

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120117\  
 Data File : BG031344.D  
 Acq On : 2 Dec 2017 8:14  
 Operator : SJ/JU  
 Sample : I6653-08  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

Quant Time: Dec 03 22:45:53 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  | 75091    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.94 | 136  | 327676   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 209726   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 514667   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.76 | 240  | 568359   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.06 | 264  | 565925   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 283993   | 64.85  | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 220139   | 37.31  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 537499   | 97.20  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 402568   | 118.66 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 1477925  | 101.26 | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.08 | 244  | 2285666  | 88.80  | ng    | -0.01    |

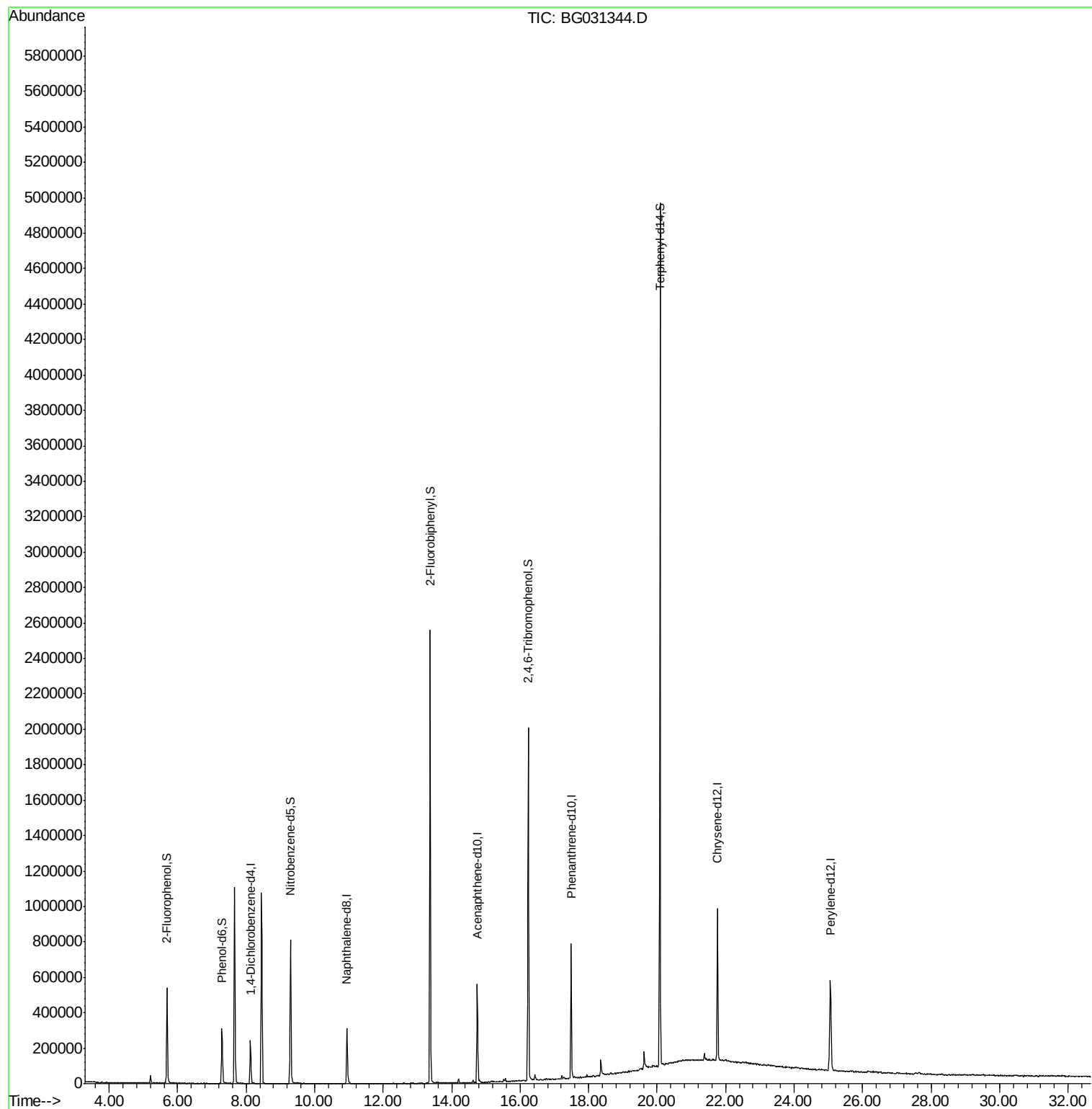
Target Compounds Qvalue

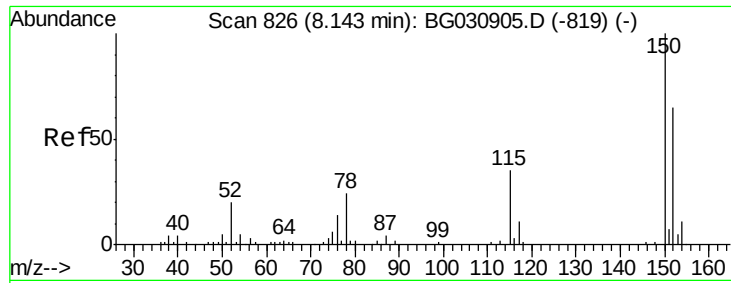
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 10 15:38:25 2017  
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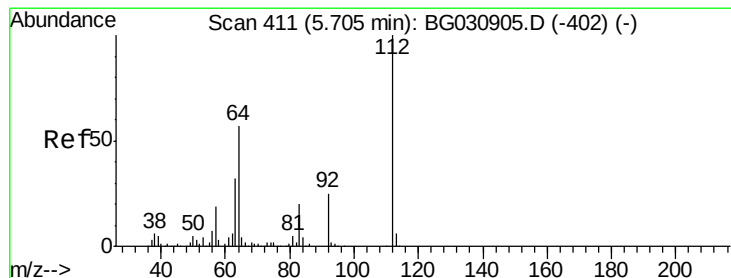
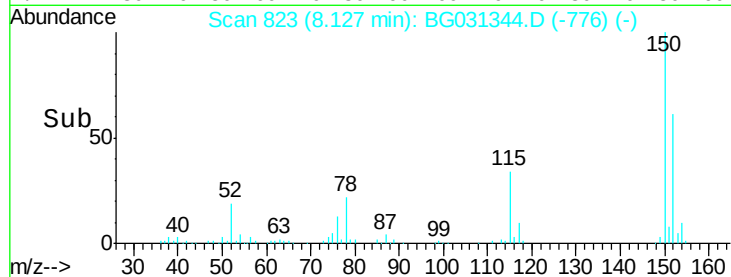
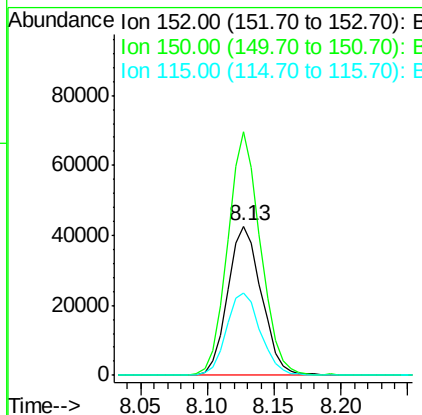
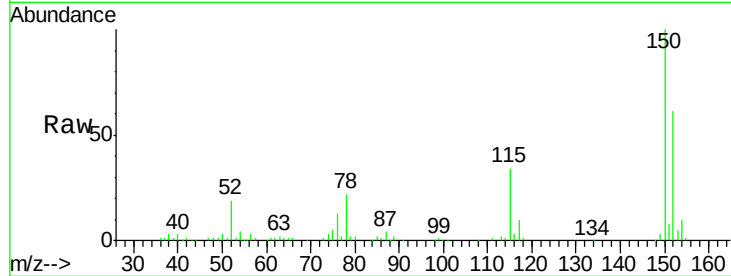


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.13 min Scan# 823  
 Delta R.T. -0.03 min  
 Lab File: BG031344.D  
 Acq: 2 Dec 2017 8:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

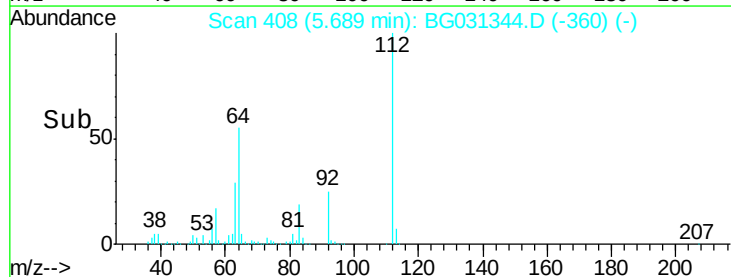
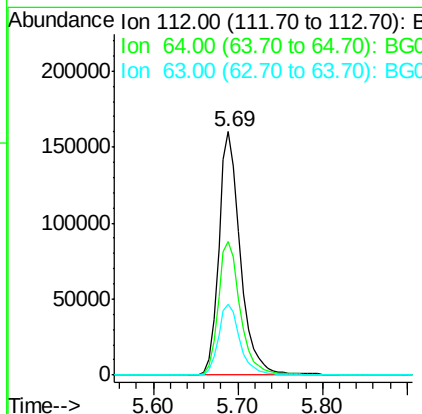
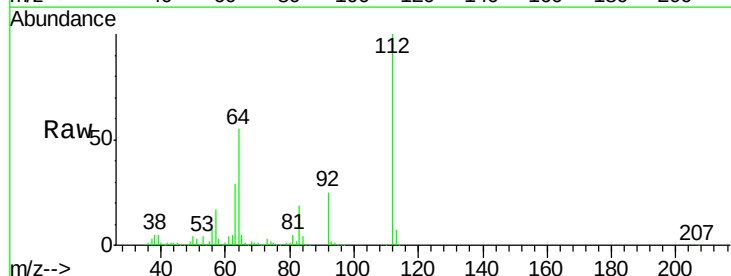
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.1 | 126.6 | 189.8 |
| 115     | 55.3  | 53.0  | 79.4  |

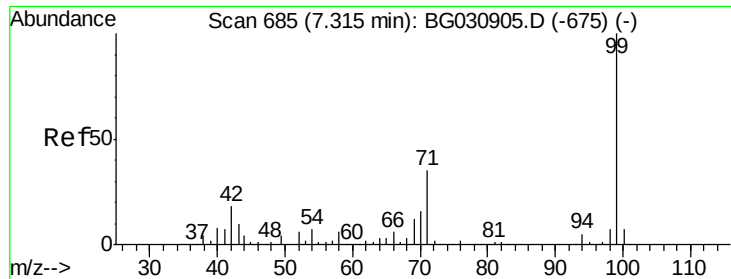


#5

2-Fluorophenol  
 Concen: 64.85 ng  
 RT: 5.69 min Scan# 408  
 Delta R.T. -0.02 min  
 Lab File: BG031344.D  
 Acq: 2 Dec 2017 8:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.8  | 56.3  | 84.5# |
| 63      | 29.2  | 30.1  | 45.1# |





#7

Phenol-d6

Concen: 37.31 ng

RT: 7.29 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG031344.D

Acq: 2 Dec 2017 8:14

Instrument :

BNA\_G

ClientSampleId :

MW-1

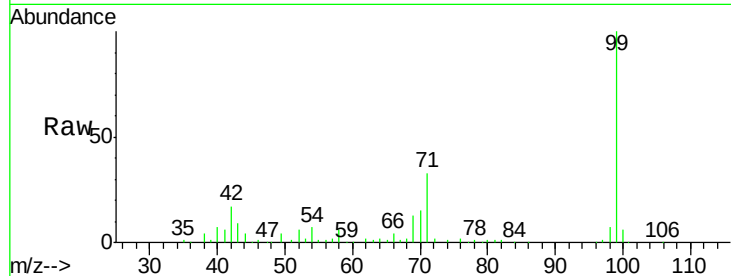
Tot Ion: 99 Resp: 220139

Ion Ratio Lower Upper

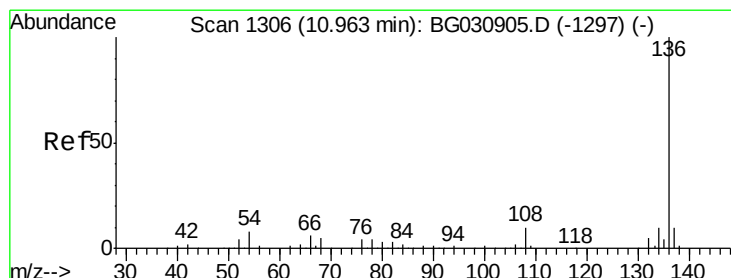
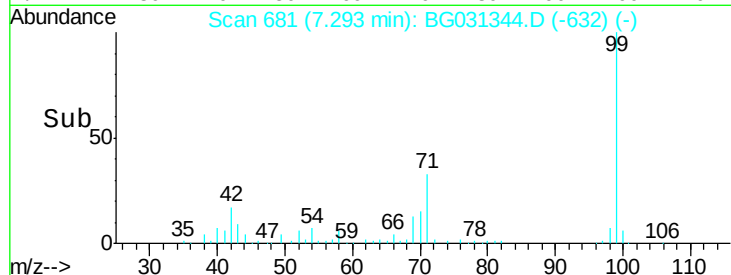
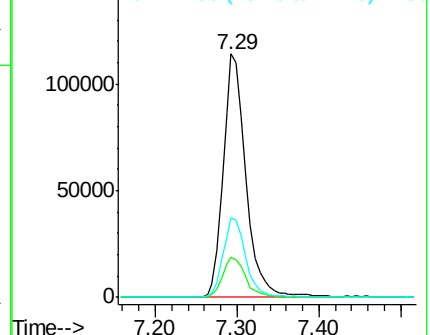
99 100

42 16.7 14.1 21.1

71 32.9 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# 1302

Delta R.T. -0.03 min

Lab File: BG031344.D

Acq: 2 Dec 2017 8:14

Tgt Ion: 136 Resp: 327676

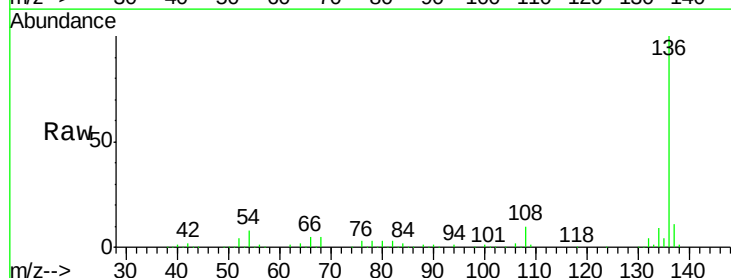
Ion Ratio Lower Upper

136 100

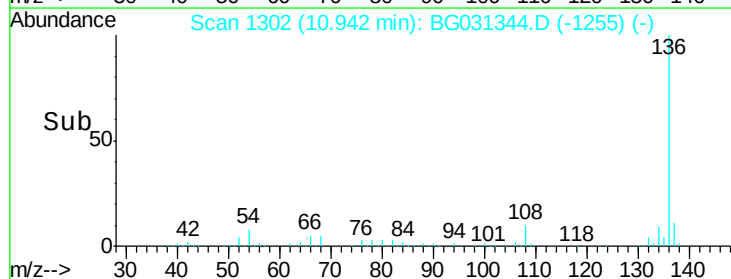
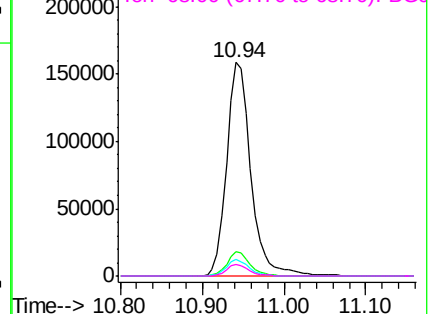
137 11.3 9.2 13.8

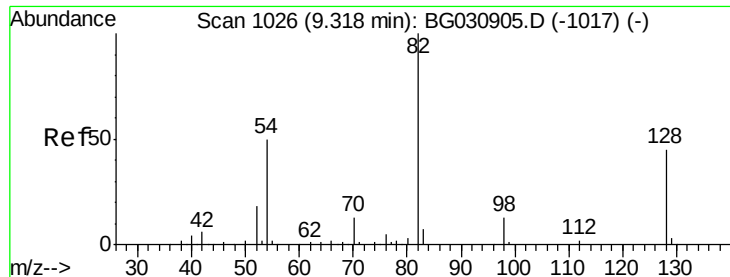
54 7.6 10.3 15.5#

68 5.4 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

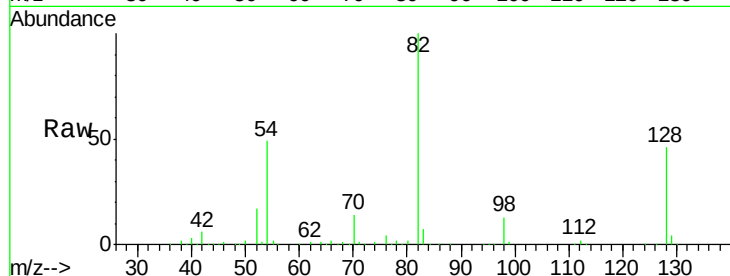




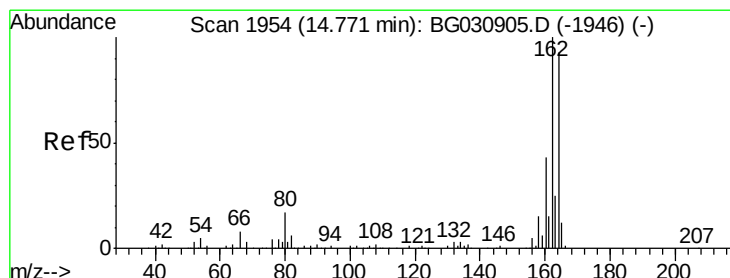
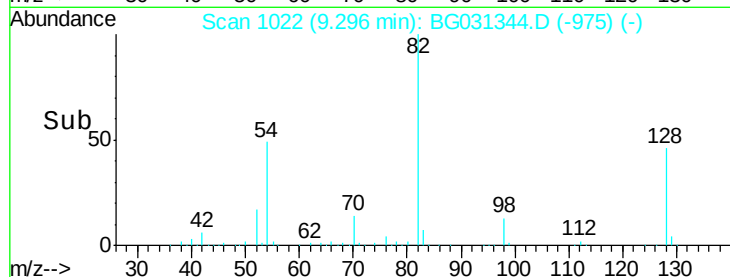
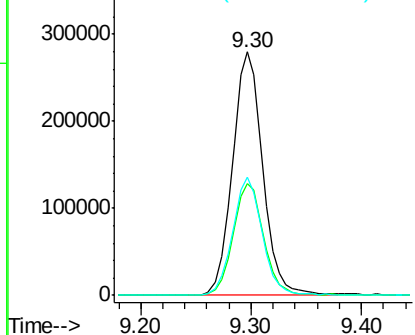
#23  
 Nitrobenzene-d5  
 Concen: 97.20 ng  
 RT: 9.30 min Scan# 1022  
 Delta R.T. -0.03 min  
 Lab File: BG031344.D  
 Acq: 2 Dec 2017 8:14

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-1

Tot Ion: 82 Resp: 537499  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 29.7 44.5#  
 54 48.7 43.1 64.7

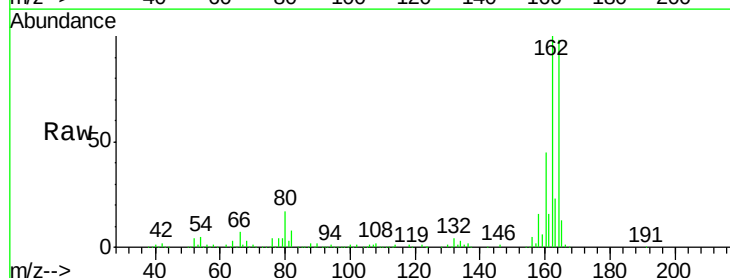


Abundance Ion 82.00 (81.70 to 82.70): BG031344.D (-975) (-)  
 Ion 128.00 (127.70 to 128.70): BG031344.D (-975) (-)  
 Ion 54.00 (53.70 to 54.70): BG031344.D (-975) (-)

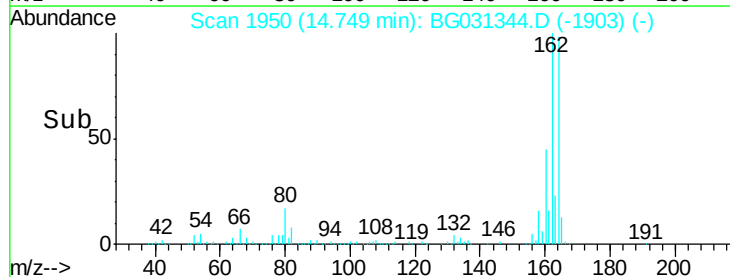
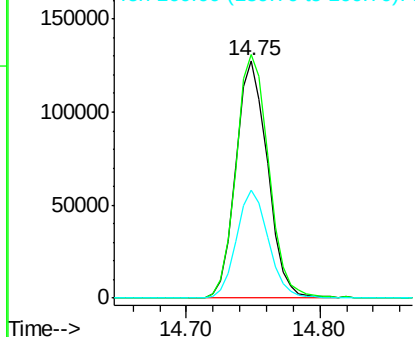


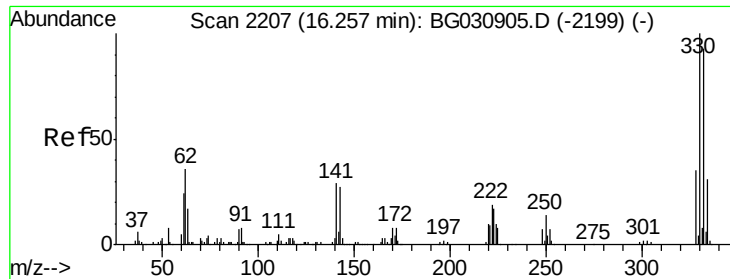
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 1950  
 Delta R.T. -0.03 min  
 Lab File: BG031344.D  
 Acq: 2 Dec 2017 8:14

Tgt Ion:164 Resp: 209726  
 Ion Ratio Lower Upper  
 164 100  
 162 102.5 78.8 118.2  
 160 45.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BG031344.D (-1903) (-)  
 Ion 162.00 (161.70 to 162.70): BG031344.D (-1903) (-)  
 Ion 160.00 (159.70 to 160.70): BG031344.D (-1903) (-)

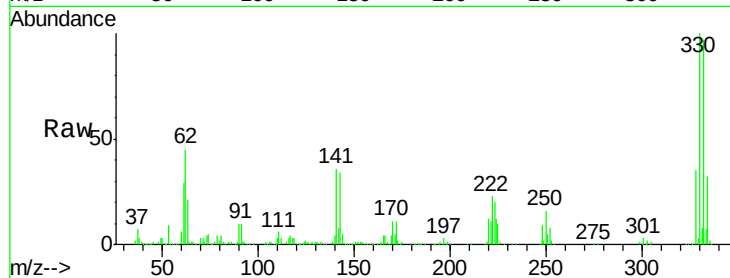




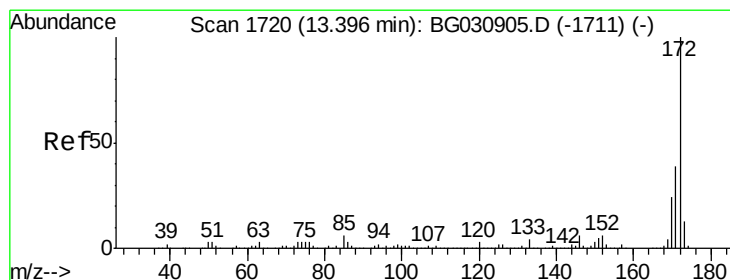
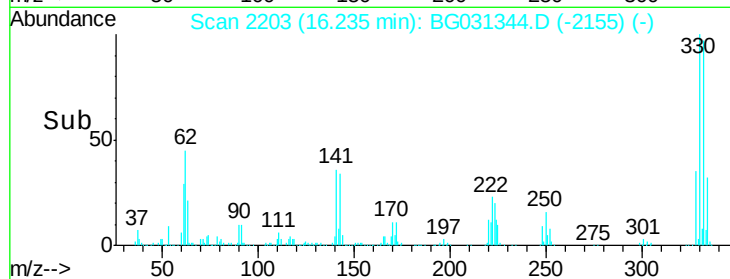
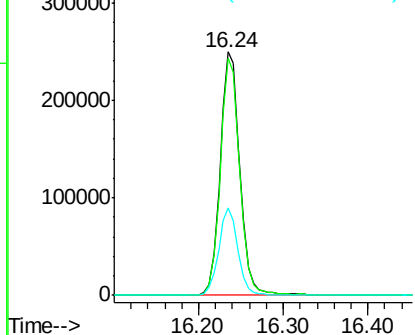
#41  
 2,4,6-Tribromophenol  
 Concen: 118.66 ng  
 RT: 16.24 min Scan# 2203  
 Delta R.T. -0.02 min  
 Lab File: BG031344.D  
 Acq: 2 Dec 2017 8:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

Tot Ion:330 Resp: 402568  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.0 115.6  
 141 35.4 25.2 37.8

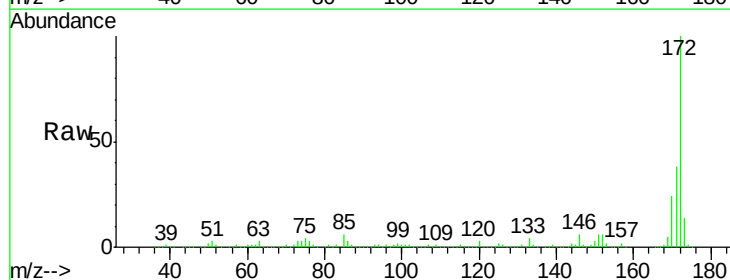


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

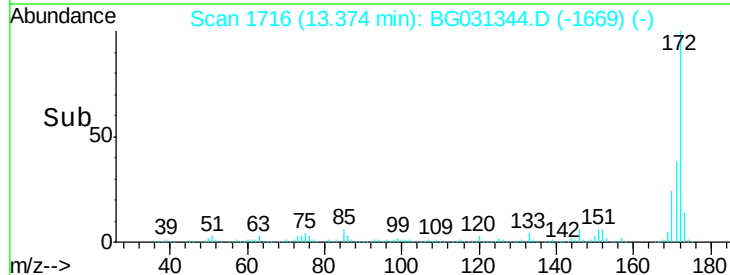
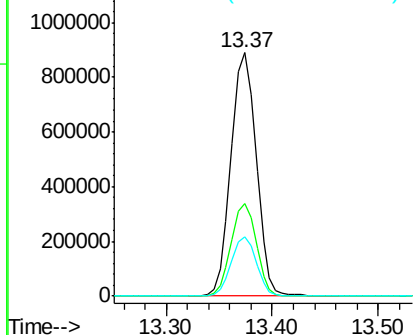


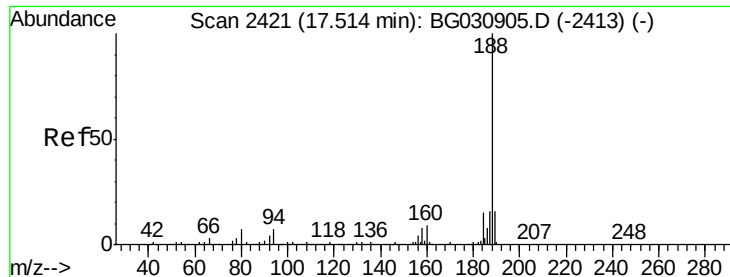
#44  
 2-Fluorobiphenyl  
 Concen: 101.26 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. -0.03 min  
 Lab File: BG031344.D  
 Acq: 2 Dec 2017 8:14

Tgt Ion:172 Resp: 1477925  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 30.0 45.0  
 170 24.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

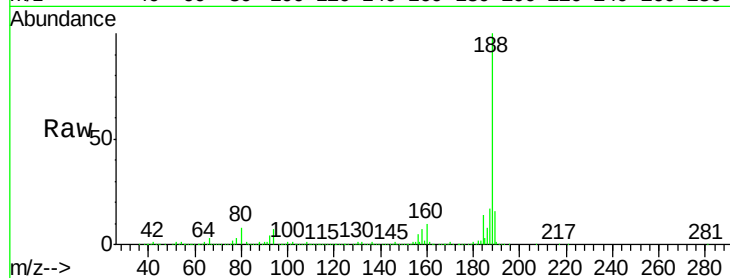




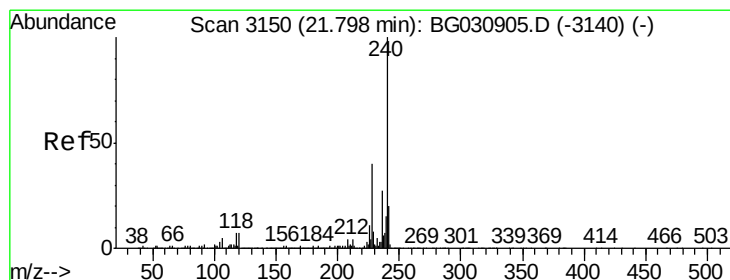
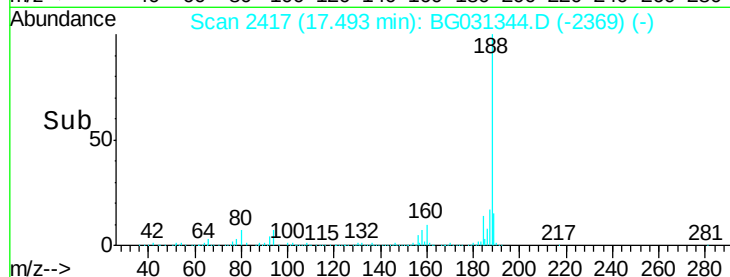
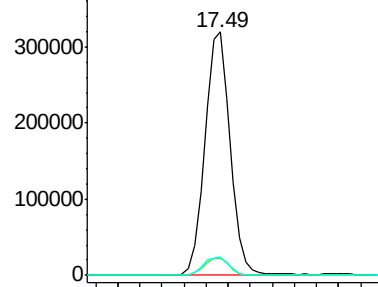
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2417  
Delta R.T. -0.02 min  
Lab File: BG031344.D  
Acq: 2 Dec 2017 8:14

Instrument :  
BNA\_G  
ClientSampleId :  
MW-1

Tot Ion:188 Resp: 514667  
Ion Ratio Lower Upper  
188 100  
94 6.9 6.9 10.3#  
80 7.6 7.7 11.5#

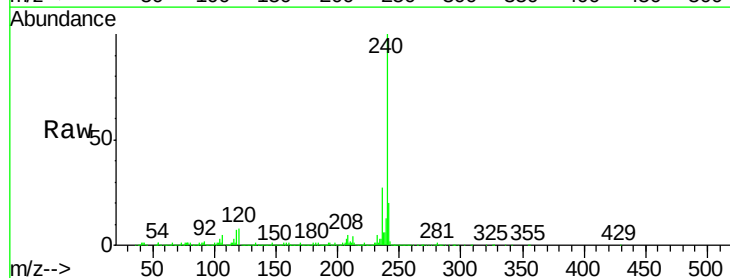


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

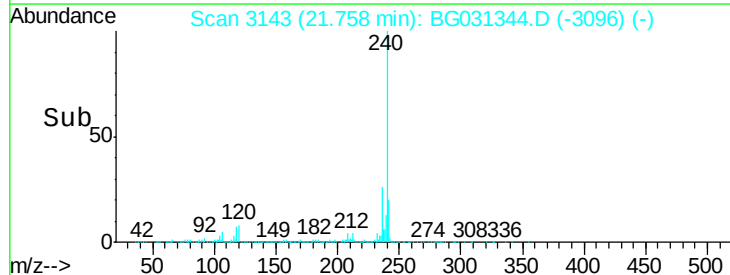
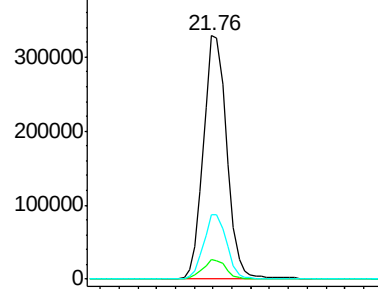


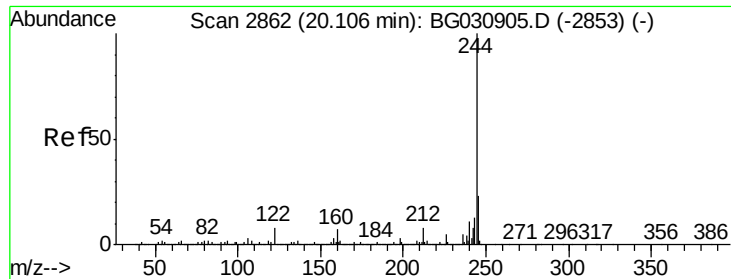
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3143  
Delta R.T. -0.03 min  
Lab File: BG031344.D  
Acq: 2 Dec 2017 8:14

Tgt Ion:240 Resp: 568359  
Ion Ratio Lower Upper  
240 100  
120 8.2 6.8 10.2  
236 26.5 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: 88.80 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG031344.D

Acq: 2 Dec 2017 8:14

Instrument :

BNA\_G

ClientSampleId :

MW-1

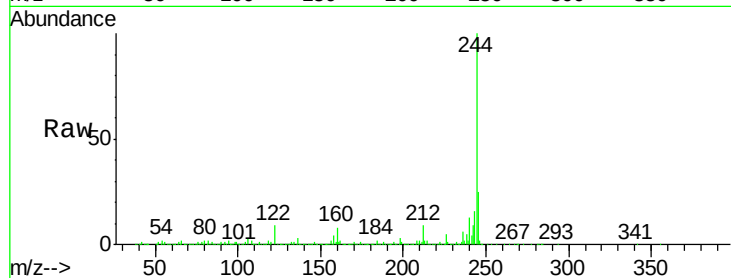
Tot Ion:244 Resp: 2285666

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

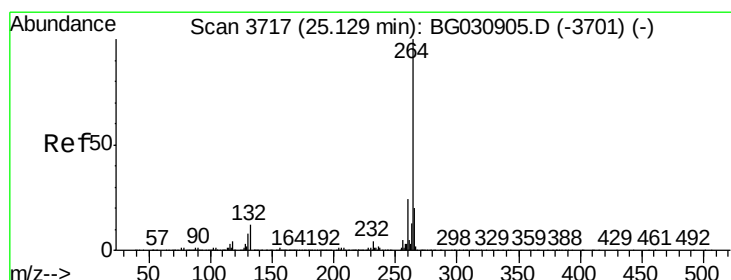
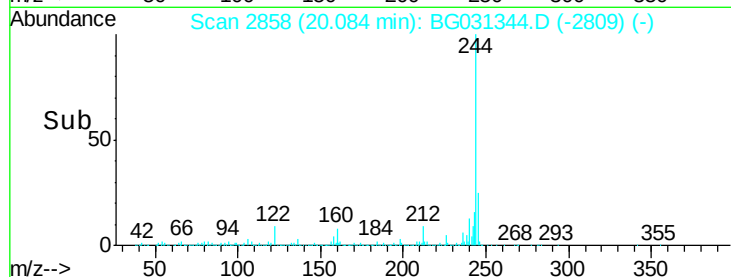
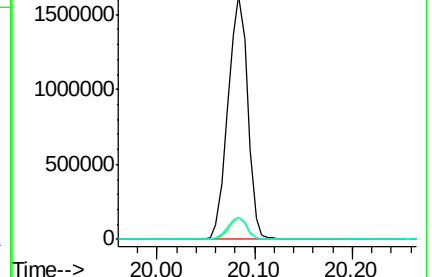
122 9.1 7.0 10.4



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: 20.00 ng

RT: 25.06 min Scan# 3705

Delta R.T. -0.03 min

Lab File: BG031344.D

Acq: 2 Dec 2017 8:14

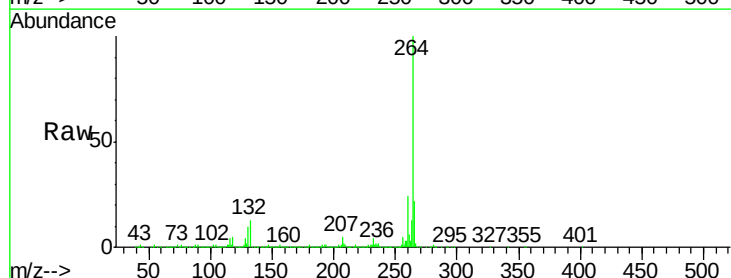
Tgt Ion:264 Resp: 565925

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 21.6 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

