

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\  
 Data File : BG033720.D  
 Acq On : 10 Apr 2018 19:17  
 Operator : SJ/JU  
 Sample : J2280-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S2

Quant Time: Apr 11 03:27:02 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

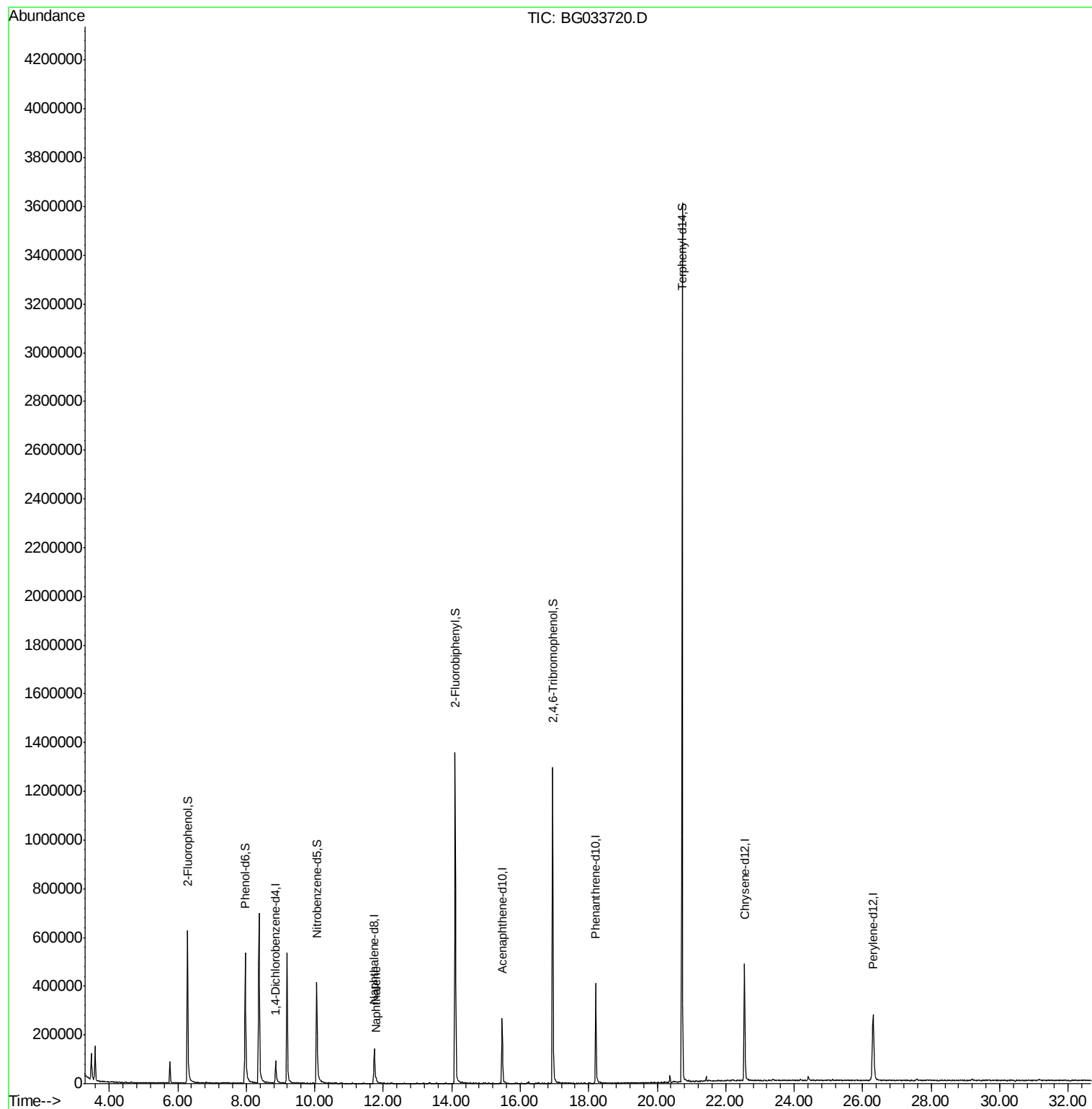
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.86  | 152  | 32137    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.74 | 136  | 137592   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 15.47 | 164  | 100611   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 18.20 | 188  | 295571   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 22.55 | 240  | 345649   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 26.30 | 264  | 370026   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 6.28  | 112  | 298549   | 174.20 | ng    | 0.00           |
| 7) Phenol-d6                | 7.97  | 99   | 385126   | 130.78 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 326045   | 108.87 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 255586   | 169.85 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 14.10 | 172  | 743645   | 106.70 | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.73 | 244  | 1731870  | 107.15 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 11.78 | 128  | 14739    | 2.067  | ng    | Qvalue<br># 95 |

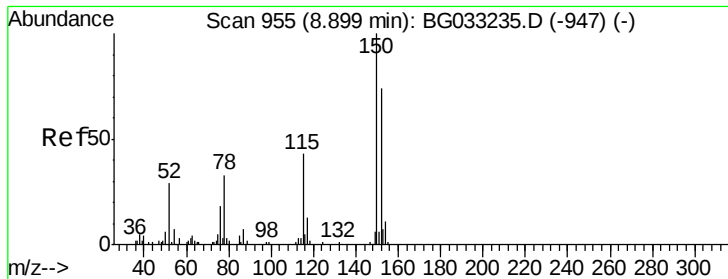
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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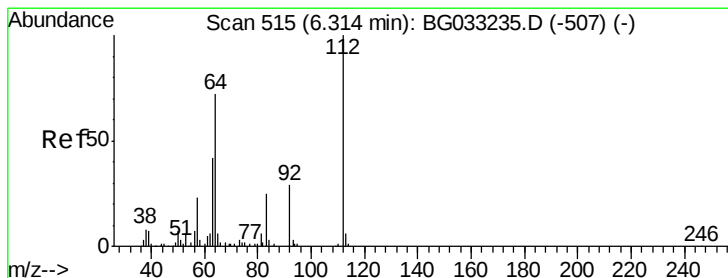
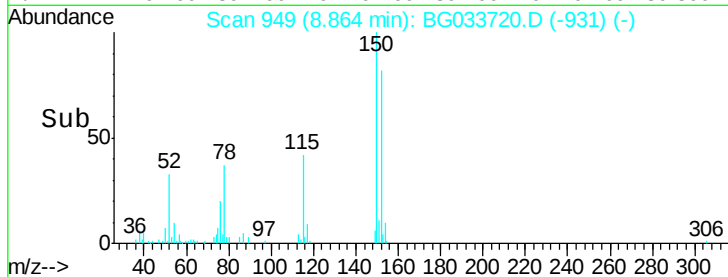
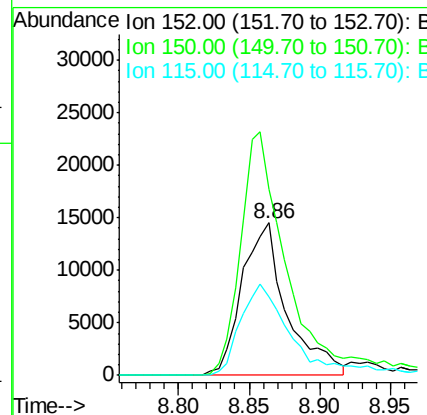
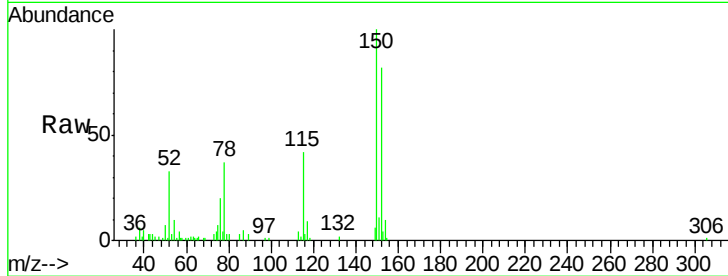


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: BG033720.D  
Acq: 10 Apr 2018 19:17

Instrument :  
BNA\_G  
ClientSampled :  
S2

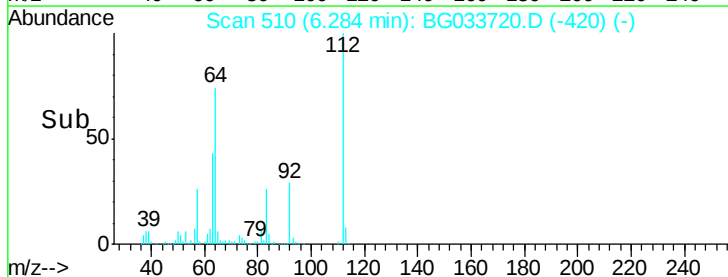
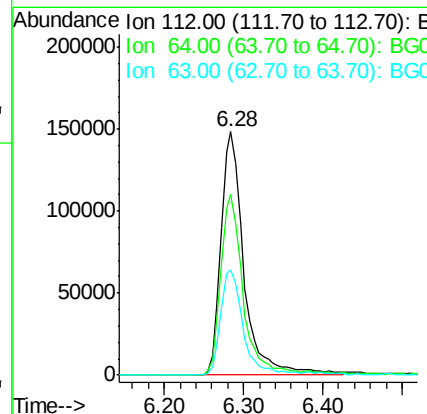
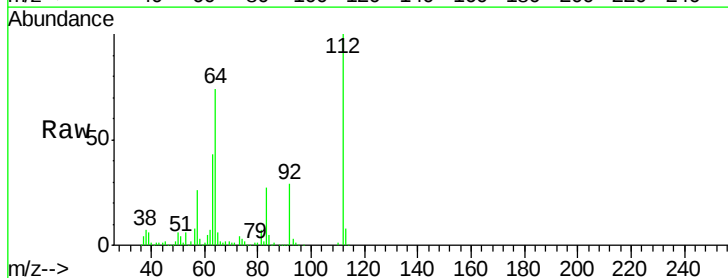
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 152     | 100   |       |        |
| 150     | 122.0 | 126.6 | 189.8# |
| 115     | 51.7  | 53.0  | 79.4#  |

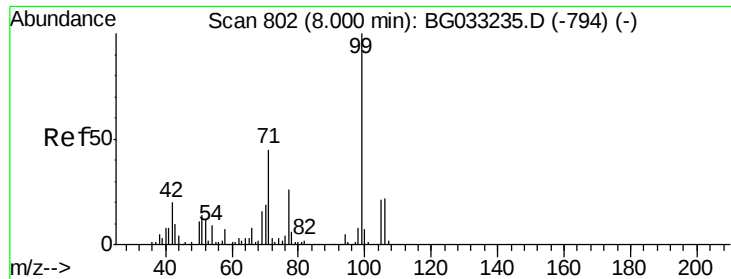


#5

2-Fluorophenol  
Concen: 174.196 ng  
RT: 6.28 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BG033720.D  
Acq: 10 Apr 2018 19:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.4  | 56.3  | 84.5  |
| 63      | 43.5  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 130.783 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

Instrument :

BNA\_G

ClientSampleId :

S2

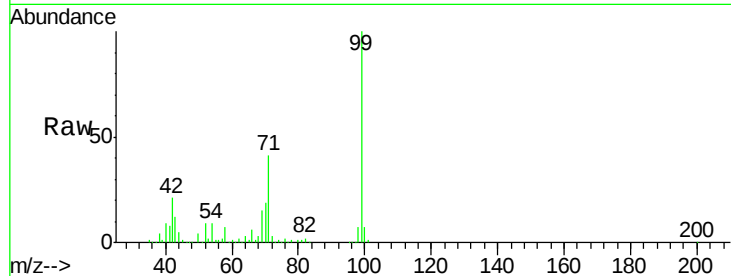
Tot Ion: 99 Resp: 385126

Ion Ratio Lower Upper

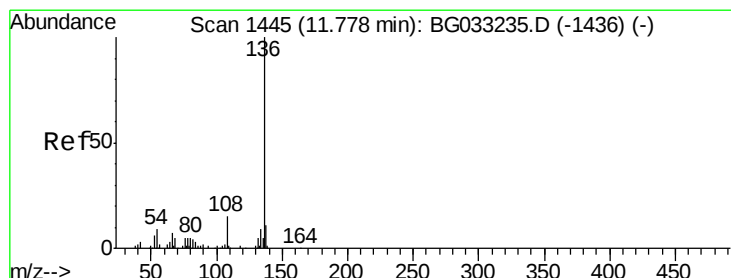
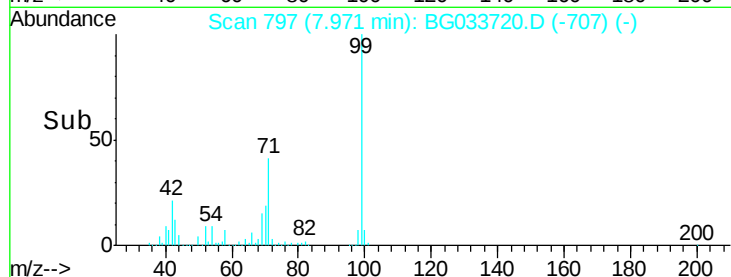
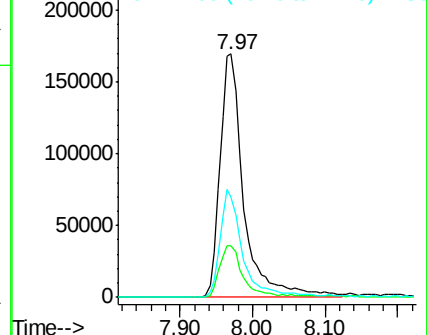
99 100

42 21.2 14.1 21.1#

71 41.3 26.1 39.1#



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: 11.74 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

Tgt Ion: 136 Resp: 137592

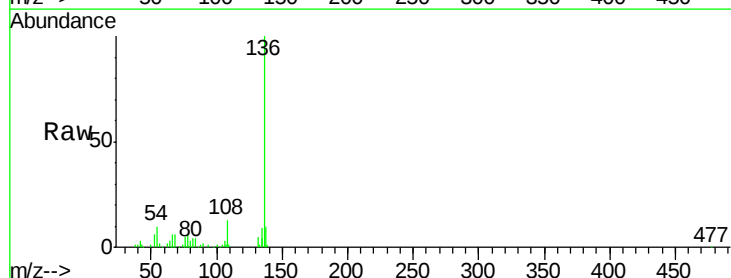
Ion Ratio Lower Upper

136 100

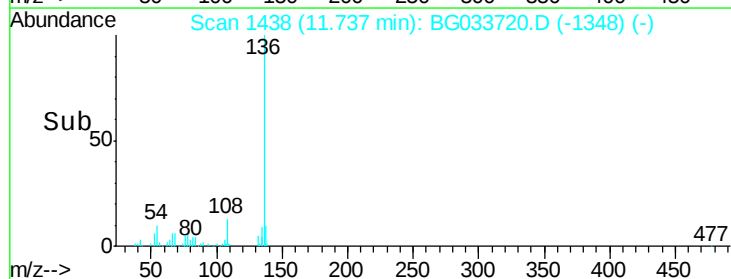
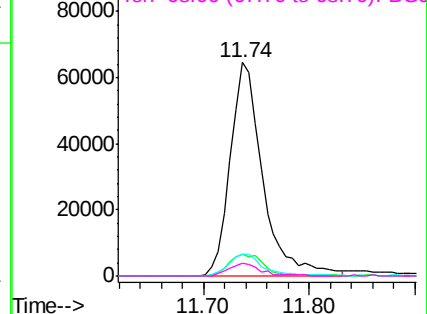
137 9.9 9.2 13.8

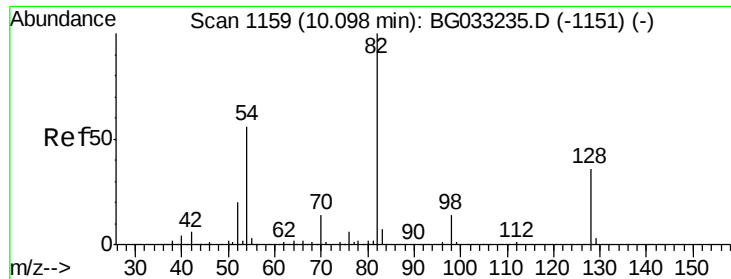
54 10.3 10.3 15.5#

68 6.2 4.5 6.7



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

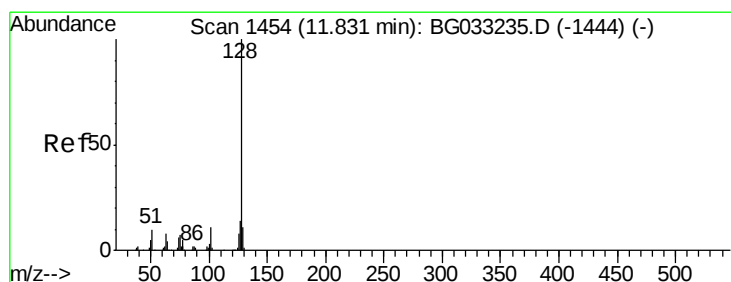
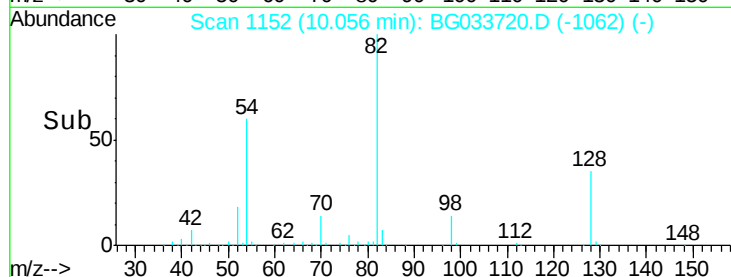
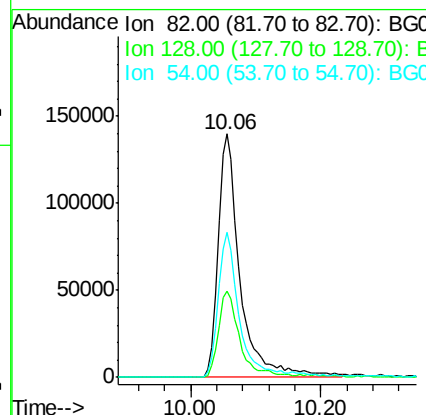
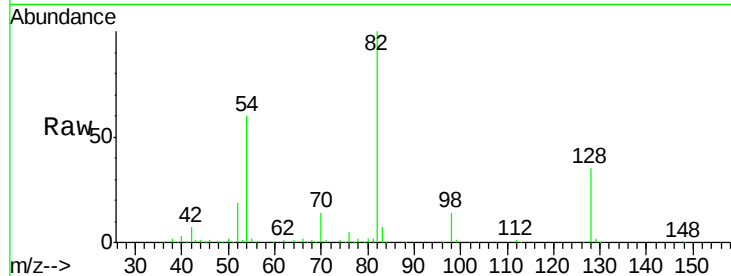




#23  
Nitrobenzene-d5  
Concen: 108.871 ng  
RT: 10.06 min Scan# 1152  
Delta R.T. 0.00 min  
Lab File: BG033720.D  
Acq: 10 Apr 2018 19:17

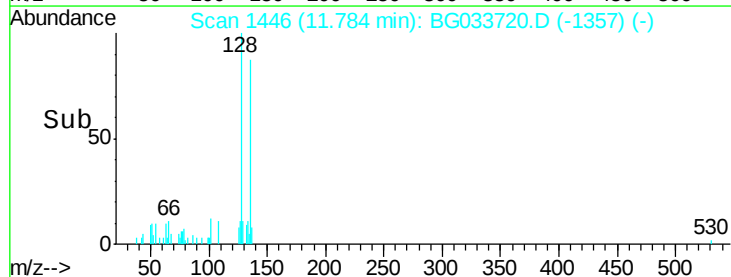
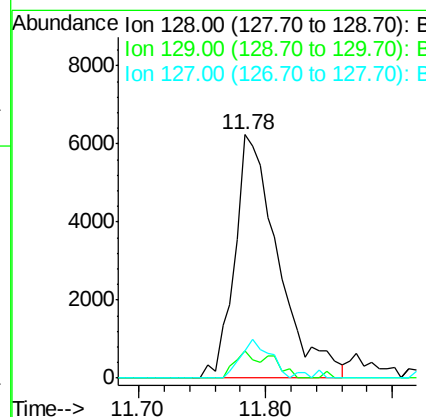
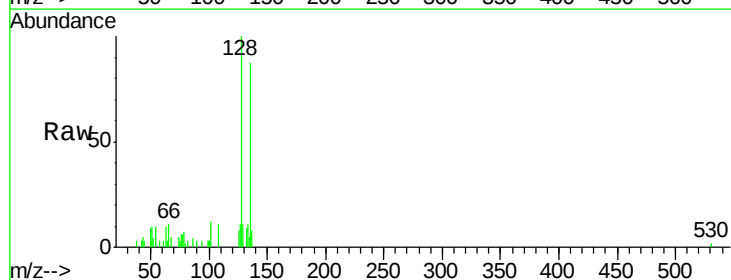
Instrument :  
BNA\_G  
ClientSampleId :  
S2

| Tot Ion   | 82    | Resp  | 326045 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.3  | 29.7  | 44.5   |
| 54        | 59.7  | 43.1  | 64.7   |



#31  
Naphthalene  
Concen: 2.067 ng  
RT: 11.78 min Scan# 1446  
Delta R.T. -0.01 min  
Lab File: BG033720.D  
Acq: 10 Apr 2018 19:17

| Tgt Ion   | 128   | Resp  | 14739 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.3  | 8.6   | 12.8  |
| 127       | 11.1  | 11.6  | 17.4# |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

Instrument :

BNA\_G

ClientSampleId :

S2

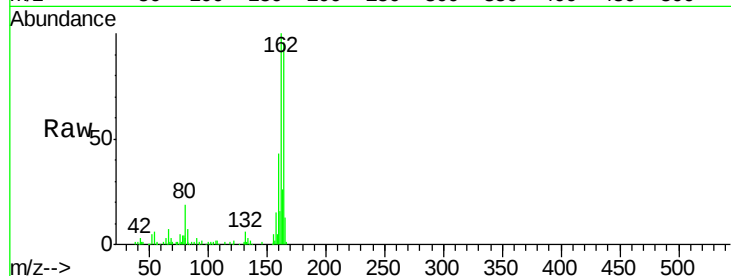
Tot Ion:164 Resp: 100611

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

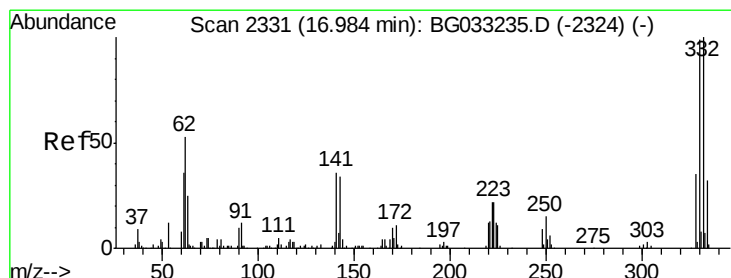
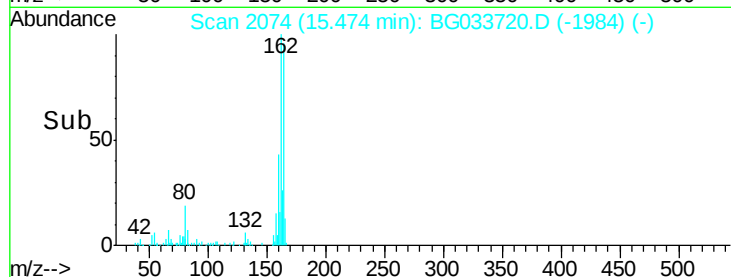
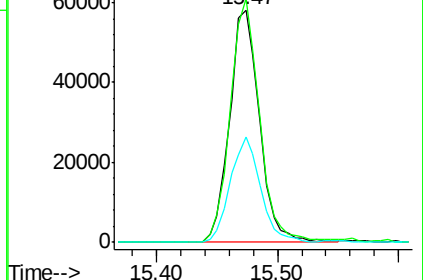
160 45.2 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 169.852 ng

RT: 16.95 min Scan# 2325

Delta R.T. 0.00 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

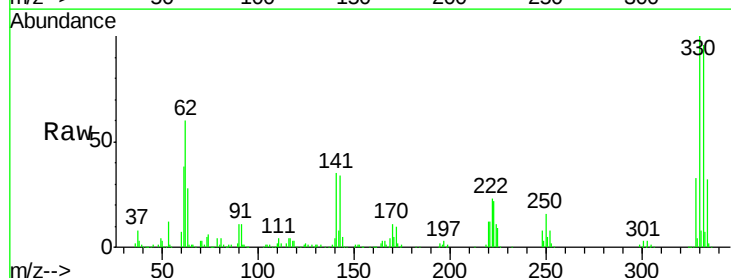
Tgt Ion:330 Resp: 255586

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

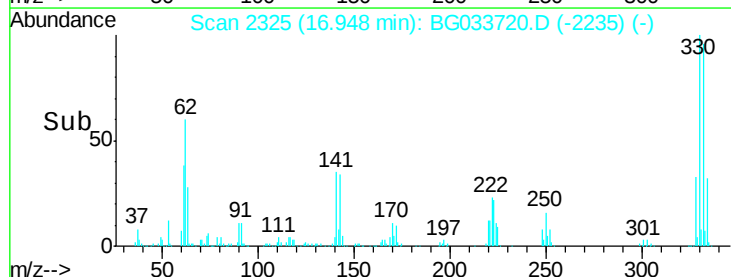
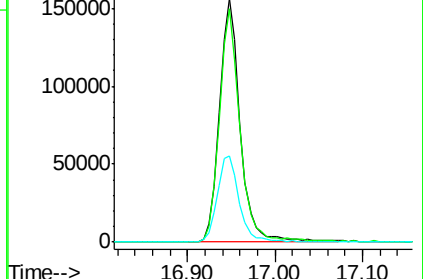
141 37.5 25.2 37.8

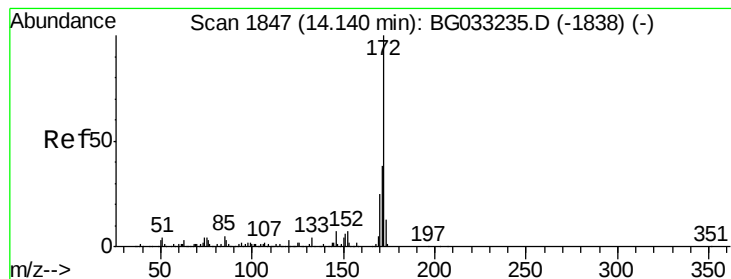


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 106.703 ng

RT: 14.10 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

Instrument :

BNA\_G

ClientSampleId :

S2

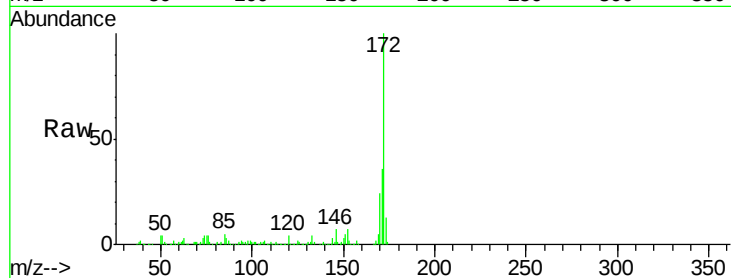
Tot Ion:172 Resp: 743645

Ion Ratio Lower Upper

172 100

171 36.2 30.0 45.0

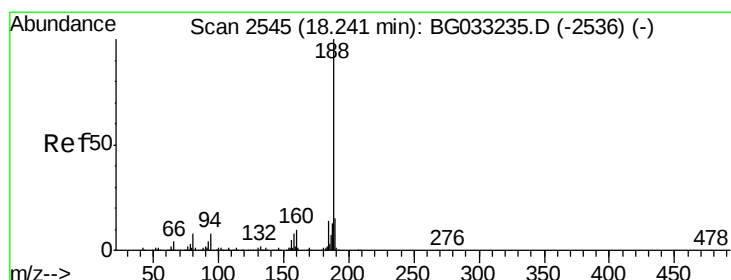
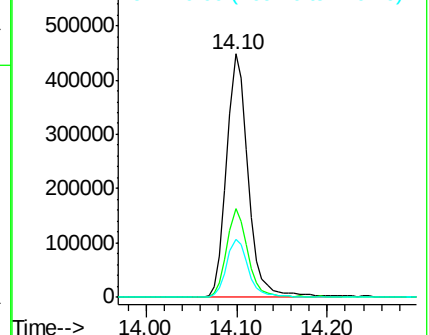
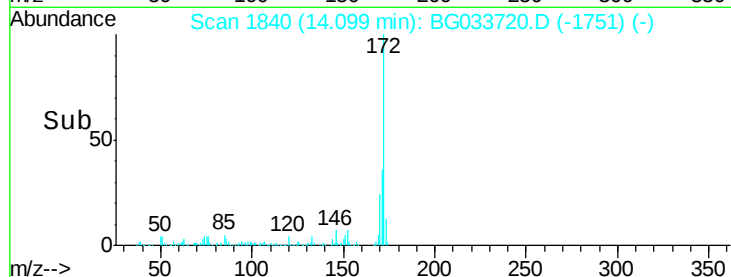
170 23.7 19.5 29.3



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: 20.000 ng

RT: 18.20 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

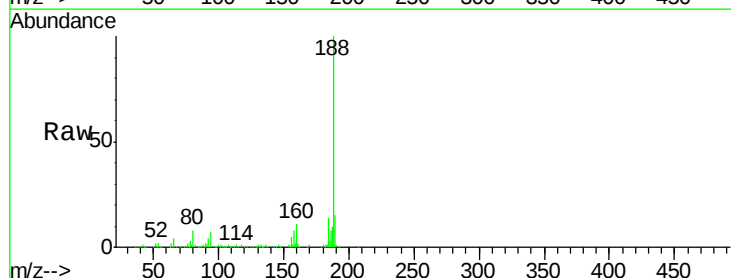
Tgt Ion:188 Resp: 295571

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

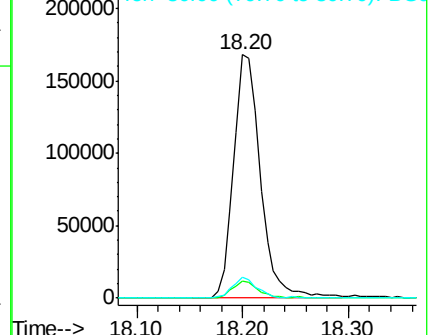
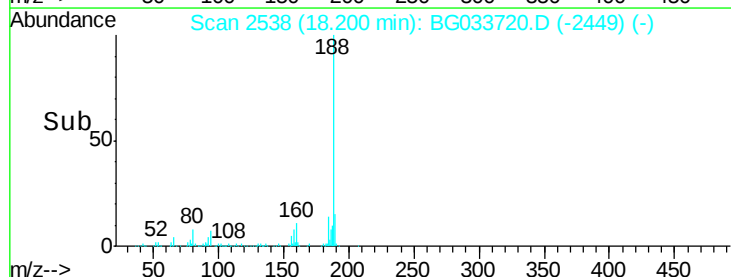
80 8.3 7.7 11.5

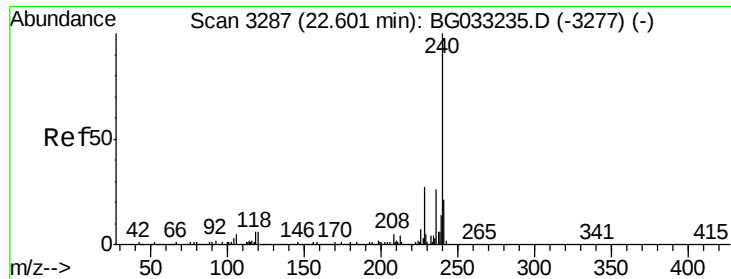


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

Instrument :

BNA\_G

ClientSampleId :

S2

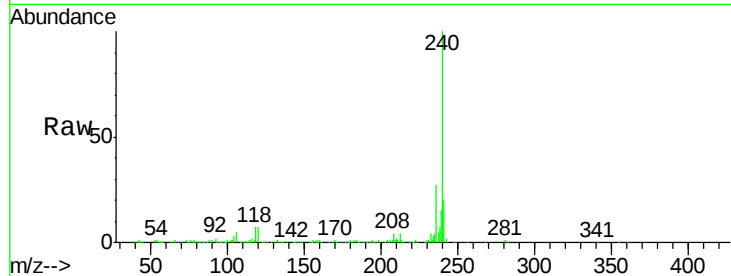
Tot Ion:240 Resp: 345649

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

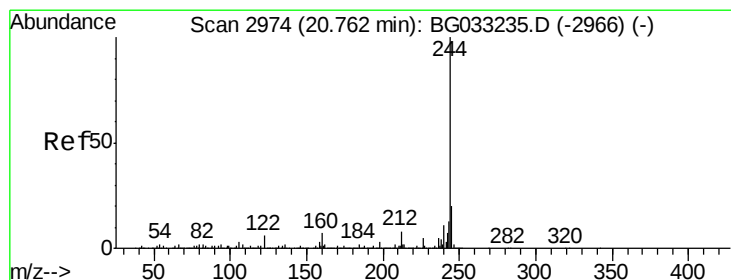
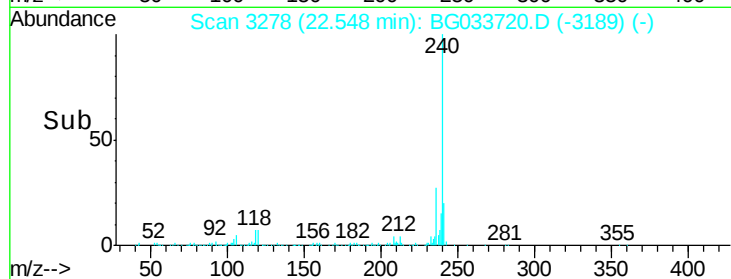
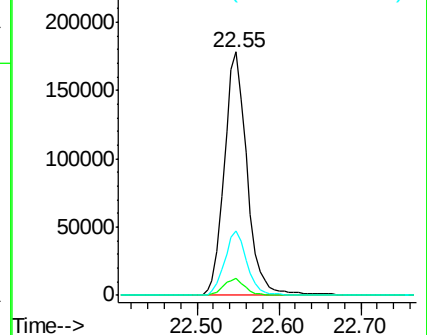
236 26.7 20.9 31.3



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: 107.155 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033720.D

Acq: 10 Apr 2018 19:17

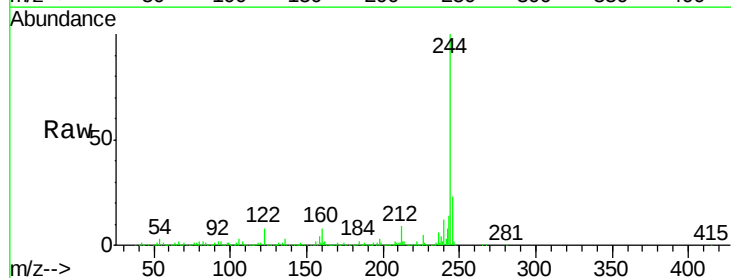
Tgt Ion:244 Resp: 1731870

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

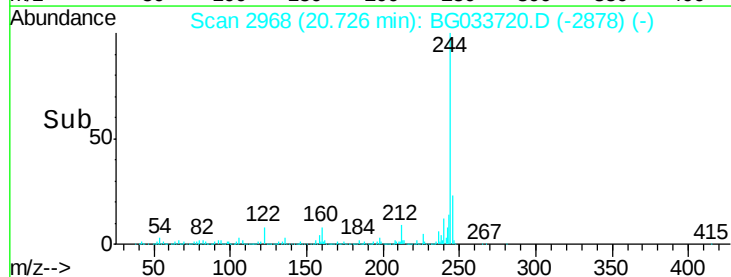
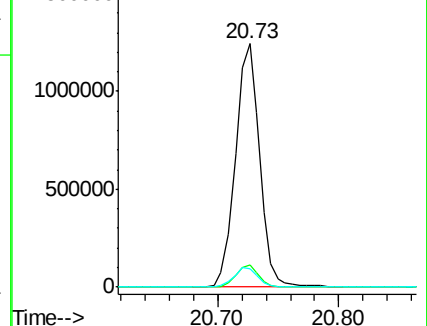
122 7.5 7.0 10.4

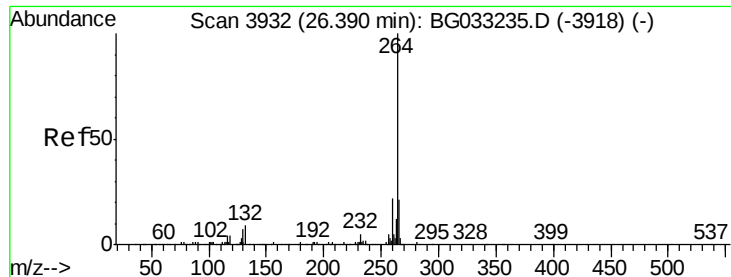


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.30 min Scan# 3917  
Delta R.T. -0.01 min  
Lab File: BG033720.D  
Acq: 10 Apr 2018 19:17

Instrument :  
BNA\_G  
ClientSampleId :  
S2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 17.4  | 26.0  |
| 265     | 20.5  | 17.7  | 26.5  |

