

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121817\  
 Data File : BG031651.D  
 Acq On : 19 Dec 2017 1:51  
 Operator : SJ/JU  
 Sample : I6675-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 19 07:07:31 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 75213    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.91 | 136  | 319138   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.73 | 164  | 207936   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.47 | 188  | 559934   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.74 | 240  | 581379   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.02 | 264  | 509902   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 568563   | 133.99 | ng    | -0.01    |
| 7) Phenol-d6                | 7.27  | 99   | 682461   | 115.85 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.26  | 82   | 450243   | 86.96  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.21 | 330  | 396778   | 162.88 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 1344874  | 94.94  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.06 | 244  | 2422371  | 94.80  | ng    | -0.01    |

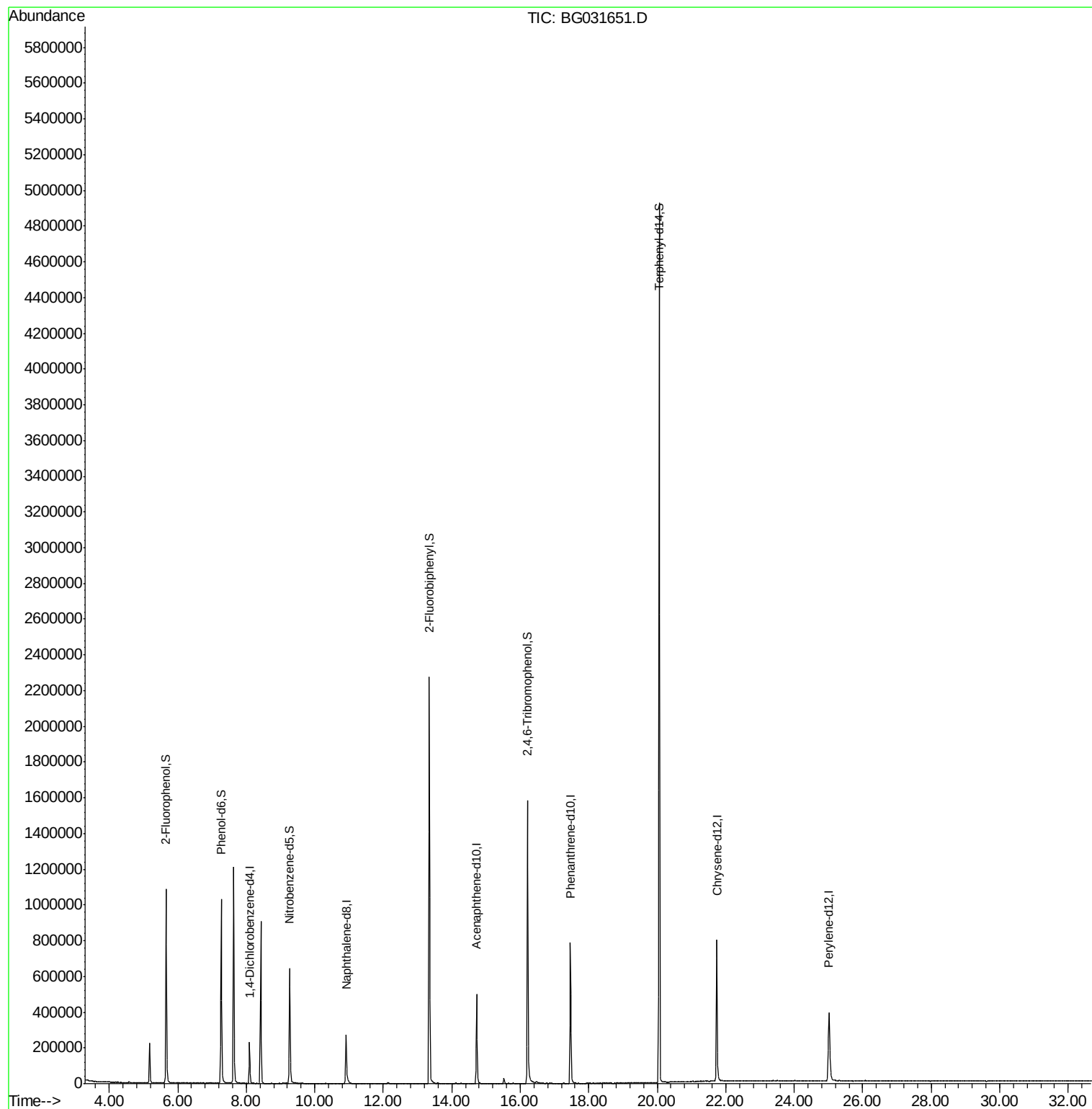
Target Compounds Qvalue

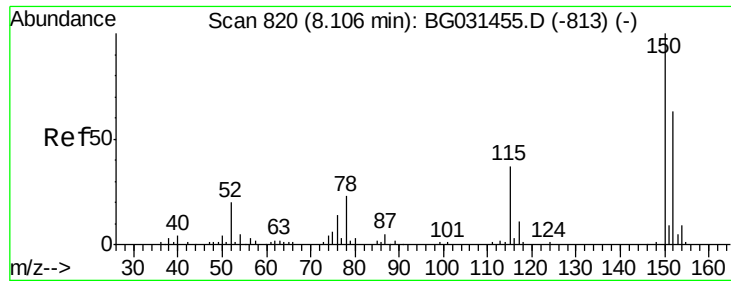
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :

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QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration



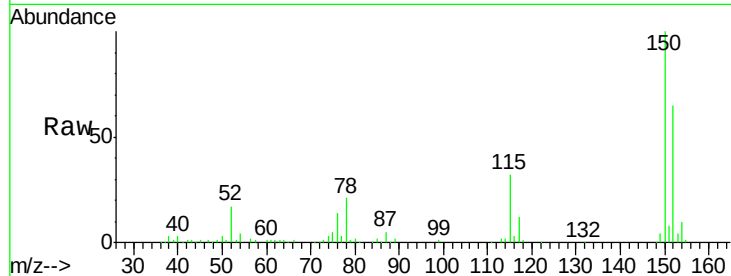


#1

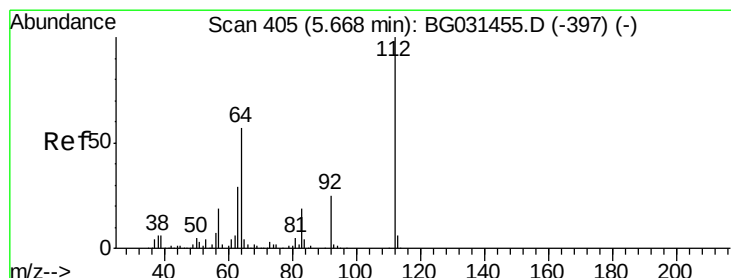
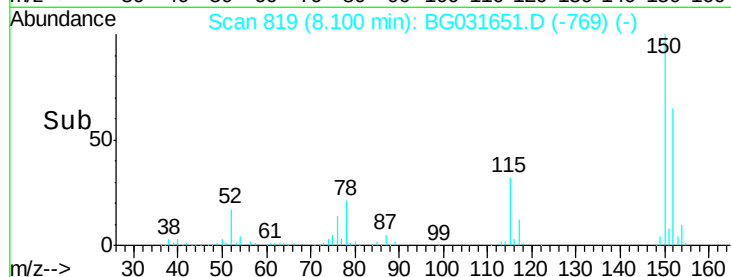
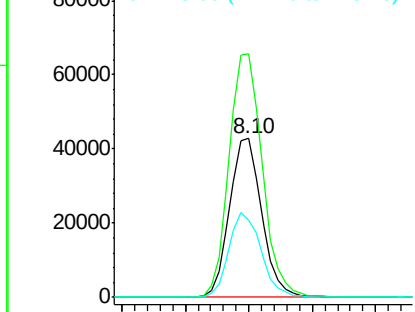
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG031651.D  
Acq: 19 Dec 2017 1:51

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.2 | 126.6 | 189.8 |
| 115     | 48.4  | 53.0  | 79.4  |



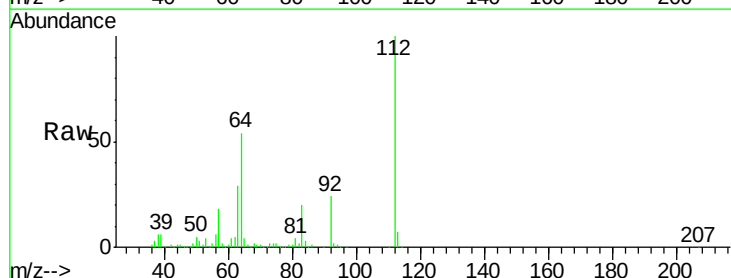
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



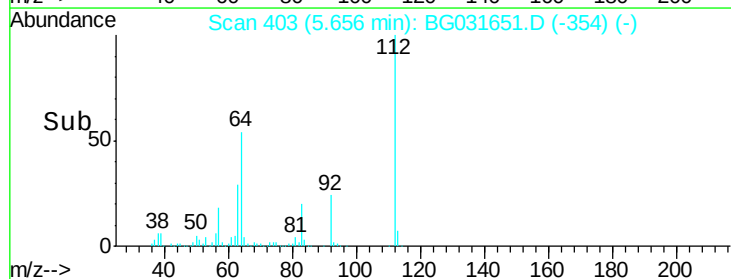
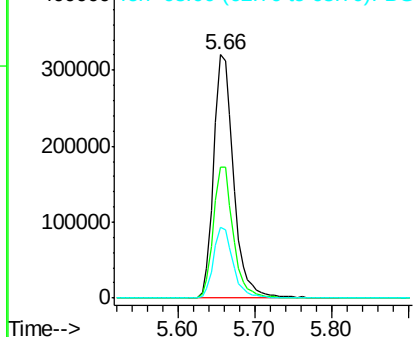
#5

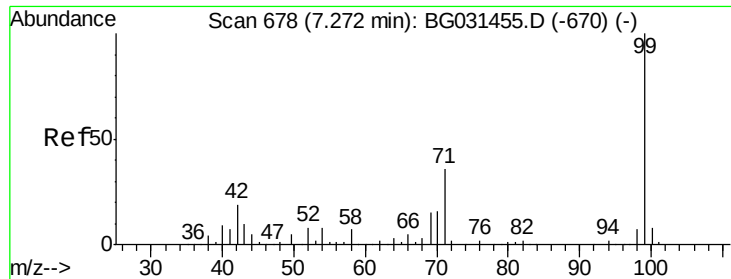
2-Fluorophenol  
Concen: 133.991 ng  
RT: 5.66 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BG031651.D  
Acq: 19 Dec 2017 1:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.0  | 56.3  | 84.5  |
| 63      | 29.3  | 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: 115.855 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031651.D

Acq: 19 Dec 2017 1:51

Instrument :

BNA\_G

ClientSampled :

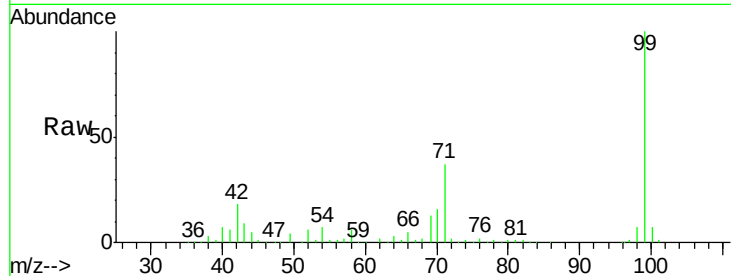
Tot Ion: 99 Resp: 682461

Ion Ratio Lower Upper

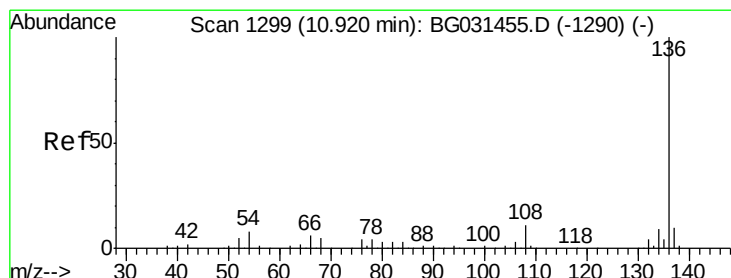
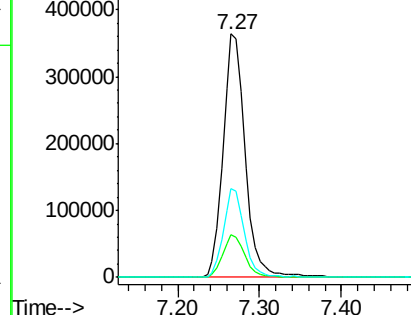
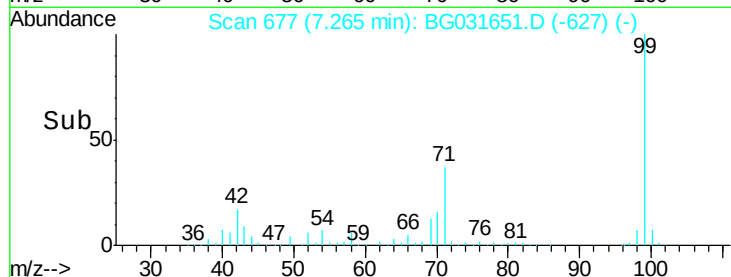
99 100

42 17.5 14.1 21.1

71 36.5 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: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG031651.D

Acq: 19 Dec 2017 1:51

Tgt Ion: 136 Resp: 319138

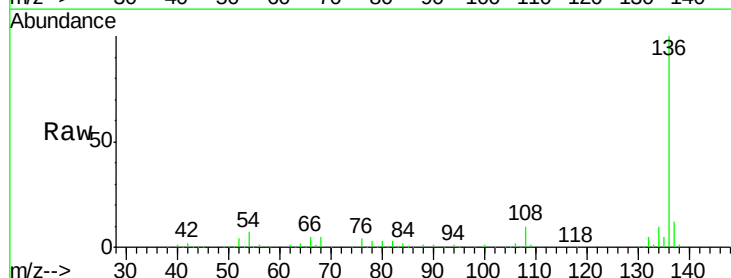
Ion Ratio Lower Upper

136 100

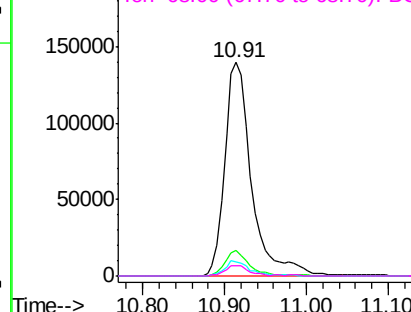
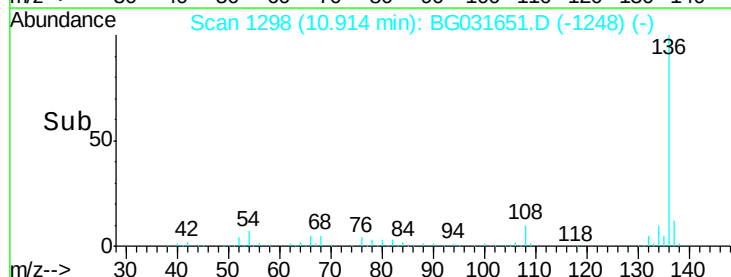
137 11.7 9.2 13.8

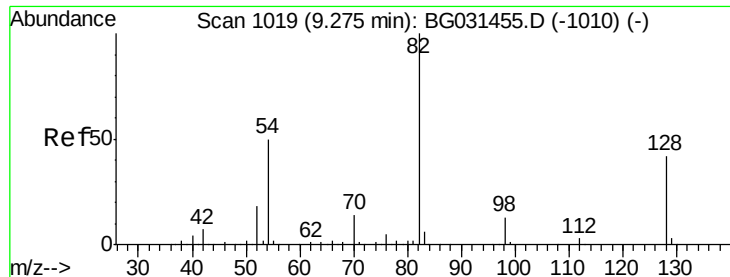
54 7.0 10.3 15.5#

68 4.5 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

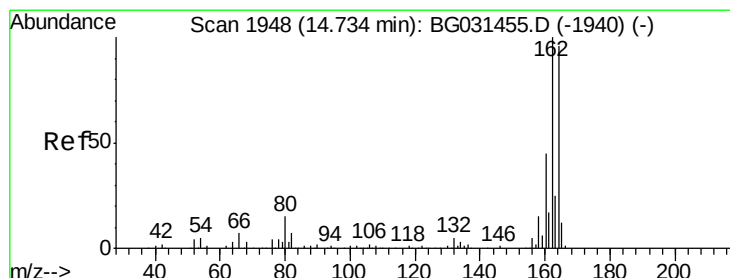
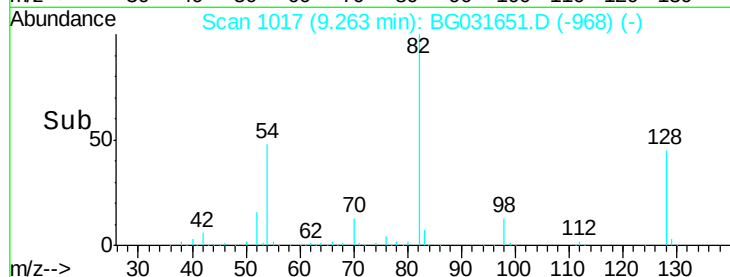
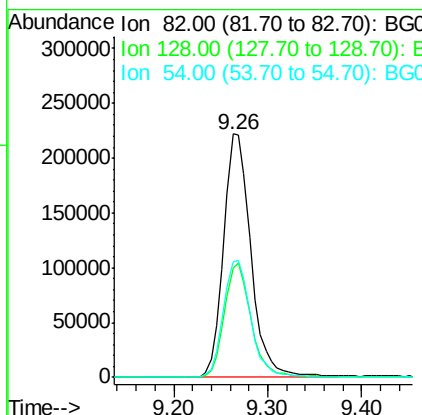
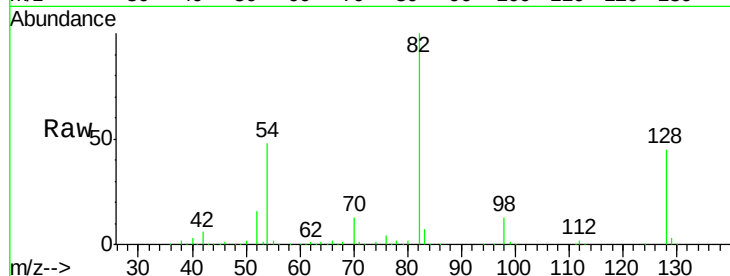




#23  
Nitrobenzene-d5  
Concen: 86.958 ng  
RT: 9.26 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BG031651.D  
Acq: 19 Dec 2017 1:51

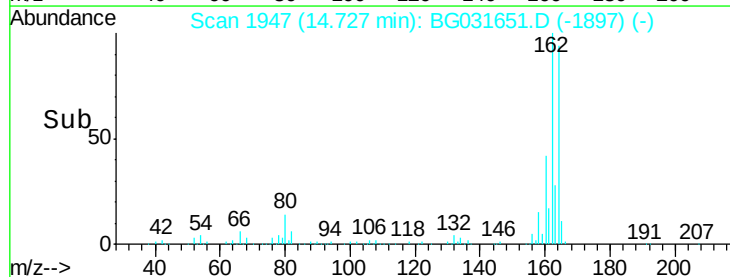
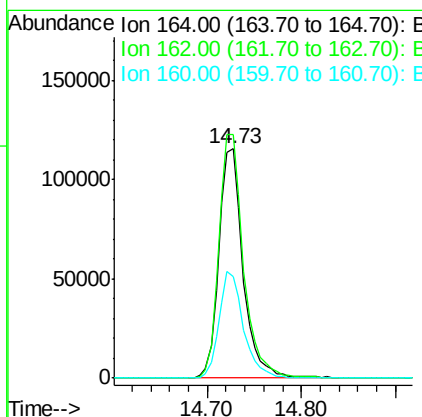
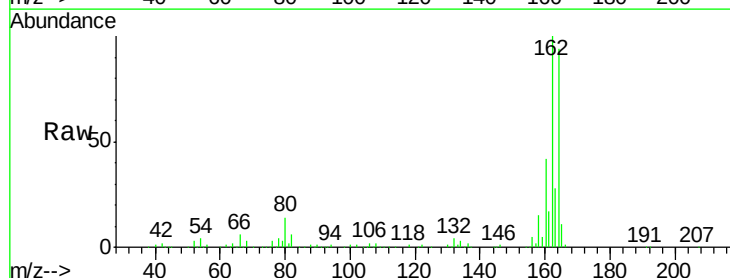
Instrument :  
BNA\_G  
ClientSampled :

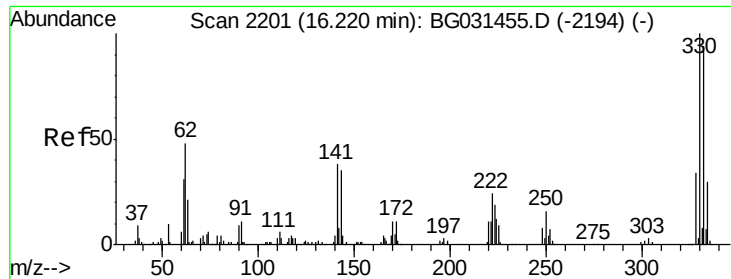
| Tot Ion   | 82    | Resp  | 450243 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.9  | 29.7  | 44.5#  |
| 54        | 47.7  | 43.1  | 64.7   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1947  
Delta R.T. -0.01 min  
Lab File: BG031651.D  
Acq: 19 Dec 2017 1:51

| Tgt Ion   | 164   | Resp  | 207936 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.3 | 78.8  | 118.2  |
| 160       | 44.6  | 35.4  | 53.0   |

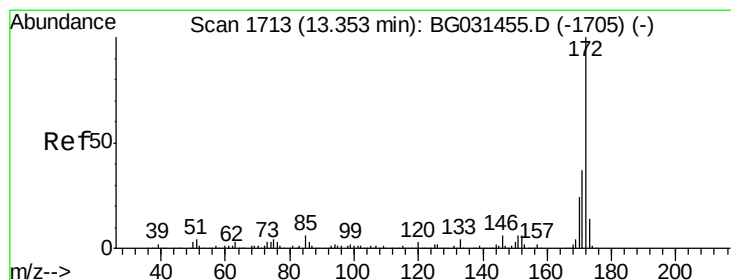
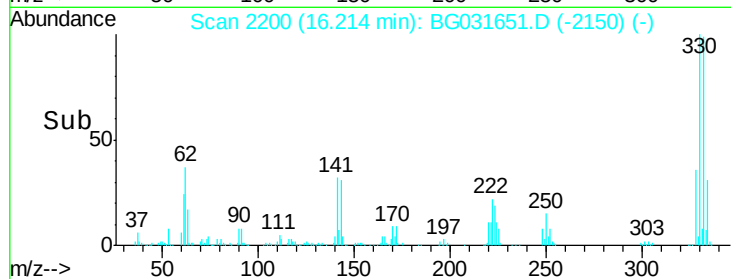
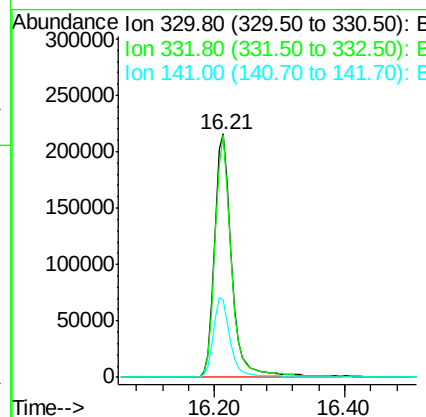
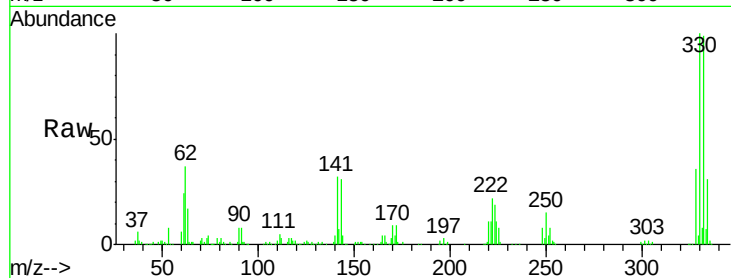




#41  
 2,4,6-Tribromophenol  
 Concen: 162.877 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.01 min  
 Lab File: BG031651.D  
 Acq: 19 Dec 2017 1:51

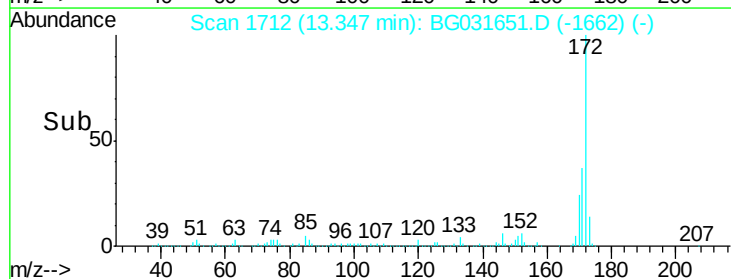
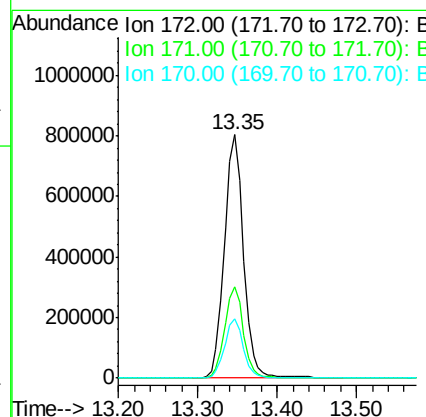
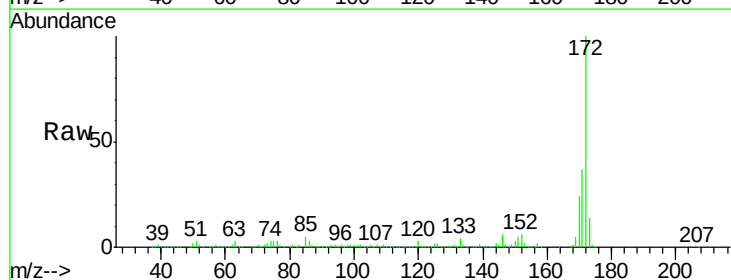
Instrument :  
 BNA\_G  
 ClientSampleId :

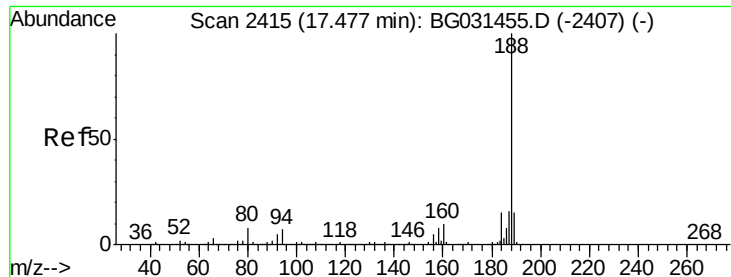
Tot Ion:330 Resp: 396778  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.0 115.6  
 141 32.3 25.2 37.8



#44  
 2-Fluorobiphenyl  
 Concen: 94.938 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.01 min  
 Lab File: BG031651.D  
 Acq: 19 Dec 2017 1:51

Tgt Ion:172 Resp: 1344874  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 30.0 45.0  
 170 24.3 19.5 29.3





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG031651.D

Acq: 19 Dec 2017 1:51

Instrument :

BNA\_G

ClientSampleId :

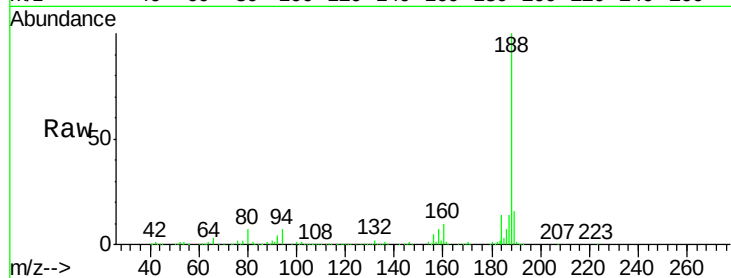
Tot Ion:188 Resp: 559934

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

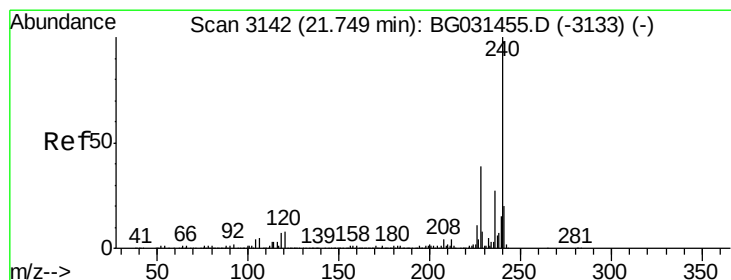
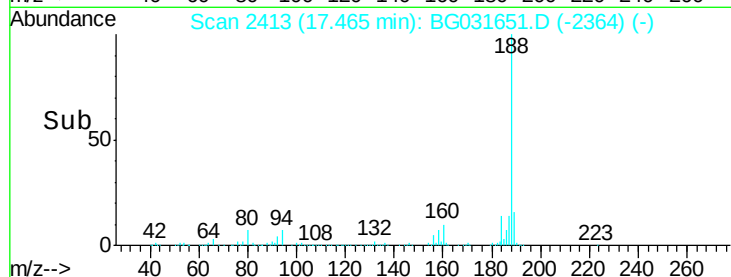
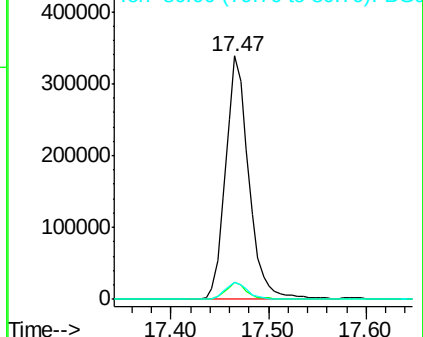
80 7.3 7.7 11.5#



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: 21.74 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG031651.D

Acq: 19 Dec 2017 1:51

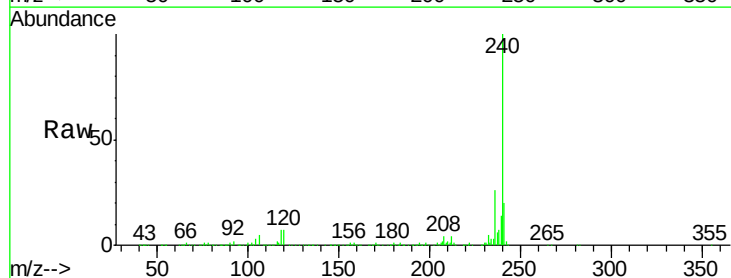
Tgt Ion:240 Resp: 581379

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

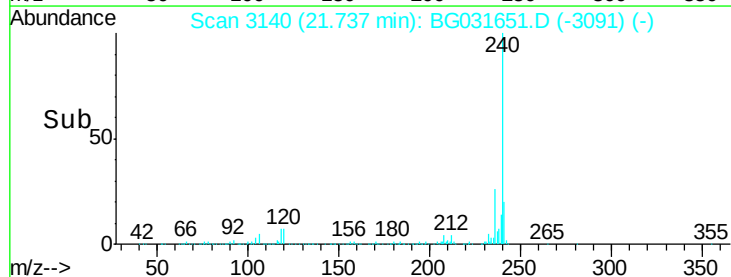
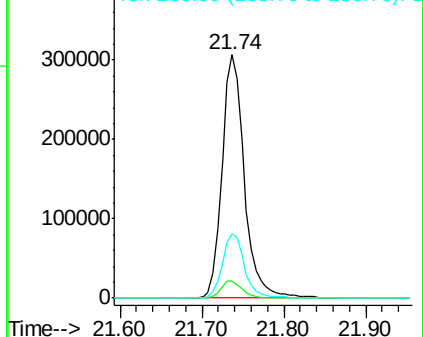
236 26.2 20.9 31.3

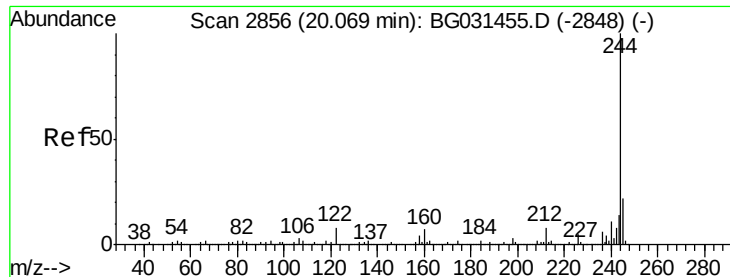


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 94.797 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031651.D

Acq: 19 Dec 2017 1:51

Instrument :

BNA\_G

ClientSampled :

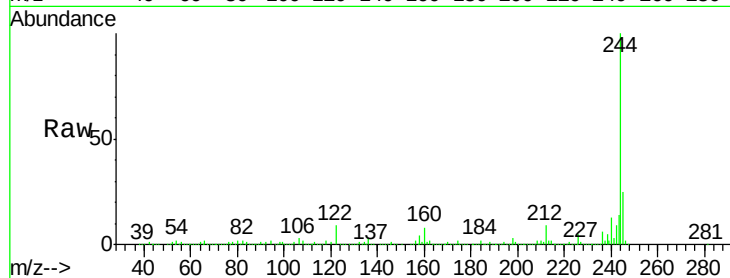
Tot Ion:244 Resp: 2422371

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

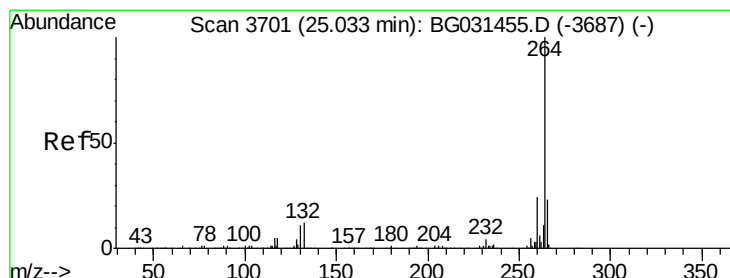
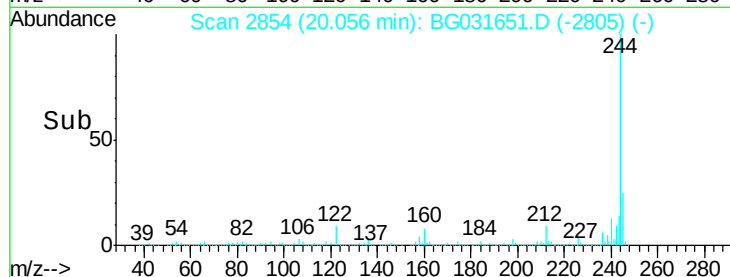
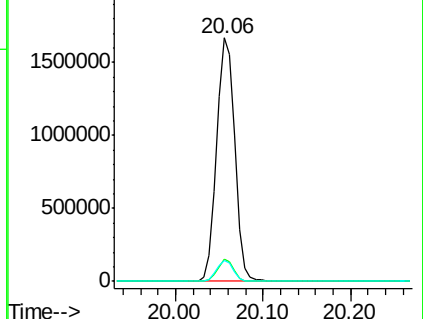
122 8.8 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3698

Delta R.T. -0.02 min

Lab File: BG031651.D

Acq: 19 Dec 2017 1:51

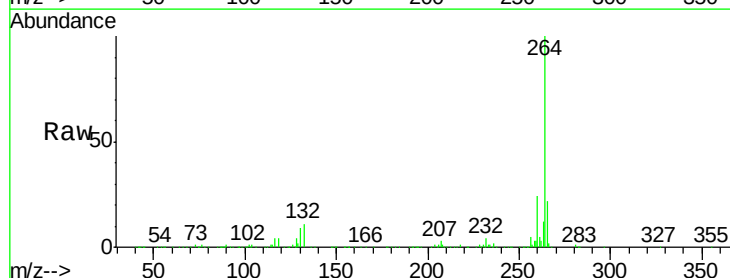
Tgt Ion:264 Resp: 509902

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 22.4 17.7 26.5



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

