

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\  
 Data File : BG035580.D  
 Acq On : 3 Jul 2018 10:37  
 Operator : JU/SJ  
 Sample : J3799-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-5

Quant Time: Jul 03 11:46:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

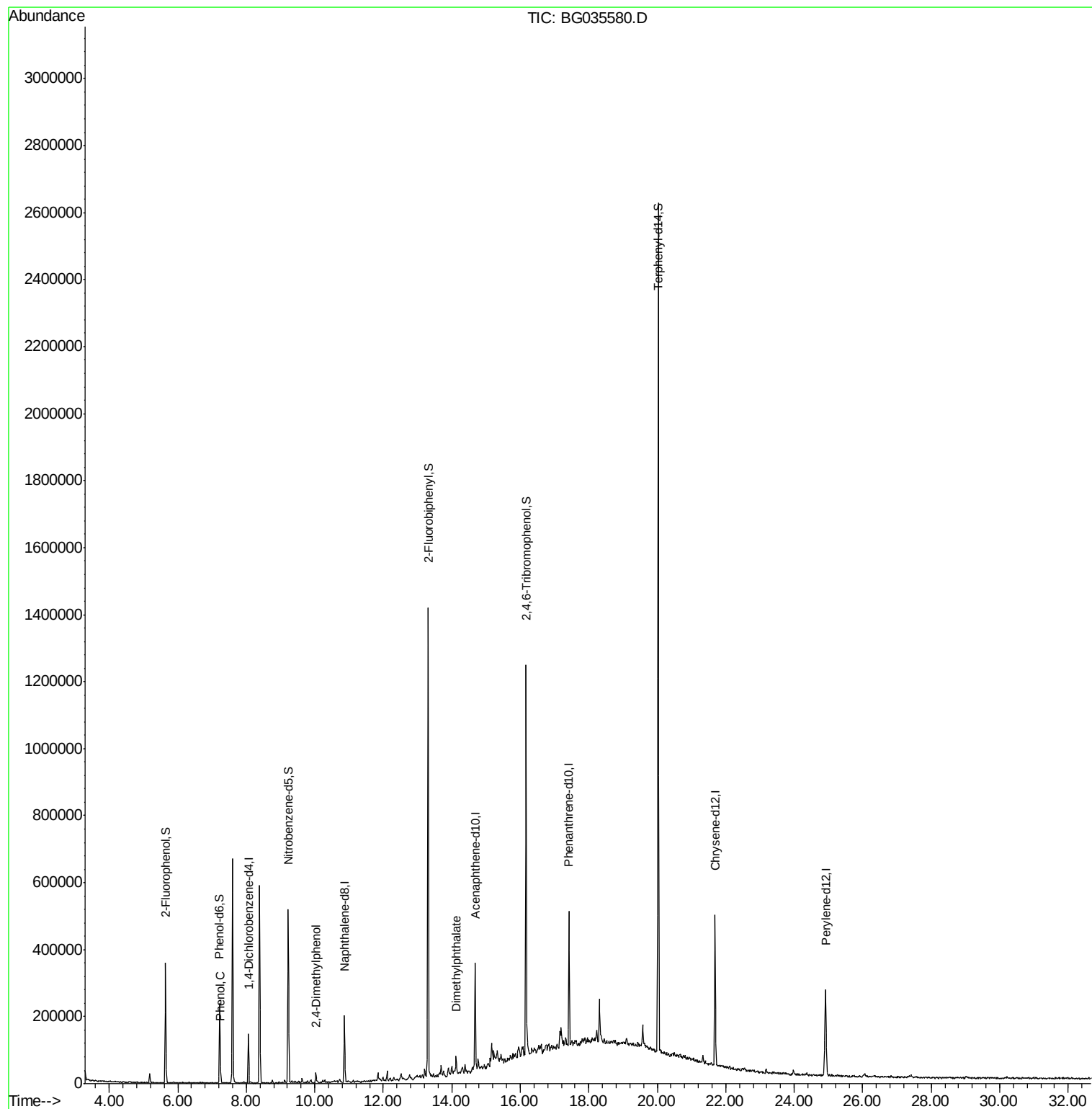
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 41141    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 159327   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 109731   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 263556   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.69 | 240  | 284792   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.92 | 264  | 280396   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 154842   | 63.52  | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 141161   | 39.23  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 340121   | 101.47 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 217511   | 154.85 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 747671   | 88.58  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1187405  | 87.33  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.25  | 94   | 7695     | 2.067  | ng    | 91       |
| 27) 2,4-Dimethylphenol      | 10.04 | 122  | 11048    | 4.443  | ng    | 92       |
| 49) Dimethylphthalate       | 14.13 | 163  | 30231    | 3.159  | ng    | # 97     |

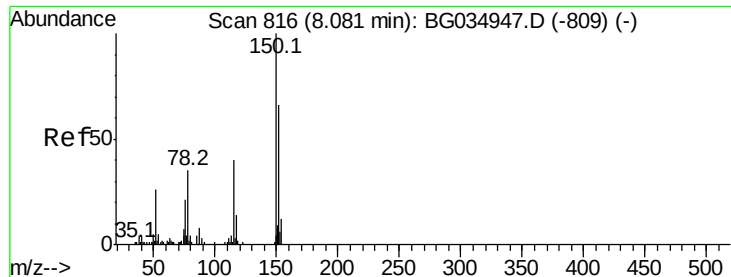
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Time: Jul 03 11:46:01 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 08 17:16:28 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 814

Delta R.T. -0.01 min

Lab File: BG035580.D

Acq: 3 Jul 2018 10:37

Instrument :

BNA\_G

ClientSampleId :

MW-5

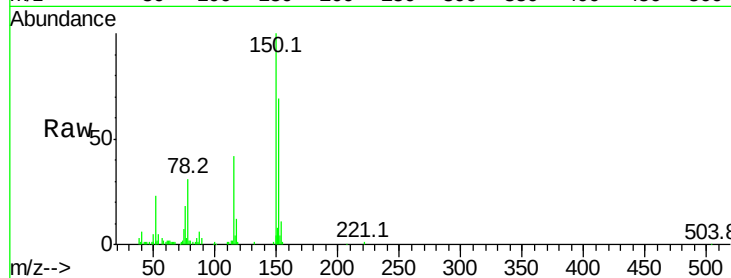
Tot Ion:152 Resp: 41141

Ion Ratio Lower Upper

152 100

150 145.5 126.6 189.8

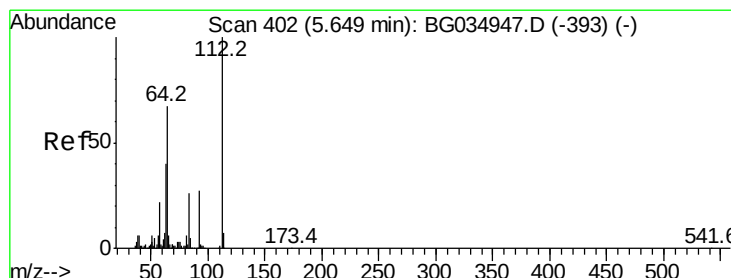
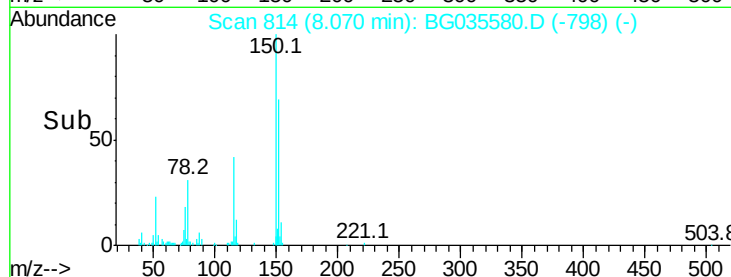
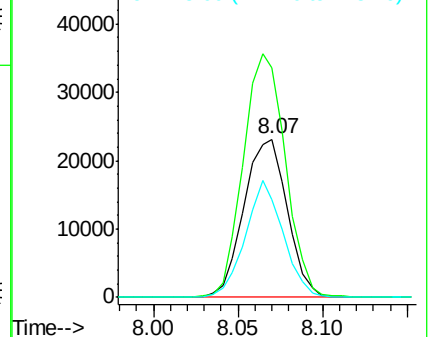
115 61.7 53.0 79.4



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: 63.516 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG035580.D

Acq: 3 Jul 2018 10:37

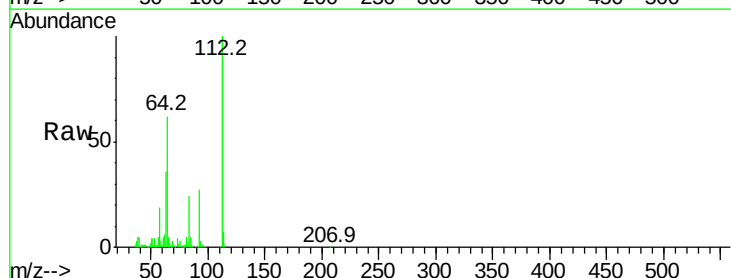
Tgt Ion:112 Resp: 154842

Ion Ratio Lower Upper

112 100

64 61.7 56.3 84.5

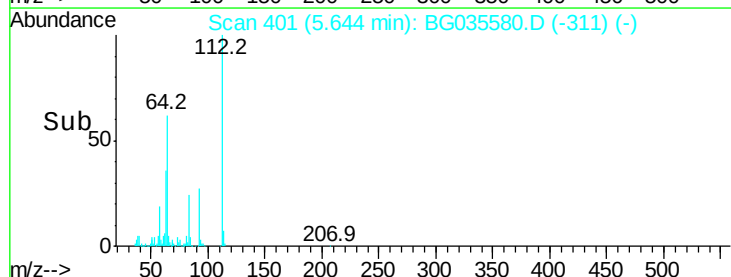
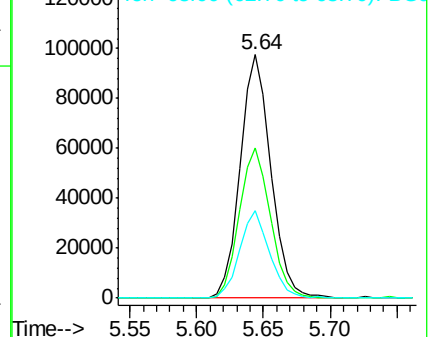
63 36.0 30.1 45.1

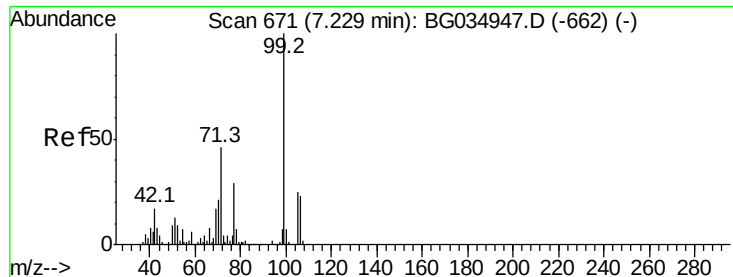


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.232 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG035580.D

Acq: 3 Jul 2018 10:37

Instrument :

BNA\_G

ClientSampled :

MW-5

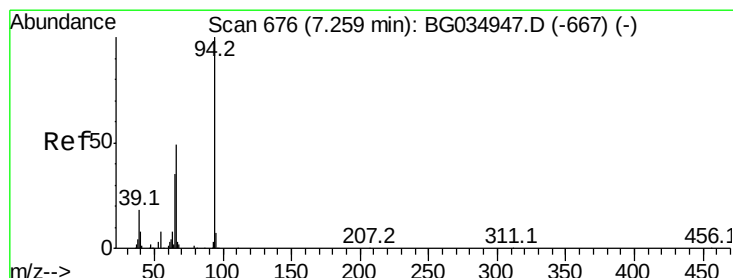
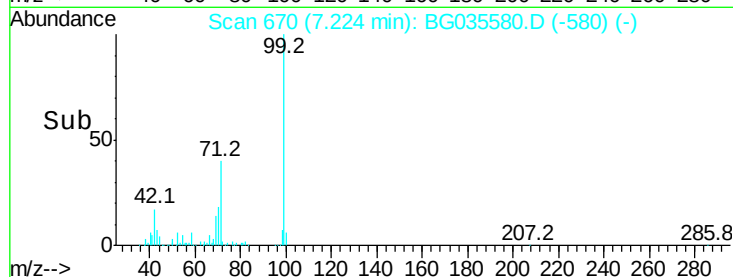
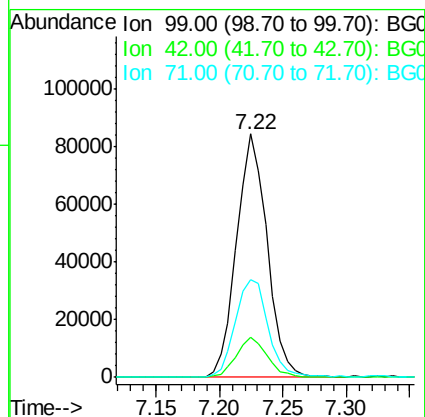
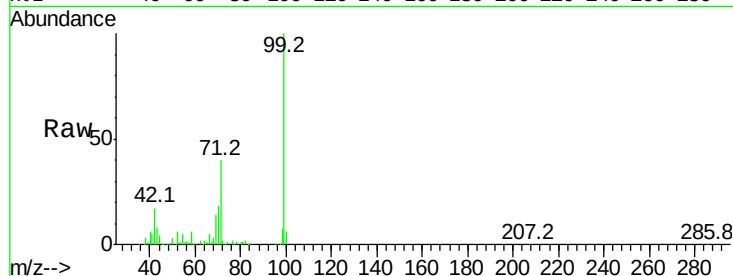
Tot Ion: 99 Resp: 141161

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 40.2 26.1 39.1#



#10

Phenol

Concen: 2.067 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG035580.D

Acq: 3 Jul 2018 10:37

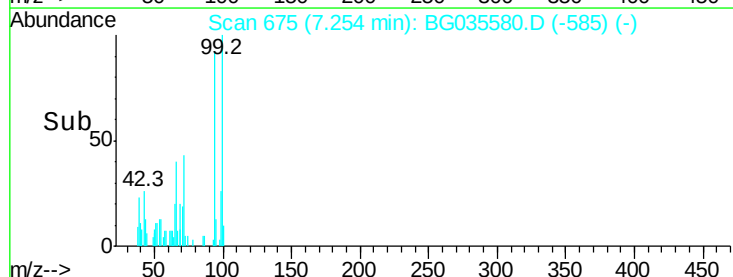
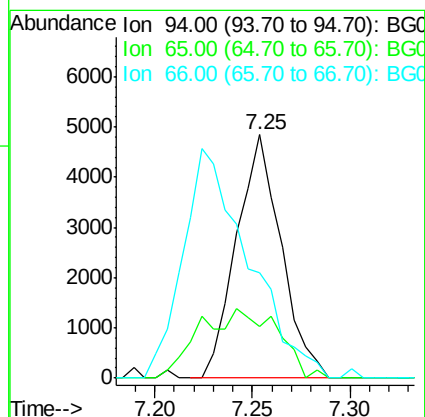
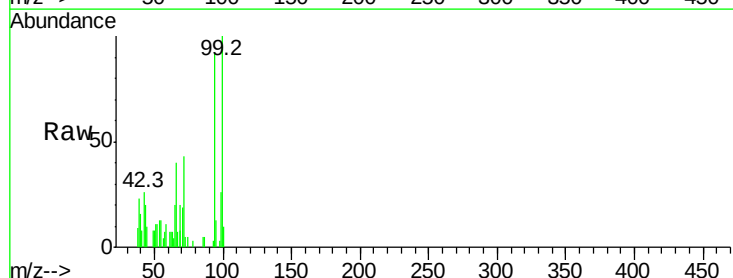
Tgt Ion: 94 Resp: 7695

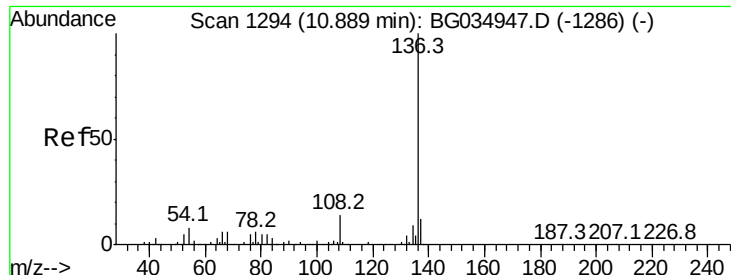
Ion Ratio Lower Upper

94 100

65 21.3 11.9 51.9

66 43.3 22.2 62.2

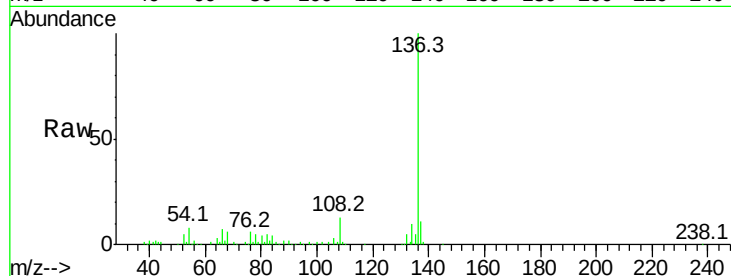




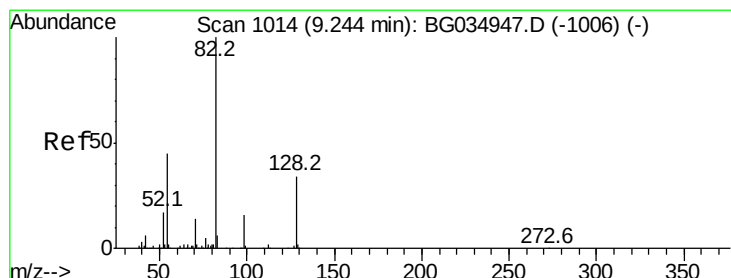
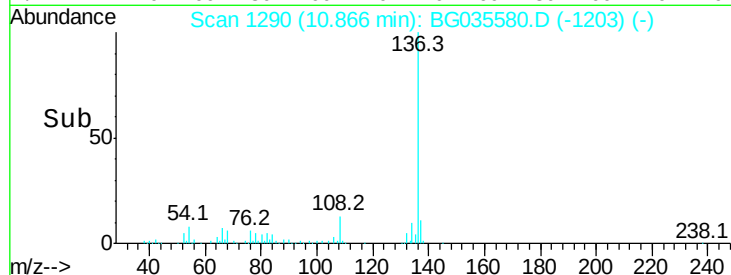
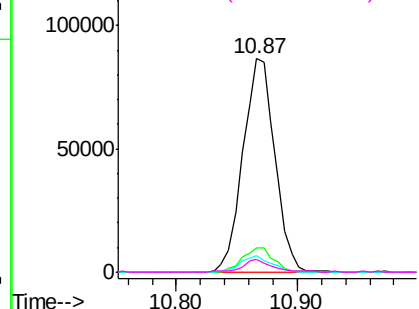
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: BG035580.D  
Acq: 3 Jul 2018 10:37

Instrument :  
BNA\_G  
ClientSampleId :  
MW-5

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 159327 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.2   | 13.8   |
| 54       | 7.6   | 10.3  | 15.5#  |
| 68       | 6.2   | 4.5   | 6.7    |

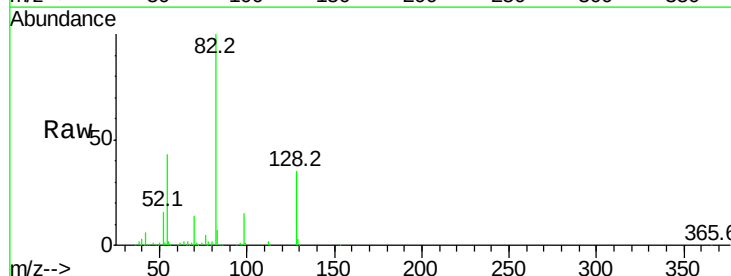


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

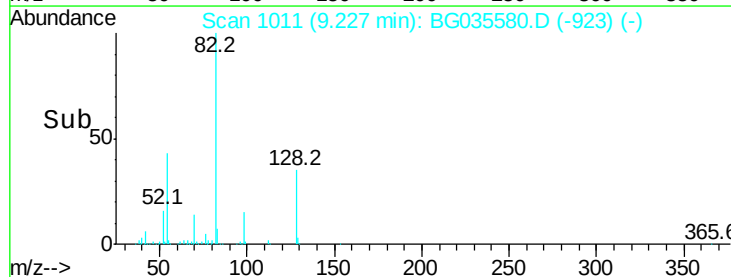
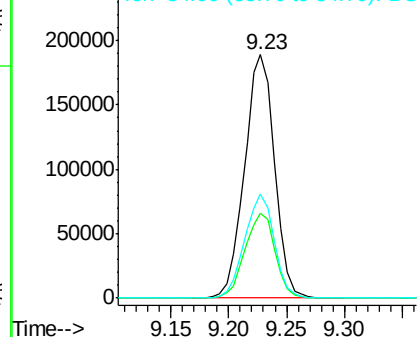


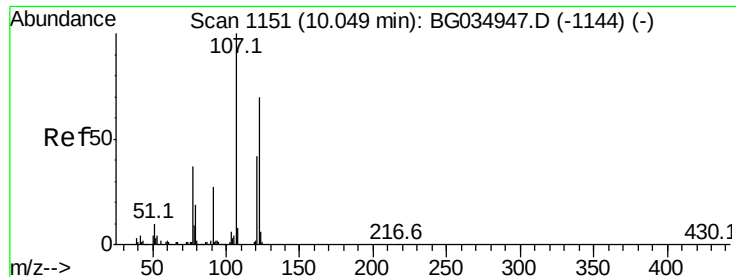
#23  
Nitrobenzene-d5  
Concen: 101.473 ng  
RT: 9.23 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BG035580.D  
Acq: 3 Jul 2018 10:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 340121 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.9  | 29.7  | 44.5   |
| 54       | 42.8  | 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

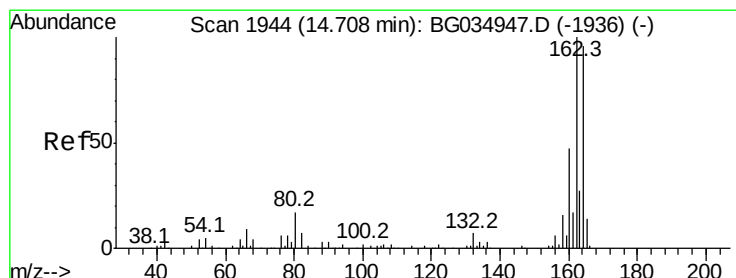
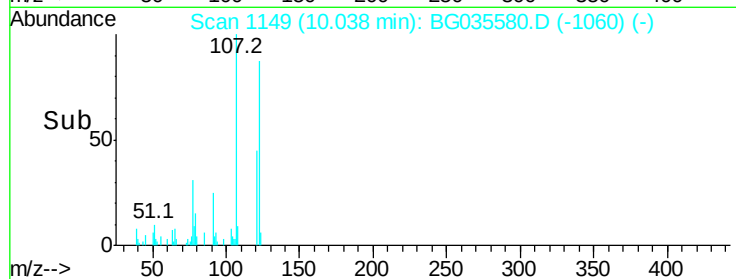
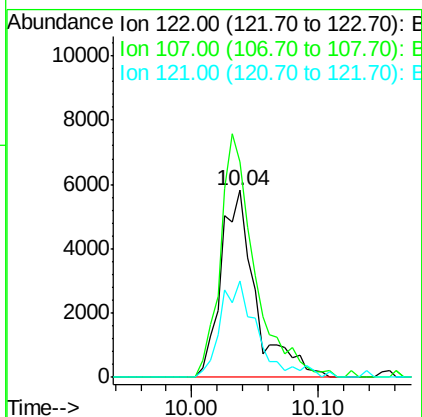
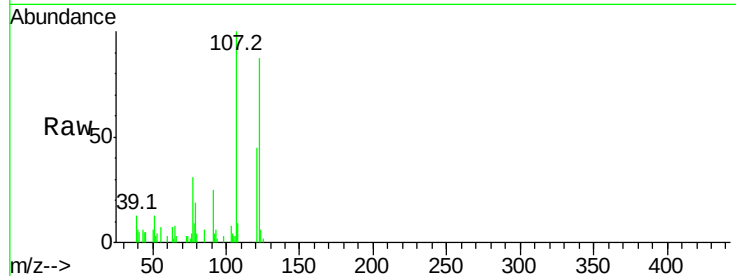




#27  
 2,4-Dimethylphenol  
 Concen: 4.443 ng  
 RT: 10.04 min Scan# 1149  
 Delta R.T. -0.01 min  
 Lab File: BG035580.D  
 Acq: 3 Jul 2018 10:37

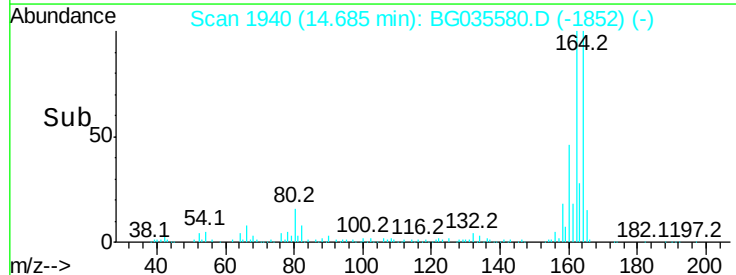
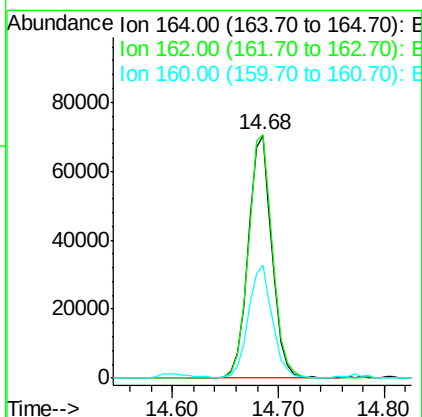
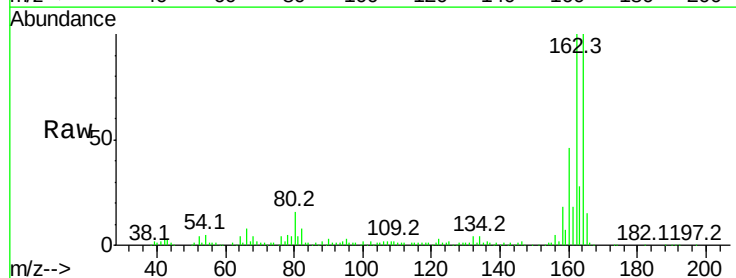
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-5

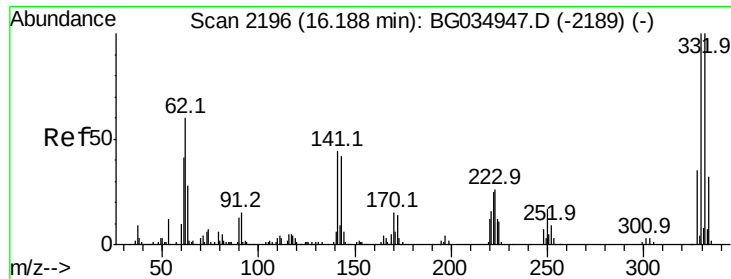
Tot Ion:122 Resp: 11048  
 Ion Ratio Lower Upper  
 122 100  
 107 114.9 100.2 150.2  
 121 51.7 44.4 66.6



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1940  
 Delta R.T. -0.01 min  
 Lab File: BG035580.D  
 Acq: 3 Jul 2018 10:37

Tgt Ion:164 Resp: 109731  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 78.8 118.2  
 160 46.5 35.4 53.0

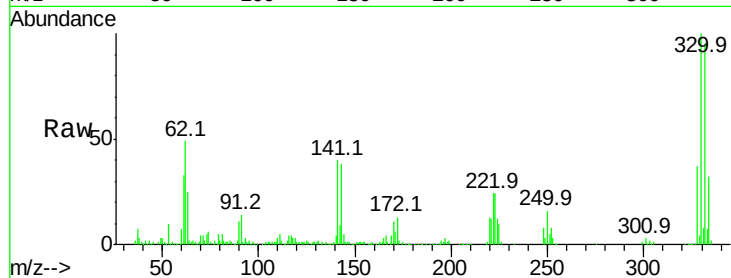




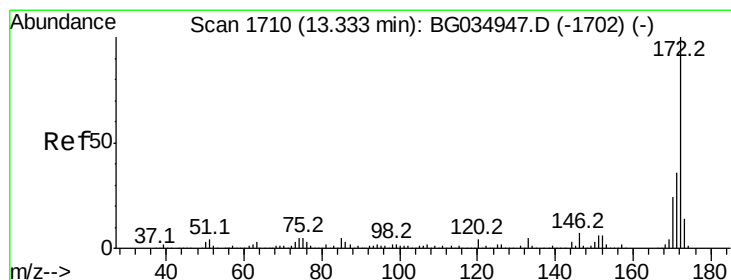
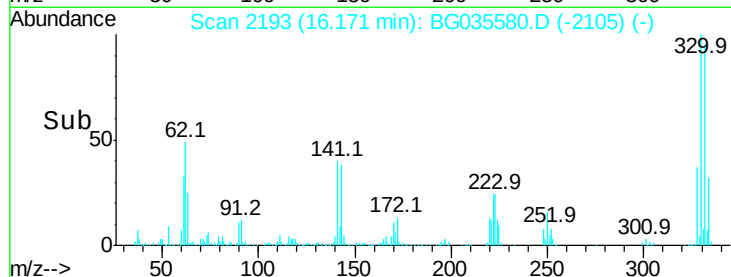
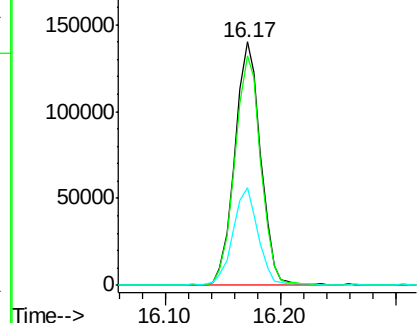
#41  
 2,4,6-Tribromophenol  
 Concen: 154.846 ng  
 RT: 16.17 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BG035580.D  
 Acq: 3 Jul 2018 10:37

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 77.0  | 115.6 |
| 141     | 38.8  | 25.2  | 37.8# |

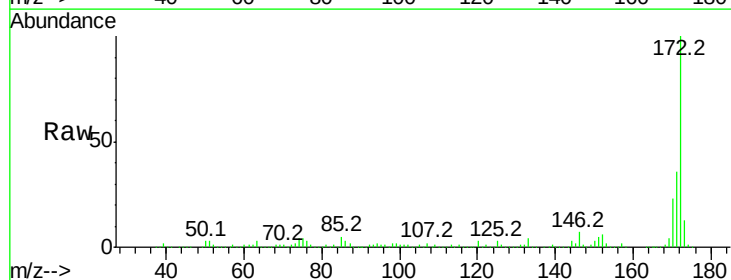


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

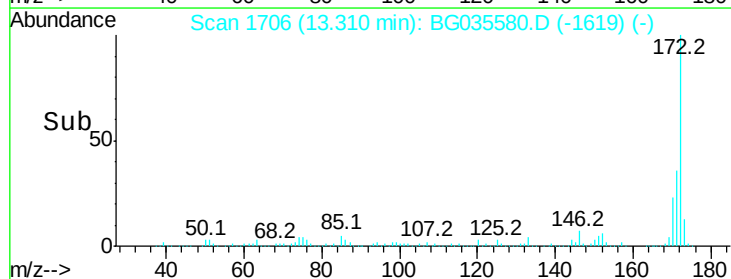
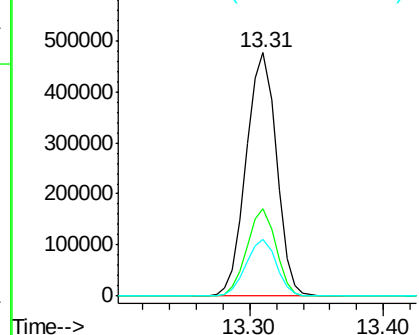


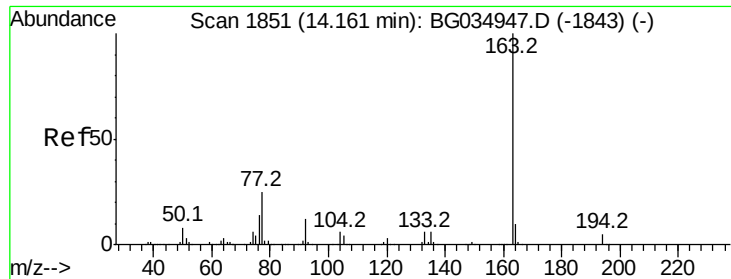
#44  
 2-Fluorobiphenyl  
 Concen: 88.577 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. -0.02 min  
 Lab File: BG035580.D  
 Acq: 3 Jul 2018 10:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 30.0  | 45.0  |
| 170     | 23.5  | 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

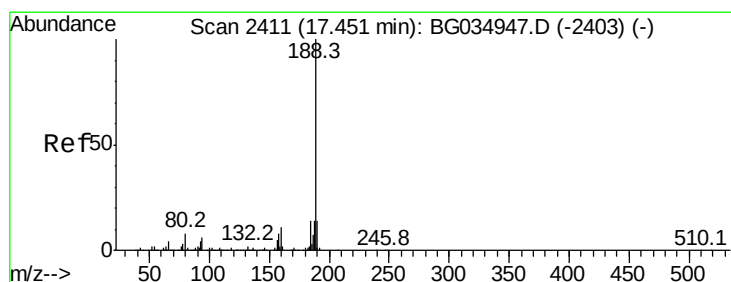
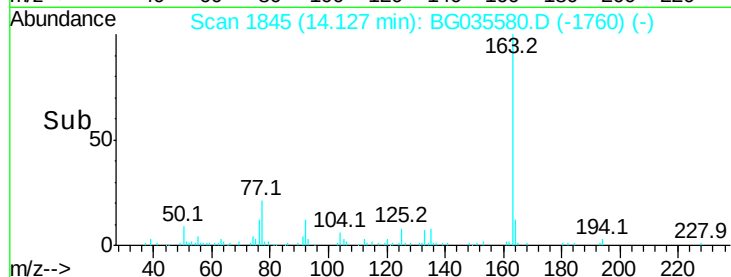
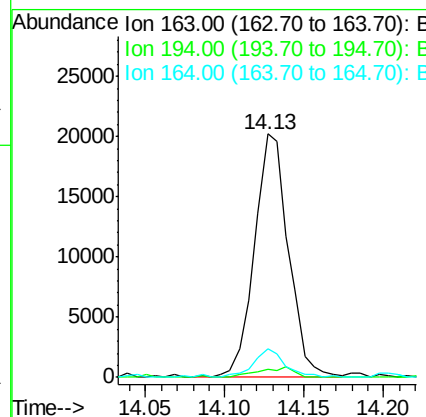
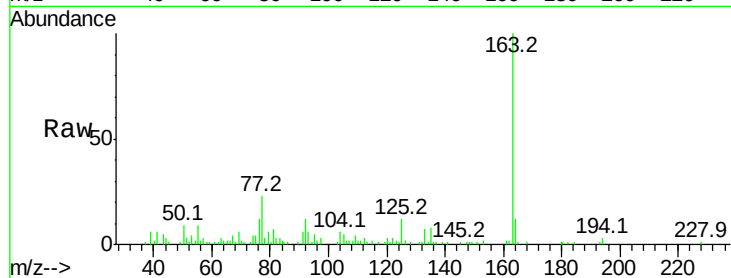




#49  
Dimethylphthalate  
Concen: 3.159 ng  
RT: 14.13 min Scan# 1845  
Delta R.T. -0.03 min  
Lab File: BG035580.D  
Acq: 3 Jul 2018 10:37

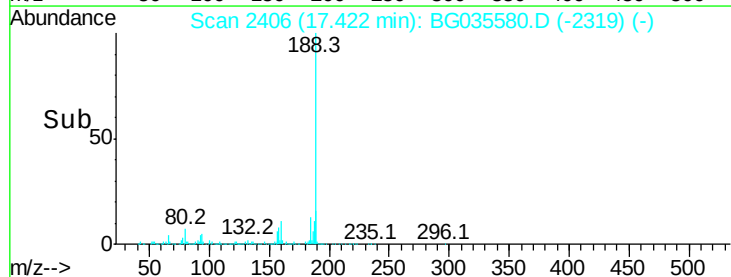
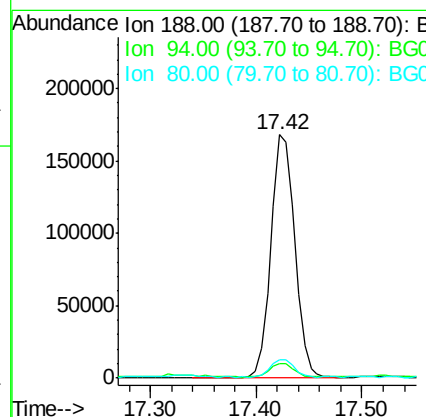
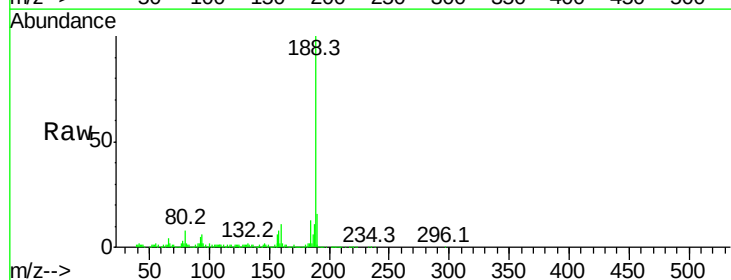
Instrument :  
BNA\_G  
ClientSampled :  
MW-5

Tot Ion:163 Resp: 30231  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.4 5.2#  
164 11.7 8.2 12.4

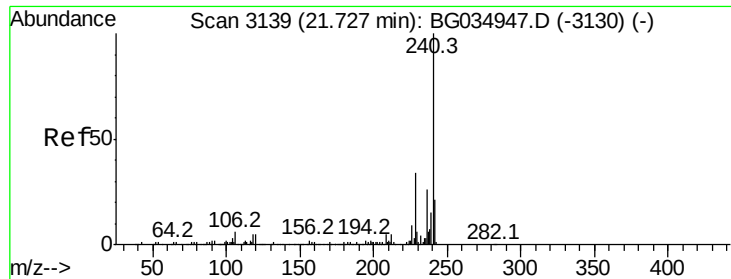


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2406  
Delta R.T. -0.02 min  
Lab File: BG035580.D  
Acq: 3 Jul 2018 10:37

Tgt Ion:188 Resp: 263556  
Ion Ratio Lower Upper  
188 100  
94 5.9 6.9 10.3#  
80 7.6 7.7 11.5#







#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035580.D

Acq: 3 Jul 2018 10:37

Instrument :

BNA\_G

ClientSampleId :

MW-5

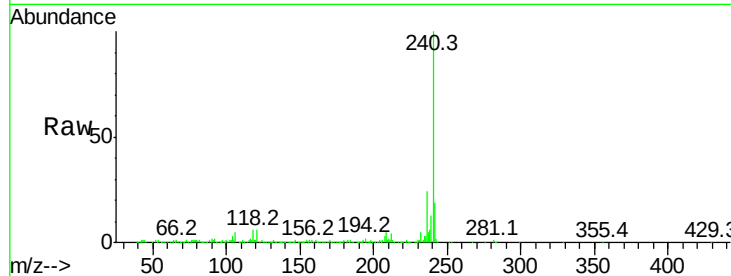
Tot Ion:240 Resp: 284792

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

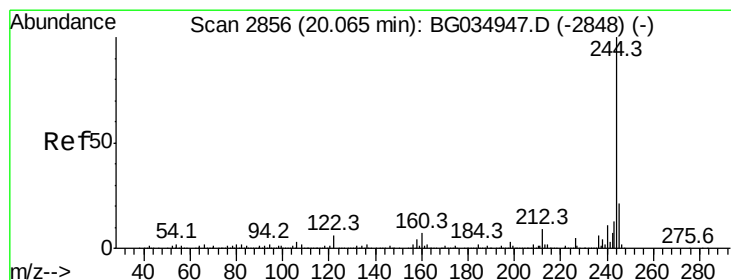
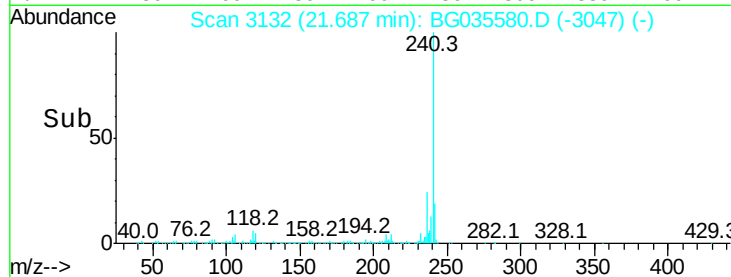
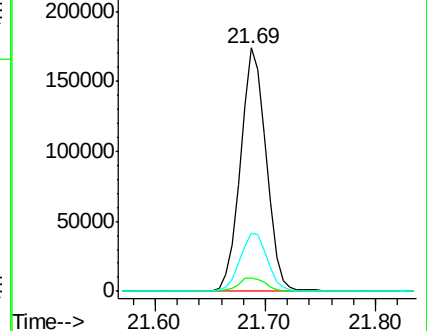
236 23.9 20.9 31.3



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: 87.335 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035580.D

Acq: 3 Jul 2018 10:37

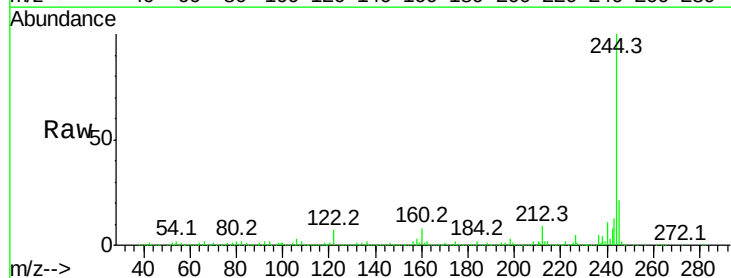
Tgt Ion:244 Resp: 1187405

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

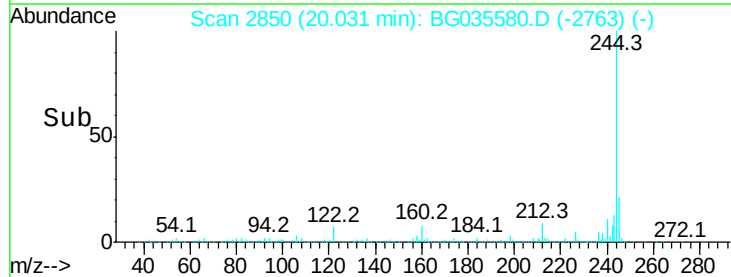
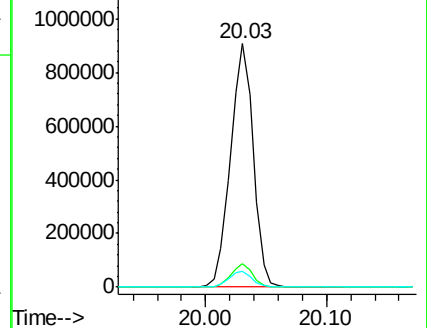
122 6.7 7.0 10.4#

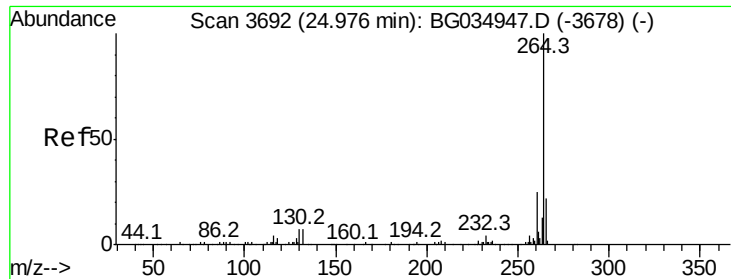


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

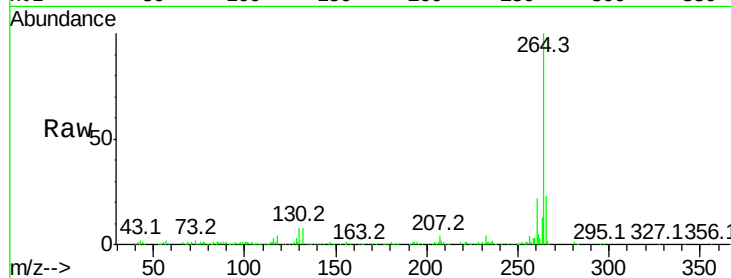




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.92 min Scan# 3682  
Delta R.T. -0.04 min  
Lab File: BG035580.D  
Acq: 3 Jul 2018 10:37

Instrument :  
BNA\_G  
ClientSampleId :  
MW-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.2  | 17.4  | 26.0  |
| 265     | 22.9  | 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

