

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040919\  
 Data File : BG040402.D  
 Acq On : 9 Apr 2019 17:05  
 Operator : JU/SJ  
 Sample : K2338-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 10 00:51:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 28 05:47:00 2019  
 Response via : Initial Calibration

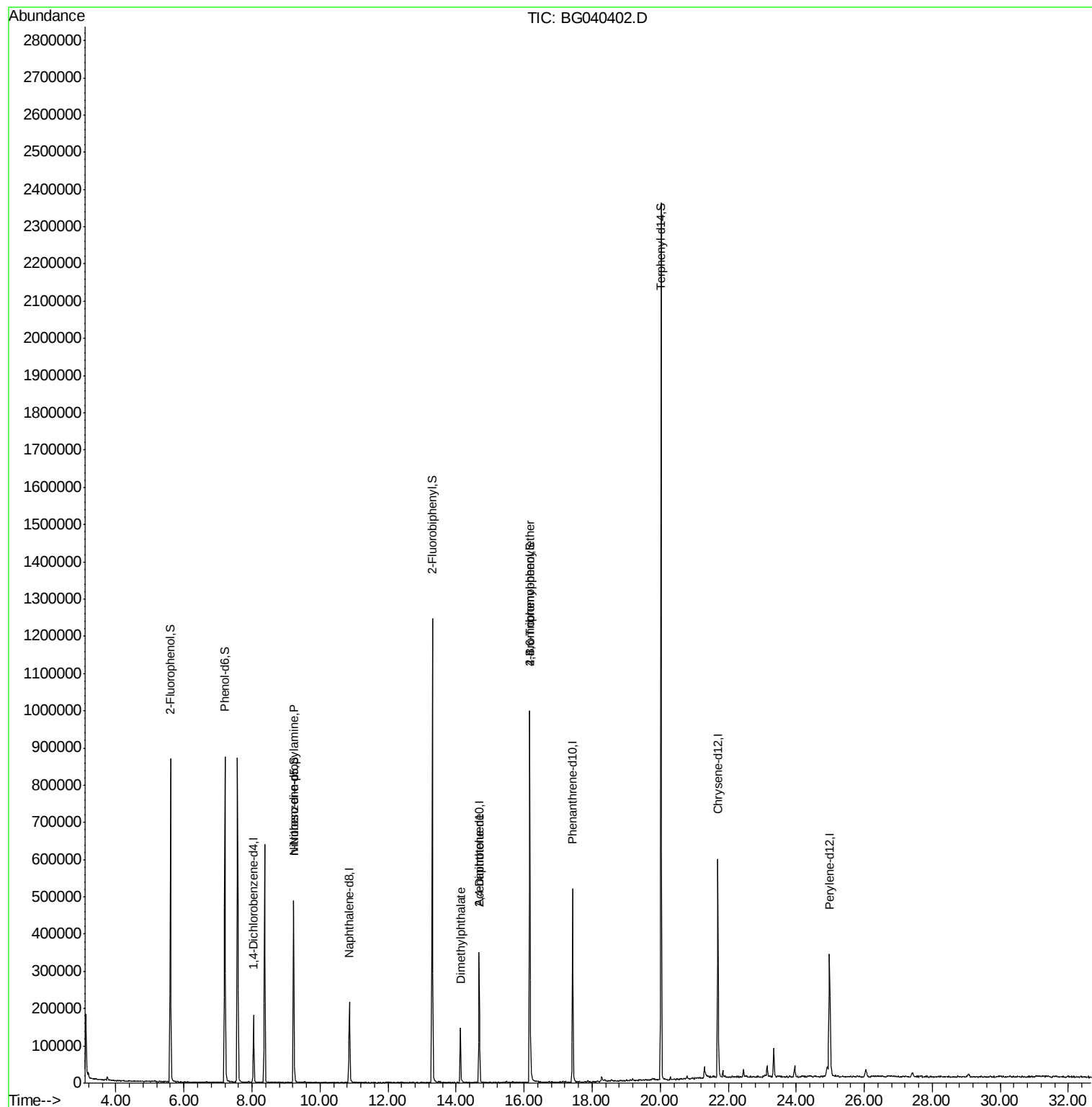
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 51415    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.86 | 136  | 202666   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.68 | 164  | 128506   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.42 | 188  | 341685   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.70 | 240  | 376664   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 24.98 | 264  | 378673   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 390975   | 126.41 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.20  | 99   | 537934   | 125.85 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 320242   | 83.99  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.17 | 330  | 197816   | 142.44 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.30 | 172  | 686608   | 79.17  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.03 | 244  | 1187648  | 70.93  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 39499    | 12.889 | ng    | # 76     |
| 50) Dimethylphthalate          | 14.13 | 163  | 115703   | 11.504 | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 14.67 | 165  | 16029    | 5.108  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 14793    | 3.847  | ng    | # 1      |

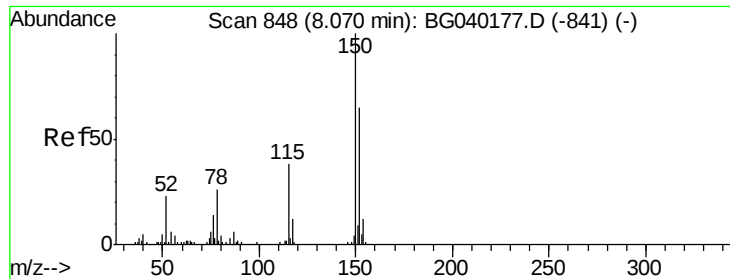
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040919\  
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Misc :  
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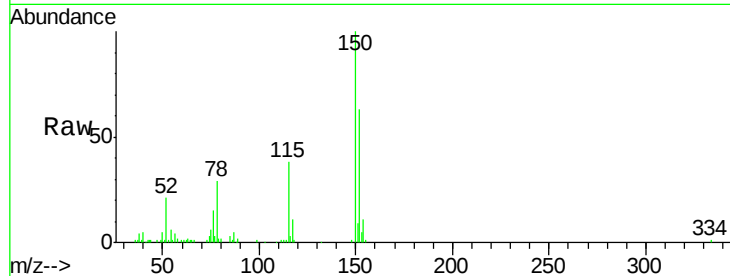


#1

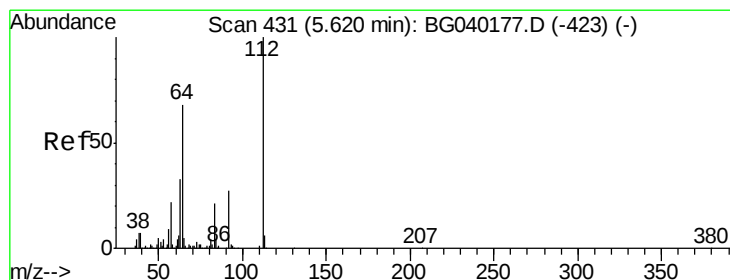
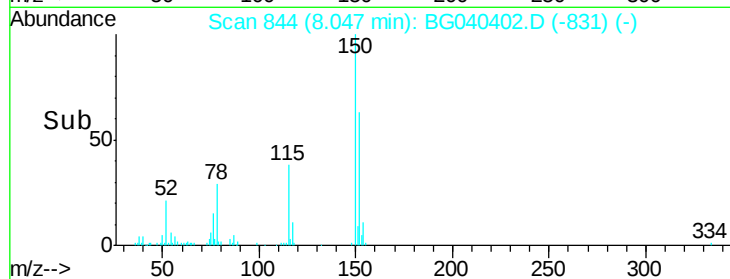
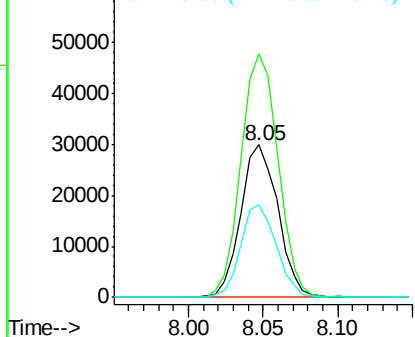
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.02 min  
Lab File: BG040402.D  
Acq: 9 Apr 2019 17:05

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 51415  
Ion Ratio Lower Upper  
152 100  
150 159.5 123.7 185.5  
115 61.1 46.9 70.3



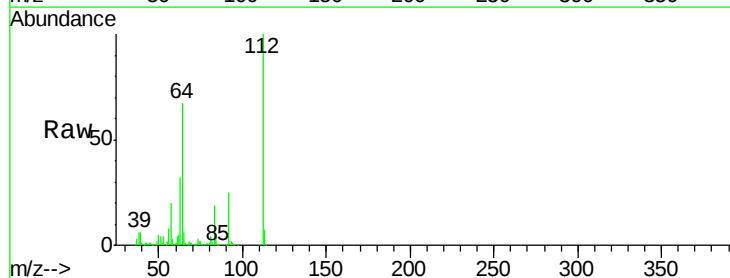
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



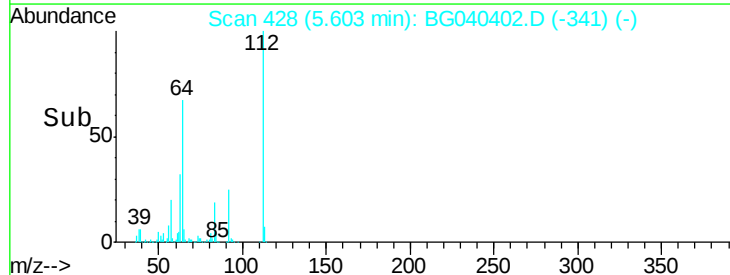
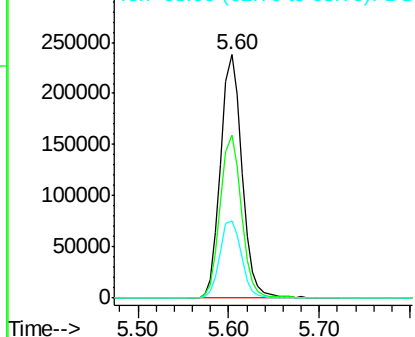
#5

2-Fluorophenol  
Concen: 126.415 ng  
RT: 5.60 min Scan# 428  
Delta R.T. -0.02 min  
Lab File: BG040402.D  
Acq: 9 Apr 2019 17:05

Tgt Ion:112 Resp: 390975  
Ion Ratio Lower Upper  
112 100  
64 67.0 54.2 81.2  
63 31.8 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.853 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040402.D

Acq: 9 Apr 2019 17:05

Instrument :

BNA\_G

ClientSampleId :

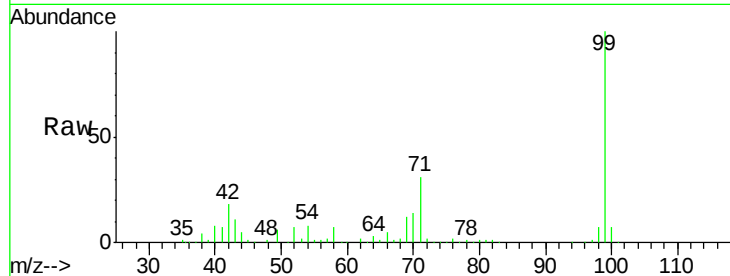
Tot Ion: 99 Resp: 537934

Ion Ratio Lower Upper

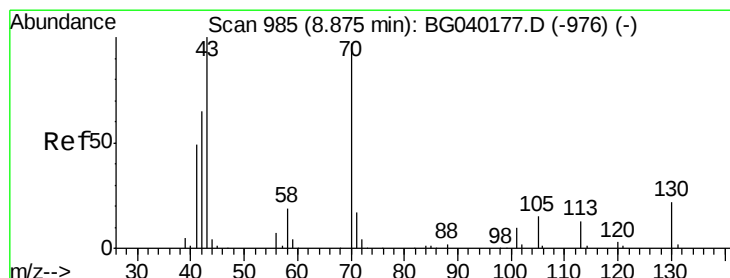
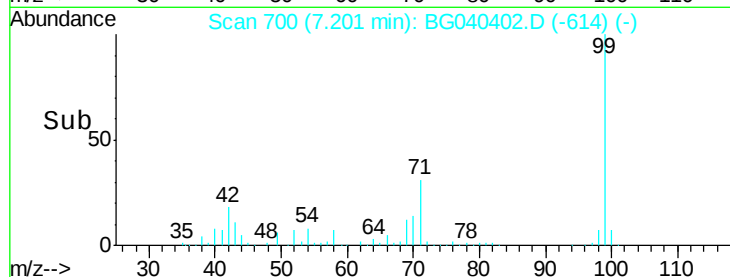
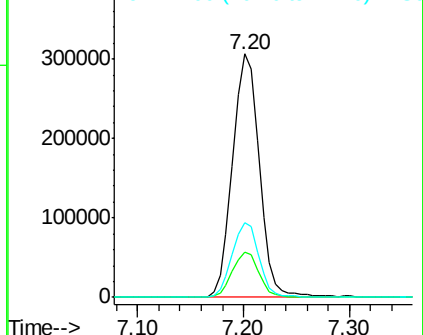
99 100

42 18.4 16.2 24.2

71 30.8 26.8 40.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.889 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040402.D

Acq: 9 Apr 2019 17:05

Tgt Ion: 70 Resp: 39499

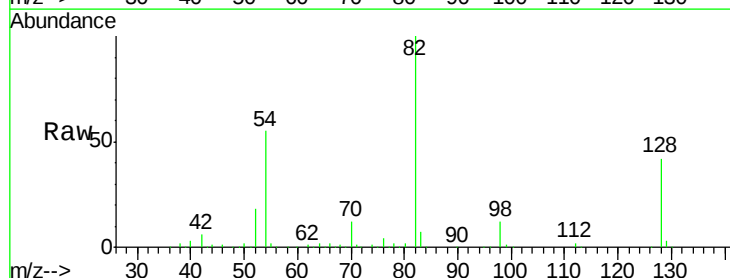
Ion Ratio Lower Upper

70 100

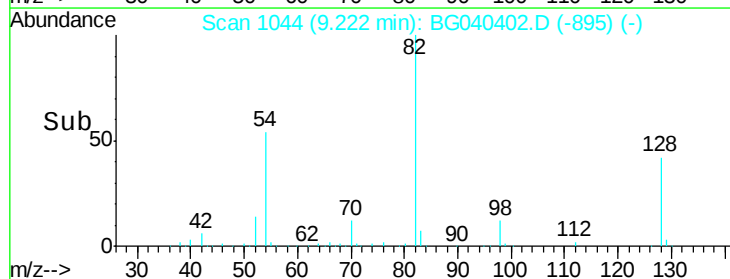
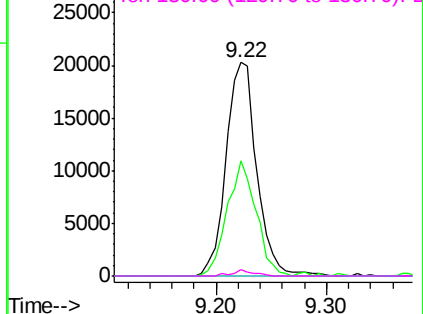
42 53.7 54.0 81.0#

101 0.0 8.6 13.0#

130 2.8 18.2 27.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

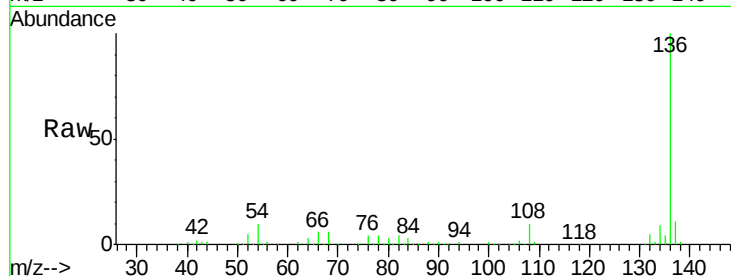




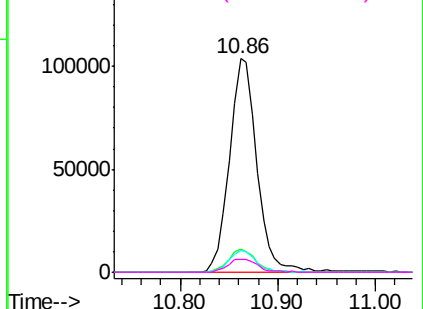
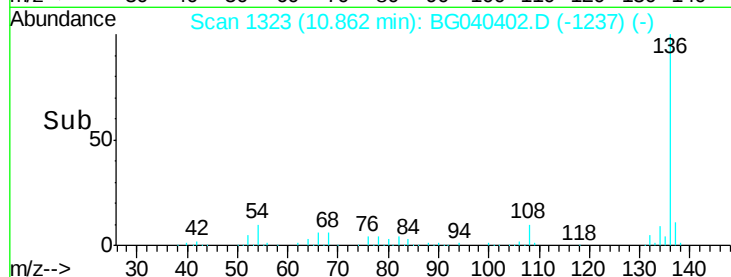
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BG040402.D  
Acq: 9 Apr 2019 17:05

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 202666      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.7  | 8.9 13.3    |
| 54          | 10.1  | 9.6 14.4    |
| 68          | 6.0   | 5.1 7.7     |

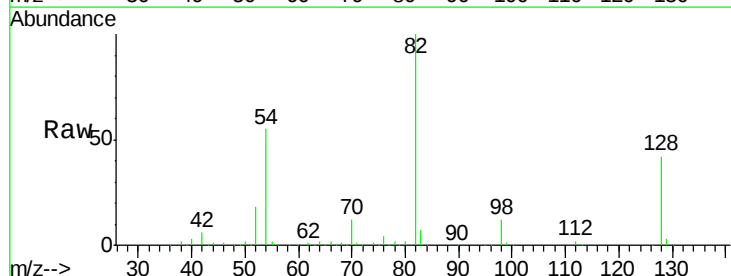


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

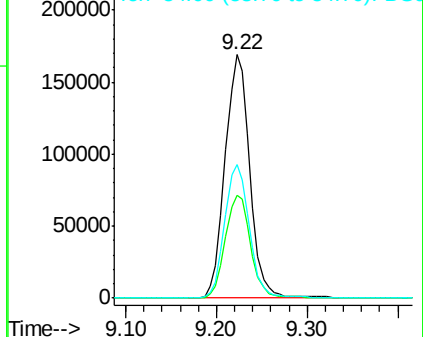
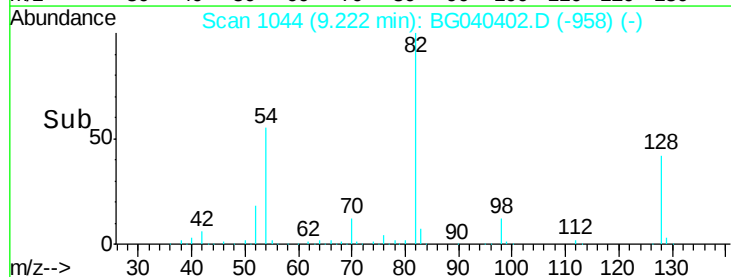


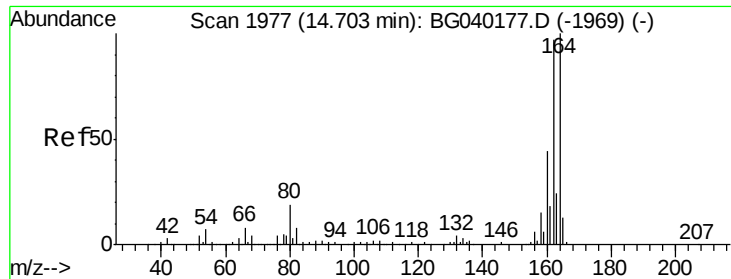
#23  
Nitrobenzene-d5  
Concen: 83.990 ng  
RT: 9.22 min Scan# 1044  
Delta R.T. -0.02 min  
Lab File: BG040402.D  
Acq: 9 Apr 2019 17:05

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 320242      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 42.1  | 35.8 53.8   |
| 54          | 54.8  | 46.2 69.2   |



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

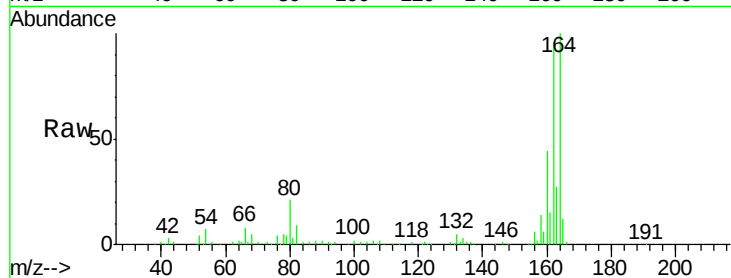




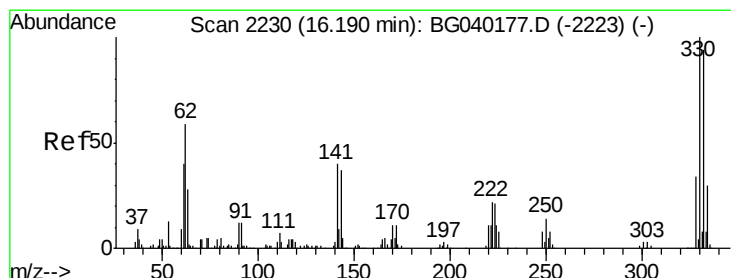
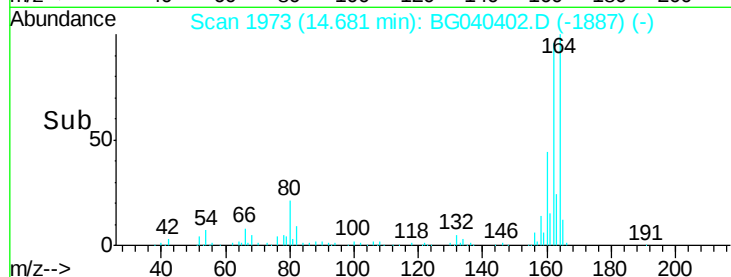
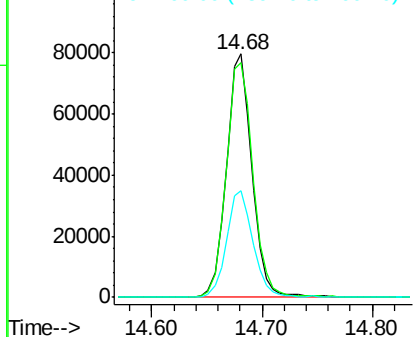
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1973  
Delta R.T. -0.02 min  
Lab File: BG040402.D  
Acq: 9 Apr 2019 17:05

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:164 Resp: 128506  
Ion Ratio Lower Upper  
164 100  
162 96.2 77.4 116.2  
160 43.8 35.3 52.9

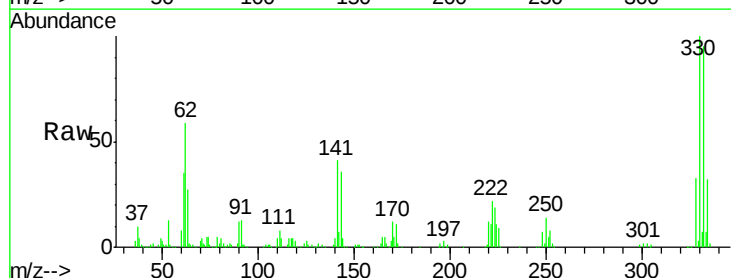


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

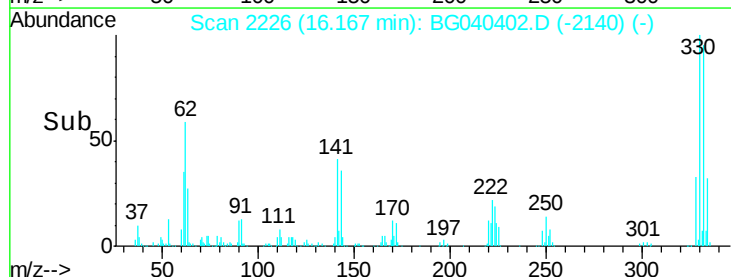
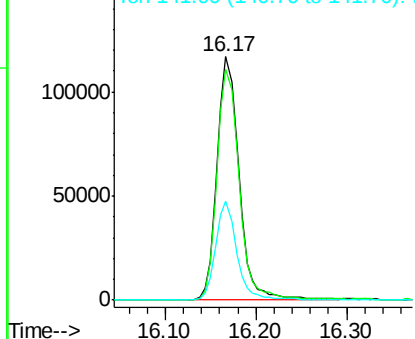


#42  
2,4,6-Tribromophenol  
Concen: 142.435 ng  
RT: 16.17 min Scan# 2226  
Delta R.T. -0.02 min  
Lab File: BG040402.D  
Acq: 9 Apr 2019 17:05

Tgt Ion:330 Resp: 197816  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.6 115.0  
141 39.0 32.6 48.8



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





#45

2-Fluorobiphenyl

Concen: 79.171 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.02 min

Lab File: BG040402.D

Acq: 9 Apr 2019 17:05

Instrument :

BNA\_G

ClientSampled :

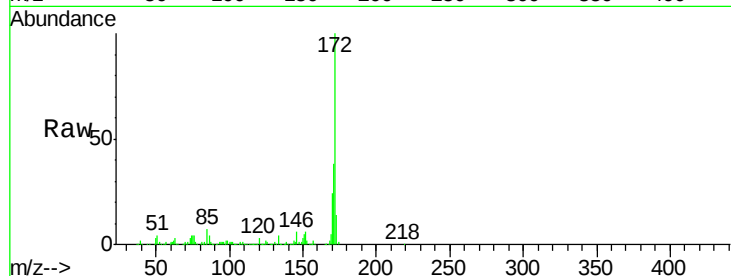
Tot Ion:172 Resp: 686608

Ion Ratio Lower Upper

172 100

171 37.7 30.5 45.7

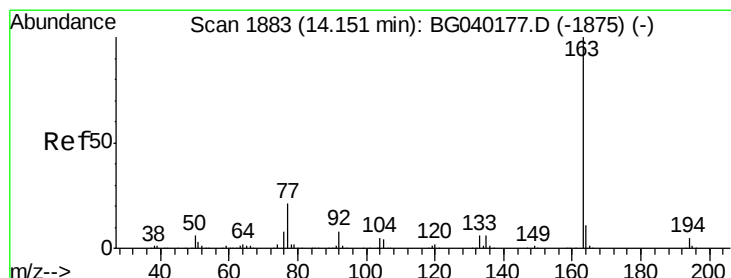
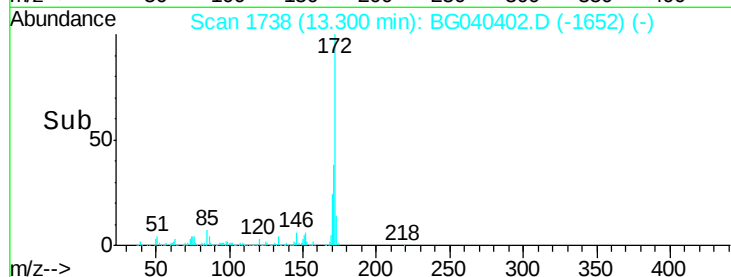
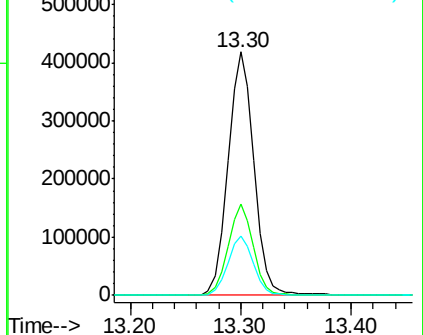
170 24.5 20.1 30.1



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



#50

Dimethylphthalate

Concen: 11.504 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG040402.D

Acq: 9 Apr 2019 17:05

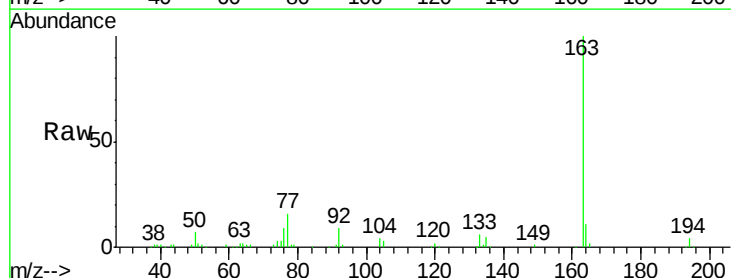
Tgt Ion:163 Resp: 115703

Ion Ratio Lower Upper

163 100

194 3.7 4.1 6.1#

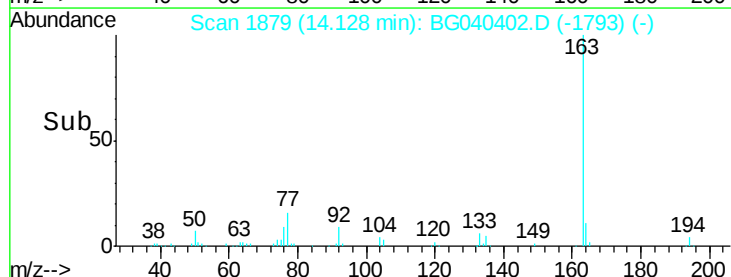
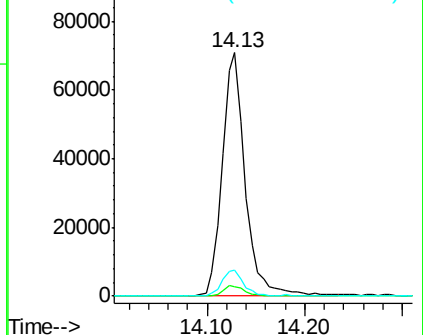
164 10.8 8.6 13.0

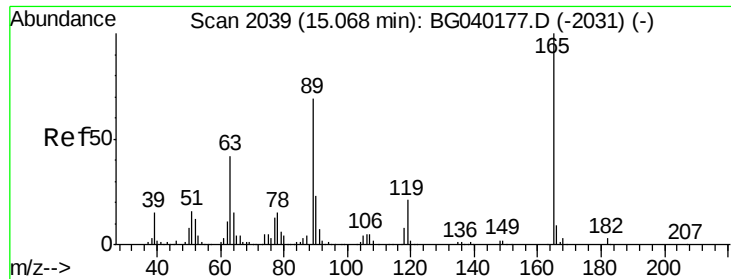


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

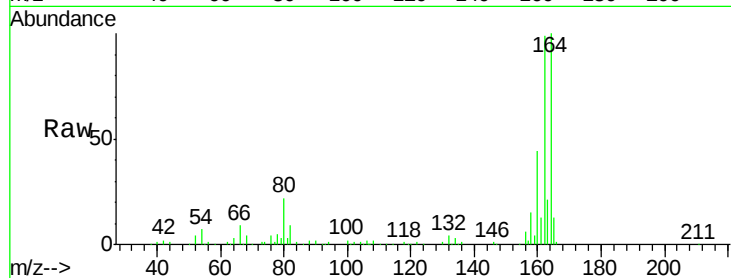




#57  
 2,4-Dinitrotoluene  
 Concen: 5.108 ng  
 RT: 14.67 min Scan# 1972  
 Delta R.T. -0.39 min  
 Lab File: BG040402.D  
 Acq: 9 Apr 2019 17:05

Instrument :  
 BNA\_G  
 ClientSampleId :

|             |             |
|-------------|-------------|
| Tot Ion:165 | Resp: 16029 |
| Ion Ratio   | Lower Upper |
| 165 100     |             |
| 63 2.3      | 33.8 50.6#  |
| 89 0.0      | 55.4 83.2#  |
| 182 0.0     | 2.2 3.4#    |

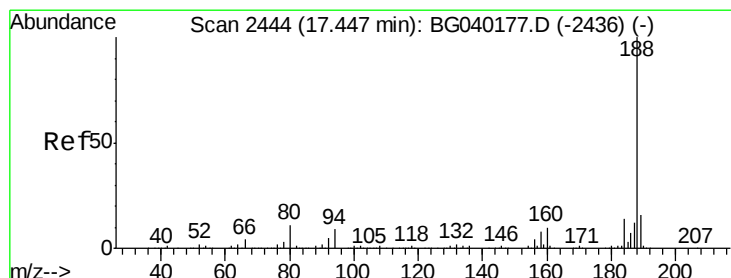
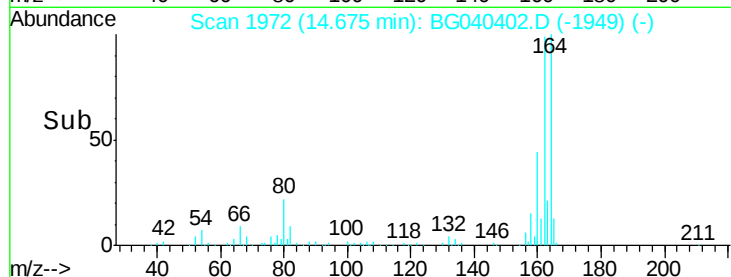
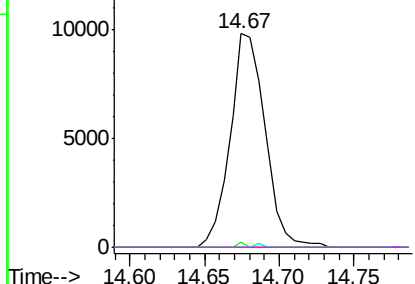


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

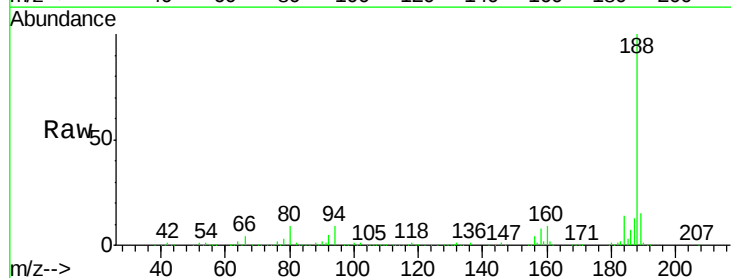
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2440  
 Delta R.T. -0.02 min  
 Lab File: BG040402.D  
 Acq: 9 Apr 2019 17:05

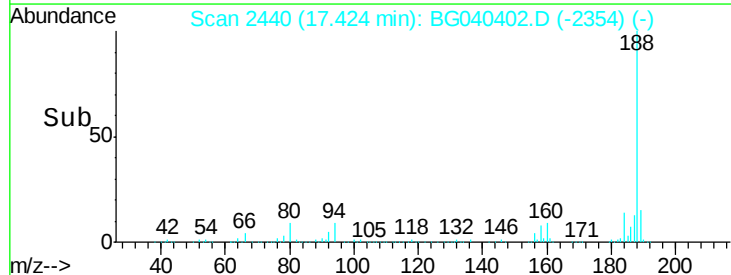
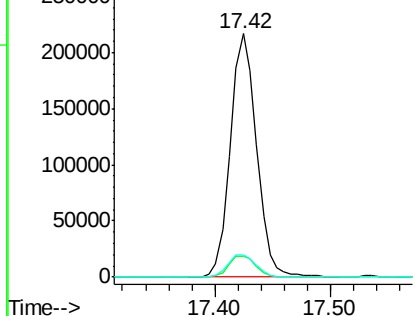
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:188 | Resp: | 341685 |
| Ion | Ratio   | Lower | Upper  |
| 188 | 100     |       |        |
| 94  | 8.6     | 7.0   | 10.4   |
| 80  | 9.2     | 8.6   | 13.0   |



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

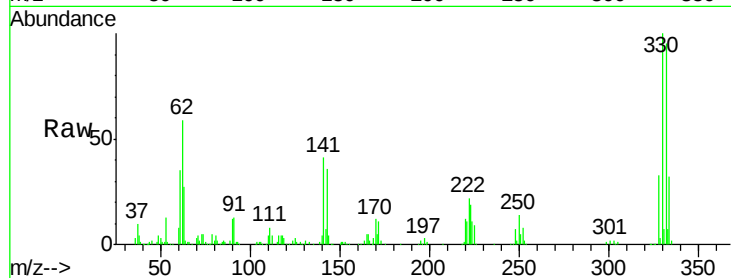




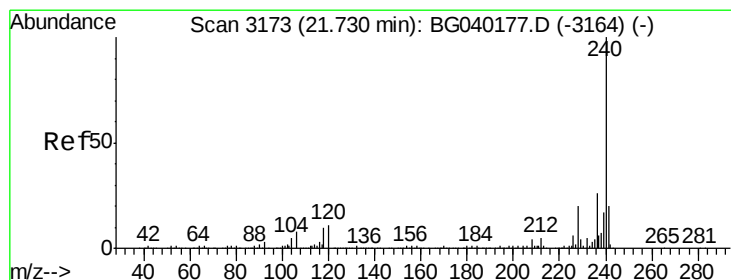
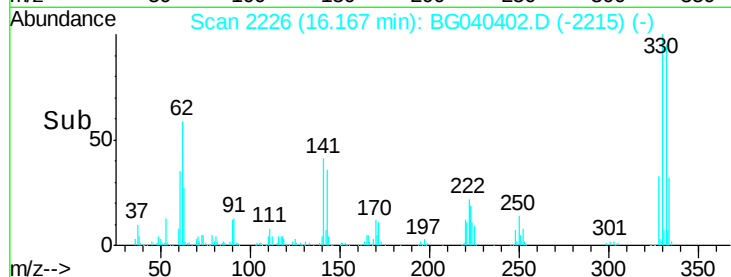
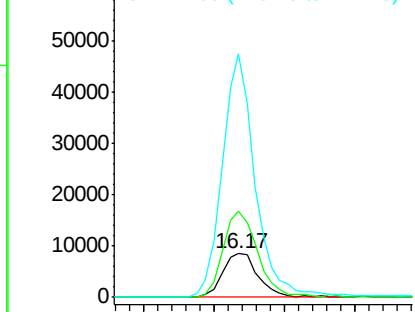
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.847 ng  
 RT: 16.17 min Scan# 2226  
 Delta R.T. -0.46 min  
 Lab File: BG040402.D  
 Acq: 9 Apr 2019 17:05

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 14793  
 Ion Ratio Lower Upper  
 248 100  
 250 199.7 76.4 114.6#  
 141 560.5 53.8 80.8#

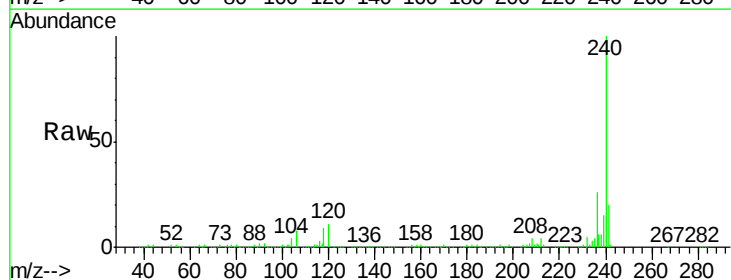


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

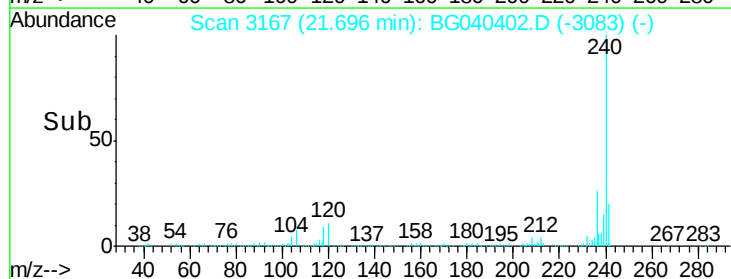
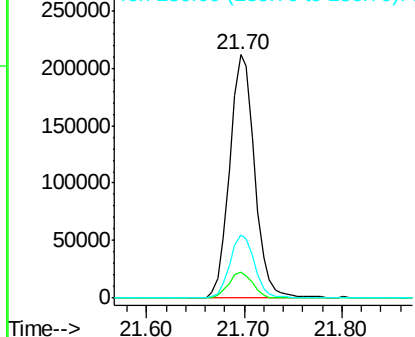


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.70 min Scan# 3167  
 Delta R.T. -0.03 min  
 Lab File: BG040402.D  
 Acq: 9 Apr 2019 17:05

Tgt Ion:240 Resp: 376664  
 Ion Ratio Lower Upper  
 240 100  
 120 10.9 8.4 12.6  
 236 26.0 20.8 31.2



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





#79

Terphenyl-d14

Concen: 70.933 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG040402.D

Acq: 9 Apr 2019 17:05

Instrument :

BNA\_G

ClientSampled :

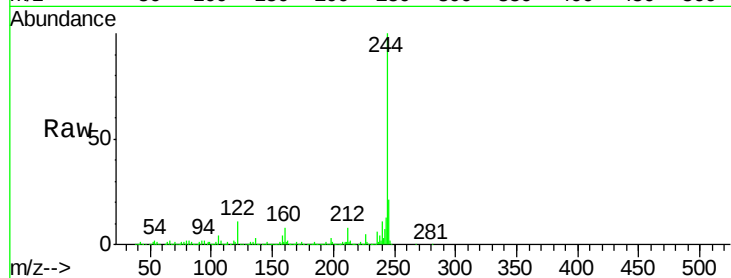
Tot Ion:244 Resp: 1187648

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.6

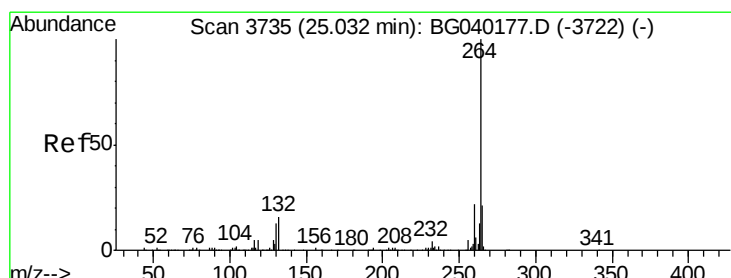
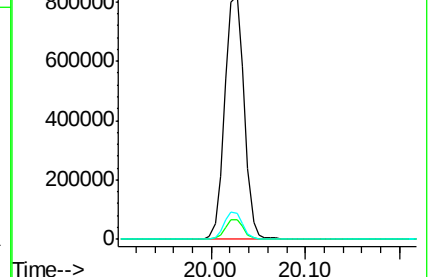
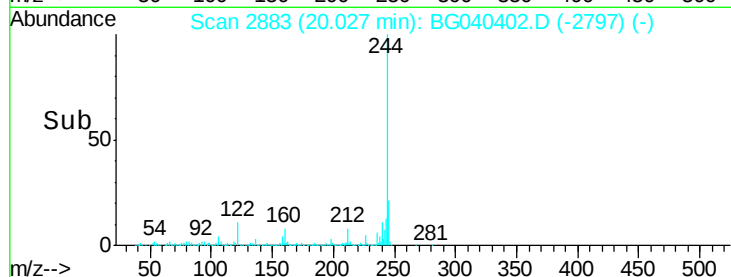
122 10.9 8.5 12.7



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: 24.98 min Scan# 3726

Delta R.T. -0.05 min

Lab File: BG040402.D

Acq: 9 Apr 2019 17:05

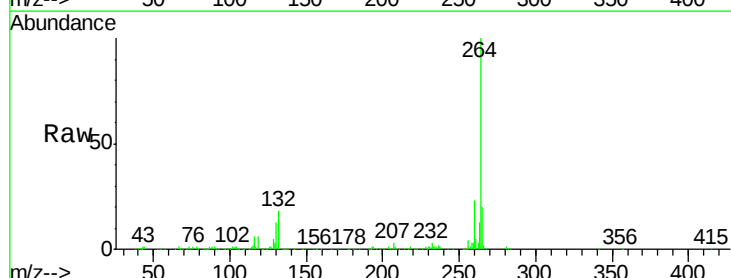
Tgt Ion:264 Resp: 378673

Ion Ratio Lower Upper

264 100

260 23.4 17.9 26.9

265 19.9 16.8 25.2



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

