

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011618\  
 Data File : BG032100.D  
 Acq On : 17 Jan 2018 10:27  
 Operator : SJ/JU  
 Sample : J1022-07  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-011218

Quant Time: Jan 17 12:33:39 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 15 10:05:15 2018  
 Response via : Initial Calibration

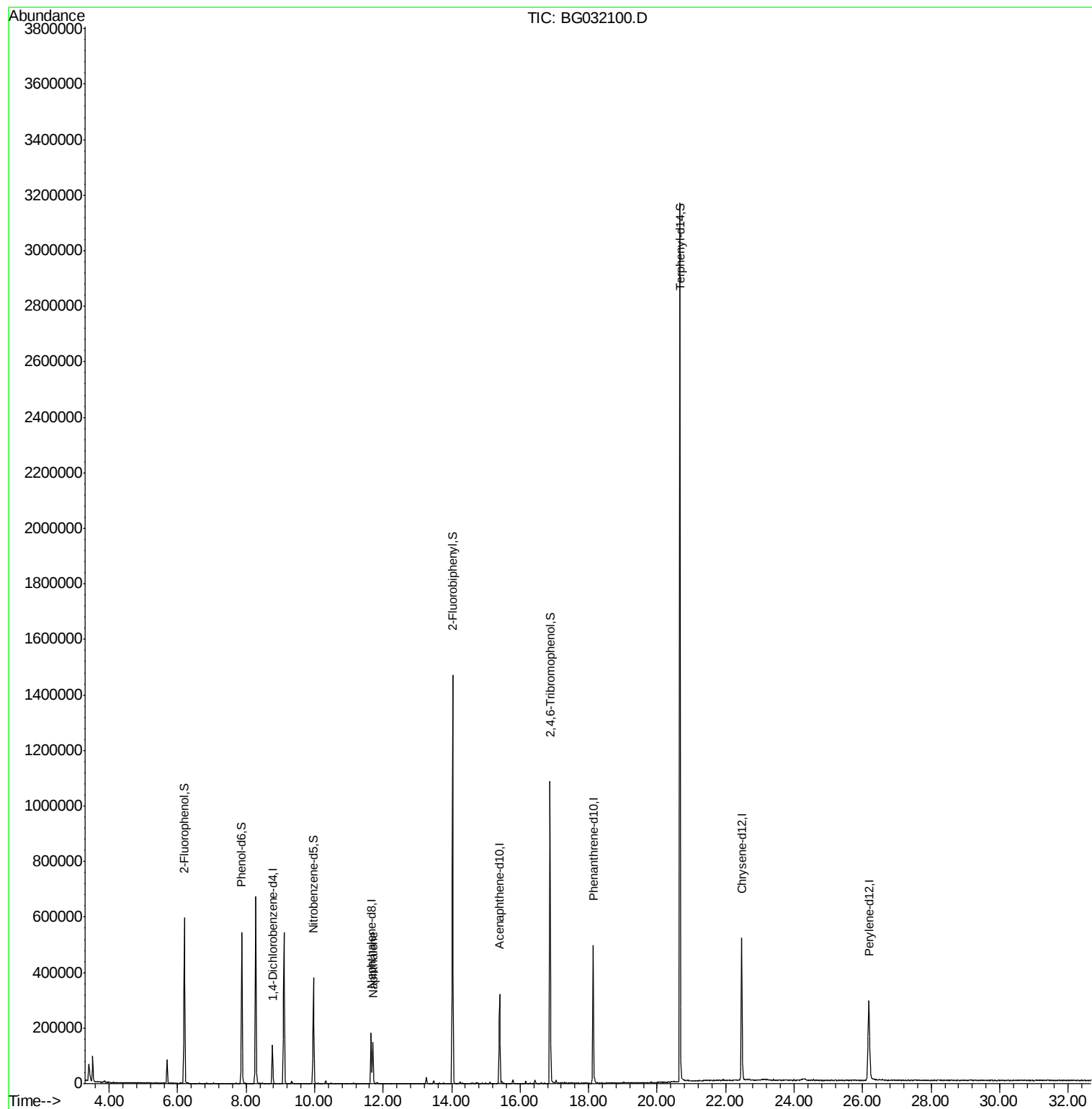
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.77  | 152  | 45187    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 11.65 | 136  | 178415   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 15.39 | 164  | 124259   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 18.13 | 188  | 338741   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 22.47 | 240  | 408257   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 26.18 | 264  | 414837   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.19  | 112  | 298980   | 121.01 | ng    | 0.00      |
| 7) Phenol-d6                | 7.87  | 99   | 355279   | 114.18 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.97  | 82   | 244428   | 92.69  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.87 | 330  | 256863   | 124.92 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 14.03 | 172  | 868759   | 86.69  | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.66 | 244  | 1721475  | 93.11  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.70 | 128  | 139375   | 15.769 | ng    | Qvalue 99 |

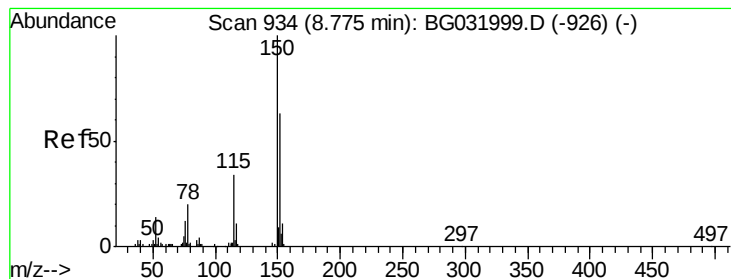
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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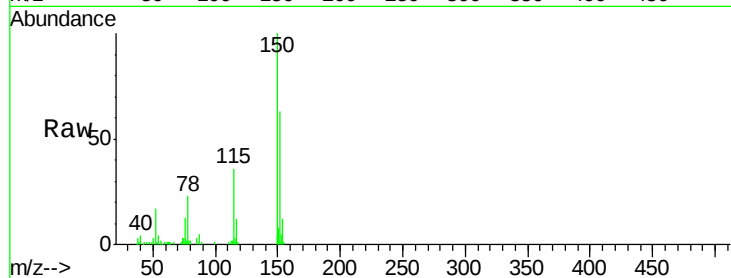


#1

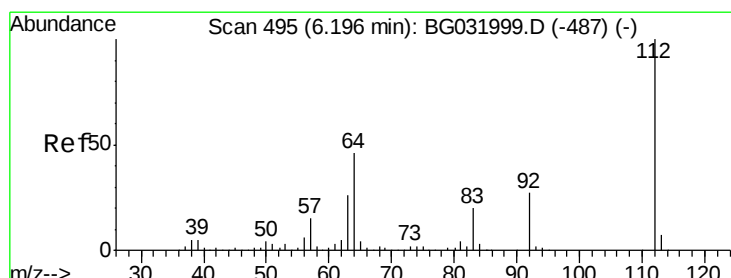
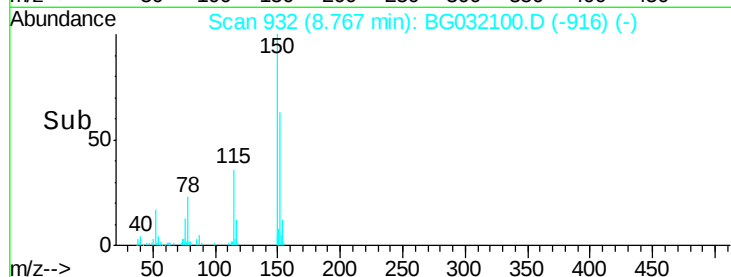
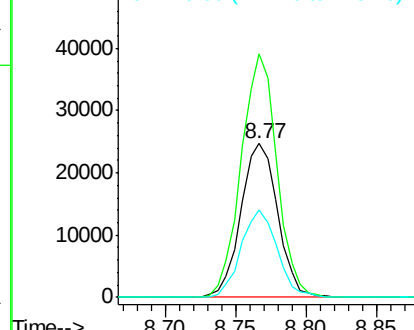
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.77 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BG032100.D  
Acq: 17 Jan 2018 10:27

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-011218

Tgt Ion:152 Resp: 45187  
Ion Ratio Lower Upper  
152 100  
150 158.2 126.6 189.8  
115 56.4 53.0 79.4



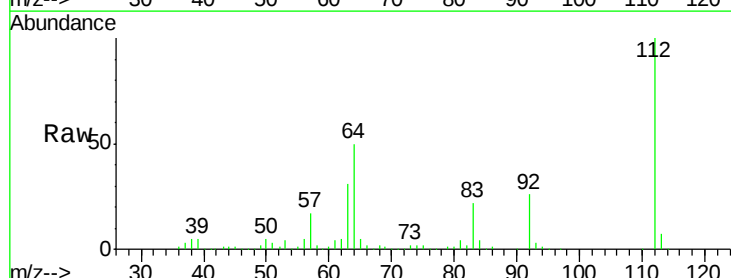
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



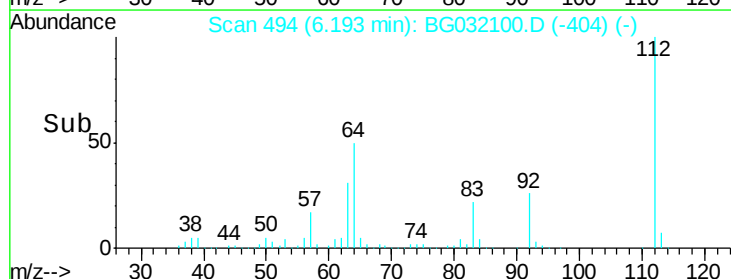
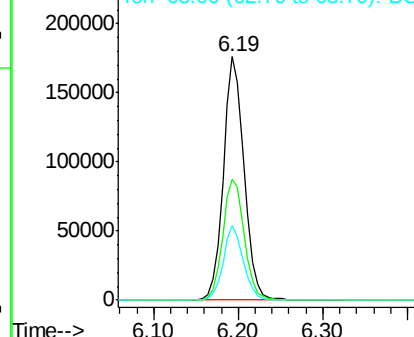
#5

2-Fluorophenol  
Concen: 121.011 ng  
RT: 6.19 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: BG032100.D  
Acq: 17 Jan 2018 10:27

Tgt Ion:112 Resp: 298980  
Ion Ratio Lower Upper  
112 100  
64 49.8 56.3 84.5#  
63 30.7 30.1 45.1



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: 114.177 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

Instrument :

BNA\_G

ClientSampleId :

SU-03-011218

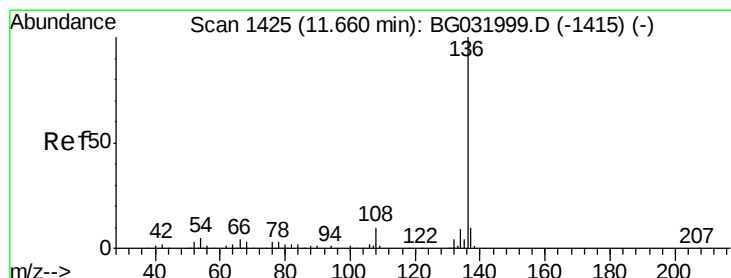
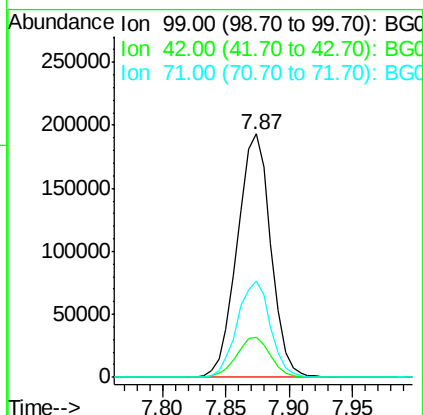
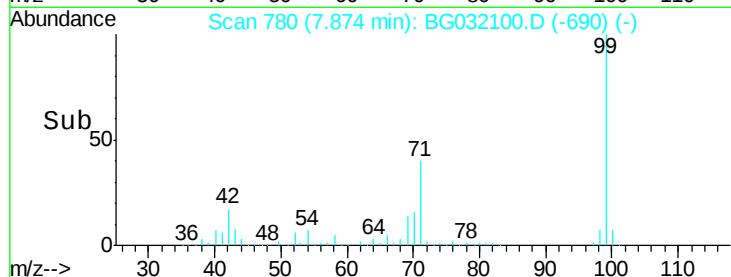
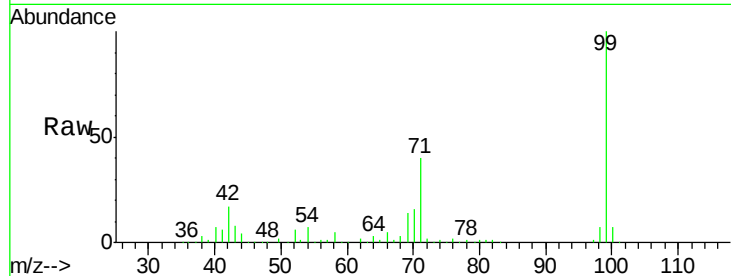
Tgt Ion: 99 Resp: 355279

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

71 39.8 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.65 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

Tgt Ion: 136 Resp: 178415

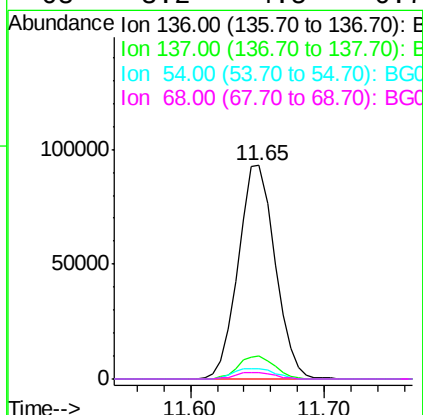
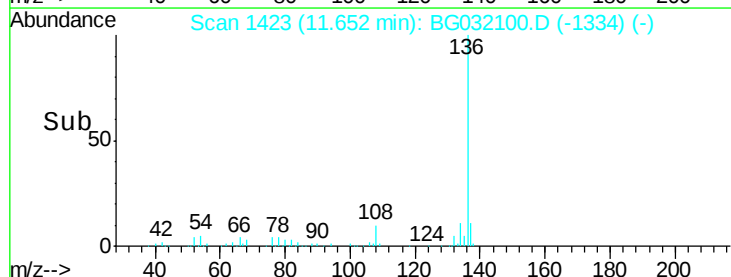
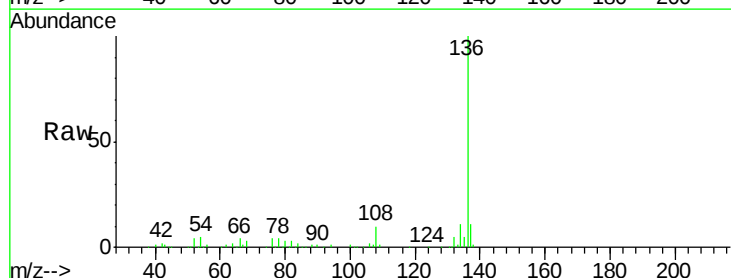
Ion Ratio Lower Upper

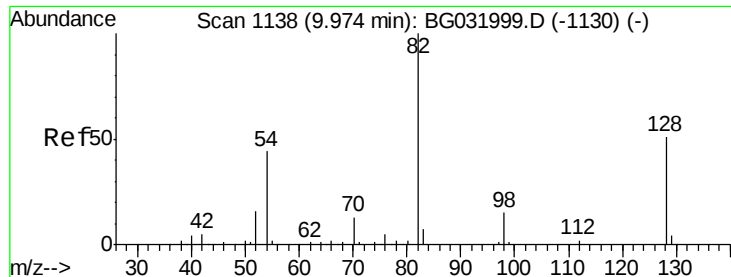
136 100

137 10.5 9.2 13.8

54 4.7 10.3 15.5#

68 3.2 4.5 6.7#

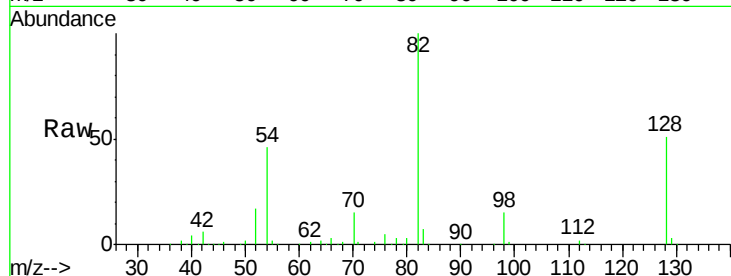




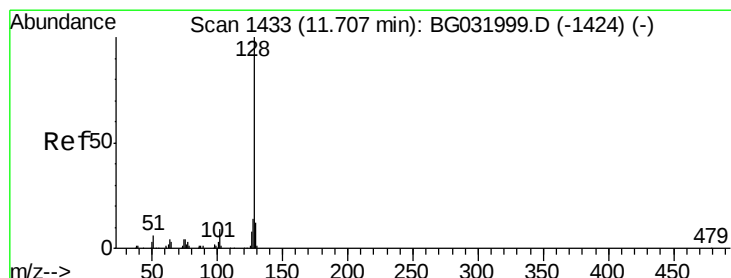
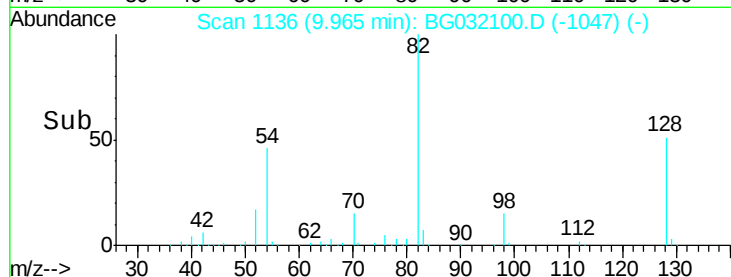
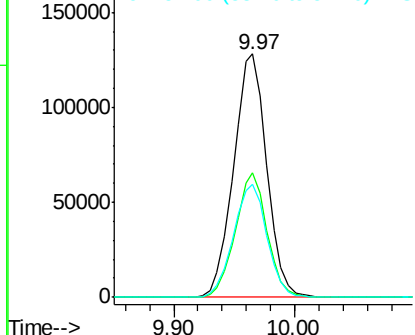
#23  
Nitrobenzene-d5  
Concen: 92.686 ng  
RT: 9.97 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BG032100.D  
Acq: 17 Jan 2018 10:27

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-011218

Tgt Ion: 82 Resp: 244428  
Ion Ratio Lower Upper  
82 100  
128 51.2 29.7 44.5#  
54 46.2 43.1 64.7

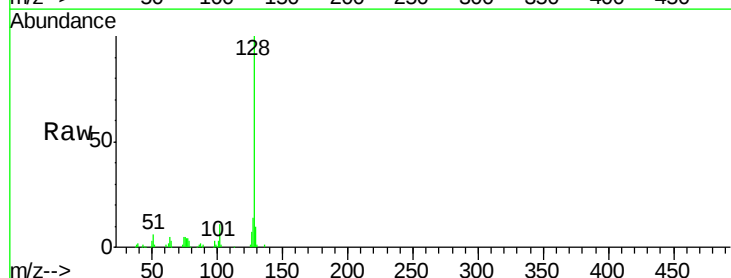


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

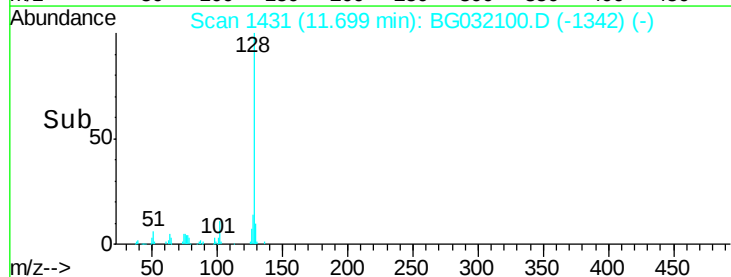
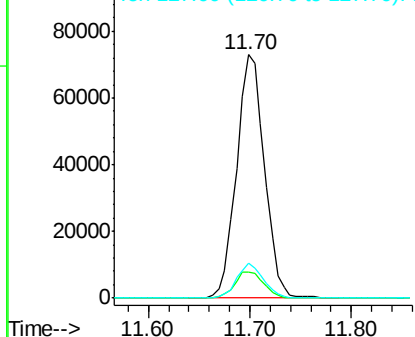


#31  
Naphthalene  
Concen: 15.769 ng  
RT: 11.70 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: BG032100.D  
Acq: 17 Jan 2018 10:27

Tgt Ion: 128 Resp: 139375  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.6 12.8  
127 14.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC

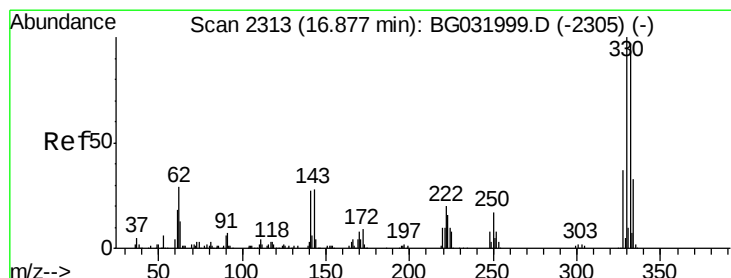
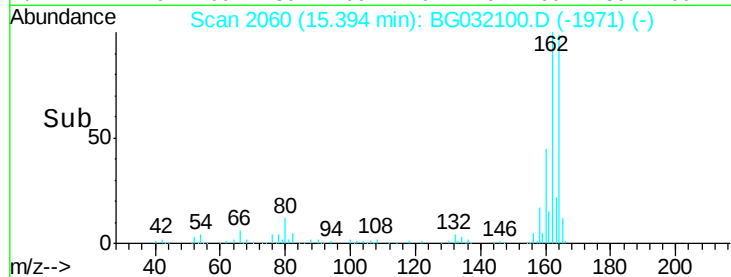
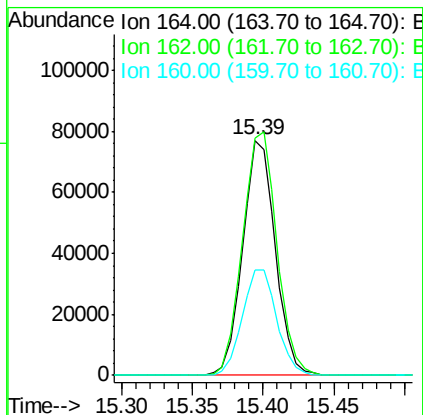
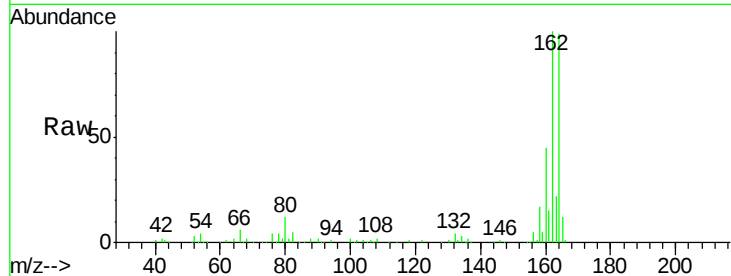




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.39 min Scan# 2060  
 Delta R.T. -0.01 min  
 Lab File: BG032100.D  
 Acq: 17 Jan 2018 10:27

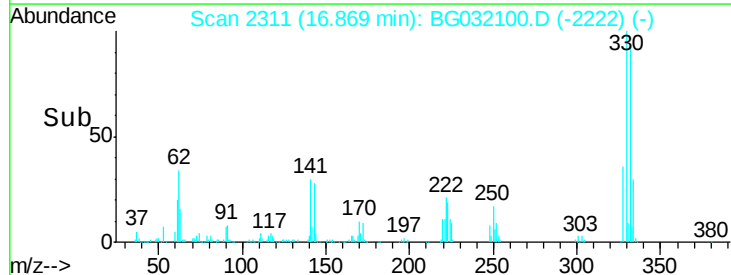
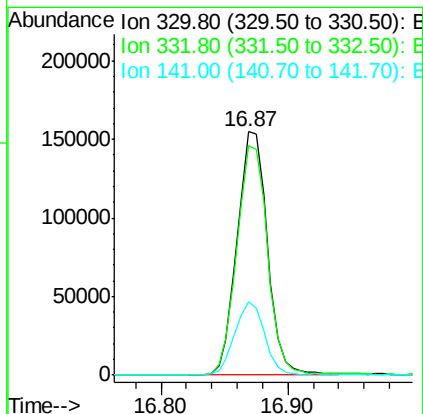
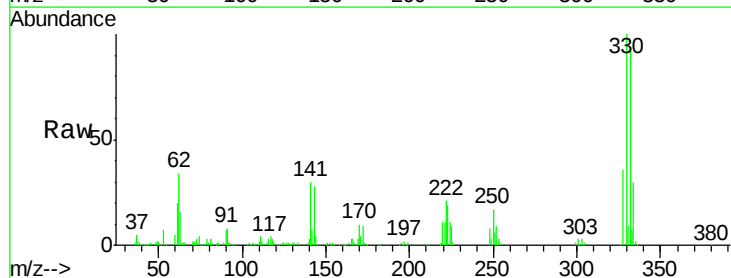
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-011218

Tgt Ion:164 Resp: 124259  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 78.8 118.2  
 160 45.0 35.4 53.0



#41  
 2,4,6-Tribromophenol  
 Concen: 124.921 ng  
 RT: 16.87 min Scan# 2311  
 Delta R.T. -0.01 min  
 Lab File: BG032100.D  
 Acq: 17 Jan 2018 10:27

Tgt Ion:330 Resp: 256863  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.0 115.6  
 141 29.7 25.2 37.8

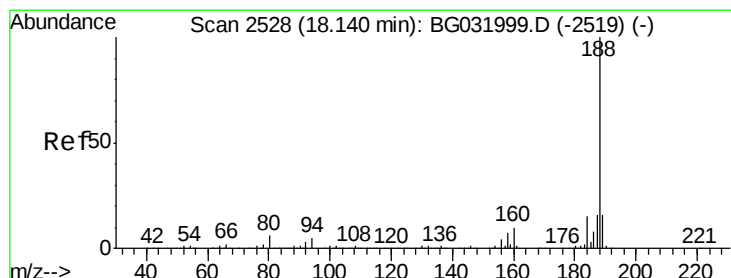
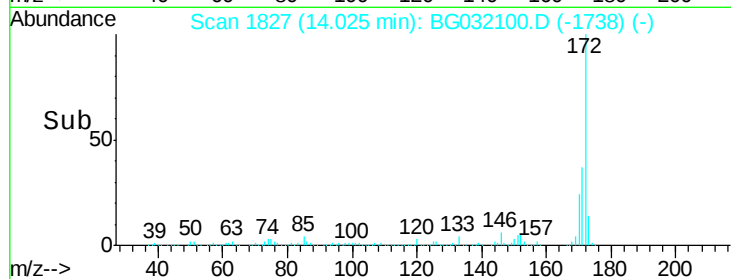
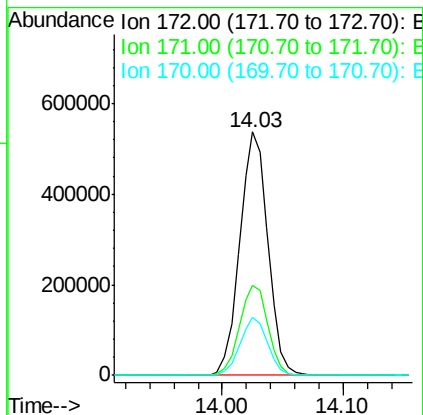
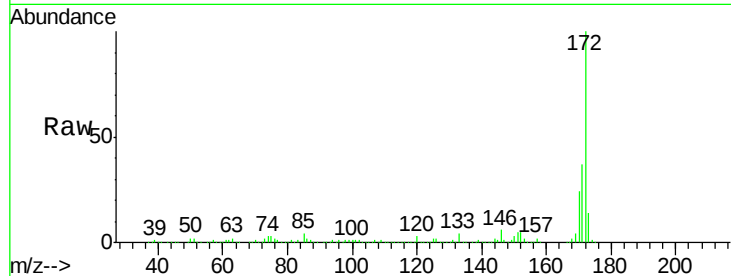




#44  
 2-Fluorobiphenyl  
 Concen: 86.691 ng  
 RT: 14.03 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BG032100.D  
 Acq: 17 Jan 2018 10:27

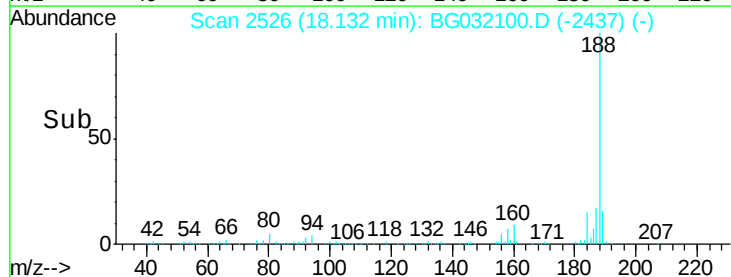
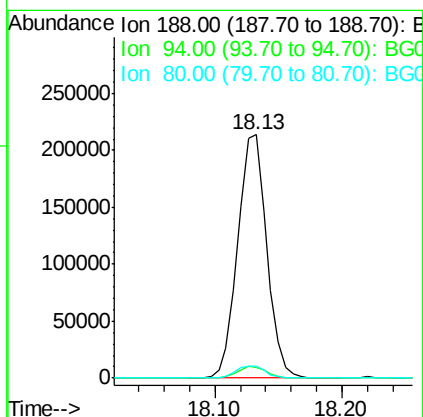
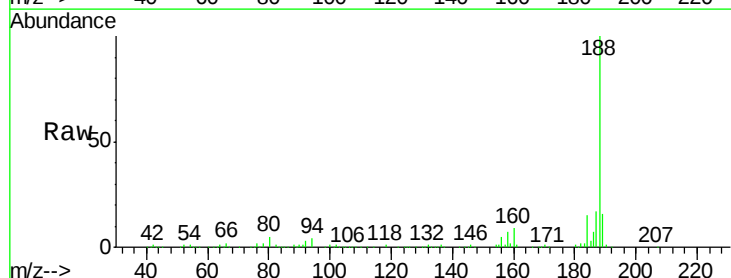
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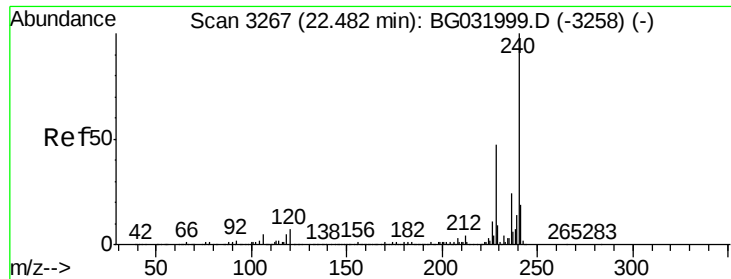
Tgt Ion:172 Resp: 868759  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 30.0 45.0  
 170 23.7 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.13 min Scan# 2526  
 Delta R.T. -0.01 min  
 Lab File: BG032100.D  
 Acq: 17 Jan 2018 10:27

Tgt Ion:188 Resp: 338741  
 Ion Ratio Lower Upper  
 188 100  
 94 4.4 6.9 10.3#  
 80 5.1 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

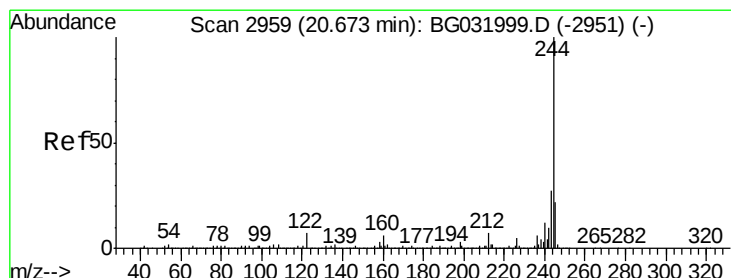
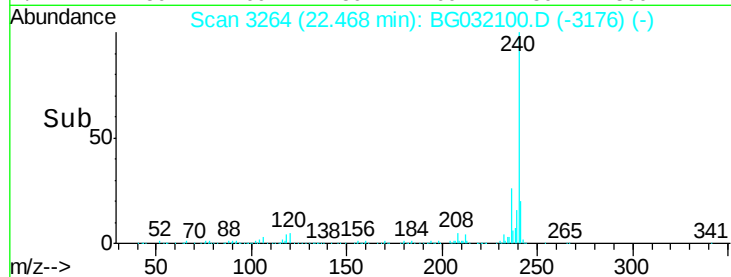
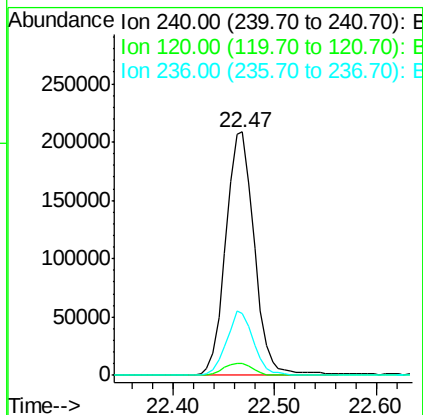
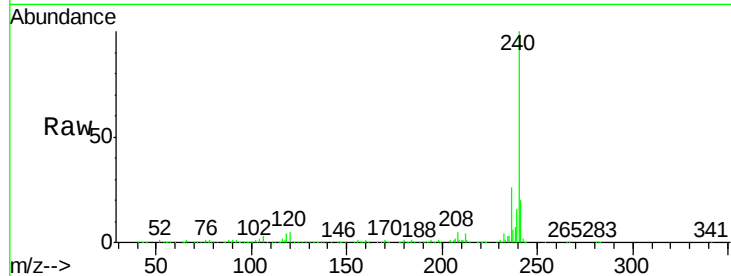
Instrument :

BNA\_G

ClientSampleId :

SU-03-011218

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 408257 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 4.8   | 6.8   | 10.2#  |
| 236       | 25.5  | 20.9  | 31.3   |



#78

Terphenyl-d14

Concen: 93.105 ng

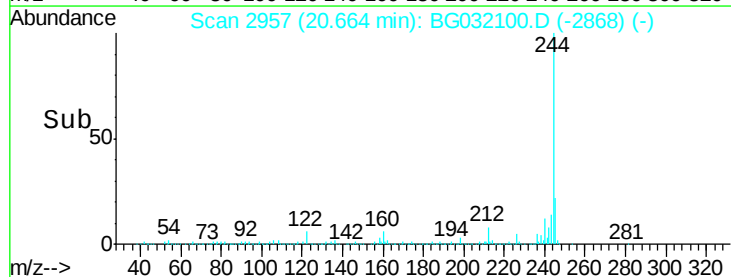
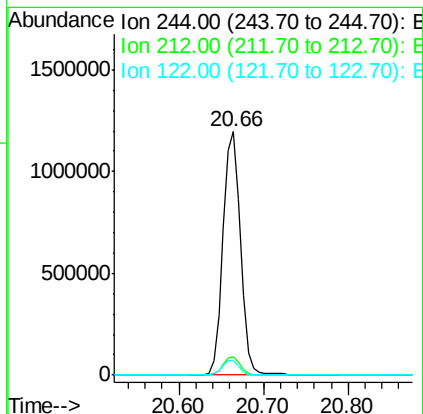
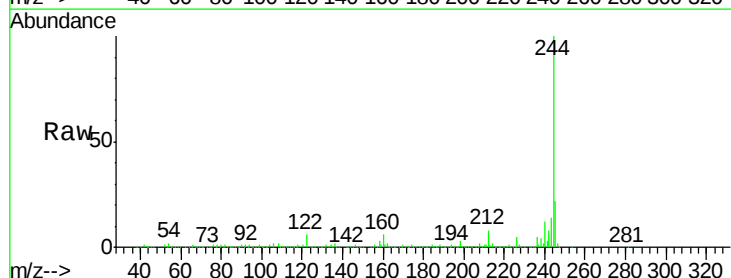
RT: 20.66 min Scan# 2957

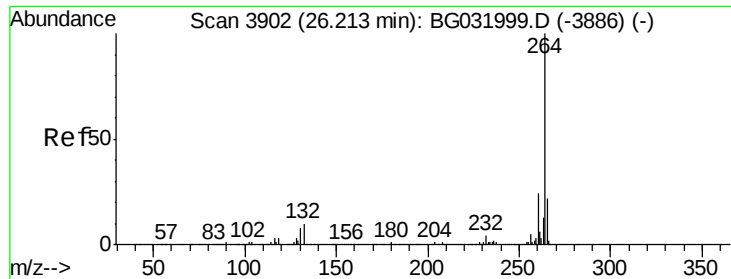
Delta R.T. -0.01 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 1721475 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.6   | 5.8   | 8.8     |
| 122       | 6.1   | 7.0   | 10.4#   |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 26.18 min Scan# 3896  
Delta R.T. -0.03 min  
Lab File: BG032100.D  
Acq: 17 Jan 2018 10:27

Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:264 Resp: 414837  
Ion Ratio Lower Upper  
264 100  
260 22.1 17.4 26.0  
265 21.5 17.7 26.5

