

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042619\  
 Data File : BG040652.D  
 Acq On : 27 Apr 2019 6:41  
 Operator : JU/SJ  
 Sample : K2570-02  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2-CB-SOUTH

Quant Time: Apr 29 02:32:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 2019  
 Response via : Initial Calibration

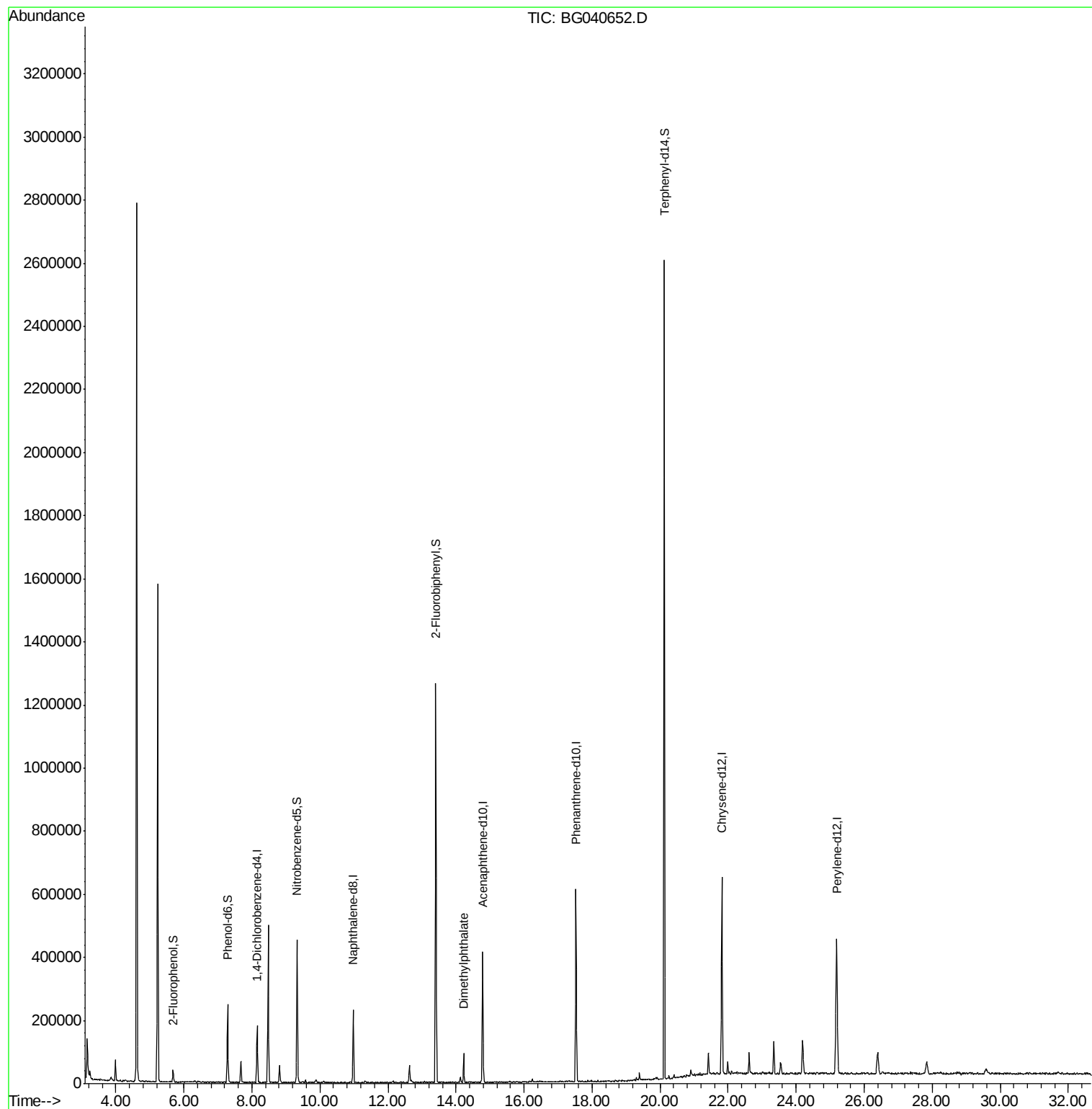
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 43802    | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.98 | 136  | 180433   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 14.78 | 164  | 134108   | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 17.53 | 188  | 361523   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 21.82 | 240  | 361925   | 20.00 | ng    | 0.00      |
| 87) Perylene-d12            | 25.19 | 264  | 387742   | 20.00 | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.68  | 112  | 12419    | 5.00  | ng    | 0.00      |
| 7) Phenol-d6                | 7.29  | 99   | 117128   | 30.61 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 256274   | 65.63 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 324      | 0.18  | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 592509   | 63.81 | ng    | 0.00      |
| 79) Terphenyl-d14           | 20.12 | 244  | 1184519  | 72.51 | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 14.22 | 163  | 52719    | 4.698 | ng    | Qvalue 98 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042619\  
Data File : BG040652.D  
Acq On : 27 Apr 2019 6:41  
Operator : JU/SJ  
Sample : K2570-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
2-CB-SOUTH

Quant Time: Apr 29 02:32:06 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 24 05:35:33 2019  
Response via : Initial Calibration



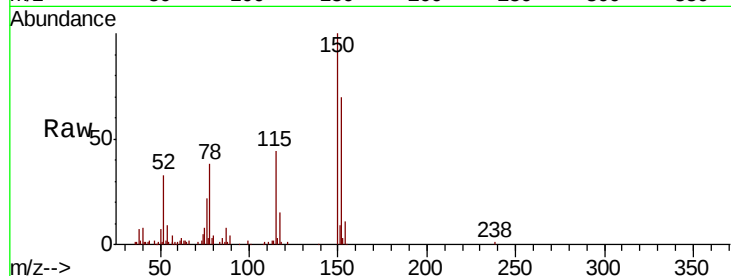


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: BG040652.D  
Acq: 27 Apr 2019 6:41

Instrument :  
BNA\_G  
ClientSampleId :  
2-CB-SOUTH

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 142.3 | 120.2 | 180.2 |
| 115     | 63.0  | 46.2  | 69.2  |

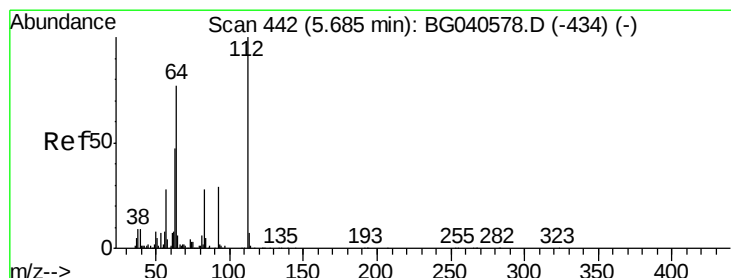
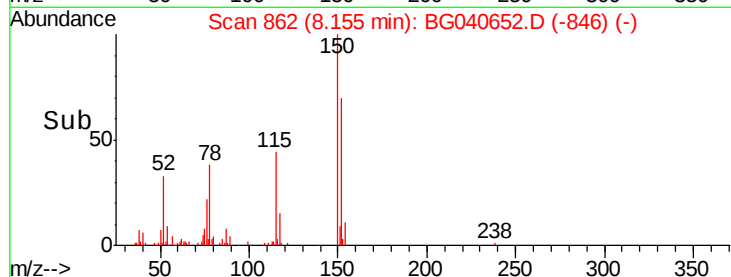
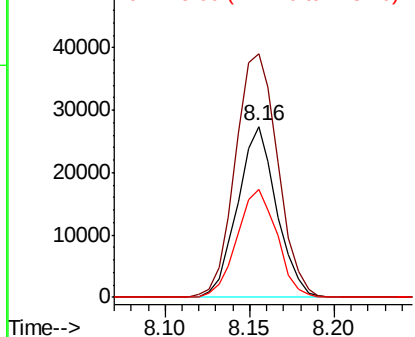


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

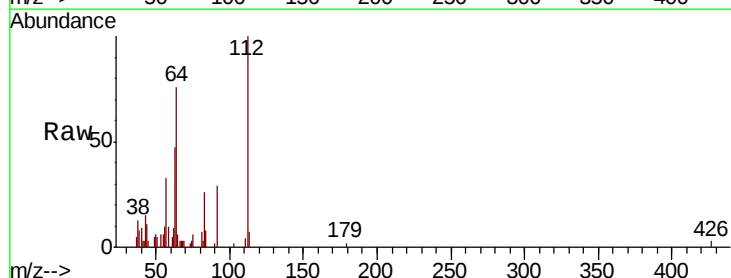
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 4.998 ng  
RT: 5.68 min Scan# 441  
Delta R.T. -0.00 min  
Lab File: BG040652.D  
Acq: 27 Apr 2019 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 76.0  | 61.4  | 92.0  |
| 63      | 47.0  | 37.8  | 56.6  |

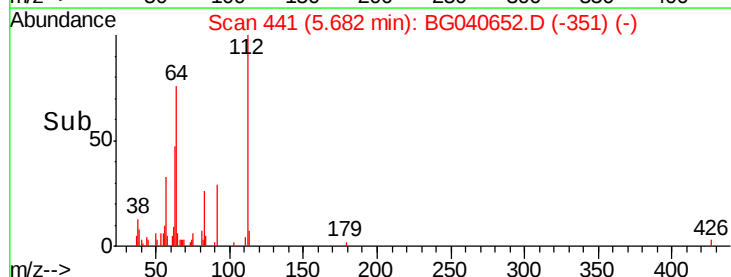
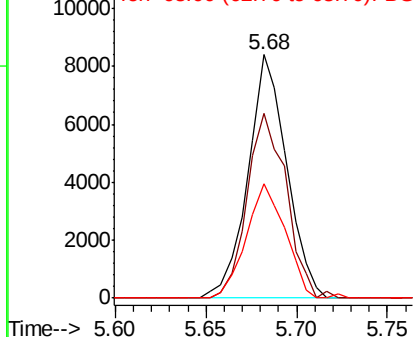


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 30.614 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA\_G

ClientSampleId :

2-CB-SOUTH

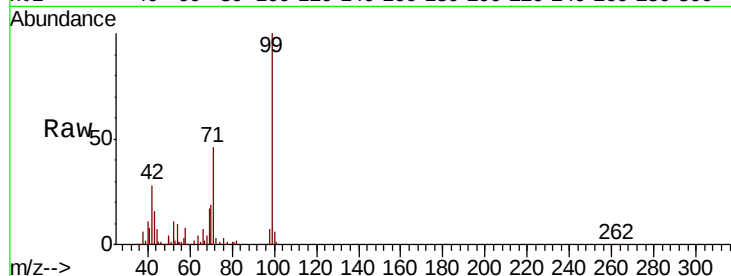
Tgt Ion: 99 Resp: 117128

Ion Ratio Lower Upper

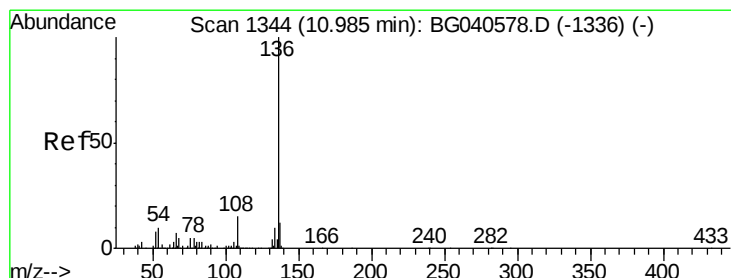
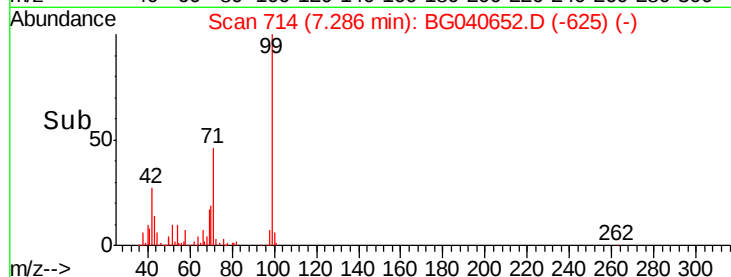
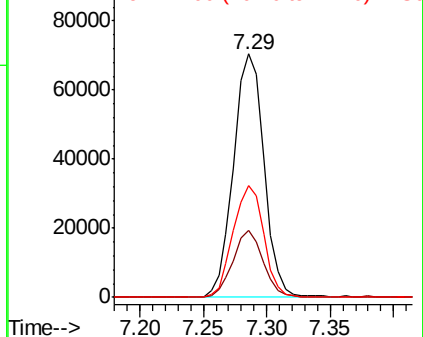
99 100

42 27.7 21.8 32.8

71 45.8 38.6 57.8



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Tgt Ion: 136 Resp: 180433

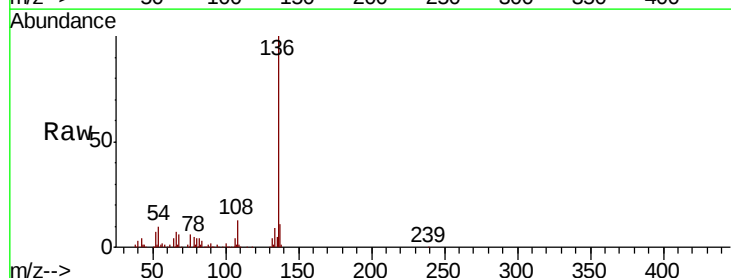
Ion Ratio Lower Upper

136 100

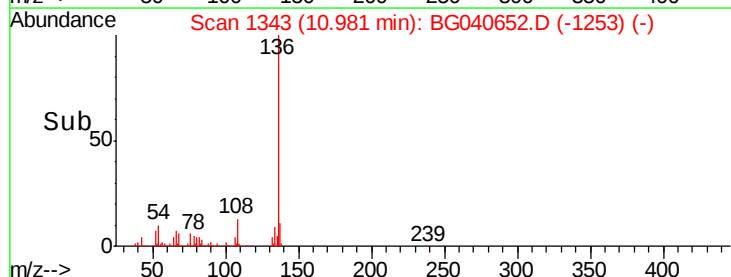
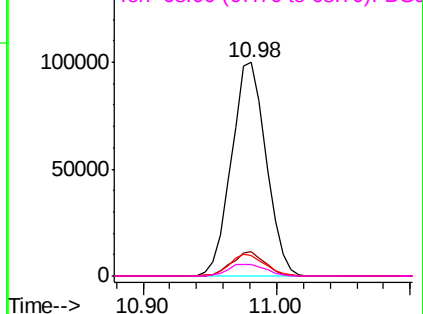
137 11.3 9.7 14.5

54 9.9 8.6 12.8

68 5.5 4.8 7.2



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

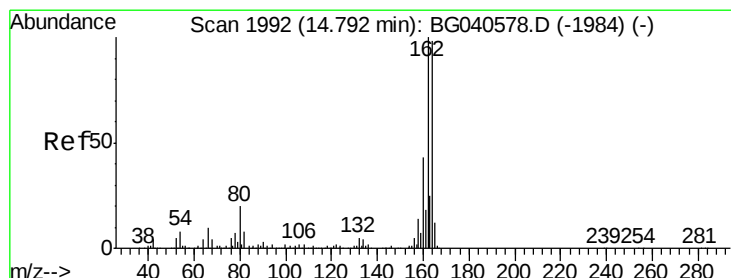
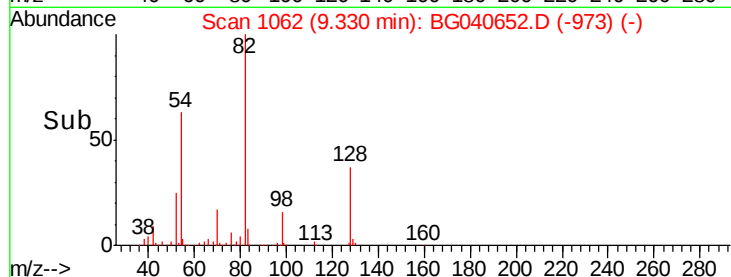
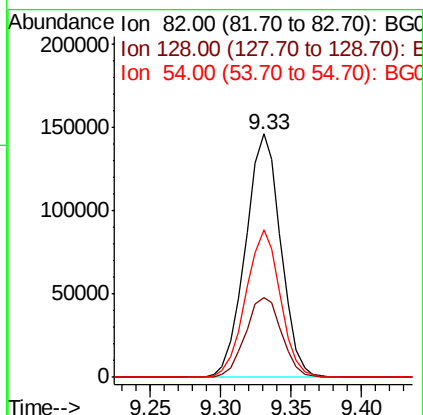
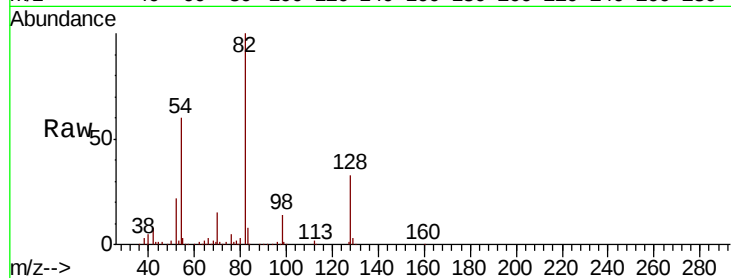




#23  
Nitrobenzene-d5  
Concen: 65.628 ng  
RT: 9.33 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: BG040652.D  
Acq: 27 Apr 2019 6:41

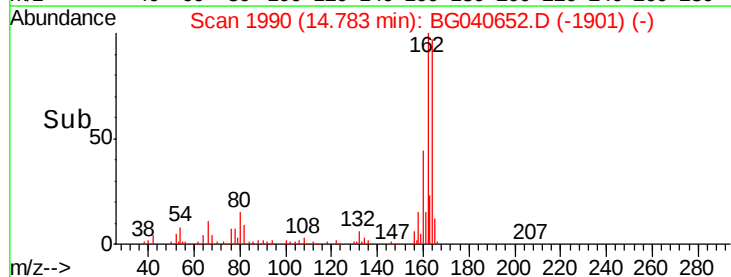
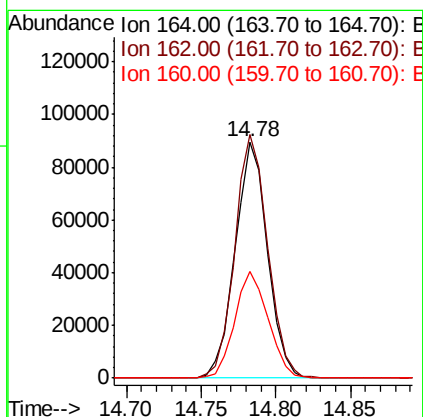
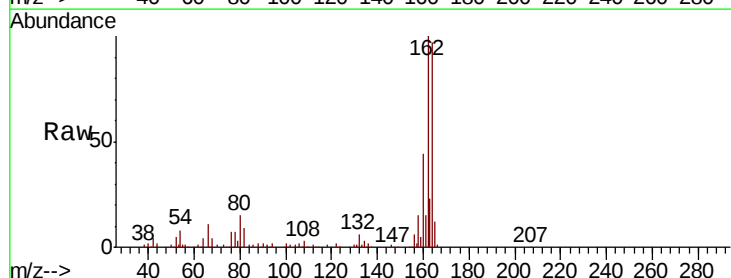
Instrument :  
BNA\_G  
ClientSampleId :  
2-CB-SOUTH

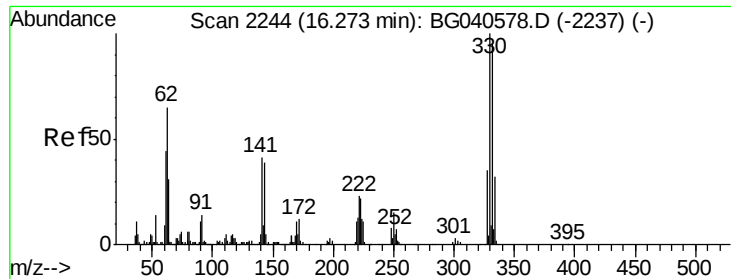
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 32.6  | 28.9  | 43.3  |
| 54      | 60.5  | 47.2  | 70.8  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. -0.01 min  
Lab File: BG040652.D  
Acq: 27 Apr 2019 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.2 | 81.9  | 122.9 |
| 160     | 45.4  | 35.4  | 53.2  |

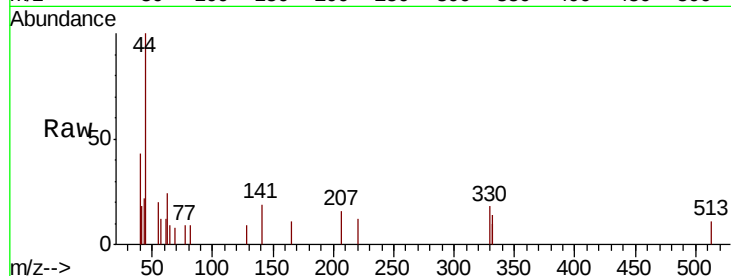




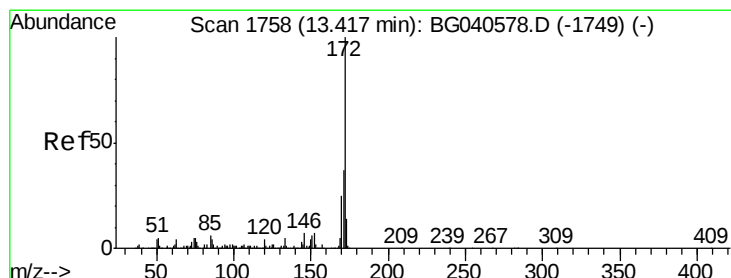
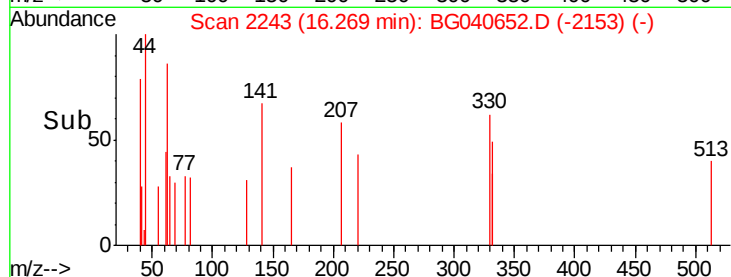
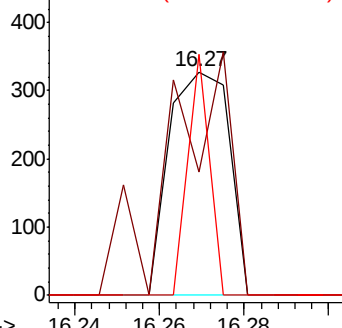
#42  
 2,4,6-Tribromophenol  
 Concen: 0.176 ng  
 RT: 16.27 min Scan# 2243  
 Delta R.T. -0.00 min  
 Lab File: BG040652.D  
 Acq: 27 Apr 2019 6:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2-CB-SOUTH

Tgt Ion:330 Resp: 324  
 Ion Ratio Lower Upper  
 330 100  
 332 110.5 75.9 113.9  
 141 38.6 32.4 48.6

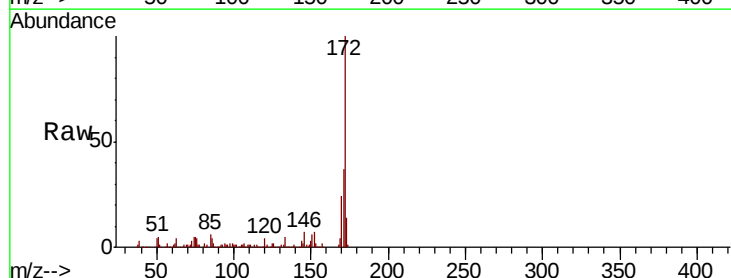


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

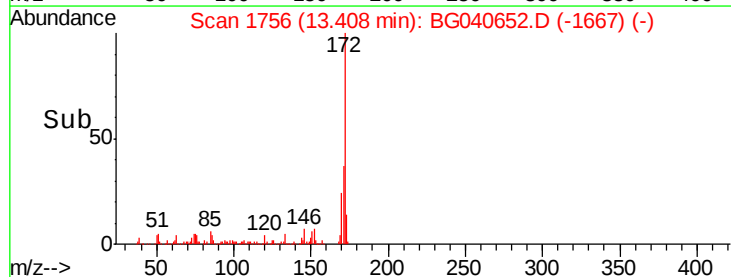
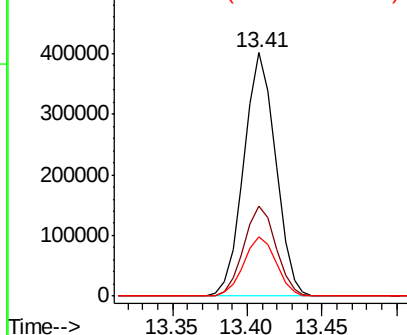


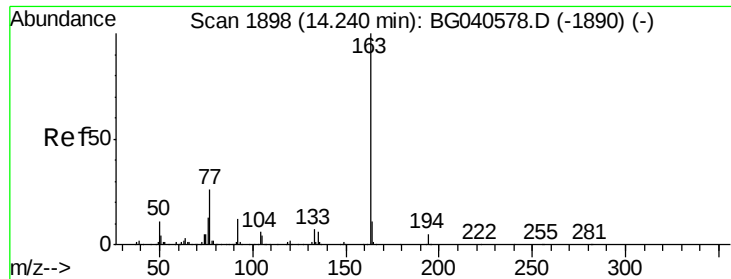
#45  
 2-Fluorobiphenyl  
 Concen: 63.807 ng  
 RT: 13.41 min Scan# 1756  
 Delta R.T. -0.01 min  
 Lab File: BG040652.D  
 Acq: 27 Apr 2019 6:41

Tgt Ion:172 Resp: 592509  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.4 44.2  
 170 24.3 19.9 29.9



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: 4.698 ng

RT: 14.22 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA\_G

ClientSampleId :

2-CB-SOUTH

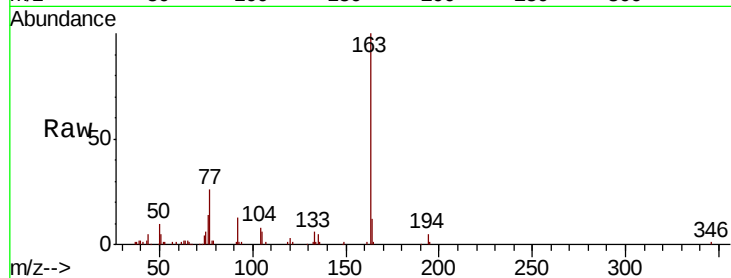
Tgt Ion:163 Resp: 52719

Ion Ratio Lower Upper

163 100

194 4.5 3.8 5.8

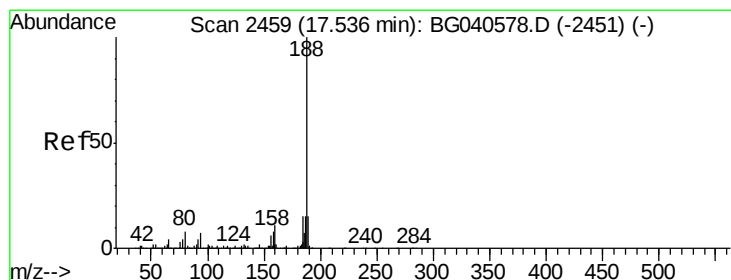
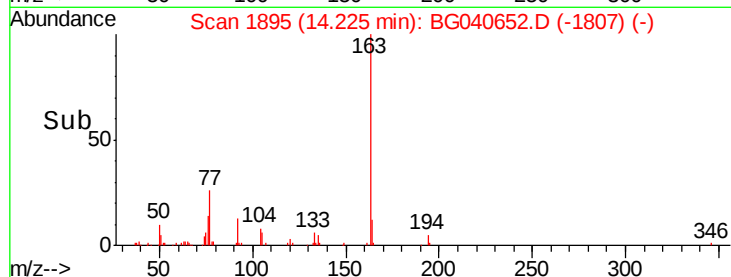
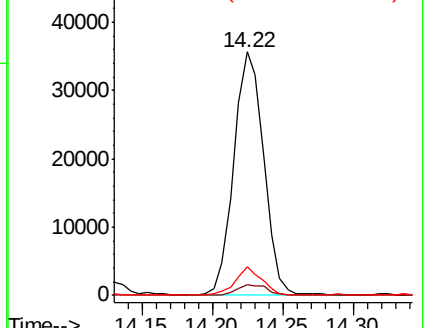
164 11.7 8.8 13.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

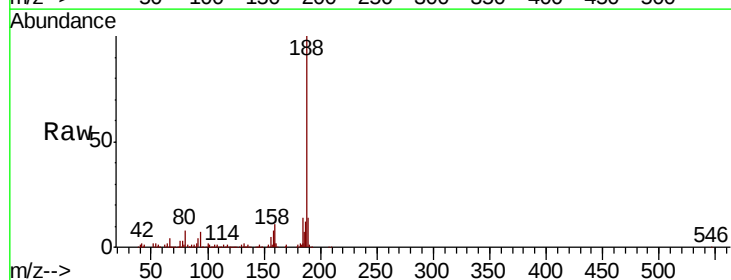
Tgt Ion:188 Resp: 361523

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

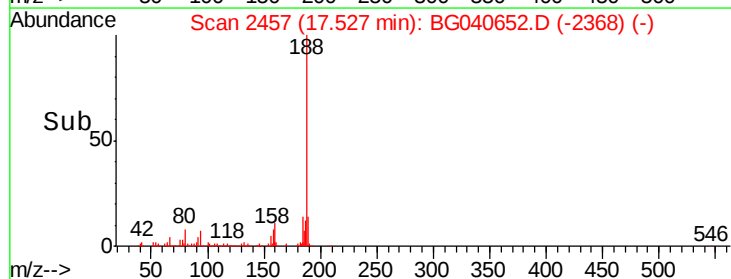
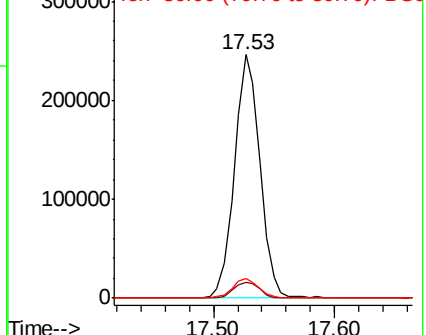
80 8.2 6.4 9.6

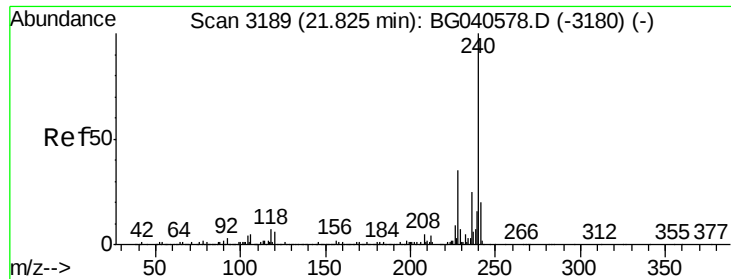


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3187

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA\_G

ClientSampleId :

2-CB-SOUTH

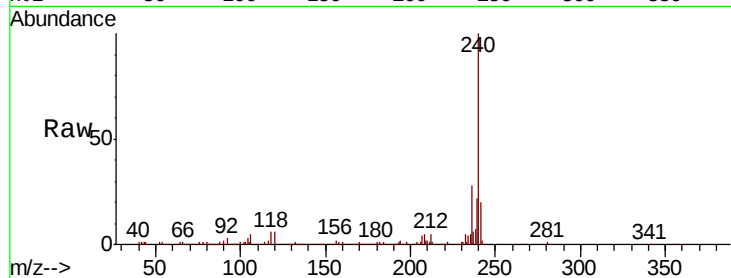
Tgt Ion:240 Resp: 361925

Ion Ratio Lower Upper

240 100

120 5.7 5.0 7.6

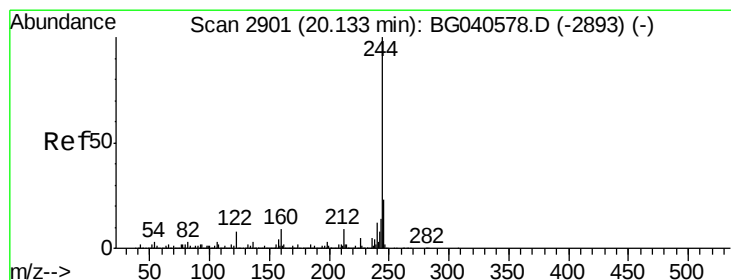
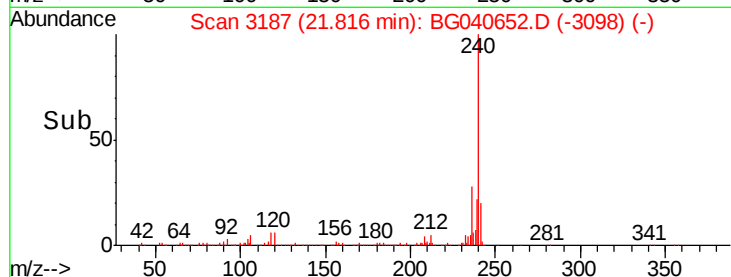
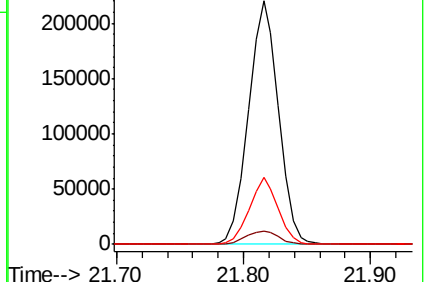
236 27.7 20.3 30.5



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: 72.507 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

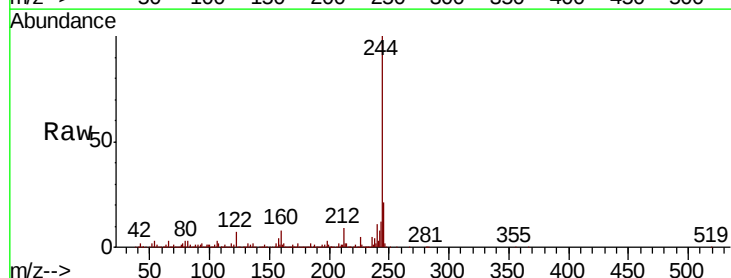
Tgt Ion:244 Resp: 1184519

Ion Ratio Lower Upper

244 100

212 8.5 7.2 10.8

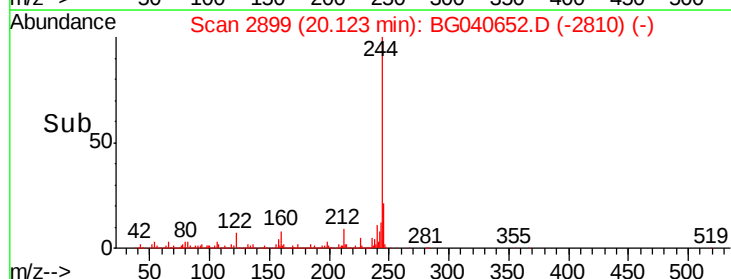
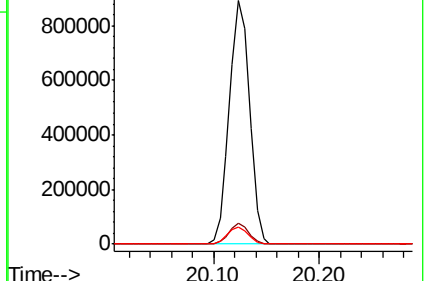
122 7.2 6.6 10.0

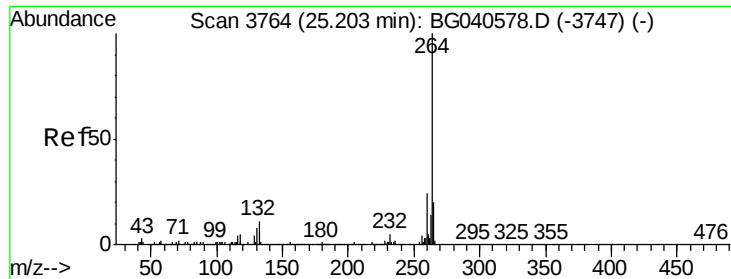


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.19 min Scan# 3761  
 Delta R.T. -0.02 min  
 Lab File: BG040652.D  
 Acq: 27 Apr 2019 6:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2-CB-SOUTH

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 21.1  | 16.6  | 25.0  |

