

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062419\  
 Data File : BG041434.D  
 Acq On : 24 Jun 2019 23:08  
 Operator : HP/JU  
 Sample : K3499-02  
 Misc : MDL-WATER-8.0PPM  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-2(11-12)

Quant Time: Jun 25 05:09:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 14:58:02 2019  
 Response via : Initial Calibration

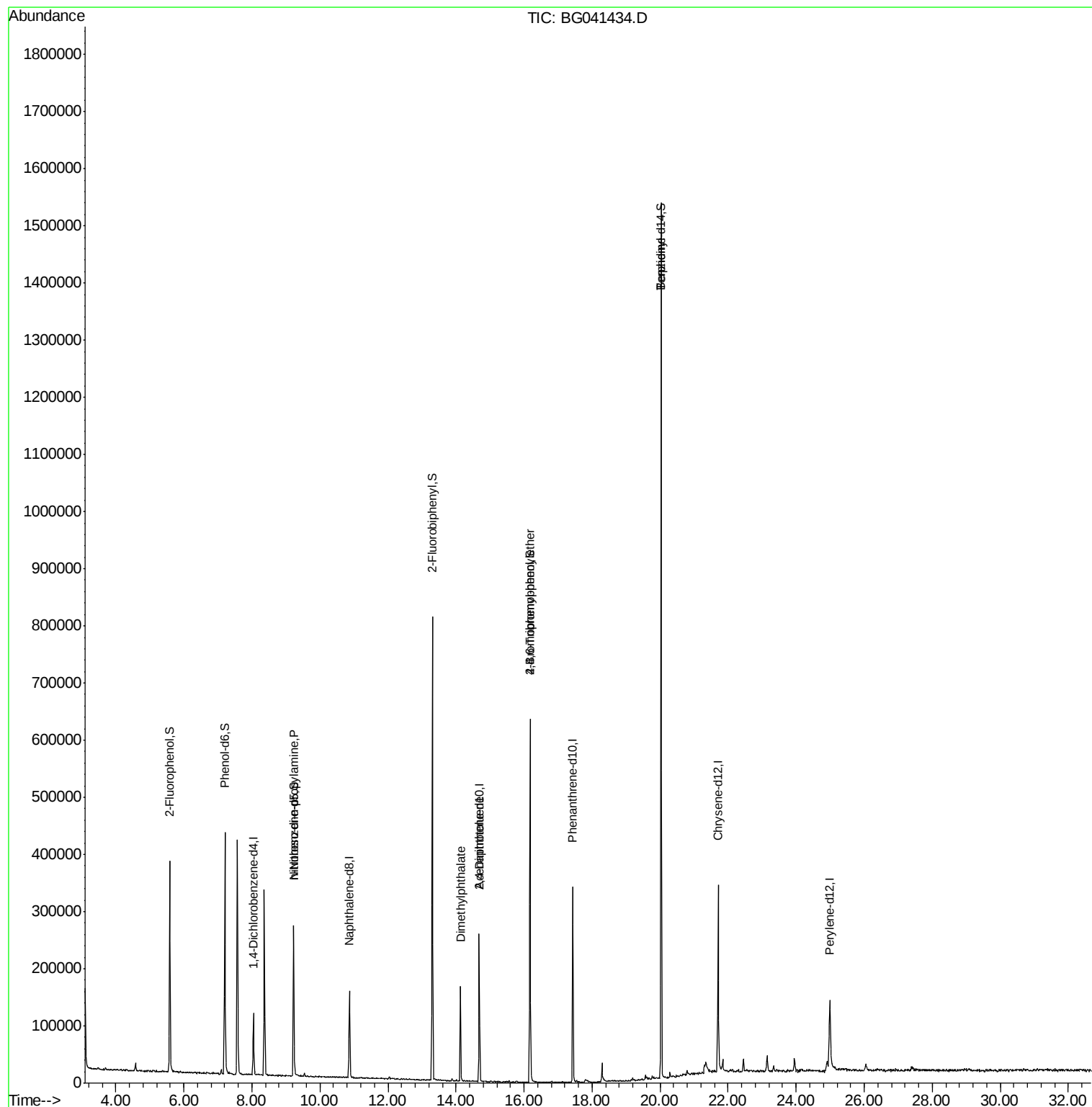
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.04  | 152  | 30820    | 20.00  | ng    | -0.04       |
| 21) Naphthalene-d8             | 10.86 | 136  | 124842   | 20.00  | ng    | -0.04       |
| 39) Acenaphthene-d10           | 14.68 | 164  | 93194    | 20.00  | ng    | -0.04       |
| 64) Phenanthrene-d10           | 17.43 | 188  | 223017   | 20.00  | ng    | -0.03       |
| 76) Chrysene-d12               | 21.70 | 240  | 217197   | 20.00  | ng    | -0.04       |
| 87) Perylene-d12               | 24.99 | 264  | 171594   | 20.00  | ng    | -0.05       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.58  | 112  | 148680   | 88.64  | ng    | -0.04       |
| 7) Phenol-d6                   | 7.20  | 99   | 227669   | 93.64  | ng    | -0.03       |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 165186   | 55.65  | ng    | -0.04       |
| 42) 2,4,6-Tribromophenol       | 16.17 | 330  | 122400   | 85.55  | ng    | -0.03       |
| 45) 2-Fluorobiphenyl           | 13.30 | 172  | 418101   | 60.98  | ng    | -0.04       |
| 79) Terphenyl-d14              | 20.03 | 244  | 715374   | 65.27  | ng    | -0.03       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 22853    | 11.621 | ng    | Qvalue # 73 |
| 50) Dimethylphthalate          | 14.13 | 163  | 105720   | 12.750 | ng    | # 97        |
| 57) 2,4-Dinitrotoluene         | 14.68 | 165  | 12156    | 4.756  | ng    | # 21        |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 8437     | 2.926  | ng    | # 1         |
| 77) Benzidine                  | 20.03 | 184  | 11523    | 2.193  | ng    | # 95        |

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

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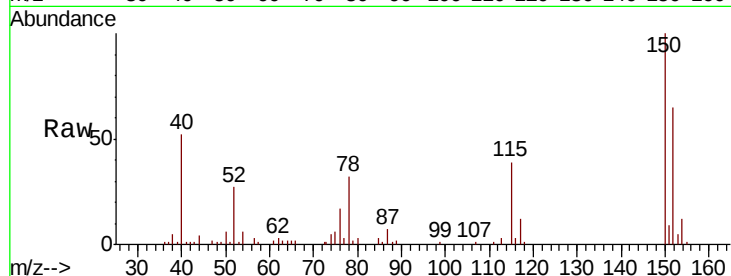


#1

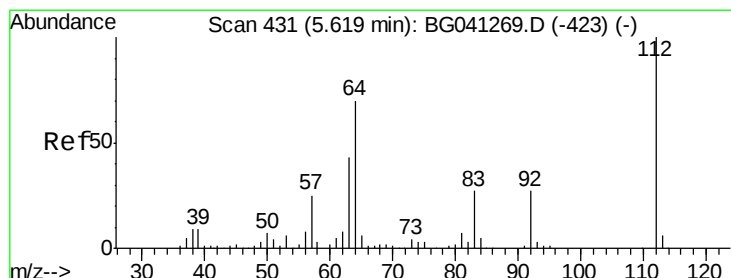
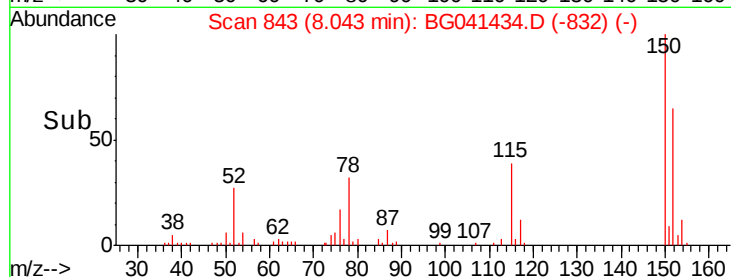
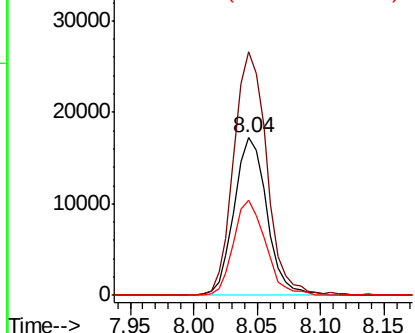
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.04 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

Instrument :  
BNA\_G  
ClientSampleId :  
B-2(11-12)

Tgt Ion:152 Resp: 30820  
Ion Ratio Lower Upper  
152 100  
150 154.3 120.6 181.0  
115 60.0 47.9 71.9



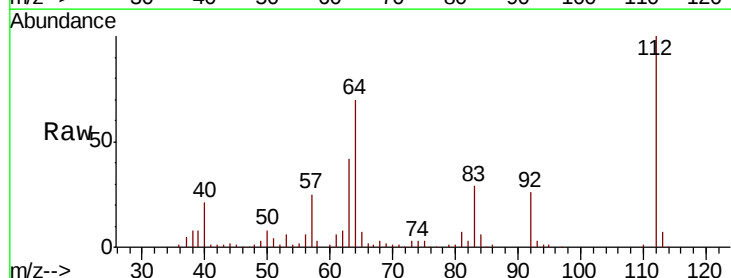
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



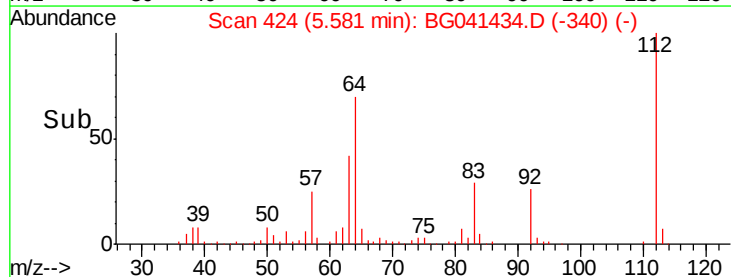
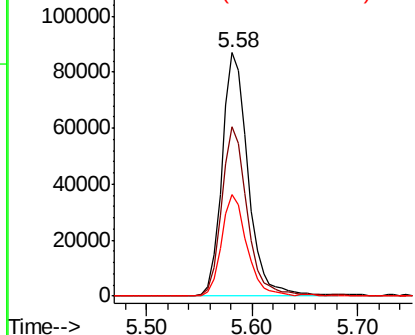
#5

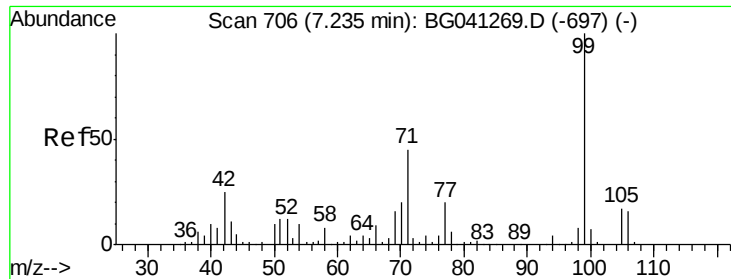
2-Fluorophenol  
Concen: 88.639 ng  
RT: 5.58 min Scan# 424  
Delta R.T. -0.04 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

Tgt Ion:112 Resp: 148680  
Ion Ratio Lower Upper  
112 100  
64 69.6 55.9 83.9  
63 41.6 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 93.639 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041434.D

Acq: 24 Jun 2019 23:08

Instrument :

BNA\_G

ClientSampleId :

B-2(11-12)

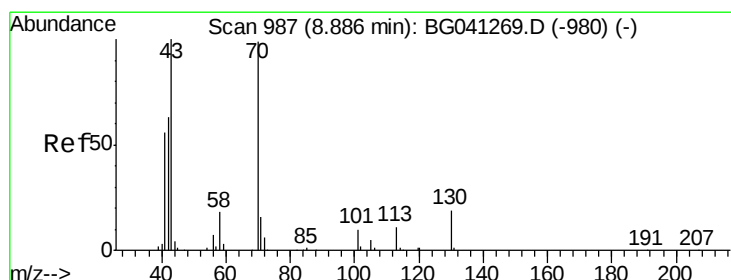
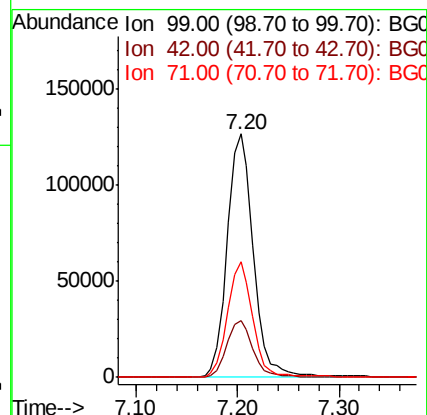
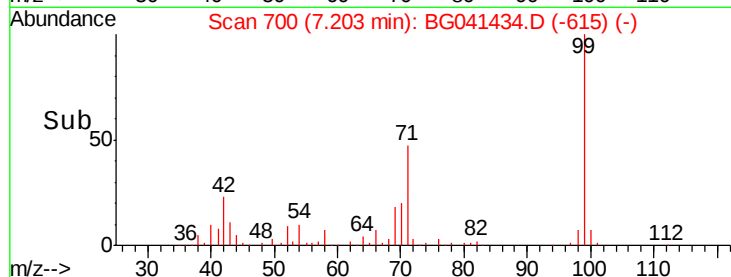
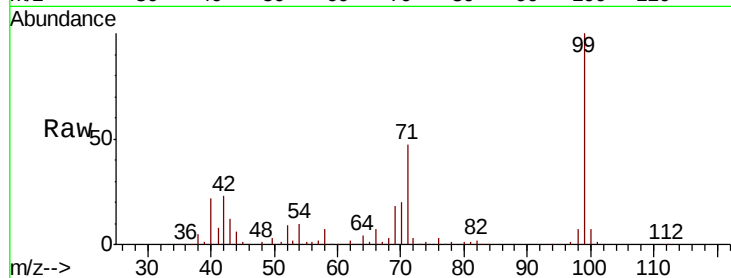
Tgt Ion: 99 Resp: 227669

Ion Ratio Lower Upper

99 100

42 23.4 19.9 29.9

71 47.4 36.4 54.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.621 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041434.D

Acq: 24 Jun 2019 23:08

Tgt Ion: 70 Resp: 22853

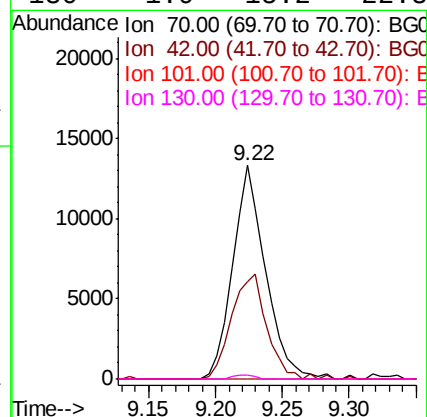
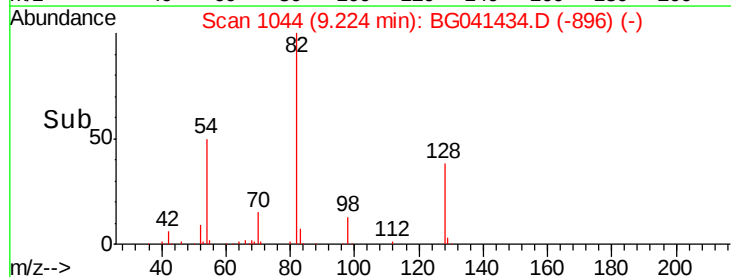
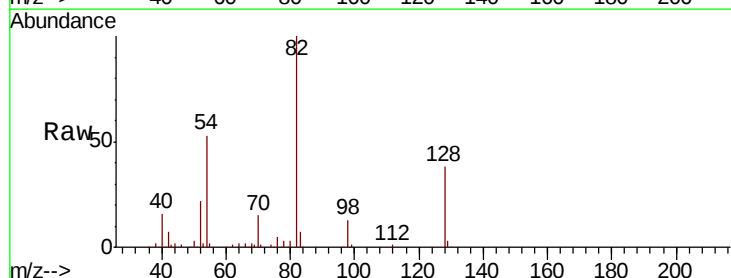
Ion Ratio Lower Upper

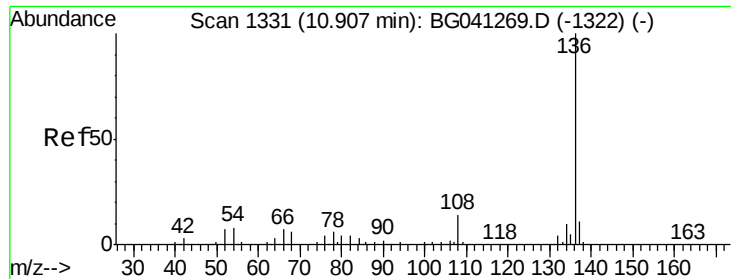
70 100

42 45.6 51.4 77.2#

101 0.0 8.2 12.2#

130 1.9 15.2 22.8#

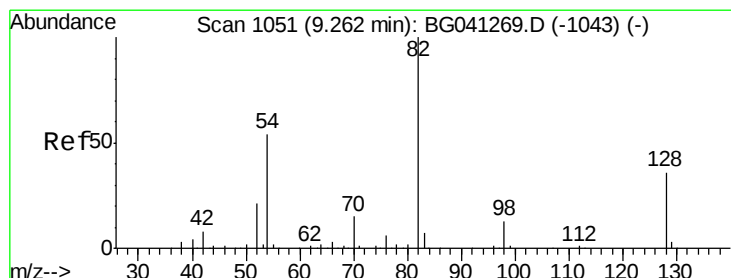
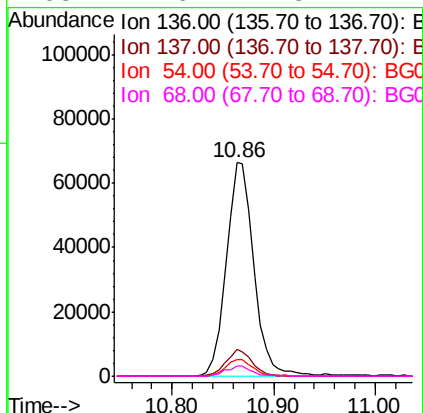
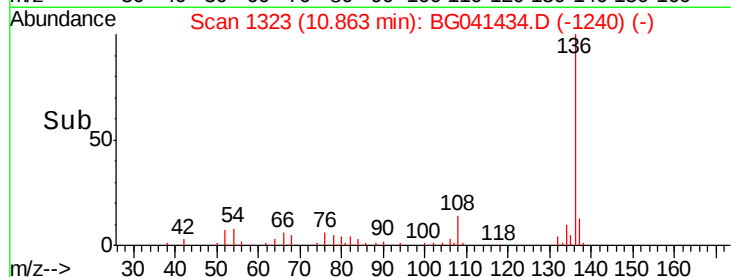
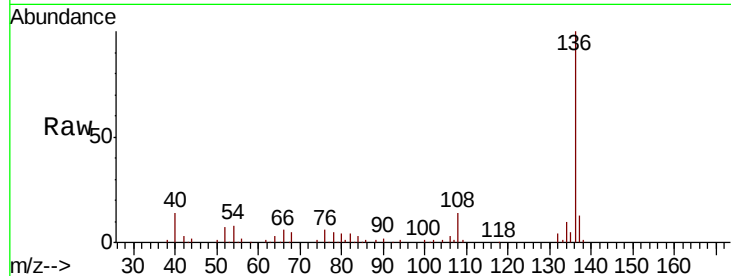




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. -0.04 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

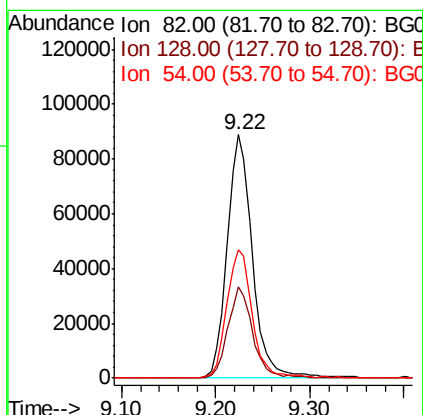
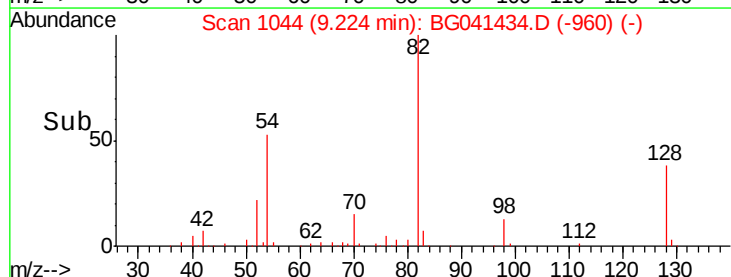
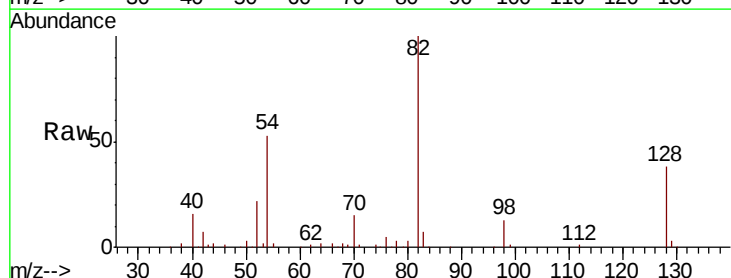
Instrument :  
BNA\_G  
ClientSampleId :  
B-2(11-12)

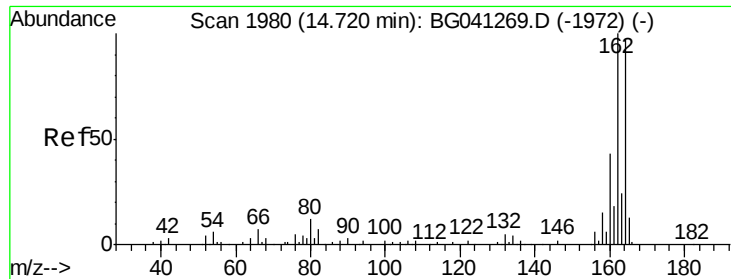
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 124842 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.5  | 8.8   | 13.2   |
| 54       | 8.1   | 6.4   | 9.6    |
| 68       | 4.6   | 4.8   | 7.2#   |



#23  
Nitrobenzene-d5  
Concen: 55.647 ng  
RT: 9.22 min Scan# 1044  
Delta R.T. -0.04 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 165186 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.5  | 29.2  | 43.8   |
| 54       | 52.9  | 43.4  | 65.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041434.D

Acq: 24 Jun 2019 23:08

Instrument :

BNA\_G

ClientSampleId :

B-2(11-12)

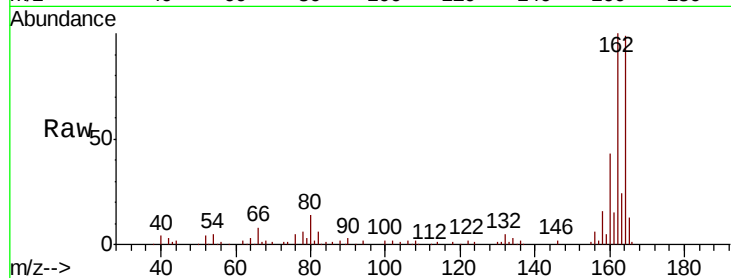
Tgt Ion:164 Resp: 93194

Ion Ratio Lower Upper

164 100

162 101.2 82.8 124.2

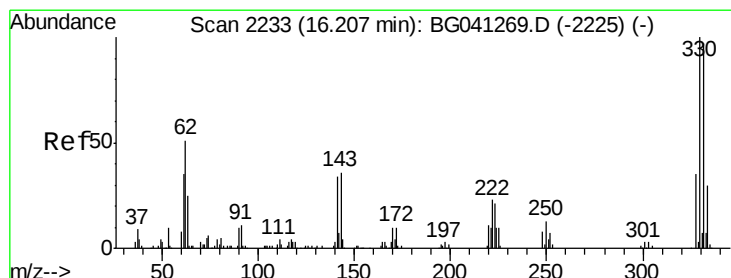
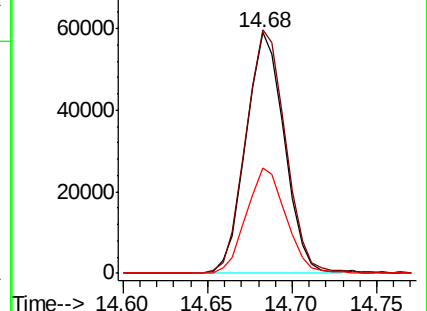
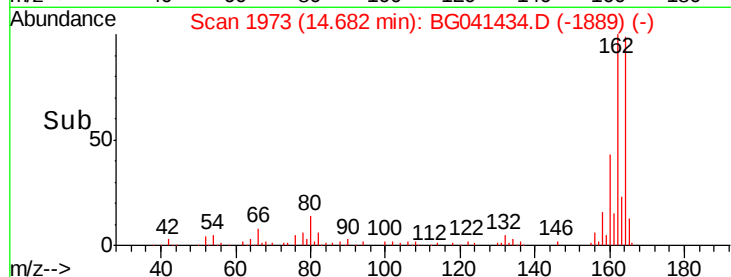
160 44.0 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 85.551 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041434.D

Acq: 24 Jun 2019 23:08

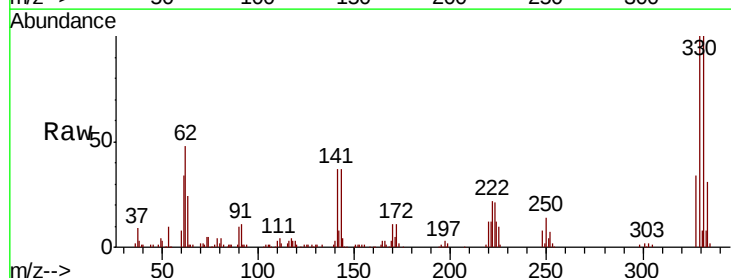
Tgt Ion:330 Resp: 122400

Ion Ratio Lower Upper

330 100

332 98.2 75.5 113.3

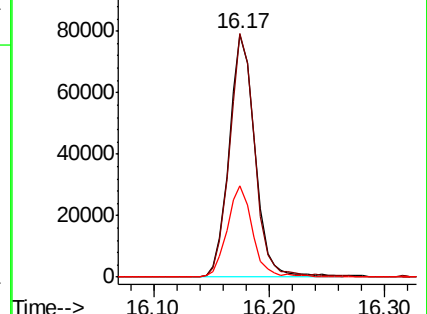
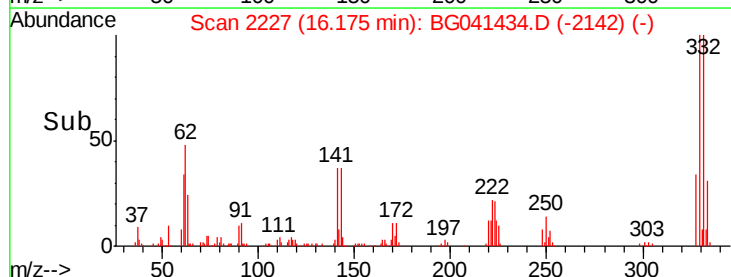
141 37.0 29.0 43.4

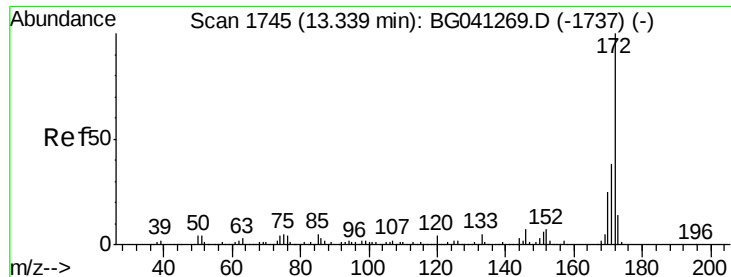


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

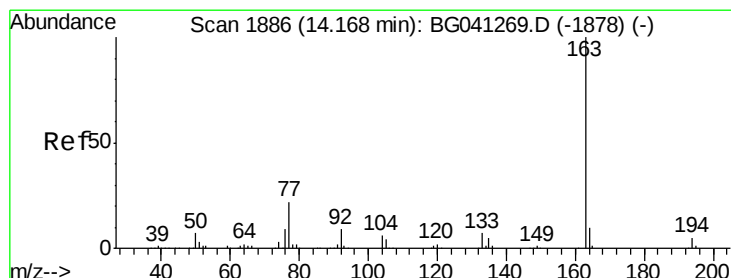
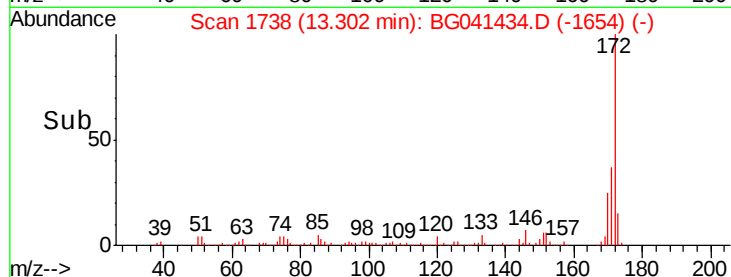
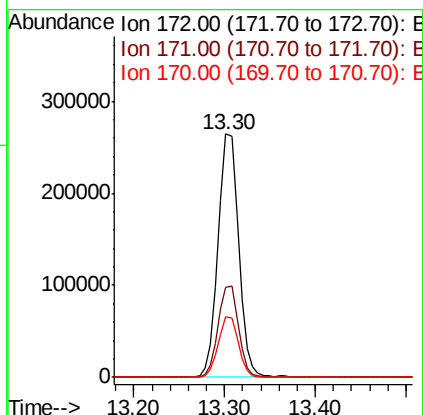
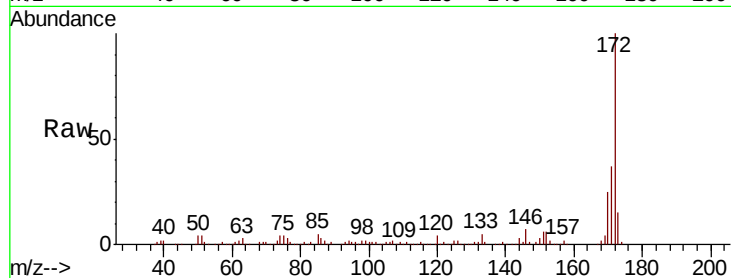




#45  
2-Fluorobiphenyl  
Concen: 60.977 ng  
RT: 13.30 min Scan# 1738  
Delta R.T. -0.04 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

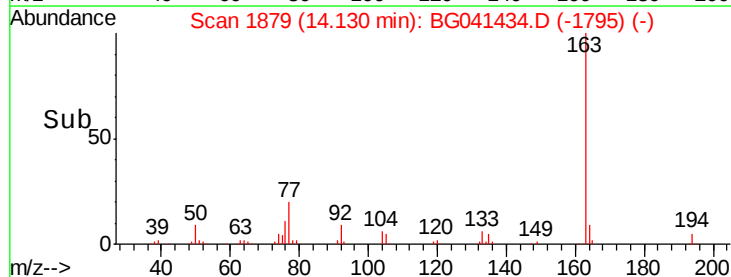
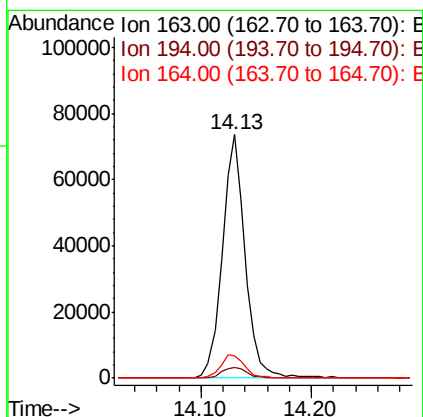
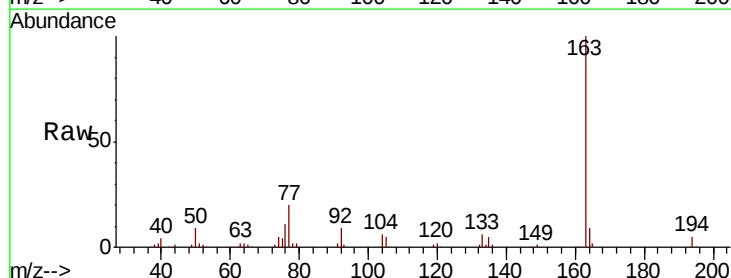
Instrument :  
BNA\_G  
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B-2(11-12)

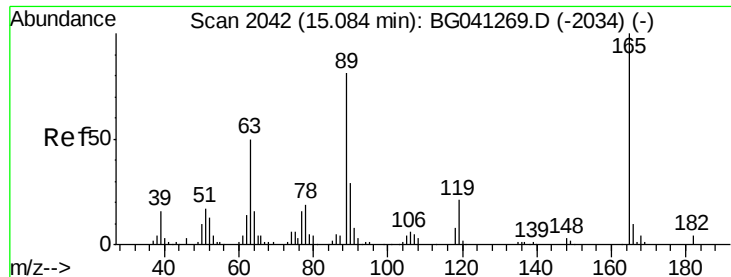
Tgt Ion:172 Resp: 418101  
Ion Ratio Lower Upper  
172 100  
171 37.2 30.0 45.0  
170 24.9 19.8 29.6



#50  
Dimethylphthalate  
Concen: 12.750 ng  
RT: 14.13 min Scan# 1879  
Delta R.T. -0.04 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

Tgt Ion:163 Resp: 105720  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.9 5.9  
164 9.1 8.3 12.5

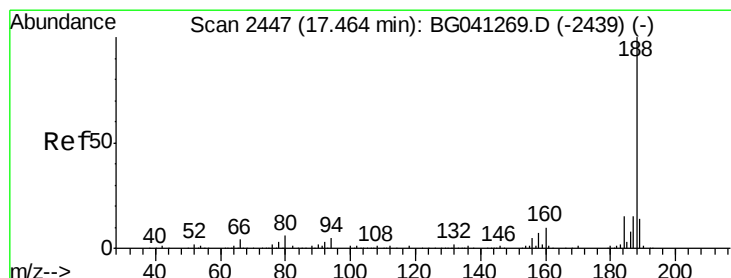
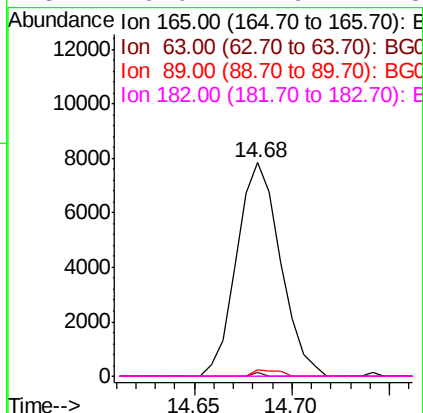
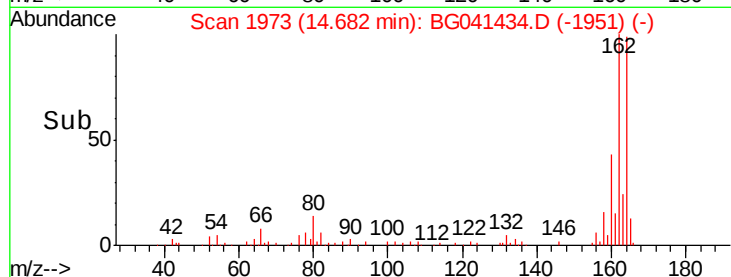
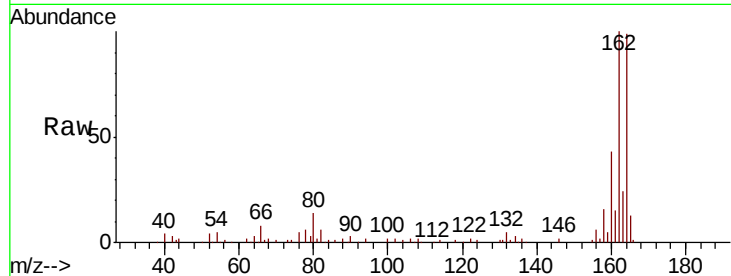




#57  
 2,4-Dinitrotoluene  
 Concen: 4.756 ng  
 RT: 14.68 min Scan# 1973  
 Delta R.T. -0.40 min  
 Lab File: BG041434.D  
 Acq: 24 Jun 2019 23:08

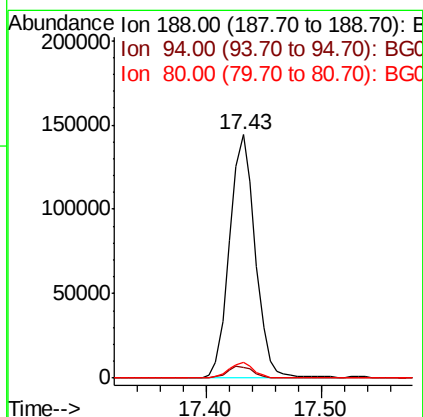
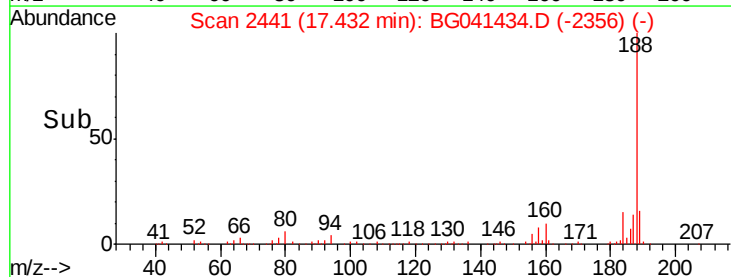
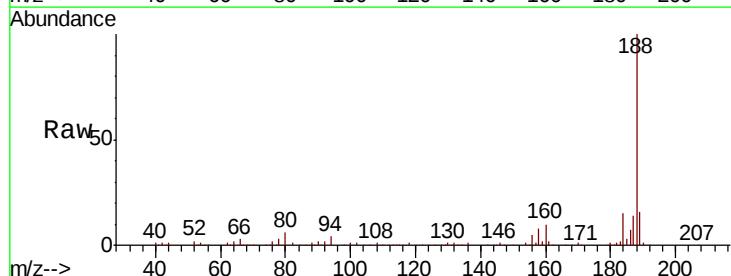
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-2(11-12)

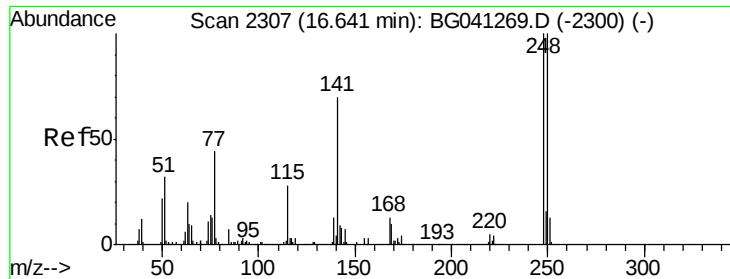
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 12156 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 2.0   | 40.0  | 60.0# |
| 89       | 3.1   | 64.6  | 96.8# |
| 182      | 0.0   | 2.9   | 4.3#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.43 min Scan# 2441  
 Delta R.T. -0.03 min  
 Lab File: BG041434.D  
 Acq: 24 Jun 2019 23:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 223017 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 4.5   | 3.6   | 5.4    |
| 80       | 6.3   | 4.8   | 7.2    |

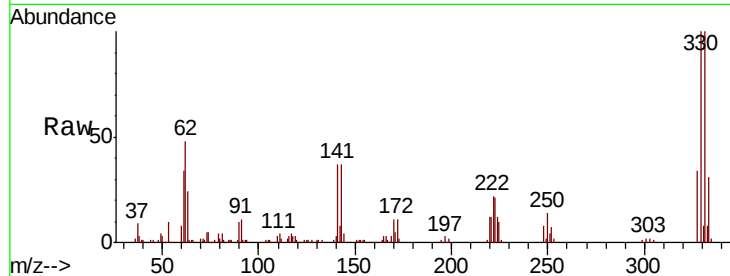




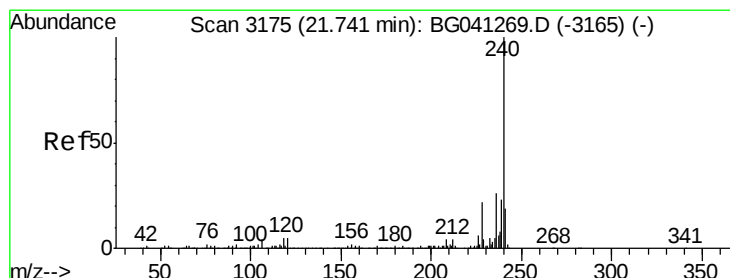
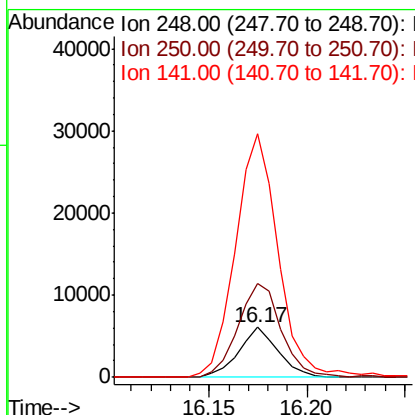
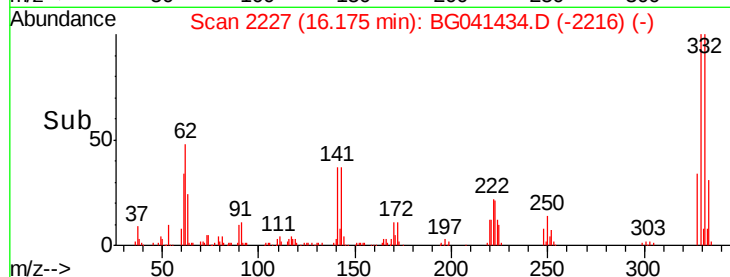
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.926 ng  
 RT: 16.17 min Scan# 2227  
 Delta R.T. -0.47 min  
 Lab File: BG041434.D  
 Acq: 24 Jun 2019 23:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-2(11-12)

Tgt Ion:248 Resp: 8437  
 Ion Ratio Lower Upper  
 248 100  
 250 186.4 79.8 119.8#  
 141 484.0 55.8 83.6#

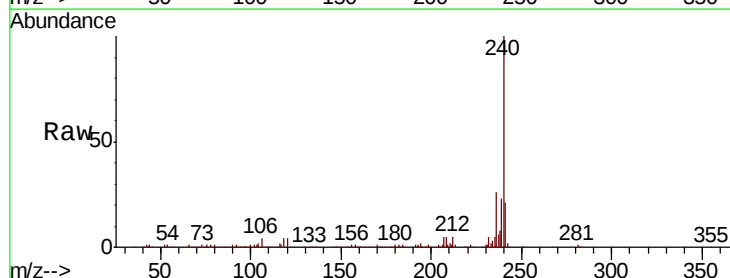


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

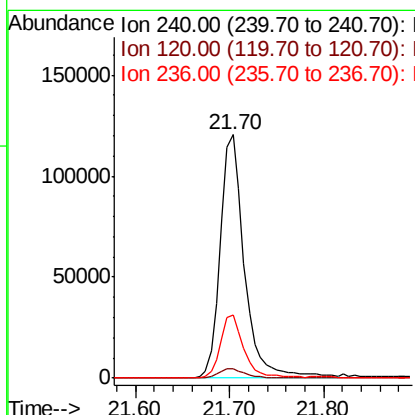
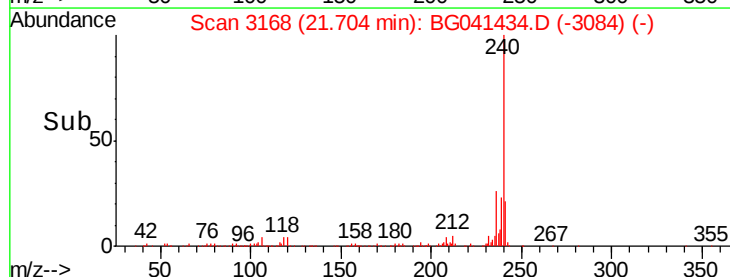


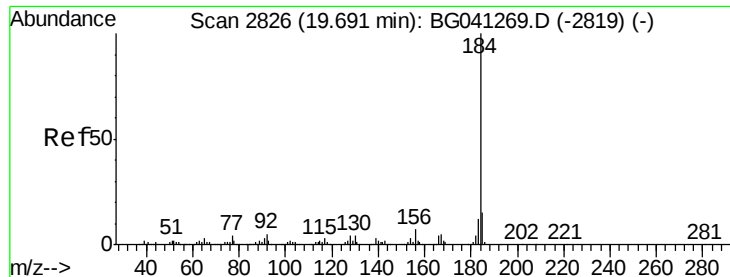
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.70 min Scan# 3168  
 Delta R.T. -0.04 min  
 Lab File: BG041434.D  
 Acq: 24 Jun 2019 23:08

Tgt Ion:240 Resp: 217197  
 Ion Ratio Lower Upper  
 240 100  
 120 3.9 3.7 5.5  
 236 25.9 21.1 31.7



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

Benzidine

Concen: 2.193 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041434.D

Acq: 24 Jun 2019 23:08

Instrument :

BNA\_G

ClientSampleId :

B-2(11-12)

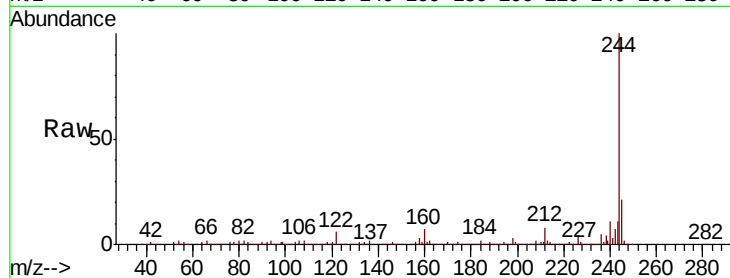
Tgt Ion:184 Resp: 11523

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

183 7.7 9.6 14.4#

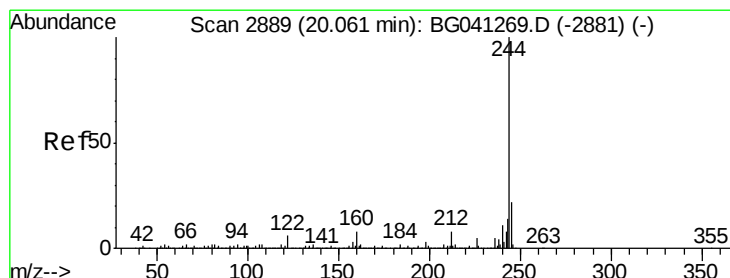
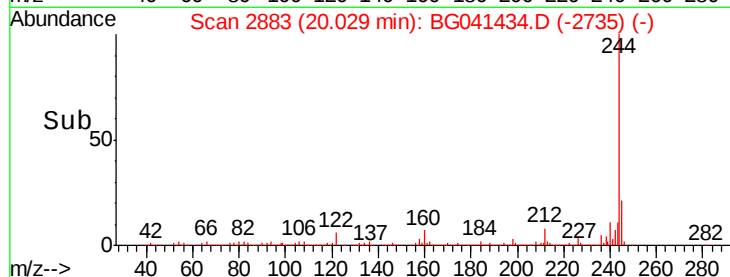
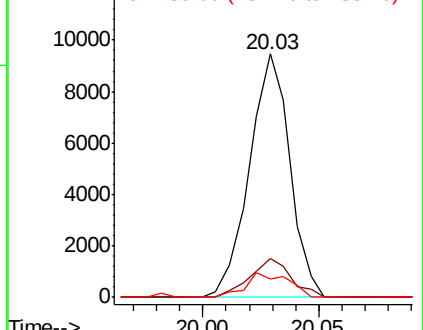


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 65.274 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041434.D

Acq: 24 Jun 2019 23:08

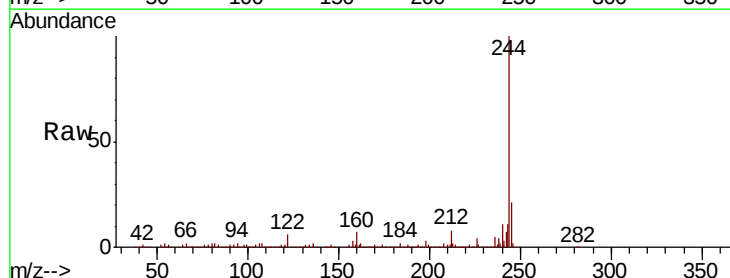
Tgt Ion:244 Resp: 715374

Ion Ratio Lower Upper

244 100

212 8.3 6.6 10.0

122 6.0 5.0 7.4

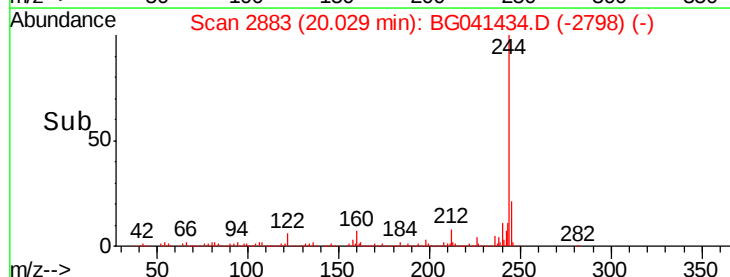
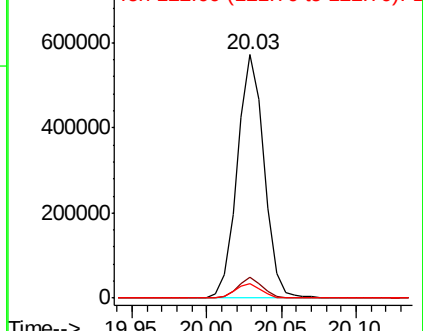


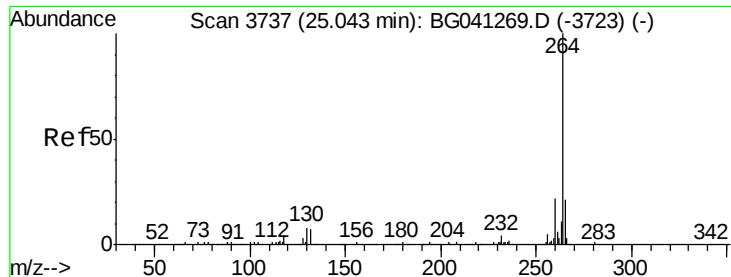
Abundance

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





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.99 min Scan# 3728  
Delta R.T. -0.05 min  
Lab File: BG041434.D  
Acq: 24 Jun 2019 23:08

Instrument :  
BNA\_G  
ClientSampleId :  
B-2(11-12)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 17.4  | 26.2  |
| 265     | 21.3  | 17.2  | 25.8  |

