

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101015\  
 Data File : BG019141.D  
 Acq On : 11 Oct 2015 6:04  
 Operator : UM/NP  
 Sample : G3929-16  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-11

Quant Time: Oct 12 07:44:53 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 07:23:23 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 15595    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 70546    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.66 | 164  | 51680    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.40 | 188  | 128553   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.67 | 240  | 152513   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.90 | 264  | 145621   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 53993    | 70.49  | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 50549    | 42.96  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 140206   | 109.81 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 110616   | 157.07 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 351320   | 104.53 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.02 | 244  | 599236   | 103.79 | ng    | 0.00     |

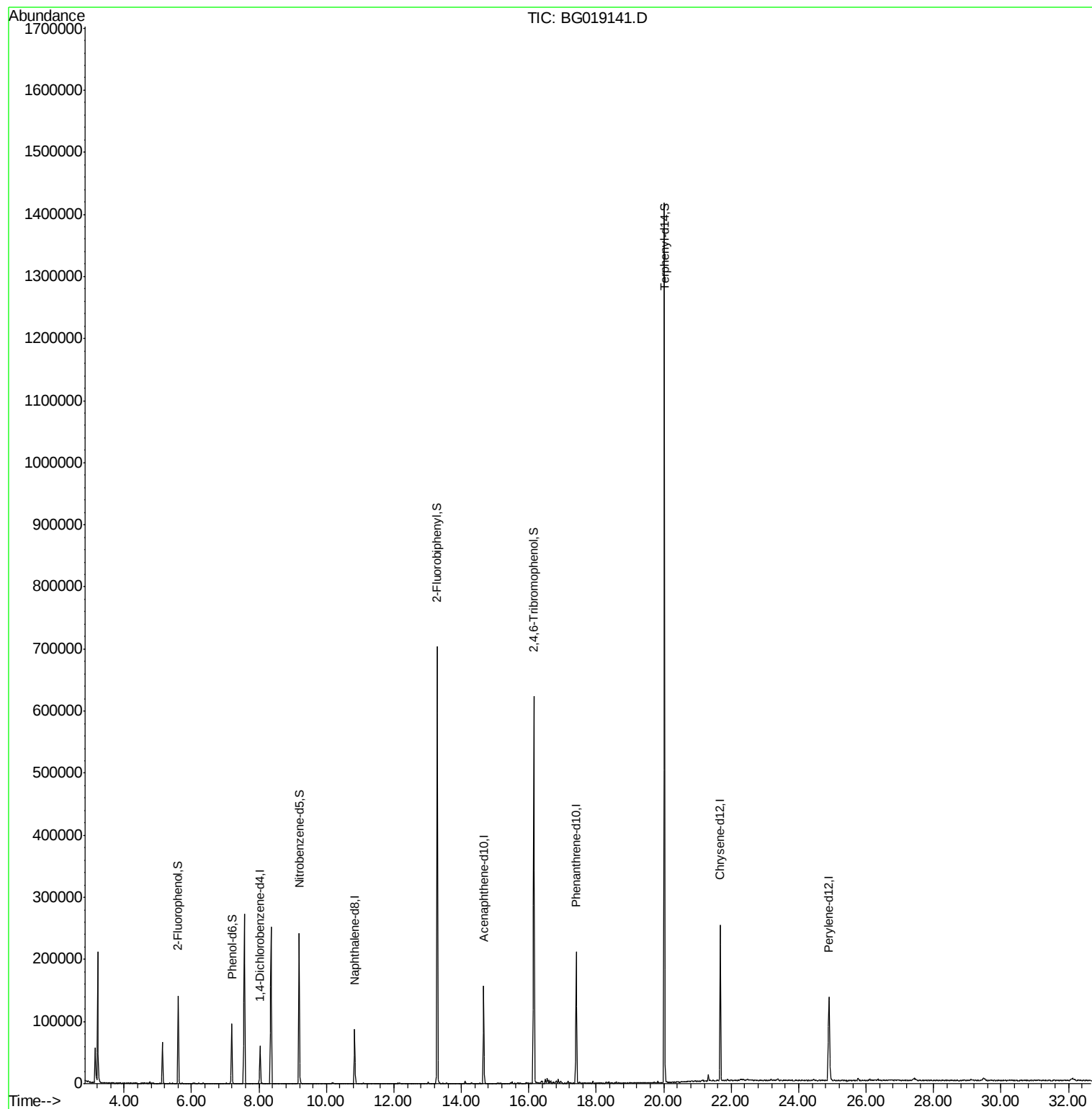
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

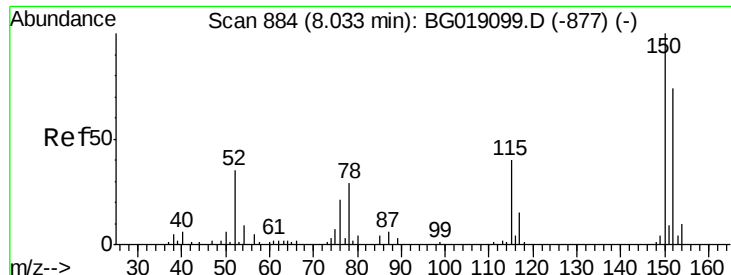
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 12 07:23:23 2015  
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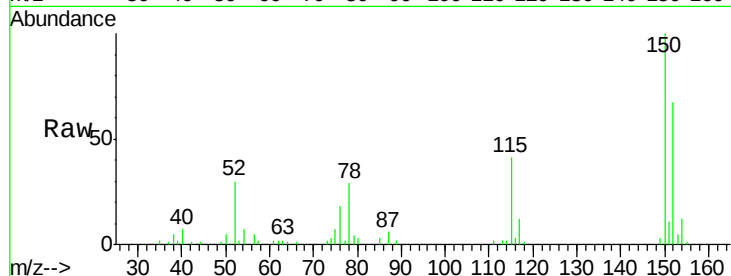


#1

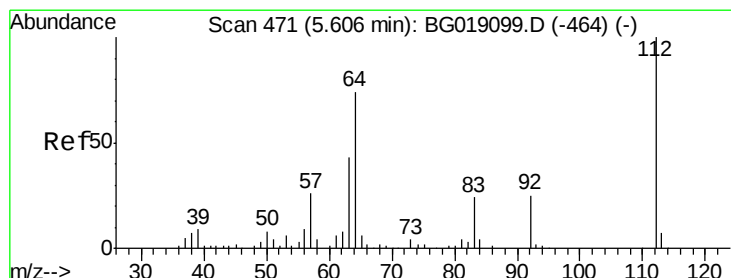
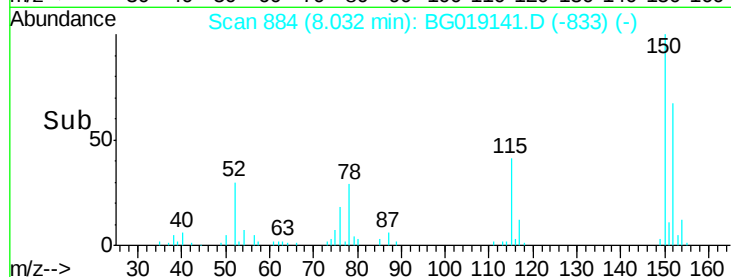
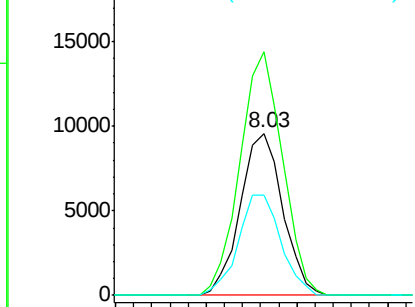
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BG019141.D  
Acq: 11 Oct 2015 6:04

Instrument :  
BNA\_G  
ClientSampleId :  
MW-11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.2 | 108.2 | 162.2 |
| 115     | 61.5  | 43.2  | 64.8  |



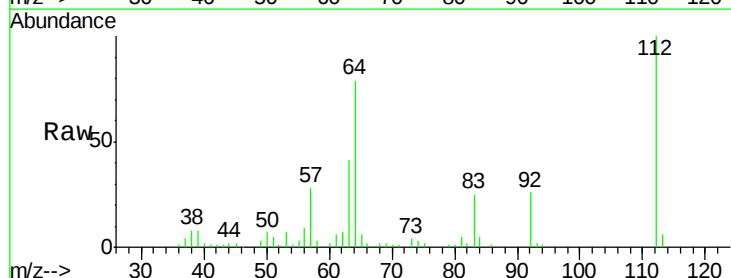
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



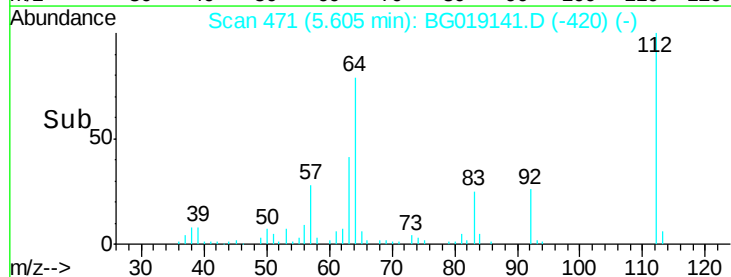
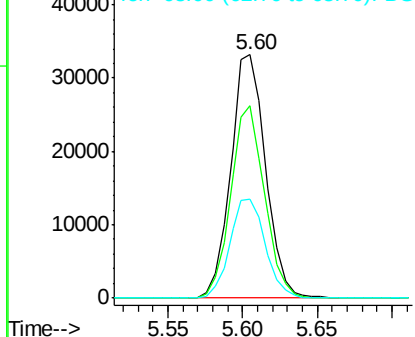
#5

2-Fluorophenol  
Concen: 70.49 ng  
RT: 5.60 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: BG019141.D  
Acq: 11 Oct 2015 6:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 79.0  | 59.0  | 88.4  |
| 63      | 40.9  | 34.7  | 52.1  |



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





#7

Phenol-d6

Concen: 42.96 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019141.D

Acq: 11 Oct 2015 6:04

Instrument :

BNA\_G

ClientSampleId :

MW-11

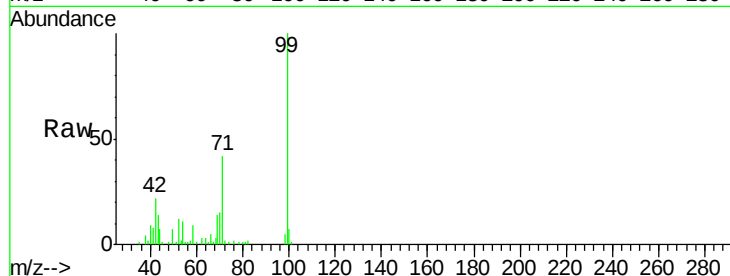
Tgt Ion: 99 Resp: 50549

Ion Ratio Lower Upper

99 100

42 22.5 19.5 29.3

71 41.8 31.4 47.0

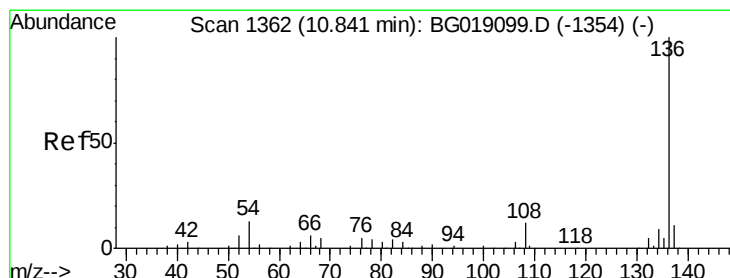
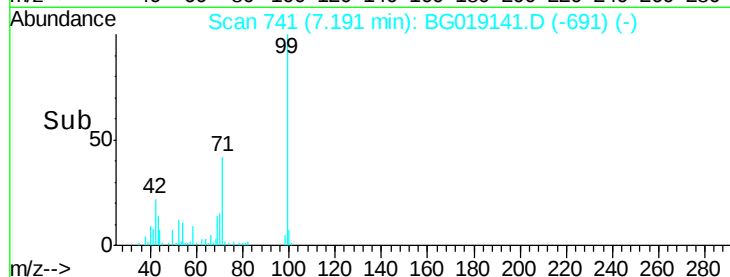
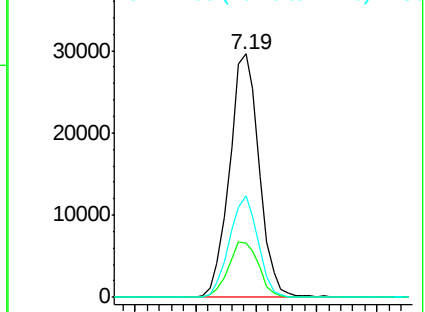


Abundance

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: 20.00 ng

RT: 10.83 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BG019141.D

Acq: 11 Oct 2015 6:04

Tgt Ion: 136 Resp: 70546

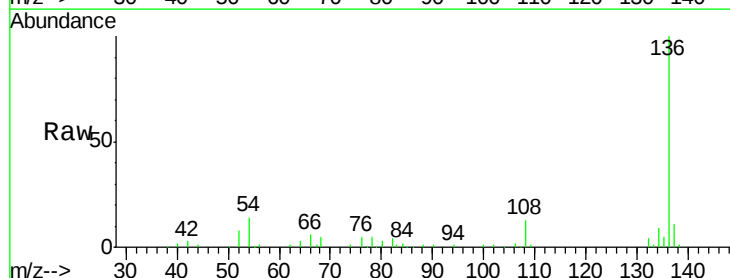
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 14.1 10.1 15.1

68 5.1 4.4 6.6



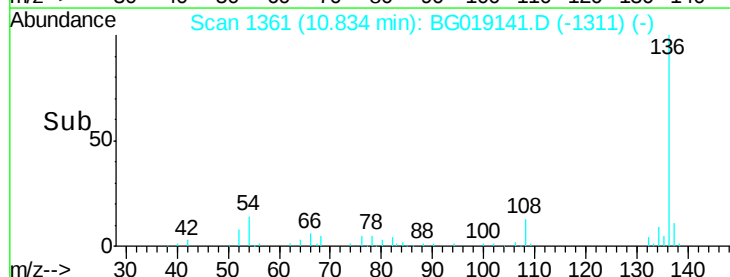
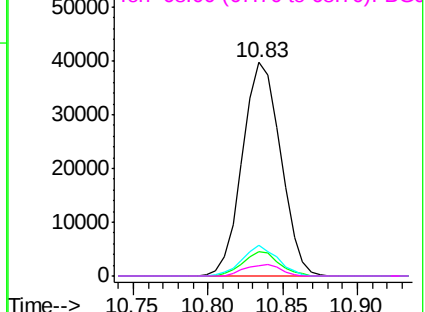
Abundance

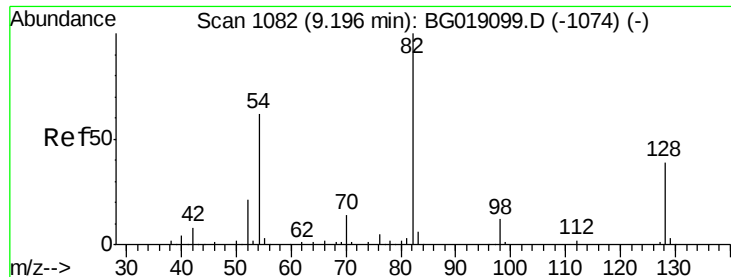
Ion 136.00 (135.70 to 136.70): BGC

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

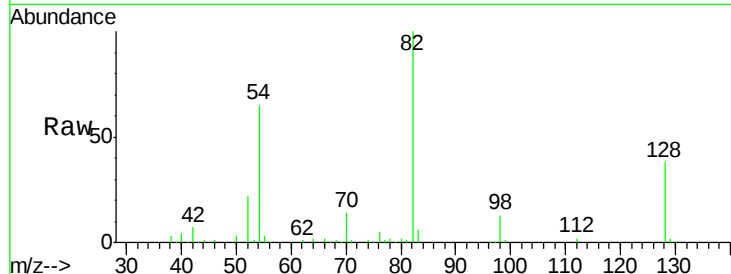




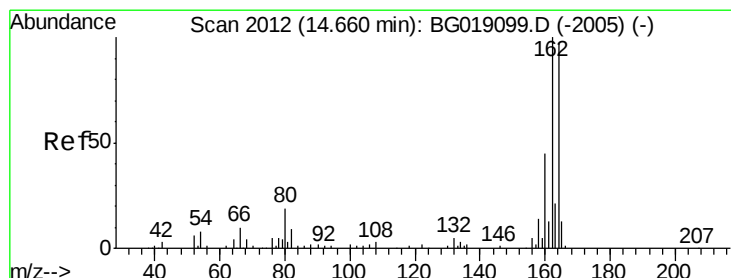
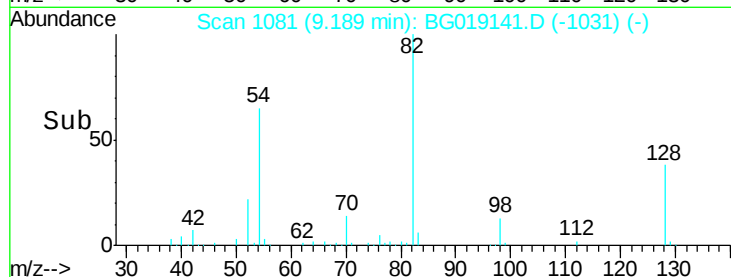
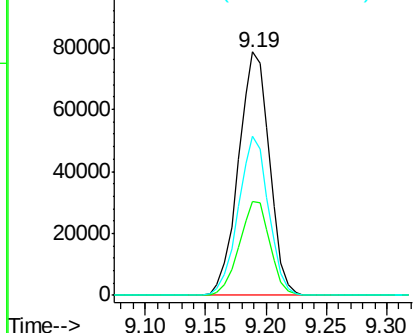
#23  
 Nitrobenzene-d5  
 Concen: 109.81 ng  
 RT: 9.19 min Scan# 1081  
 Delta R.T. -0.01 min  
 Lab File: BG019141.D  
 Acq: 11 Oct 2015 6:04

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.5  | 31.4  | 47.2  |
| 54      | 65.2  | 50.0  | 75.0  |

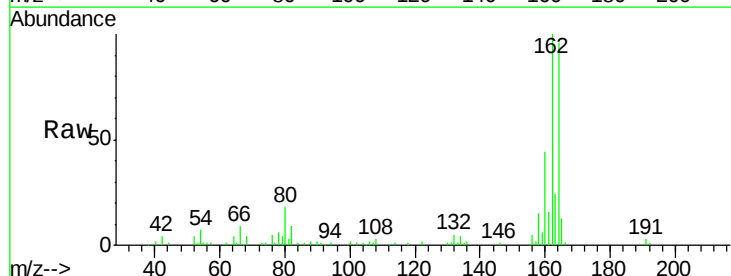


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

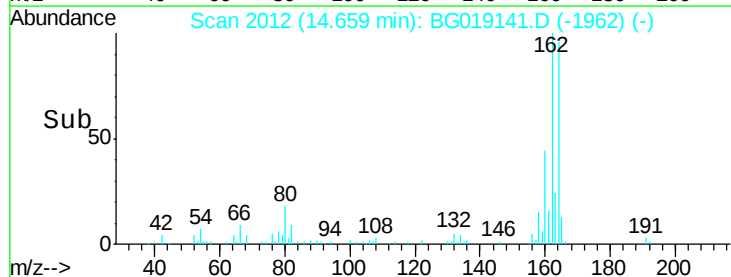
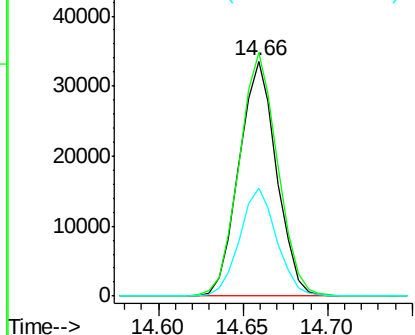


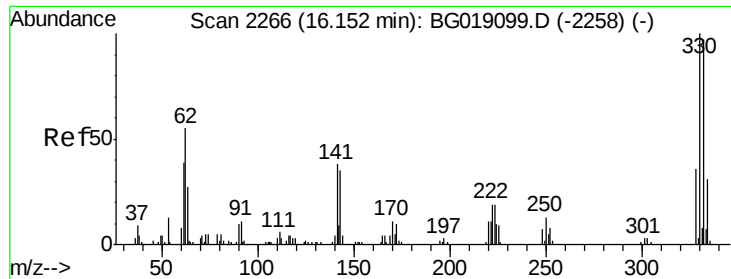
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.66 min Scan# 2012  
 Delta R.T. -0.01 min  
 Lab File: BG019141.D  
 Acq: 11 Oct 2015 6:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 82.6  | 124.0 |
| 160     | 45.8  | 36.9  | 55.3  |



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

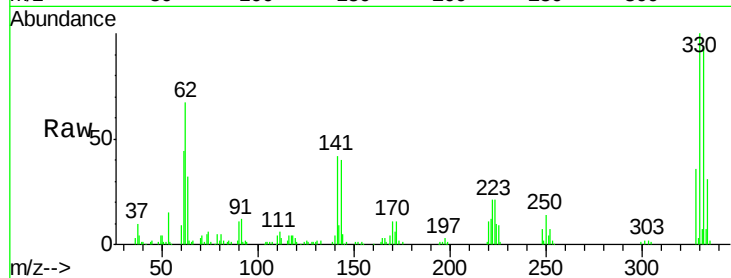




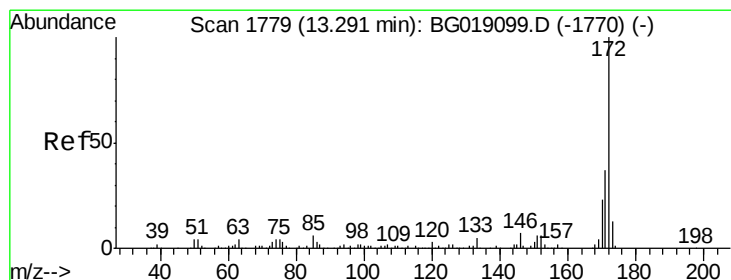
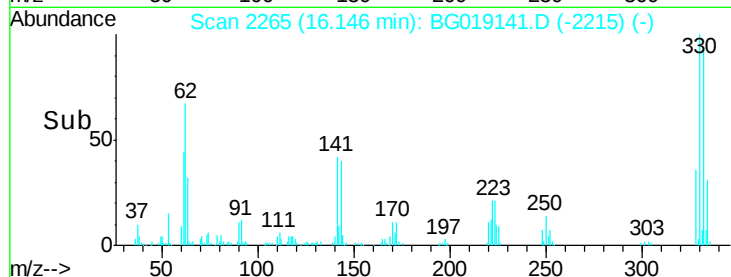
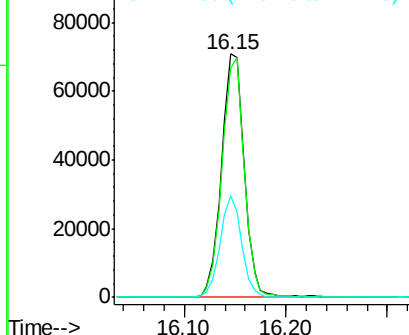
#41  
 2,4,6-Tribromophenol  
 Concen: 157.07 ng  
 RT: 16.15 min Scan# 2265  
 Delta R.T. -0.01 min  
 Lab File: BG019141.D  
 Acq: 11 Oct 2015 6:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-11

Tgt Ion:330 Resp: 110616  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.3 115.9  
 141 39.2 30.7 46.1

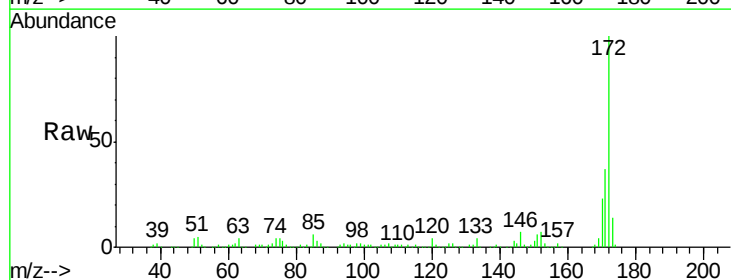


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

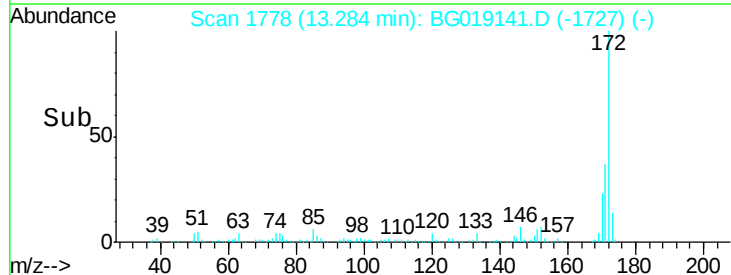
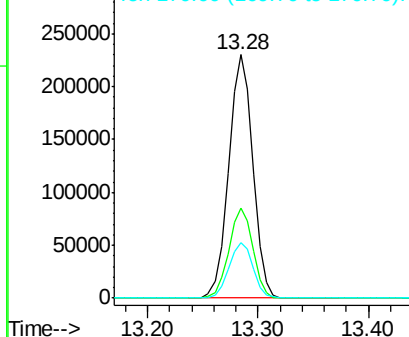


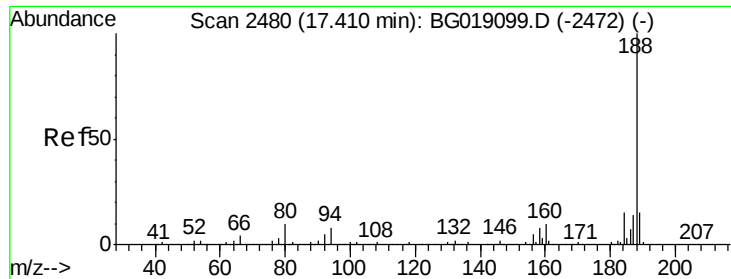
#44  
 2-Fluorobiphenyl  
 Concen: 104.53 ng  
 RT: 13.28 min Scan# 1778  
 Delta R.T. 0.00 min  
 Lab File: BG019141.D  
 Acq: 11 Oct 2015 6:04

Tgt Ion:172 Resp: 351320  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.9 44.9  
 170 23.0 18.6 27.8



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

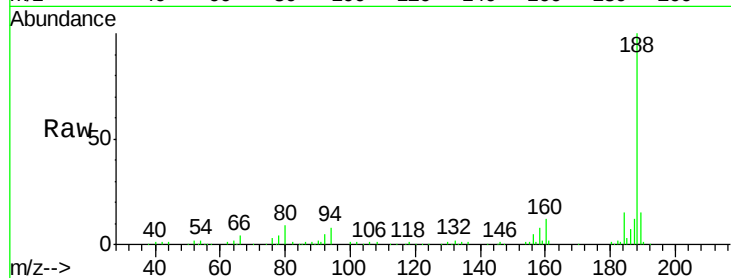




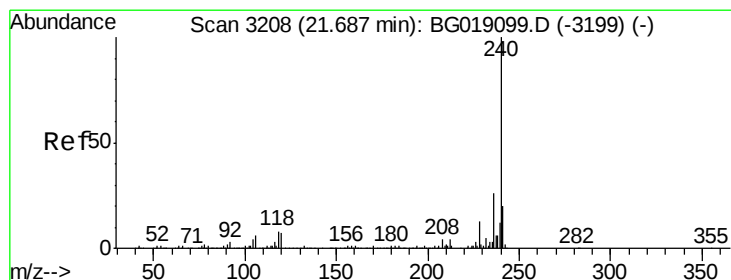
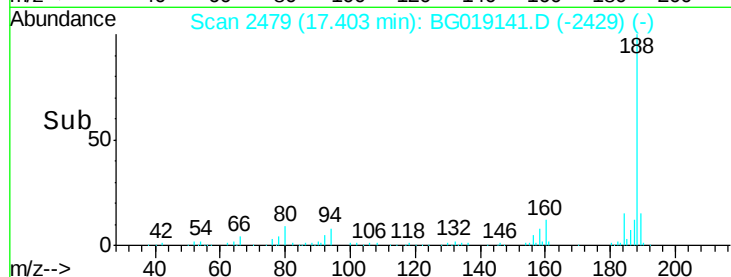
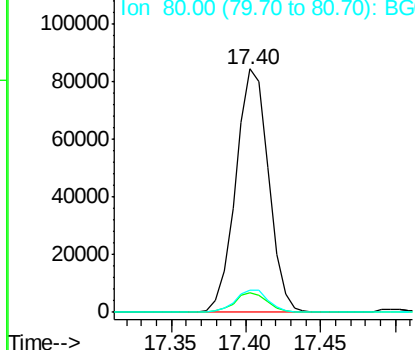
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.40 min Scan# 2479  
Delta R.T. -0.01 min  
Lab File: BG019141.D  
Acq: 11 Oct 2015 6:04

Instrument :  
BNA\_G  
ClientSampled :  
MW-11

Tgt Ion:188 Resp: 128553  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.4 9.6  
80 9.1 7.6 11.4

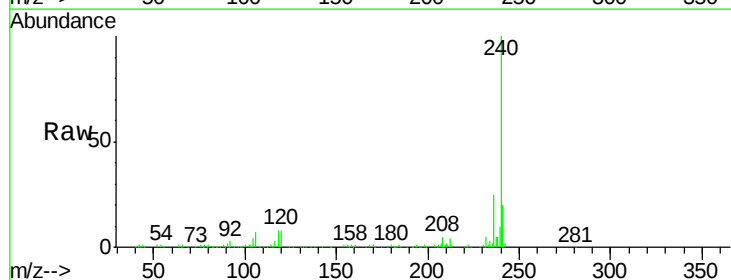


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

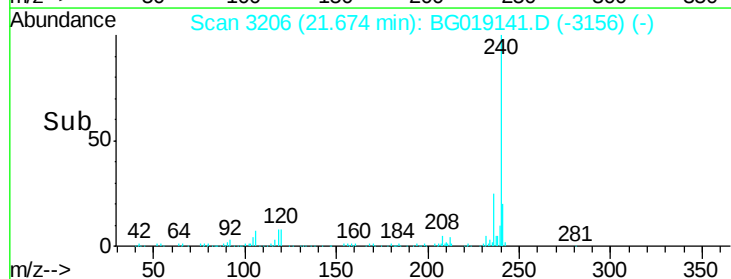
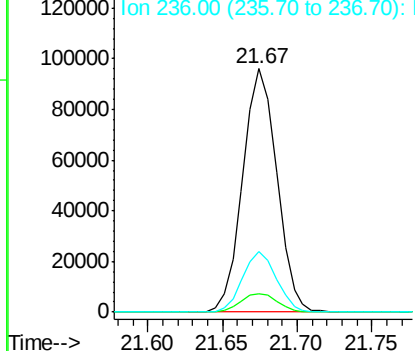


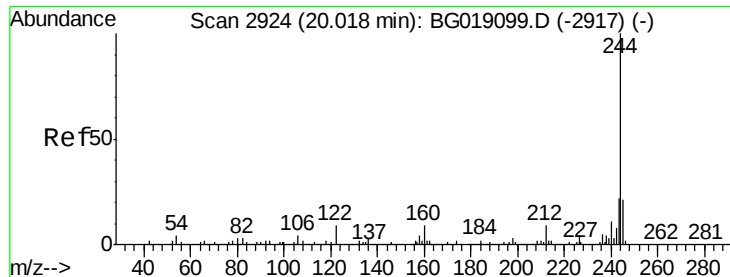
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.67 min Scan# 3206  
Delta R.T. -0.01 min  
Lab File: BG019141.D  
Acq: 11 Oct 2015 6:04

Tgt Ion:240 Resp: 152513  
Ion Ratio Lower Upper  
240 100  
120 7.7 5.8 8.6  
236 25.0 21.2 31.8



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

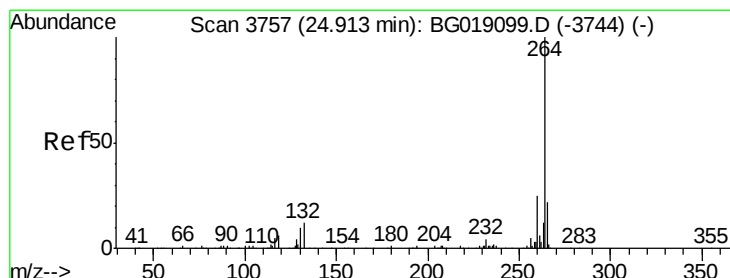
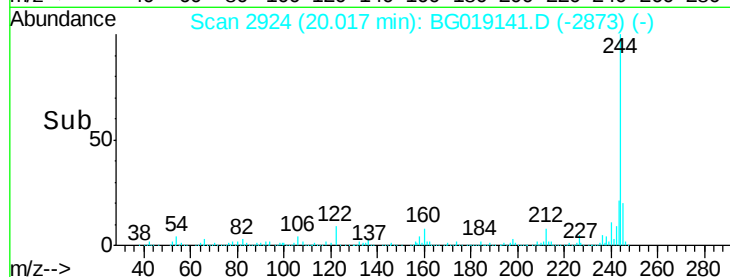
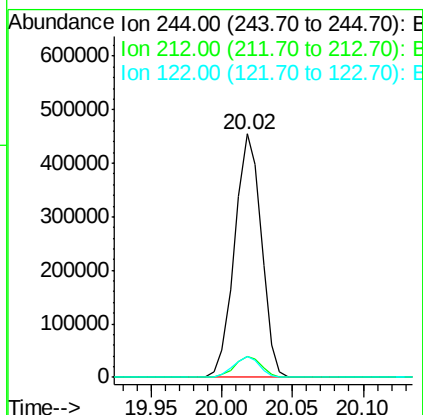
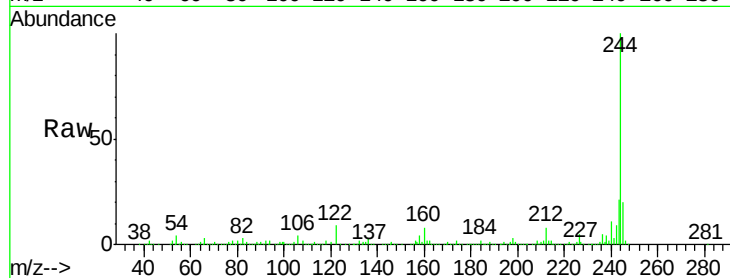




#78  
 Terphenyl-d14  
 Concen: 103.79 ng  
 RT: 20.02 min Scan# 2924  
 Delta R.T. 0.00 min  
 Lab File: BG019141.D  
 Acq: 11 Oct 2015 6:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.4   | 6.8   | 10.2  |
| 122     | 8.5   | 7.4   | 11.2  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 24.90 min Scan# 3755  
 Delta R.T. -0.01 min  
 Lab File: BG019141.D  
 Acq: 11 Oct 2015 6:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 20.1  | 30.1  |
| 265     | 22.6  | 17.2  | 25.8  |

