

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\  
 Data File : BG036529.D  
 Acq On : 4 Sep 2018 13:16  
 Operator : JU/SJ  
 Sample : J4712-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-03

Quant Time: Sep 04 14:11:10 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

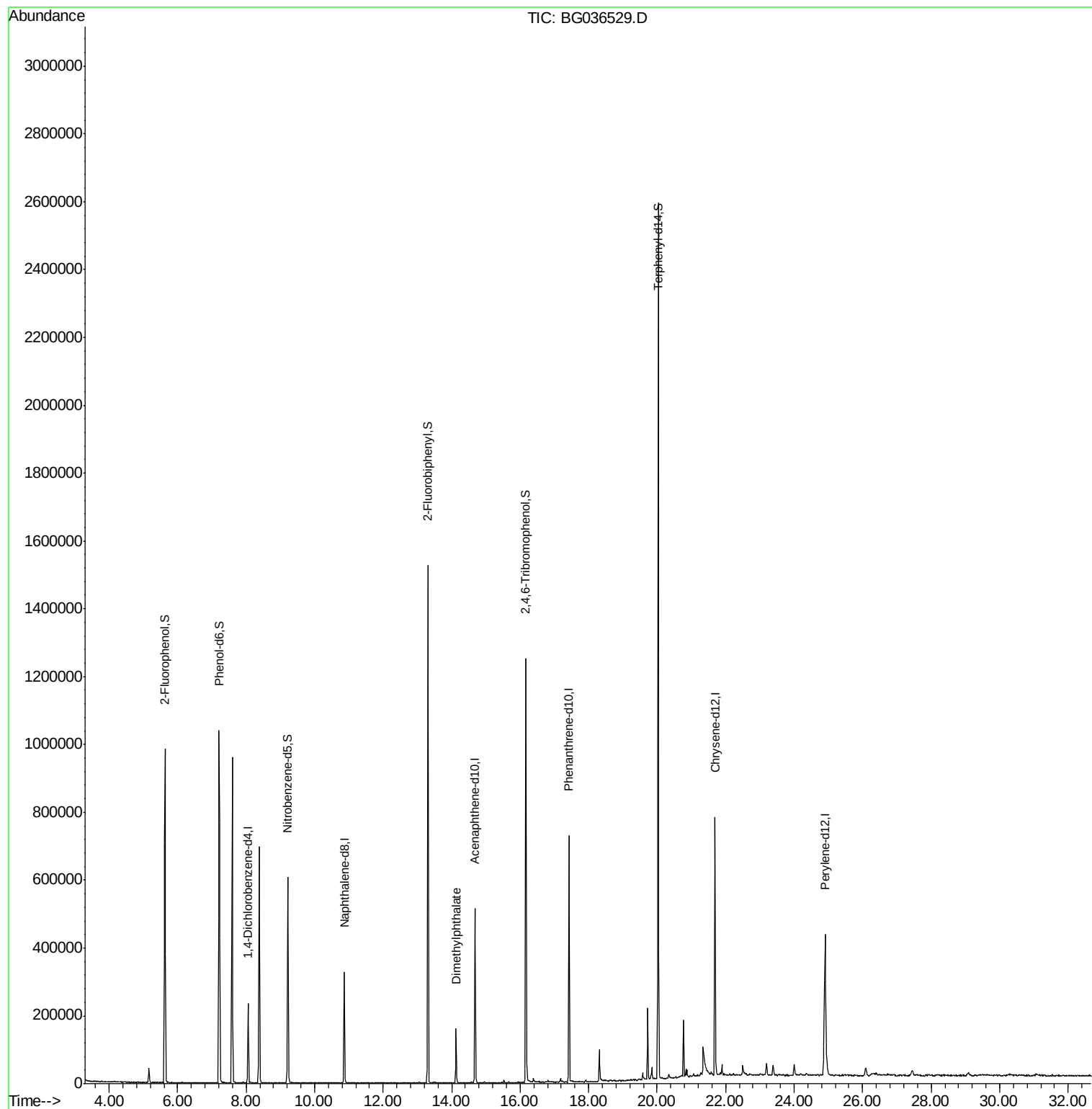
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 67704    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.86 | 136  | 277275   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.68 | 164  | 177540   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.43 | 188  | 453890   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.69 | 240  | 474777   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 24.90 | 264  | 482584   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.63  | 112  | 428886   | 100.49 | ng    | 0.00         |
| 7) Phenol-d6                | 7.21  | 99   | 606182   | 99.20  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 356639   | 69.79  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 239657   | 113.13 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 786165   | 63.23  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.03 | 244  | 1238063  | 60.95  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.13 | 163  | 108727   | 7.500  | ng    | Qvalue<br>99 |

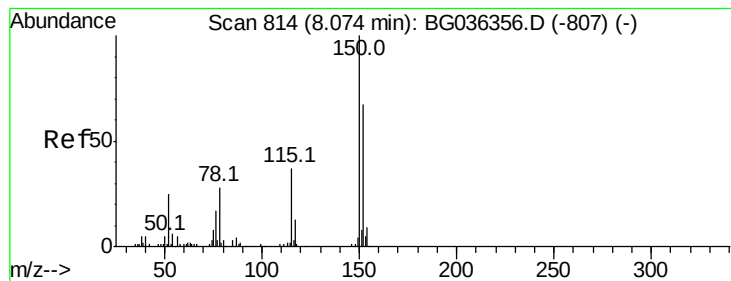
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



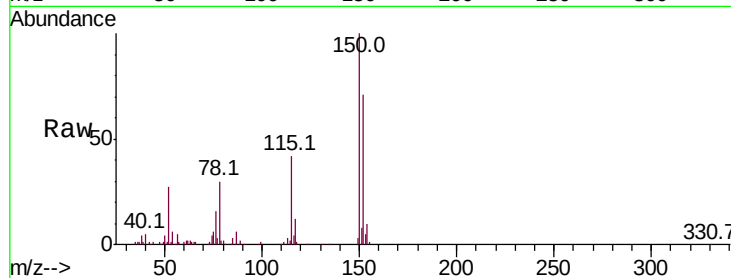


#1

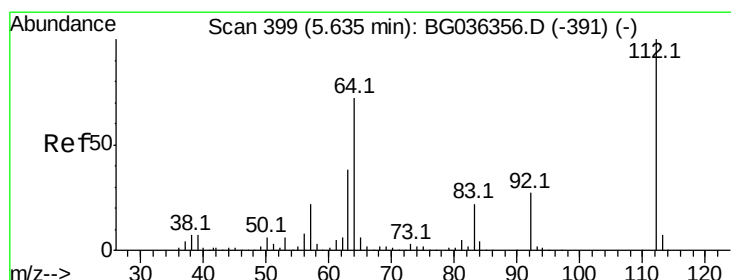
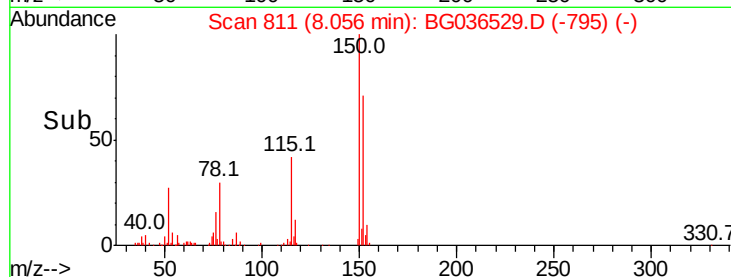
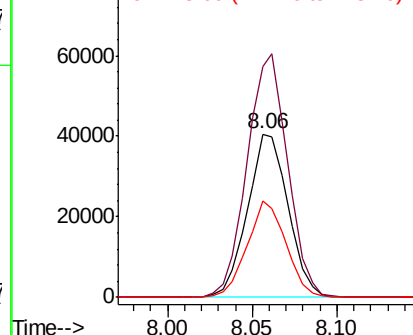
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BG036529.D  
Acq: 4 Sep 2018 13:16

Instrument :  
BNA\_G  
ClientSampleId :  
SB-03

Tot Ion:152 Resp: 67704  
Ion Ratio Lower Upper  
152 100  
150 141.5 119.5 179.3  
115 58.8 44.5 66.7



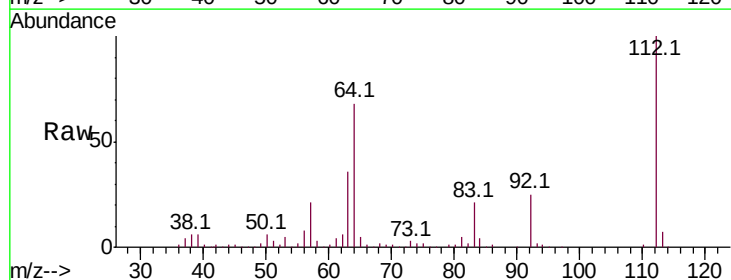
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



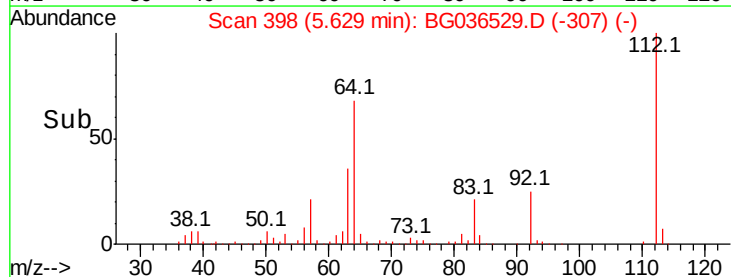
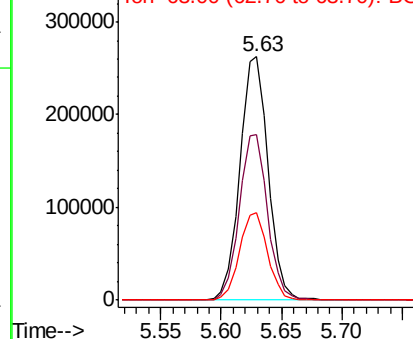
#5

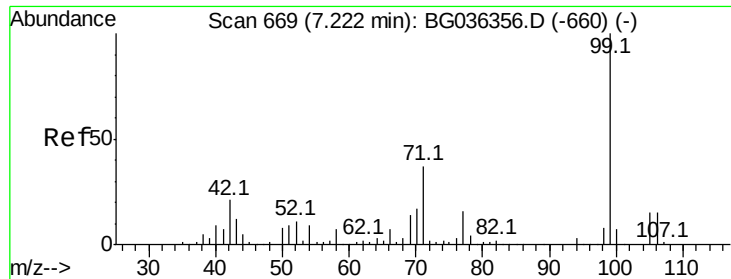
2-Fluorophenol  
Concen: 100.487 ng  
RT: 5.63 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BG036529.D  
Acq: 4 Sep 2018 13:16

Tgt Ion:112 Resp: 428886  
Ion Ratio Lower Upper  
112 100  
64 68.1 57.2 85.8  
63 36.1 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: 99.198 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036529.D

Acq: 4 Sep 2018 13:16

Instrument :

BNA\_G

ClientSampleId :

SB-03

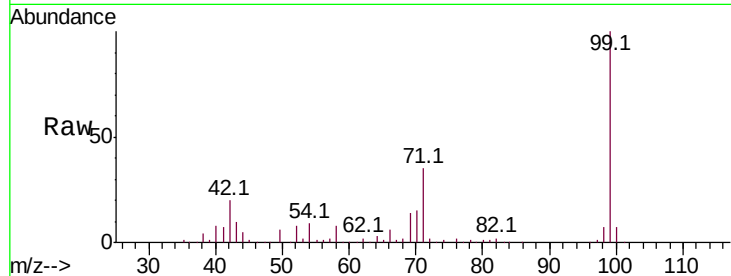
Tot Ion: 99 Resp: 606182

Ion Ratio Lower Upper

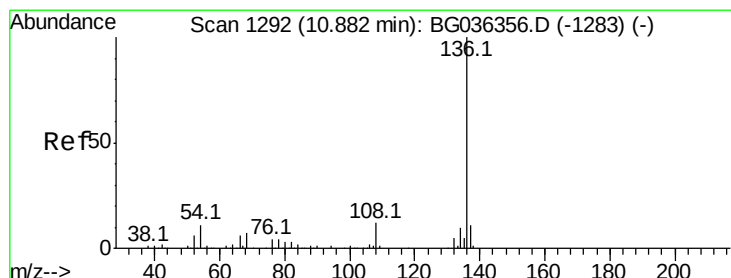
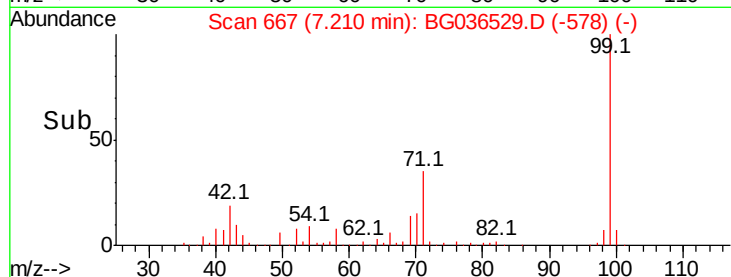
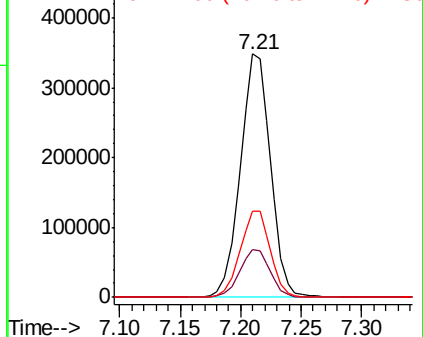
99 100

42 19.5 16.5 24.7

71 35.2 29.4 44.2



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: 10.86 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG036529.D

Acq: 4 Sep 2018 13:16

Tgt Ion: 136 Resp: 277275

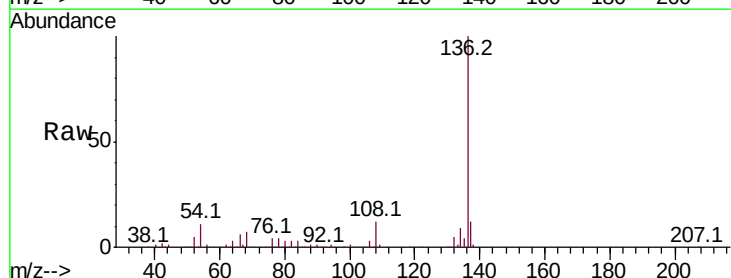
Ion Ratio Lower Upper

136 100

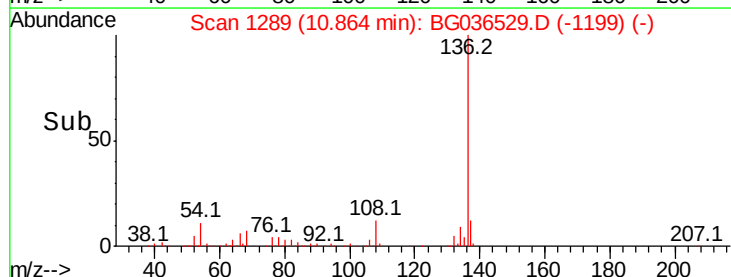
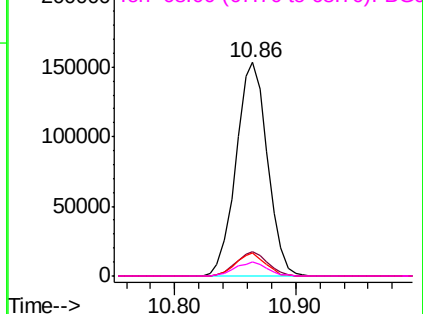
137 11.6 8.8 13.2

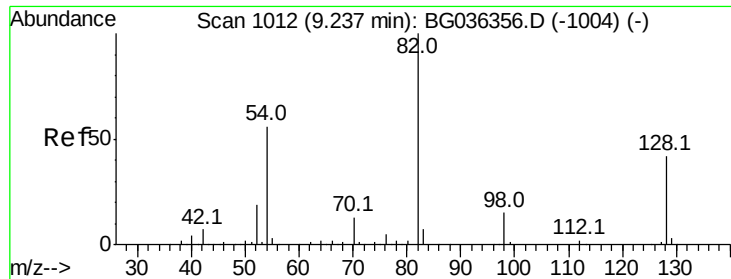
54 10.5 9.2 13.8

68 6.8 5.8 8.6



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

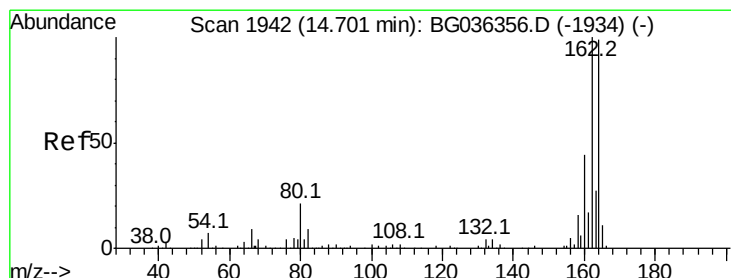
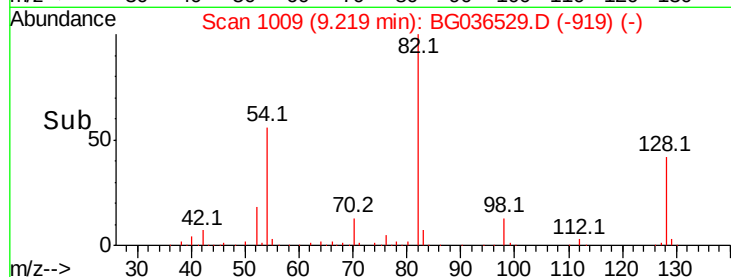
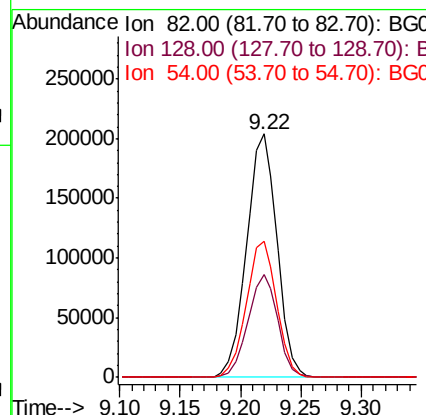
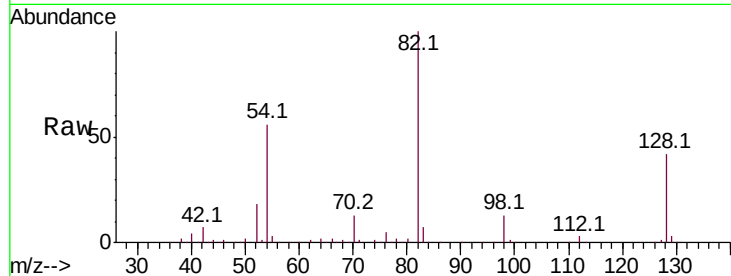




#23  
 Nitrobenzene-d5  
 Concen: 69.787 ng  
 RT: 9.22 min Scan# 1009  
 Delta R.T. -0.00 min  
 Lab File: BG036529.D  
 Acq: 4 Sep 2018 13:16

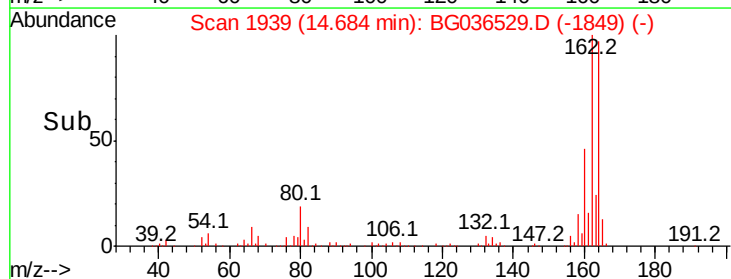
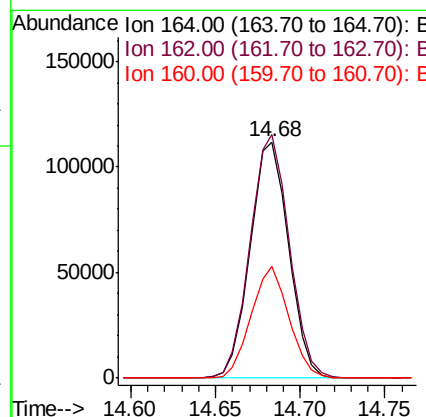
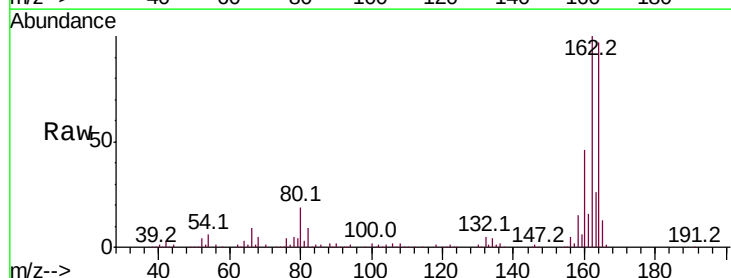
Instrument :  
 BNA\_G  
 ClientSampled :  
 SB-03

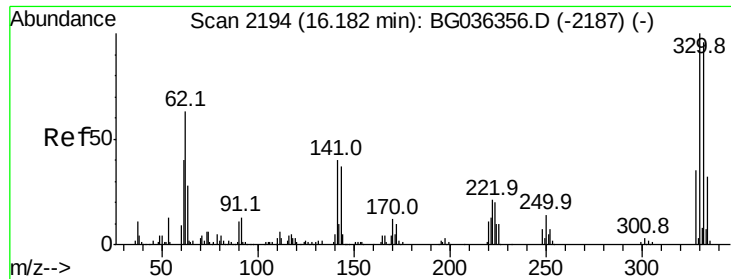
| Tot Ion   | 82   | Resp  | 356639 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.2 | 33.3  | 49.9   |
| 54        | 55.7 | 45.1  | 67.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: BG036529.D  
 Acq: 4 Sep 2018 13:16

| Tgt Ion   | 164   | Resp  | 177540 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.9 | 80.7  | 121.1  |
| 160       | 47.4  | 35.3  | 52.9   |

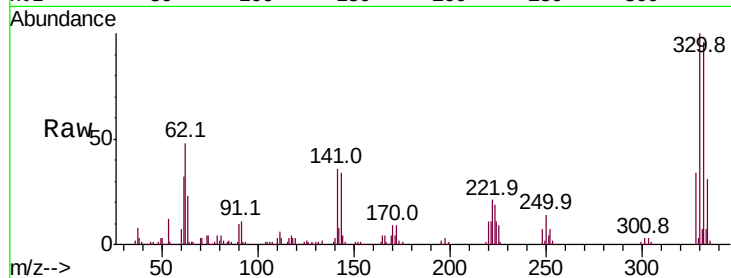




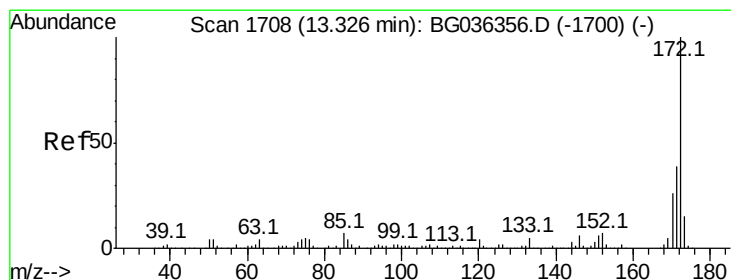
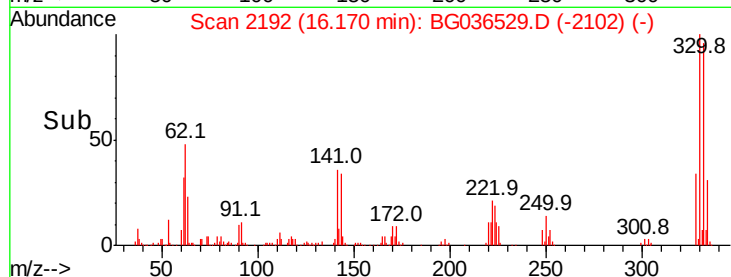
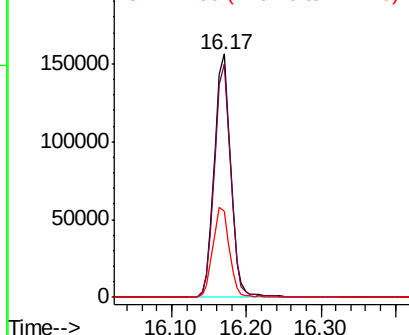
#41  
 2,4,6-Tribromophenol  
 Concen: 113.129 ng  
 RT: 16.17 min Scan# 2192  
 Delta R.T. -0.00 min  
 Lab File: BG036529.D  
 Acq: 4 Sep 2018 13:16

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 75.4  | 113.2 |
| 141     | 37.3  | 30.7  | 46.1  |

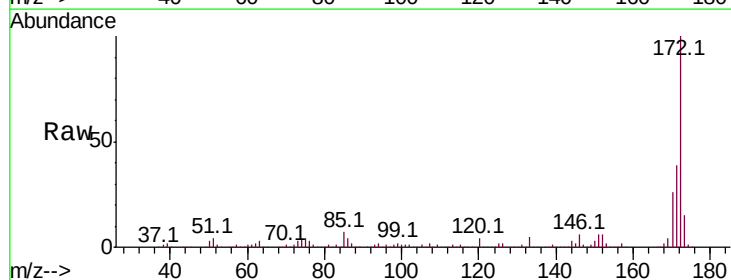


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

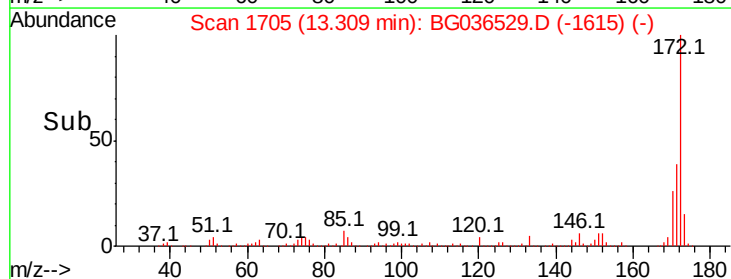
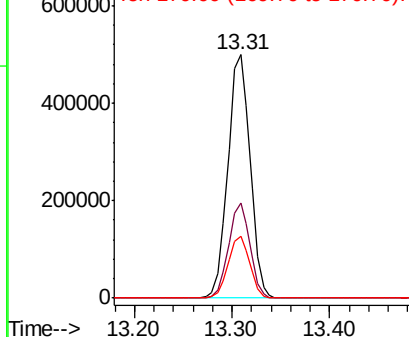


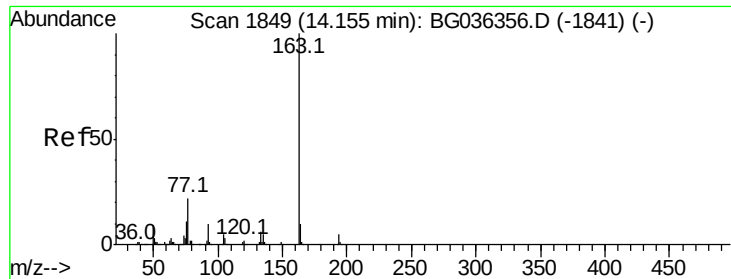
#44  
 2-Fluorobiphenyl  
 Concen: 63.225 ng  
 RT: 13.31 min Scan# 1705  
 Delta R.T. -0.00 min  
 Lab File: BG036529.D  
 Acq: 4 Sep 2018 13:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 31.3  | 46.9  |
| 170     | 25.6  | 21.0  | 31.6  |



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: 7.500 ng

RT: 14.13 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BG036529.D

Acq: 4 Sep 2018 13:16

Instrument :

BNA\_G

ClientSampleId :

SB-03

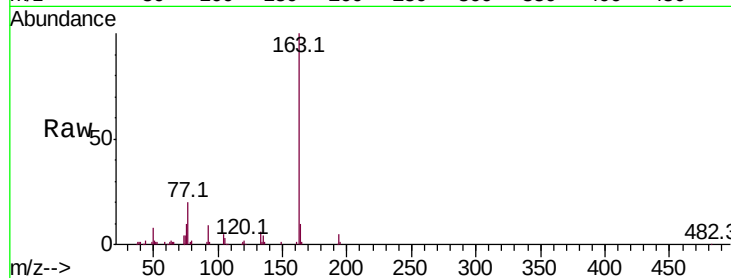
Tot Ion:163 Resp: 108727

Ion Ratio Lower Upper

163 100

194 5.4 4.0 6.0

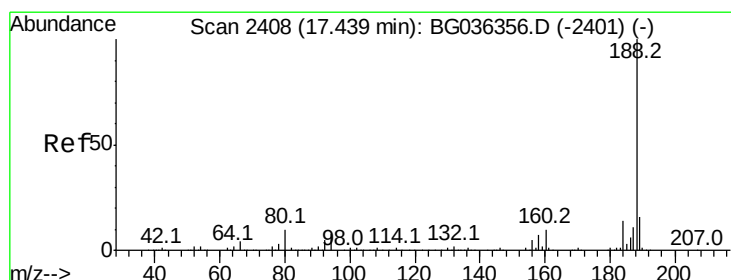
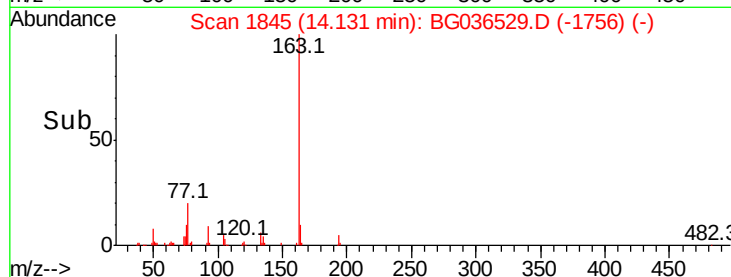
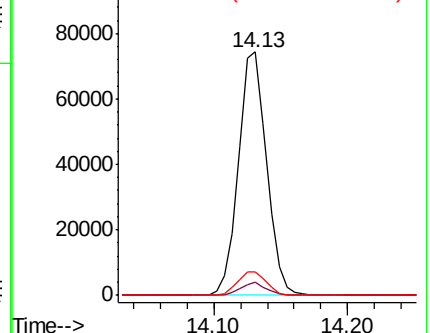
164 9.5 8.1 12.1



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# 2406

Delta R.T. -0.00 min

Lab File: BG036529.D

Acq: 4 Sep 2018 13:16

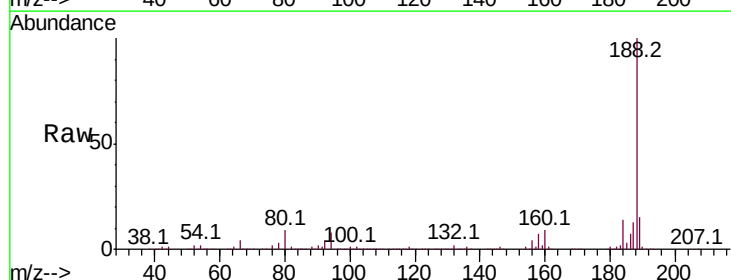
Tgt Ion:188 Resp: 453890

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

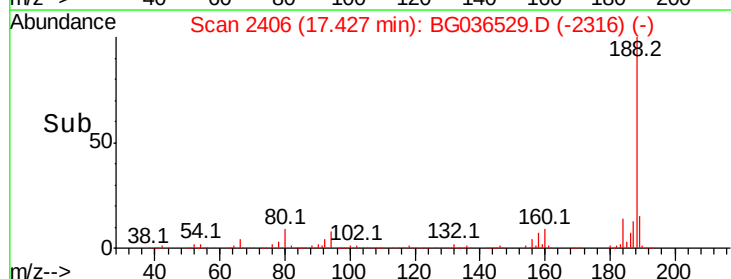
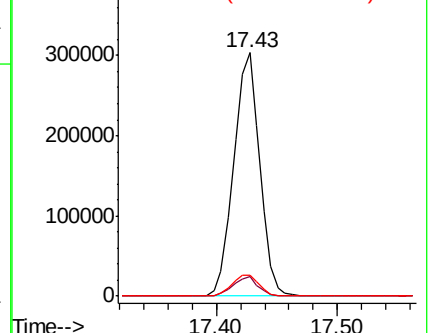
80 8.6 8.1 12.1

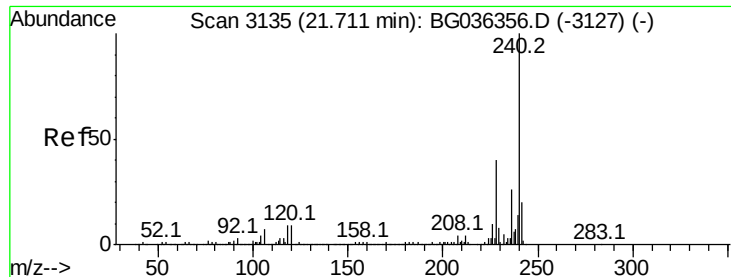


Abundance Ion 188.00 (187.70 to 188.70): E

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# 3132

Delta R.T. -0.00 min

Lab File: BG036529.D

Acq: 4 Sep 2018 13:16

Instrument :

BNA\_G

ClientSampleId :

SB-03

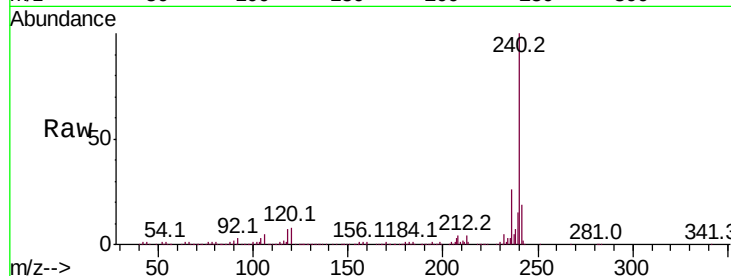
Tot Ion:240 Resp: 474777

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

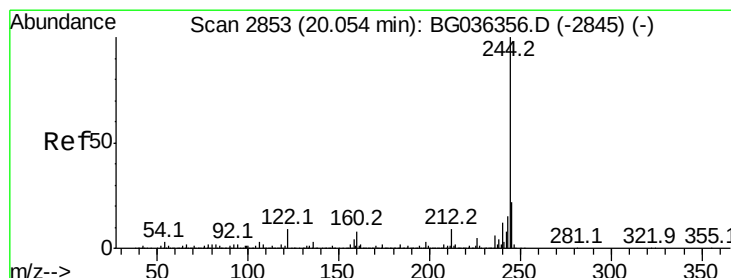
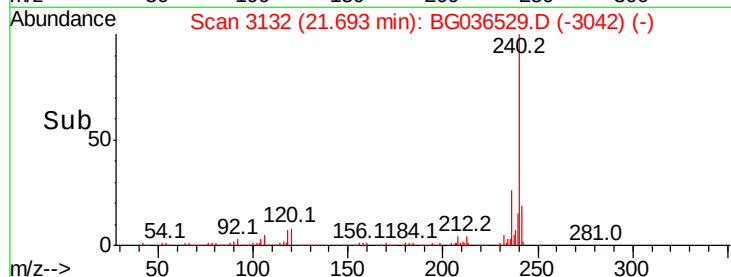
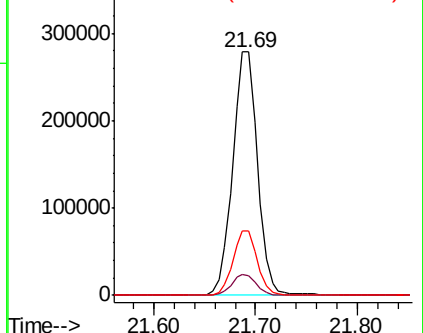
236 26.3 21.2 31.8



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: 60.950 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036529.D

Acq: 4 Sep 2018 13:16

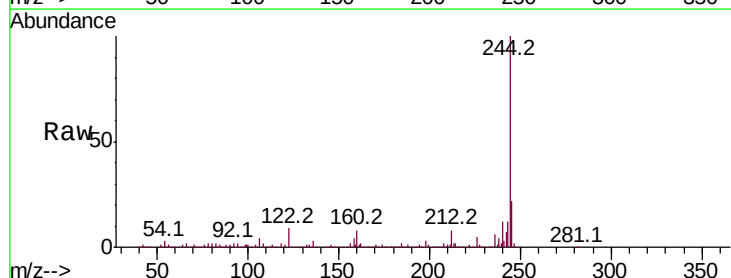
Tgt Ion:244 Resp: 1238063

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

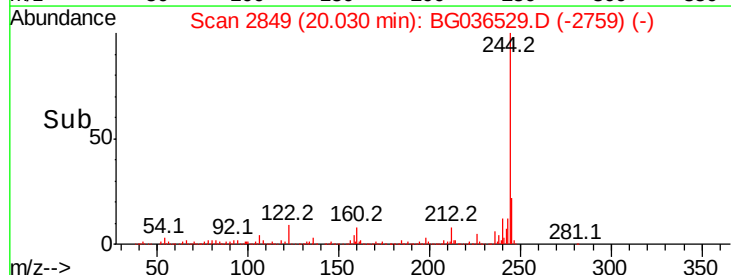
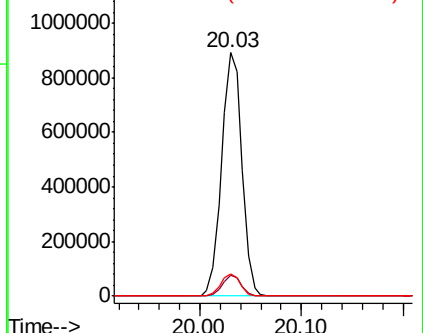
122 8.9 7.1 10.7



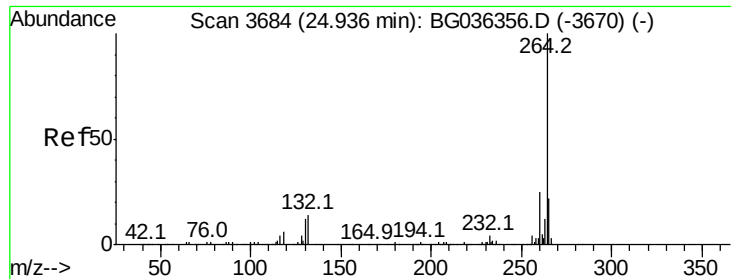
Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.00 min  
Lab File: BG036529.D  
Acq: 4 Sep 2018 13:16

Instrument :  
BNA\_G  
ClientSampleId :  
SB-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.6  | 29.4  |
| 265     | 21.6  | 17.4  | 26.0  |

