

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\  
 Data File : BG037941.D  
 Acq On : 12 Nov 2018 12:41  
 Operator : JU/SJ  
 Sample : J5860-25DL 10X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP2-SB-111(17-19)DL

Quant Time: Nov 12 14:33:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

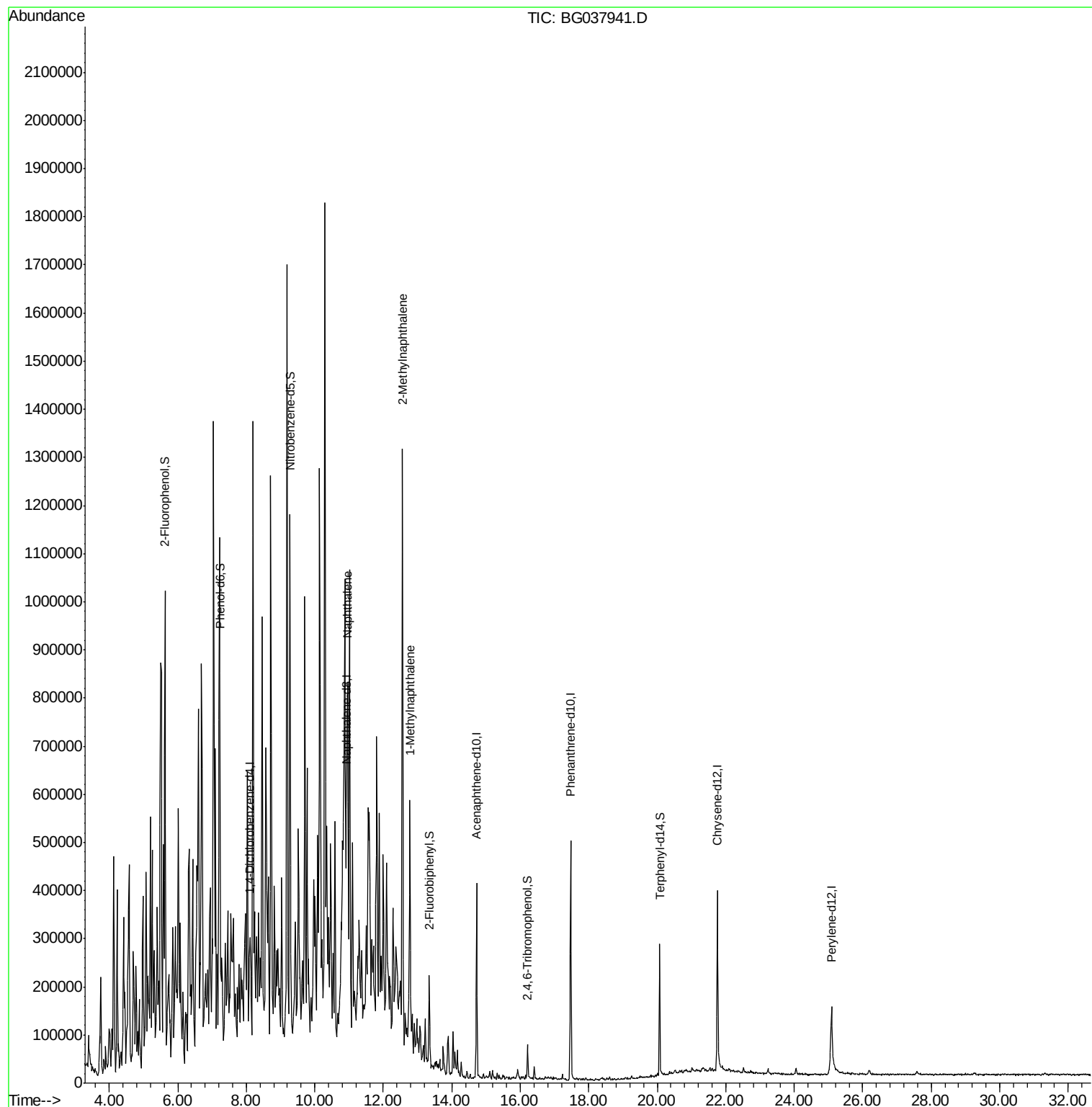
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 51975    | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8          | 10.91 | 136  | 215791   | 20.00  | ng    | -0.02       |
| 39) Acenaphthene-d10        | 14.72 | 164  | 148107   | 20.00  | ng    | -0.02       |
| 64) Phenanthrene-d10        | 17.47 | 188  | 327051   | 20.00  | ng    | -0.01       |
| 76) Chrysene-d12            | 21.75 | 240  | 282689   | 20.00  | ng    | -0.02       |
| 87) Perylene-d12            | 25.09 | 264  | 218575   | 20.00  | ng    | -0.03       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.63  | 112  | 44280    | 14.24  | ng    | -0.01       |
| 7) Phenol-d6                | 7.23  | 99   | 71496    | 15.21  | ng    | -0.02       |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 39628    | 10.29  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 15606    | 9.66   | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 101185   | 10.30  | ng    | -0.02       |
| 79) Terphenyl-d14           | 20.07 | 244  | 148702   | 11.24  | ng    | -0.02       |
| Target Compounds            |       |      |          |        |       |             |
| 31) Naphthalene             | 10.96 | 128  | 139559   | 13.167 | ng    | Qvalue # 82 |
| 37) 2-Methylnaphthalene     | 12.56 | 142  | 643769   | 83.322 | ng    | 98          |
| 38) 1-Methylnaphthalene     | 12.78 | 142  | 258439   | 34.443 | ng    | 98          |

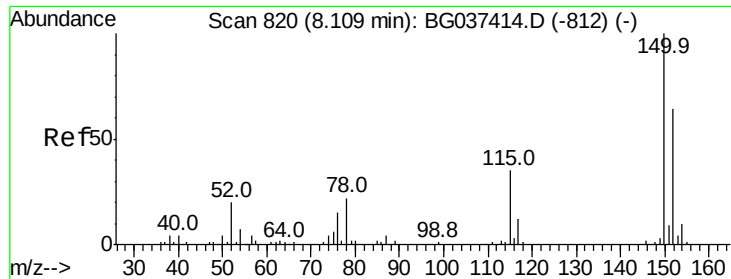
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
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EP2-SB-111(17-19)DL

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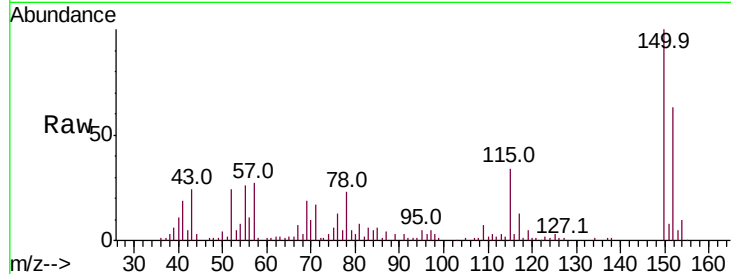


#1

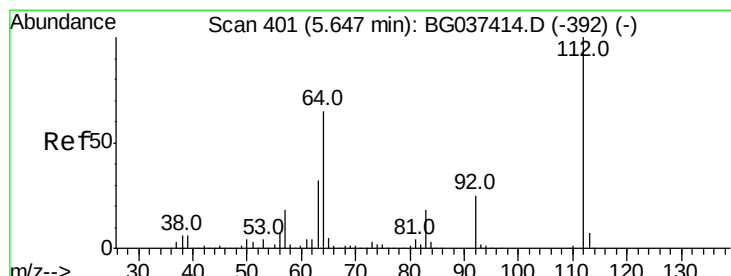
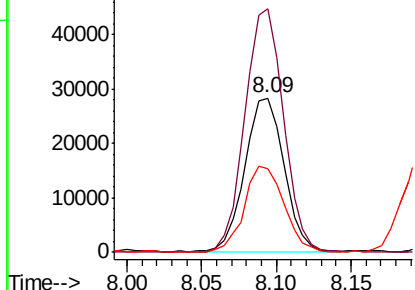
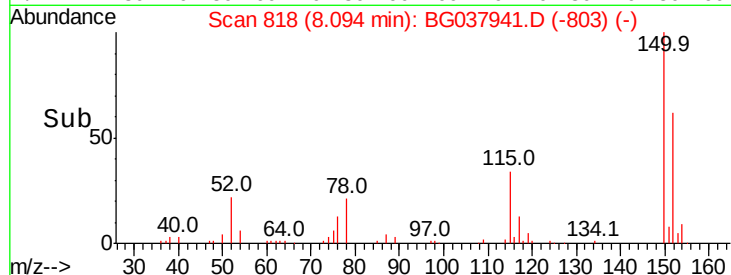
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BG037941.D  
Acq: 12 Nov 2018 12:41

Instrument :  
BNA\_G  
ClientSampleId :  
EP2-SB-111(17-19)DL

Tot Ion:152 Resp: 51975  
Ion Ratio Lower Upper  
152 100  
150 158.0 126.0 189.0  
115 53.9 45.5 68.3



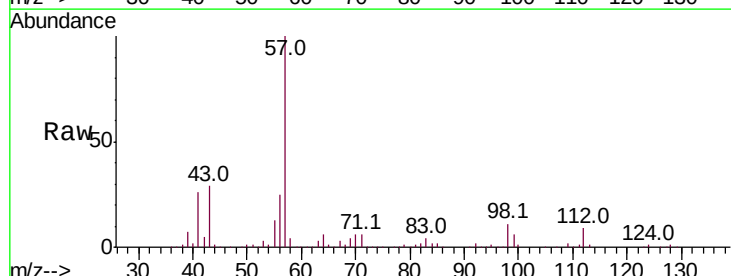
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



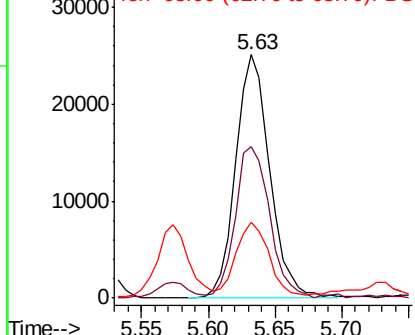
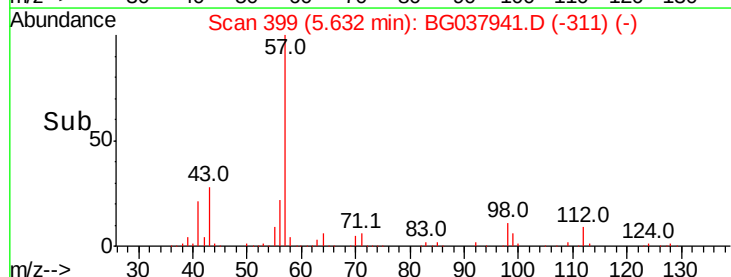
#5

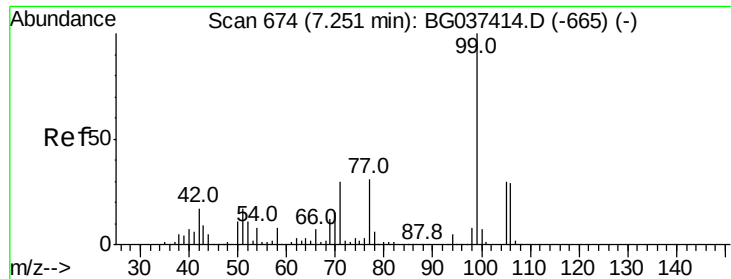
2-Fluorophenol  
Concen: 14.243 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG037941.D  
Acq: 12 Nov 2018 12:41

Tgt Ion:112 Resp: 44280  
Ion Ratio Lower Upper  
112 100  
64 62.2 53.1 79.7  
63 31.4 27.3 40.9



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: 15.209 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037941.D

Acq: 12 Nov 2018 12:41

Instrument :

BNA\_G

ClientSampleId :

EP2-SB-111(17-19)DL

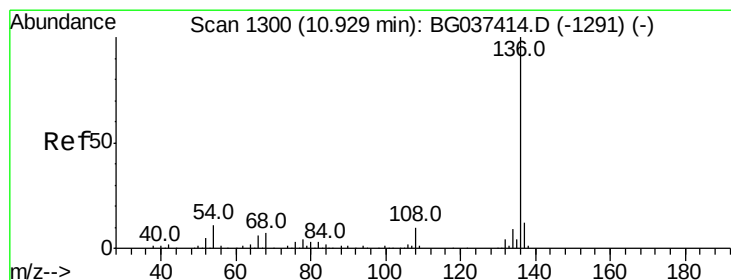
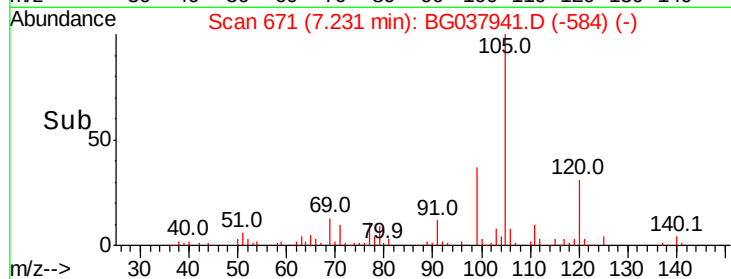
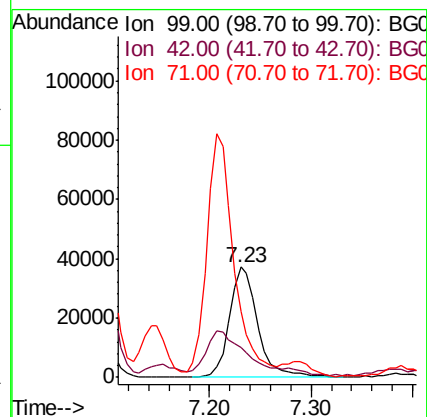
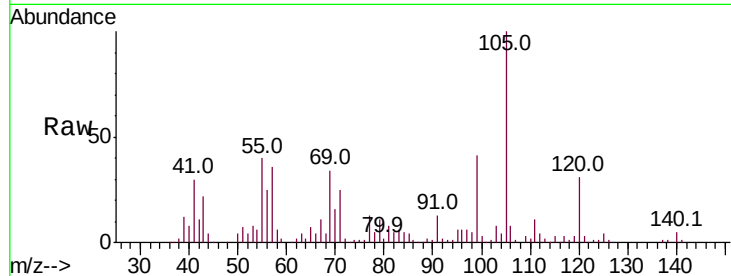
Tot Ion: 99 Resp: 71496

Ion Ratio Lower Upper

99 100

42 26.9 15.0 22.4#

71 59.5 25.5 38.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG037941.D

Acq: 12 Nov 2018 12:41

Tgt Ion: 136 Resp: 215791

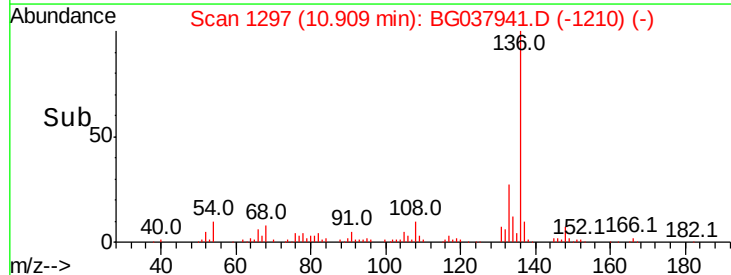
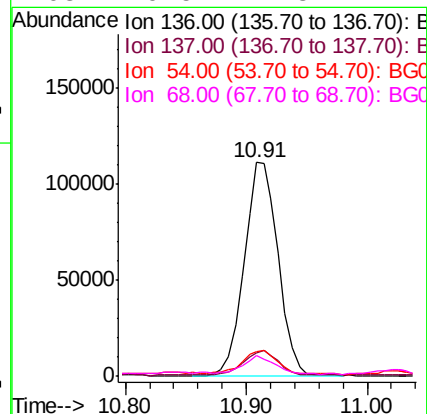
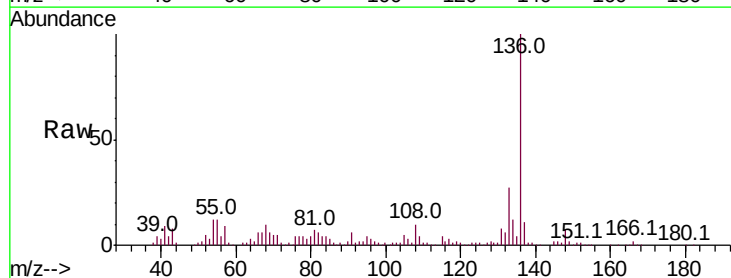
Ion Ratio Lower Upper

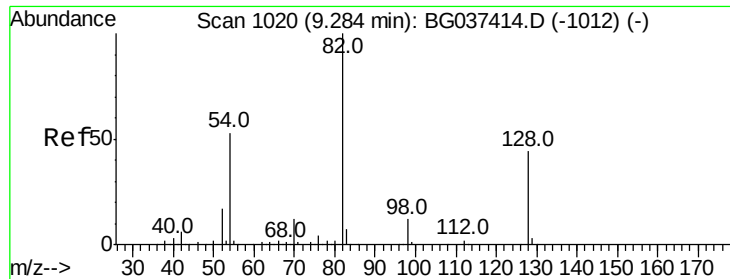
136 100

137 10.9 9.6 14.4

54 11.6 7.9 11.9

68 9.5 4.8 7.2#

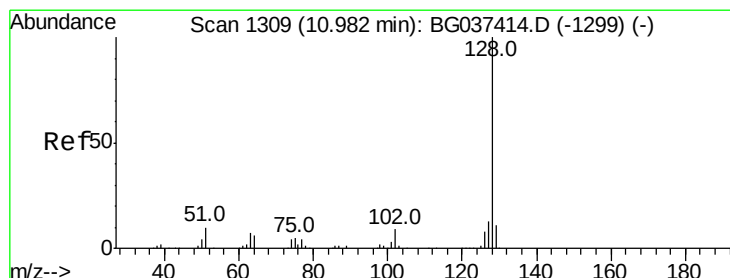
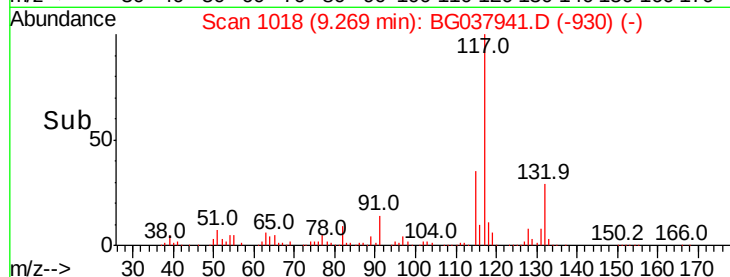
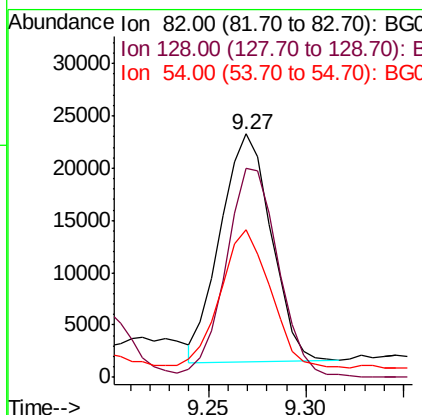
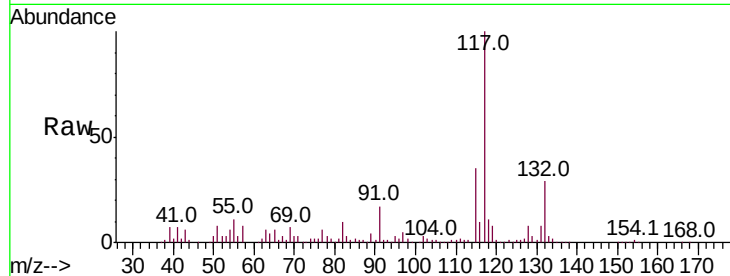




#23  
Nitrobenzene-d5  
Concen: 10.287 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BG037941.D  
Acq: 12 Nov 2018 12:41

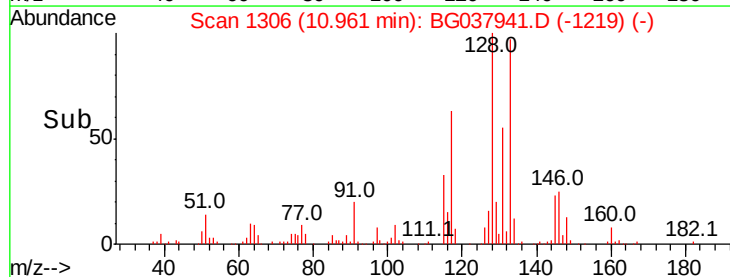
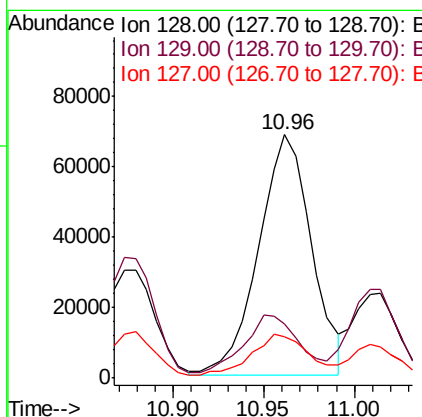
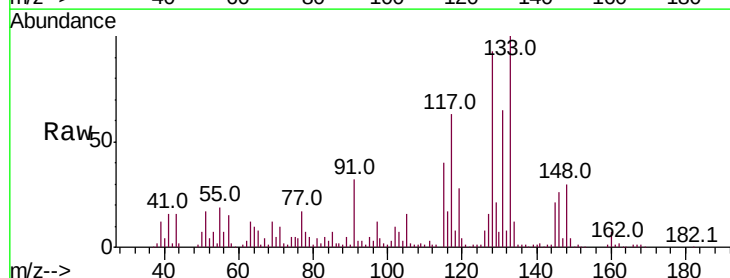
Instrument :  
BNA\_G  
ClientSampleId :  
EP2-SB-111(17-19)DL

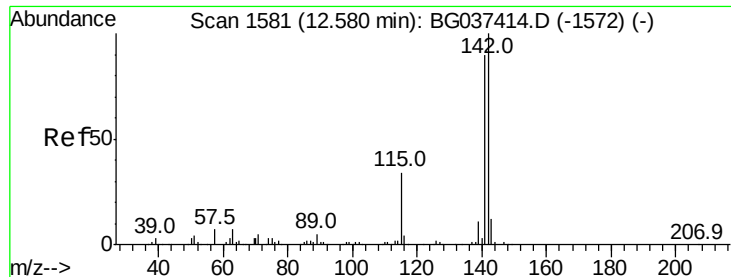
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 85.6  | 34.6  | 51.8# |
| 54      | 60.5  | 45.3  | 67.9  |



#31  
Naphthalene  
Concen: 13.167 ng  
RT: 10.96 min Scan# 1306  
Delta R.T. -0.02 min  
Lab File: BG037941.D  
Acq: 12 Nov 2018 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 22.4  | 9.0   | 13.6# |
| 127     | 17.2  | 11.1  | 16.7# |

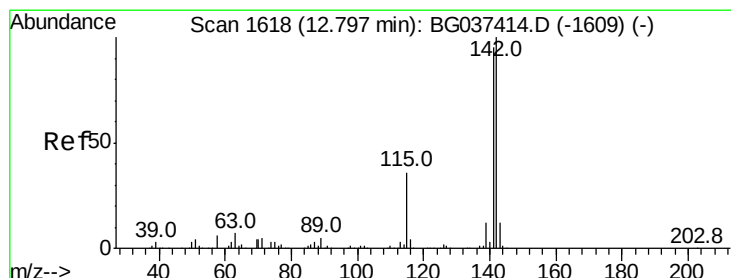
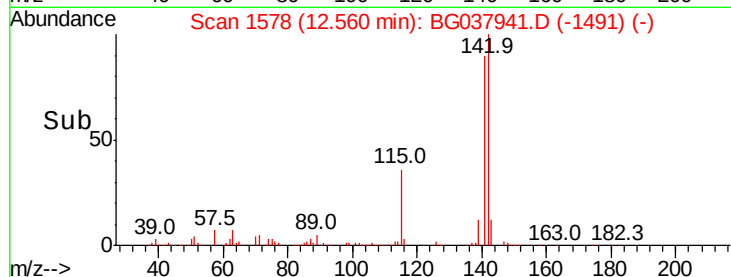
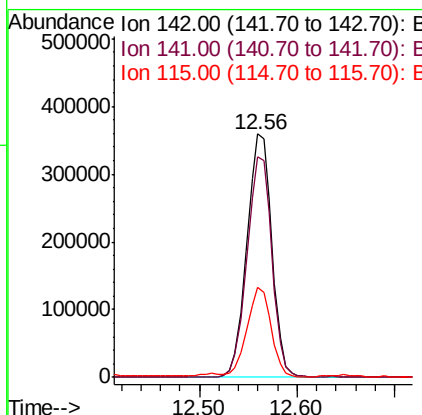
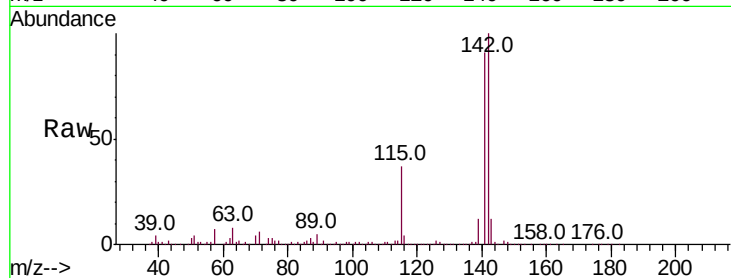




#37  
2-Methylnaphthalene  
Concen: 83.322 ng  
RT: 12.56 min Scan# 1578  
Delta R.T. -0.02 min  
Lab File: BG037941.D  
Acq: 12 Nov 2018 12:41

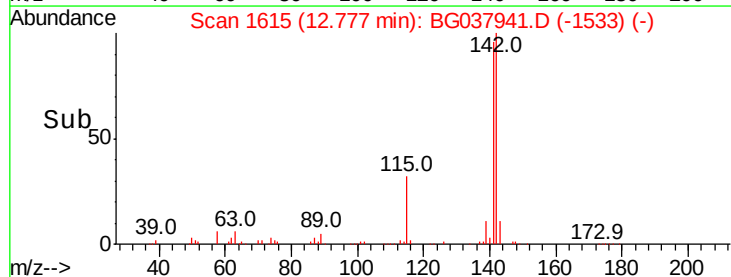
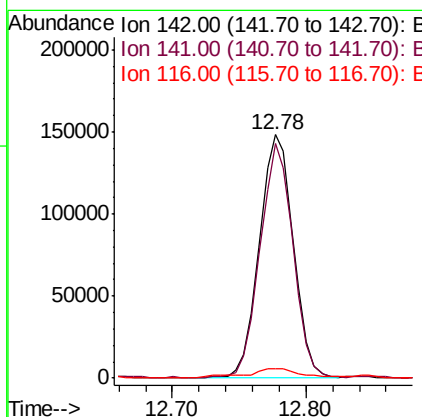
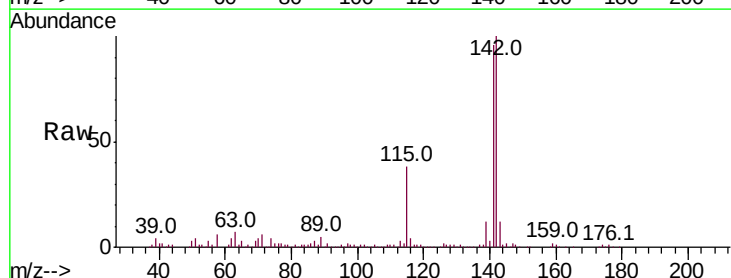
Instrument :  
BNA\_G  
ClientSampleId :  
EP2-SB-111(17-19)DL

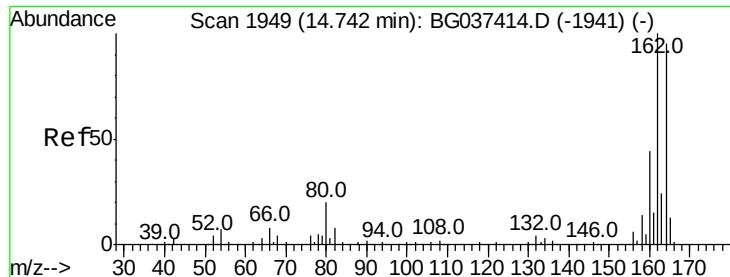
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 71.9  | 107.9 |
| 115     | 36.9  | 27.8  | 41.8  |



#38  
1-Methylnaphthalene  
Concen: 34.443 ng  
RT: 12.78 min Scan# 1615  
Delta R.T. -0.02 min  
Lab File: BG037941.D  
Acq: 12 Nov 2018 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 96.2  | 75.2  | 112.8 |
| 116     | 4.0   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037941.D

Acq: 12 Nov 2018 12:41

Instrument :

BNA\_G

ClientSampleId :

EP2-SB-111(17-19)DL

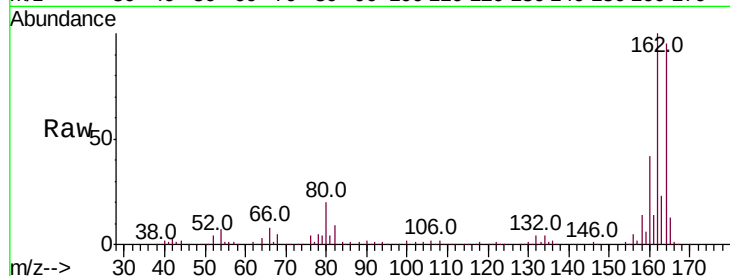
Tot Ion:164 Resp: 148107

Ion Ratio Lower Upper

164 100

162 104.8 81.3 121.9

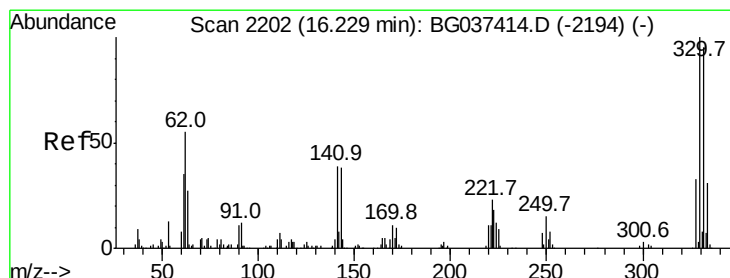
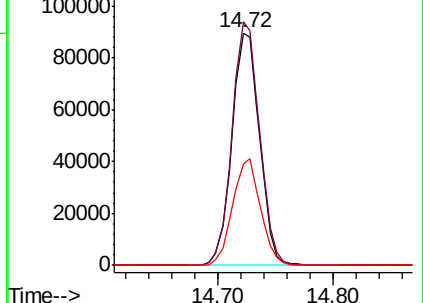
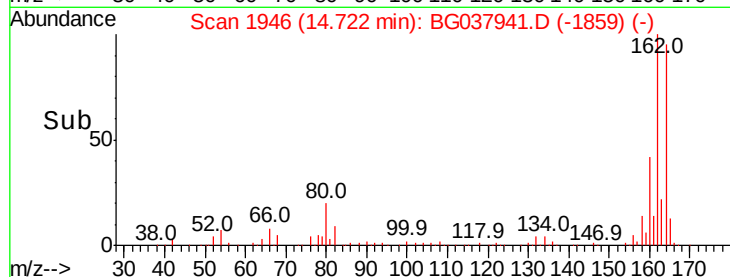
160 43.5 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 9.661 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037941.D

Acq: 12 Nov 2018 12:41

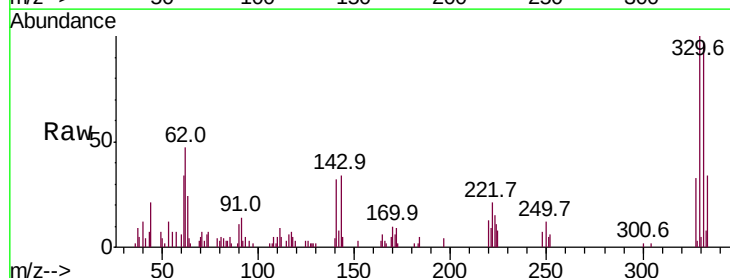
Tgt Ion:330 Resp: 15606

Ion Ratio Lower Upper

330 100

332 96.6 78.4 117.6

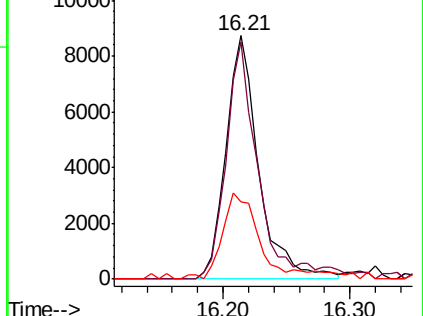
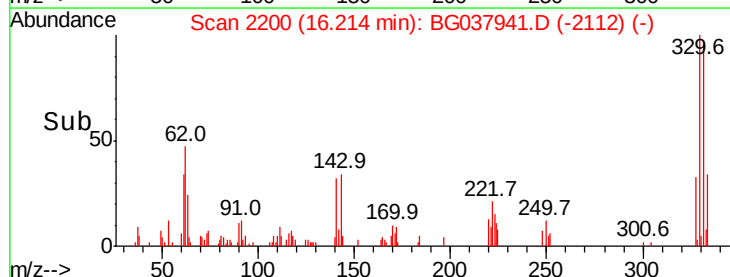
141 42.8 32.2 48.2

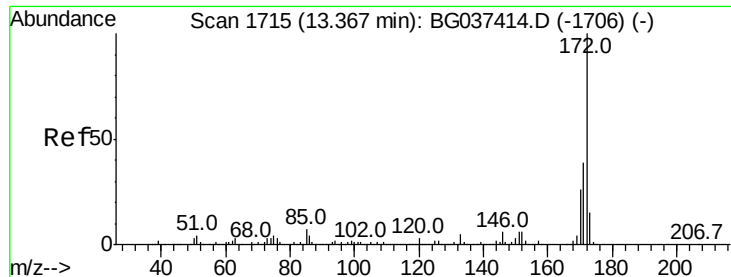


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

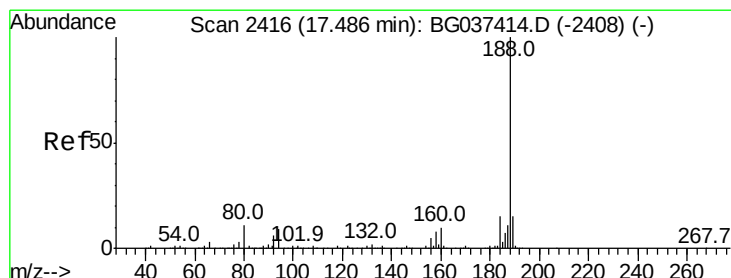
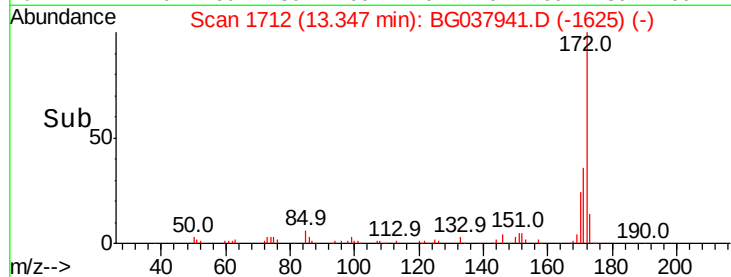
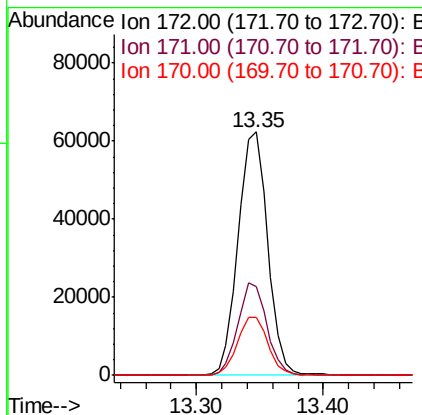
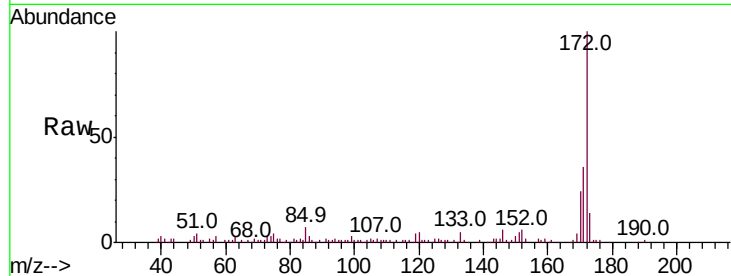




#45  
 2-Fluorobiphenyl  
 Concen: 10.302 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037941.D  
 Acq: 12 Nov 2018 12:41

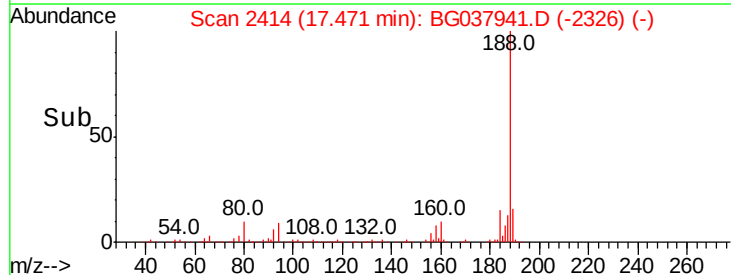
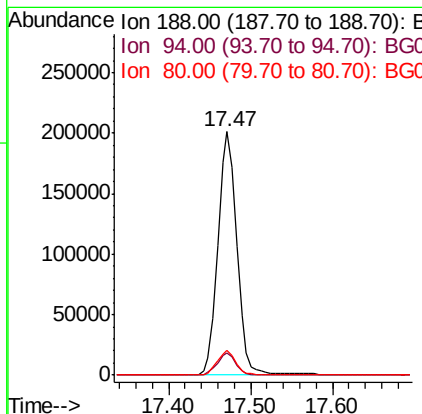
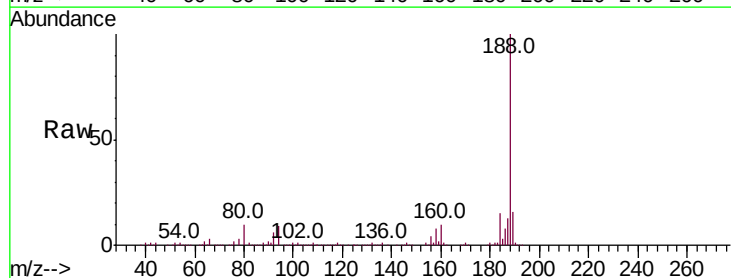
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP2-SB-111(17-19)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 31.0  | 46.4  |
| 170     | 23.8  | 20.2  | 30.2  |

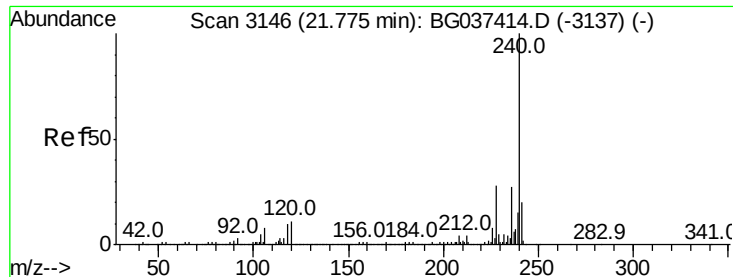


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.47 min Scan# 2414  
 Delta R.T. -0.01 min  
 Lab File: BG037941.D  
 Acq: 12 Nov 2018 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 7.2   | 10.8  |
| 80      | 10.0  | 7.7   | 11.5  |







#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG037941.D

Acq: 12 Nov 2018 12:41

Instrument :

BNA\_G

ClientSampleId :

EP2-SB-111(17-19)DL

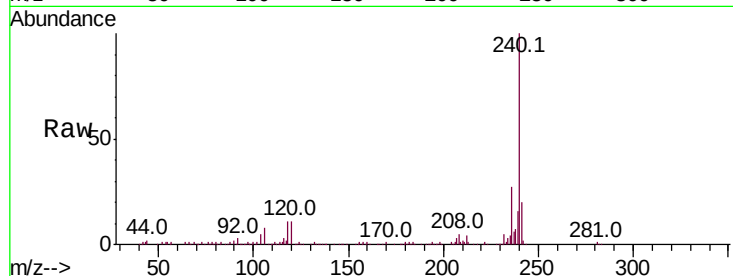
Tot Ion:240 Resp: 282689

Ion Ratio Lower Upper

240 100

120 10.8 8.1 12.1

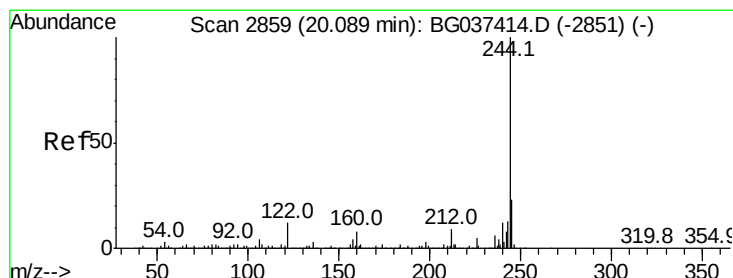
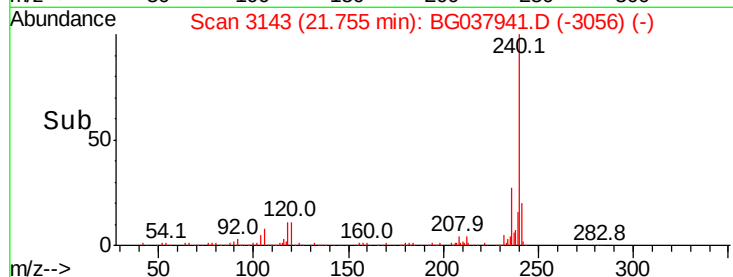
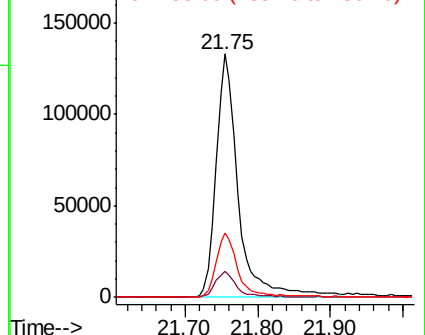
236 26.6 21.4 32.0



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



#79

Terphenyl-d14

Concen: 11.240 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037941.D

Acq: 12 Nov 2018 12:41

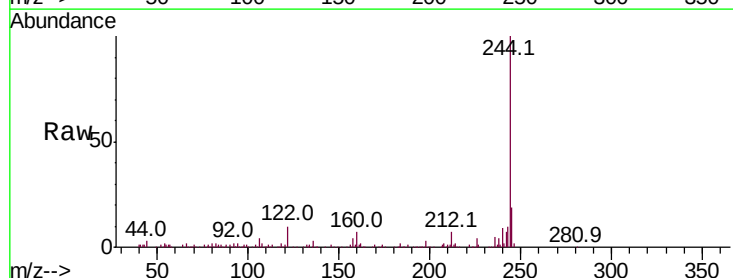
Tgt Ion:244 Resp: 148702

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

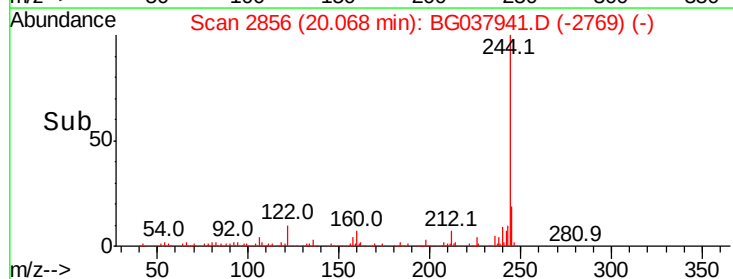
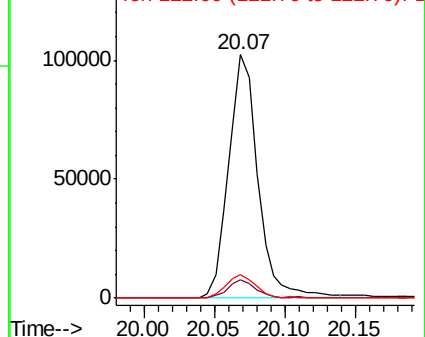
122 9.5 9.0 13.4

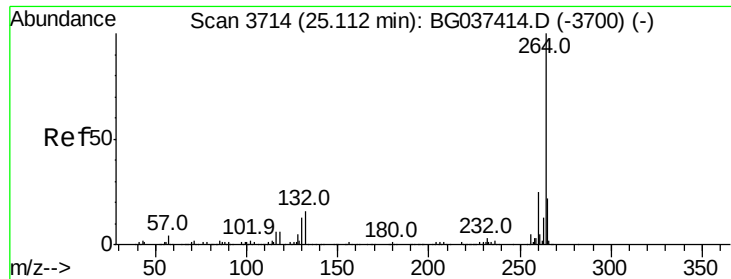


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.09 min Scan# 3710  
 Delta R.T. -0.03 min  
 Lab File: BG037941.D  
 Acq: 12 Nov 2018 12:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP2-SB-111(17-19)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 18.2  | 27.4  |
| 265     | 21.8  | 17.9  | 26.9  |

