

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\  
 Data File : BG039970.D  
 Acq On : 16 Mar 2019 10:27  
 Operator : JU/SJ  
 Sample : K1685-04  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-031419-B

Quant Time: Mar 18 01:33:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 46384    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.96 | 136  | 196504   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 136567   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.51 | 188  | 333105   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 334030   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.17 | 264  | 332325   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 343862   | 126.47 | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 444571   | 109.66 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 383899   | 105.66 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330  | 233767   | 146.86 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.40 | 172  | 871400   | 90.85  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.11 | 244  | 1480345  | 97.58  | ng    | -0.01    |

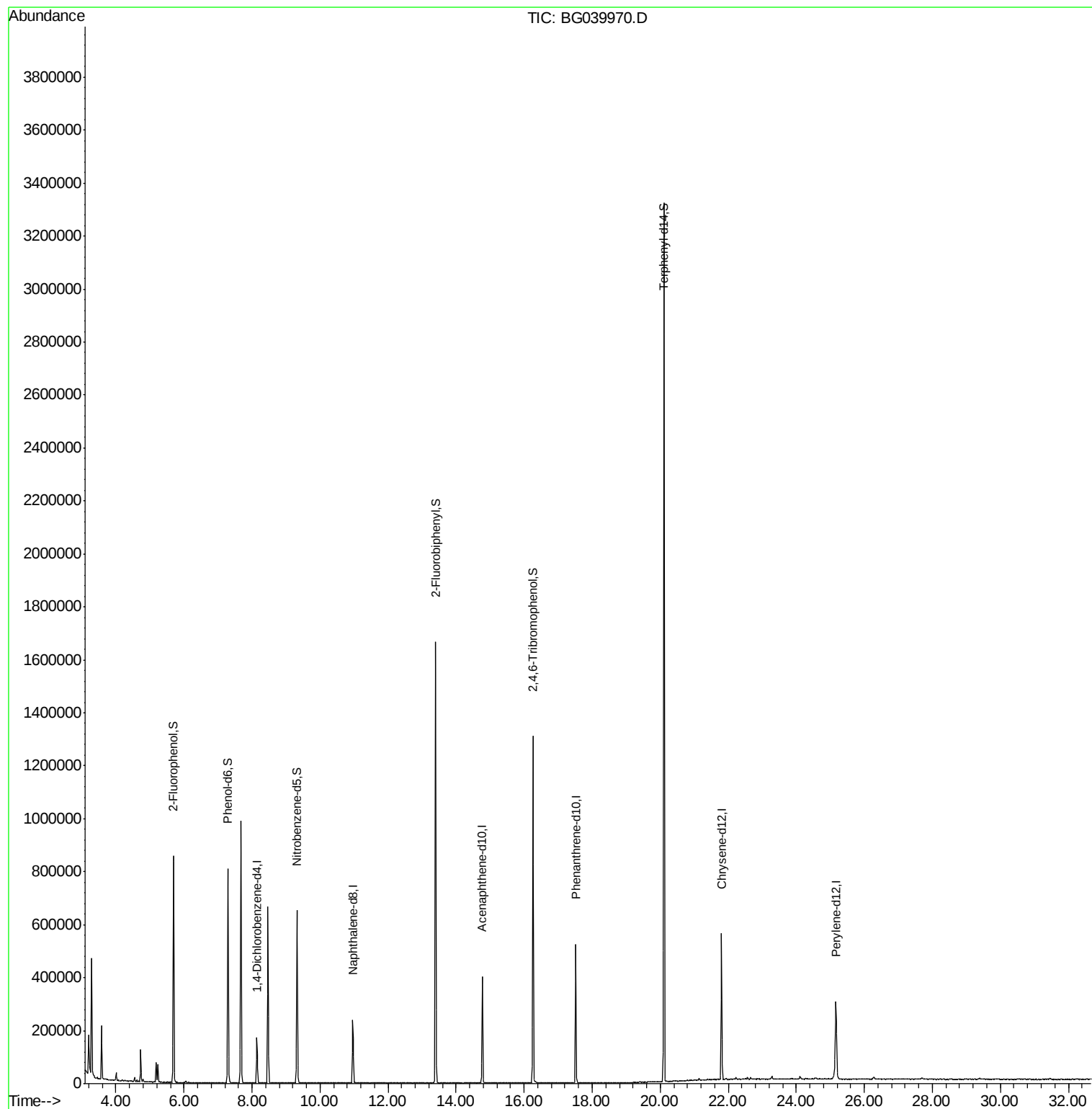
Target Compounds Qvalue

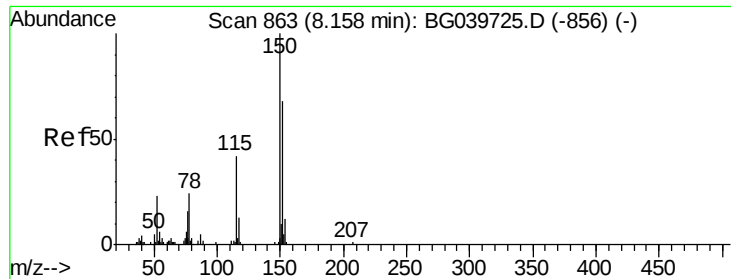
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\  
Data File : BG039970.D  
Acq On : 16 Mar 2019 10:27  
Operator : JU/SJ  
Sample : K1685-04  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-031419-B

Quant Time: Mar 18 01:33:52 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



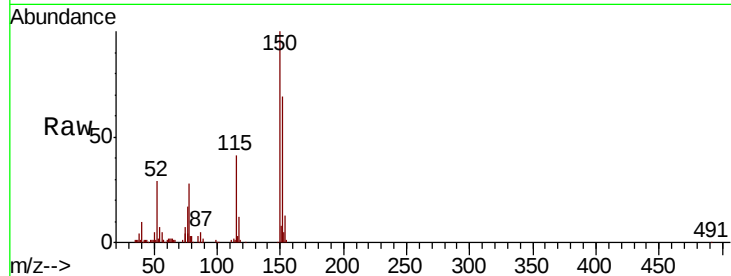


#1

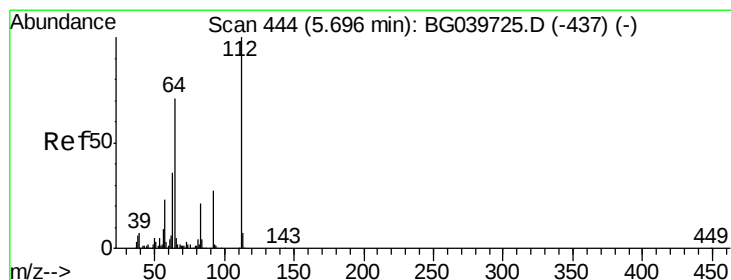
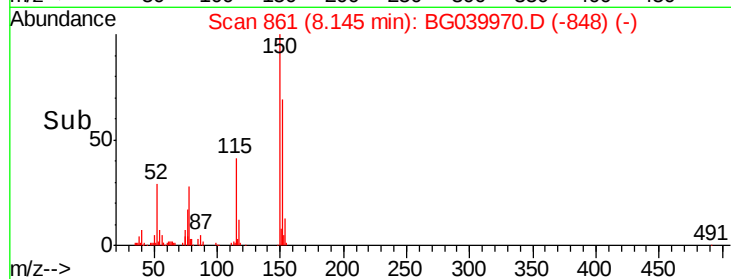
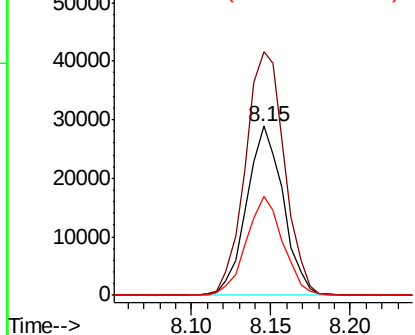
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 861  
Delta R.T. -0.02 min  
Lab File: BG039970.D  
Acq: 16 Mar 2019 10:27

Instrument :  
BNA\_G  
ClientSampleId :  
AU-05-031419-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.2 | 123.7 | 185.5 |
| 115     | 58.8  | 45.9  | 68.9  |



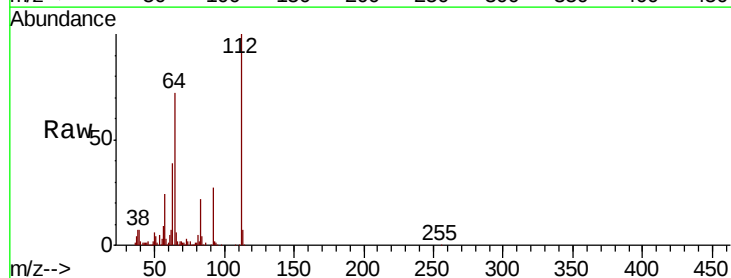
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



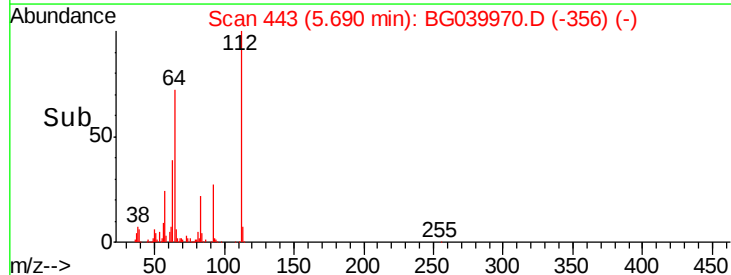
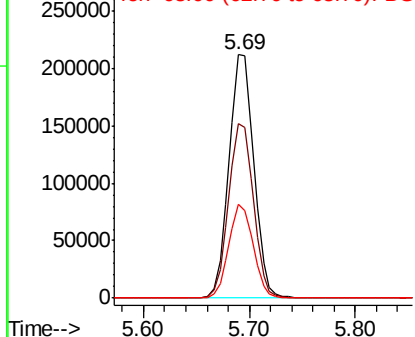
#5

2-Fluorophenol  
Concen: 126.473 ng  
RT: 5.69 min Scan# 443  
Delta R.T. -0.02 min  
Lab File: BG039970.D  
Acq: 16 Mar 2019 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.9  | 57.8  | 86.8  |
| 63      | 38.7  | 29.8  | 44.6  |



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: 109.663 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Instrument :

BNA\_G

ClientSampleId :

AU-05-031419-B

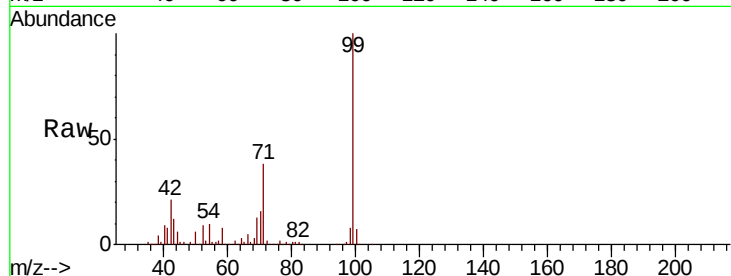
Tot Ion: 99 Resp: 444571

Ion Ratio Lower Upper

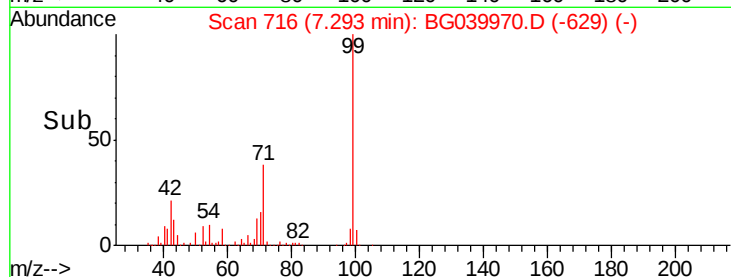
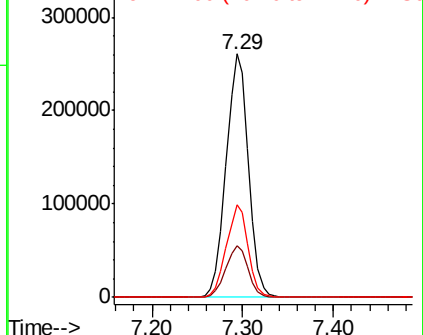
99 100

42 21.2 18.2 27.2

71 38.3 28.0 42.0



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: 10.96 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Tgt Ion: 136 Resp: 196504

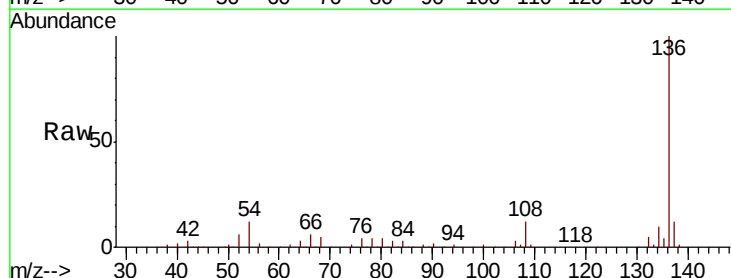
Ion Ratio Lower Upper

136 100

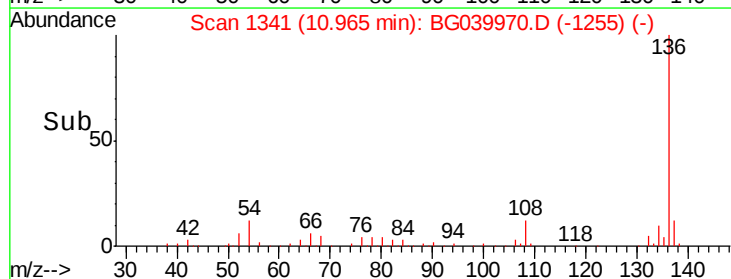
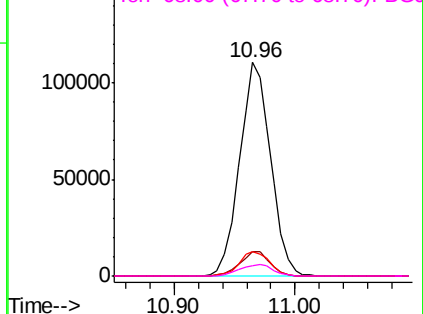
137 11.7 9.1 13.7

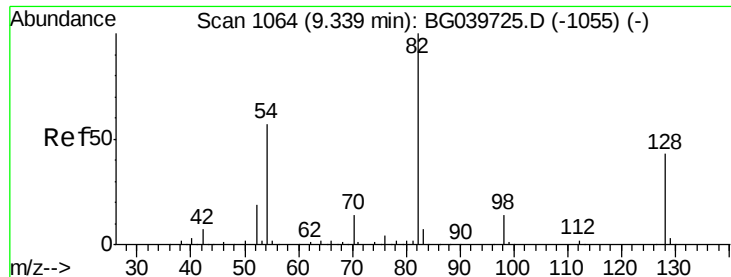
54 11.7 9.4 14.2

68 5.0 4.2 6.4



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

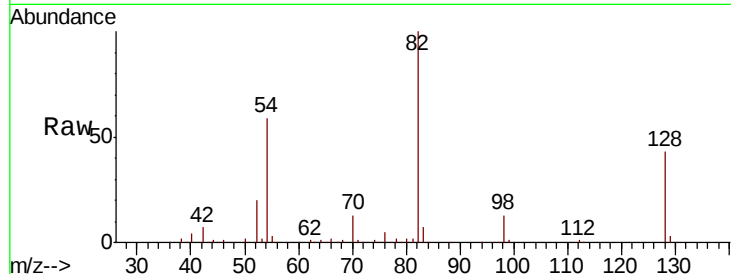




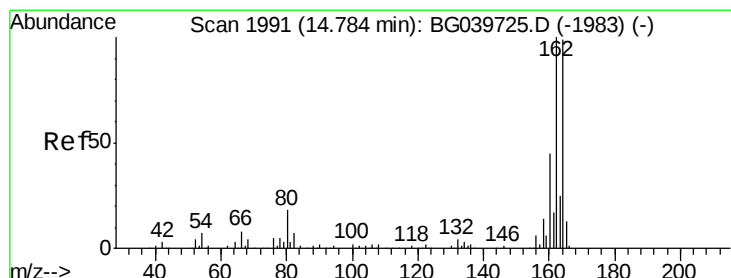
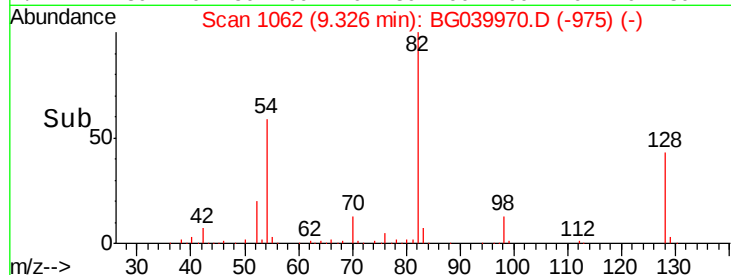
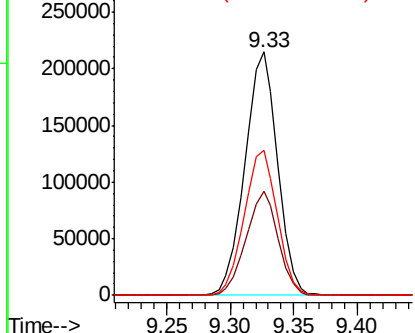
#23  
 Nitrobenzene-d5  
 Concen: 105.661 ng  
 RT: 9.33 min Scan# 1062  
 Delta R.T. -0.02 min  
 Lab File: BG039970.D  
 Acq: 16 Mar 2019 10:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-031419-B

Tot Ion: 82 Resp: 383899  
 Ion Ratio Lower Upper  
 82 100  
 128 42.8 31.3 46.9  
 54 59.4 50.9 76.3

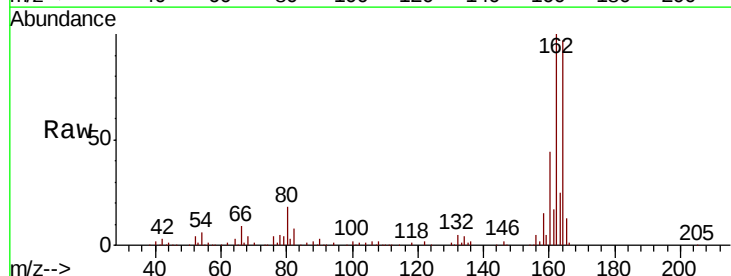


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

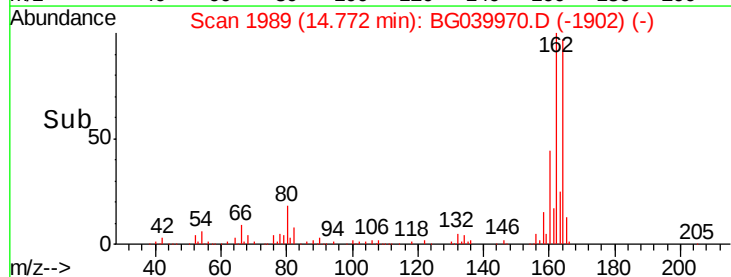
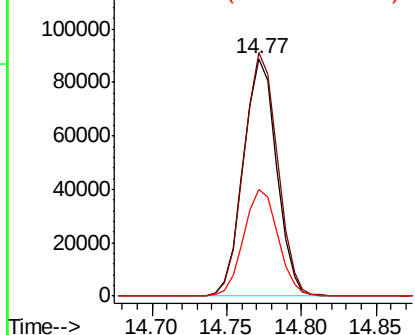


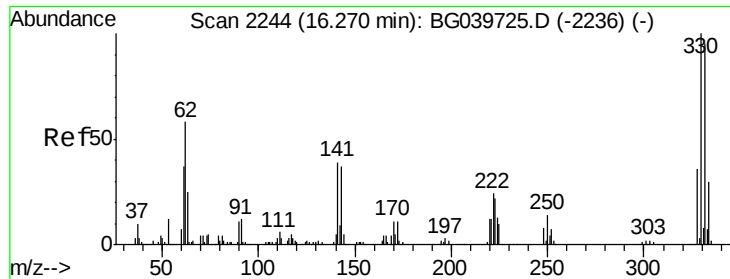
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.77 min Scan# 1989  
 Delta R.T. -0.02 min  
 Lab File: BG039970.D  
 Acq: 16 Mar 2019 10:27

Tgt Ion:164 Resp: 136567  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 81.6 122.4  
 160 44.8 34.2 51.2



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

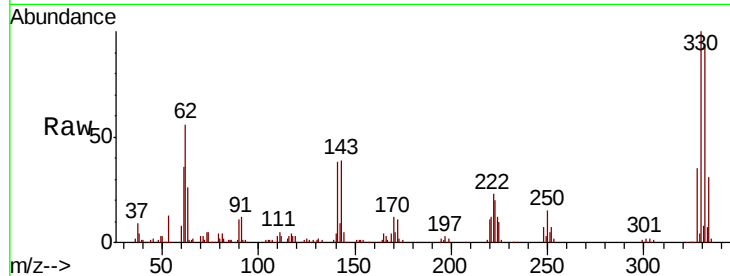




#42  
 2,4,6-Tribromophenol  
 Concen: 146.858 ng  
 RT: 16.26 min Scan# 2243  
 Delta R.T. -0.01 min  
 Lab File: BG039970.D  
 Acq: 16 Mar 2019 10:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AU-05-031419-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 75.7  | 113.5 |
| 141     | 41.7  | 35.6  | 53.4  |

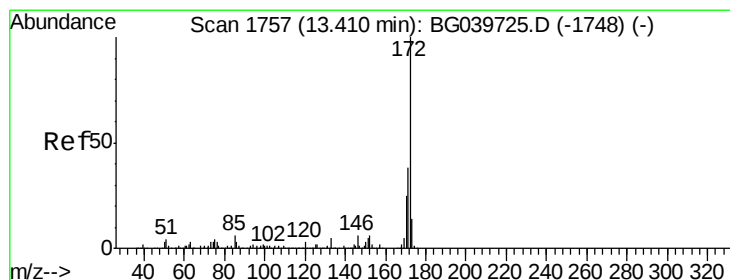
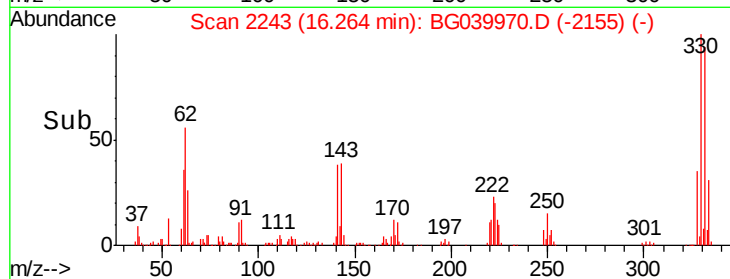
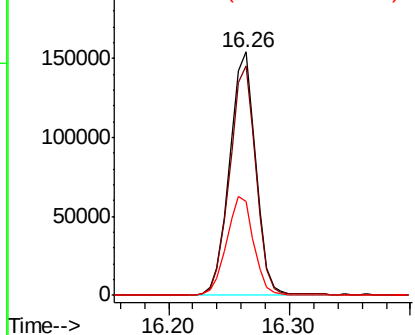


Abundance

Ion 329.80 (329.50 to 330.50): E

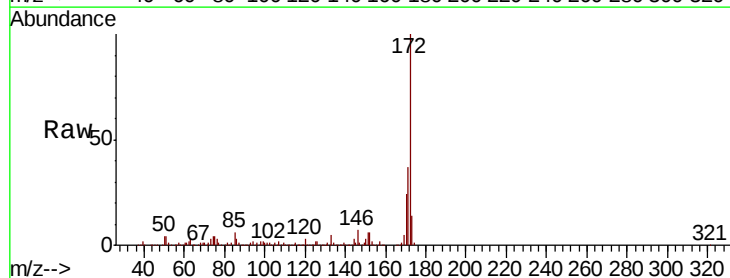
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 90.851 ng  
 RT: 13.40 min Scan# 1755  
 Delta R.T. -0.02 min  
 Lab File: BG039970.D  
 Acq: 16 Mar 2019 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 30.8  | 46.2  |
| 170     | 24.4  | 20.2  | 30.4  |

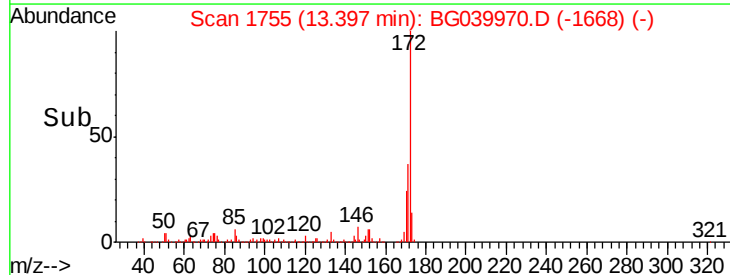
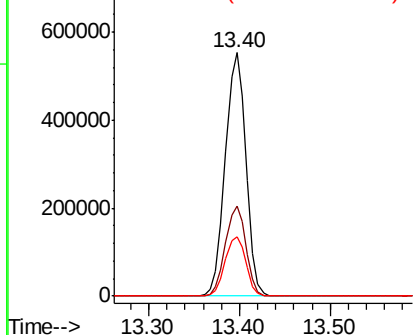


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Instrument :

BNA\_G

ClientSampleId :

AU-05-031419-B

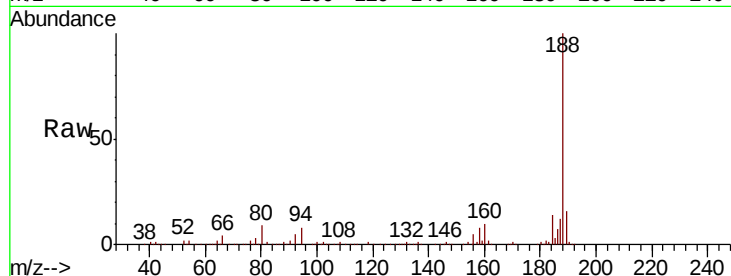
Tot Ion:188 Resp: 333105

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

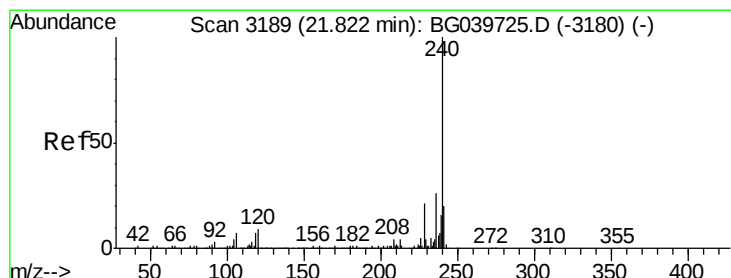
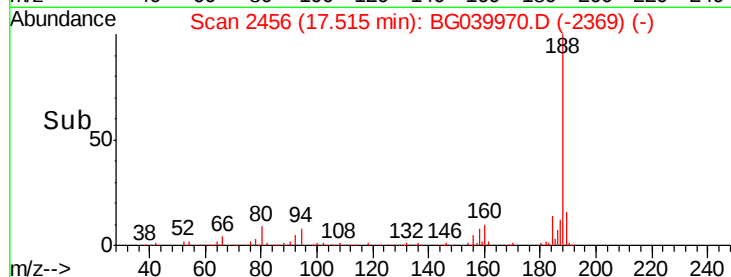
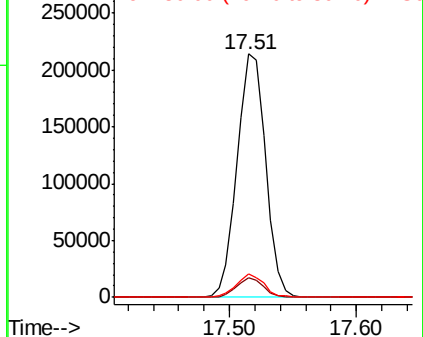
80 9.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

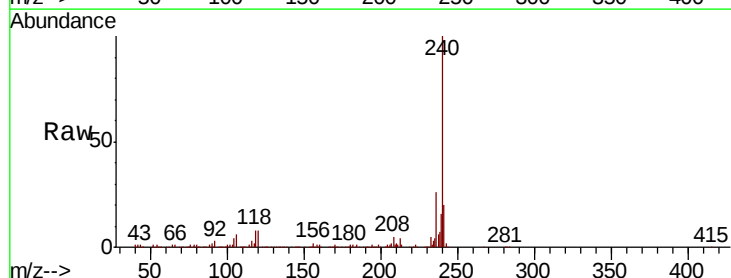
Tgt Ion:240 Resp: 334030

Ion Ratio Lower Upper

240 100

120 8.2 7.0 10.6

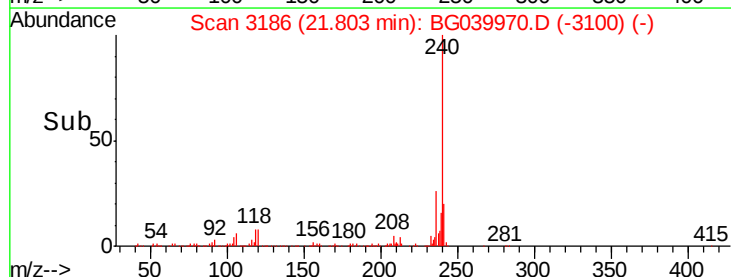
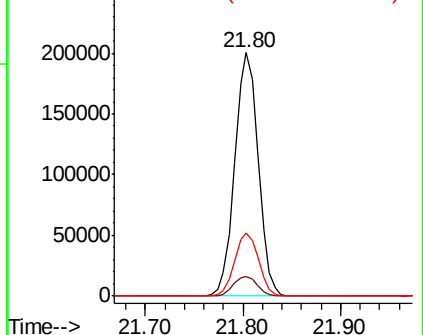
236 25.8 21.0 31.4

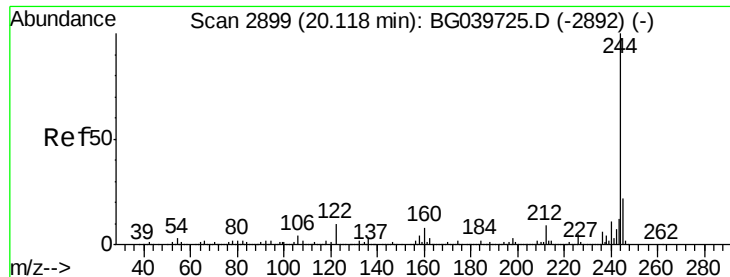


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 97.579 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Instrument :

BNA\_G

ClientSampleId :

AU-05-031419-B

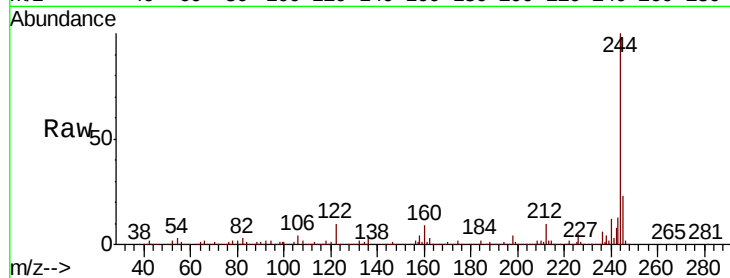
Tot Ion:244 Resp: 1480345

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

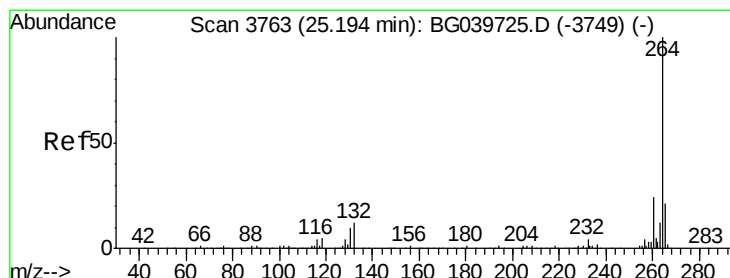
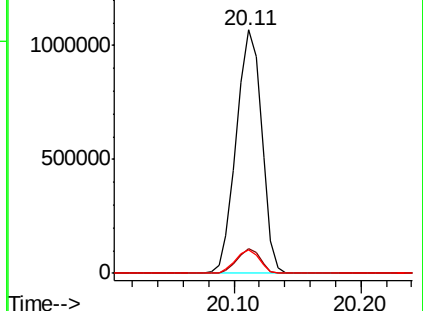
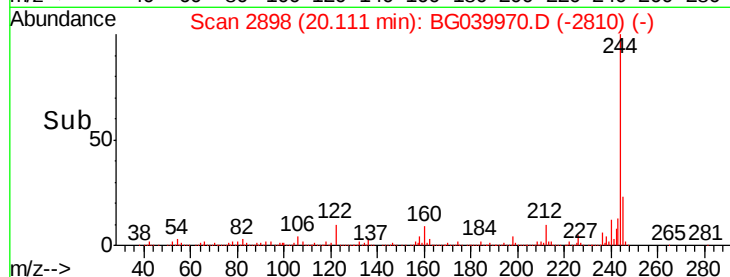
122 9.6 8.4 12.6



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: 25.17 min Scan# 3759

Delta R.T. -0.03 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

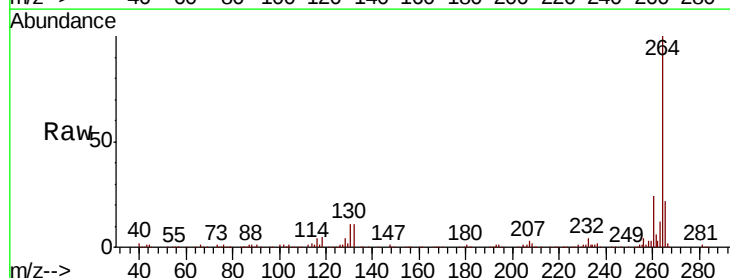
Tgt Ion:264 Resp: 332325

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 21.7 18.5 27.7



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

