

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071017\  
 Data File : BG027915.D  
 Acq On : 11 Jul 2017 12:19  
 Operator : SJ/JU  
 Sample : I4078-07  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-211

Quant Time: Jul 11 13:32:25 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 17:43:21 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.42  | 152  | 54011    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.23 | 136  | 231631   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 15.01 | 164  | 132854   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.76 | 188  | 316550   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 22.10 | 240  | 342768   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.66 | 264  | 331748   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.00  | 112  | 380855   | 108.59 | ng    | 0.00     |
| 7) Phenol-d6                | 7.57  | 99   | 460246   | 85.89  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.58  | 82   | 275196   | 66.22  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.50 | 330  | 269063   | 147.66 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.64 | 172  | 693616   | 74.56  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.34 | 244  | 1289898  | 88.22  | ng    | -0.01    |

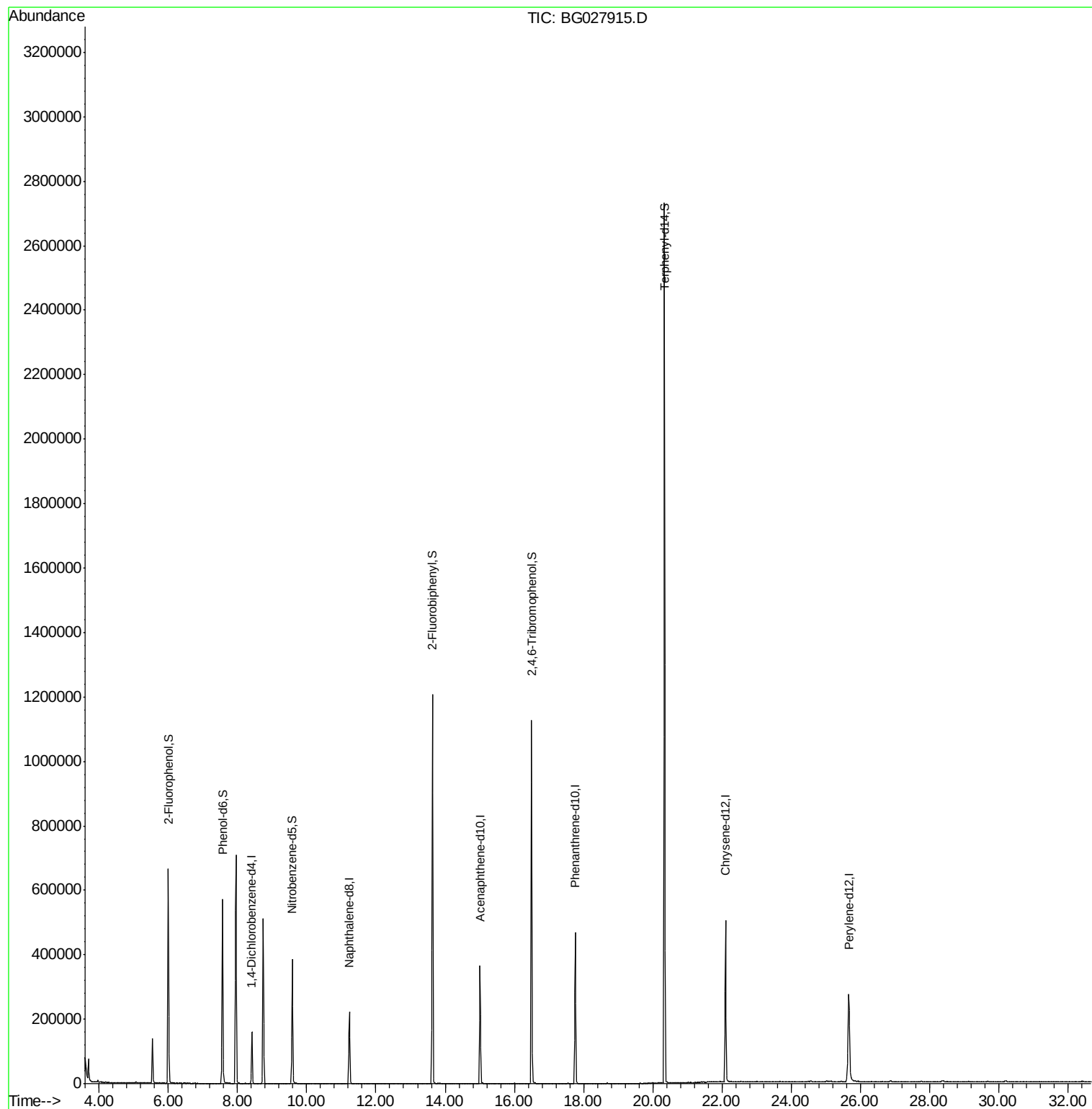
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

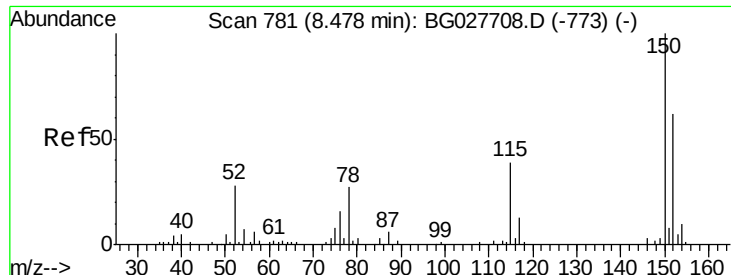
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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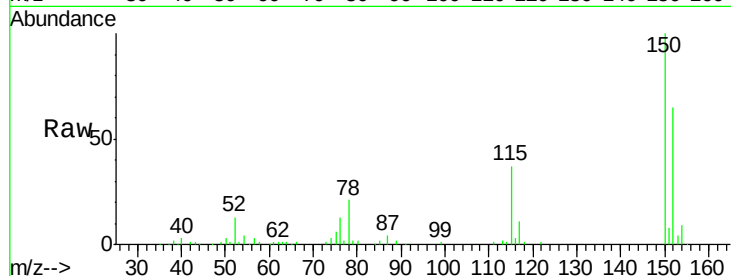


#1

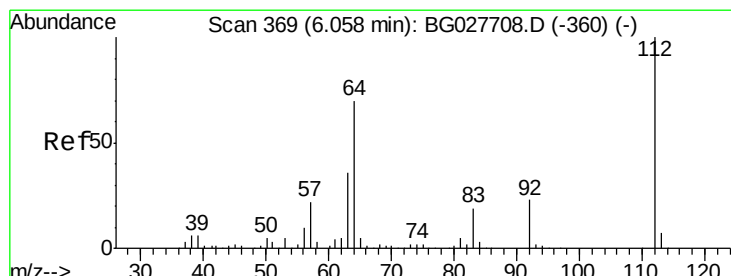
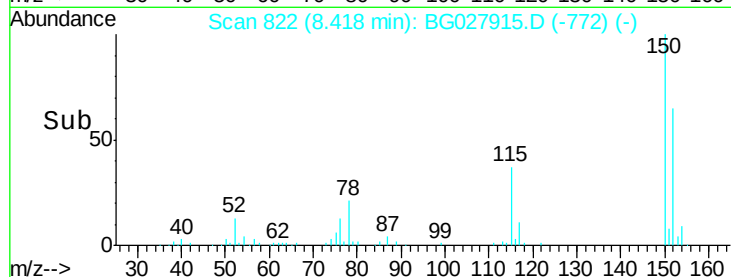
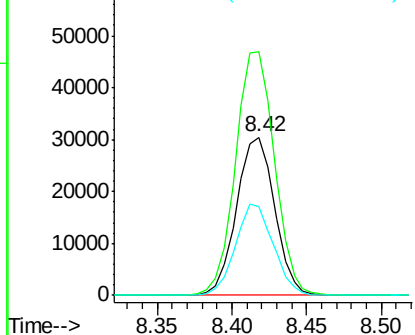
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.42 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BG027915.D  
Acq: 11 Jul 2017 12:19

Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-211

Tgt Ion:152 Resp: 54011  
Ion Ratio Lower Upper  
152 100  
150 153.8 114.0 171.0  
115 56.3 48.1 72.1



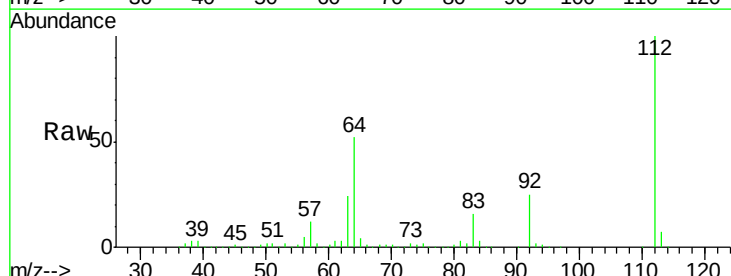
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



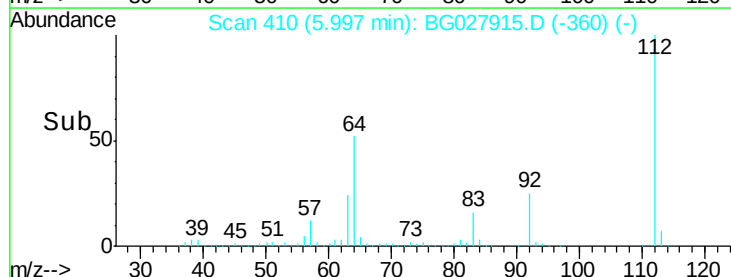
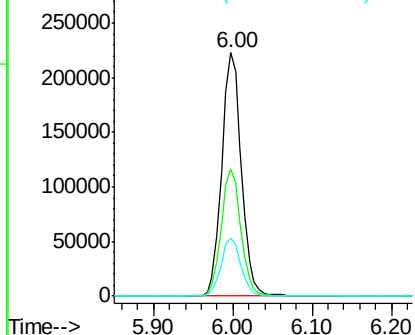
#5

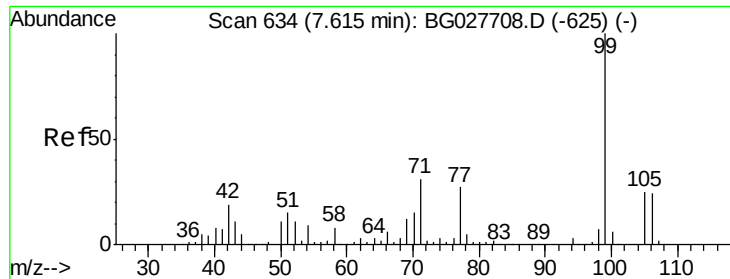
2-Fluorophenol  
Concen: 108.586 ng  
RT: 6.00 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BG027915.D  
Acq: 11 Jul 2017 12:19

Tgt Ion:112 Resp: 380855  
Ion Ratio Lower Upper  
112 100  
64 52.4 61.8 92.6#  
63 23.9 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: 85.895 ng

RT: 7.57 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG027915.D

Acq: 11 Jul 2017 12:19

Instrument :

BNA\_G

ClientSampleId :

VNJ-211

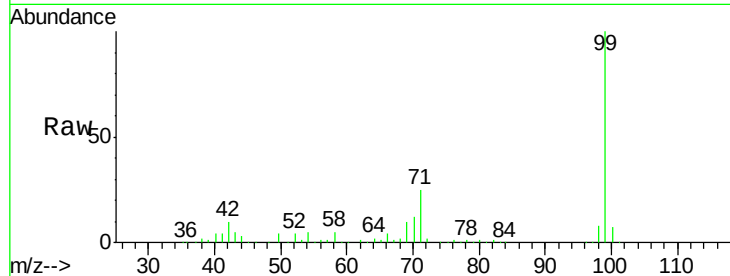
Tgt Ion: 99 Resp: 460246

Ion Ratio Lower Upper

99 100

42 10.2 20.5 30.7#

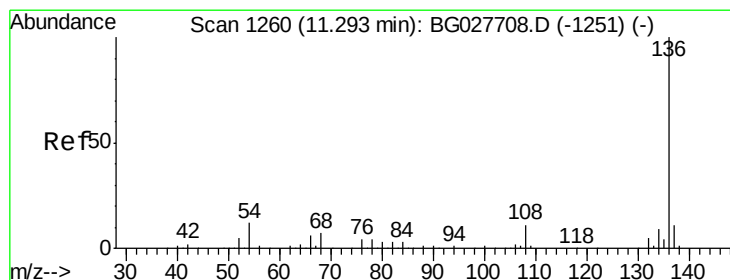
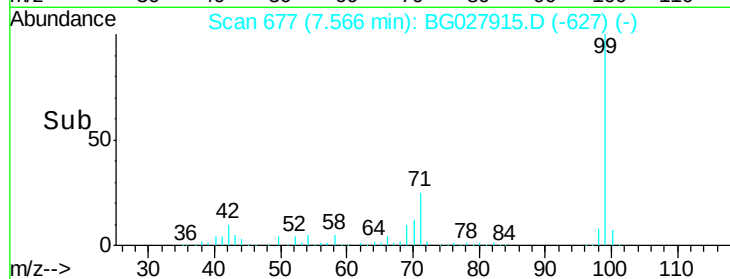
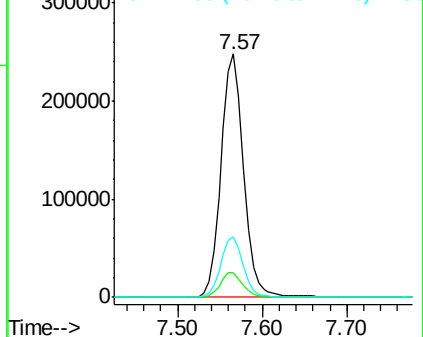
71 24.9 37.6 56.4#



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: 11.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BG027915.D

Acq: 11 Jul 2017 12:19

Tgt Ion: 136 Resp: 231631

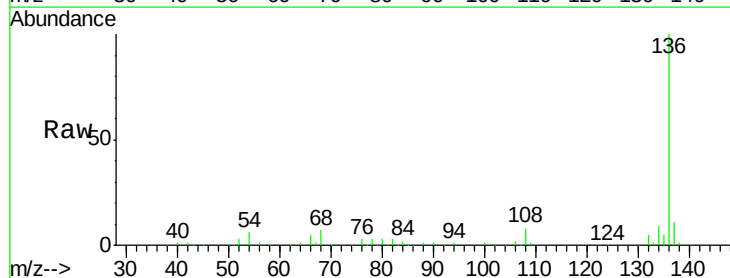
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.4 9.3 13.9#

68 6.7 5.1 7.7

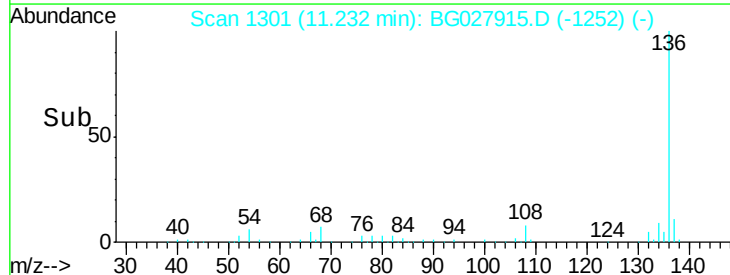
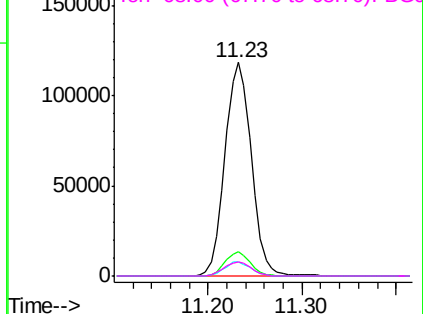


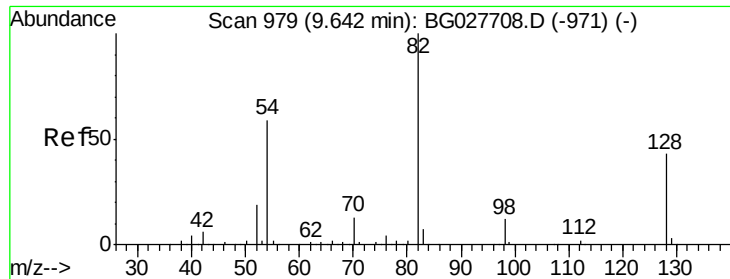
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

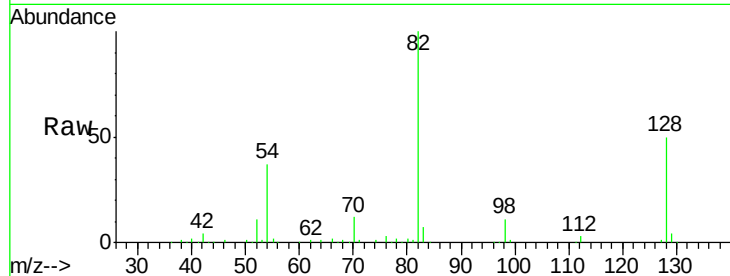




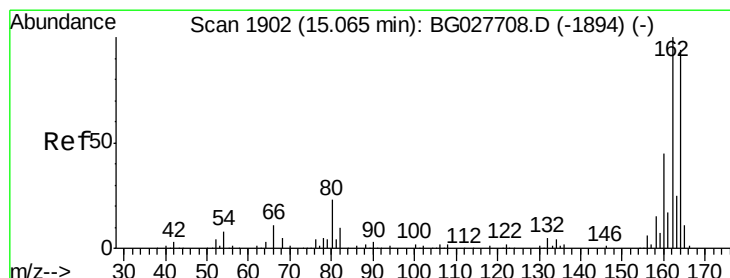
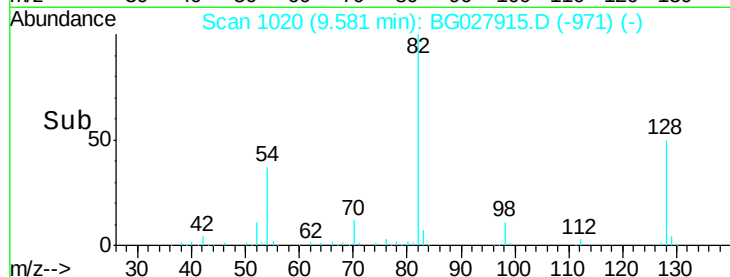
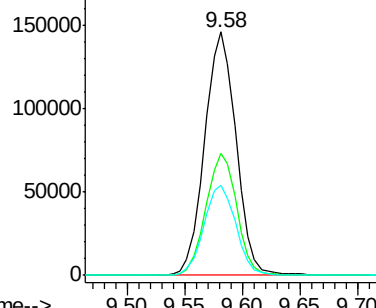
#23  
 Nitrobenzene-d5  
 Concen: 66.224 ng  
 RT: 9.58 min Scan# 1020  
 Delta R.T. -0.01 min  
 Lab File: BG027915.D  
 Acq: 11 Jul 2017 12:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-211

Tgt Ion: 82 Resp: 275196  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 26.4 39.6#  
 54 36.8 49.4 74.2#

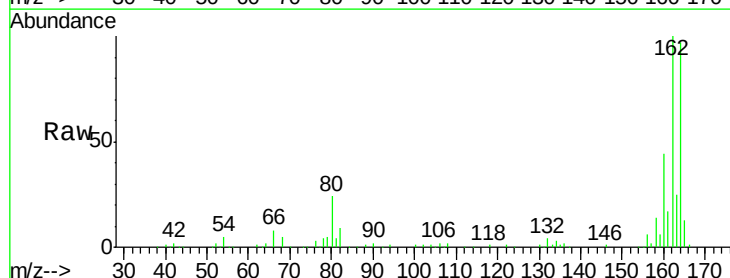


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

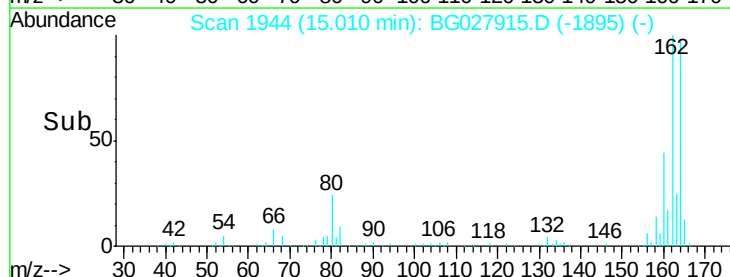
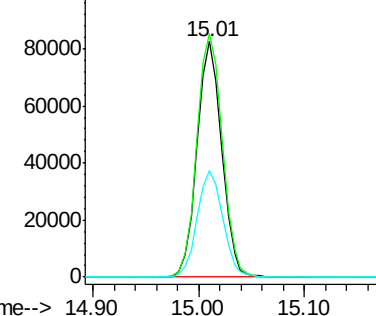


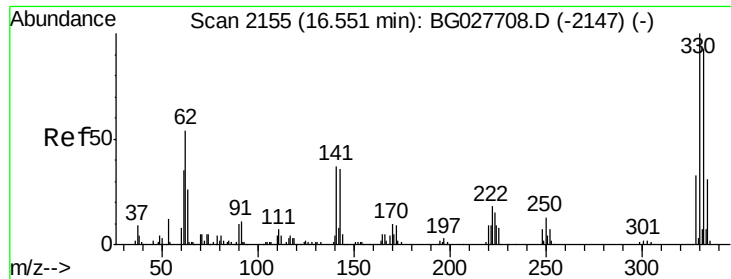
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.01 min Scan# 1944  
 Delta R.T. -0.01 min  
 Lab File: BG027915.D  
 Acq: 11 Jul 2017 12:19

Tgt Ion: 164 Resp: 132854  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 85.1 127.7  
 160 45.0 34.7 52.1



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

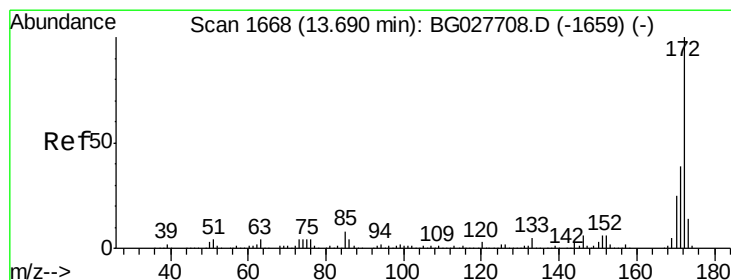
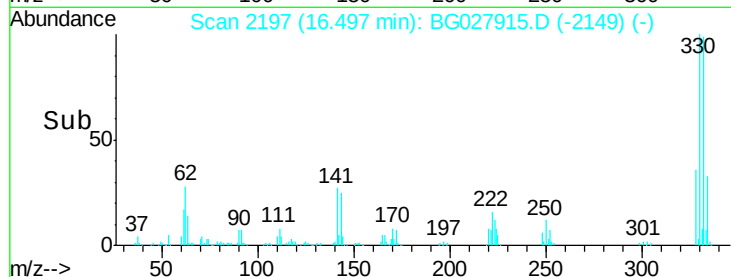
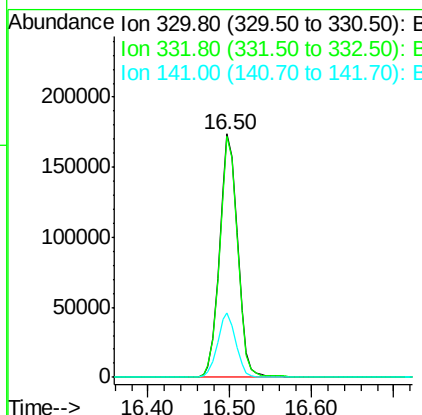
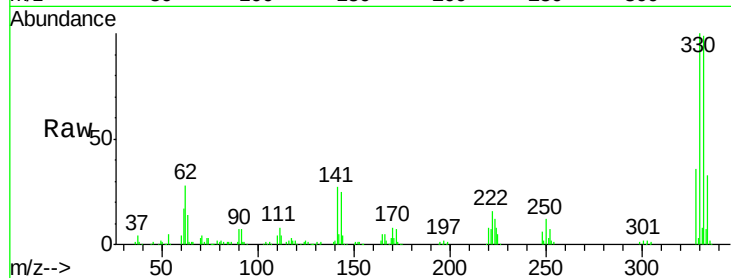




#41  
 2,4,6-Tribromophenol  
 Concen: 147.655 ng  
 RT: 16.50 min Scan# 2197  
 Delta R.T. -0.02 min  
 Lab File: BG027915.D  
 Acq: 11 Jul 2017 12:19

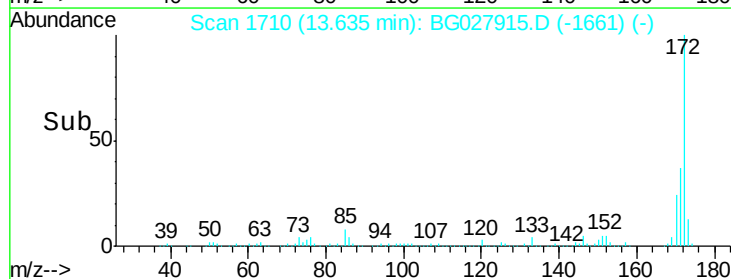
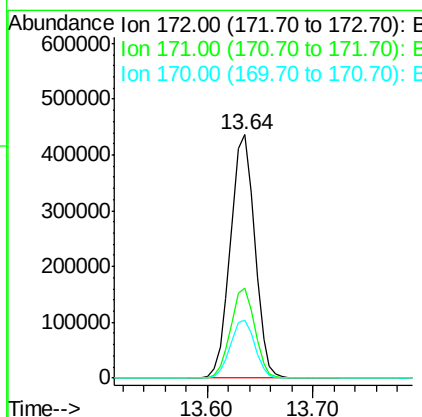
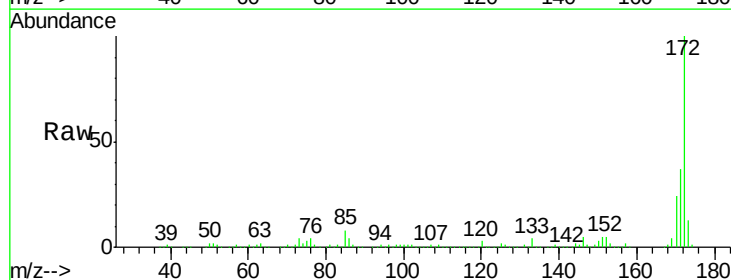
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-211

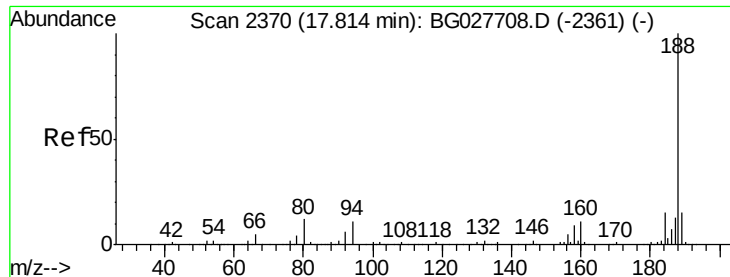
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.1  | 77.3  | 115.9 |
| 141     | 26.9  | 32.1  | 48.1# |



#44  
 2-Fluorobiphenyl  
 Concen: 74.563 ng  
 RT: 13.64 min Scan# 1710  
 Delta R.T. -0.01 min  
 Lab File: BG027915.D  
 Acq: 11 Jul 2017 12:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 32.2  | 48.2  |
| 170     | 23.6  | 21.8  | 32.6  |

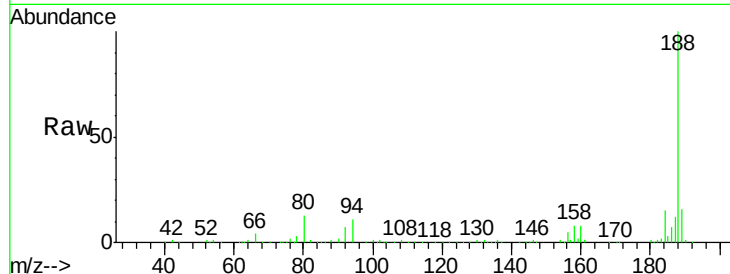




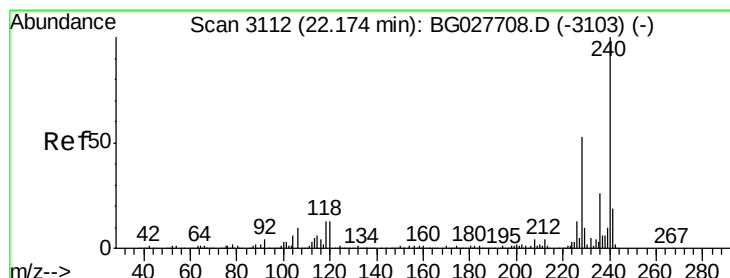
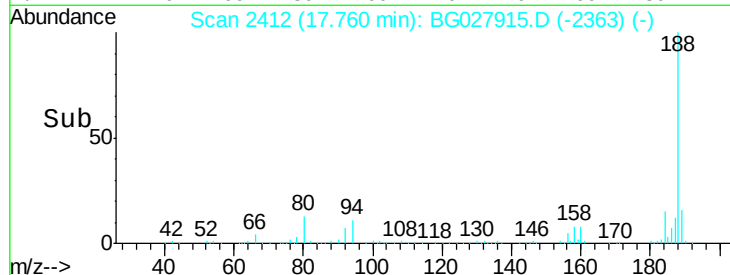
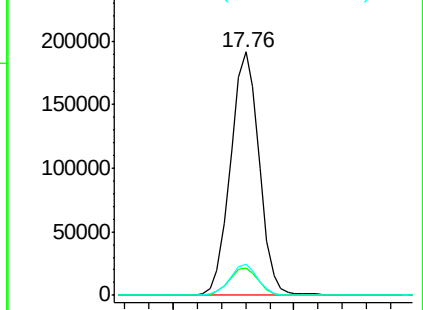
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.76 min Scan# 2412  
Delta R.T. -0.01 min  
Lab File: BG027915.D  
Acq: 11 Jul 2017 12:19

Instrument :  
BNA\_G  
ClientSampled :  
VNJ-211

Tgt Ion:188 Resp: 316550  
Ion Ratio Lower Upper  
188 100  
94 11.3 5.8 8.8#  
80 12.6 7.5 11.3#

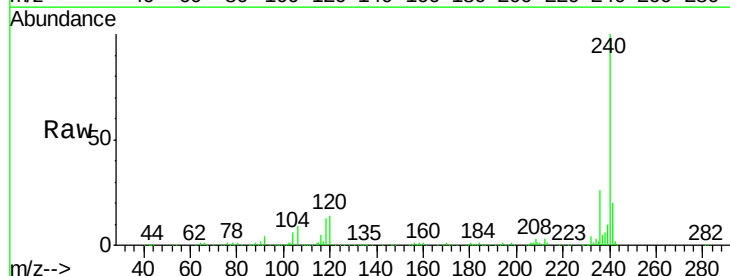


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

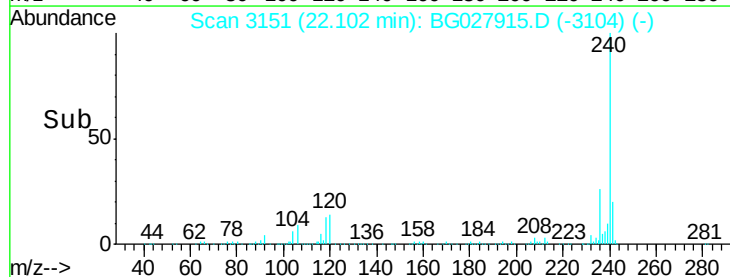
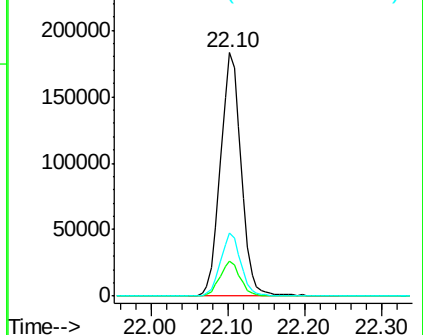


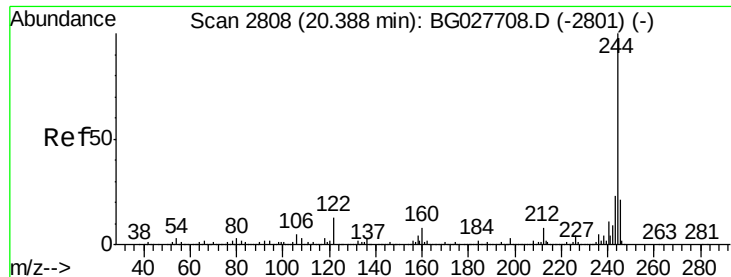
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.10 min Scan# 3151  
Delta R.T. -0.03 min  
Lab File: BG027915.D  
Acq: 11 Jul 2017 12:19

Tgt Ion:240 Resp: 342768  
Ion Ratio Lower Upper  
240 100  
120 14.1 5.7 8.5#  
236 26.1 22.2 33.4



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: 88.223 ng

RT: 20.34 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG027915.D

Acq: 11 Jul 2017 12:19

Instrument :

BNA\_G

ClientSampleId :

VNJ-211

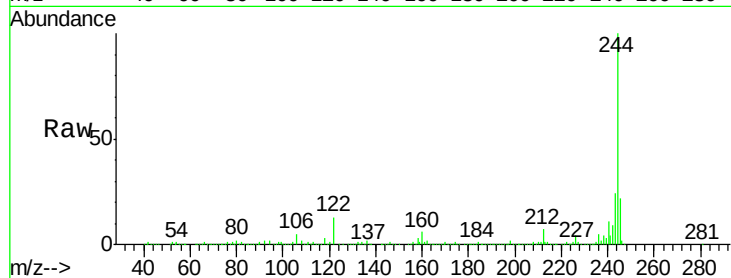
Tgt Ion:244 Resp: 1289898

Ion Ratio Lower Upper

244 100

212 6.5 10.0 15.0#

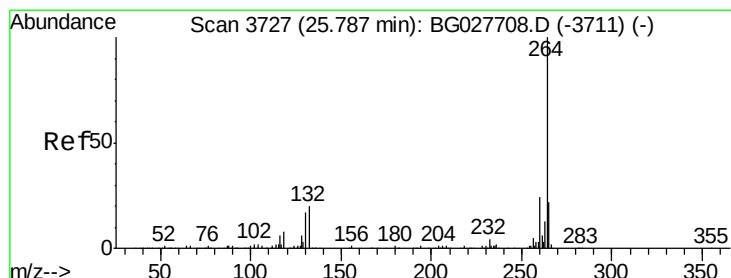
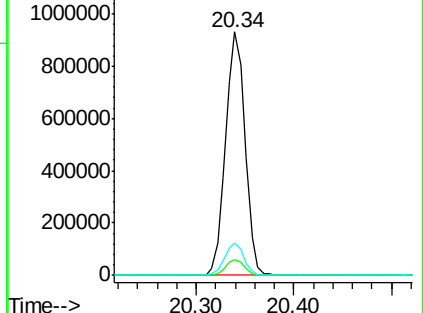
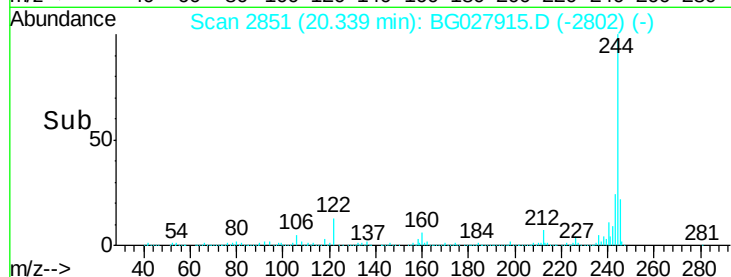
122 13.2 8.6 12.8#



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: 25.66 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG027915.D

Acq: 11 Jul 2017 12:19

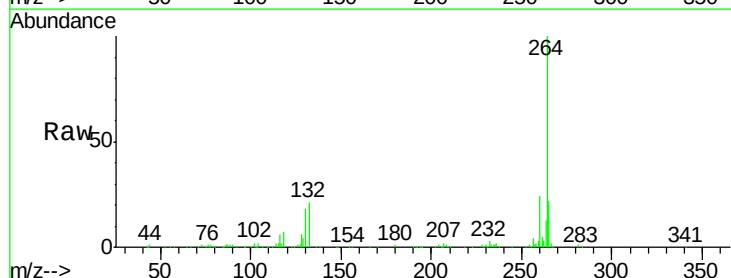
Tgt Ion:264 Resp: 331748

Ion Ratio Lower Upper

264 100

260 23.6 21.8 32.8

265 21.5 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

