

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\  
 Data File : BG035185.D  
 Acq On : 15 Jun 2018 23:36  
 Operator : SJ/JU  
 Sample : J3518-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EPE-106-7(3-8)

Quant Time: Jun 16 01:03:25 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

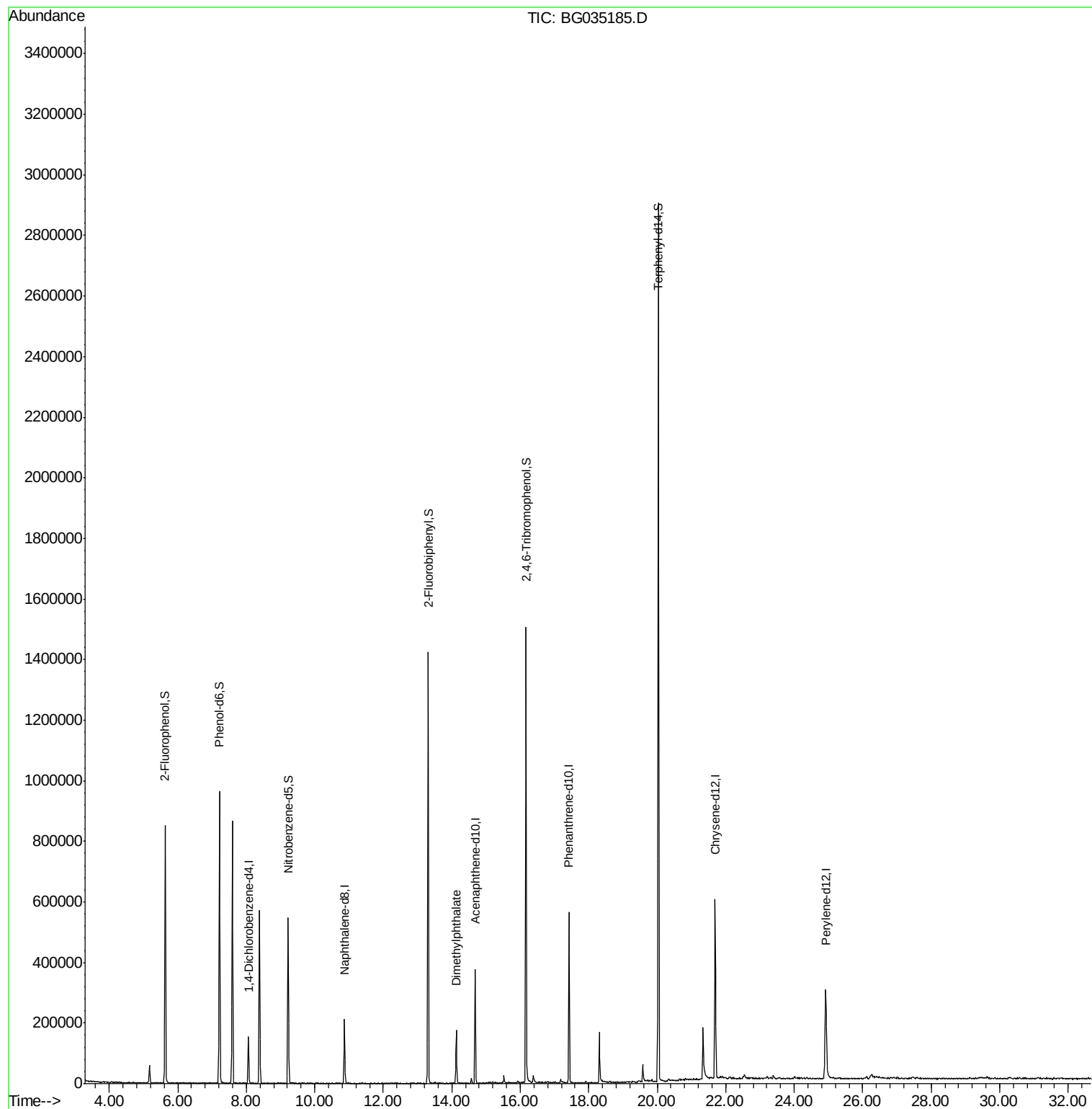
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 44511    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.87 | 136  | 171694   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 130133   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.43 | 188  | 355844   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.69 | 240  | 379919   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.92 | 264  | 362140   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 367487   | 139.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 579941   | 148.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 368127   | 101.92 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 281187   | 168.79 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 758438   | 75.77  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.04 | 244  | 1410921  | 77.79  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.13 | 163  | 113797   | 10.028 | ng    | 99       |

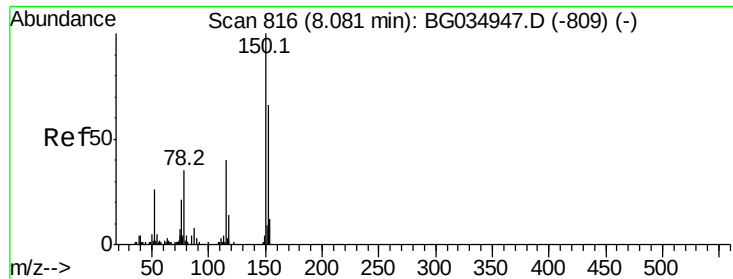
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EPE-106-7(3-8)

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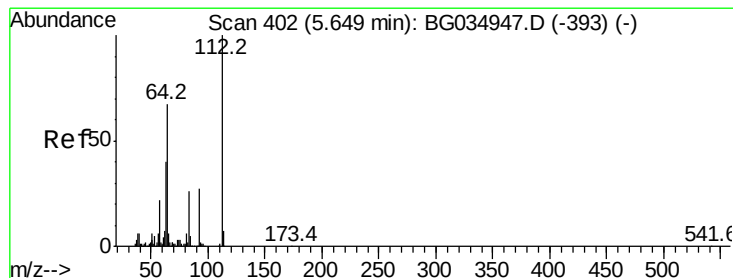
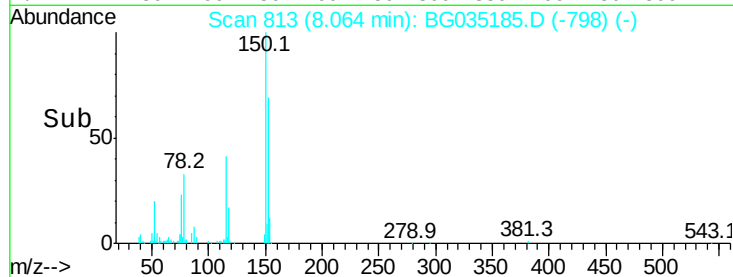
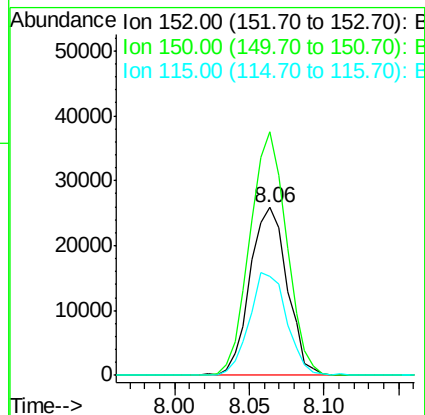
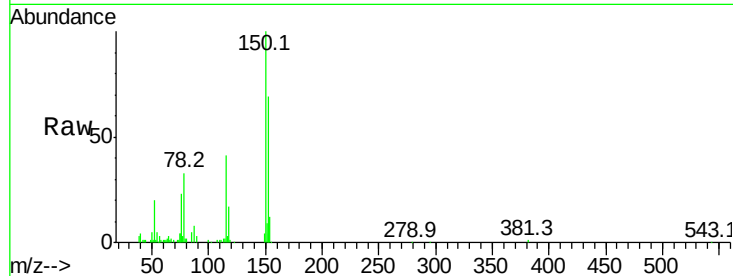


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG035185.D  
Acq: 15 Jun 2018 23:36

Instrument :  
BNA\_G  
ClientSampleId :  
EPE-106-7(3-8)

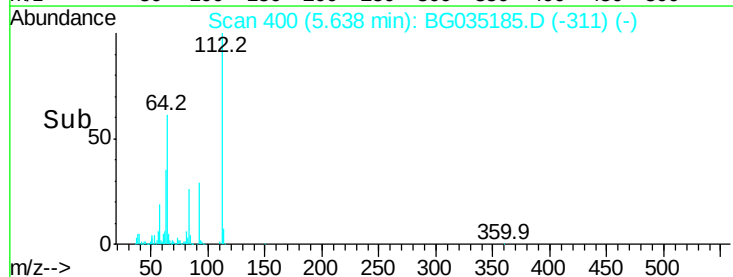
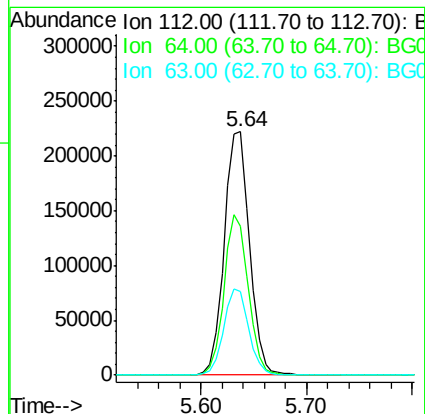
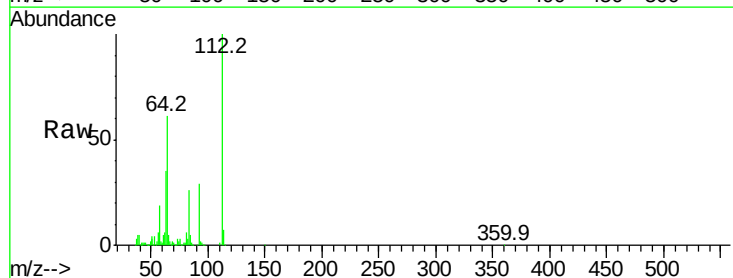
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.2 | 126.6 | 189.8 |
| 115     | 59.2  | 53.0  | 79.4  |

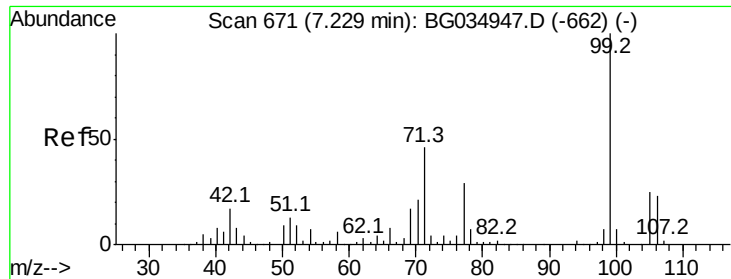


#5

2-Fluorophenol  
Concen: 139.330 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG035185.D  
Acq: 15 Jun 2018 23:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.9  | 56.3  | 84.5  |
| 63      | 34.5  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 148.977 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

Instrument :

BNA\_G

ClientSampleId :

EPE-106-7(3-8)

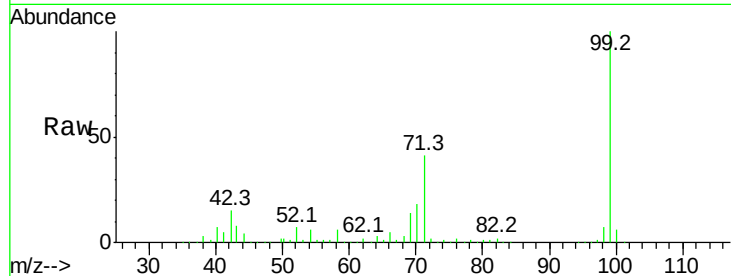
Tot Ion: 99 Resp: 579941

Ion Ratio Lower Upper

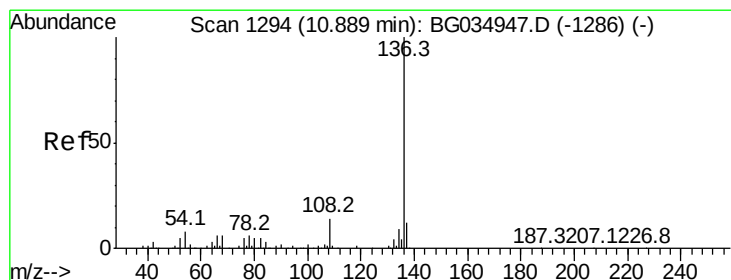
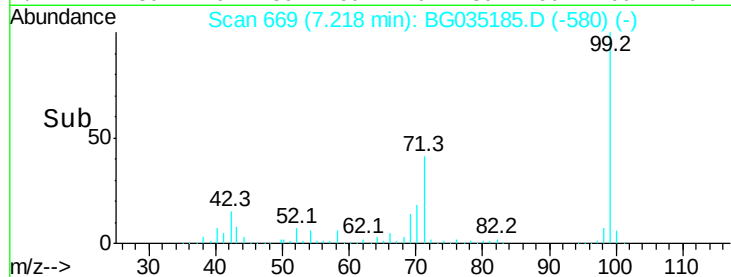
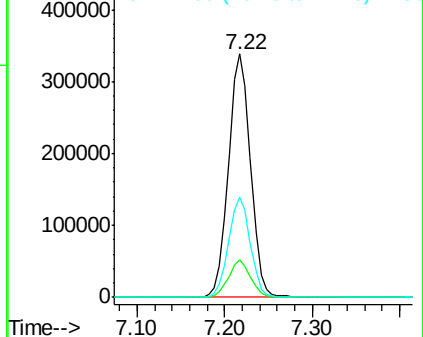
99 100

42 15.5 14.1 21.1

71 41.4 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: 10.87 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

Tgt Ion: 136 Resp: 171694

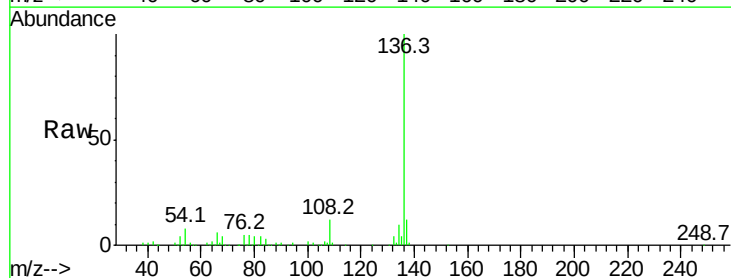
Ion Ratio Lower Upper

136 100

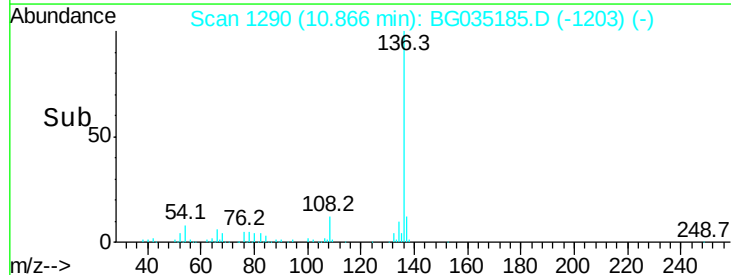
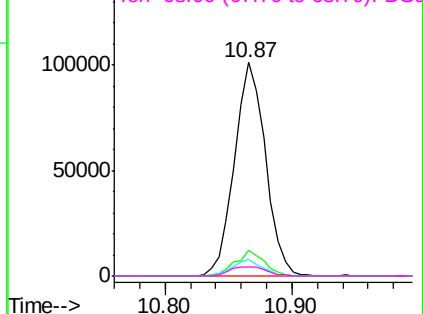
137 11.7 9.2 13.8

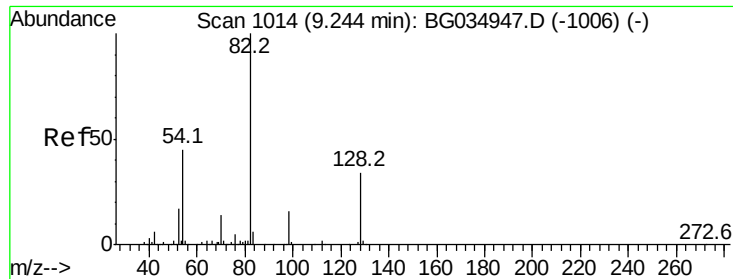
54 7.7 10.3 15.5#

68 4.1 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: 101.918 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

Instrument :

BNA\_G

ClientSampleId :

EPE-106-7(3-8)

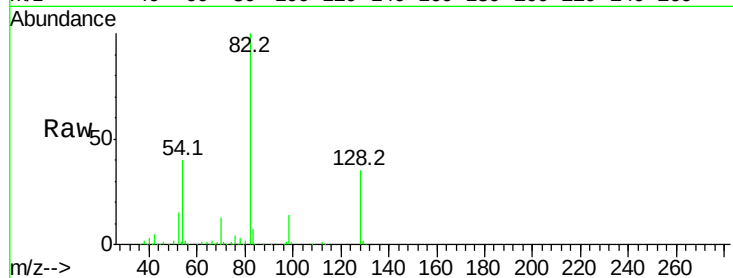
Tot Ion: 82 Resp: 368127

Ion Ratio Lower Upper

82 100

128 35.1 29.7 44.5

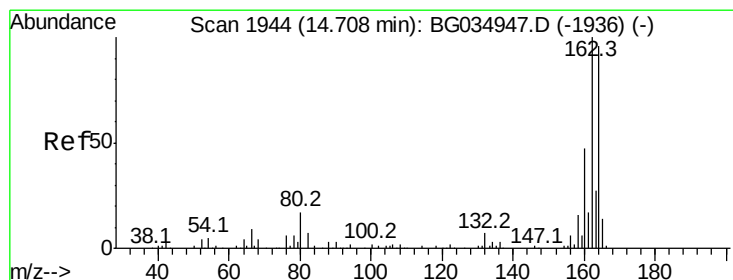
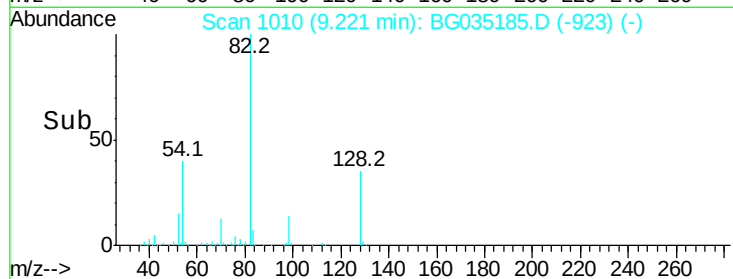
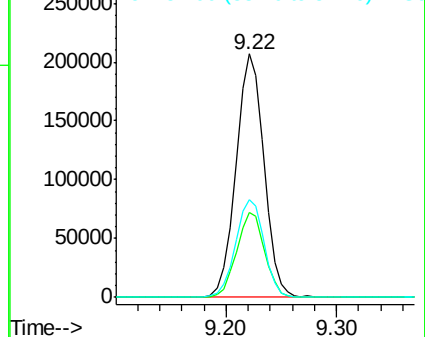
54 40.1 43.1 64.7#



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: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

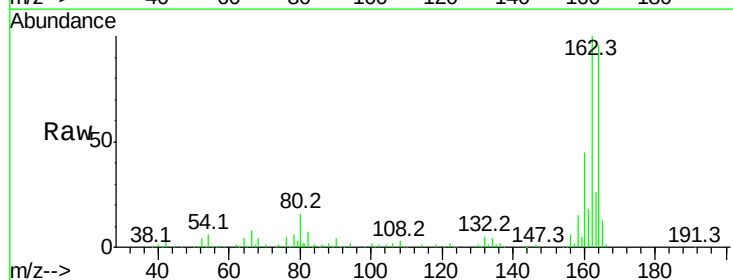
Tgt Ion:164 Resp: 130133

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

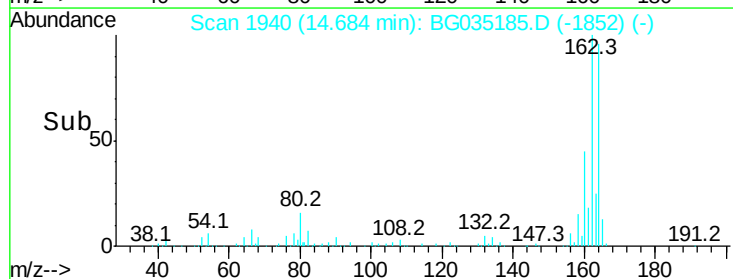
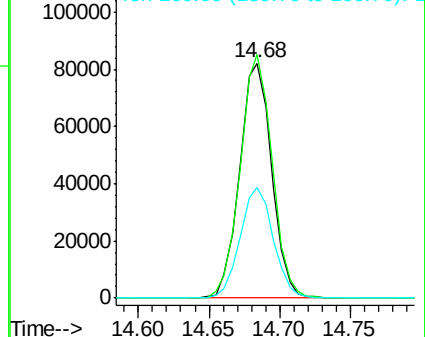
160 46.9 35.4 53.0

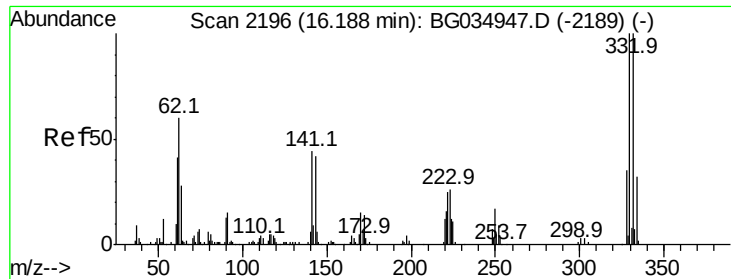


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

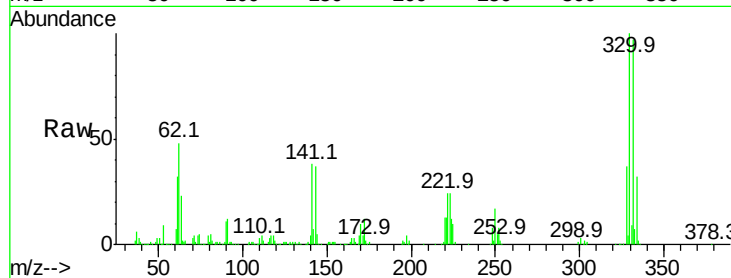




#41  
 2,4,6-Tribromophenol  
 Concen: 168.793 ng  
 RT: 16.17 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BG035185.D  
 Acq: 15 Jun 2018 23:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EPE-106-7(3-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.7  | 77.0  | 115.6 |
| 141     | 38.3  | 25.2  | 37.8# |

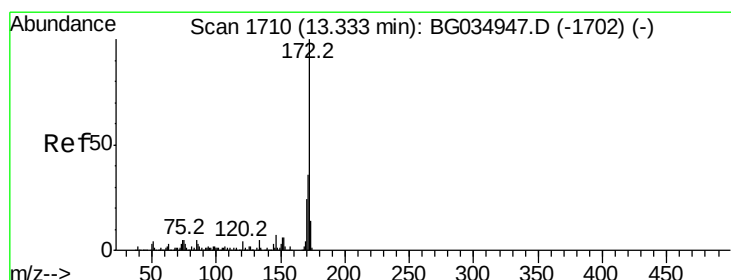
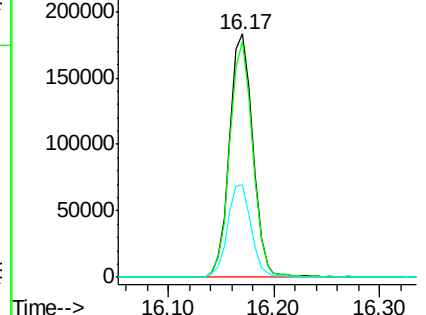
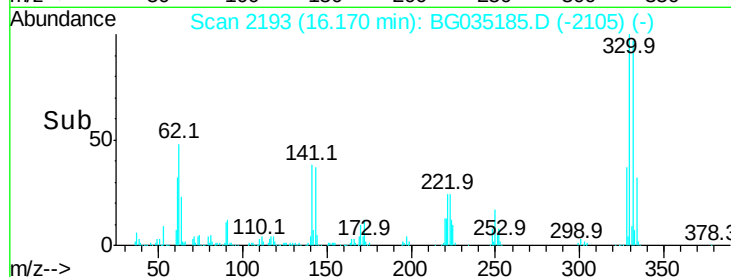


Abundance

Ion 329.80 (329.50 to 330.50): E

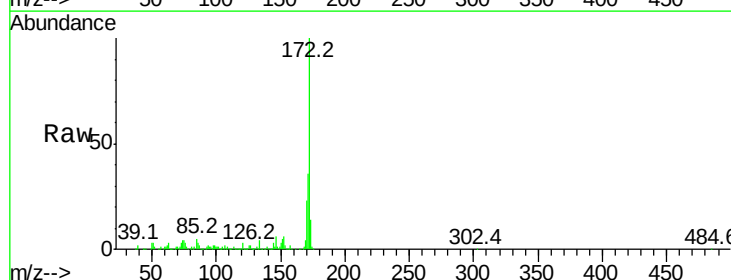
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 75.766 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. -0.02 min  
 Lab File: BG035185.D  
 Acq: 15 Jun 2018 23:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 30.0  | 45.0  |
| 170     | 23.1  | 19.5  | 29.3  |

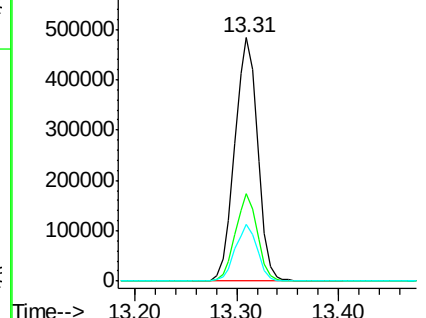
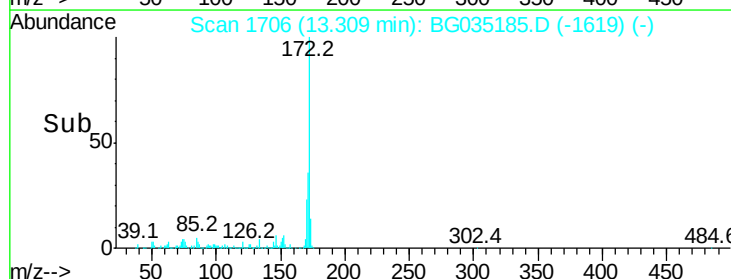


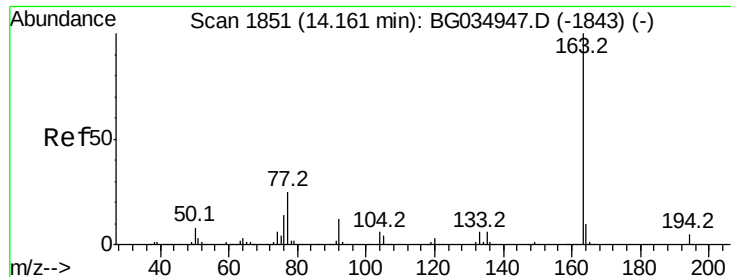
Abundance

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: 10.028 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

Instrument :

BNA\_G

ClientSampleId :

EPE-106-7(3-8)

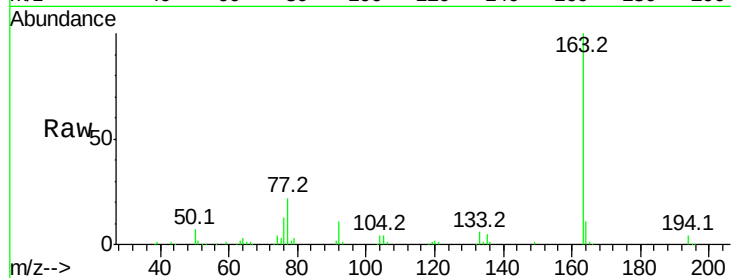
Tot Ion:163 Resp: 113797

Ion Ratio Lower Upper

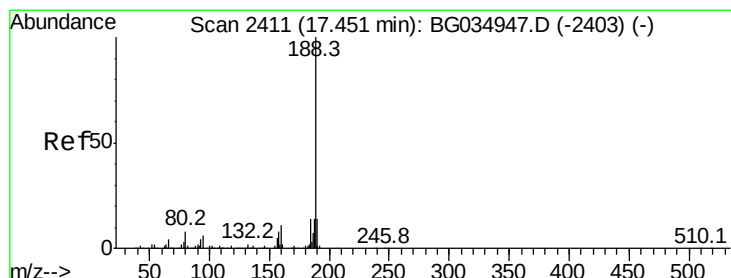
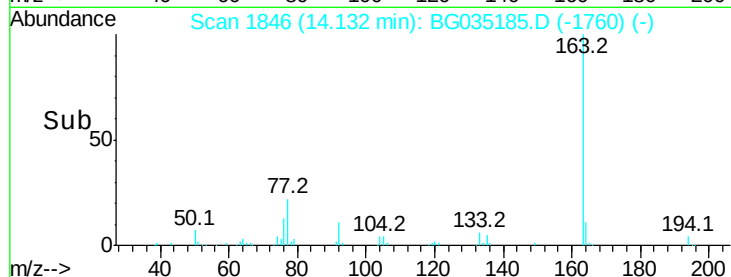
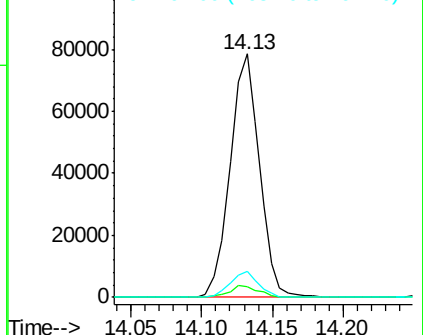
163 100

194 4.2 3.4 5.2

164 10.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

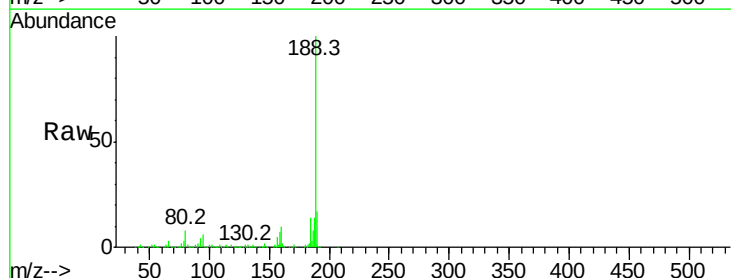
Tgt Ion:188 Resp: 355844

Ion Ratio Lower Upper

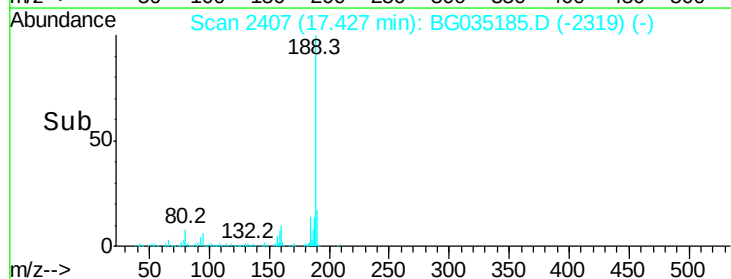
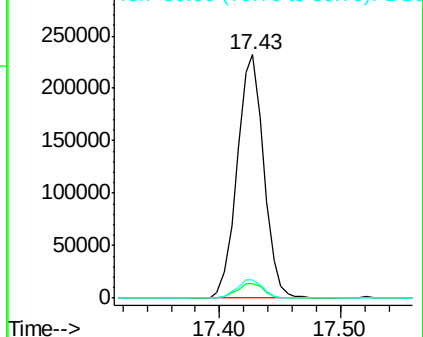
188 100

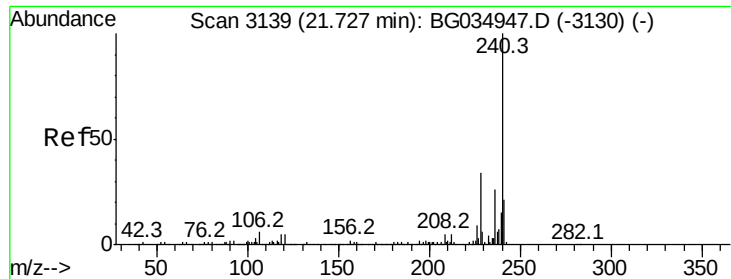
94 5.8 6.9 10.3#

80 7.8 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: 20.000 ng

RT: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

Instrument :

BNA\_G

ClientSampleId :

EPE-106-7(3-8)

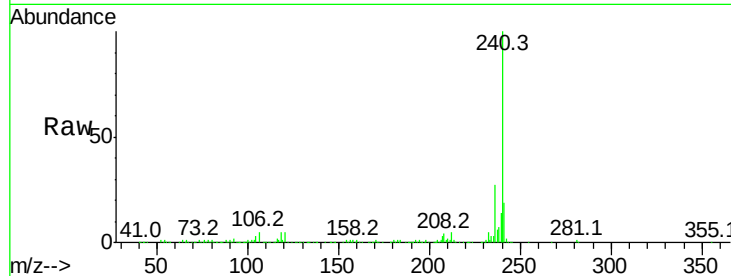
Tot Ion:240 Resp: 379919

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

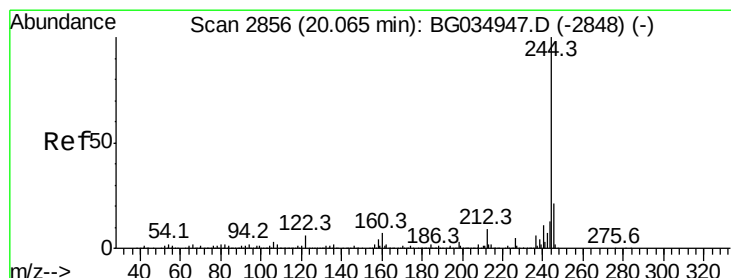
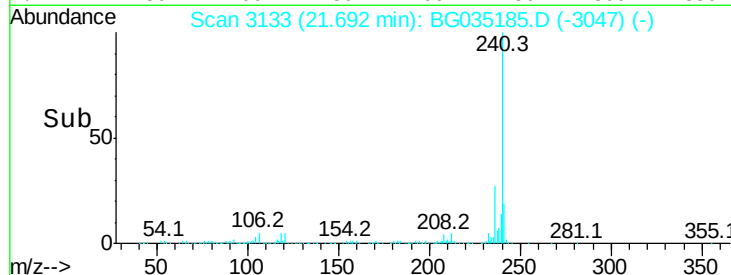
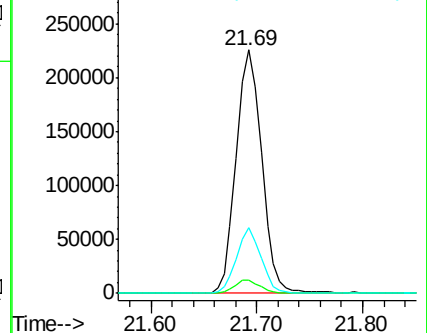
236 27.0 20.9 31.3



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: 77.791 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035185.D

Acq: 15 Jun 2018 23:36

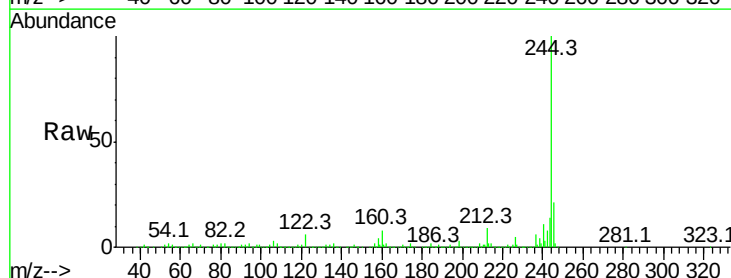
Tgt Ion:244 Resp: 1410921

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

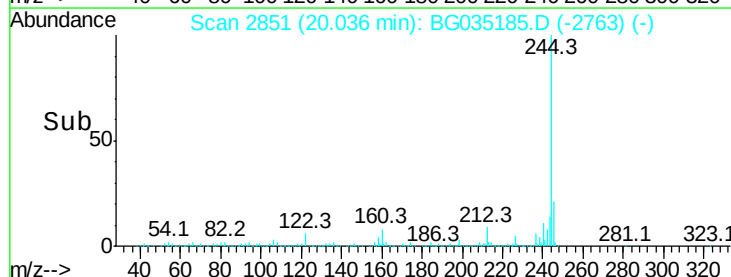
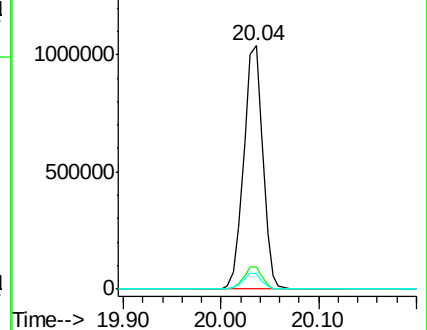
122 6.5 7.0 10.4#



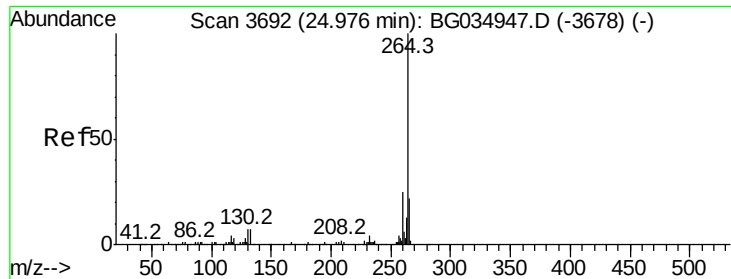
Abundance Ion 244.00 (243.70 to 244.70): E

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# 3683  
Delta R.T. -0.03 min  
Lab File: BG035185.D  
Acq: 15 Jun 2018 23:36

Instrument :  
BNA\_G  
ClientSampleId :  
EPE-106-7(3-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 20.9  | 17.4  | 26.0  |
| 265     | 19.7  | 17.7  | 26.5  |

