

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120117\  
 Data File : BG031343.D  
 Acq On : 2 Dec 2017 7:37  
 Operator : SJ/JU  
 Sample : I6653-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3A

Quant Time: Dec 03 23:24:17 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

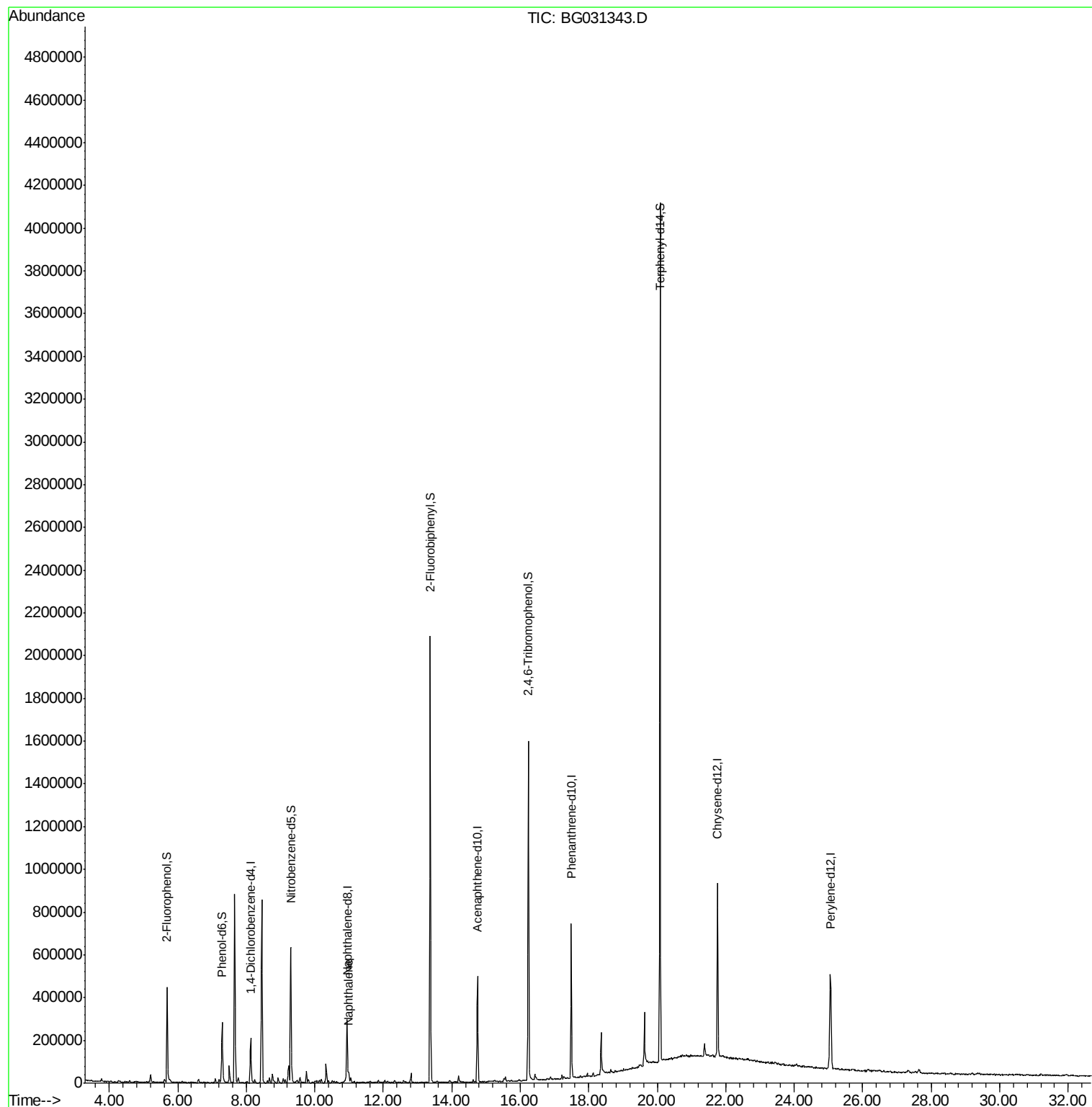
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 64425    | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 10.94 | 136  | 286455   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.75 | 164  | 188667   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 17.49 | 188  | 475530   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 21.76 | 240  | 521429   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 25.06 | 264  | 514225   | 20.00  | ng    | -0.03          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.69  | 112  | 242201   | 64.47  | ng    | -0.02          |
| 7) Phenol-d6                | 7.30  | 99   | 197787   | 39.08  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 418499   | 86.57  | ng    | -0.03          |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 334831   | 109.71 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 1204408  | 91.73  | ng    | -0.03          |
| 78) Terphenyl-d14           | 20.08 | 244  | 1956349  | 82.85  | ng    | -0.02          |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 10.99 | 128  | 31819    | 2.26   | ng    | Qvalue<br># 92 |

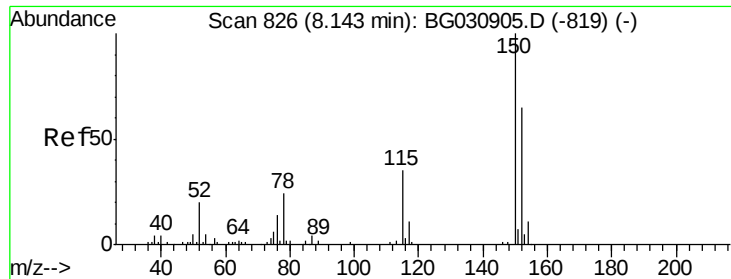
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120117\  
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Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3A

Quant Time: Dec 03 23:24:17 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration



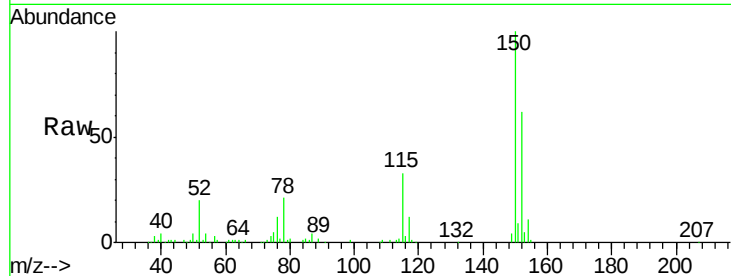


#1

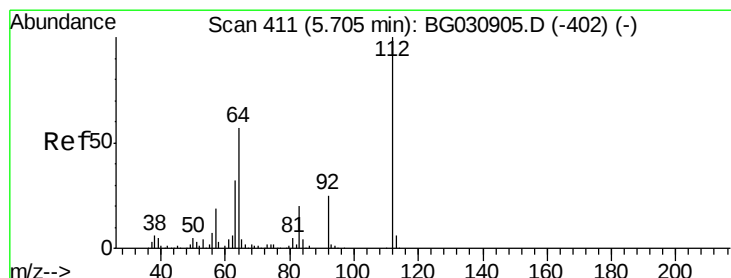
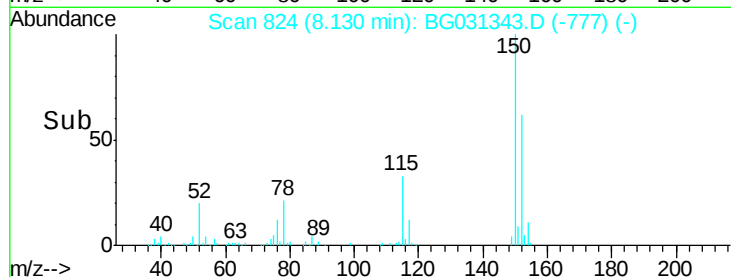
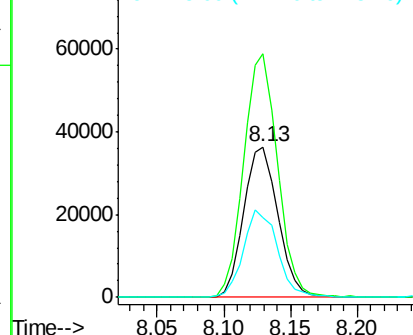
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.13 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BG031343.D  
Acq: 2 Dec 2017 7:37

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 162.0 | 126.6 | 189.8 |
| 115     | 53.0  | 53.0  | 79.4# |



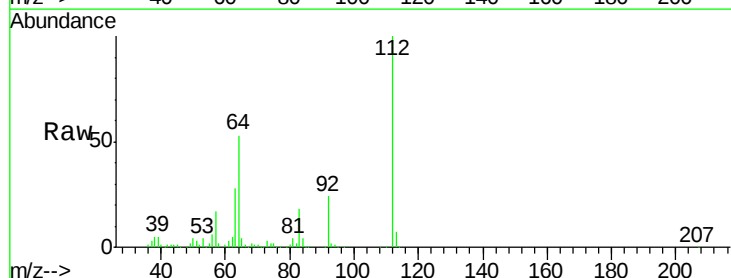
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



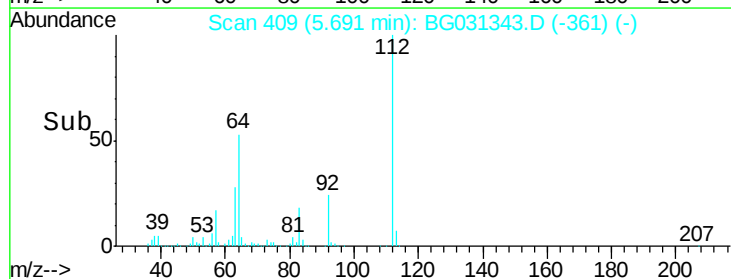
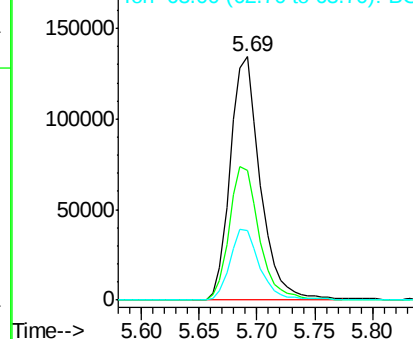
#5

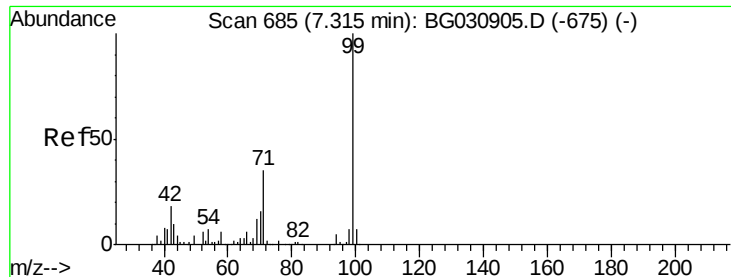
2-Fluorophenol  
Concen: 64.47 ng  
RT: 5.69 min Scan# 409  
Delta R.T. -0.02 min  
Lab File: BG031343.D  
Acq: 2 Dec 2017 7:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.1  | 56.3  | 84.5# |
| 63      | 28.5  | 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: 39.08 ng

RT: 7.30 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG031343.D

Acq: 2 Dec 2017 7:37

Instrument :

BNA\_G

ClientSampled :

MW-3A

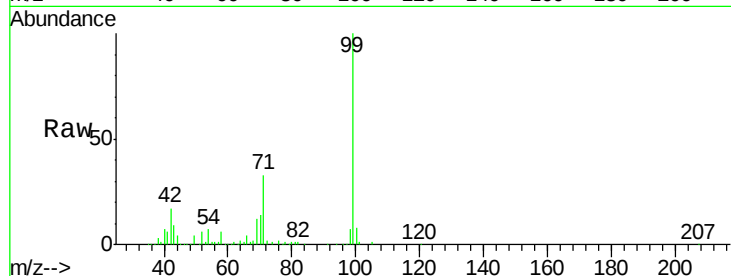
Tot Ion: 99 Resp: 197787

Ion Ratio Lower Upper

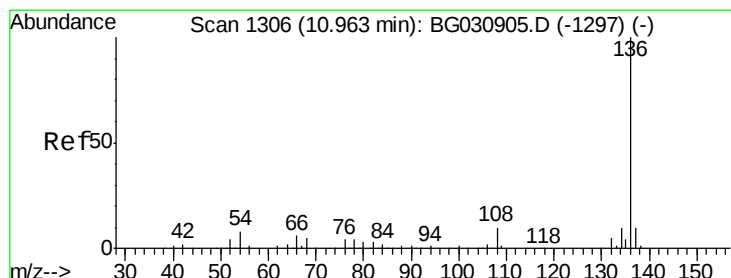
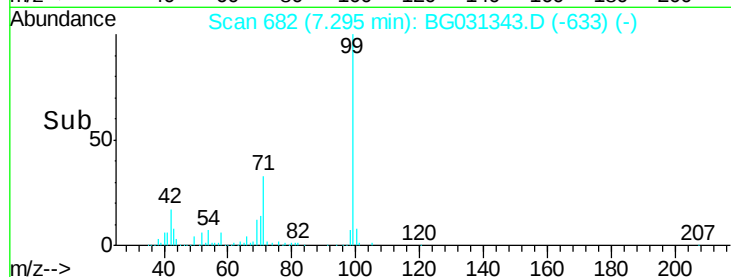
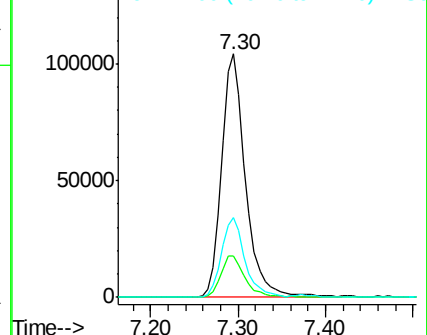
99 100

42 17.2 14.1 21.1

71 33.0 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: 20.00 ng

RT: 10.94 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BG031343.D

Acq: 2 Dec 2017 7:37

Tgt Ion: 136 Resp: 286455

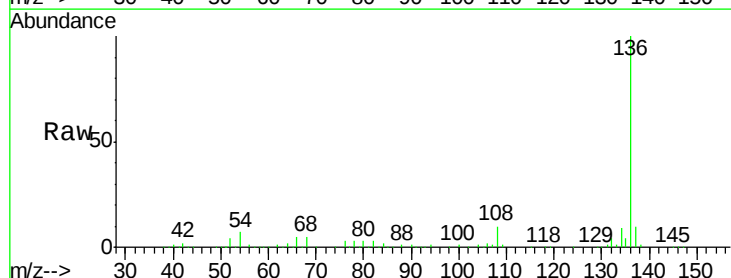
Ion Ratio Lower Upper

136 100

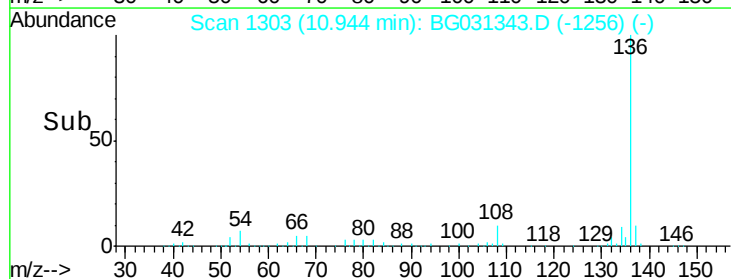
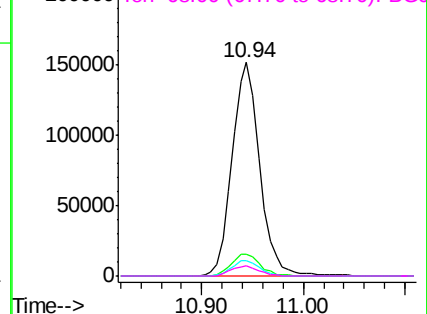
137 10.2 9.2 13.8

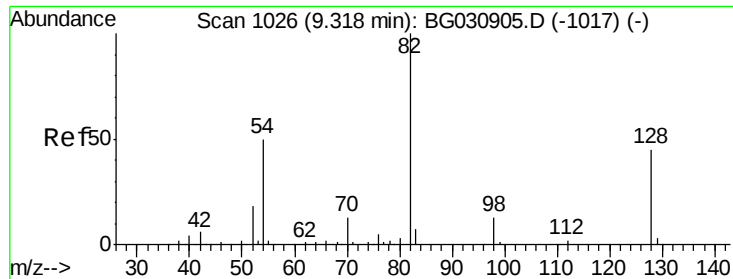
54 7.0 10.3 15.5#

68 4.9 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

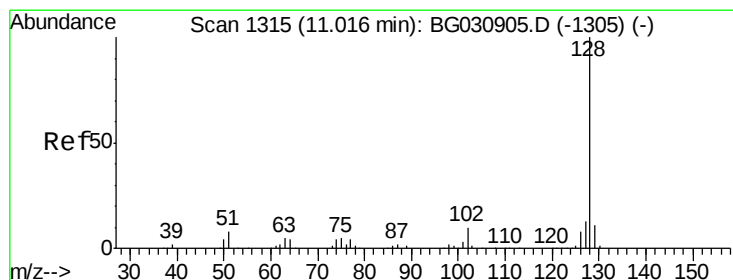
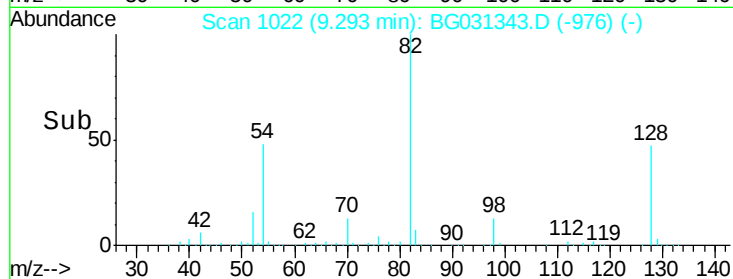
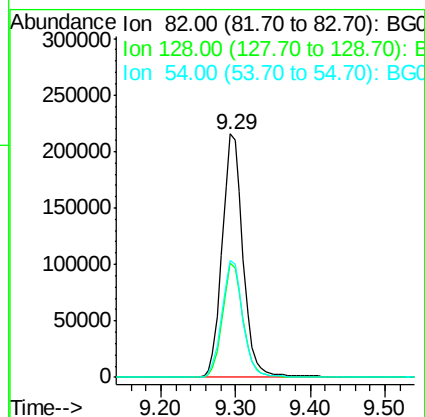
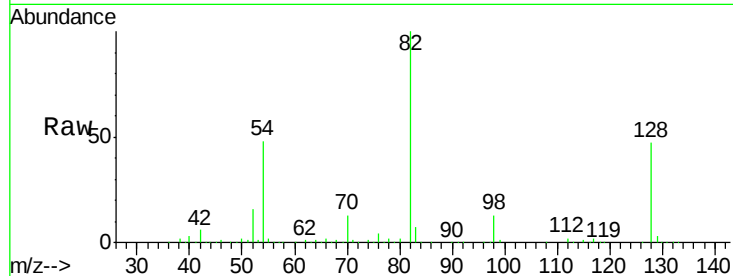




#23  
 Nitrobenzene-d5  
 Concen: 86.57 ng  
 RT: 9.29 min Scan# 1022  
 Delta R.T. -0.03 min  
 Lab File: BG031343.D  
 Acq: 2 Dec 2017 7:37

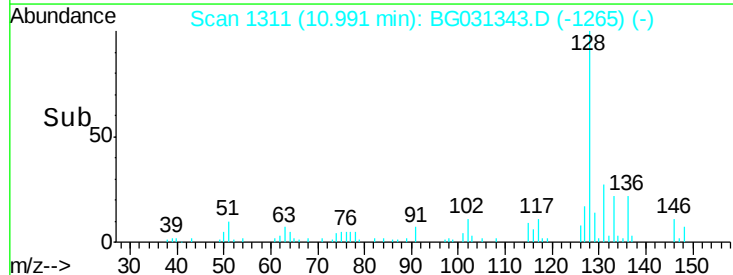
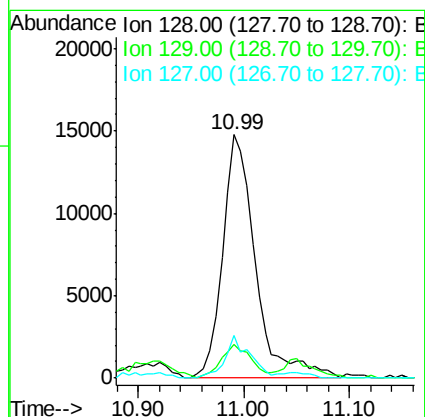
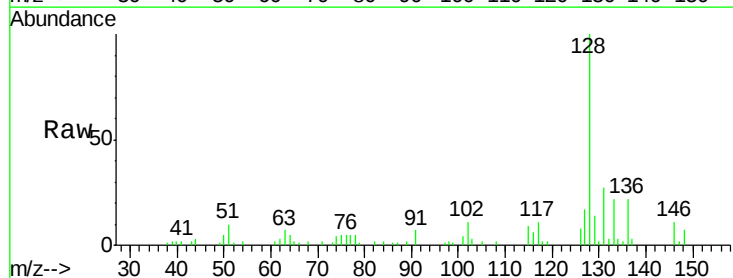
Instrument :  
 BNA\_G  
 ClientSampleID :  
 MW-3A

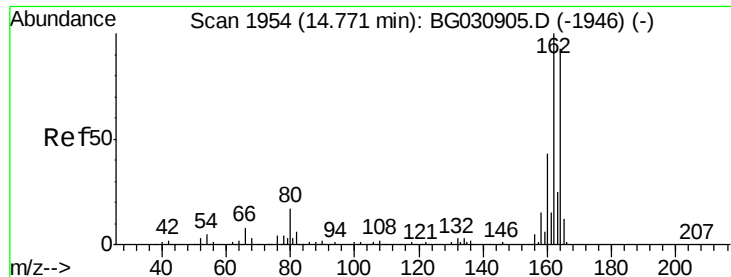
Tot Ion: 82 Resp: 418499  
 Ion Ratio Lower Upper  
 82 100  
 128 46.8 29.7 44.5#  
 54 48.2 43.1 64.7



#31  
 Naphthalene  
 Concen: 2.26 ng  
 RT: 10.99 min Scan# 1311  
 Delta R.T. -0.03 min  
 Lab File: BG031343.D  
 Acq: 2 Dec 2017 7:37

Tgt Ion: 128 Resp: 31819  
 Ion Ratio Lower Upper  
 128 100  
 129 14.1 8.6 12.8#  
 127 17.3 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BG031343.D

Acq: 2 Dec 2017 7:37

Instrument :

BNA\_G

ClientSampleId :

MW-3A

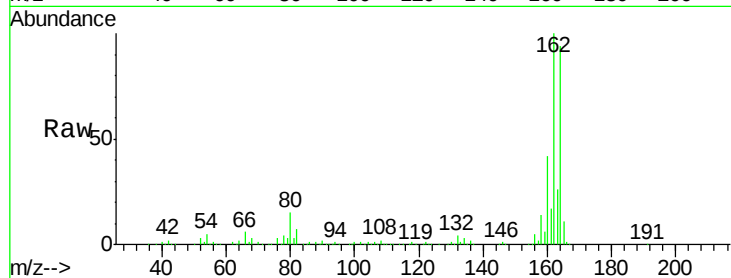
Tot Ion:164 Resp: 188667

Ion Ratio Lower Upper

164 100

162 106.7 78.8 118.2

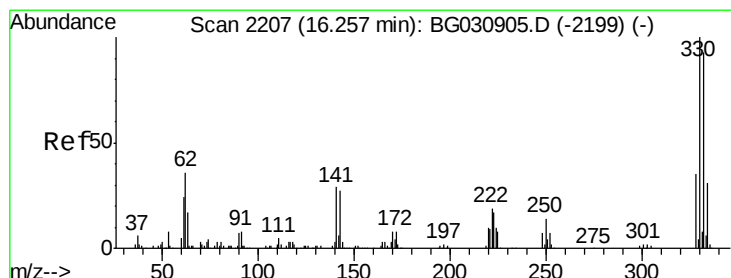
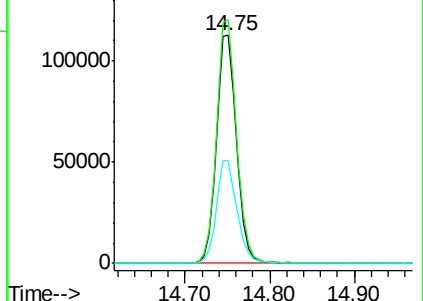
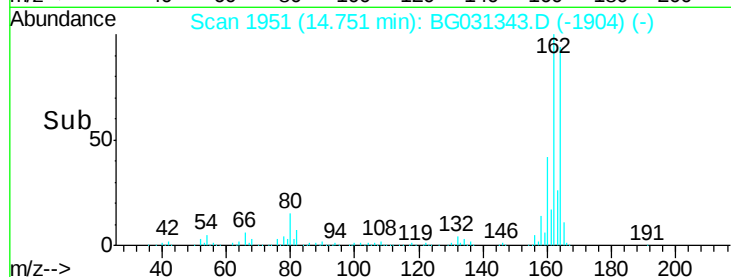
160 44.8 35.4 53.0



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: 109.71 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BG031343.D

Acq: 2 Dec 2017 7:37

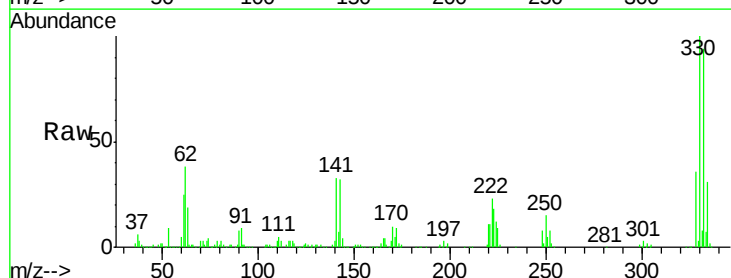
Tgt Ion:330 Resp: 334831

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

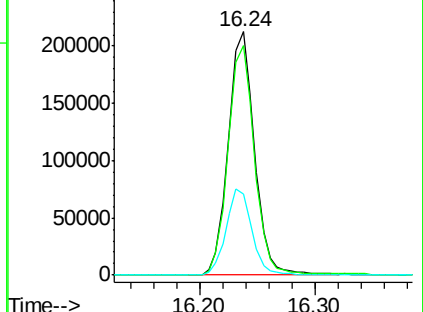
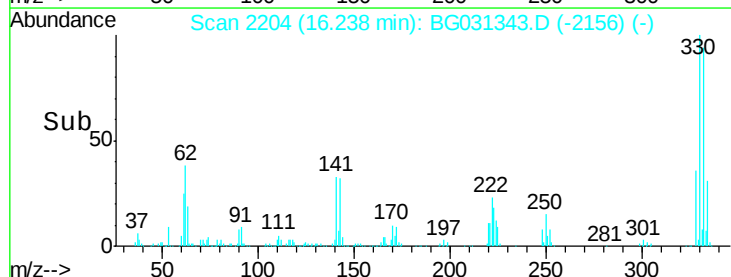
141 35.1 25.2 37.8

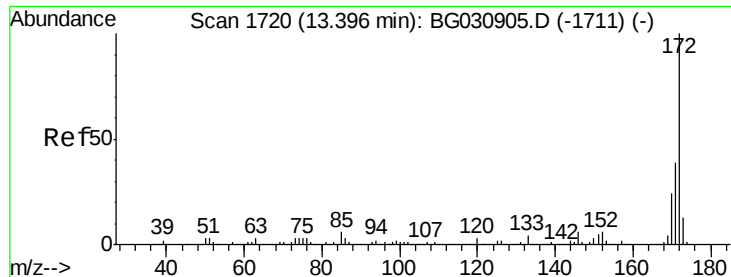


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

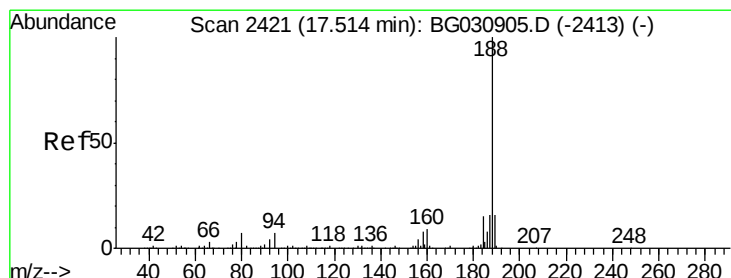
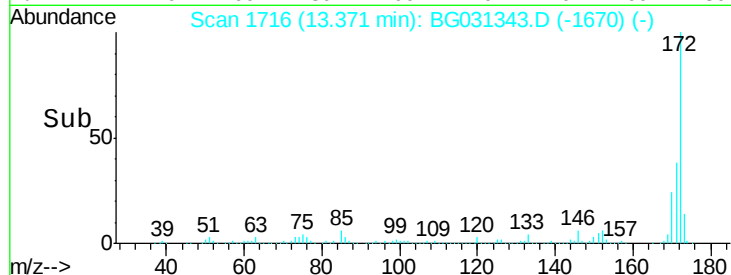
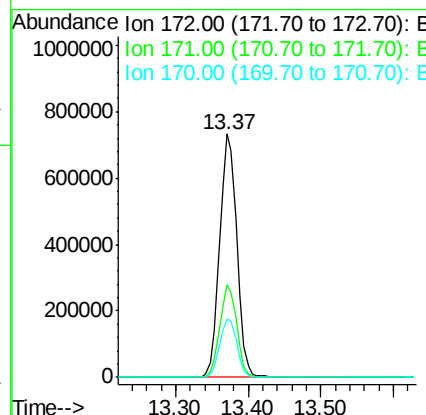
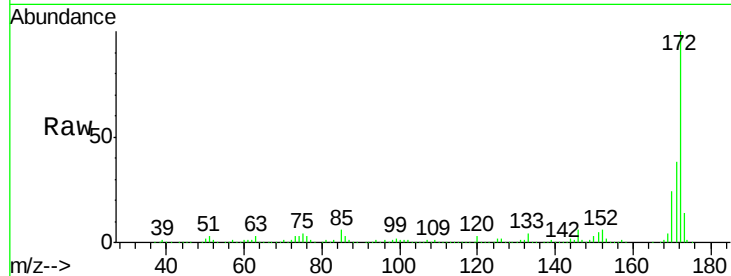




#44  
2-Fluorobiphenyl  
Concen: 91.73 ng  
RT: 13.37 min Scan# 1716  
Delta R.T. -0.03 min  
Lab File: BG031343.D  
Acq: 2 Dec 2017 7:37

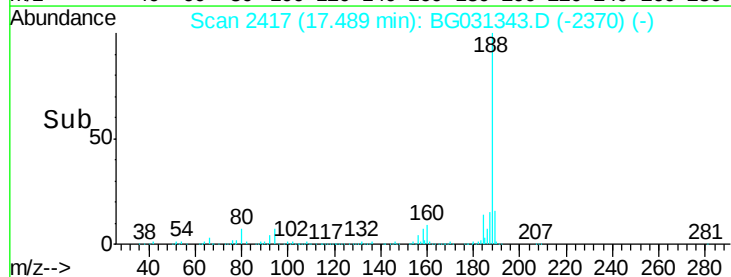
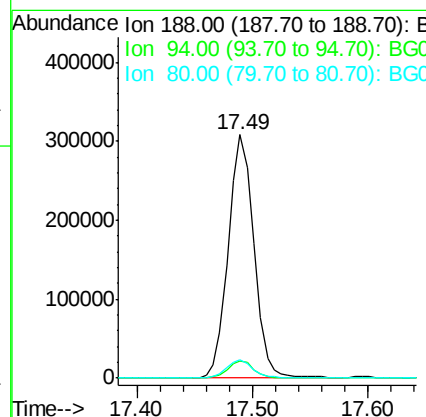
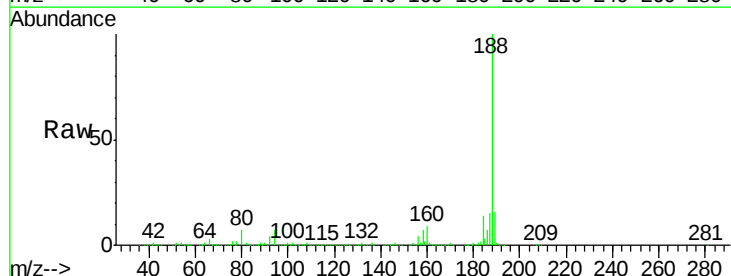
Instrument :  
BNA\_G  
ClientSampleId :  
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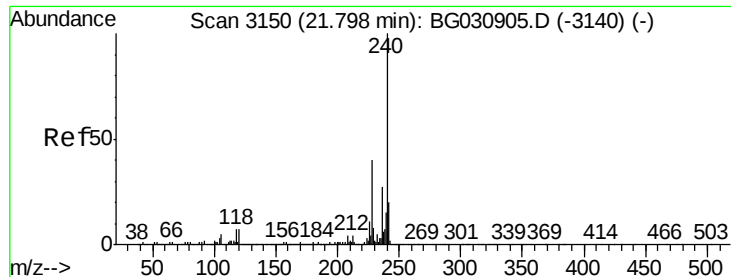
Tot Ion:172 Resp: 1204408  
Ion Ratio Lower Upper  
172 100  
171 37.8 30.0 45.0  
170 23.7 19.5 29.3



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2417  
Delta R.T. -0.02 min  
Lab File: BG031343.D  
Acq: 2 Dec 2017 7:37

Tgt Ion:188 Resp: 475530  
Ion Ratio Lower Upper  
188 100  
94 6.9 6.9 10.3#  
80 7.5 7.7 11.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG031343.D

Acq: 2 Dec 2017 7:37

Instrument :

BNA\_G

ClientSampleId :

MW-3A

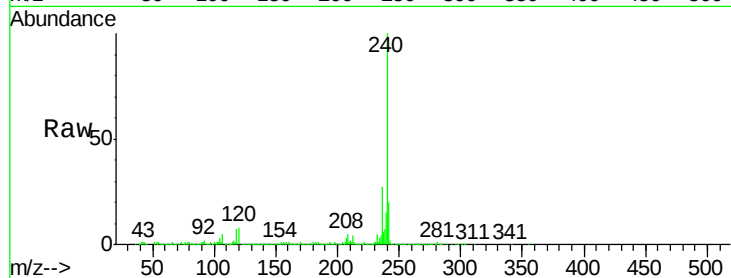
Tot Ion:240 Resp: 521429

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

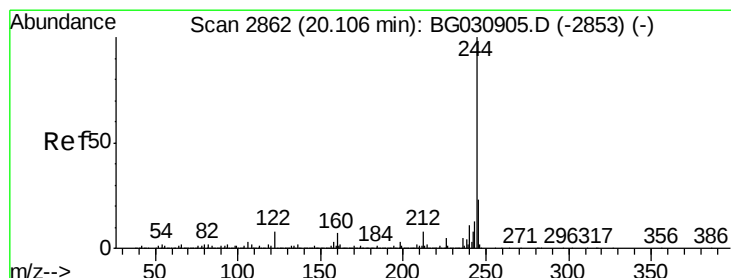
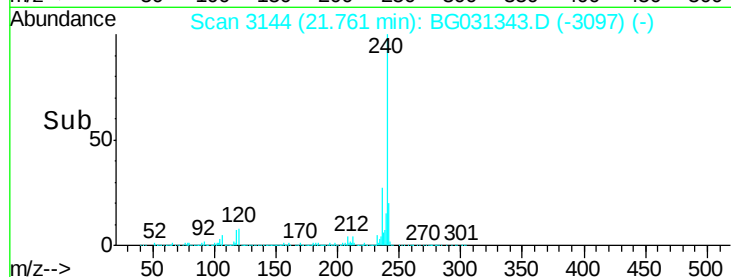
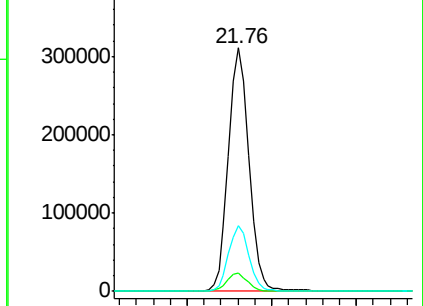
236 27.1 20.9 31.3



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: 82.85 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BG031343.D

Acq: 2 Dec 2017 7:37

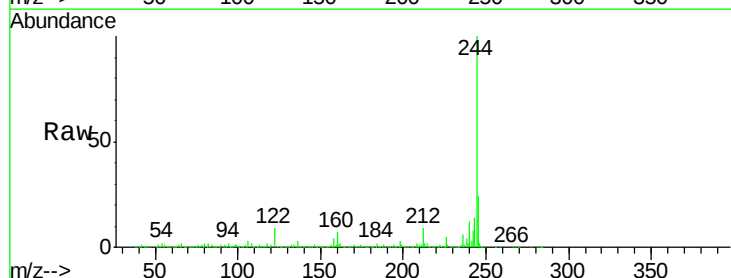
Tgt Ion:244 Resp: 1956349

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

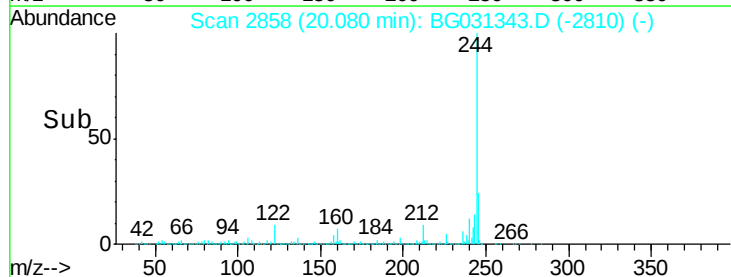
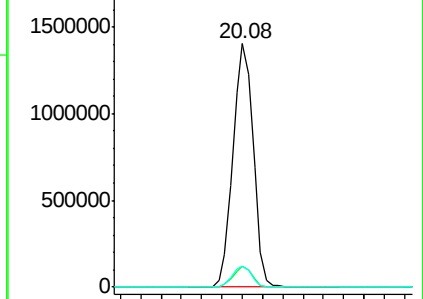
122 8.8 7.0 10.4

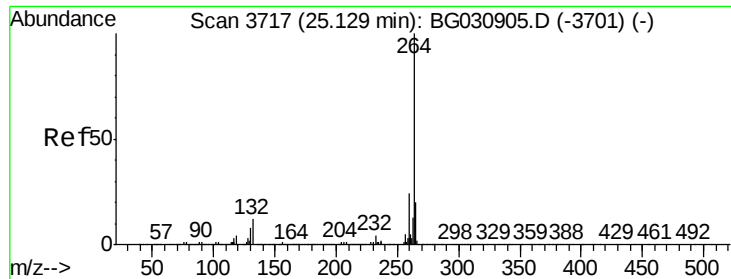


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.06 min Scan# 3705  
Delta R.T. -0.03 min  
Lab File: BG031343.D  
Acq: 2 Dec 2017 7:37

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3A

Tot Ion: 264 Resp: 514225  
Ion Ratio Lower Upper  
264 100  
260 24.3 17.4 26.0  
265 22.5 17.7 26.5

