

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060817\  
 Data File : BG027322.D  
 Acq On : 8 Jun 2017 18:20  
 Operator : SJ/MA  
 Sample : I3460-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EB-2017.06.02

Quant Time: Jun 08 18:57:42 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 08 17:56:11 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 43524    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.38 | 136  | 206820   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.14 | 164  | 135644   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.89 | 188  | 345525   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.27 | 240  | 396668   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.96 | 264  | 367622   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.14  | 112  | 178426   | 62.56  | ng    | 0.00     |
| 7) Phenol-d6                | 7.69  | 99   | 155267   | 37.09  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.72  | 82   | 356655   | 108.45 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330  | 296421   | 165.95 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.76 | 172  | 852951   | 87.97  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.47 | 244  | 1545278  | 99.38  | ng    | 0.00     |

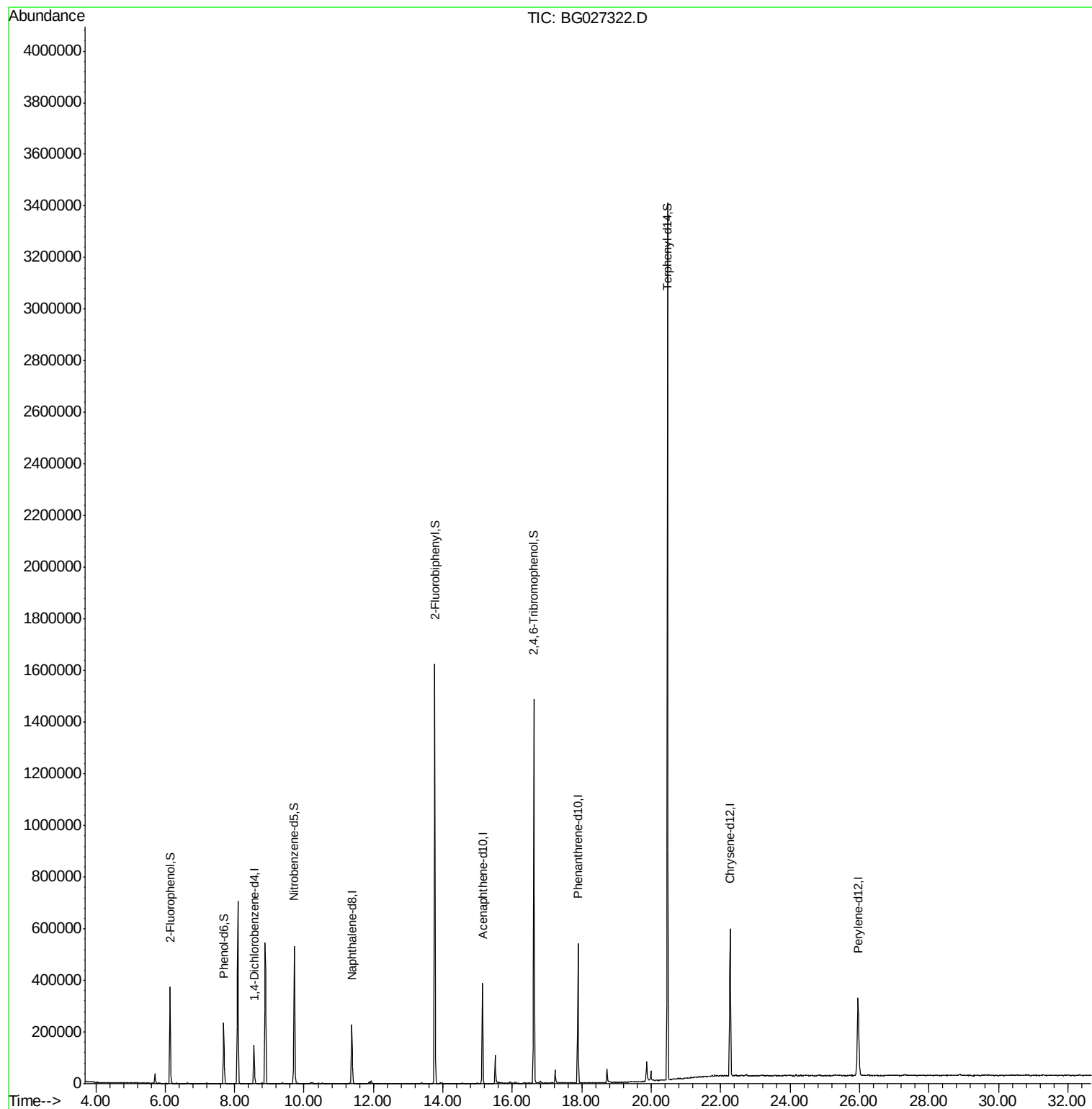
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

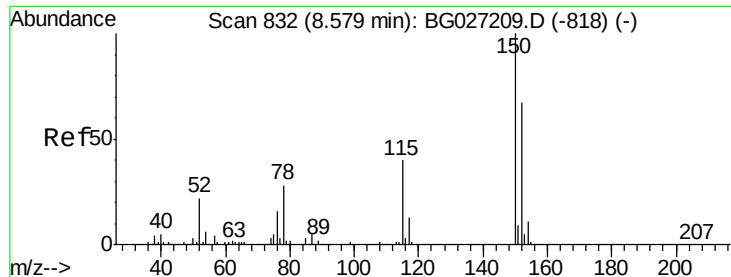
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060817\  
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Sample : I3460-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EB-2017.06.02

Quant Time: Jun 08 18:57:42 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 08 17:56:11 2017  
Response via : Initial Calibration



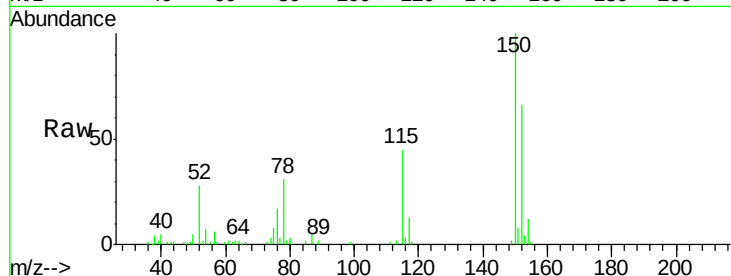


#1

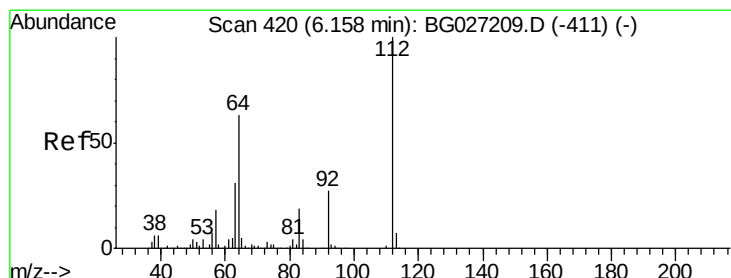
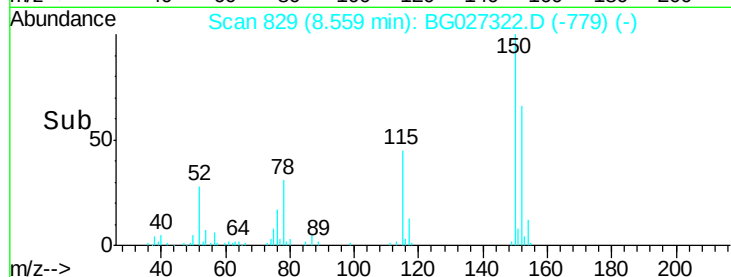
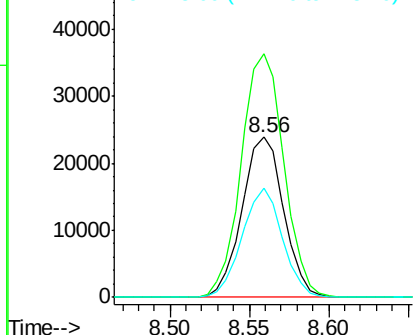
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.56 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BG027322.D  
Acq: 8 Jun 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :  
EB-2017.06.02

Tgt Ion:152 Resp: 43524  
Ion Ratio Lower Upper  
152 100  
150 152.0 114.0 171.0  
115 68.0 48.1 72.1



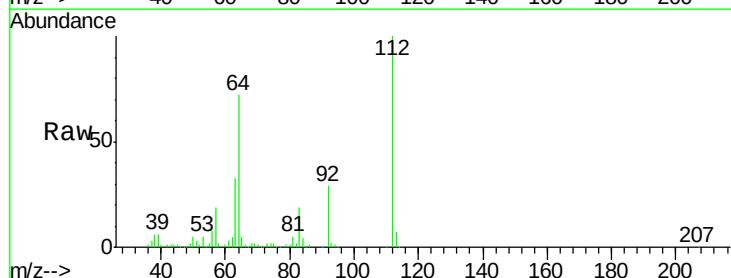
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



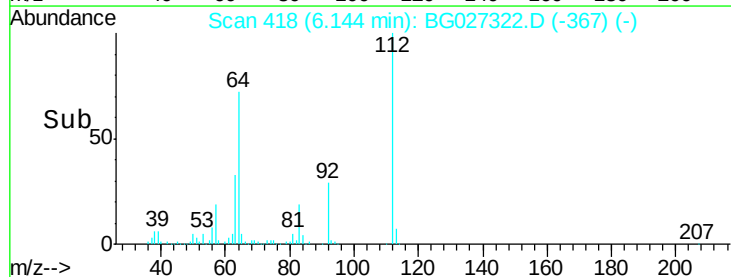
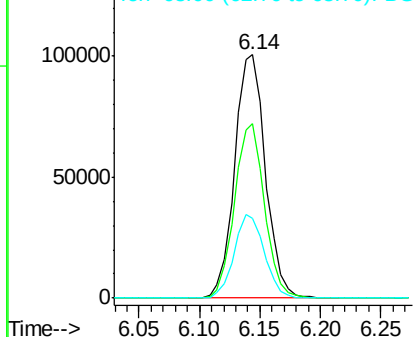
#5

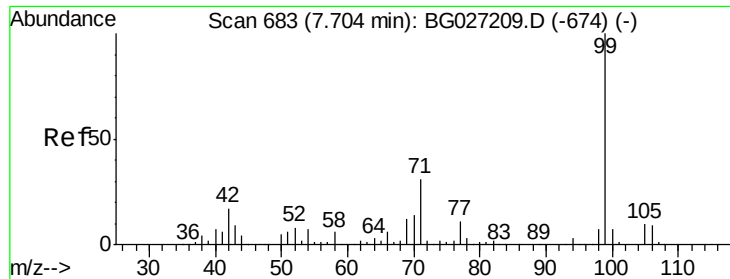
2-Fluorophenol  
Concen: 62.557 ng  
RT: 6.14 min Scan# 418  
Delta R.T. -0.00 min  
Lab File: BG027322.D  
Acq: 8 Jun 2017 18:20

Tgt Ion:112 Resp: 178426  
Ion Ratio Lower Upper  
112 100  
64 71.6 61.8 92.6  
63 33.0 37.2 55.8#



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: 37.085 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.00 min

Lab File: BG027322.D

Acq: 8 Jun 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

EB-2017.06.02

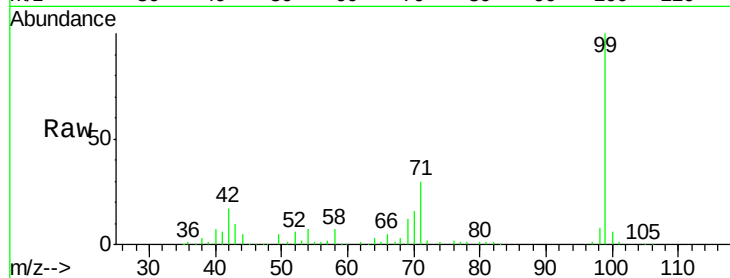
Tgt Ion: 99 Resp: 155267

Ion Ratio Lower Upper

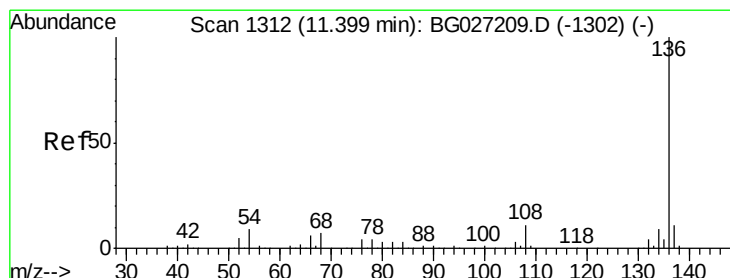
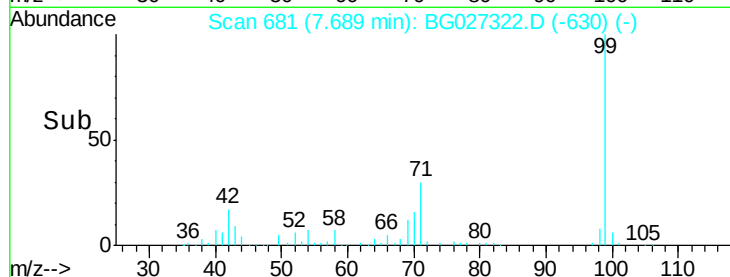
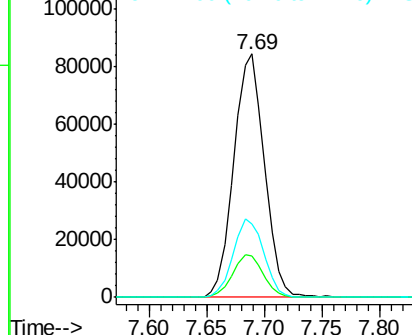
99 100

42 16.8 20.5 30.7#

71 30.1 37.6 56.4#



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: 11.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BG027322.D

Acq: 8 Jun 2017 18:20

Tgt Ion: 136 Resp: 206820

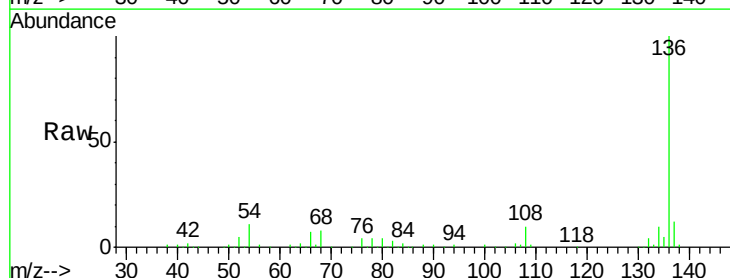
Ion Ratio Lower Upper

136 100

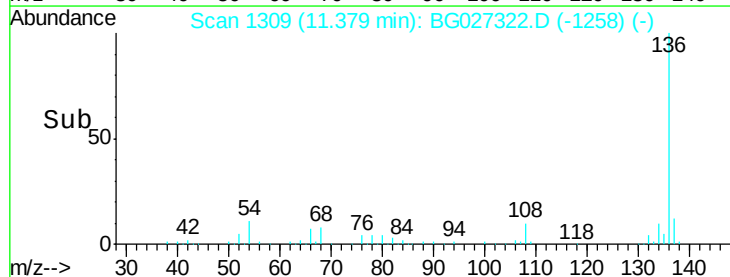
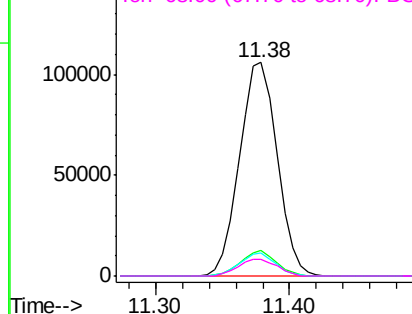
137 11.7 8.9 13.3

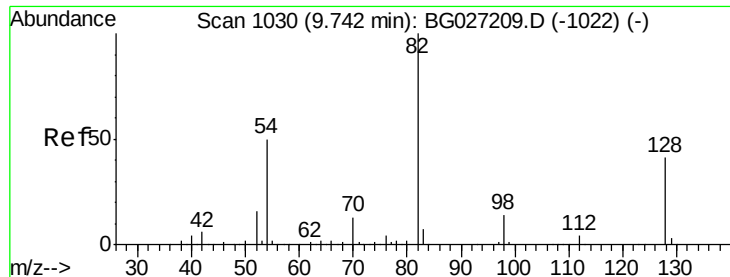
54 10.6 9.3 13.9

68 8.1 5.1 7.7#



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

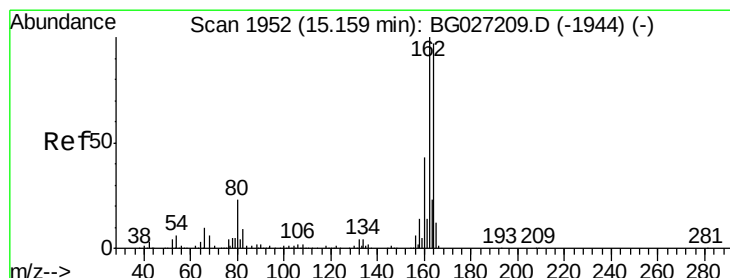
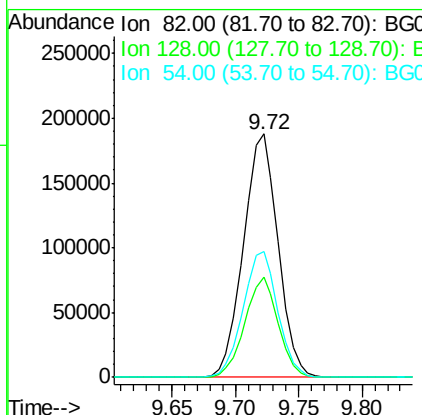
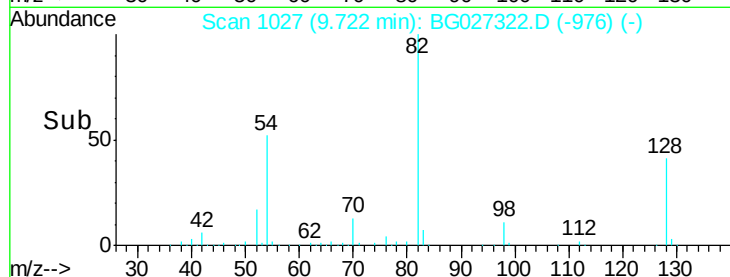
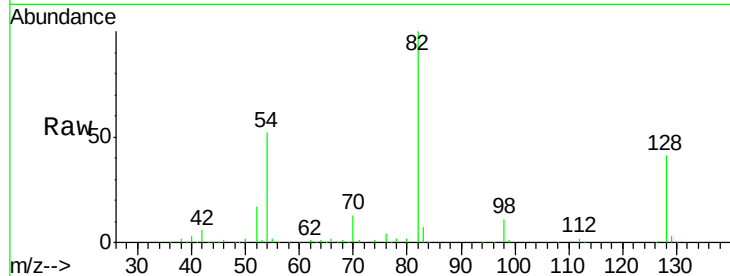




#23  
 Nitrobenzene-d5  
 Concen: 108.451 ng  
 RT: 9.72 min Scan# 1027  
 Delta R.T. -0.00 min  
 Lab File: BG027322.D  
 Acq: 8 Jun 2017 18:20

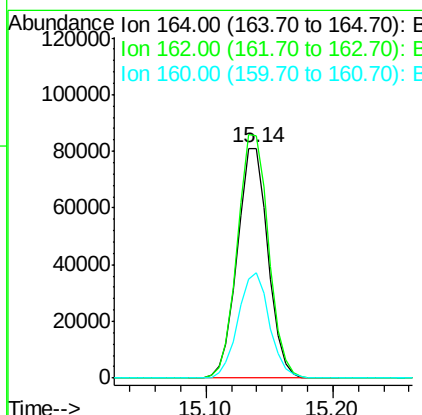
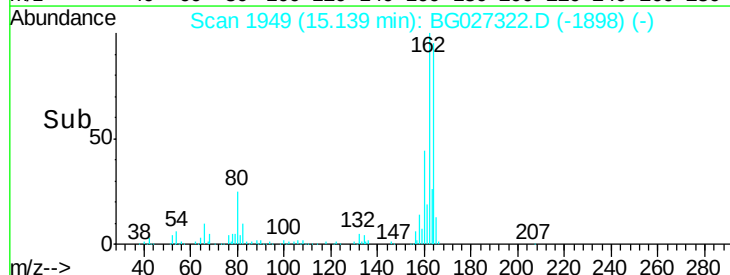
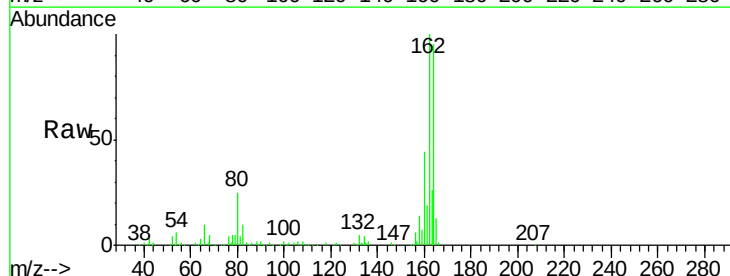
Instrument :  
 BNA\_G  
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 EB-2017.06.02

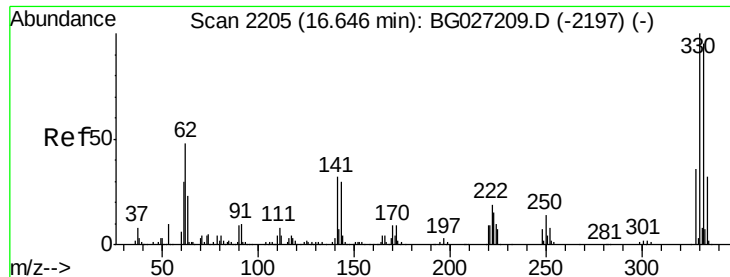
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.2  | 26.4  | 39.6  |
| 54      | 51.8  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.14 min Scan# 1949  
 Delta R.T. -0.00 min  
 Lab File: BG027322.D  
 Acq: 8 Jun 2017 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.2 | 85.1  | 127.7 |
| 160     | 46.1  | 34.7  | 52.1  |

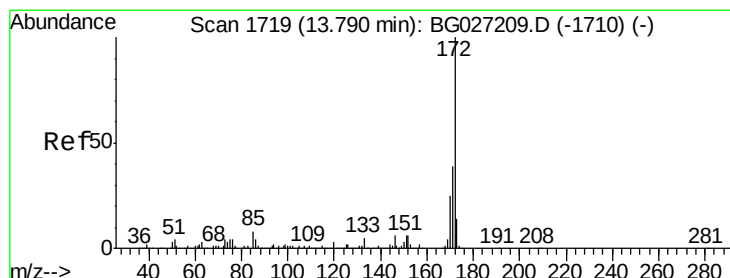
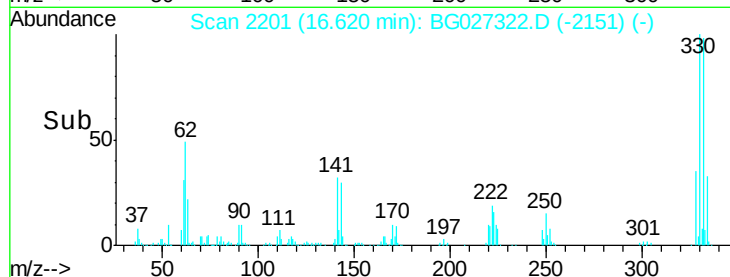
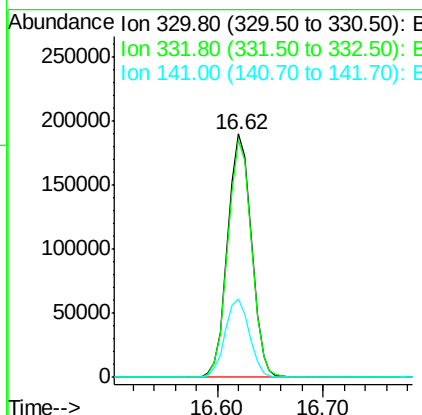
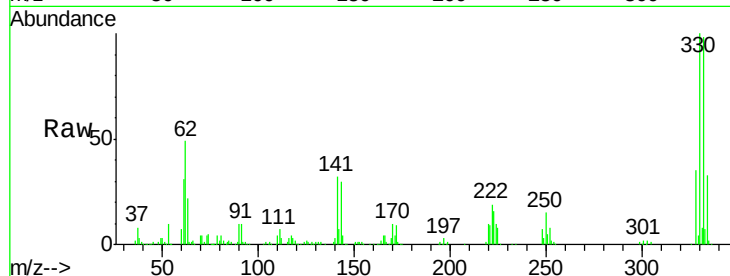




#41  
 2,4,6-Tribromophenol  
 Concen: 165.951 ng  
 RT: 16.62 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG027322.D  
 Acq: 8 Jun 2017 18:20

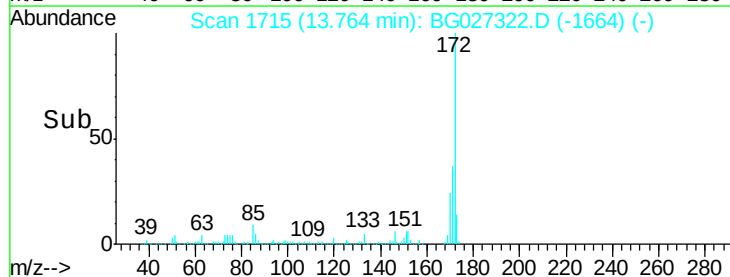
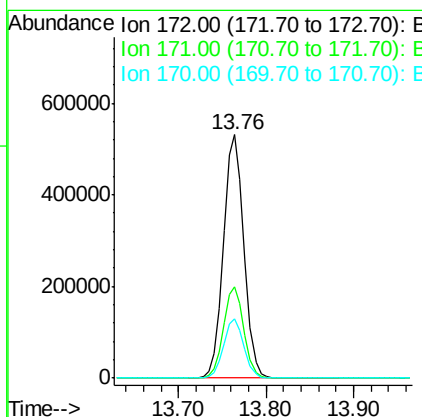
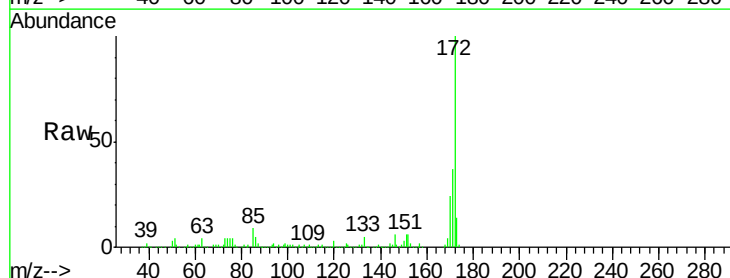
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EB-2017.06.02

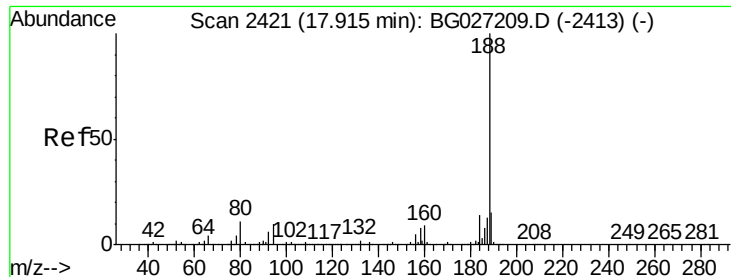
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.3  | 115.9 |
| 141     | 33.0  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 87.970 ng  
 RT: 13.76 min Scan# 1715  
 Delta R.T. -0.00 min  
 Lab File: BG027322.D  
 Acq: 8 Jun 2017 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 32.2  | 48.2  |
| 170     | 24.5  | 21.8  | 32.6  |

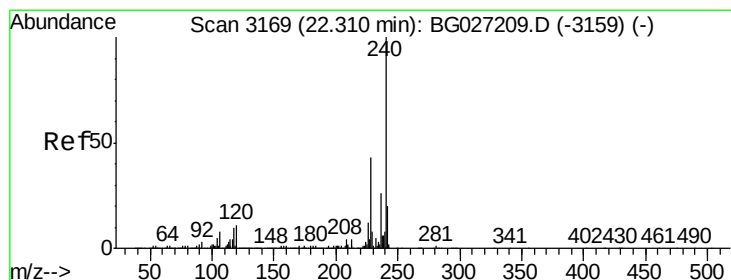
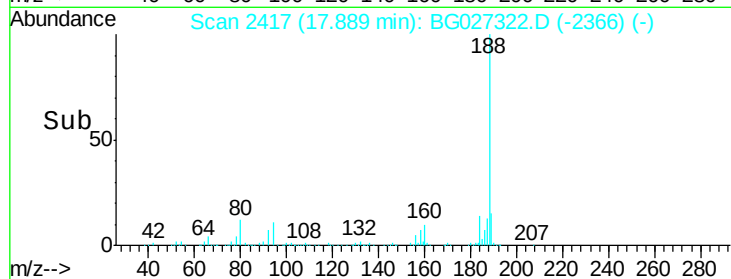
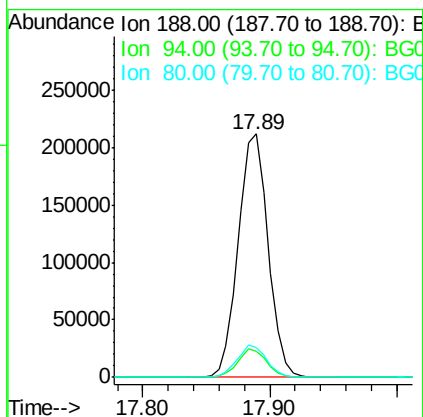
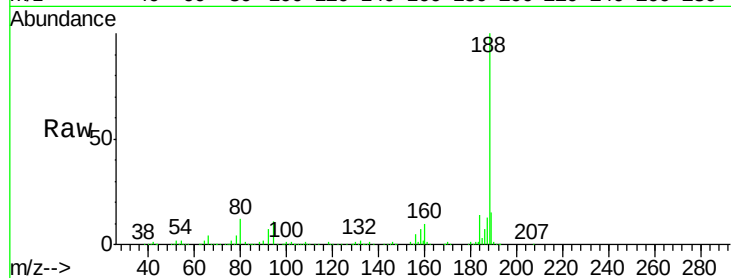




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.89 min Scan# 2417  
Delta R.T. -0.00 min  
Lab File: BG027322.D  
Acq: 8 Jun 2017 18:20

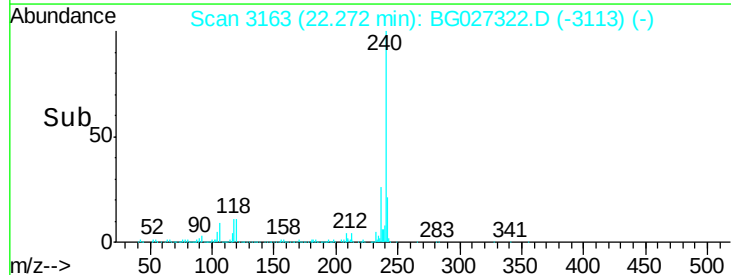
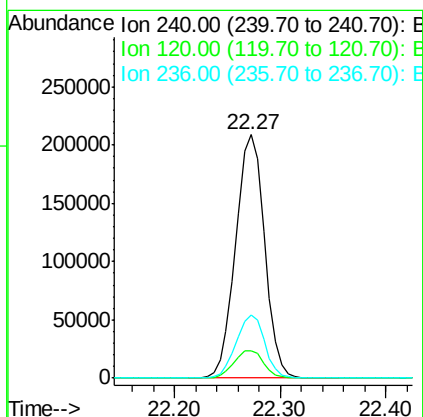
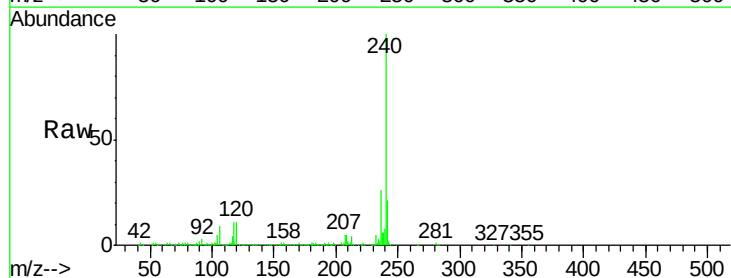
Instrument :  
BNA\_G  
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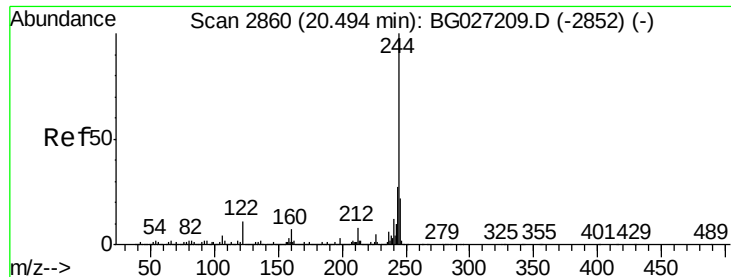
Tgt Ion:188 Resp: 345525  
Ion Ratio Lower Upper  
188 100  
94 10.9 5.8 8.8#  
80 12.5 7.5 11.3#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.27 min Scan# 3163  
Delta R.T. -0.01 min  
Lab File: BG027322.D  
Acq: 8 Jun 2017 18:20

Tgt Ion:240 Resp: 396668  
Ion Ratio Lower Upper  
240 100  
120 11.0 5.7 8.5#  
236 26.1 22.2 33.4





#78

Terphenyl-d14

Concen: 99.378 ng

RT: 20.47 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG027322.D

Acq: 8 Jun 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

EB-2017.06.02

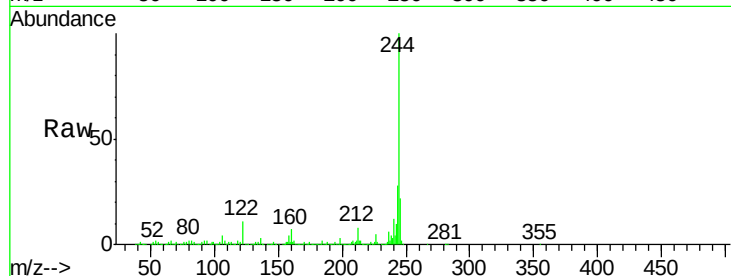
Tgt Ion:244 Resp: 1545278

Ion Ratio Lower Upper

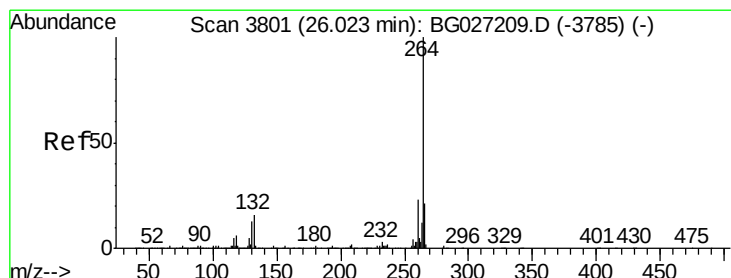
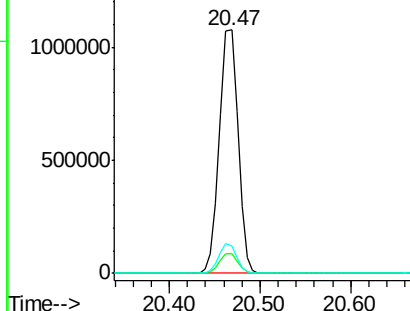
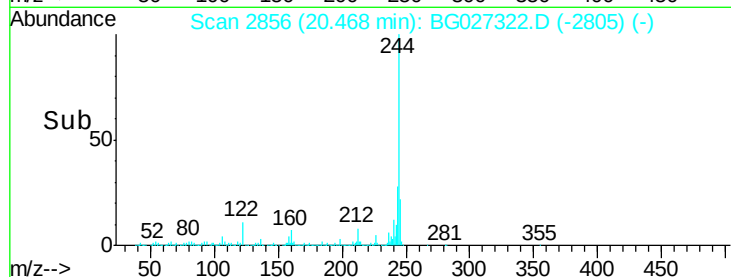
244 100

212 8.2 10.0 15.0#

122 11.1 8.6 12.8



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: 25.96 min Scan# 3790

Delta R.T. -0.01 min

Lab File: BG027322.D

Acq: 8 Jun 2017 18:20

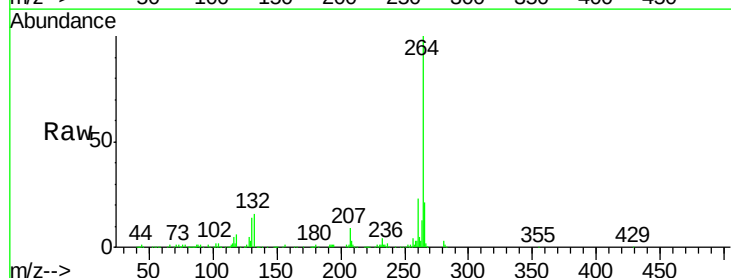
Tgt Ion:264 Resp: 367622

Ion Ratio Lower Upper

264 100

260 23.4 21.8 32.8

265 21.0 18.2 27.4



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

