

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\  
 Data File : BG036545.D  
 Acq On : 5 Sep 2018 00:59  
 Operator : JU/SJ  
 Sample : J4764-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP

Quant Time: Sep 05 05:38:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

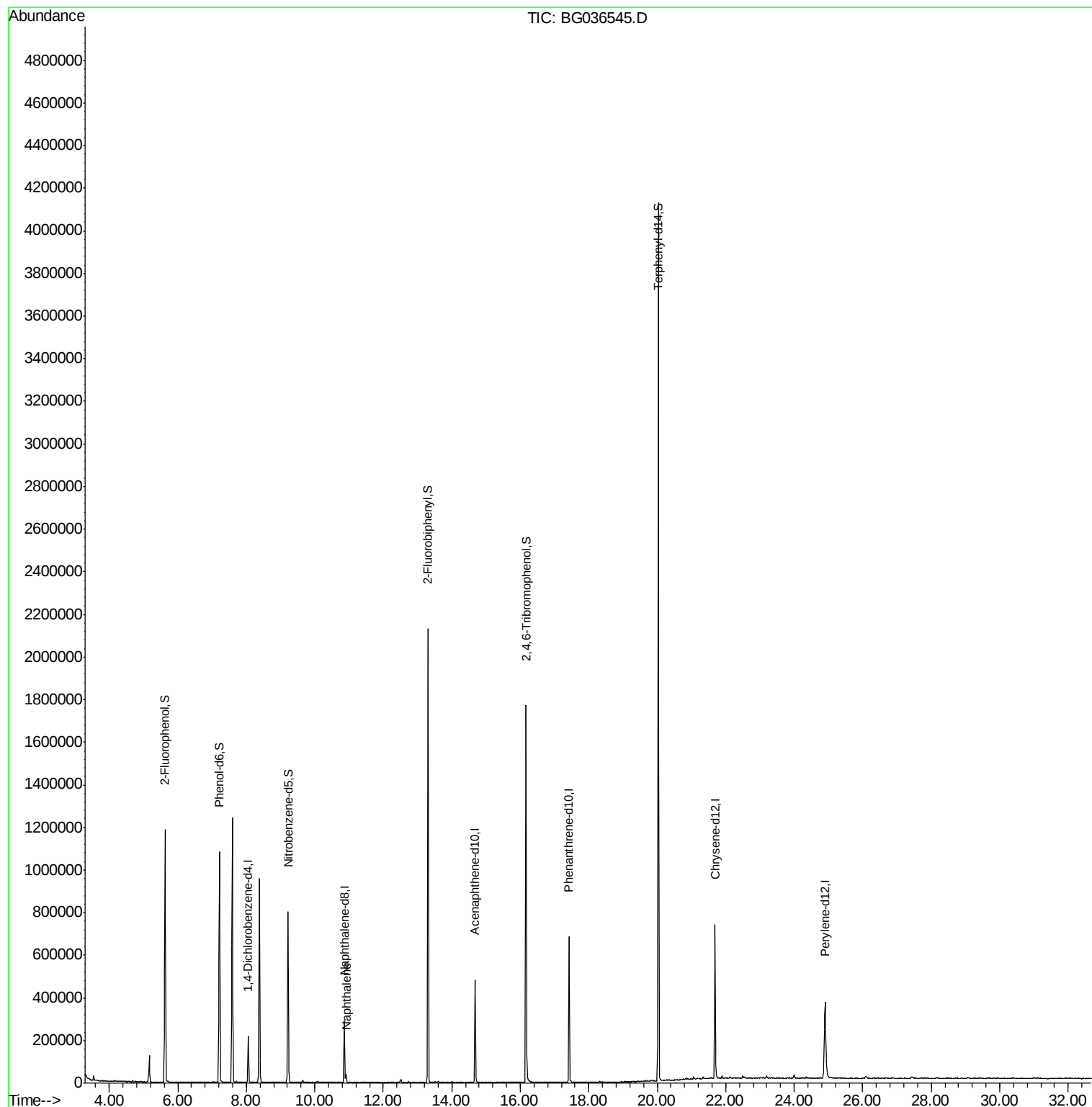
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 61612    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.86 | 136  | 247862   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.68 | 164  | 162729   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.42 | 188  | 423348   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.69 | 240  | 462469   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 24.90 | 264  | 437430   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.63  | 112  | 502720   | 129.43 | ng    | 0.00         |
| 7) Phenol-d6                | 7.21  | 99   | 627255   | 112.80 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 489552   | 107.16 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 327389   | 168.61 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 1078258  | 94.61  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.03 | 244  | 1915559  | 96.81  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 10.91 | 128  | 32857    | 2.652  | ng    | Qvalue<br>97 |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 31 13:03:20 2018  
Response via : Initial Calibration



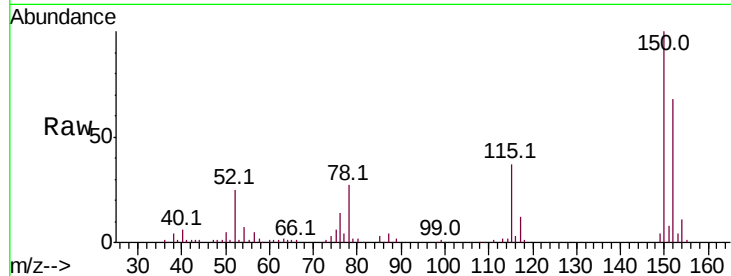


#1

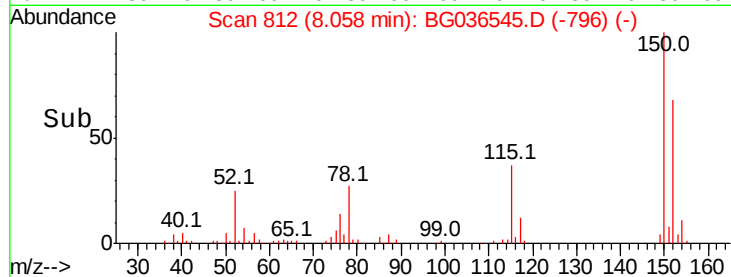
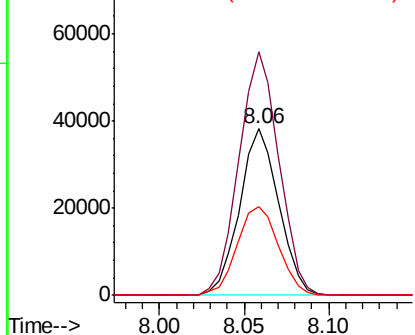
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.06 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BG036545.D  
 Acq: 5 Sep 2018 00:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP

Tot Ion:152 Resp: 61612  
 Ion Ratio Lower Upper  
 152 100  
 150 146.1 119.5 179.3  
 115 53.6 44.5 66.7



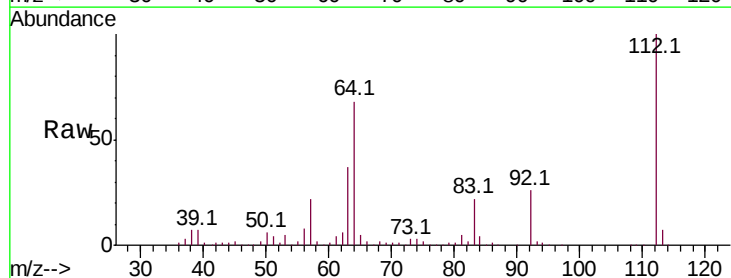
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



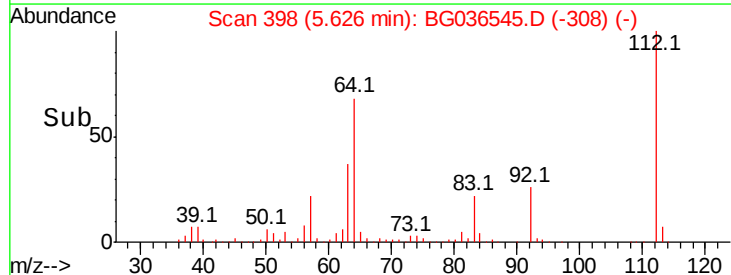
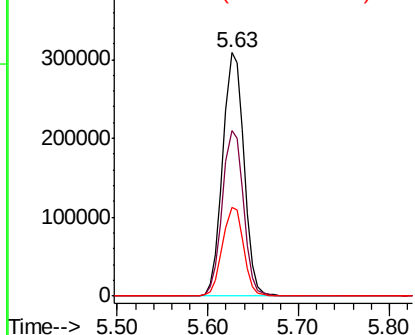
#5

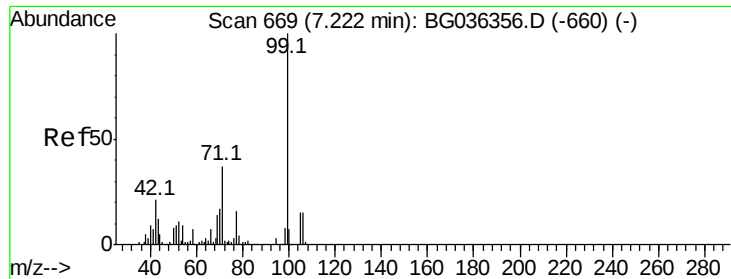
2-Fluorophenol  
 Concen: 129.433 ng  
 RT: 5.63 min Scan# 398  
 Delta R.T. 0.00 min  
 Lab File: BG036545.D  
 Acq: 5 Sep 2018 00:59

Tgt Ion:112 Resp: 502720  
 Ion Ratio Lower Upper  
 112 100  
 64 68.2 57.2 85.8  
 63 36.5 30.8 46.2



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: 112.796 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Instrument :

BNA\_G

ClientSampleId :

SP

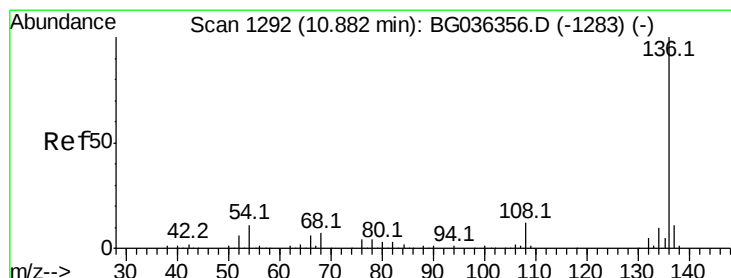
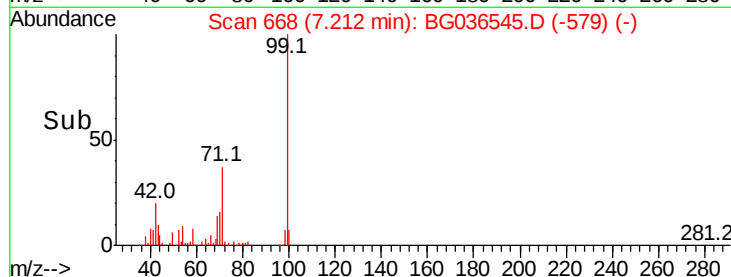
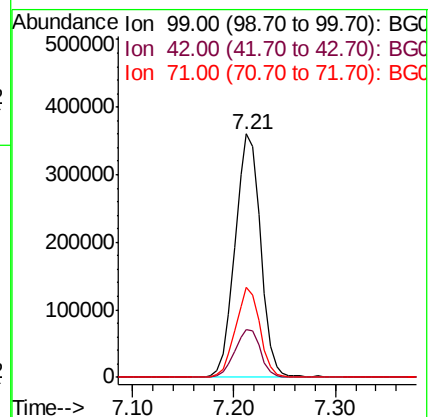
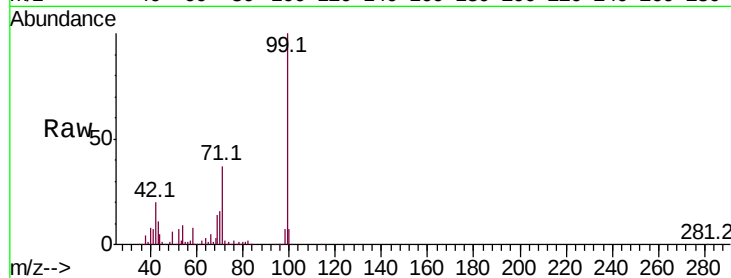
Tot Ion: 99 Resp: 627255

Ion Ratio Lower Upper

99 100

42 19.7 16.5 24.7

71 36.8 29.4 44.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Tgt Ion: 136 Resp: 247862

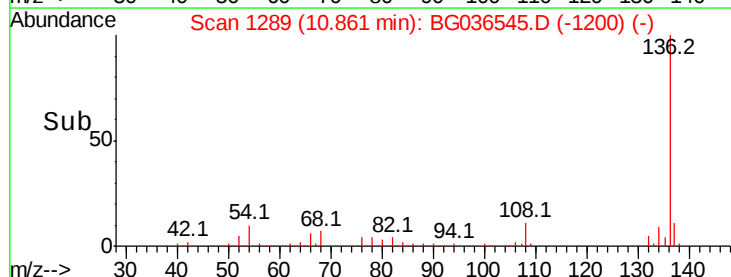
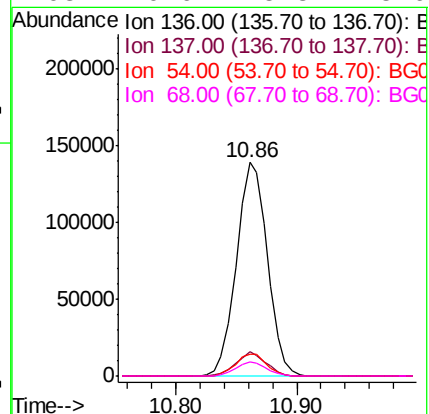
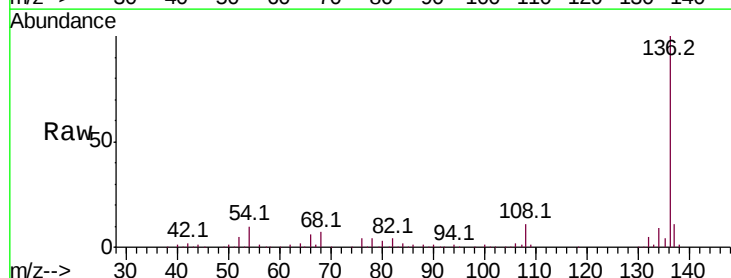
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 10.4 9.2 13.8

68 6.6 5.8 8.6





#23

Nitrobenzene-d5

Concen: 107.162 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Instrument :

BNA\_G

ClientSampled :

SP

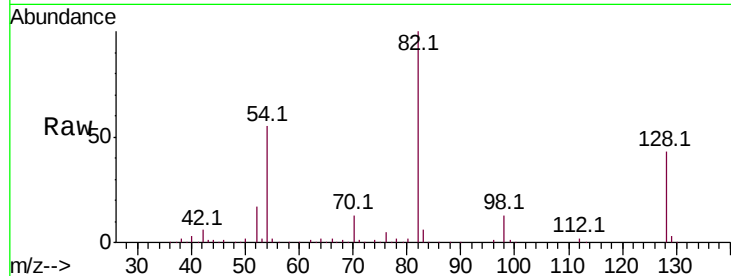
Tot Ion: 82 Resp: 489552

Ion Ratio Lower Upper

82 100

128 43.5 33.3 49.9

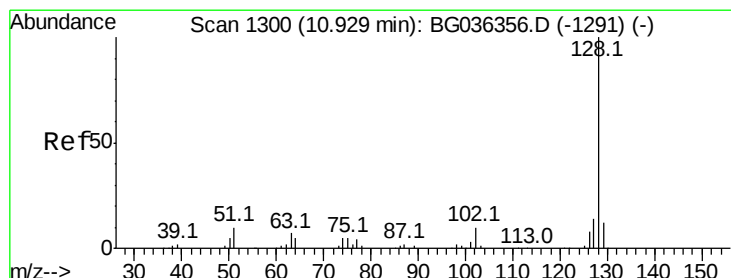
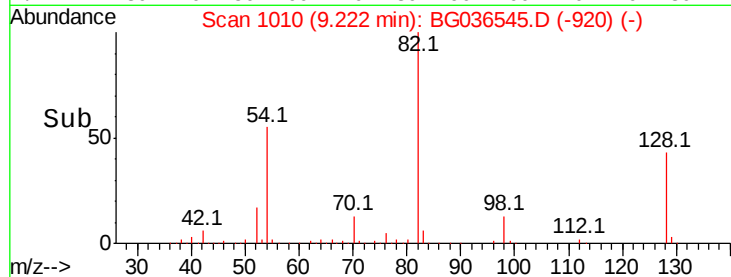
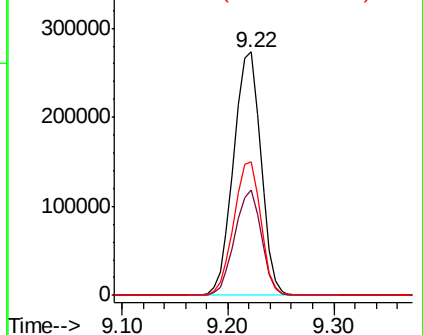
54 54.8 45.1 67.7



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



#31

Naphthalene

Concen: 2.652 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

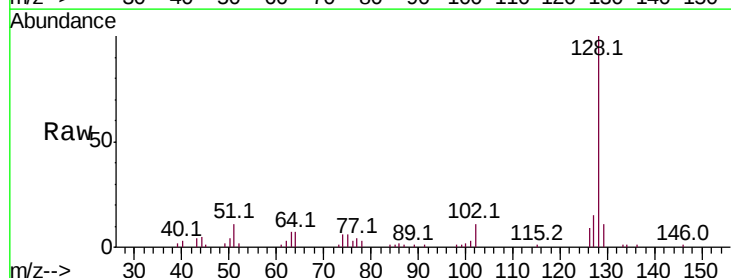
Tgt Ion:128 Resp: 32857

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.2

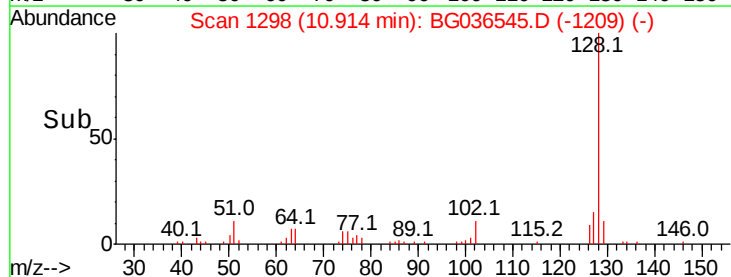
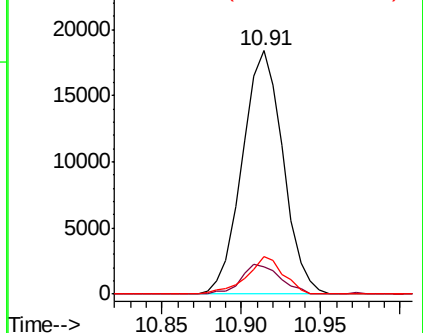
127 15.4 11.0 16.4

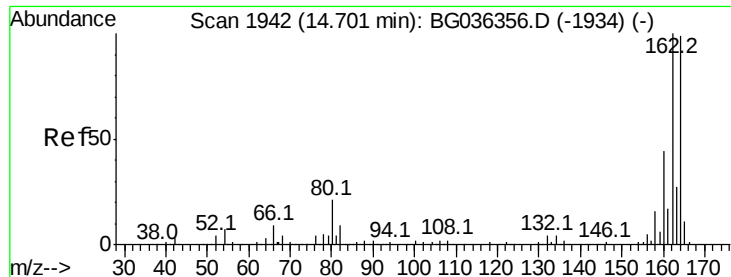


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

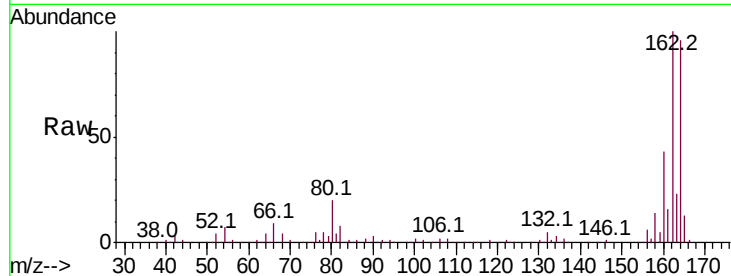




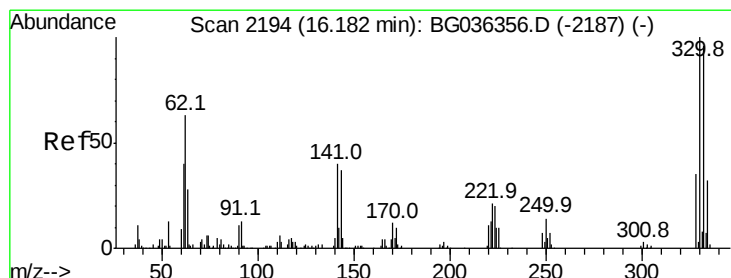
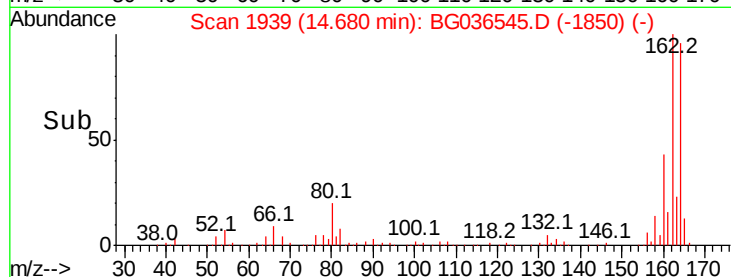
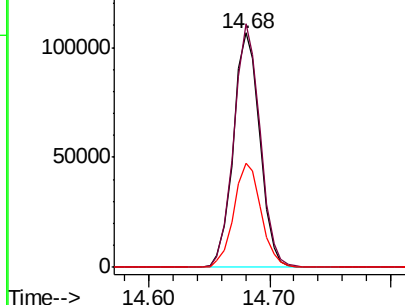
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.01 min  
 Lab File: BG036545.D  
 Acq: 5 Sep 2018 00:59

Instrument :  
 BNA\_G  
 ClientSampled :  
 SP

Tot Ion:164 Resp: 162729  
 Ion Ratio Lower Upper  
 164 100  
 162 103.8 80.7 121.1  
 160 44.1 35.3 52.9

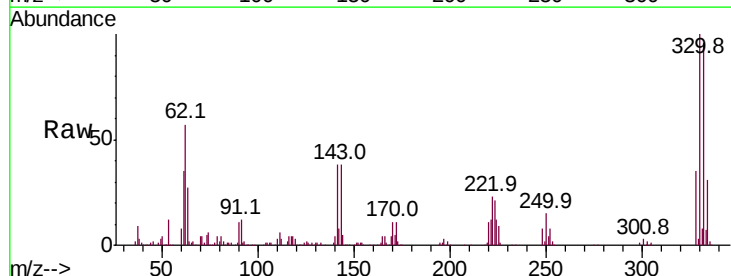


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

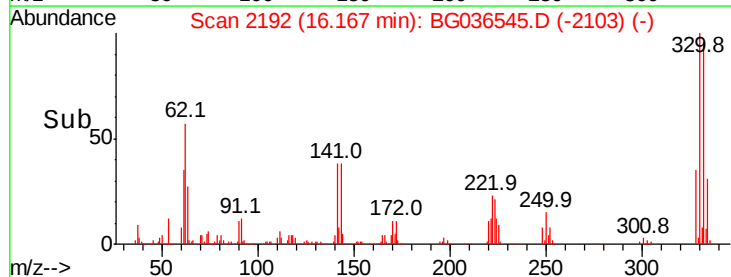
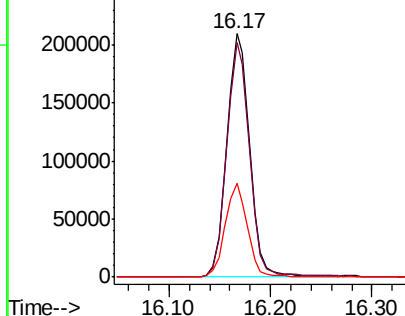


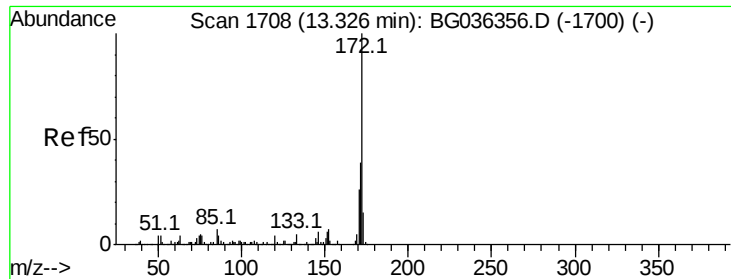
#41  
 2,4,6-Tribromophenol  
 Concen: 168.608 ng  
 RT: 16.17 min Scan# 2192  
 Delta R.T. -0.01 min  
 Lab File: BG036545.D  
 Acq: 5 Sep 2018 00:59

Tgt Ion:330 Resp: 327389  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 75.4 113.2  
 141 37.5 30.7 46.1



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



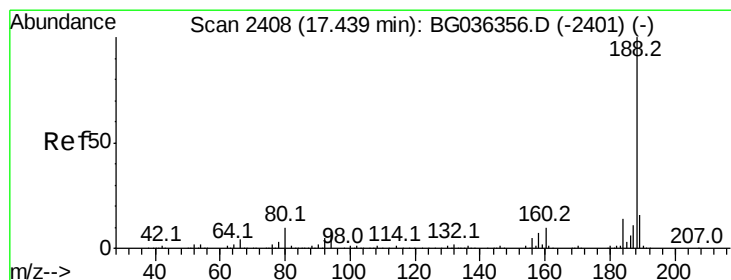
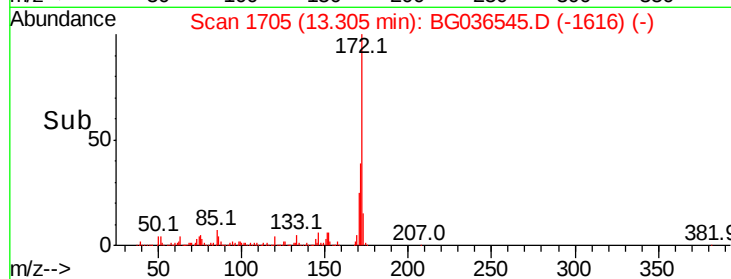
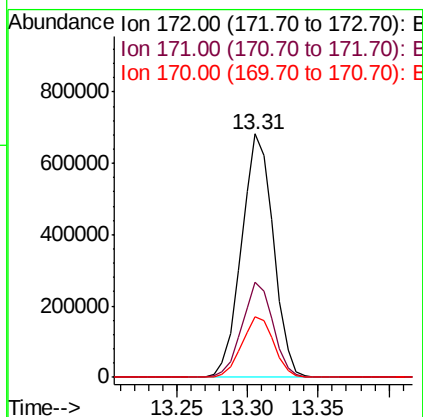
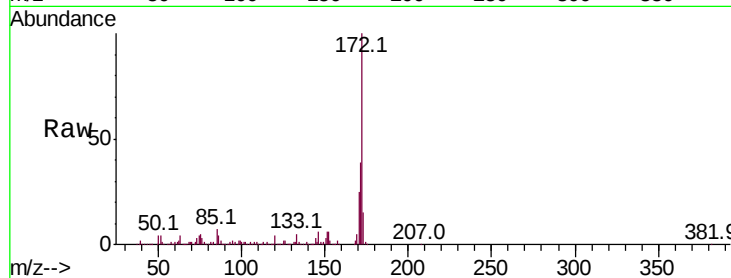


#44  
 2-Fluorobiphenyl  
 Concen: 94.609 ng  
 RT: 13.31 min Scan# 1705  
 Delta R.T. -0.01 min  
 Lab File: BG036545.D  
 Acq: 5 Sep 2018 00:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP

Tot Ion:172 Resp: 1078258  

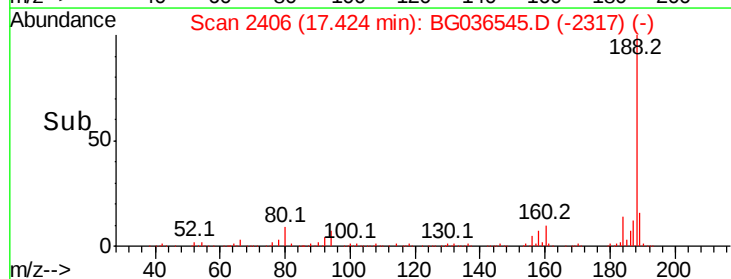
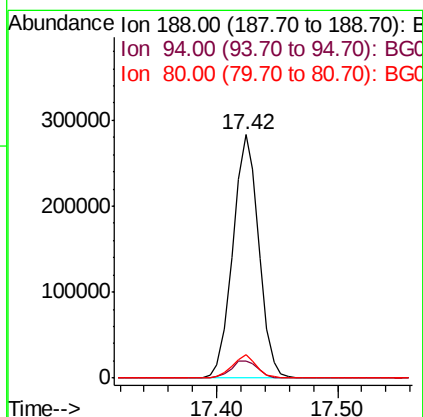
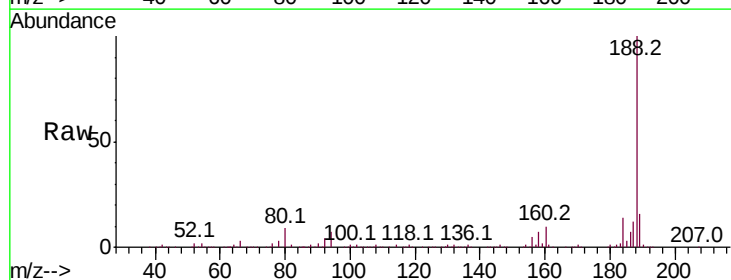
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.2  | 31.3  | 46.9  |
| 170 | 25.1  | 21.0  | 31.6  |

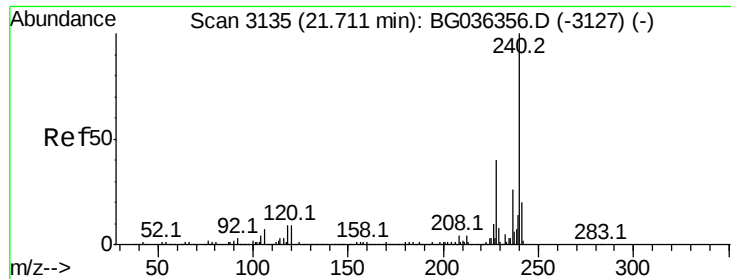


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2406  
 Delta R.T. -0.01 min  
 Lab File: BG036545.D  
 Acq: 5 Sep 2018 00:59

Tgt Ion:188 Resp: 423348  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.2   | 6.7   | 10.1  |
| 80  | 9.4   | 8.1   | 12.1  |





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Instrument :

BNA\_G

ClientSampleId :

SP

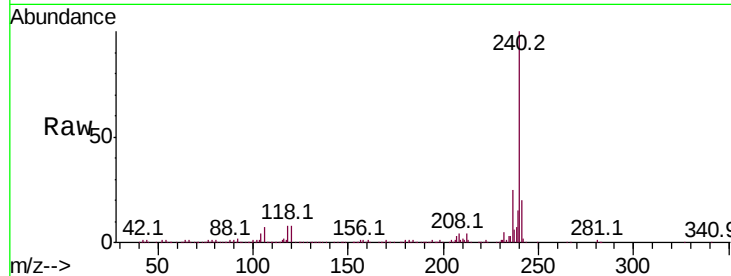
Tot Ion:240 Resp: 462469

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

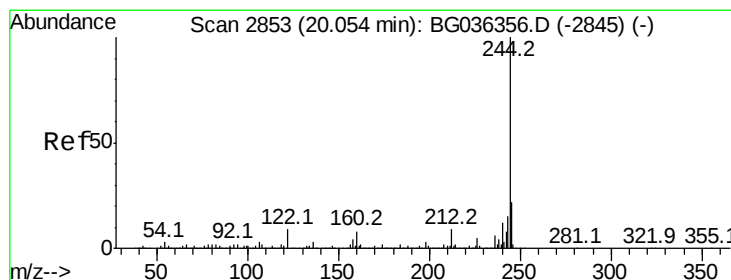
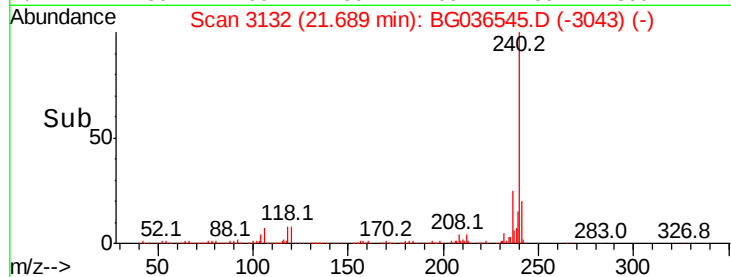
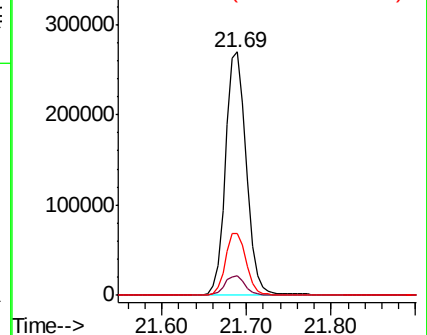
236 25.5 21.2 31.8



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: 96.813 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

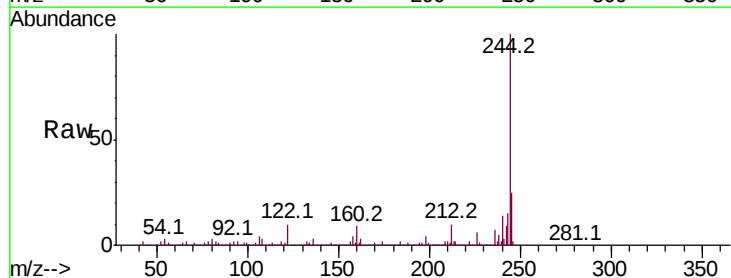
Tgt Ion:244 Resp: 1915559

Ion Ratio Lower Upper

244 100

212 9.6 7.0 10.6

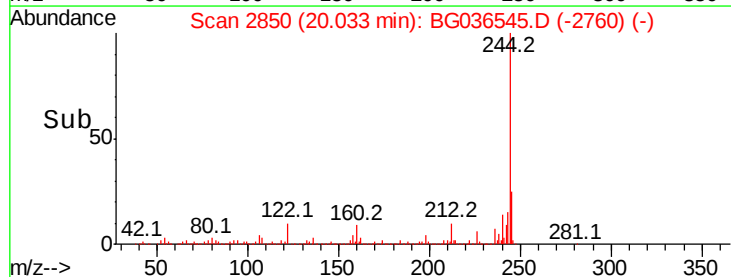
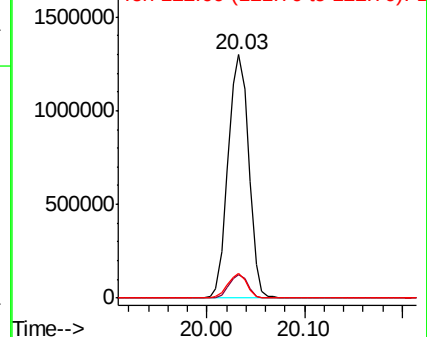
122 10.1 7.1 10.7

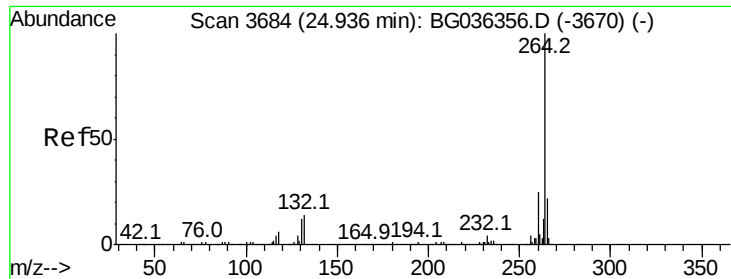


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

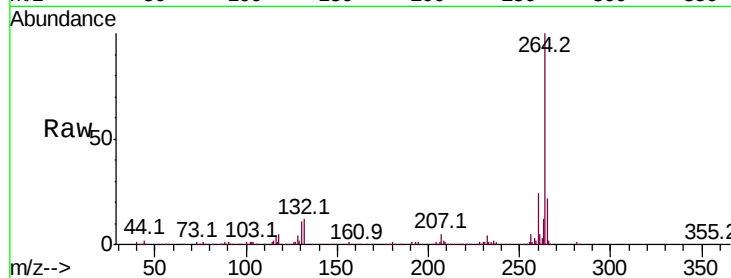




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.90 min Scan# 3678  
Delta R.T. -0.01 min  
Lab File: BG036545.D  
Acq: 5 Sep 2018 00:59

Instrument :  
BNA\_G  
ClientSampleId :  
SP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.6  | 29.4  |
| 265     | 21.9  | 17.4  | 26.0  |



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

