

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\  
 Data File : BG036787.D  
 Acq On : 18 Sep 2018 15:53  
 Operator : JU/SJ  
 Sample : J4940-04  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-1

Quant Time: Sep 18 16:55:48 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

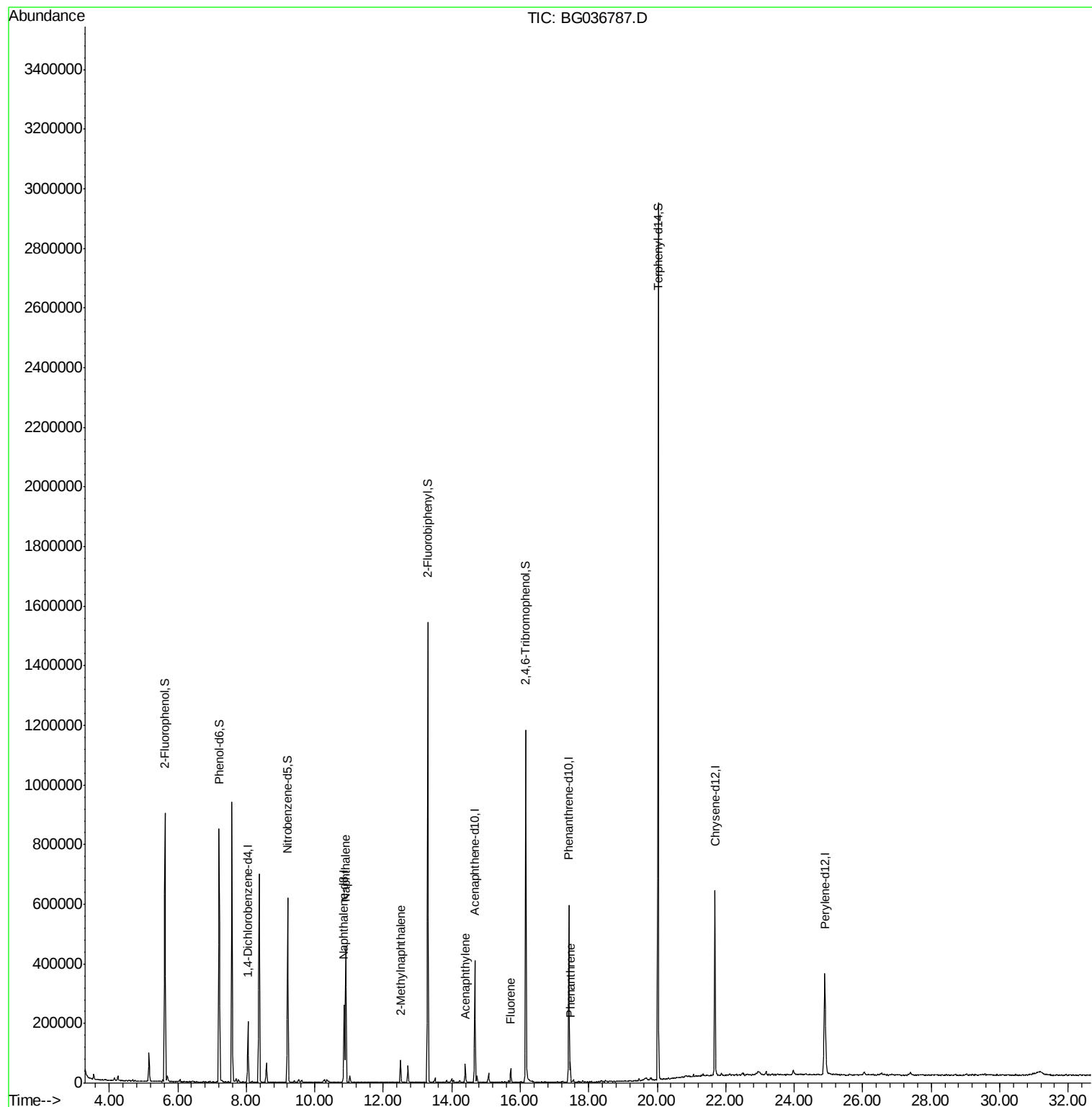
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 56879    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.85 | 136  | 225280   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 140570   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 363112   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.68 | 240  | 382850   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.89 | 264  | 373042   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 387197   | 107.99 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 483793   | 94.24  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 364049   | 87.68  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 228295   | 136.11 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 801736   | 81.44  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1391307  | 84.94  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 10.90 | 128  | 383593   | 34.062 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 12.51 | 142  | 36653    | 4.448  | ng    | 92       |
| 48) Acenaphthylene          | 14.40 | 152  | 44346    | 3.185  | ng    | 99       |
| 57) Fluorene                | 15.72 | 166  | 20977    | 2.009  | ng    | 92       |
| 70) Phenanthrene            | 17.46 | 178  | 42672    | 2.313  | ng    | 96       |

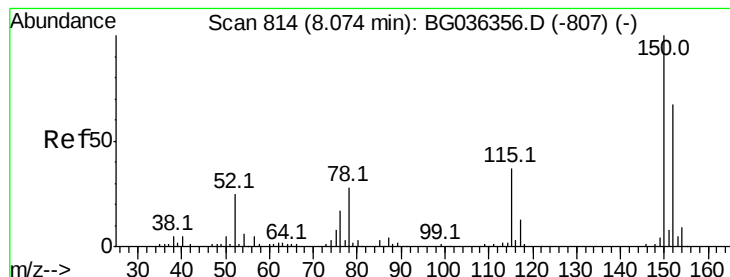
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\  
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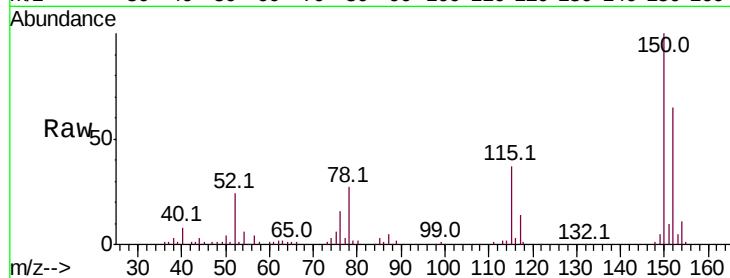


#1

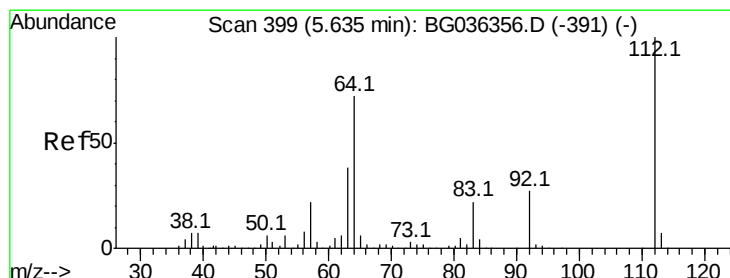
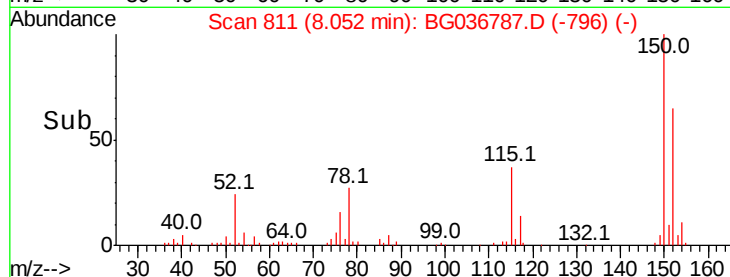
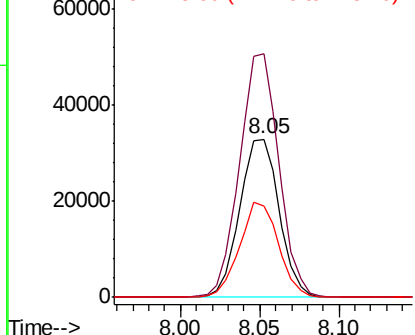
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

Tot Ion:152 Resp: 56879  
Ion Ratio Lower Upper  
152 100  
150 154.1 119.5 179.3  
115 57.7 44.5 66.7



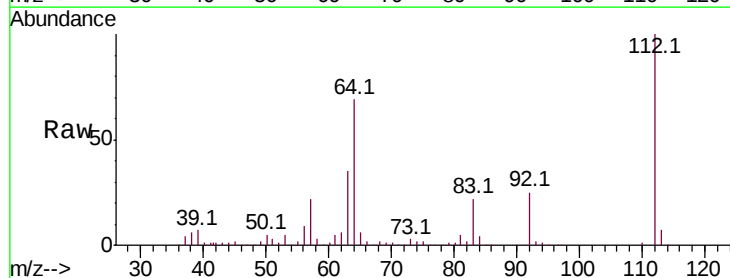
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



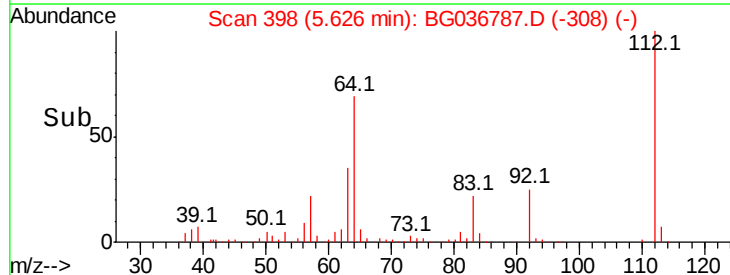
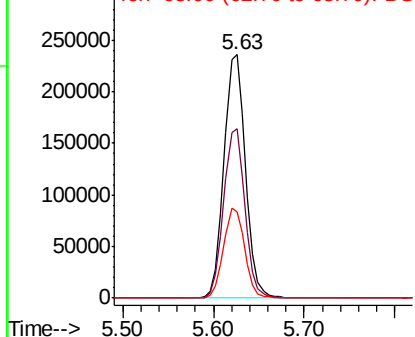
#5

2-Fluorophenol  
Concen: 107.985 ng  
RT: 5.63 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

Tgt Ion:112 Resp: 387197  
Ion Ratio Lower Upper  
112 100  
64 69.4 57.2 85.8  
63 35.3 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: 94.237 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Instrument :

BNA\_G

ClientSampleId :

COMP-1

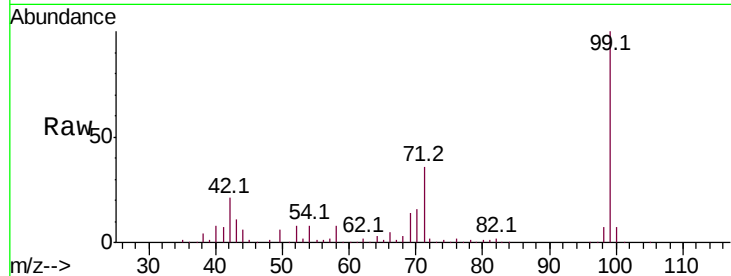
Tot Ion: 99 Resp: 483793

Ion Ratio Lower Upper

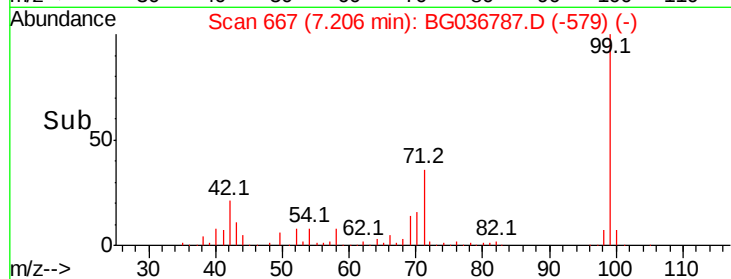
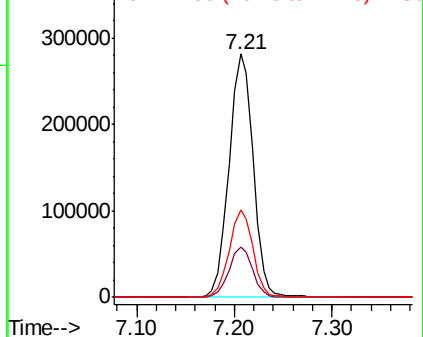
99 100

42 20.6 16.5 24.7

71 36.2 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: 10.85 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Tgt Ion: 136 Resp: 225280

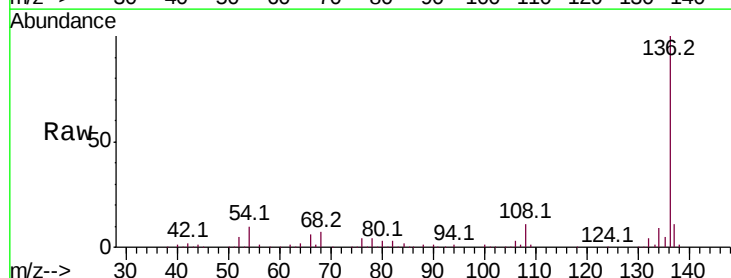
Ion Ratio Lower Upper

136 100

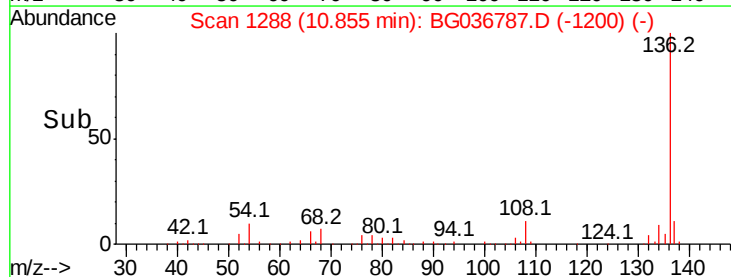
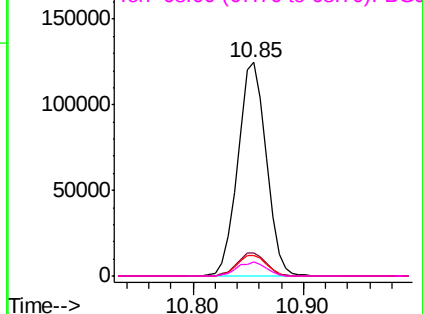
137 11.0 8.8 13.2

54 9.7 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

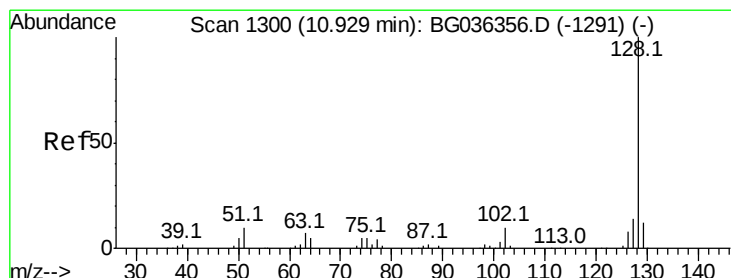
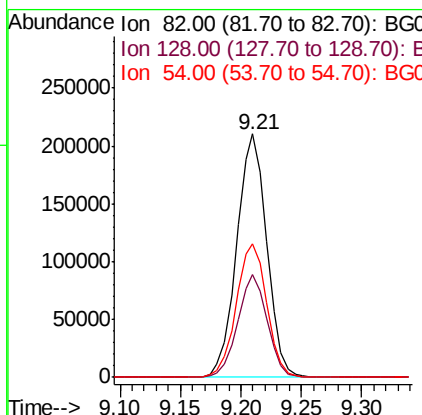
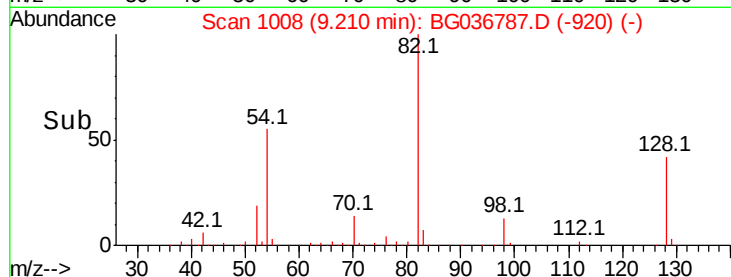
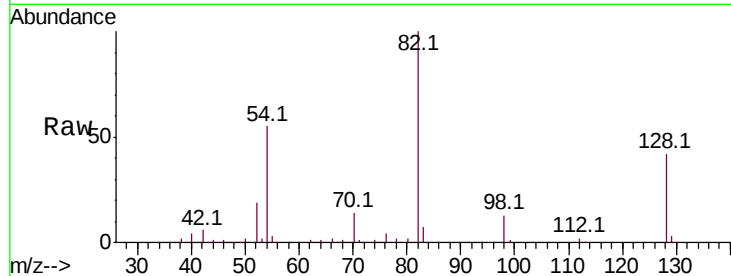




#23  
Nitrobenzene-d5  
Concen: 87.678 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

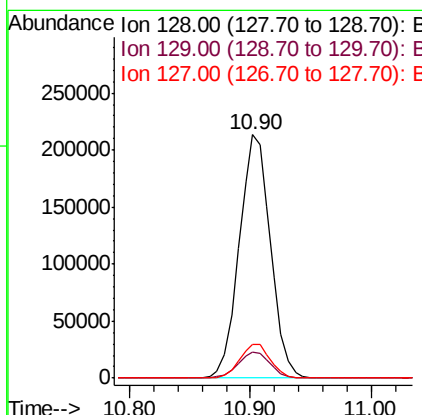
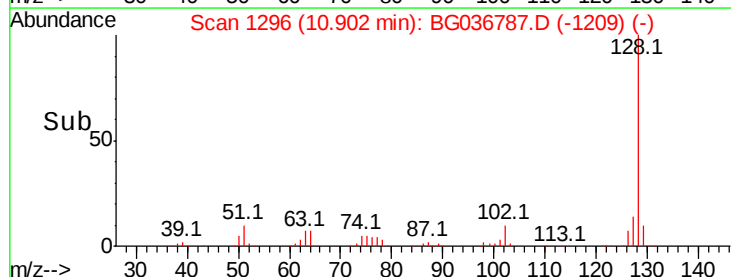
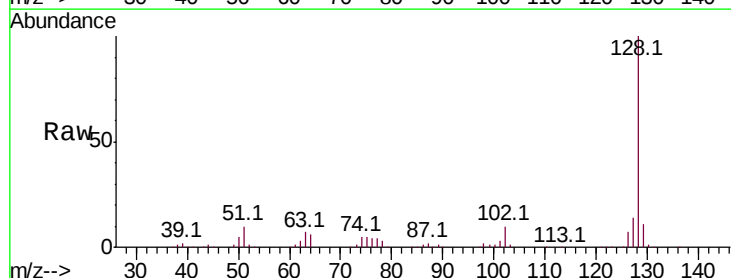
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

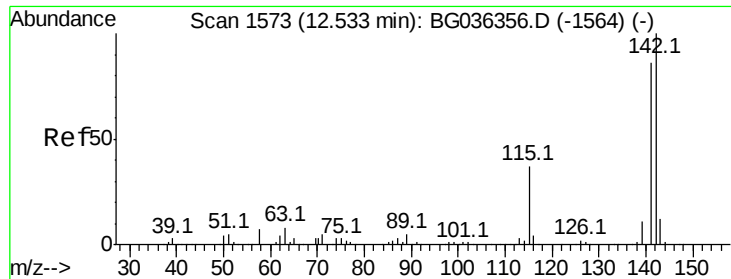
Tot Ion: 82 Resp: 364049  
Ion Ratio Lower Upper  
82 100  
128 42.1 33.3 49.9  
54 55.0 45.1 67.7



#31  
Naphthalene  
Concen: 34.062 ng  
RT: 10.90 min Scan# 1296  
Delta R.T. -0.02 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

Tgt Ion: 128 Resp: 383593  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.4 14.2  
127 13.9 11.0 16.4

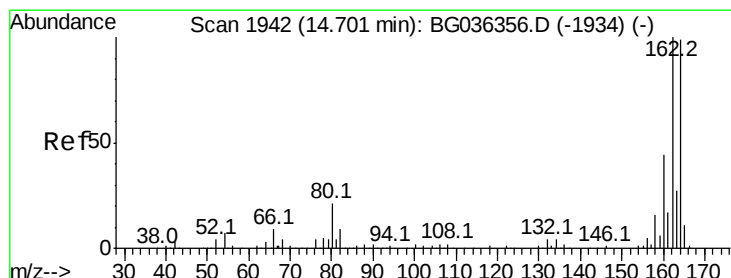
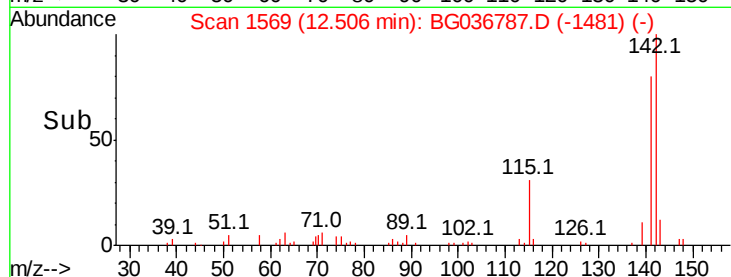
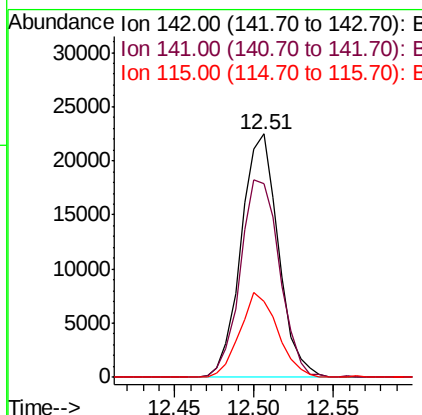
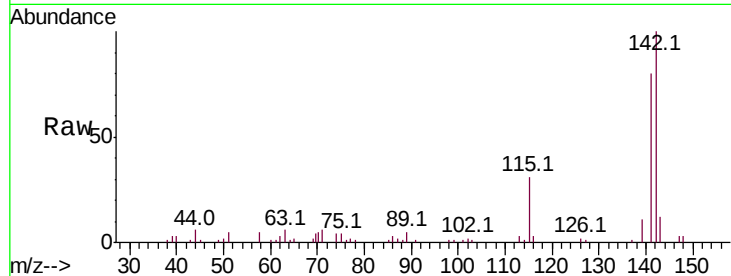




#37  
2-Methylnaphthalene  
Concen: 4.448 ng  
RT: 12.51 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

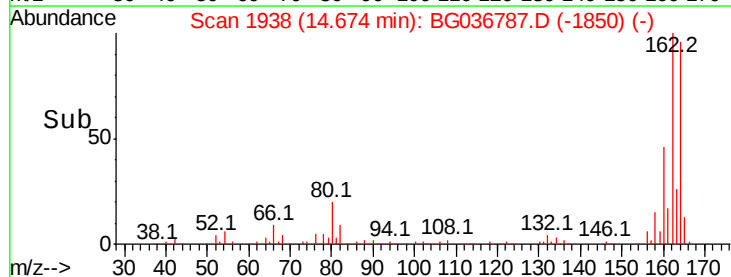
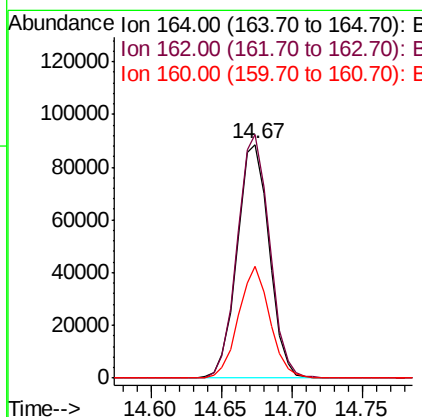
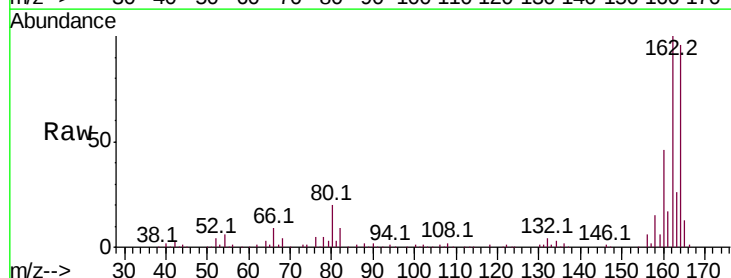
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

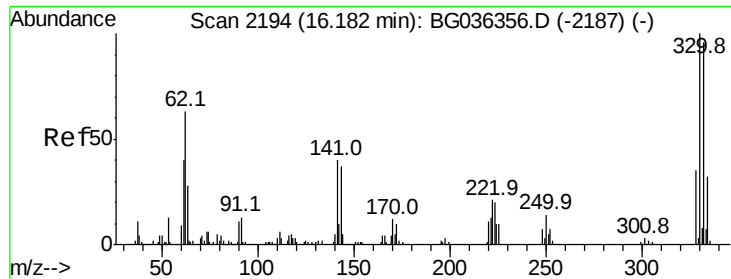
Tot Ion:142 Resp: 36653  
Ion Ratio Lower Upper  
142 100  
141 79.7 68.5 102.7  
115 31.0 29.8 44.8



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1938  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

Tgt Ion:164 Resp: 140570  
Ion Ratio Lower Upper  
164 100  
162 104.1 80.7 121.1  
160 47.6 35.3 52.9

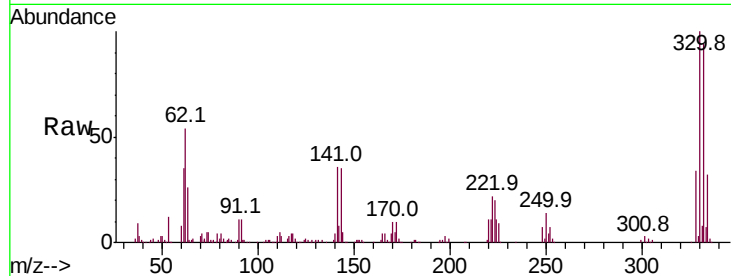




#41  
 2,4,6-Tribromophenol  
 Concen: 136.107 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036787.D  
 Acq: 18 Sep 2018 15:53

Instrument :  
 BNA\_G  
 ClientSampled :  
 COMP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 75.4  | 113.2 |
| 141     | 36.9  | 30.7  | 46.1  |

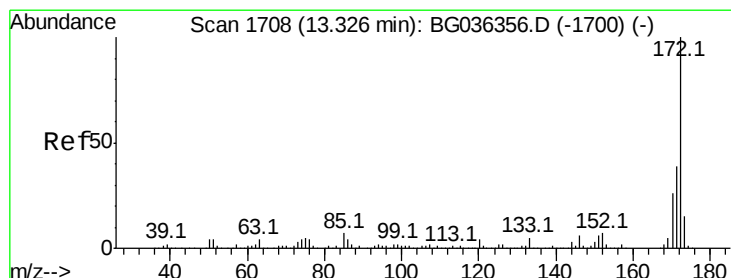
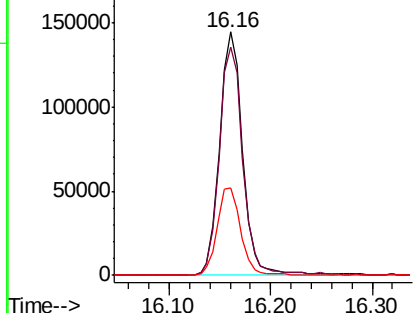
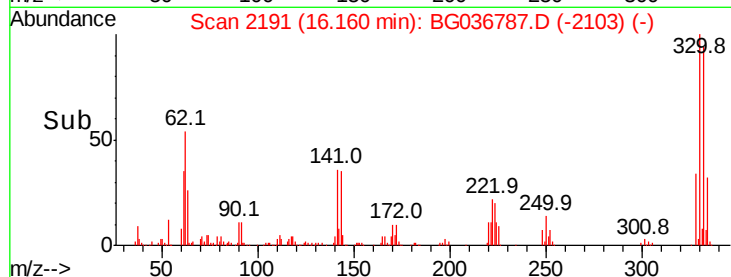


Abundance

Ion 329.80 (329.50 to 330.50): E

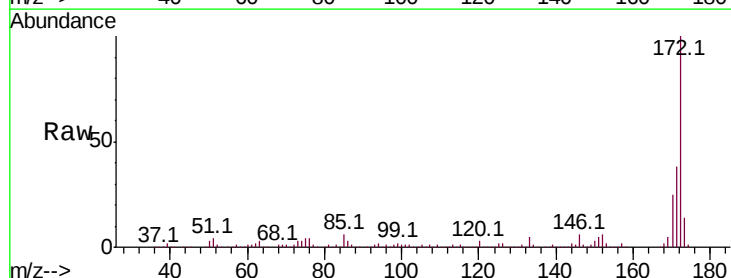
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 81.435 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036787.D  
 Acq: 18 Sep 2018 15:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 31.3  | 46.9  |
| 170     | 24.7  | 21.0  | 31.6  |

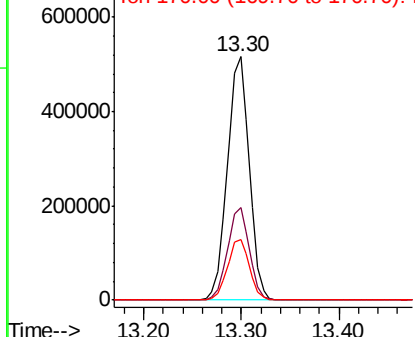
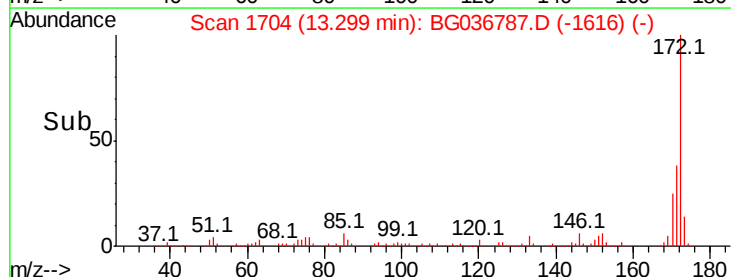


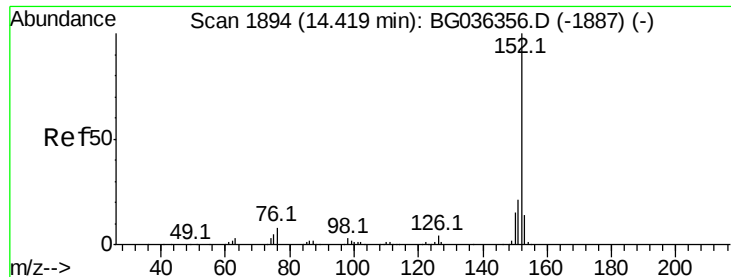
Abundance

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





#48

Acenaphthylene

Concen: 3.185 ng

RT: 14.40 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Instrument :

BNA\_G

ClientSampleId :

COMP-1

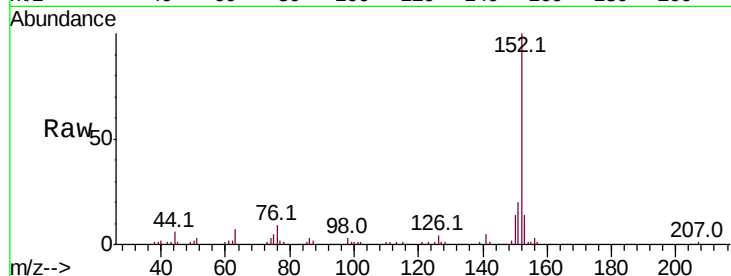
Tot Ion:152 Resp: 44346

Ion Ratio Lower Upper

152 100

151 20.2 16.9 25.3

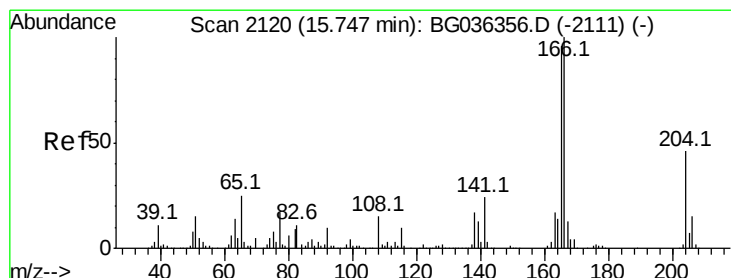
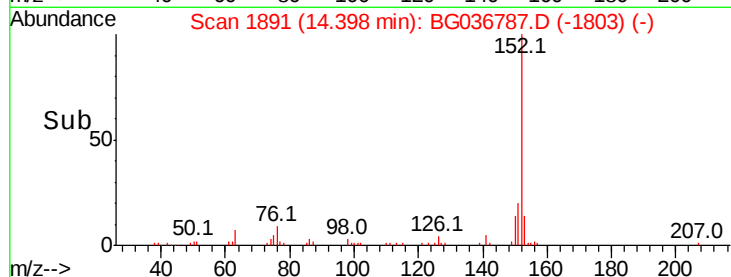
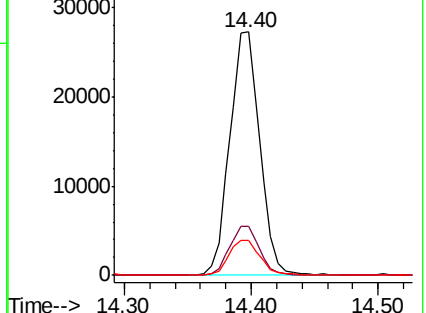
153 14.2 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#57

Fluorene

Concen: 2.009 ng

RT: 15.72 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

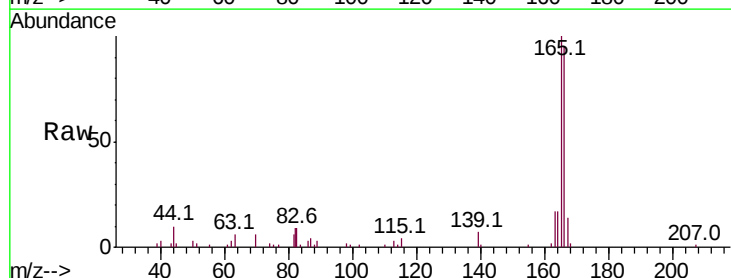
Tgt Ion:166 Resp: 20977

Ion Ratio Lower Upper

166 100

165 104.7 77.0 115.4

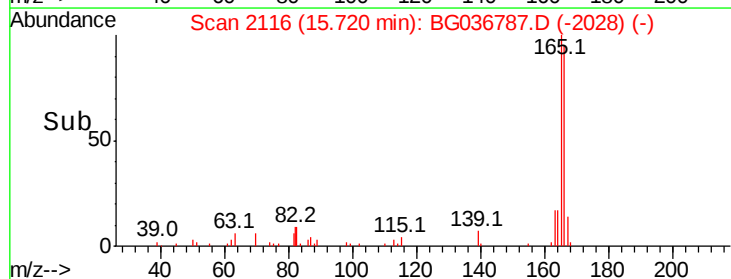
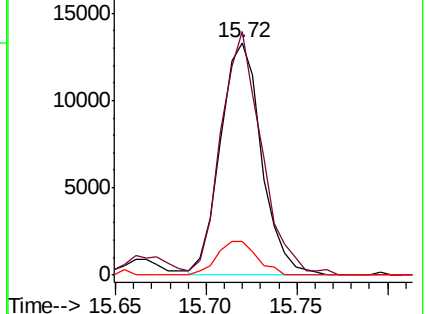
167 14.4 10.6 16.0

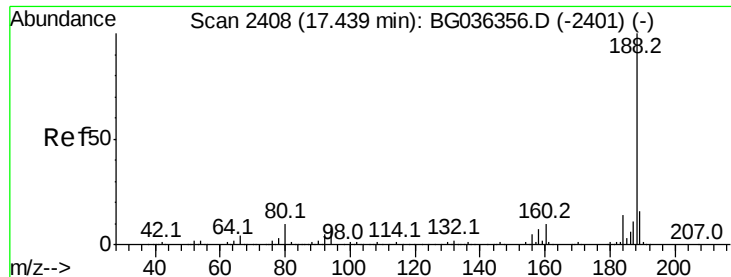


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

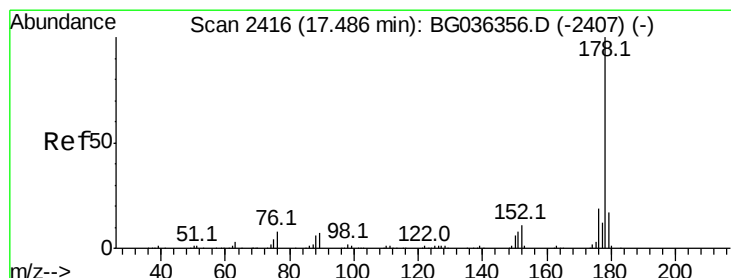
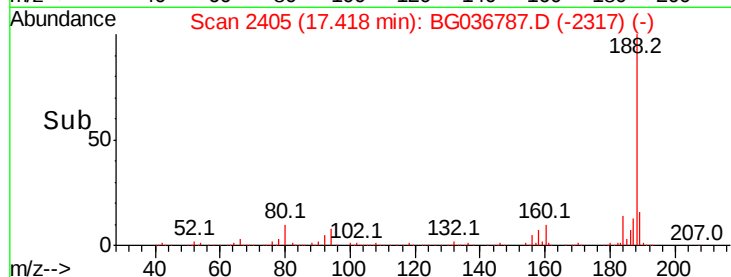
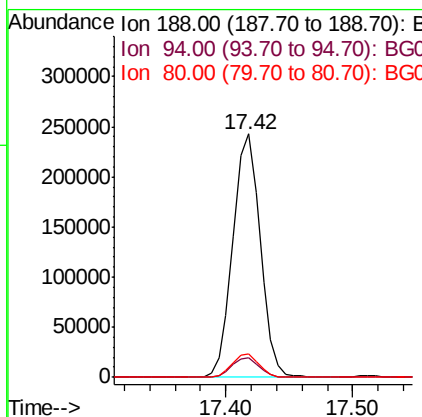
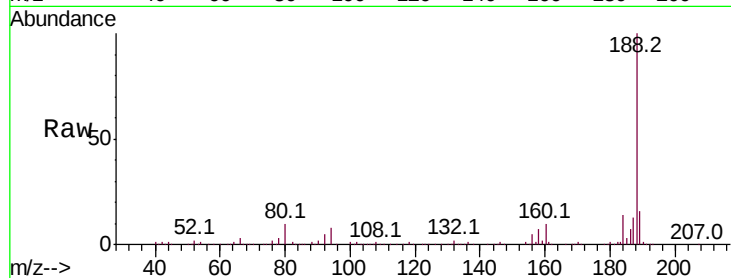




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2405  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

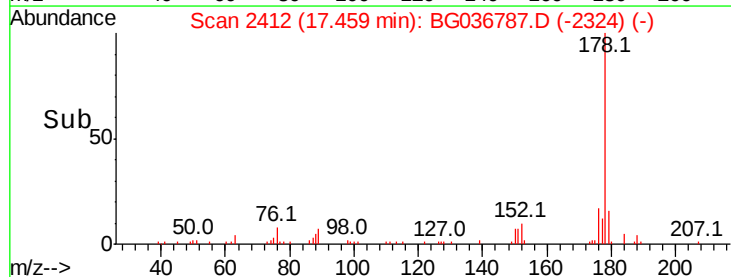
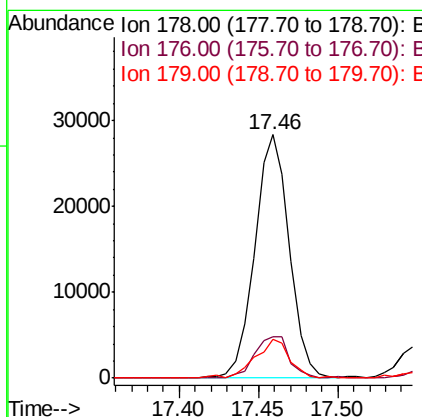
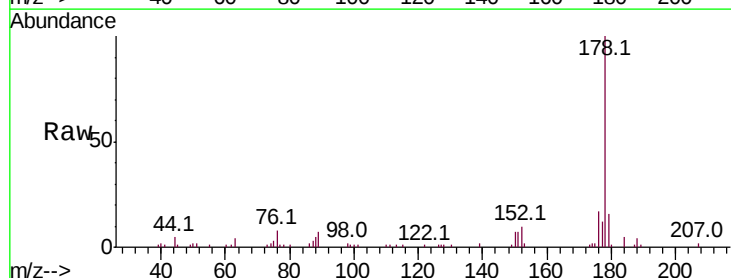
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

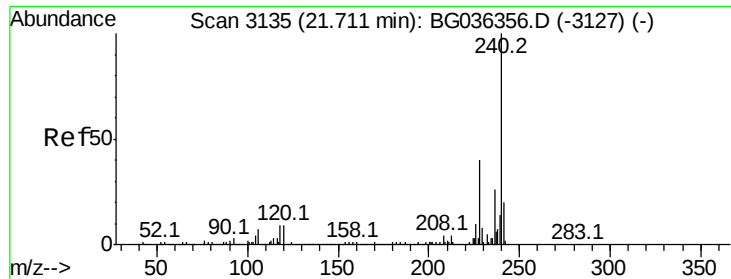
Tot Ion:188 Resp: 363112  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.7 10.1  
80 9.7 8.1 12.1



#70  
Phenanthrene  
Concen: 2.313 ng  
RT: 17.46 min Scan# 2412  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

Tgt Ion:178 Resp: 42672  
Ion Ratio Lower Upper  
178 100  
176 16.8 15.4 23.2  
179 15.8 13.4 20.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Instrument :

BNA\_G

ClientSampleId :

COMP-1

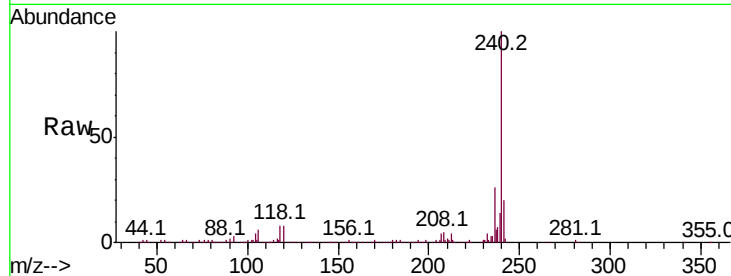
Tot Ion:240 Resp: 382850

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

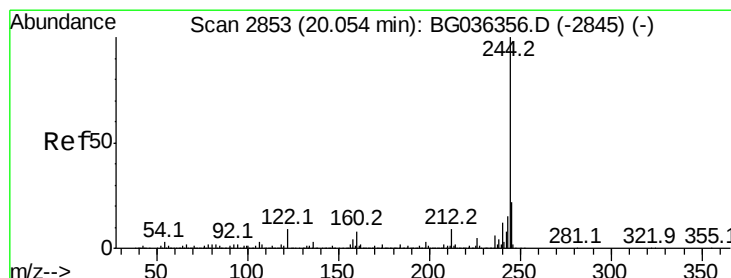
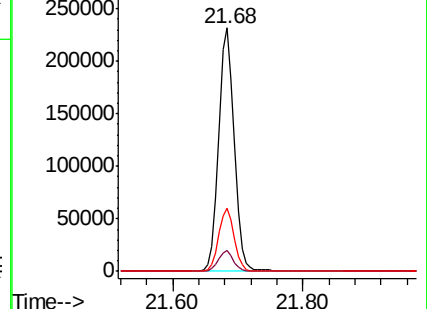
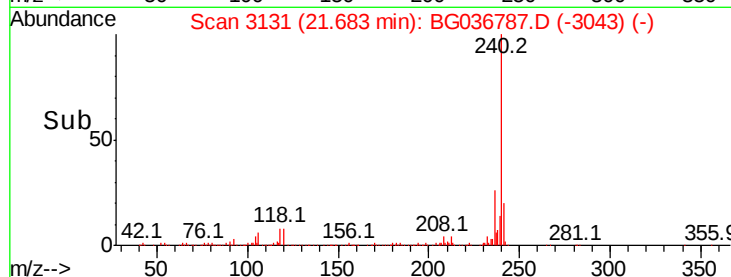
236 26.1 21.2 31.8



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: 84.941 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

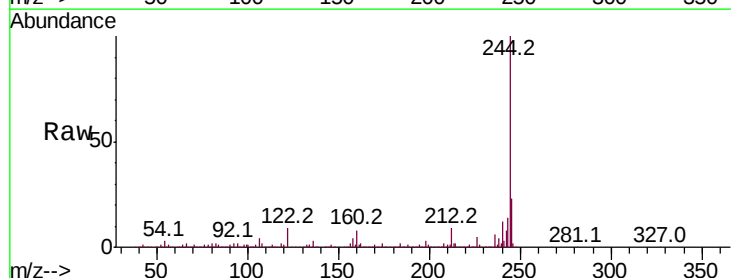
Tgt Ion:244 Resp: 1391307

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

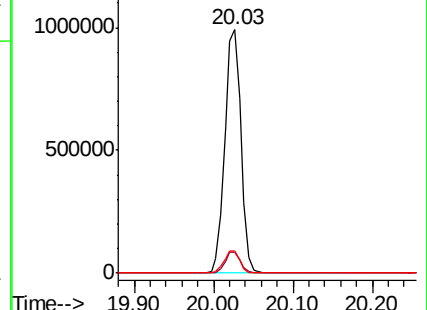
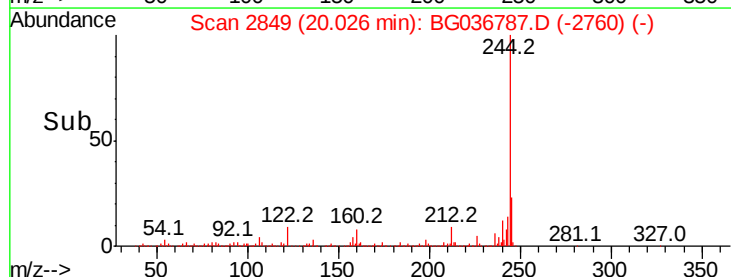
122 9.0 7.1 10.7

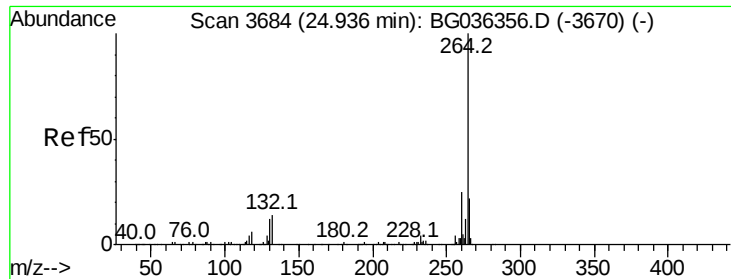


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3677  
Delta R.T. -0.01 min  
Lab File: BG036787.D  
Acq: 18 Sep 2018 15:53

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.6  | 29.4  |
| 265     | 21.0  | 17.4  | 26.0  |

