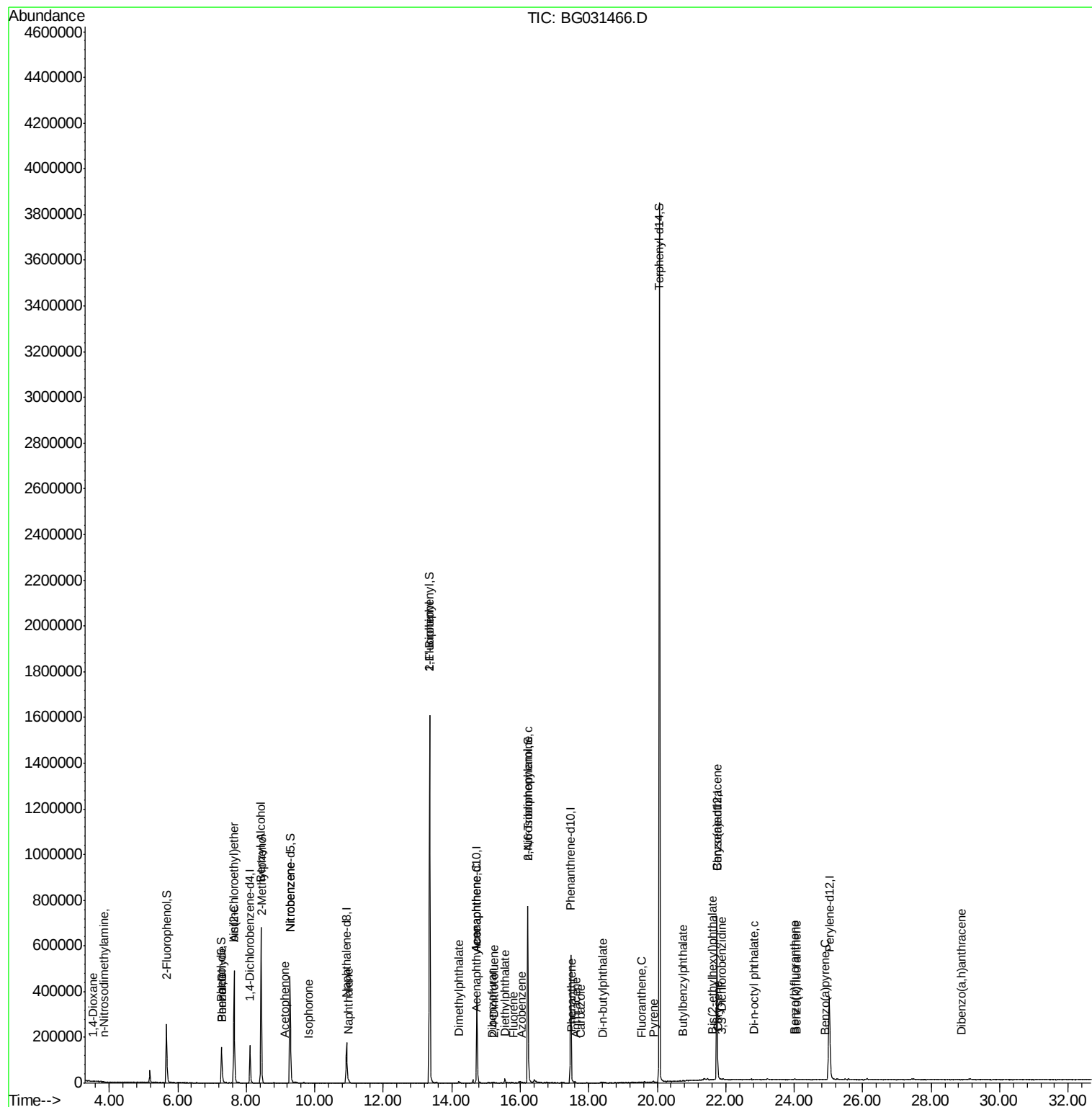
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 87) Benzo(b)fluoranthene   | 24.00 | 252  | 363      | 0.014 | ng    | # 59     |
| 88) Benzo(k)fluoranthene   | 24.06 | 252  | 86       | 0.003 | ng    | # 60     |
| 89) Benzo(a)pyrene         | 24.89 | 252  | 149      | 0.006 | ng    | # 59     |
| 90) Dibenzo(a,h)anthracene | 28.89 | 278  | 54       | 0.002 | ng    | # 58     |

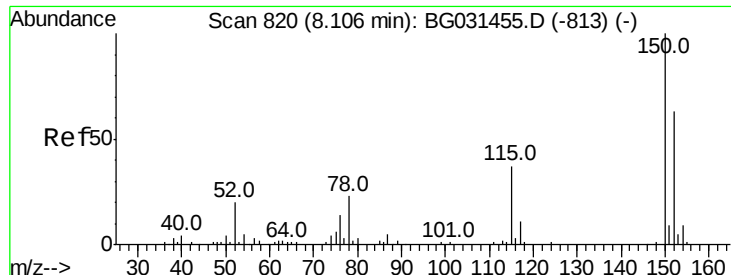
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
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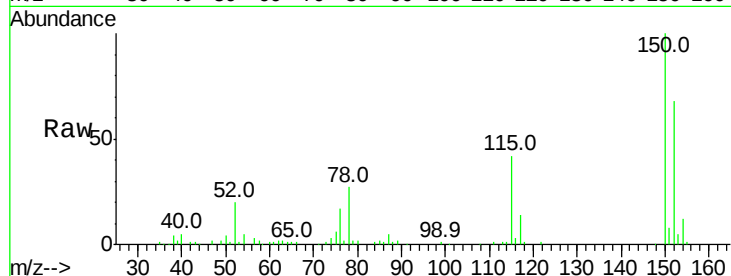


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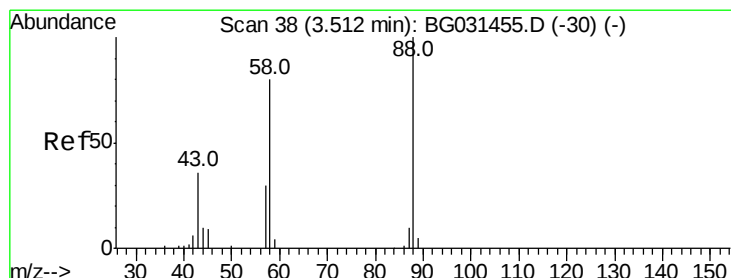
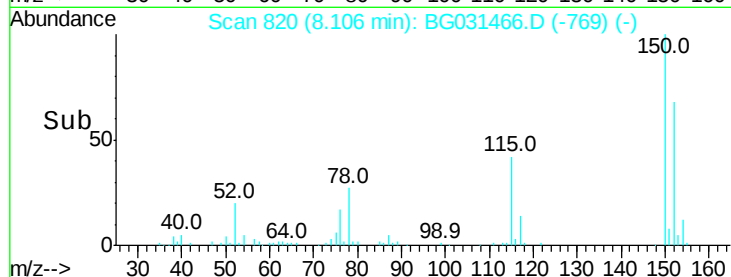
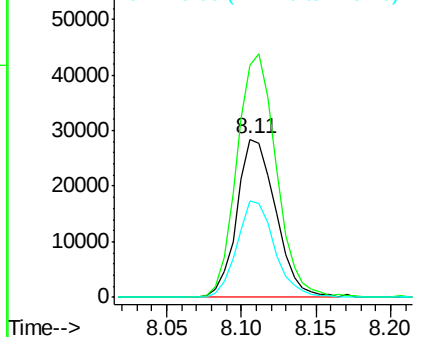
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 51416  
Ion Ratio Lower Upper  
152 100  
150 147.0 126.6 189.8  
115 61.2 53.0 79.4



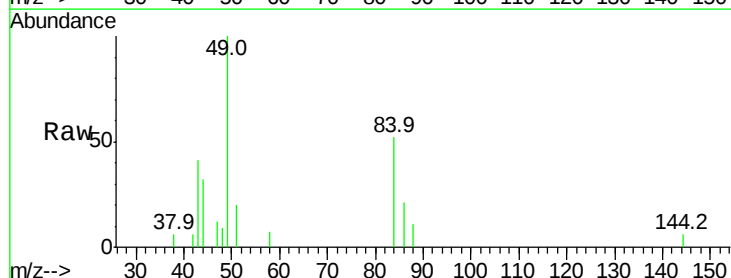
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



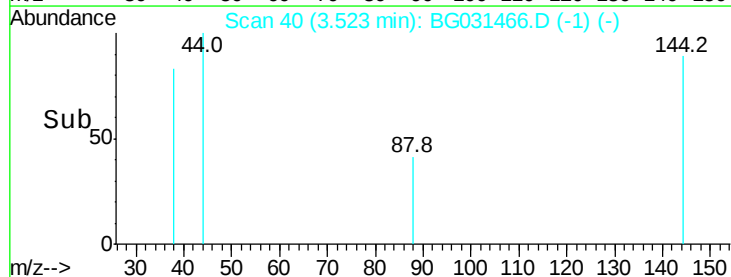
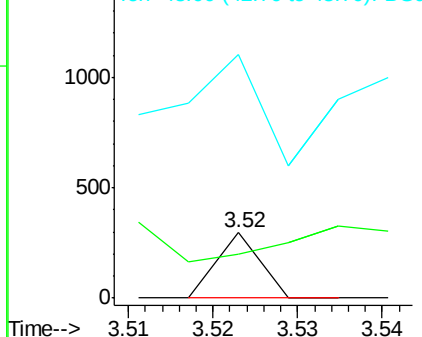
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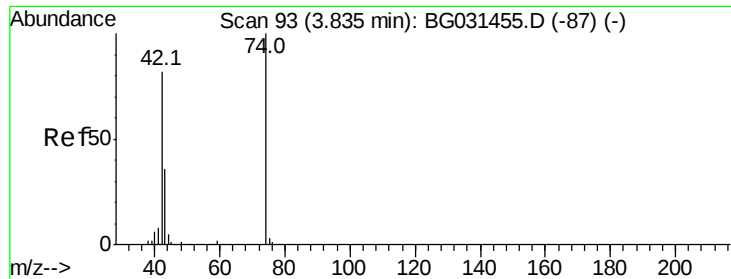
1,4-Dioxane  
Concen: 0.076 ng  
RT: 3.52 min Scan# 40  
Delta R.T. 0.01 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Tgt Ion: 88 Resp: 105  
Ion Ratio Lower Upper  
88 100  
58 0.0 79.6 119.4#  
43 0.0 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC



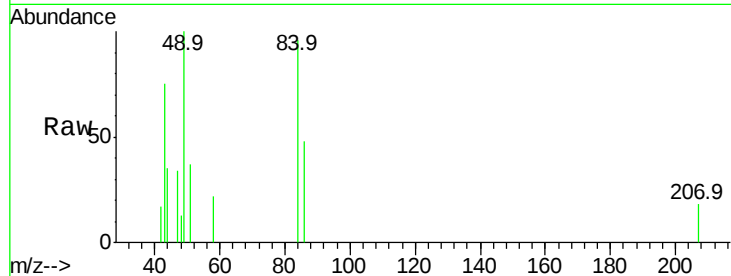


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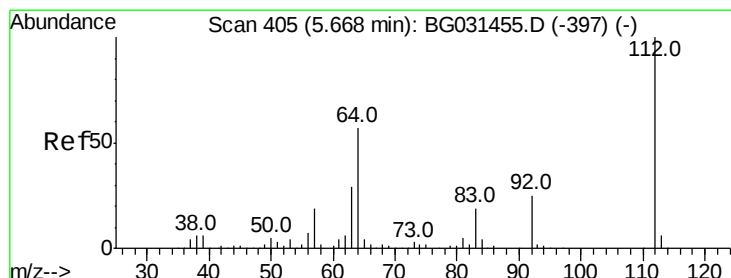
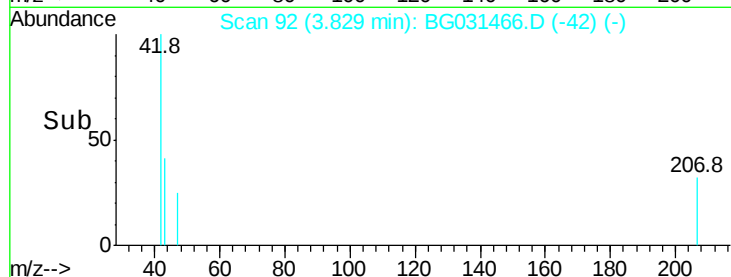
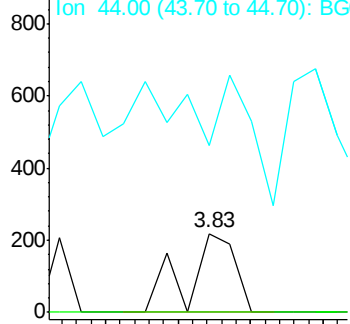
n-Nitrosodimethylamine  
 Concen: 0.118 ng  
 RT: 3.83 min Scan# 92  
 Delta R.T. -0.01 min  
 Lab File: BG031466.D  
 Acq: 11 Dec 2017 21:44

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion: 42 Resp: 202  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 102.5 153.7#  
 44 212.8 18.9 28.3#



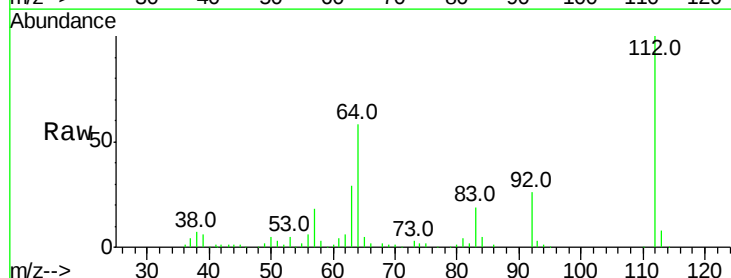
Abundance Ion 42.00 (41.70 to 42.70): BGC  
 Ion 74.00 (73.70 to 74.70): BGC  
 Ion 44.00 (43.70 to 44.70): BGC



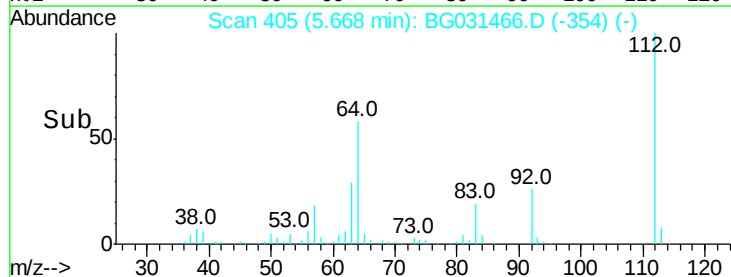
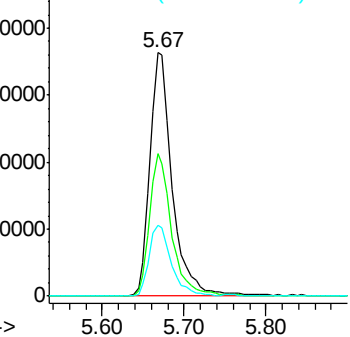
#5

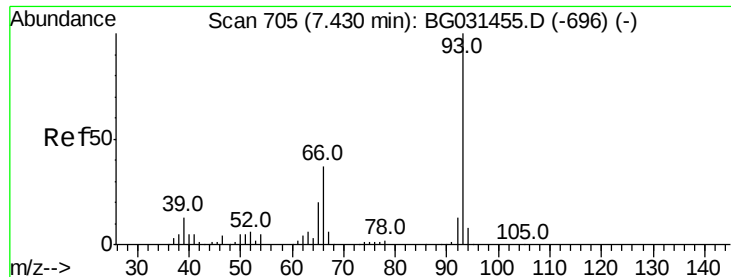
2-Fluorophenol  
 Concen: 47.911 ng  
 RT: 5.67 min Scan# 405  
 Delta R.T. 0.00 min  
 Lab File: BG031466.D  
 Acq: 11 Dec 2017 21:44

Tgt Ion: 112 Resp: 138978  
 Ion Ratio Lower Upper  
 112 100  
 64 58.4 56.3 84.5  
 63 29.2 30.1 45.1#



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





#6

Aniline

Concen: 0.016 ng

RT: 7.63 min Scan# 739

Delta R.T. 0.20 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampled :

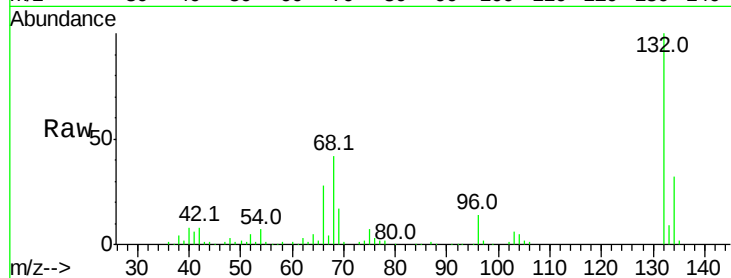
Tot Ion: 93 Resp: 84

Ion Ratio Lower Upper

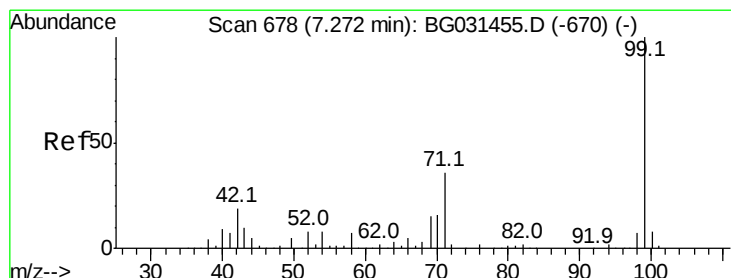
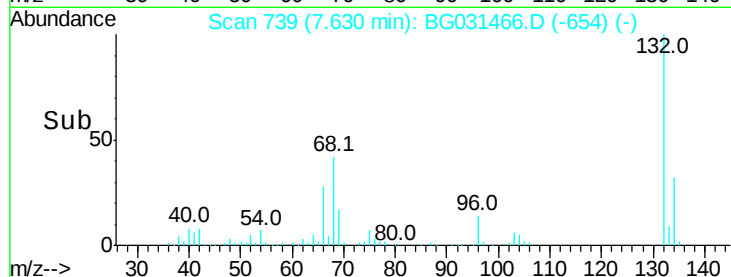
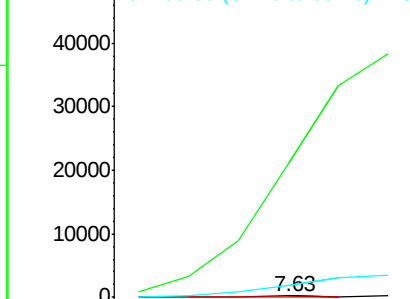
93 100

66 8843.7 33.7 50.5#

65 776.9 16.1 24.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 28.133 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

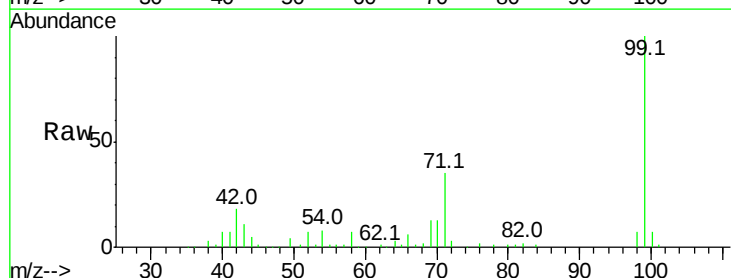
Tgt Ion: 99 Resp: 113287

Ion Ratio Lower Upper

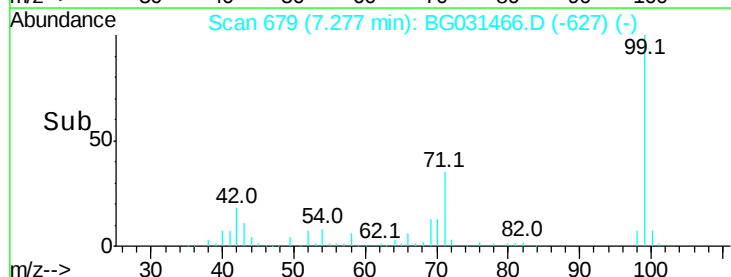
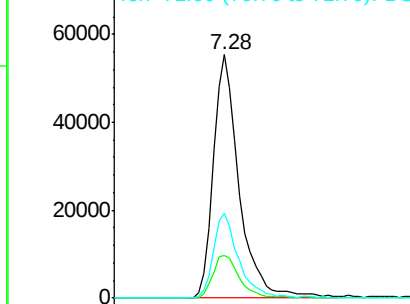
99 100

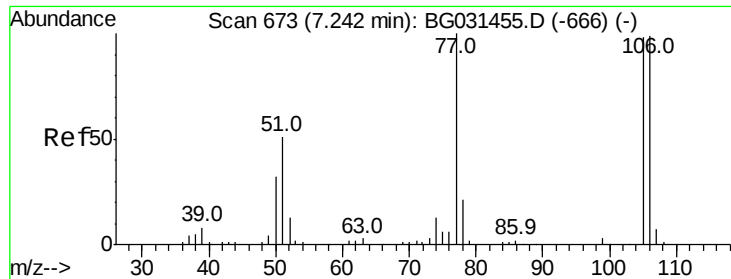
42 17.6 14.1 21.1

71 35.1 26.1 39.1



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





#9

Benzaldehyde

Concen: 0.026 ng

RT: 7.30 min Scan# 683

Delta R.T. 0.06 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

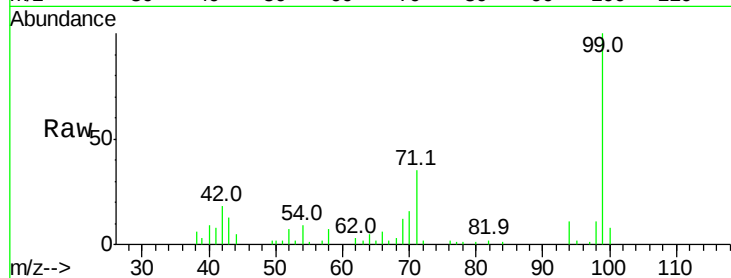
Tot Ion: 77 Resp: 61

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

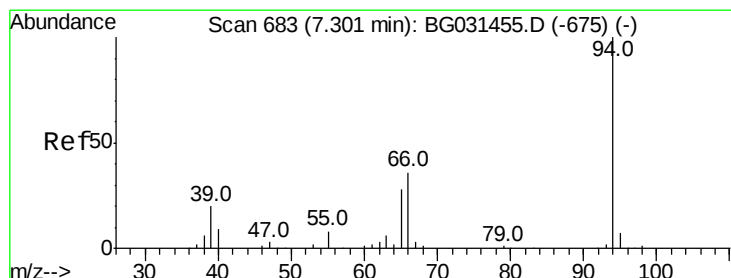
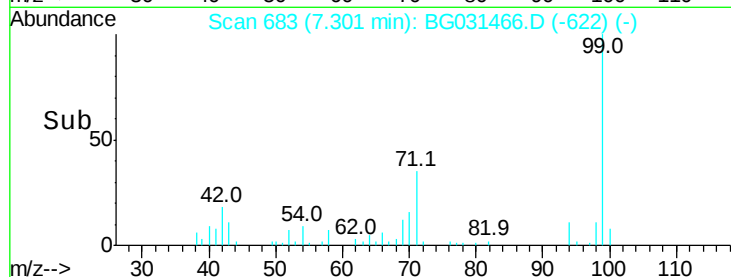
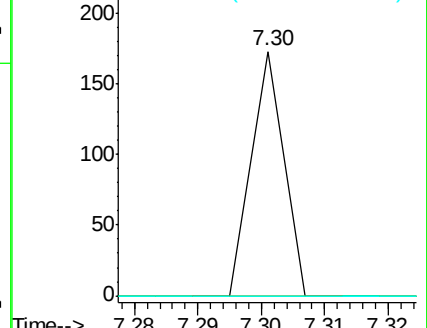
106 0.0 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.811 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

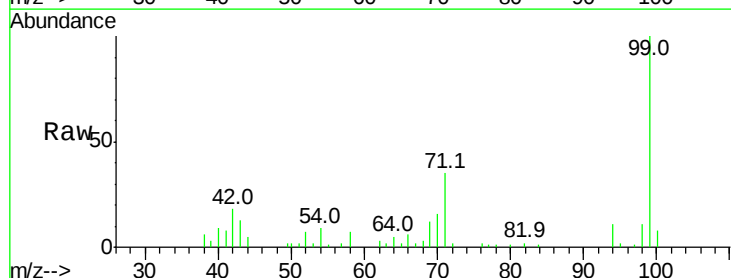
Tgt Ion: 94 Resp: 3354

Ion Ratio Lower Upper

94 100

65 21.9 11.9 51.9

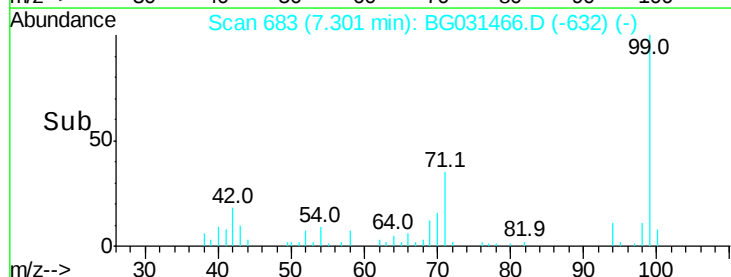
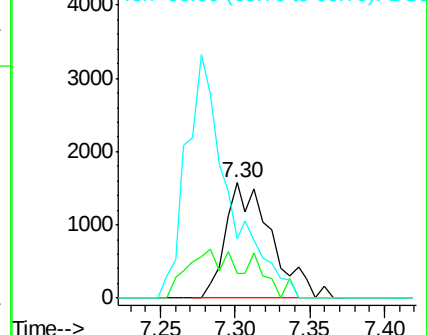
66 51.7 22.2 62.2

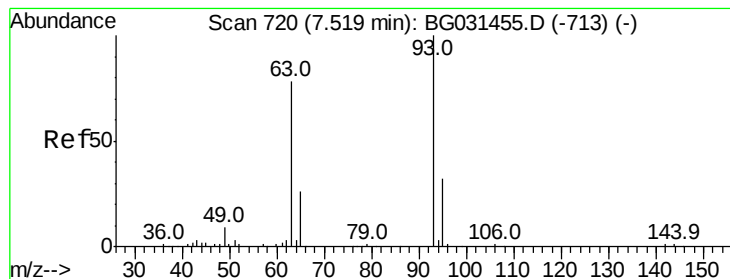


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 0.025 ng

RT: 7.63 min Scan# 739

Delta R.T. 0.11 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

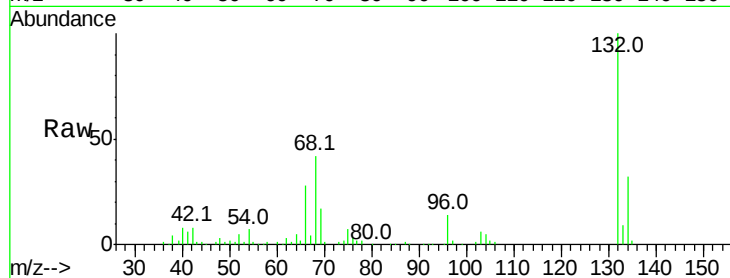
Tot Ion: 93 Resp: 84

Ion Ratio Lower Upper

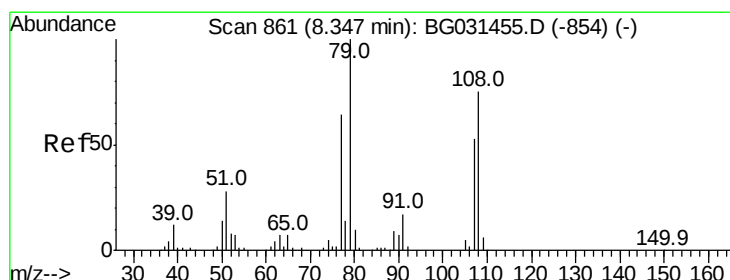
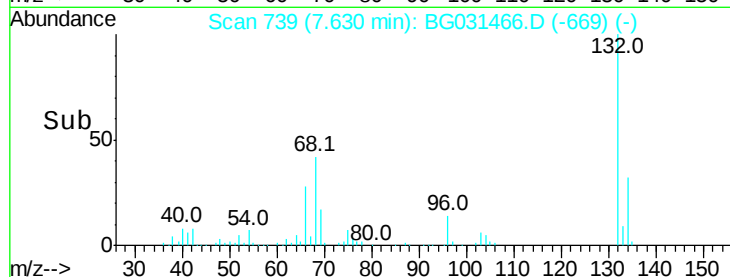
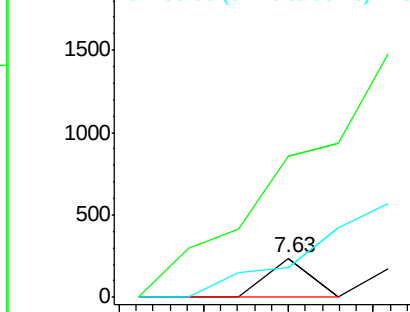
93 100

63 360.1 67.1 107.1#

95 77.7 11.5 51.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#15

Benzyl Alcohol

Concen: 1.778 ng

RT: 8.43 min Scan# 875

Delta R.T. 0.08 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

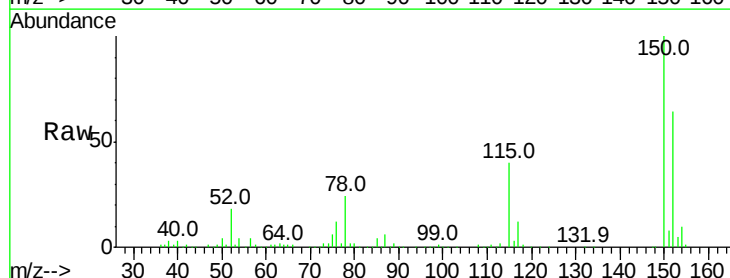
Tgt Ion: 79 Resp: 5601

Ion Ratio Lower Upper

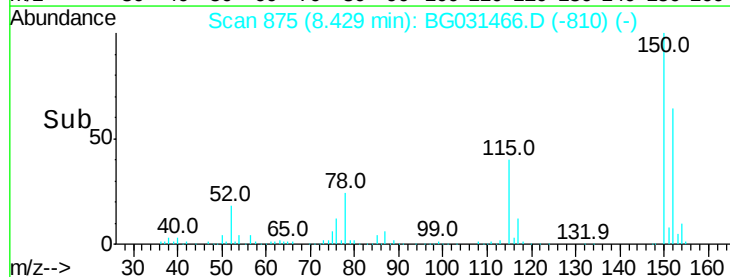
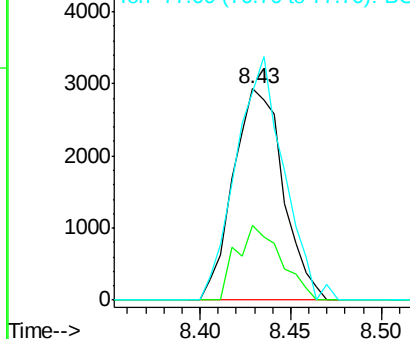
79 100

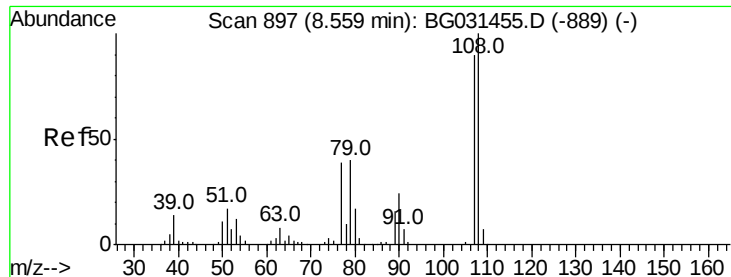
108 35.2 57.2 85.8#

77 98.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

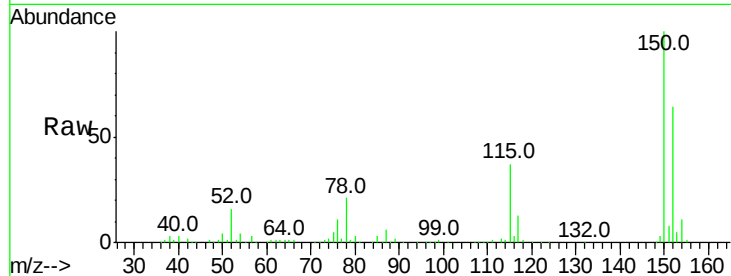




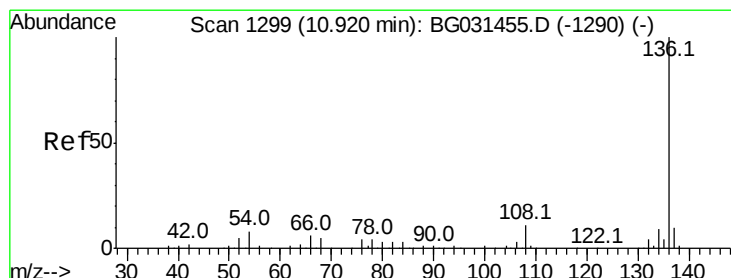
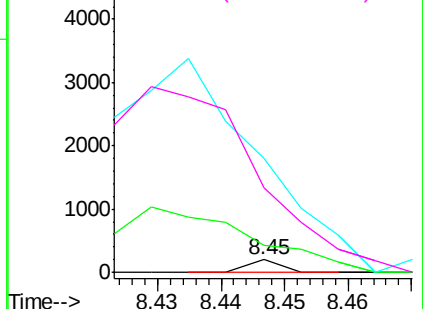
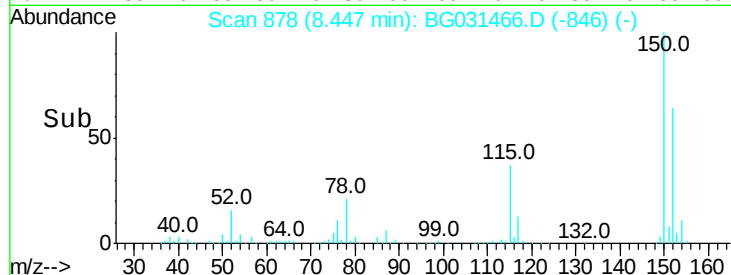
#17  
2-Methylphenol  
Concen: 0.025 ng  
RT: 8.45 min Scan# 878  
Delta R.T. -0.11 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:107 Resp: 71  
Ion Ratio Lower Upper  
107 100  
108 210.9 83.9 125.9#  
77 894.5 37.2 55.8#  
79 661.7 36.2 54.2#

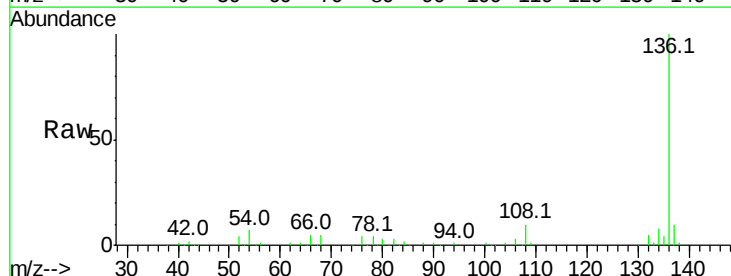


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

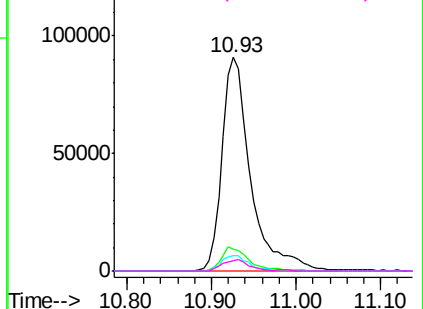
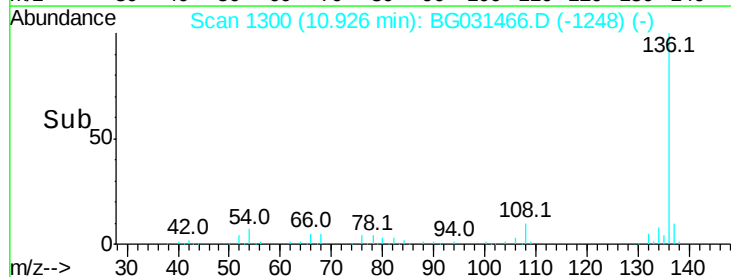


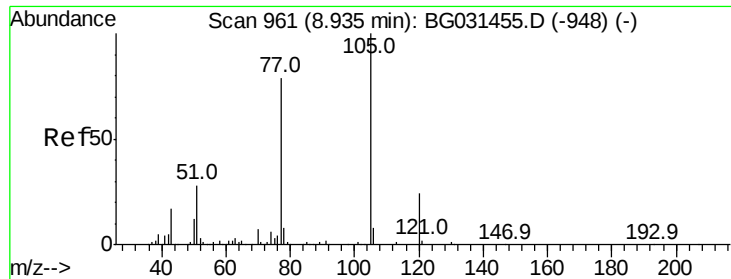
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1300  
Delta R.T. 0.01 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Tgt Ion:136 Resp: 213142  
Ion Ratio Lower Upper  
136 100  
137 10.3 9.2 13.8  
54 7.5 10.3 15.5#  
68 4.8 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

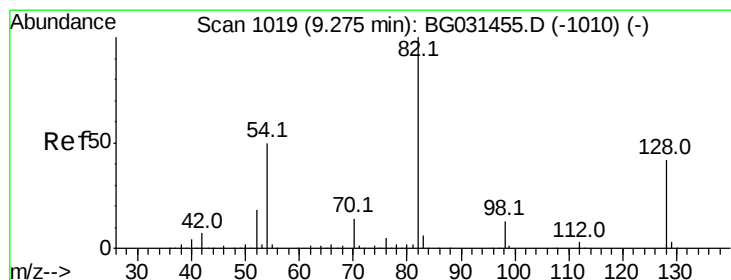
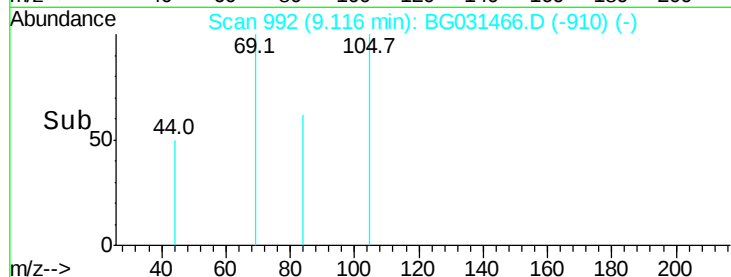
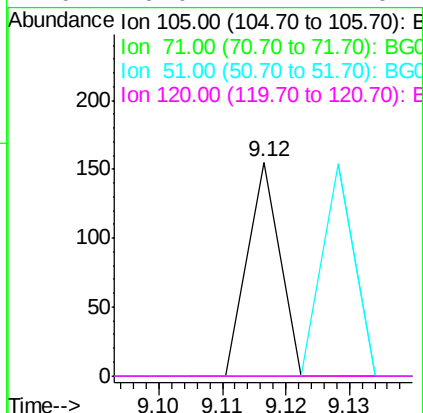
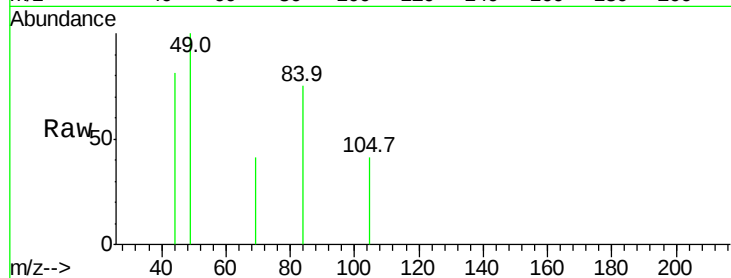




#22  
Acetophenone  
Concen: 0.011 ng  
RT: 9.12 min Scan# 992  
Delta R.T. 0.18 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

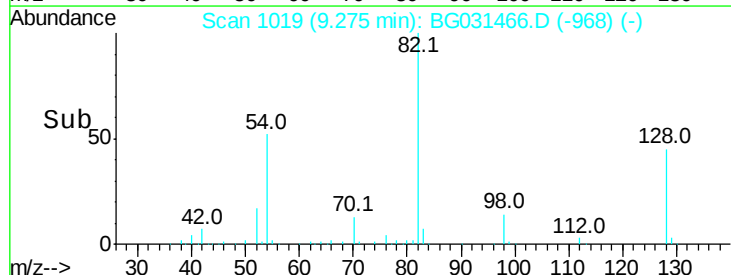
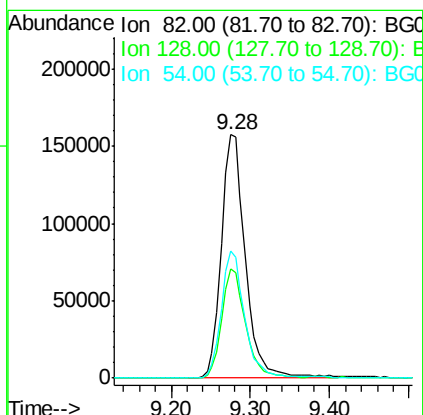
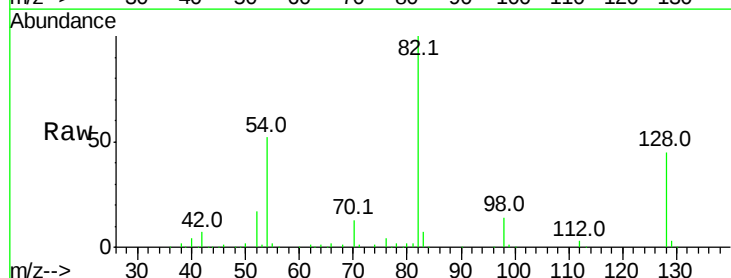
Instrument :  
BNA\_G  
ClientSampleId :

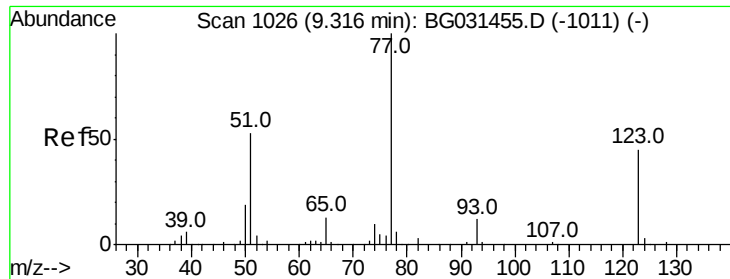
Tot Ion:105 Resp: 55  
Ion Ratio Lower Upper  
105 100  
71 0.0 3.0 4.4#  
51 0.0 26.1 39.1#  
120 0.0 17.4 26.2#



#23  
Nitrobenzene-d5  
Concen: 95.599 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Tgt Ion: 82 Resp: 330584  
Ion Ratio Lower Upper  
82 100  
128 44.7 29.7 44.5#  
54 52.3 43.1 64.7

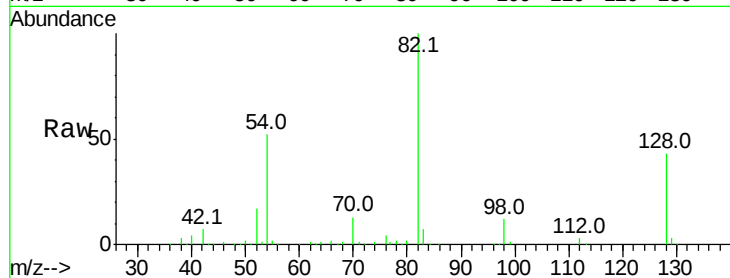




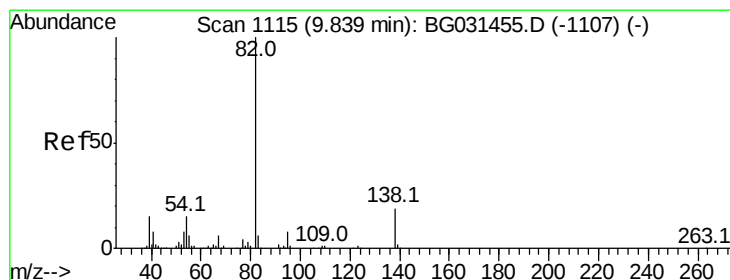
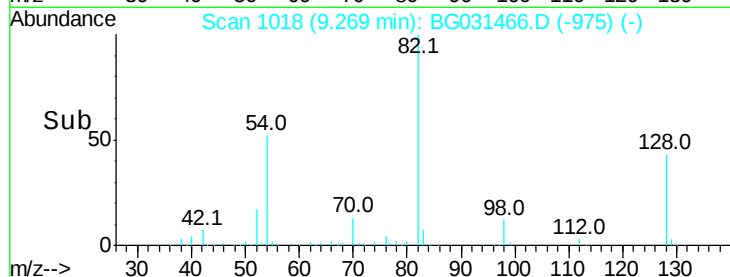
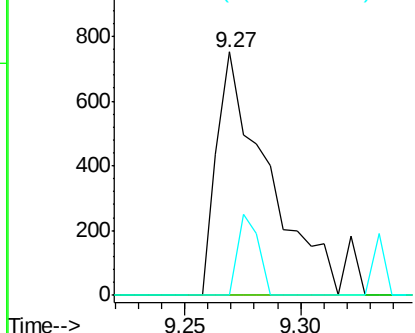
#24  
Nitrobenzene  
Concen: 0.325 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. -0.05 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 77 Resp: 1150  
Ion Ratio Lower Upper  
77 100  
123 0.0 33.0 49.6#  
65 0.0 13.0 19.6#

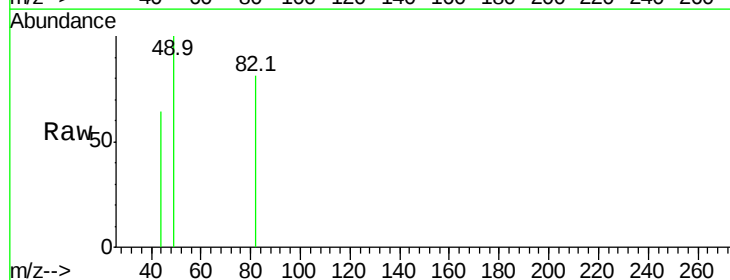


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC

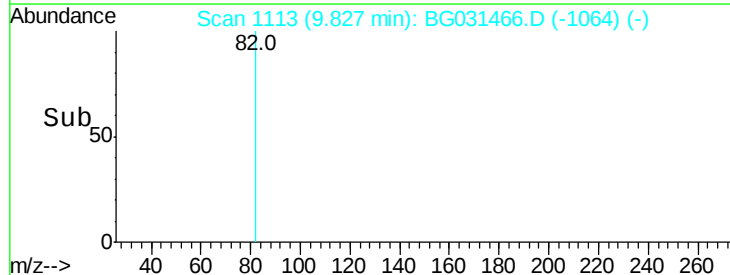
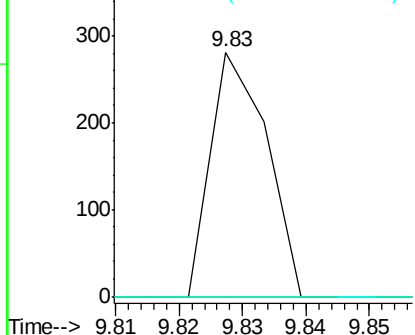


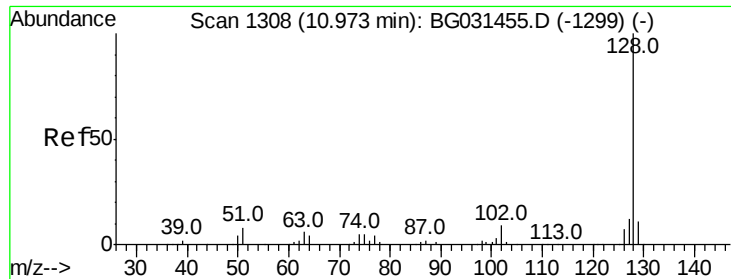
#25  
Isophorone  
Concen: 0.026 ng  
RT: 9.83 min Scan# 1113  
Delta R.T. -0.01 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Tgt Ion: 82 Resp: 170  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC

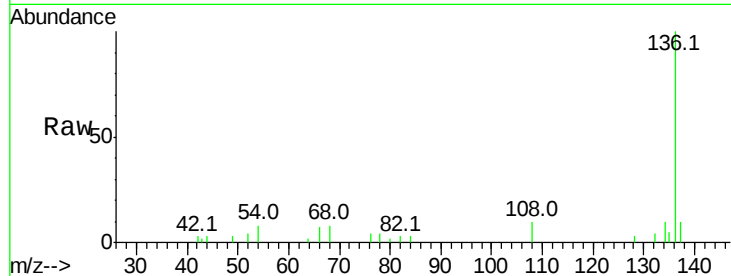




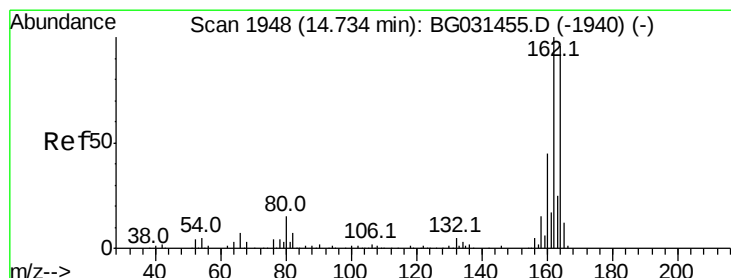
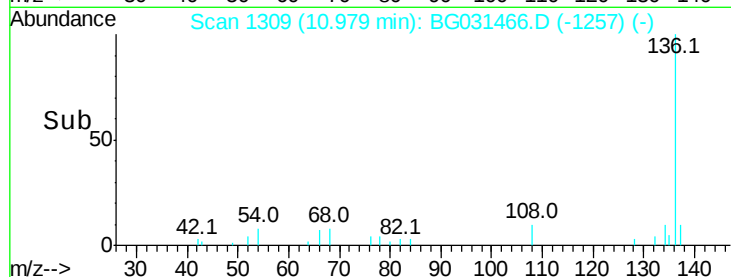
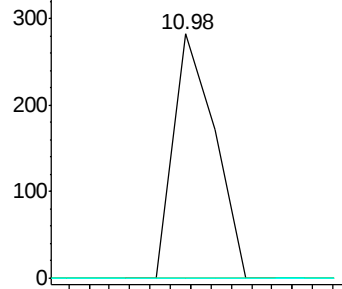
#31  
Naphthalene  
Concen: 0.015 ng  
RT: 10.98 min Scan# 1309  
Delta R.T. 0.01 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 160  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.6 12.8#  
127 0.0 11.6 17.4#

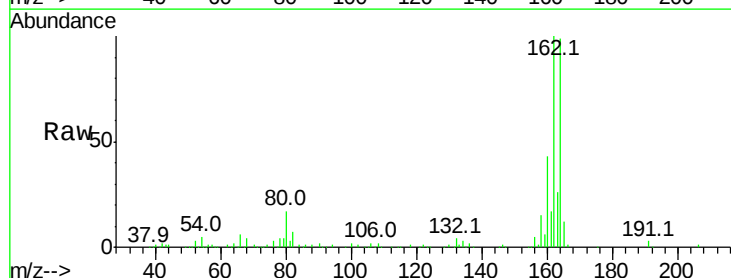


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

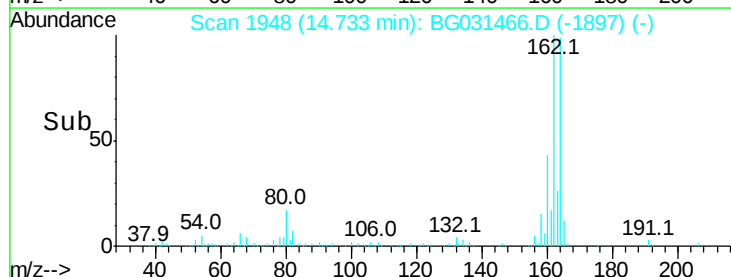
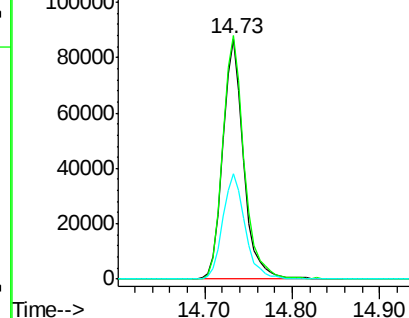


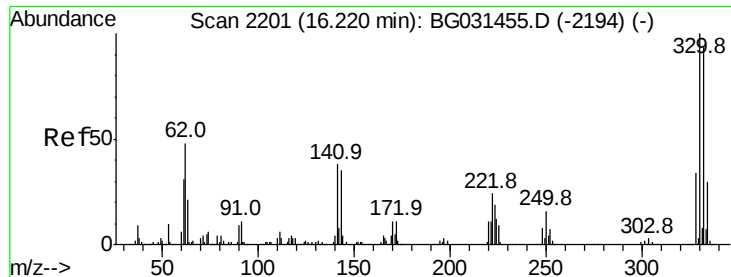
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. -0.00 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Tgt Ion:164 Resp: 143082  
Ion Ratio Lower Upper  
164 100  
162 101.4 78.8 118.2  
160 43.8 35.4 53.0



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

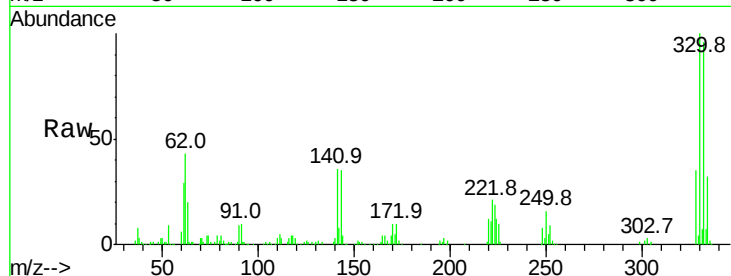




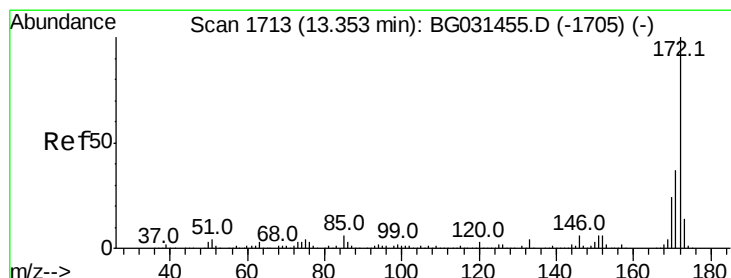
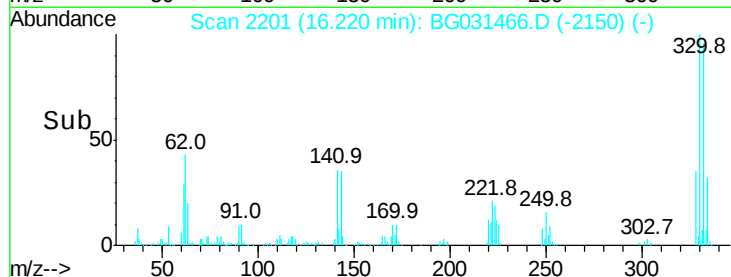
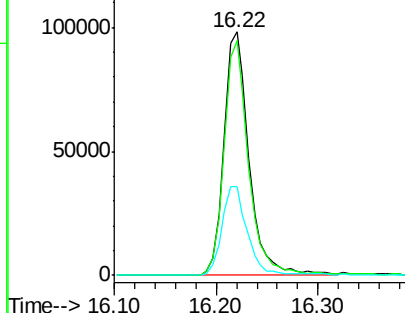
#41  
 2,4,6-Tribromophenol  
 Concen: 100.407 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.00 min  
 Lab File: BG031466.D  
 Acq: 11 Dec 2017 21:44

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 77.0  | 115.6 |
| 141     | 37.0  | 25.2  | 37.8  |

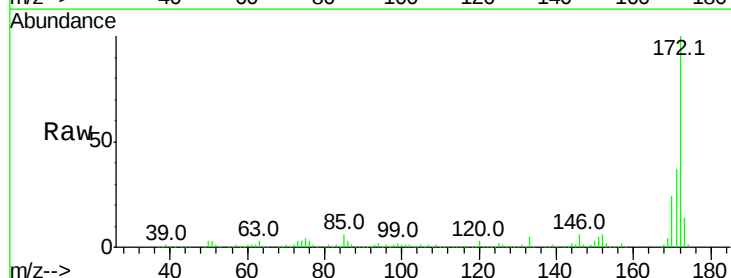


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

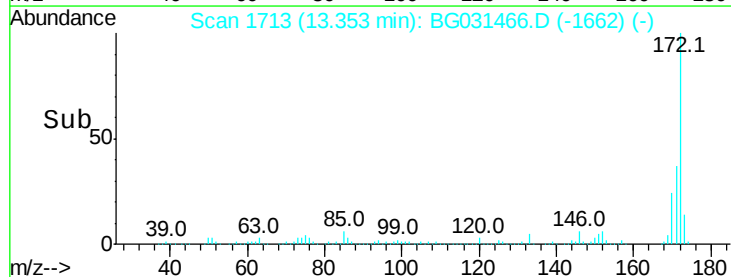
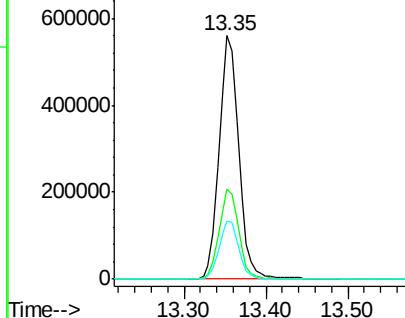


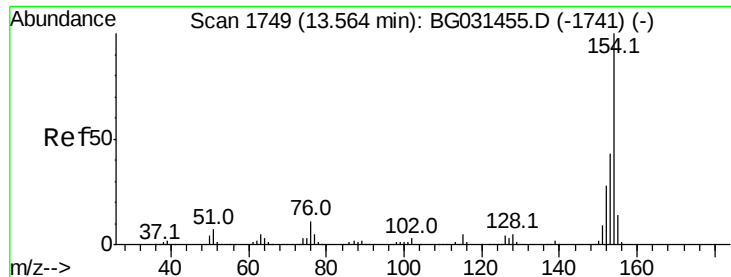
#44  
 2-Fluorobiphenyl  
 Concen: 96.571 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.00 min  
 Lab File: BG031466.D  
 Acq: 11 Dec 2017 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 30.0  | 45.0  |
| 170     | 24.0  | 19.5  | 29.3  |



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





#45

1,1'-Biphenyl

Concen: 0.154 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.21 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

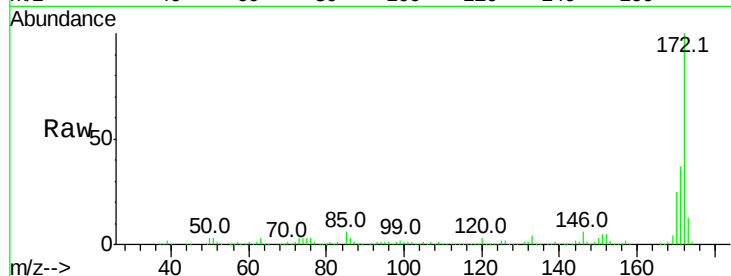
Tot Ion:154 Resp: 1814

Ion Ratio Lower Upper

154 100

153 725.2 19.8 59.8#

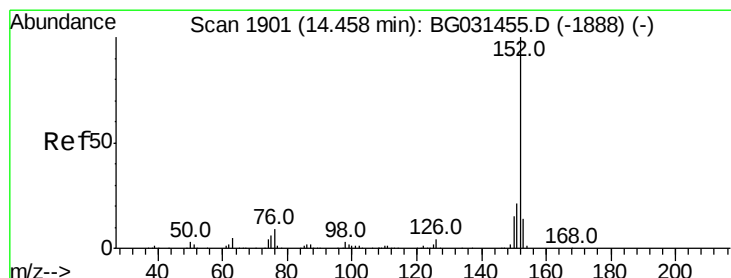
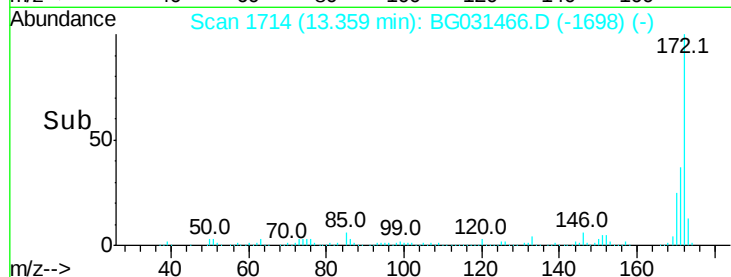
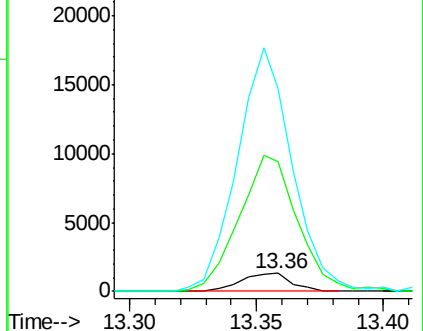
76 1141.2 0.0 31.9#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#48

Acenaphthylene

Concen: 0.004 ng

RT: 14.71 min Scan# 1944

Delta R.T. 0.25 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

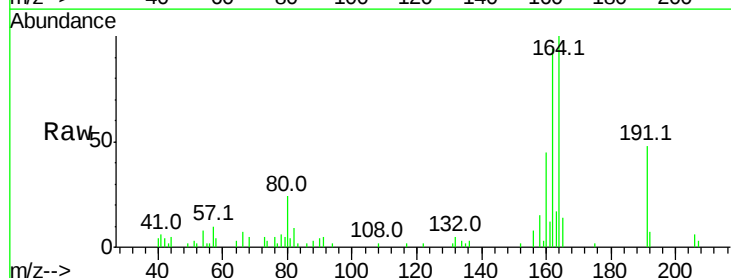
Tgt Ion:152 Resp: 53

Ion Ratio Lower Upper

152 100

151 0.0 17.2 25.8#

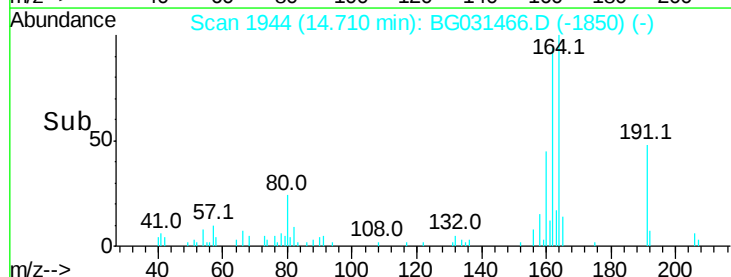
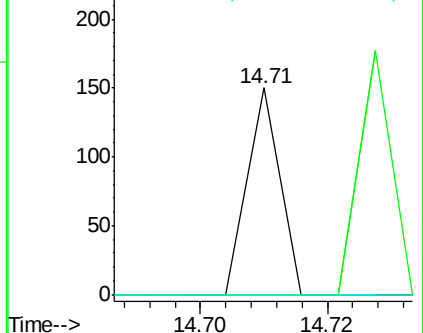
153 0.0 10.2 15.4#

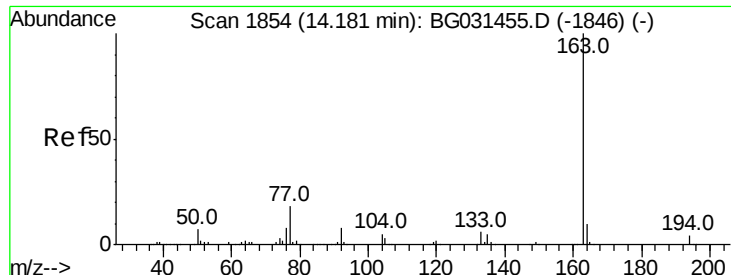


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 0.468 ng

RT: 14.20 min Scan# 1857

Delta R.T. 0.02 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

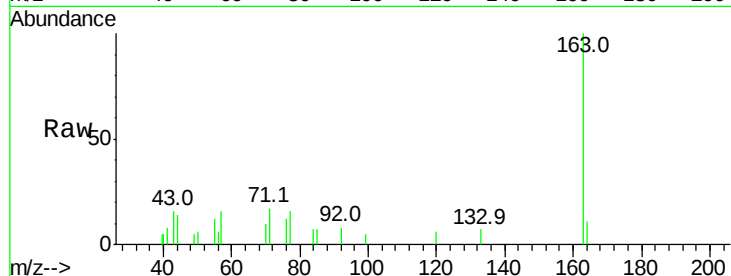
Tot Ion:163 Resp: 5549

Ion Ratio Lower Upper

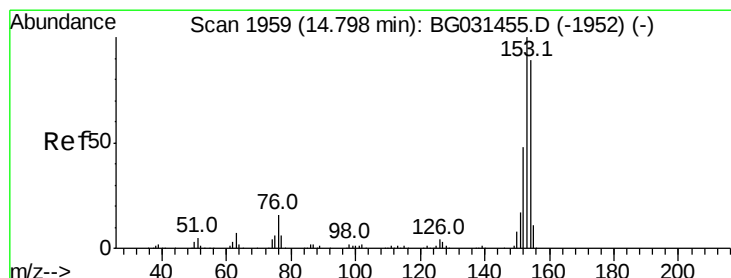
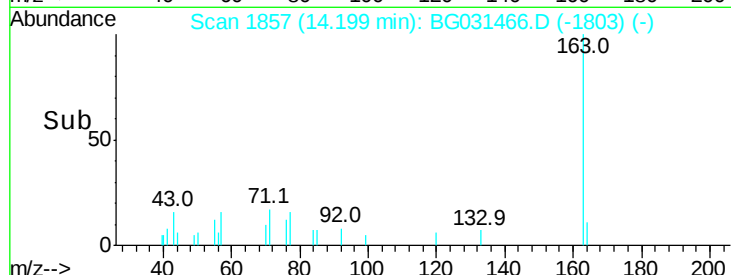
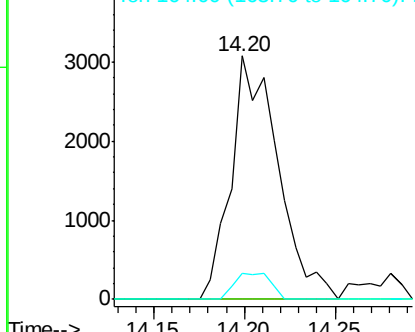
163 100

194 0.0 3.4 5.2#

164 10.8 8.2 12.4



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



#51

Acenaphthene

Concen: 0.043 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.06 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

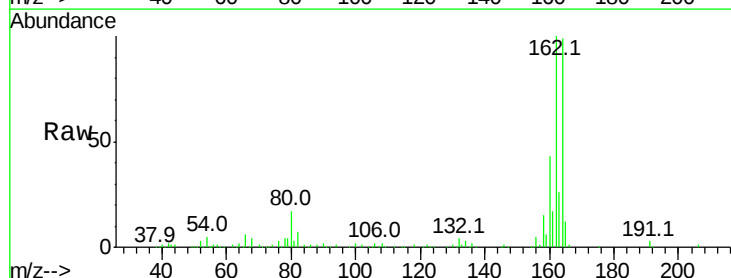
Tgt Ion:154 Resp: 380

Ion Ratio Lower Upper

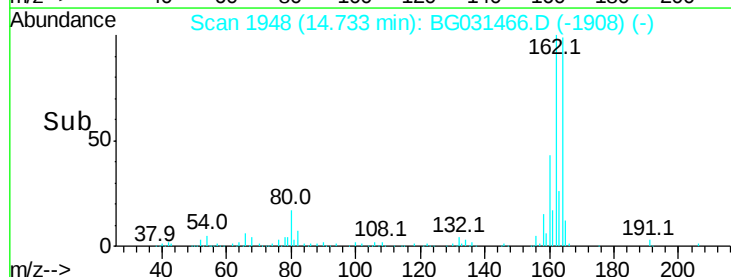
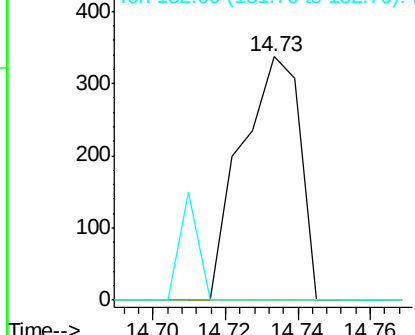
154 100

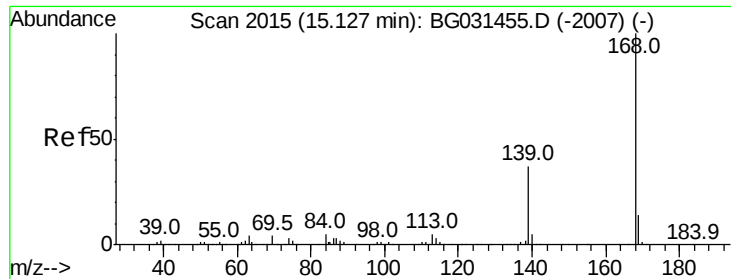
153 0.0 90.4 135.6#

152 0.0 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 0.010 ng

RT: 15.16 min Scan# 2021

Delta R.T. 0.04 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

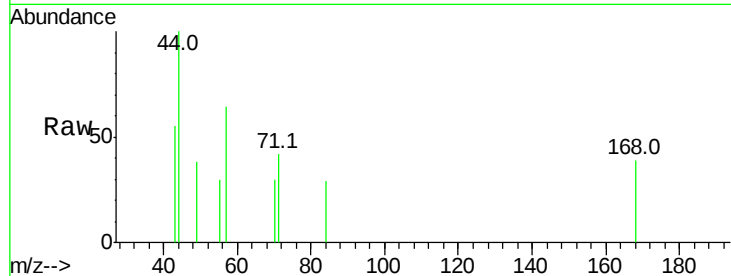
Tot Ion:168 Resp: 139

Ion Ratio Lower Upper

168 100

139 0.0 28.6 43.0#

169 0.0 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

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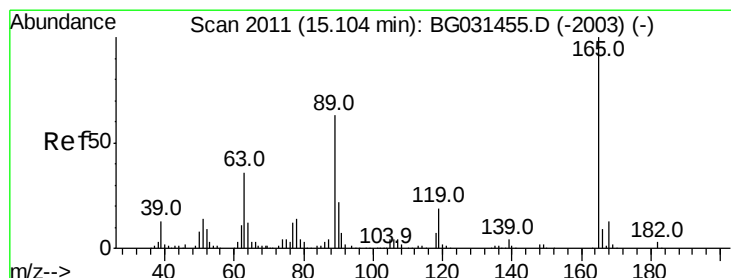
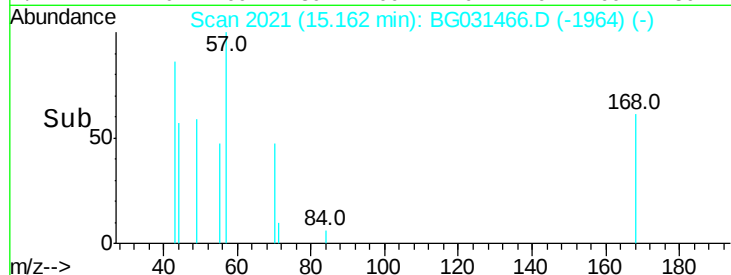
15.16

15.16

15.16

15.16

15.16



#56

2,4-Dinitrotoluene

Concen: 0.016 ng

RT: 15.22 min Scan# 2031

Delta R.T. 0.12 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Tgt Ion:165 Resp: 56

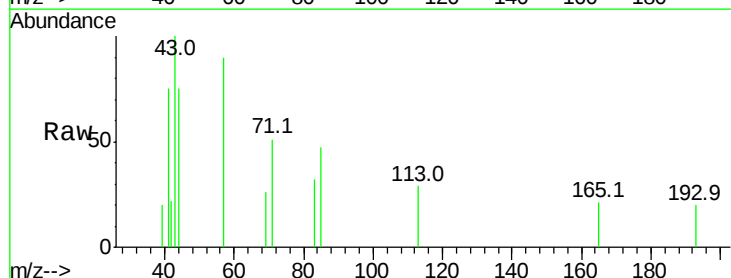
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.22

15.22

15.22

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15.22

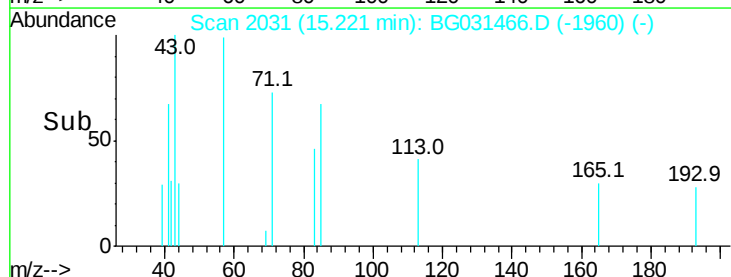
15.22

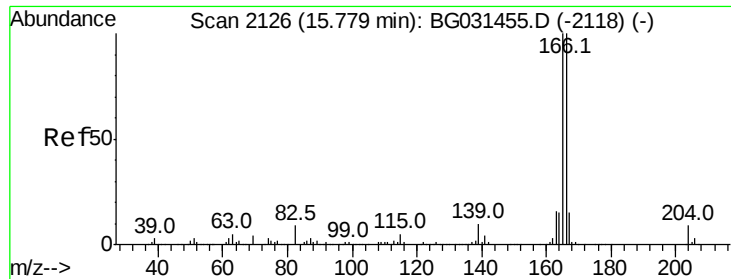
15.22

15.22

15.22

15.22





#57

Fluorene

Concen: 0.014 ng

RT: 15.79 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

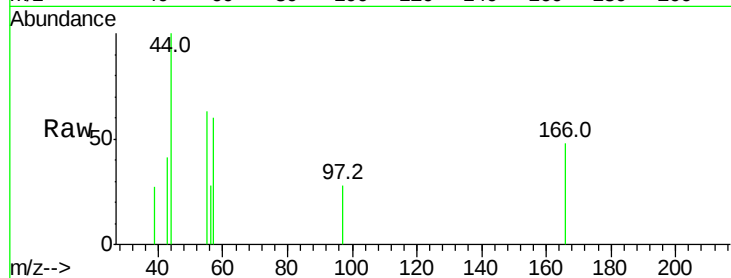
Tot Ion:166 Resp: 158

Ion Ratio Lower Upper

166 100

165 0.0 80.6 121.0#

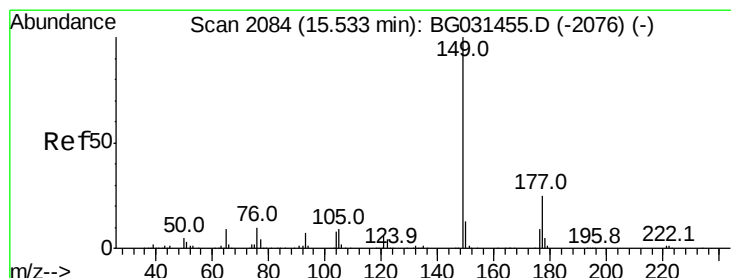
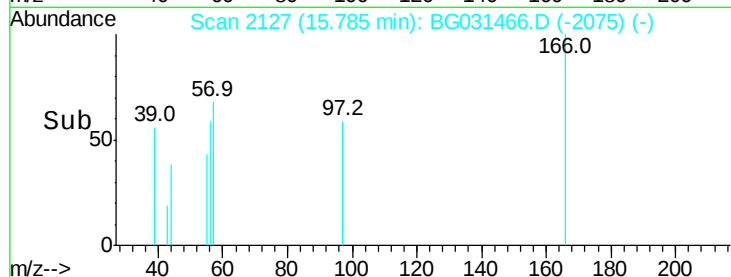
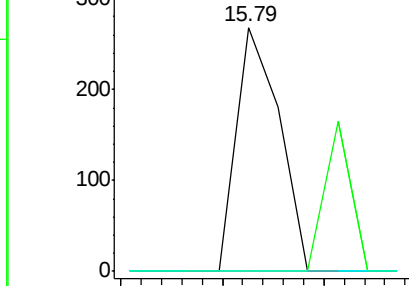
167 0.0 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.198 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

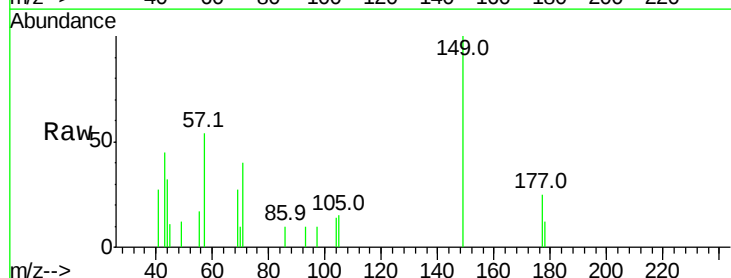
Tgt Ion:149 Resp: 2347

Ion Ratio Lower Upper

149 100

177 25.2 18.5 27.7

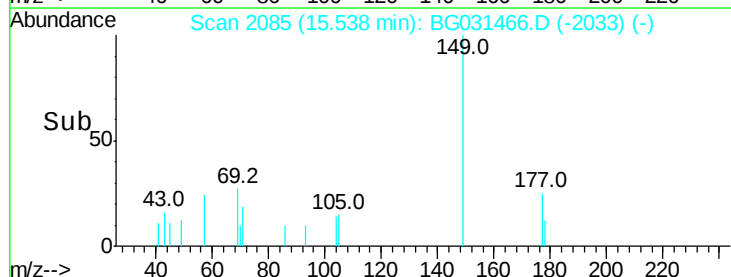
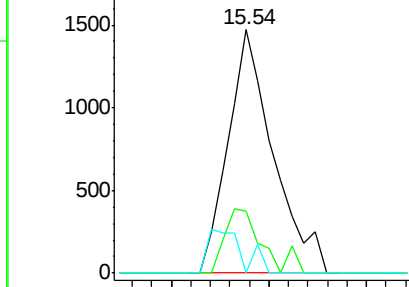
150 0.0 10.2 15.2#

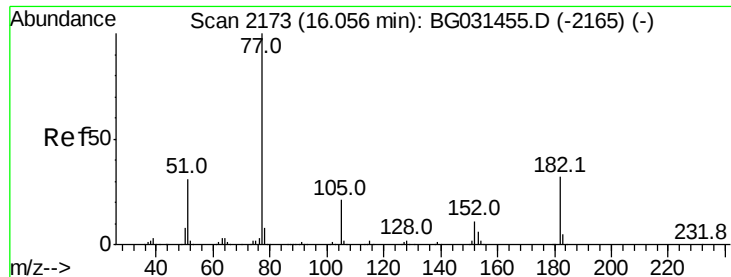


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.006 ng

RT: 16.04 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 61

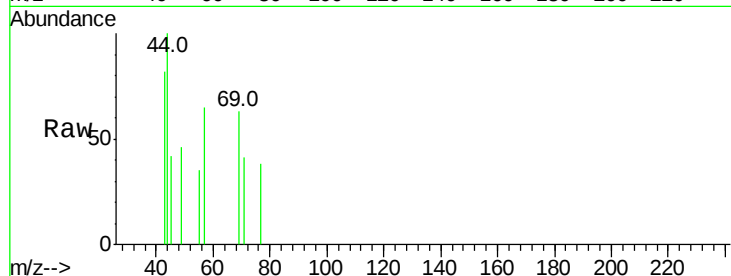
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 0.0 0.3 40.3#

51 0.0 11.6 51.6#



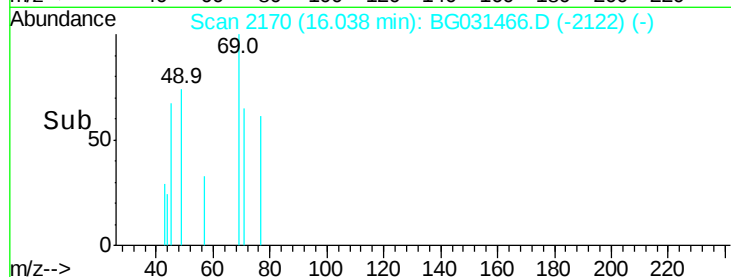
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

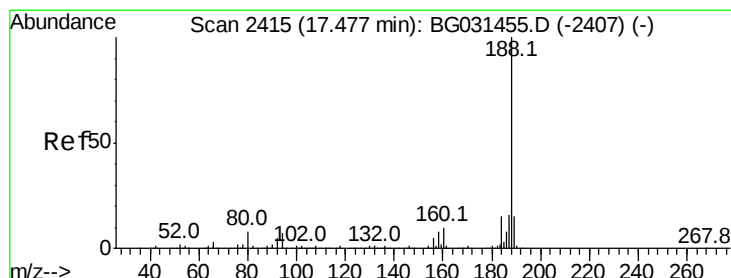
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

16.04



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

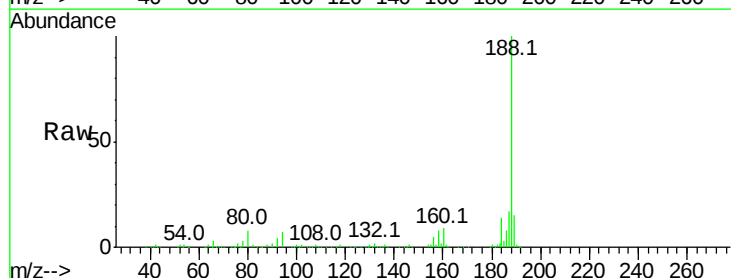
Tgt Ion: 188 Resp: 384974

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

80 7.9 7.7 11.5

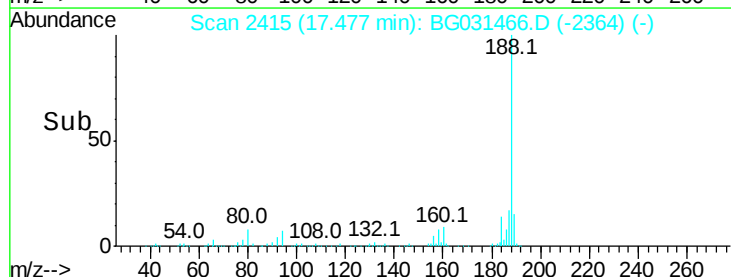


Abundance Ion 188.00 (187.70 to 188.70): BGC

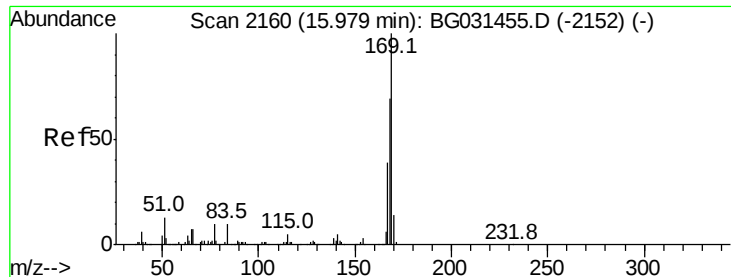
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.48



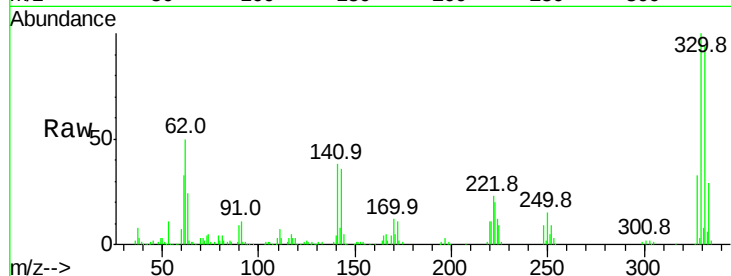
Time-->



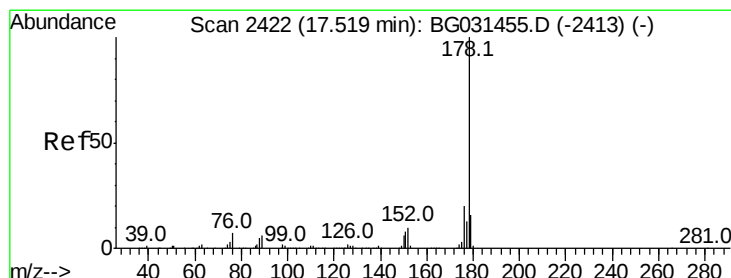
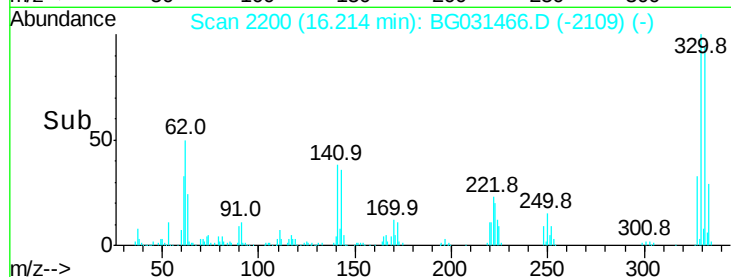
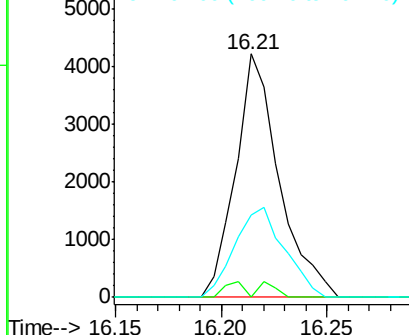
#65  
 n-Nitrosodiphenylamine  
 Concen: 0.534 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. 0.23 min  
 Lab File: BG031466.D  
 Acq: 11 Dec 2017 21:44

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:169 Resp: 6020  
 Ion Ratio Lower Upper  
 169 100  
 168 0.0 55.7 83.5#  
 167 34.0 30.1 45.1

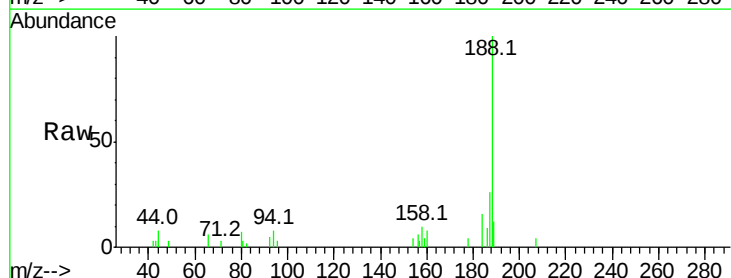


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

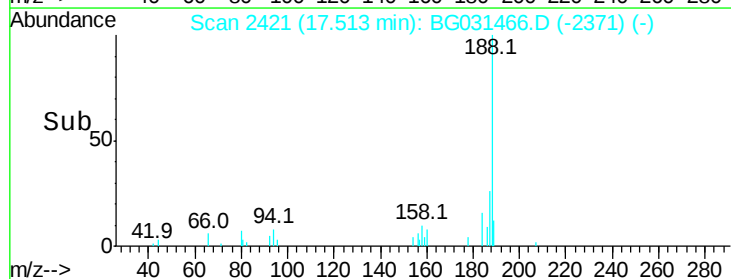
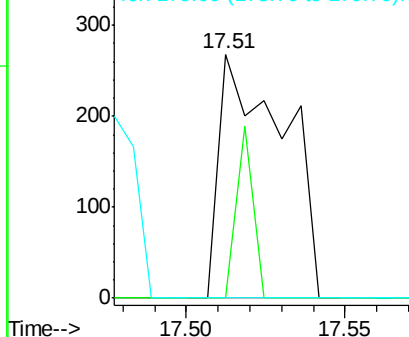


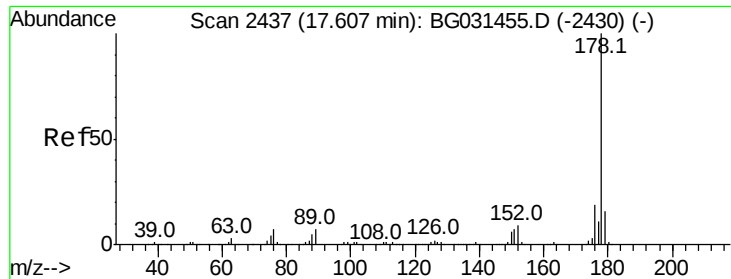
#70  
 Phenanthrene  
 Concen: 0.019 ng  
 RT: 17.51 min Scan# 2421  
 Delta R.T. -0.01 min  
 Lab File: BG031466.D  
 Acq: 11 Dec 2017 21:44

Tgt Ion:178 Resp: 378  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 15.7 23.5#  
 179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.005 ng

RT: 17.64 min Scan# 2443

Delta R.T. 0.04 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

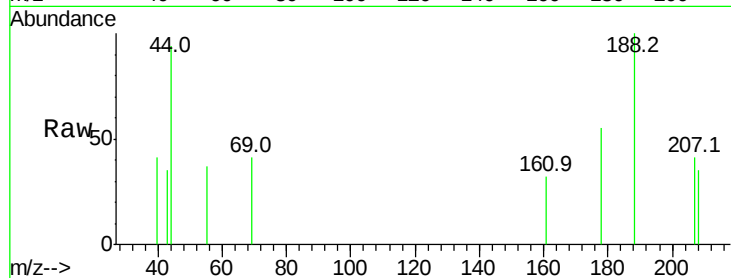
Tot Ion:178 Resp: 92

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

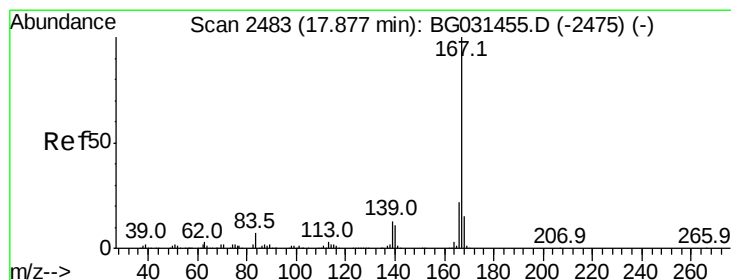
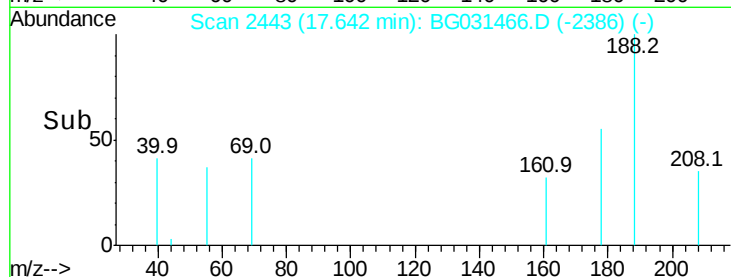
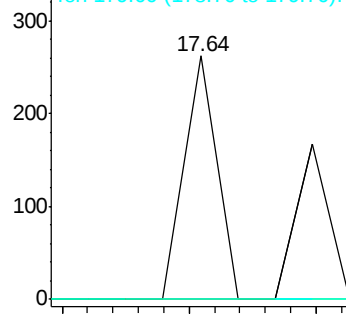
179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.003 ng

RT: 17.77 min Scan# 2464

Delta R.T. -0.11 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

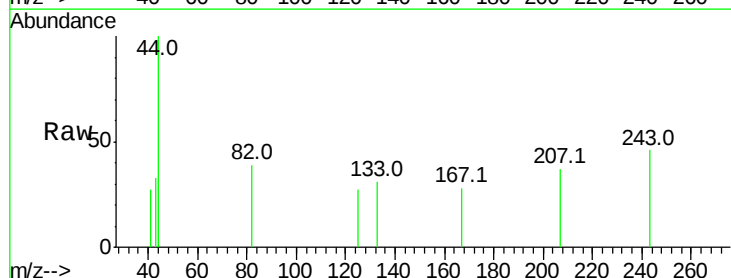
Tgt Ion:167 Resp: 56

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

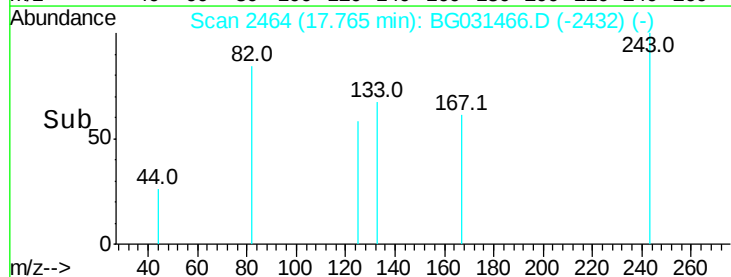
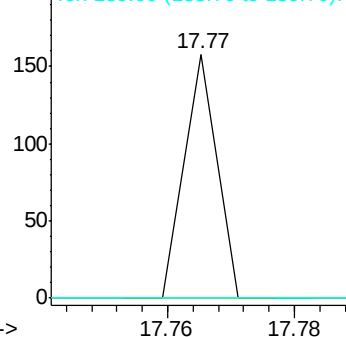
139 0.0 9.4 14.2#

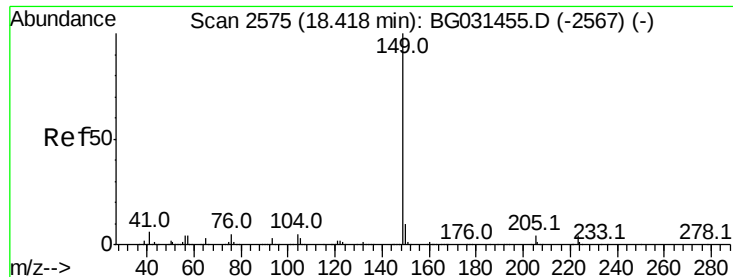


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

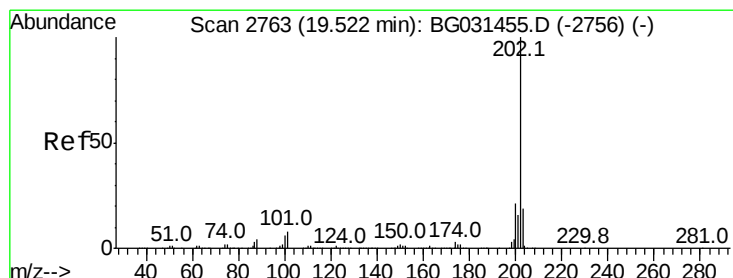
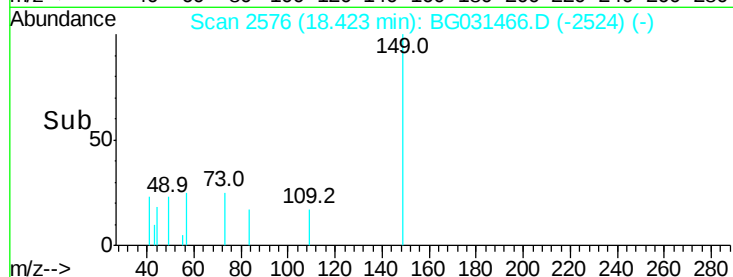
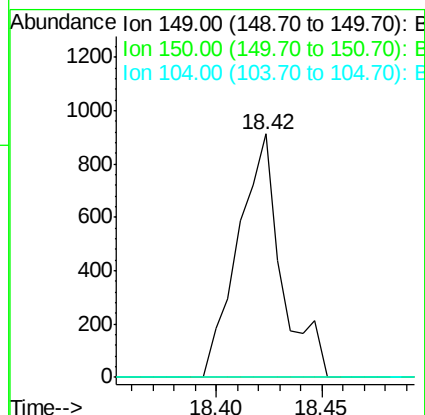
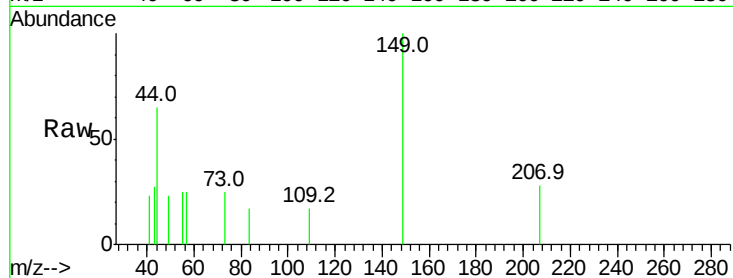




#73  
Di-n-butylphthalate  
Concen: 0.063 ng  
RT: 18.42 min Scan# 2576  
Delta R.T. 0.01 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

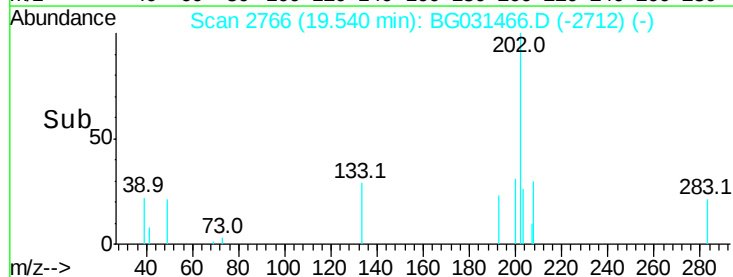
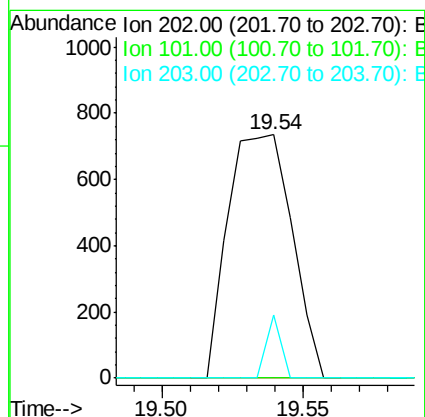
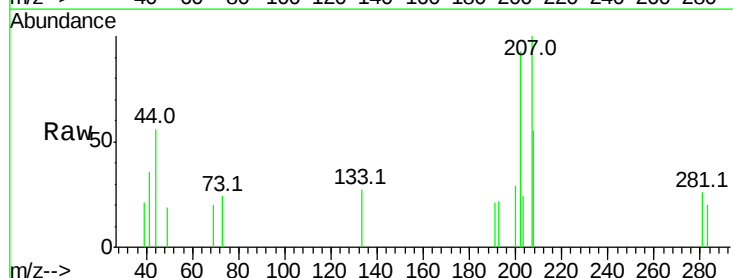
Instrument :  
BNA\_G  
ClientSampleId :

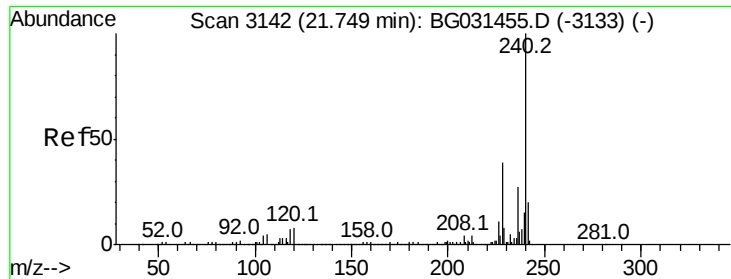
Tot Ion:149 Resp: 1302  
Ion Ratio Lower Upper  
149 100  
150 0.0 7.8 11.6#  
104 0.0 3.9 5.9#



#74  
Fluoranthene  
Concen: 0.046 ng  
RT: 19.54 min Scan# 2766  
Delta R.T. 0.02 min  
Lab File: BG031466.D  
Acq: 11 Dec 2017 21:44

Tgt Ion:202 Resp: 1153  
Ion Ratio Lower Upper  
202 100  
101 0.0 0.0 28.9  
203 25.8 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

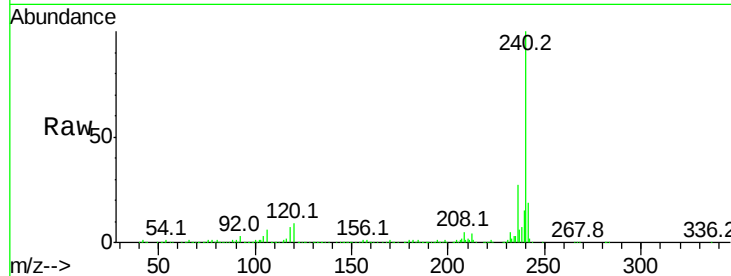
Tot Ion:240 Resp: 474260

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

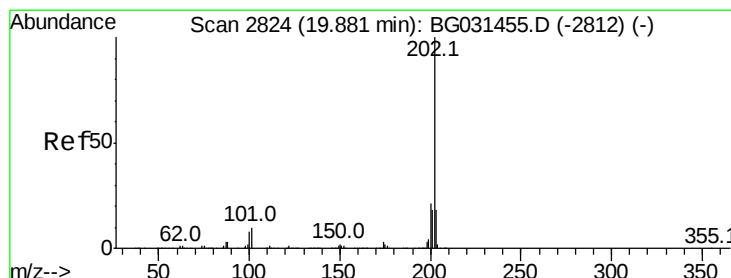
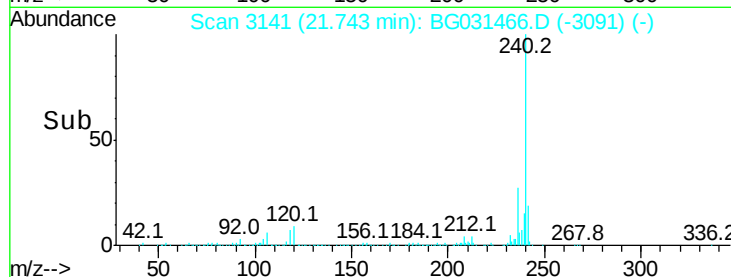
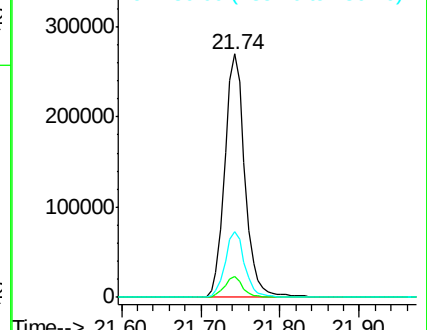
236 26.9 20.9 31.3



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



#77

Pyrene

Concen: 0.065 ng

RT: 19.89 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

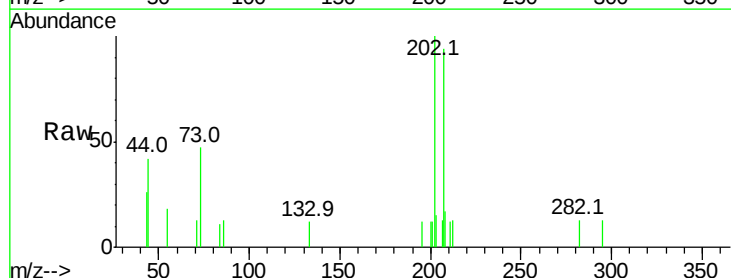
Tgt Ion:202 Resp: 1928

Ion Ratio Lower Upper

202 100

200 12.2 16.9 25.3#

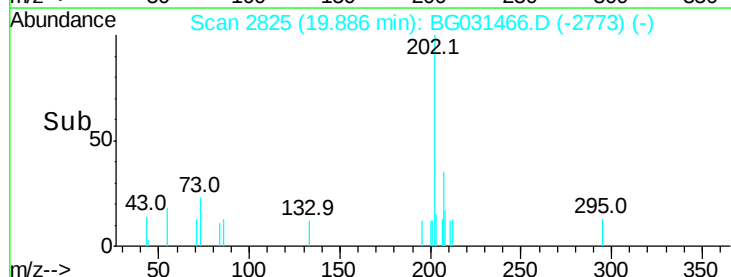
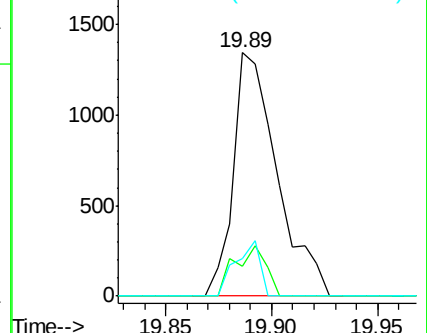
203 15.5 13.9 20.9

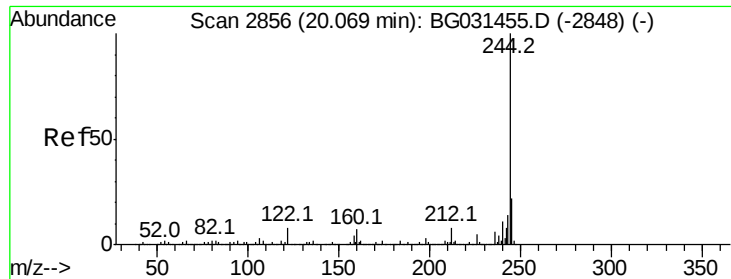


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.180 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

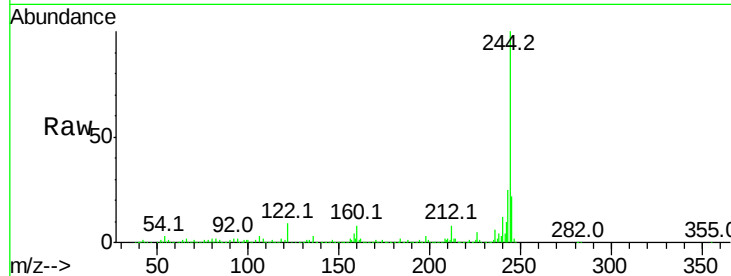
Tot Ion:244 Resp: 1754741

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

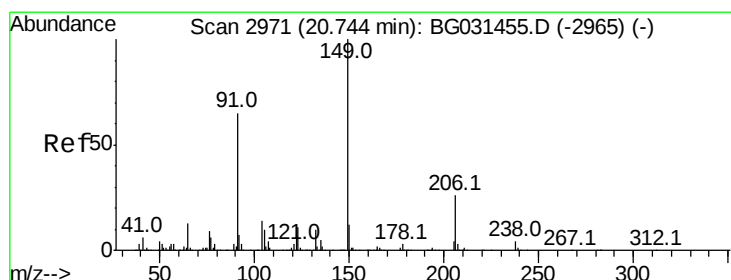
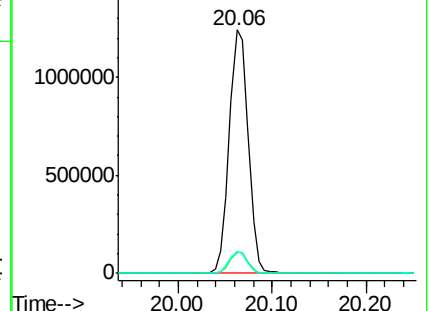
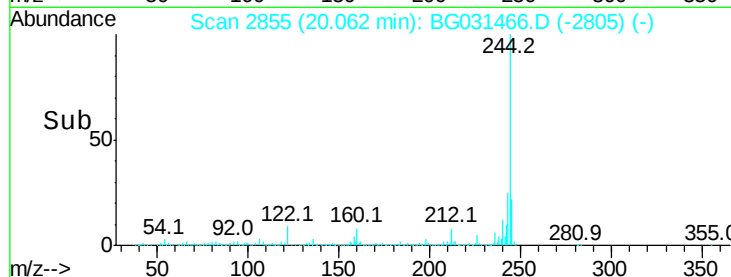
122 9.1 7.0 10.4



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



#79

Butylbenzylphthalate

Concen: 0.016 ng

RT: 20.74 min Scan# 2971

Delta R.T. -0.00 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

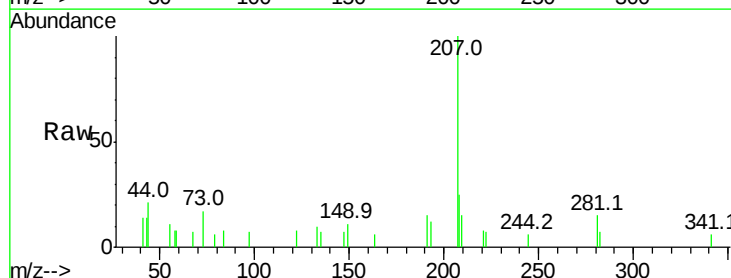
Tgt Ion:149 Resp: 161

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

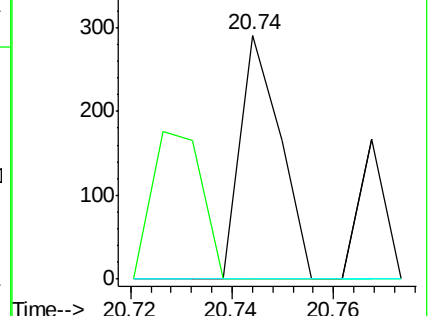
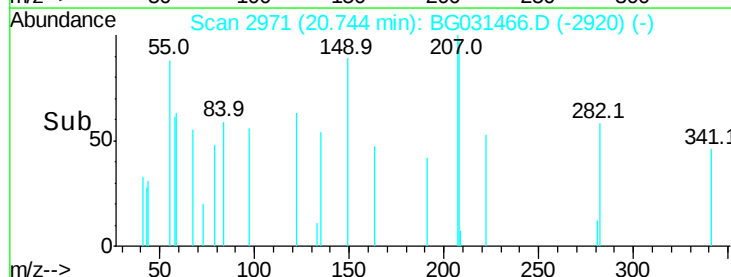
206 0.0 18.6 27.8#

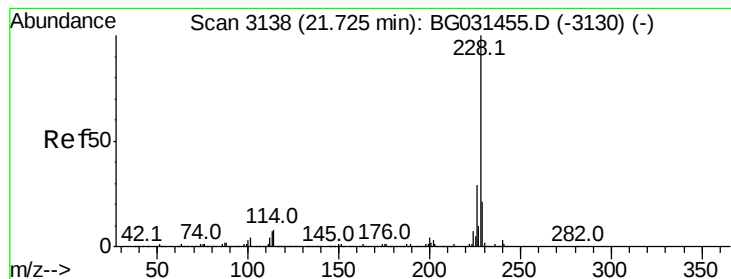


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.060 ng

RT: 21.74 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampled :

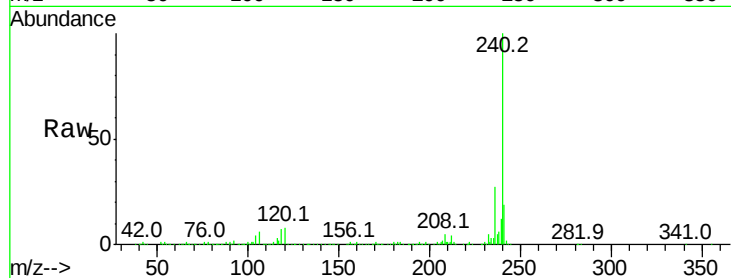
Tot Ion:228 Resp: 1715

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

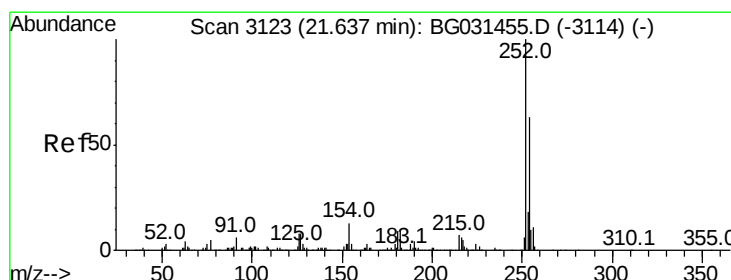
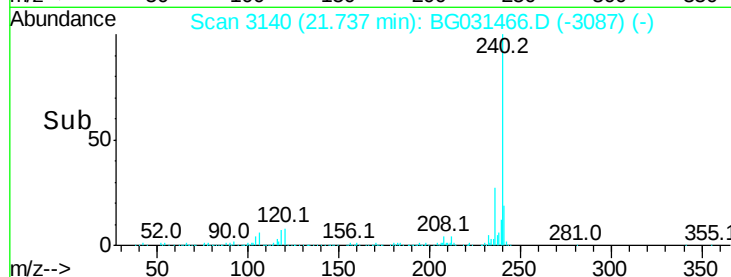
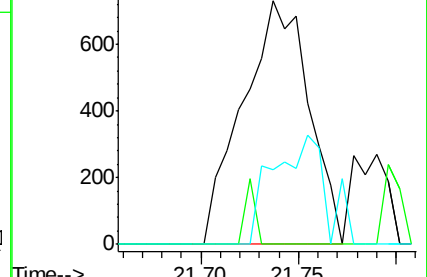
229 30.7 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.006 ng

RT: 21.88 min Scan# 3165

Delta R.T. 0.25 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

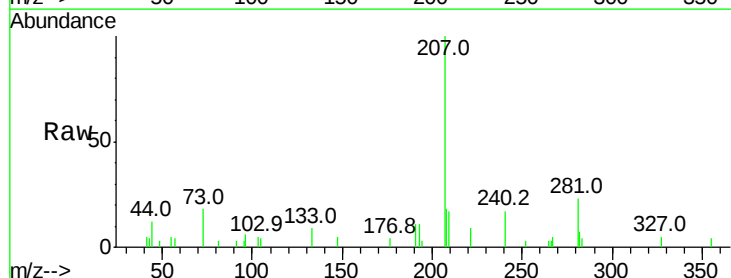
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

254 0.0 50.8 76.2#

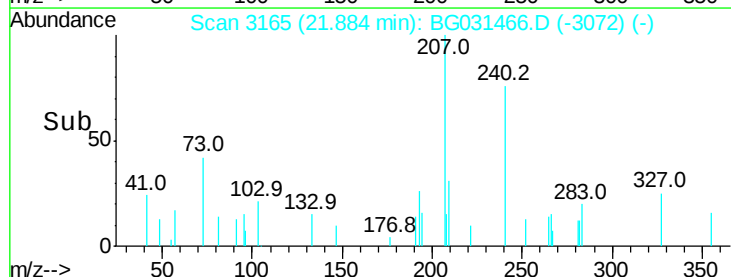
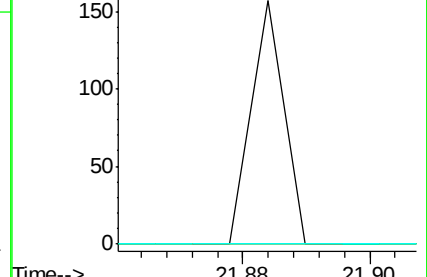
126 0.0 7.4 11.2#

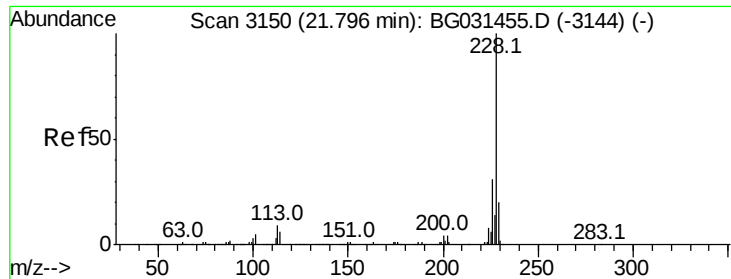


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.012 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampled :

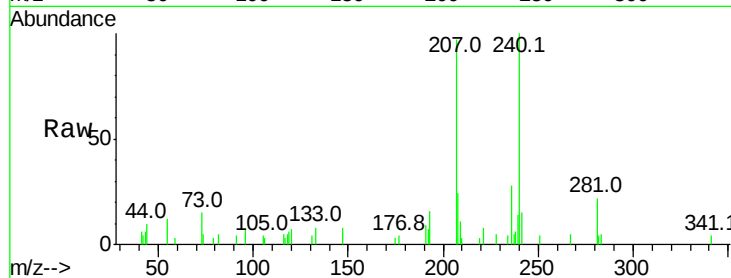
Tot Ion:228 Resp: 330

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

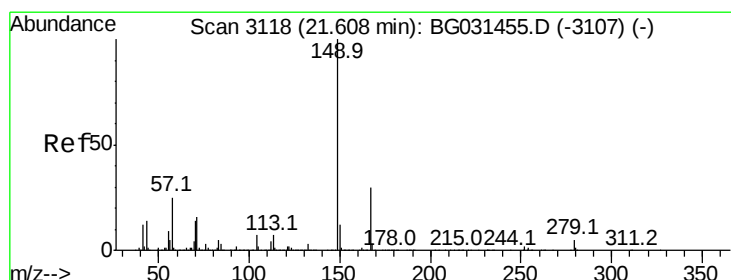
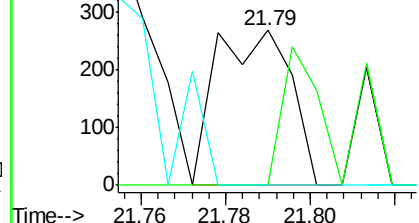
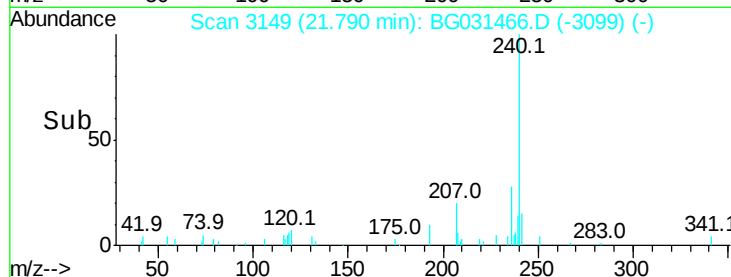
229 0.0 15.0 22.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.113 ng

RT: 21.61 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

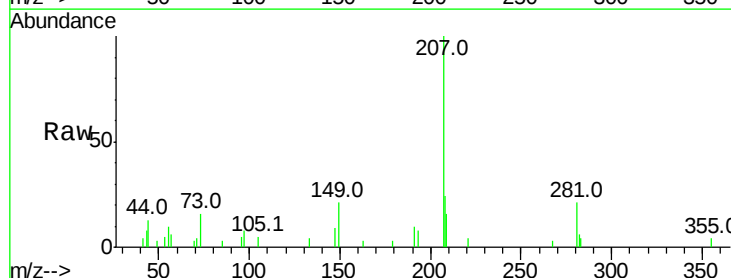
Tgt Ion:149 Resp: 1684

Ion Ratio Lower Upper

149 100

167 0.0 24.3 36.5#

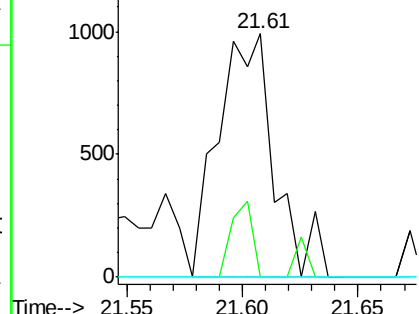
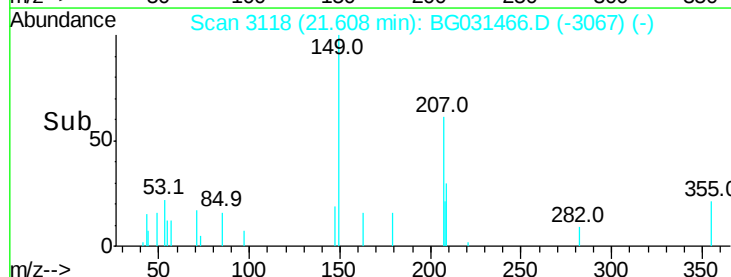
279 0.0 4.0 6.0#

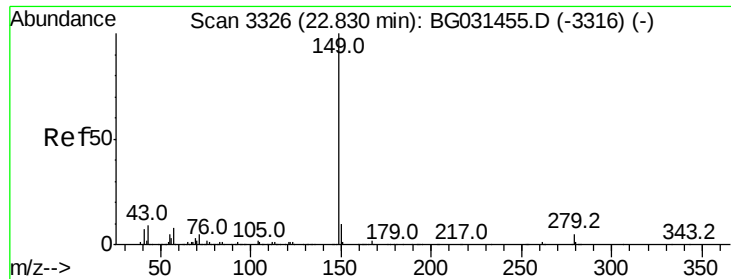


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.006 ng

RT: 22.81 min Scan# 3323

Delta R.T. -0.02 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

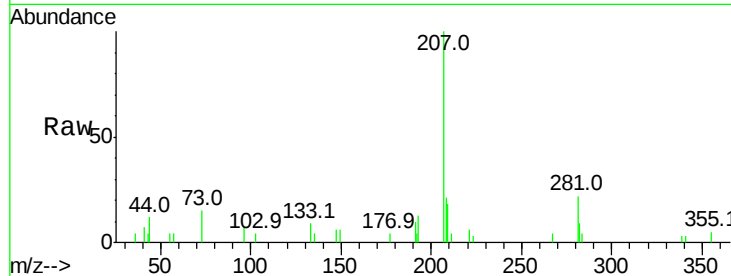
Tot Ion:149 Resp: 157

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

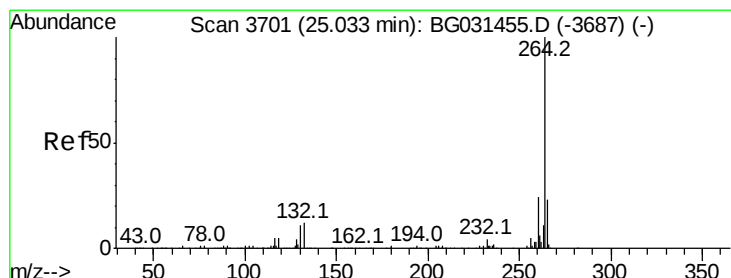
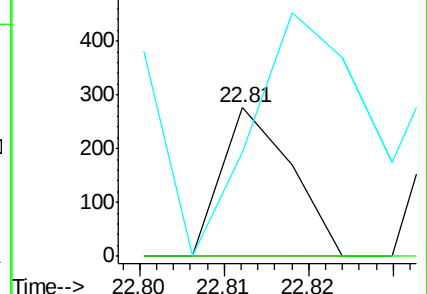
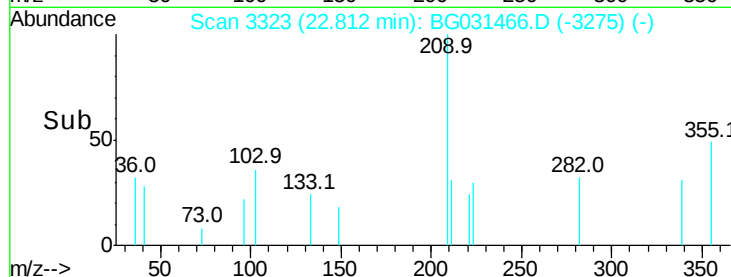
43 266.9 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3699

Delta R.T. -0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

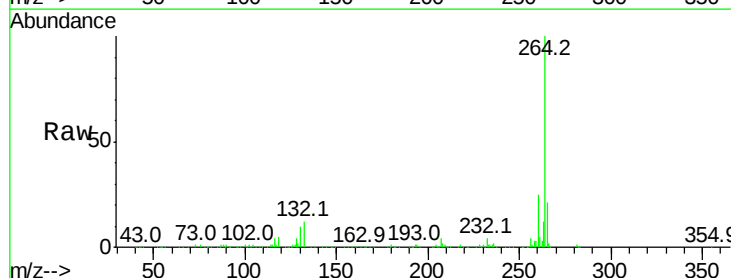
Tgt Ion:264 Resp: 444072

Ion Ratio Lower Upper

264 100

260 24.8 17.4 26.0

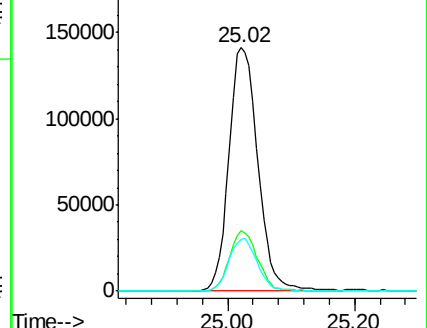
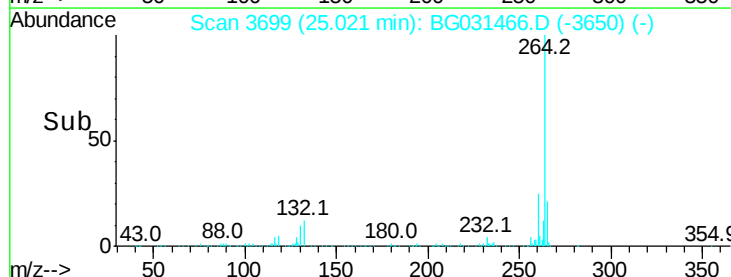
265 21.2 17.7 26.5

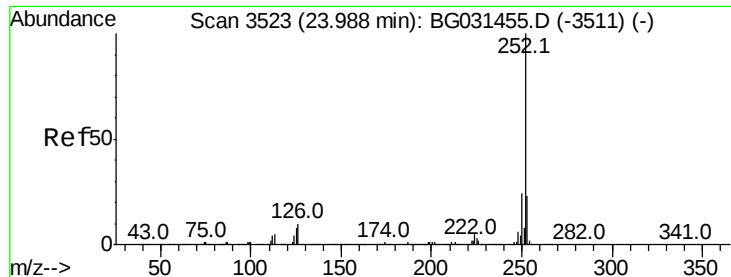


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.014 ng

RT: 24.00 min Scan# 3526

Delta R.T. 0.02 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

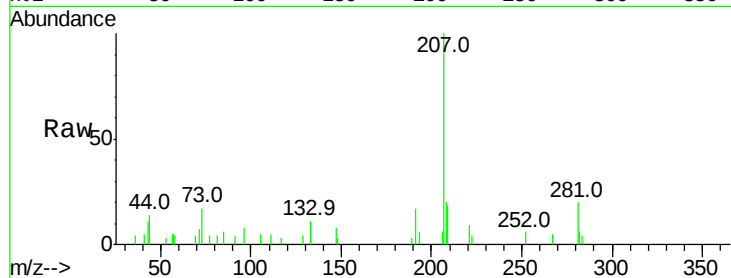
Tot Ion:252 Resp: 363

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.4#

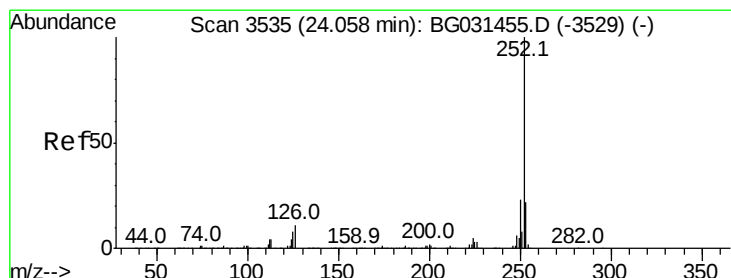
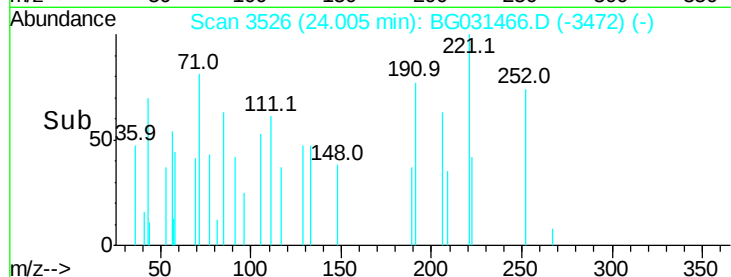
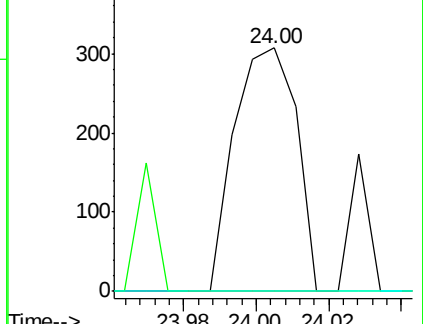
125 0.0 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 24.06 min Scan# 3536

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

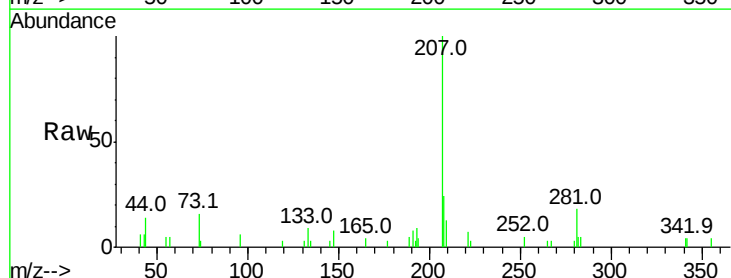
Tgt Ion:252 Resp: 86

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

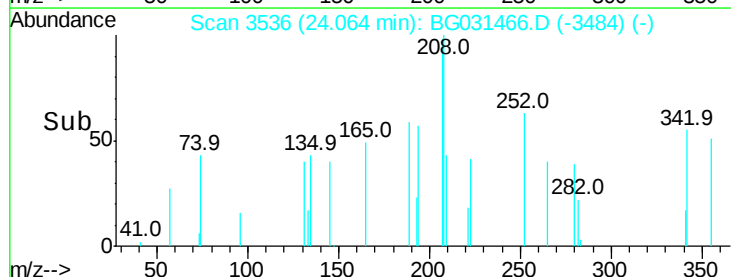
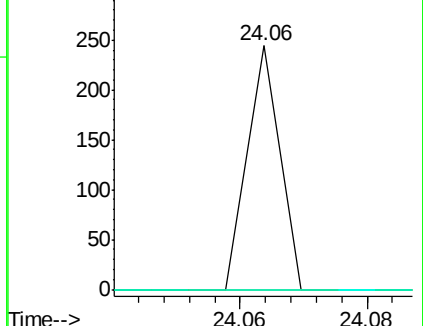
125 0.0 6.6 9.8#

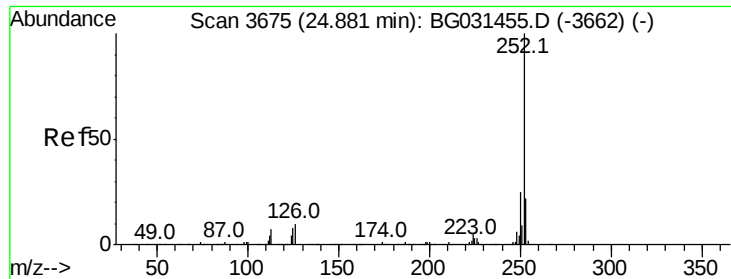


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.006 ng

RT: 24.89 min Scan# 3677

Delta R.T. 0.01 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

Instrument :

BNA\_G

ClientSampleId :

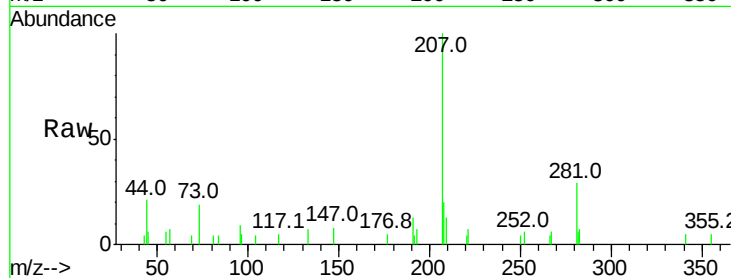
Tot Ion:252 Resp: 149

Ion Ratio Lower Upper

252 100

253 0.0 18.3 27.5#

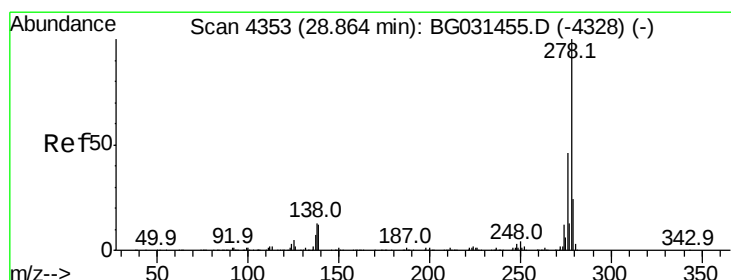
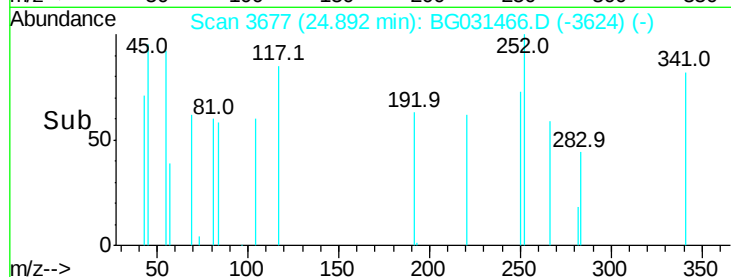
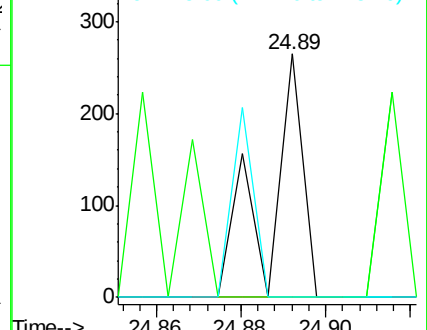
125 0.0 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 28.89 min Scan# 4357

Delta R.T. 0.02 min

Lab File: BG031466.D

Acq: 11 Dec 2017 21:44

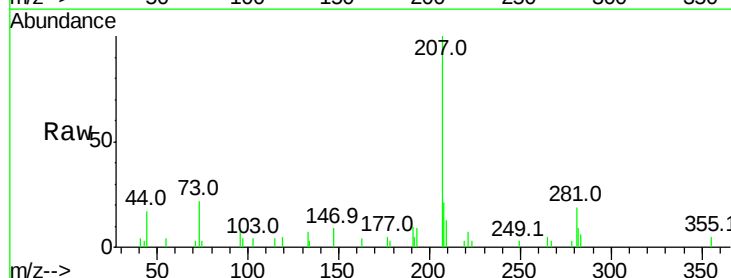
Tgt Ion:278 Resp: 54

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

279 0.0 18.4 27.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

