

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011918\  
 Data File : BG032156.D  
 Acq On : 19 Jan 2018 17:51  
 Operator : SJ/JU  
 Sample : J1018-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-011818-A

Quant Time: Jan 20 00:02:20 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 18 10:13:16 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.74  | 152  | 39305    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.62 | 136  | 166646   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.38 | 164  | 117135   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.11 | 188  | 335997   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.45 | 240  | 450853   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.15 | 264  | 452668   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.17  | 112  | 310348   | 144.41 | ng    | 0.00     |
| 7) Phenol-d6                | 7.85  | 99   | 347413   | 128.36 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.94  | 82   | 261391   | 106.12 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.85 | 330  | 327688   | 169.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.00 | 172  | 916656   | 97.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.65 | 244  | 2015991  | 98.73  | ng    | 0.00     |

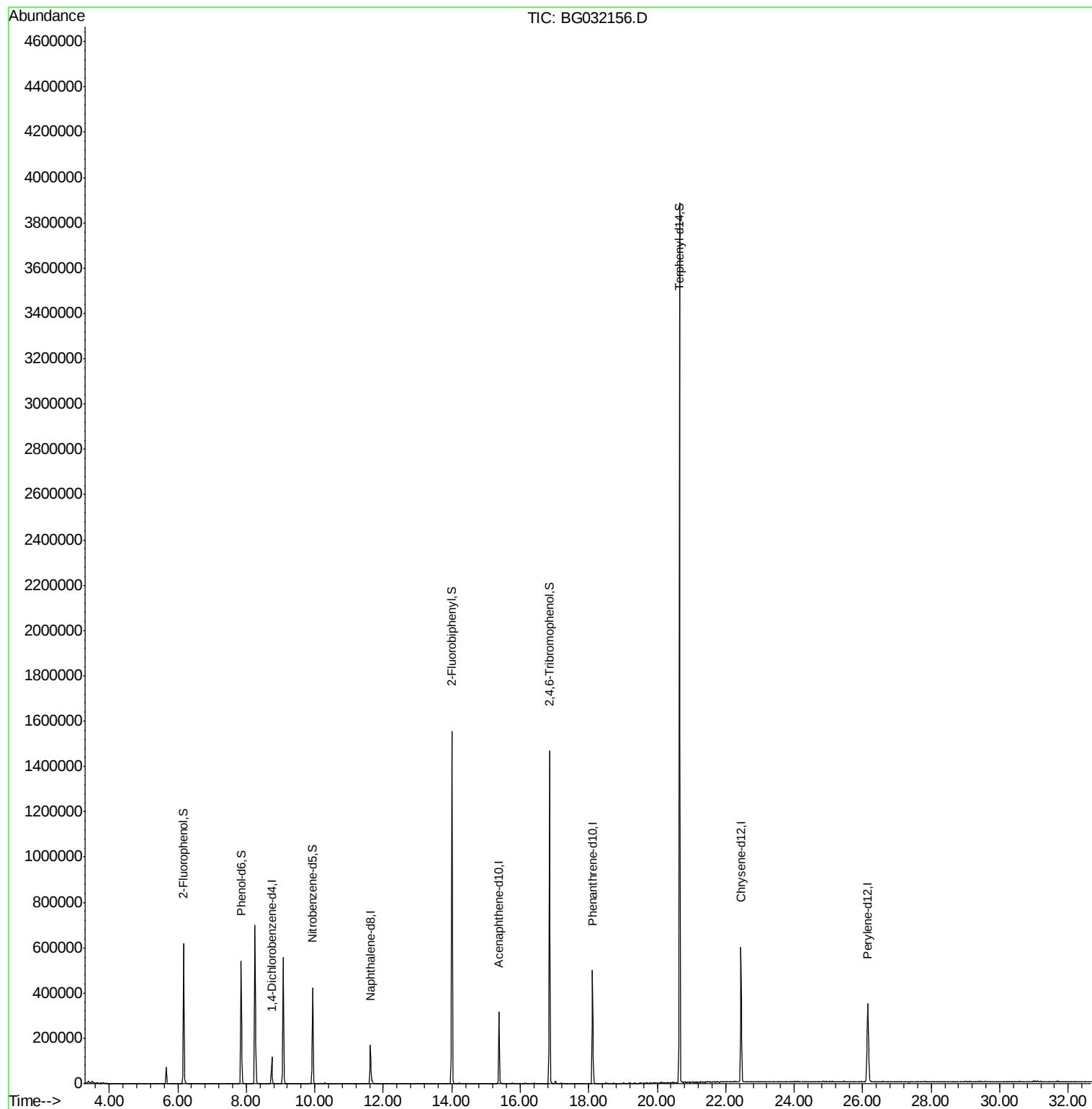
Target Compounds Qvalue

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011918\  
Data File : BG032156.D  
Acq On : 19 Jan 2018 17:51  
Operator : SJ/JU  
Sample : J1018-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-011818-A

Quant Time: Jan 20 00:02:20 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 18 10:13:16 2018  
Response via : Initial Calibration



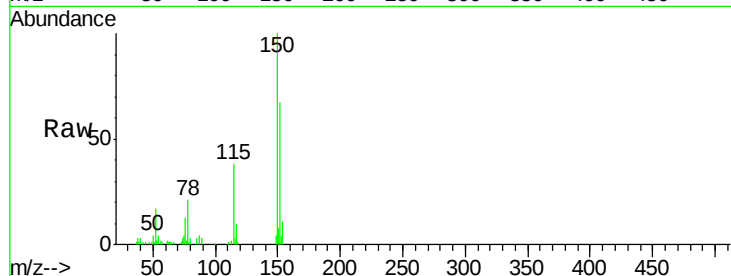


#1

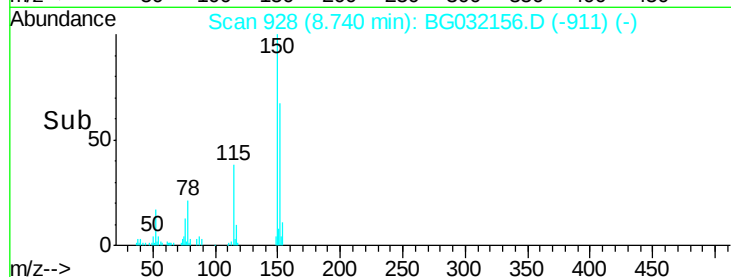
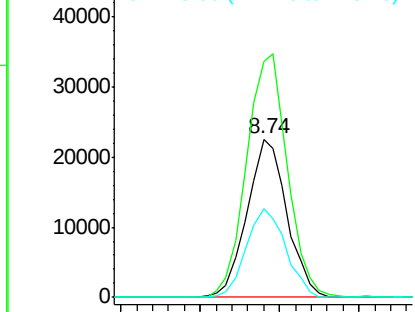
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.74 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: BG032156.D  
Acq: 19 Jan 2018 17:51

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-011818-A

Tot Ion:152 Resp: 39305  
Ion Ratio Lower Upper  
152 100  
150 149.1 126.6 189.8  
115 56.1 53.0 79.4



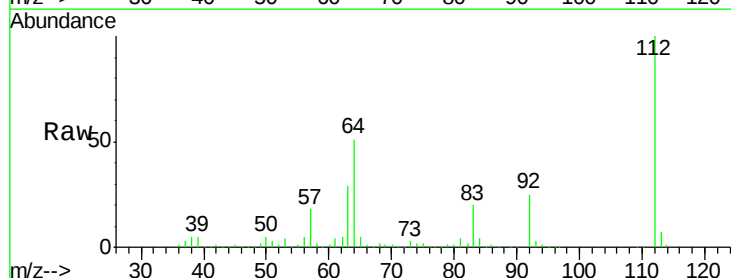
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



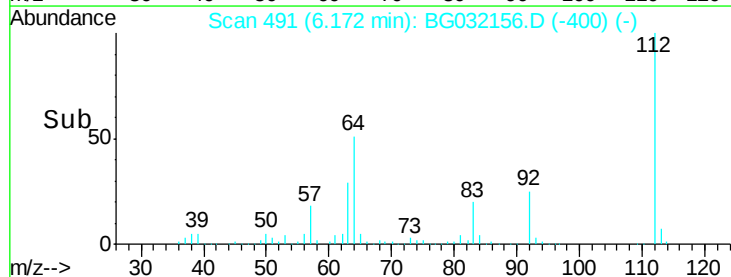
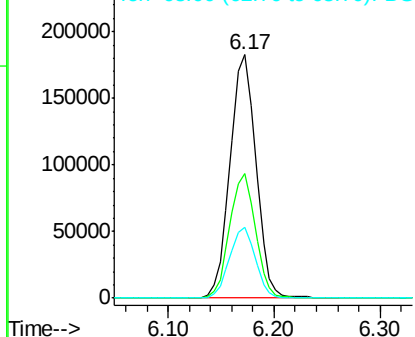
#5

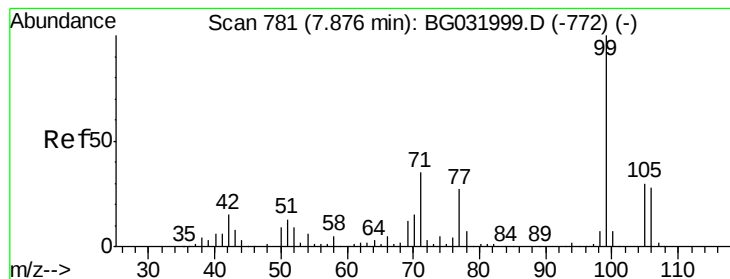
2-Fluorophenol  
Concen: 144.411 ng  
RT: 6.17 min Scan# 491  
Delta R.T. 0.00 min  
Lab File: BG032156.D  
Acq: 19 Jan 2018 17:51

Tgt Ion:112 Resp: 310348  
Ion Ratio Lower Upper  
112 100  
64 51.1 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): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 128.357 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Instrument :

BNA\_G

ClientSampleId :

OR-02-011818-A

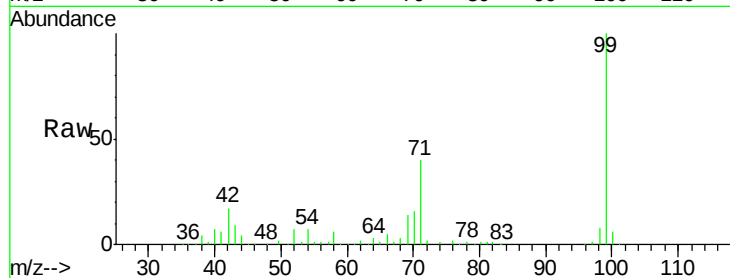
Tot Ion: 99 Resp: 347413

Ion Ratio Lower Upper

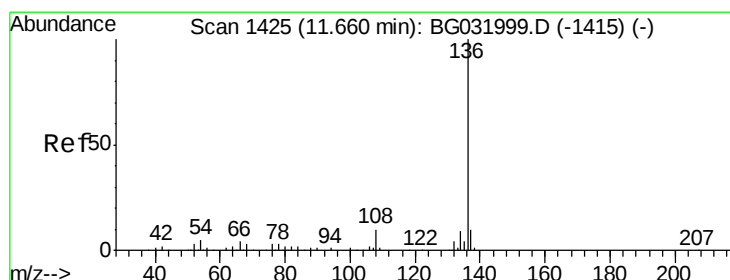
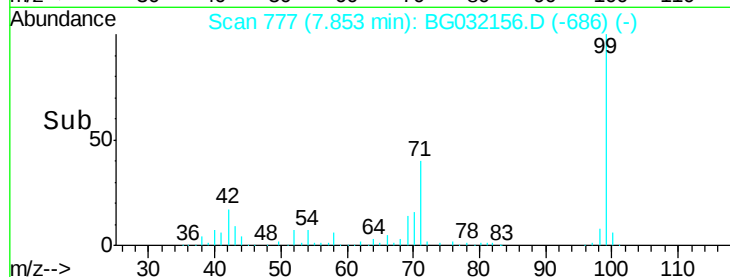
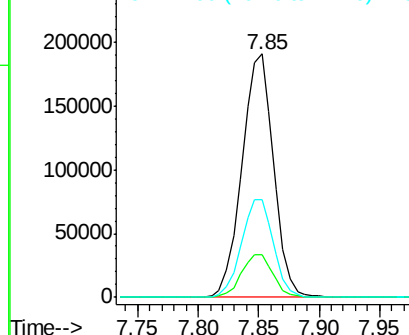
99 100

42 17.3 14.1 21.1

71 40.1 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: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Tgt Ion: 136 Resp: 166646

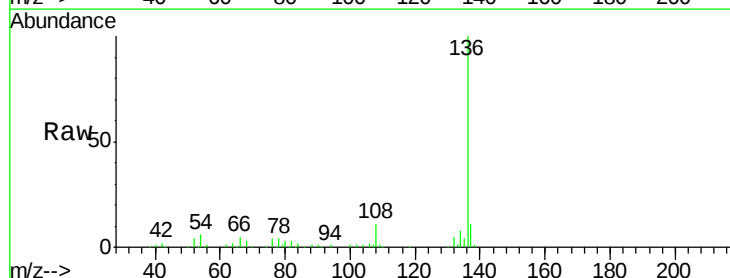
Ion Ratio Lower Upper

136 100

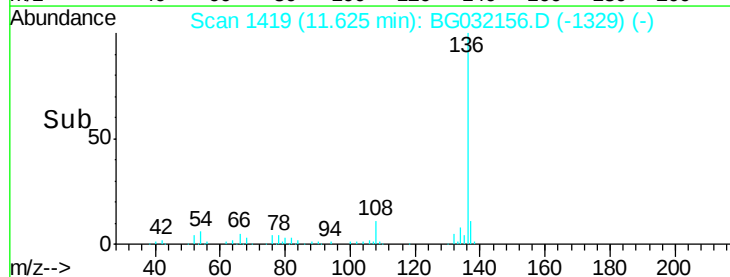
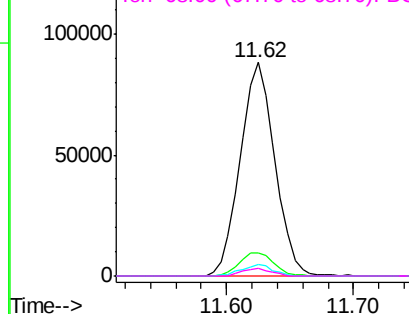
137 10.8 9.2 13.8

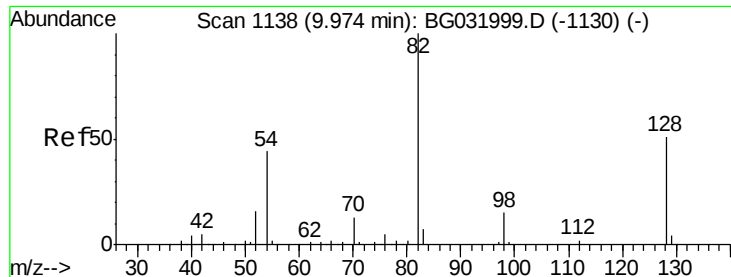
54 5.6 10.3 15.5#

68 3.4 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

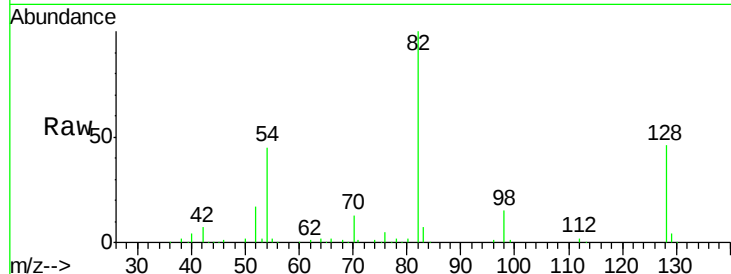




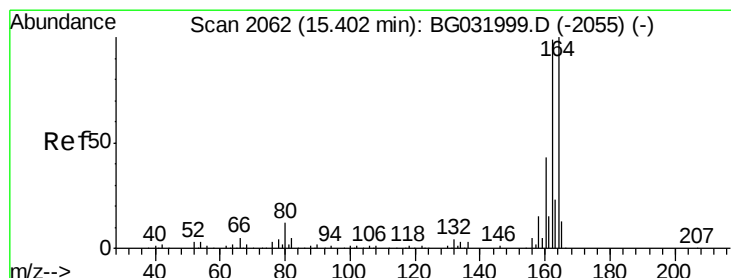
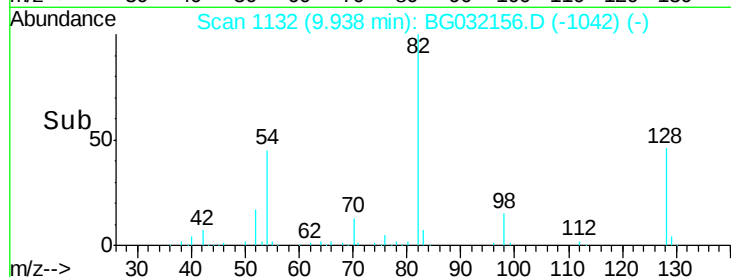
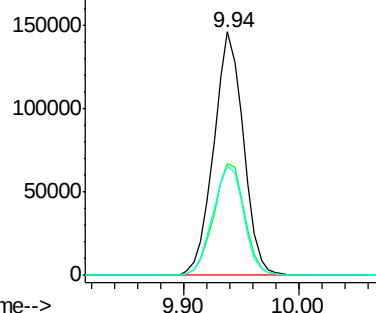
#23  
Nitrobenzene-d5  
Concen: 106.118 ng  
RT: 9.94 min Scan# 1132  
Delta R.T. -0.00 min  
Lab File: BG032156.D  
Acq: 19 Jan 2018 17:51

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-011818-A

Tot Ion: 82 Resp: 261391  
Ion Ratio Lower Upper  
82 100  
128 46.1 29.7 44.5#  
54 45.1 43.1 64.7

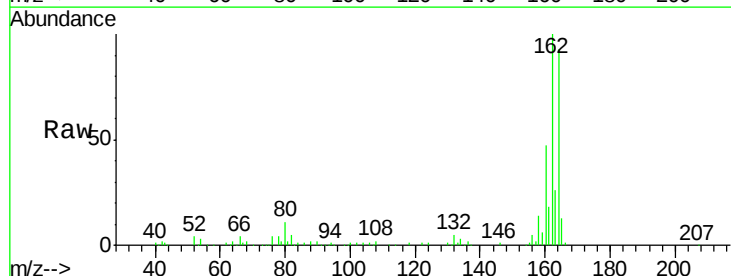


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

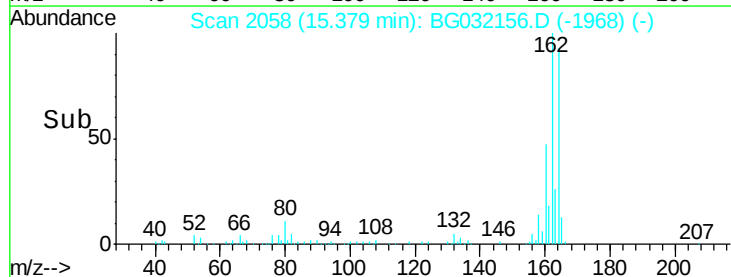
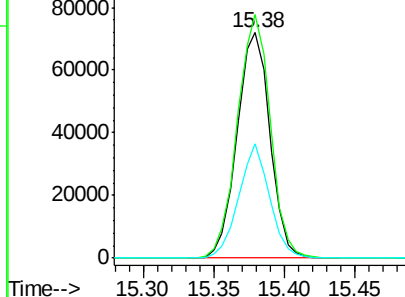


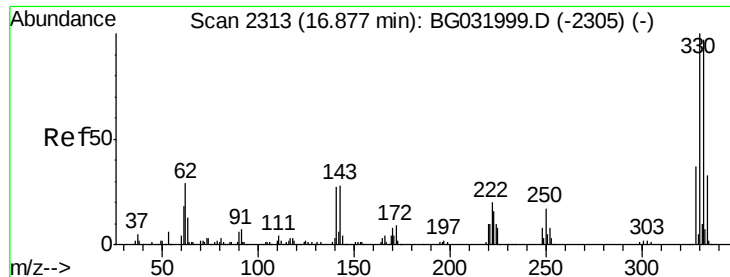
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.38 min Scan# 2058  
Delta R.T. -0.00 min  
Lab File: BG032156.D  
Acq: 19 Jan 2018 17:51

Tgt Ion:164 Resp: 117135  
Ion Ratio Lower Upper  
164 100  
162 108.1 78.8 118.2  
160 50.6 35.4 53.0



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

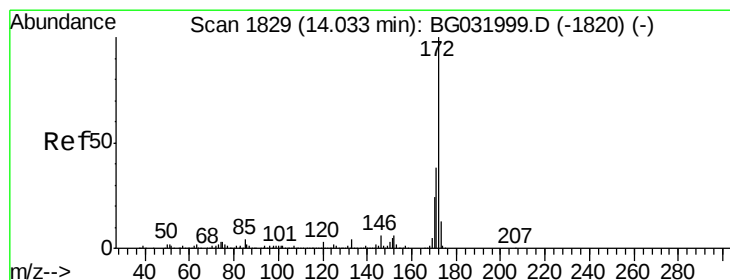
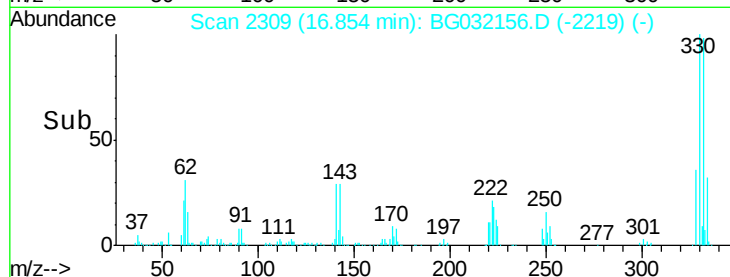
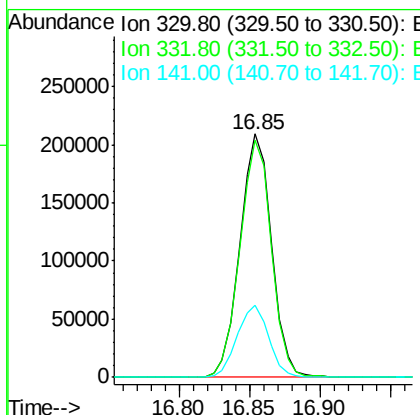
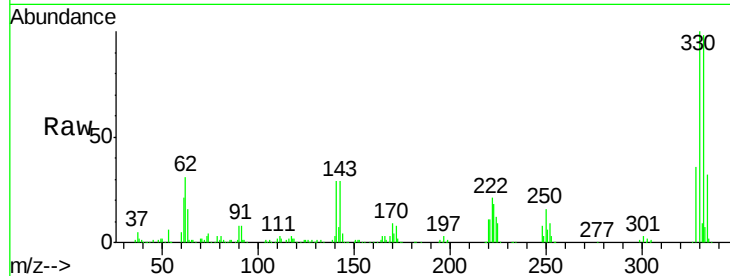




#41  
 2,4,6-Tribromophenol  
 Concen: 169.059 ng  
 RT: 16.85 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: BG032156.D  
 Acq: 19 Jan 2018 17:51

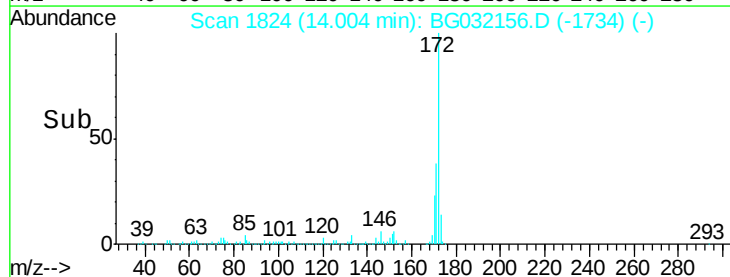
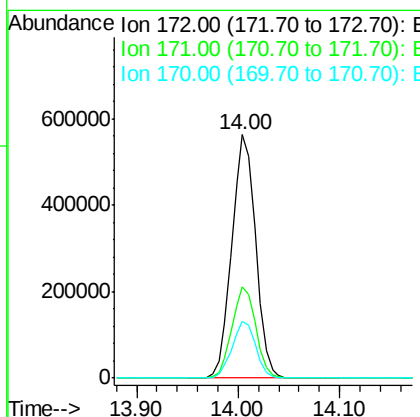
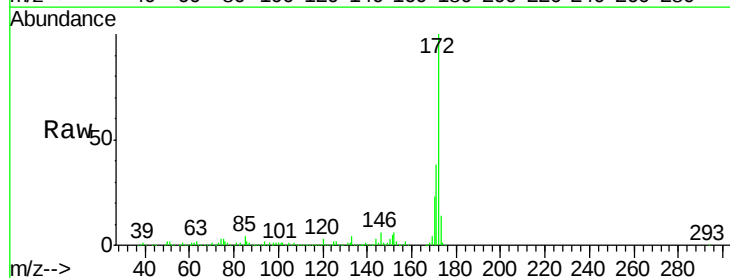
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-011818-A

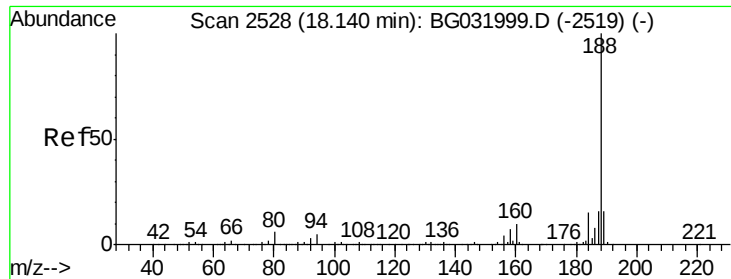
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 77.0  | 115.6 |
| 141     | 29.6  | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 97.034 ng  
 RT: 14.00 min Scan# 1824  
 Delta R.T. -0.00 min  
 Lab File: BG032156.D  
 Acq: 19 Jan 2018 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 30.0  | 45.0  |
| 170     | 23.3  | 19.5  | 29.3  |

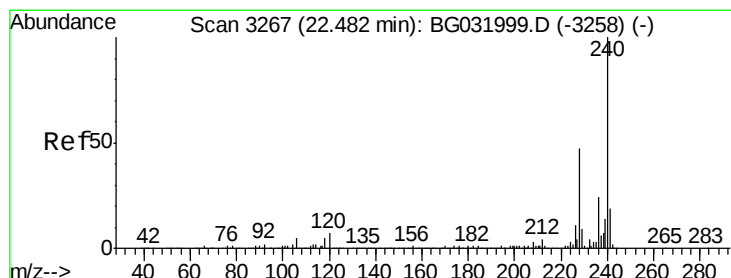
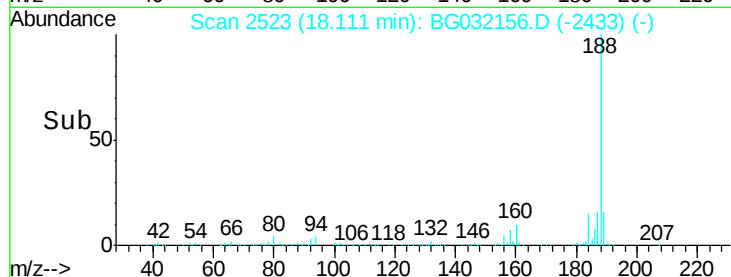
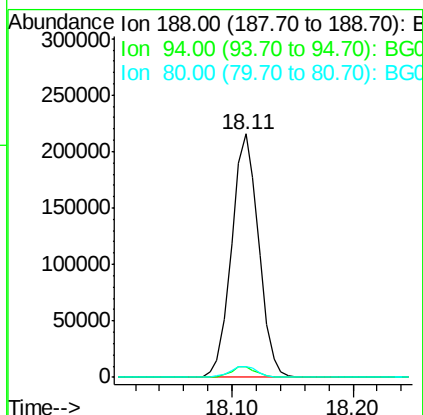
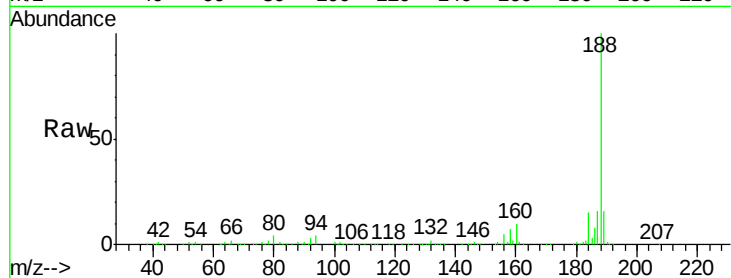




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.11 min Scan# 2523  
Delta R.T. -0.00 min  
Lab File: BG032156.D  
Acq: 19 Jan 2018 17:51

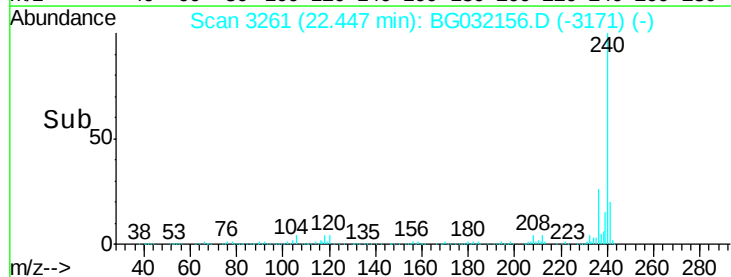
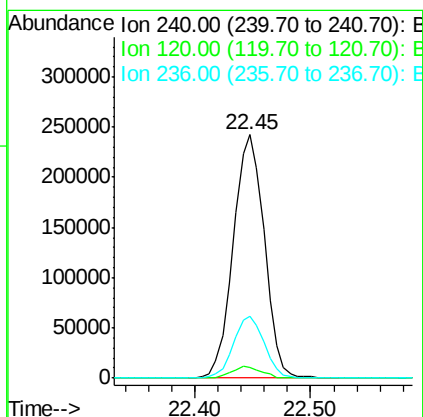
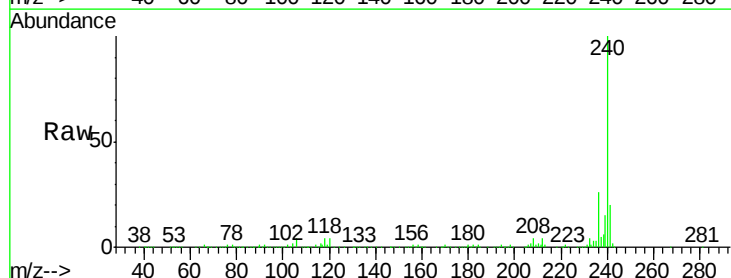
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-011818-A

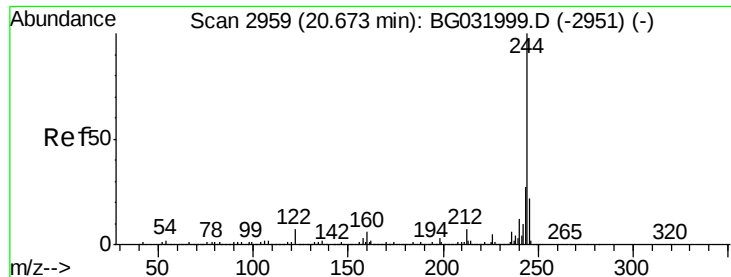
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 4.4   | 6.9   | 10.3# |
| 80      | 4.5   | 7.7   | 11.5# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.45 min Scan# 3261  
Delta R.T. -0.00 min  
Lab File: BG032156.D  
Acq: 19 Jan 2018 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.5   | 6.8   | 10.2# |
| 236     | 25.5  | 20.9  | 31.3  |





#78

Terphenyl-d14

Concen: 98.733 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Instrument :

BNA\_G

ClientSampleId :

OR-02-011818-A

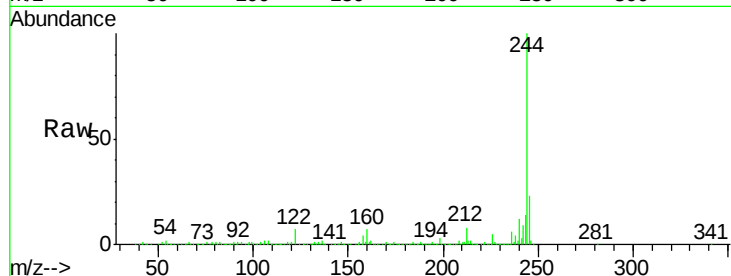
Tot Ion:244 Resp: 2015991

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

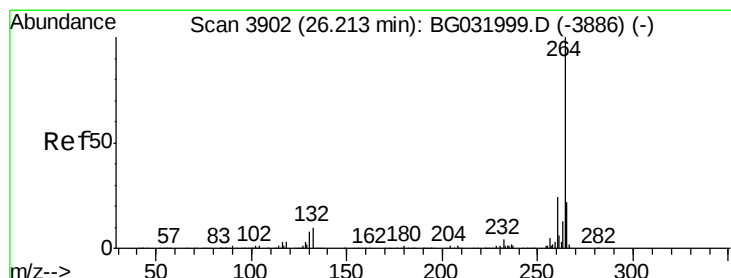
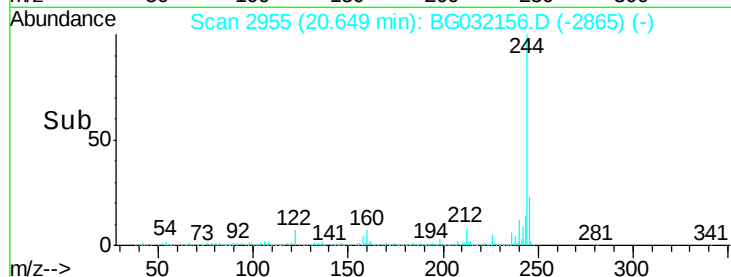
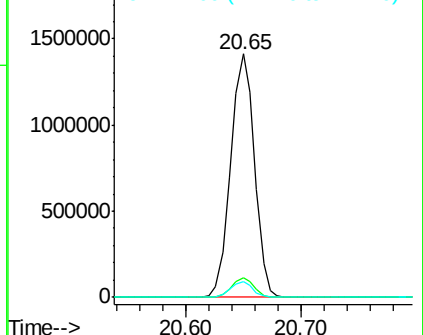
122 6.6 7.0 10.4#



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: 26.15 min Scan# 3891

Delta R.T. -0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

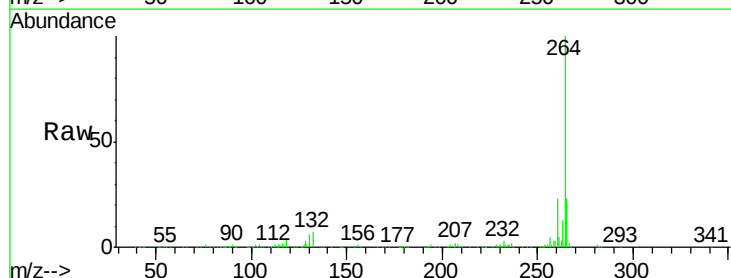
Tgt Ion:264 Resp: 452668

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 23.0 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

