

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\  
 Data File : BG042412.D  
 Acq On : 22 Aug 2019 22:11  
 Operator : HP/JU  
 Sample : K4452-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-WALL

Quant Time: Aug 23 04:09:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

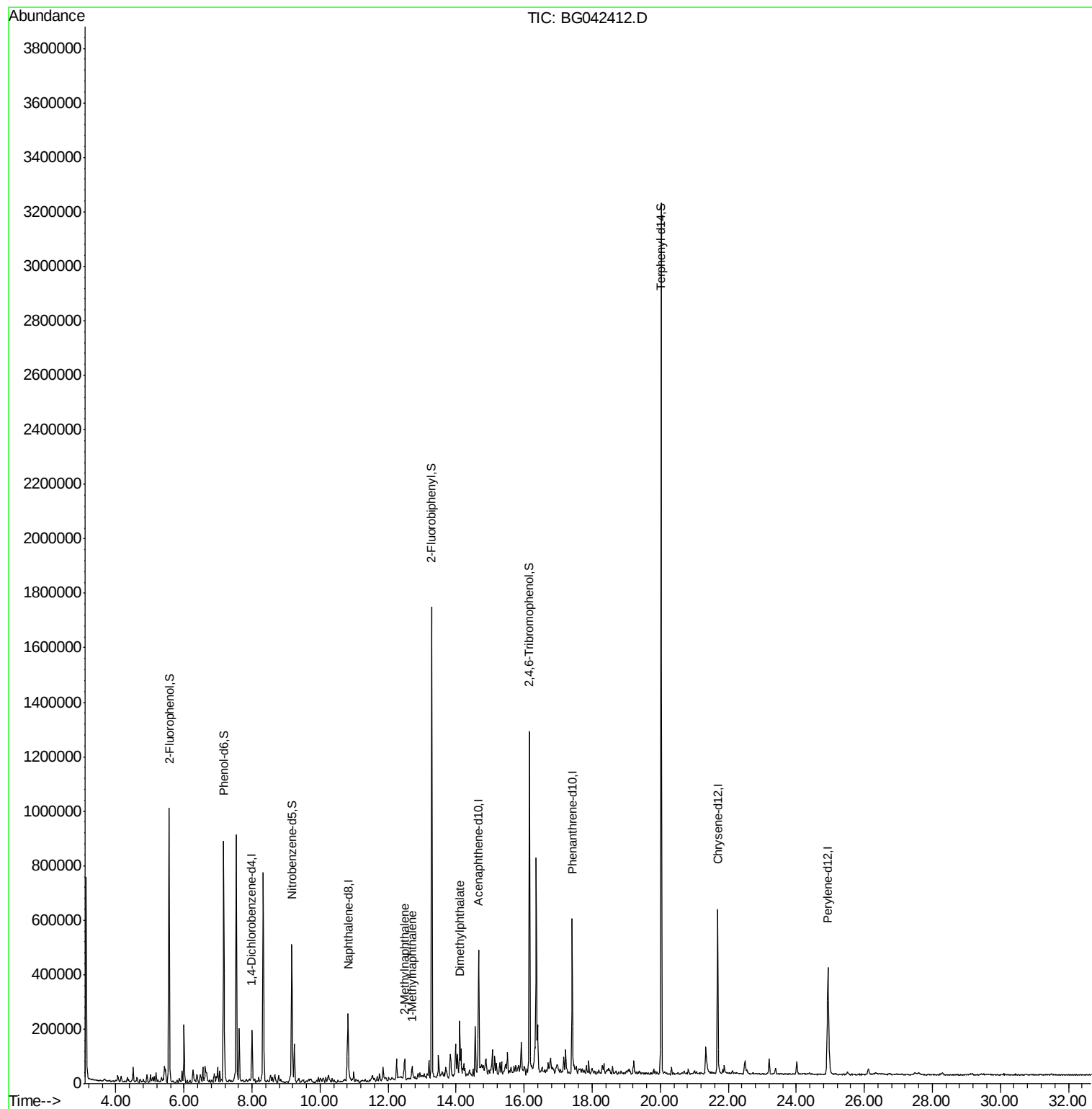
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 61565    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 232087   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 168416   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 376475   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.69 | 240  | 397993   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.93 | 264  | 457751   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 500545   | 164.66 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 571596   | 139.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 340218   | 101.30 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 312092   | 130.38 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 970626   | 97.47  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 1591603  | 86.46  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 37) 2-Methylnaphthalene     | 12.49 | 142  | 41619    | 4.810  | ng    | 100      |
| 38) 1-Methylnaphthalene     | 12.71 | 142  | 23917    | 2.910  | ng    | 87       |
| 50) Dimethylphthalate       | 14.11 | 163  | 143923   | 11.844 | ng    | 99       |

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

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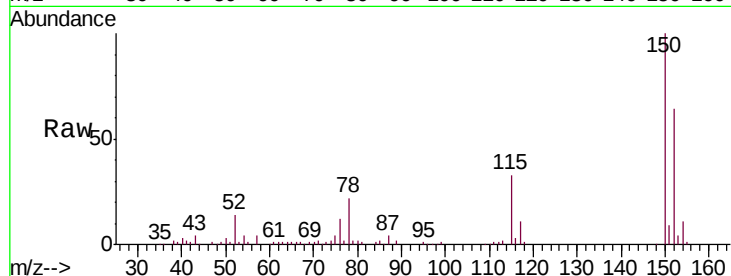


#1

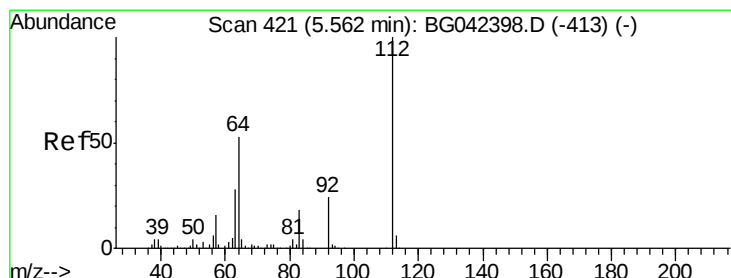
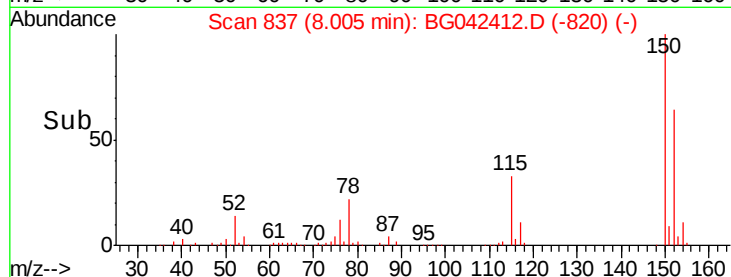
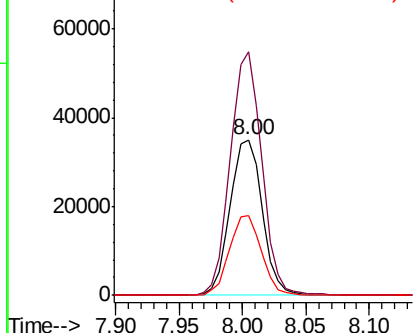
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.00 min Scan# 837  
 Delta R.T. -0.00 min  
 Lab File: BG042412.D  
 Acq: 22 Aug 2019 22:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-WALL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.4 | 125.4 | 188.0 |
| 115     | 51.3  | 38.5  | 57.7  |



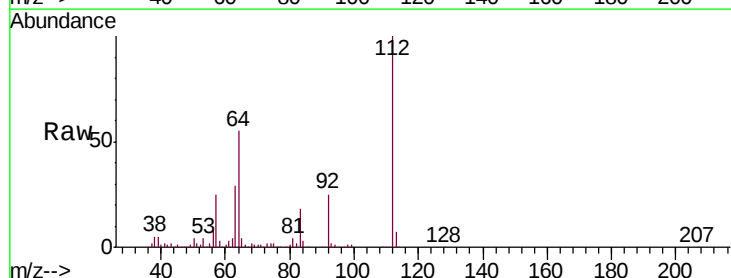
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



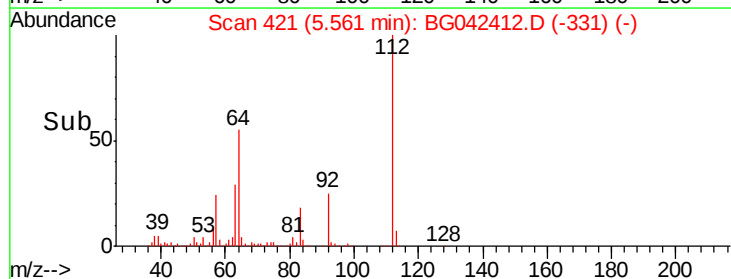
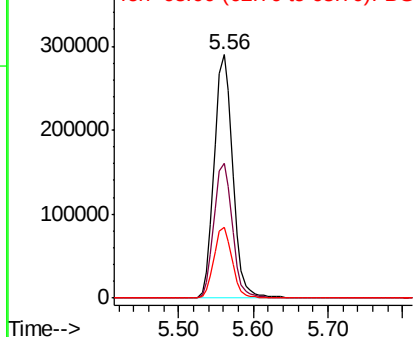
#5

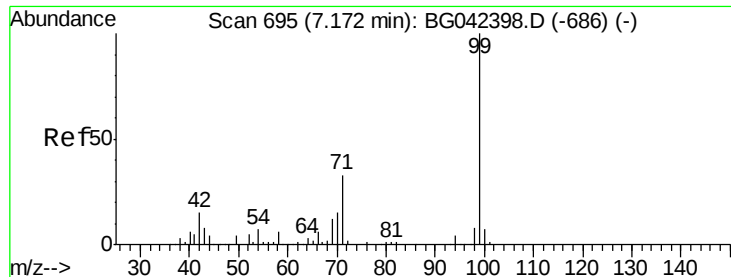
2-Fluorophenol  
 Concen: 164.663 ng  
 RT: 5.56 min Scan# 421  
 Delta R.T. -0.00 min  
 Lab File: BG042412.D  
 Acq: 22 Aug 2019 22:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.3  | 42.8  | 64.2  |
| 63      | 29.2  | 22.7  | 34.1  |



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: 139.207 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042412.D

Acq: 22 Aug 2019 22:11

Instrument :

BNA\_G

ClientSampleId :

S-WALL

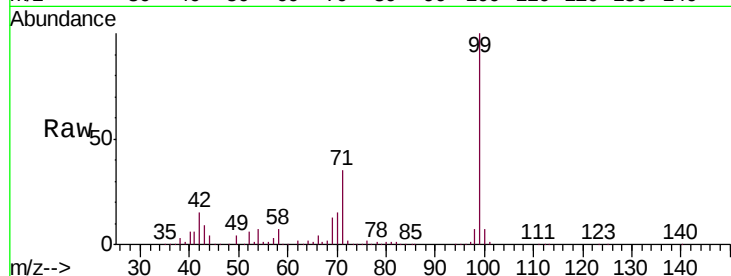
Tot Ion: 99 Resp: 571596

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.1  | 12.0  | 18.0  |
| 71  | 35.4  | 26.3  | 39.5  |

99 100

42 15.1 12.0 18.0

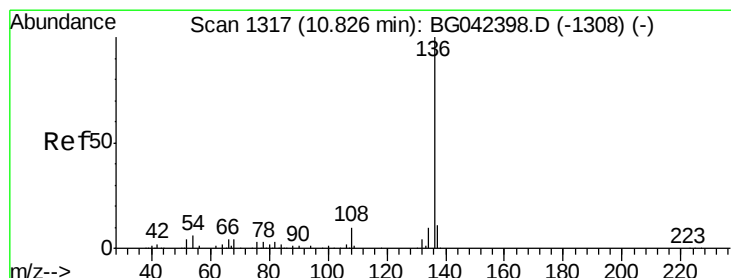
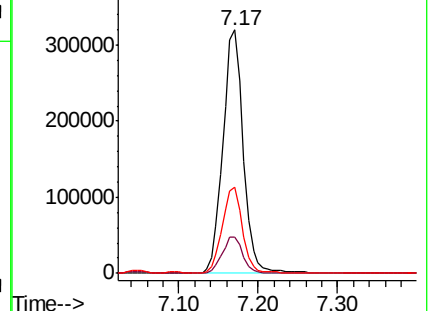
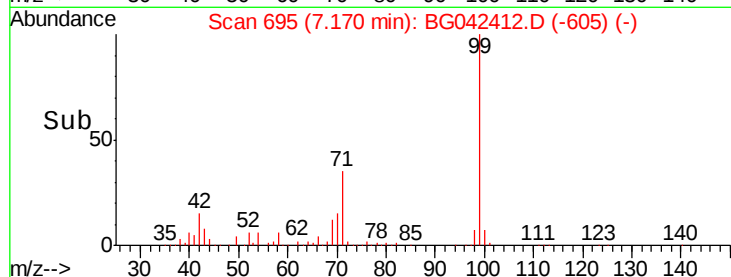
71 35.4 26.3 39.5



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: 10.82 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042412.D

Acq: 22 Aug 2019 22:11

Tgt Ion: 136 Resp: 232087

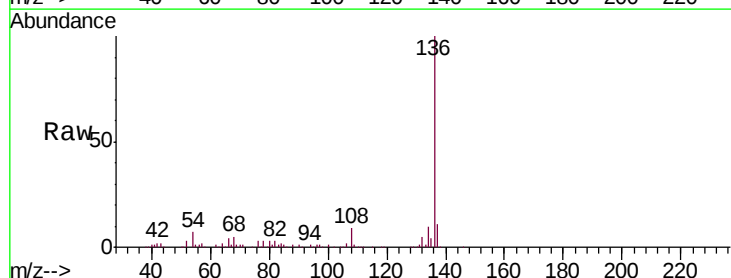
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.7   | 13.1  |
| 54  | 6.6   | 4.9   | 7.3   |
| 68  | 4.6   | 3.6   | 5.4   |

136 100

137 10.8 8.7 13.1

54 6.6 4.9 7.3

68 4.6 3.6 5.4

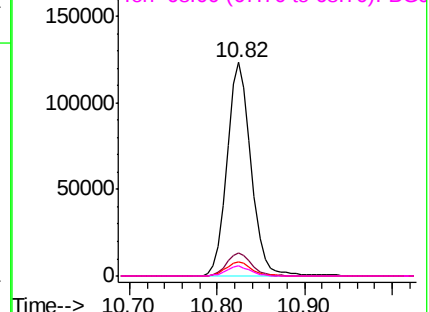
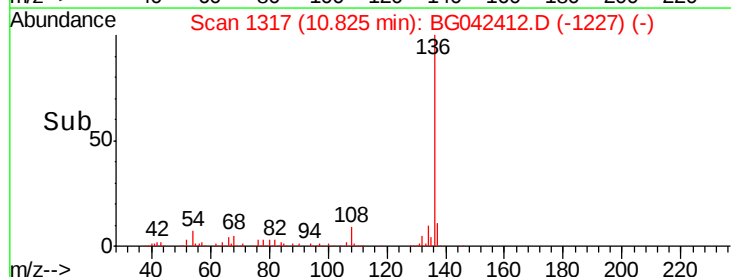


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

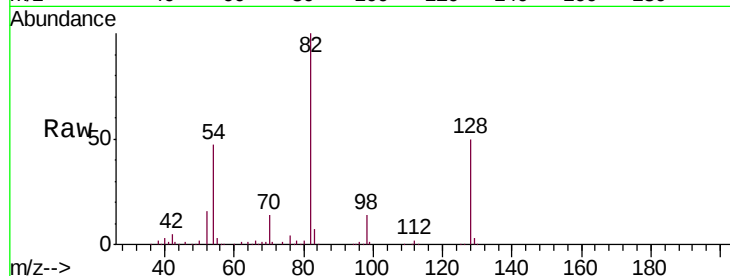




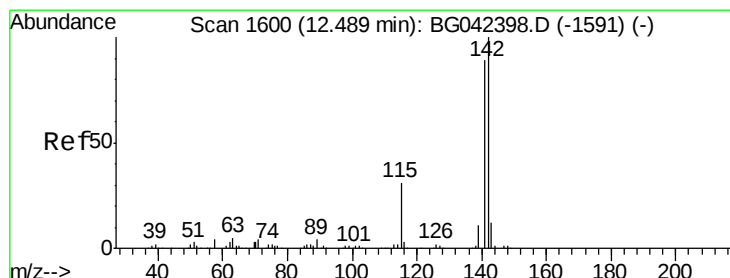
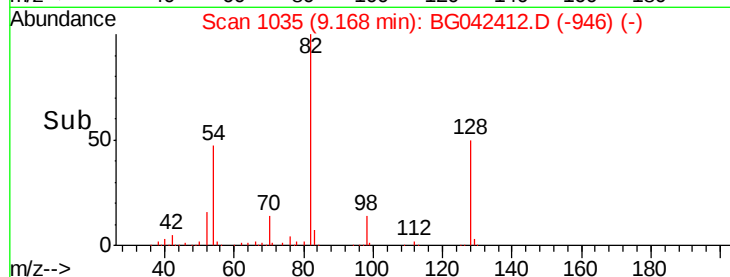
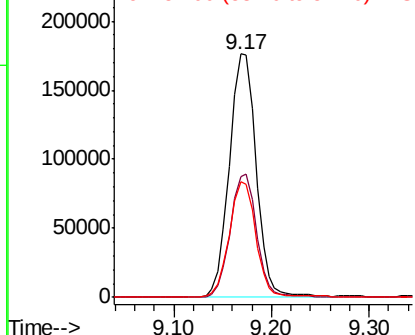
#23  
Nitrobenzene-d5  
Concen: 101.300 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

Instrument :  
BNA\_G  
ClientSampleId :  
S-WALL

| Tot Ion   | 82    | Resp  | 340218 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 49.6  | 40.7  | 61.1   |
| 54        | 47.4  | 36.3  | 54.5   |

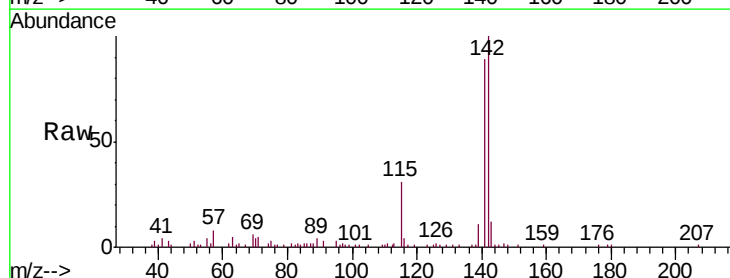


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

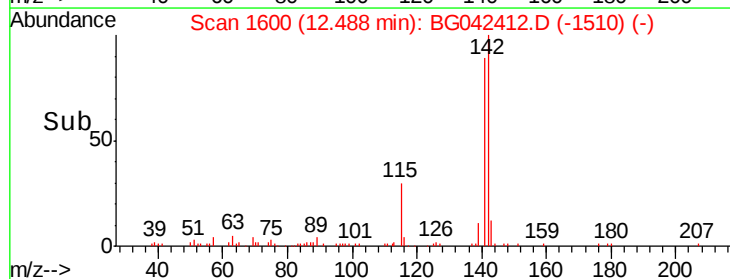
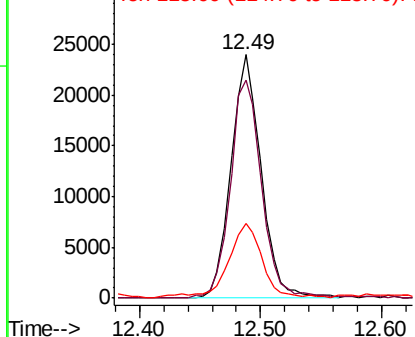


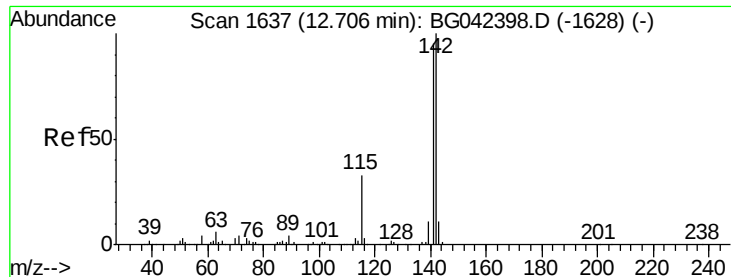
#37  
2-Methylnaphthalene  
Concen: 4.810 ng  
RT: 12.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

| Tgt Ion   | 142   | Resp  | 41619 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.3  | 71.4  | 107.2 |
| 115       | 30.7  | 25.2  | 37.8  |



Abundance Ion 142.00 (141.70 to 142.70): BGC  
Ion 141.00 (140.70 to 141.70): BGC  
Ion 115.00 (114.70 to 115.70): BGC

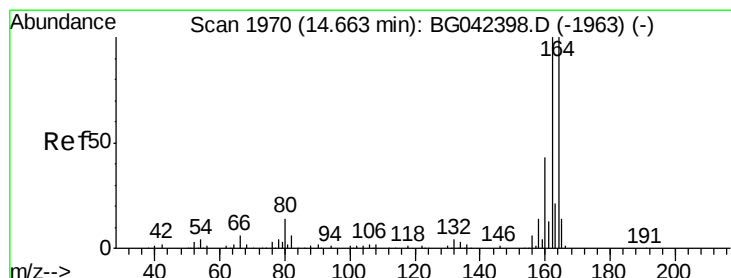
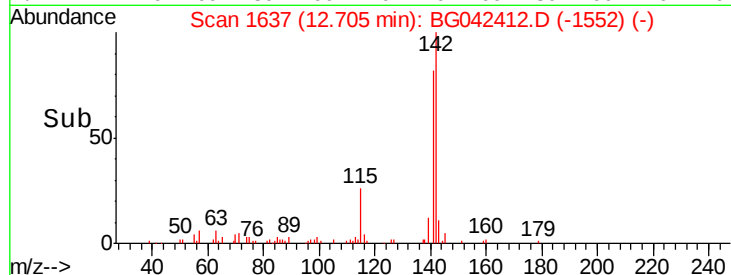
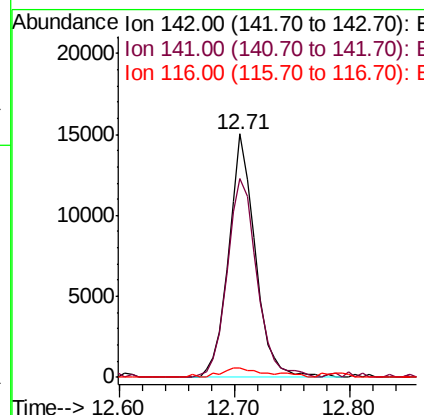
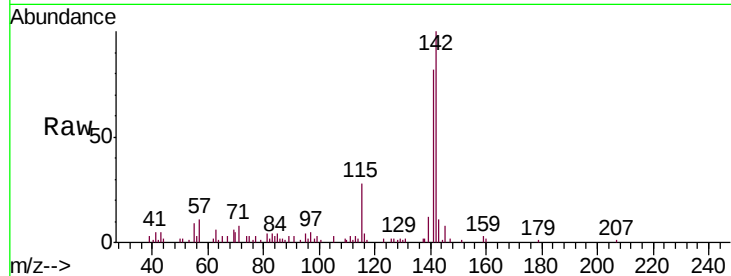




#38  
1-Methylnaphthalene  
Concen: 2.910 ng  
RT: 12.71 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

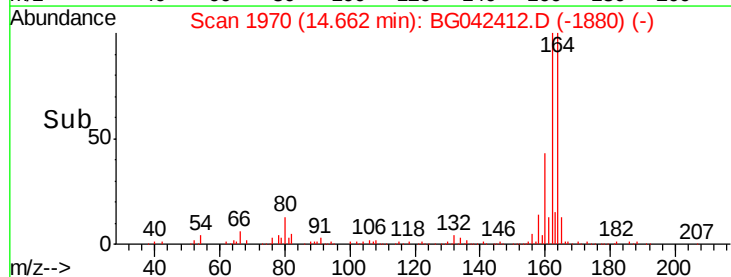
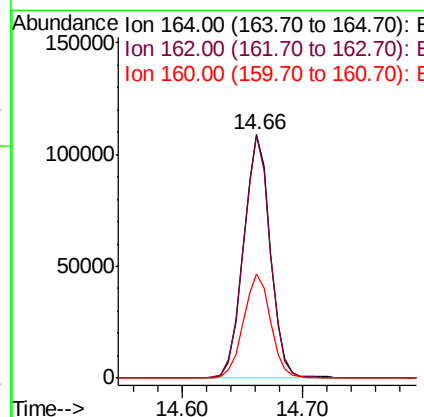
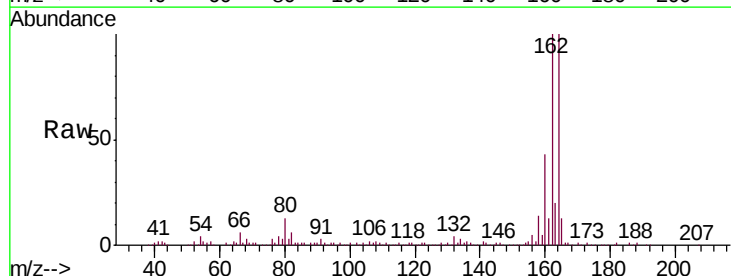
Instrument :  
BNA\_G  
ClientSampleId :  
S-WALL

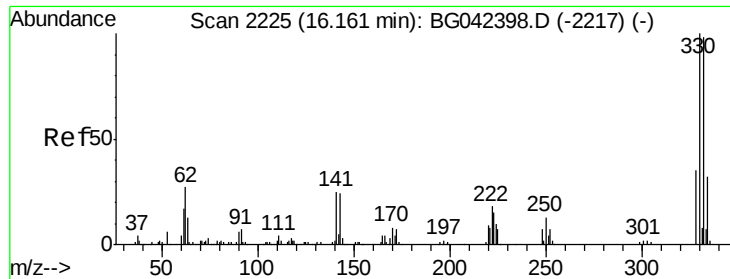
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 81.8  | 76.2  | 114.2 |
| 116     | 3.9   | 2.8   | 4.2   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.7  | 79.9  | 119.9 |
| 160     | 43.0  | 34.3  | 51.5  |

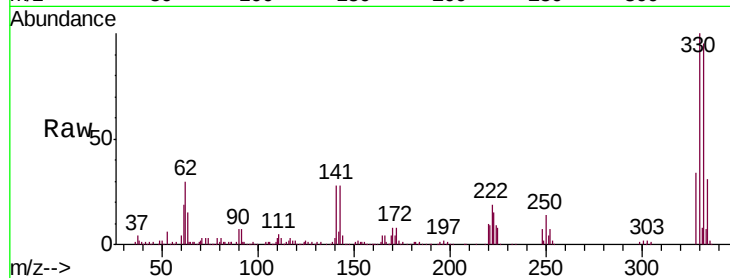




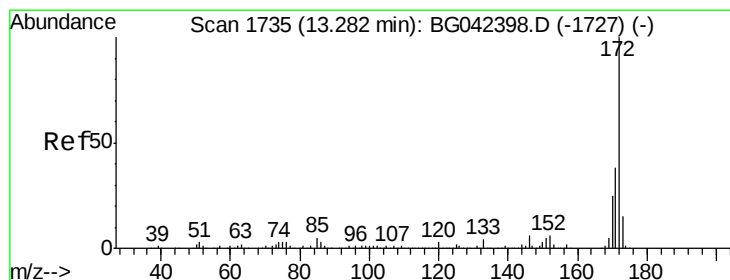
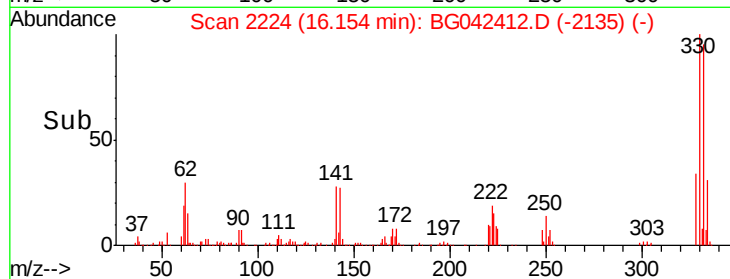
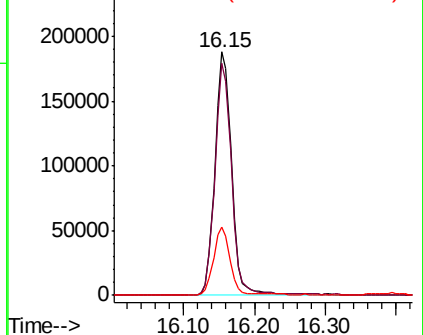
#42  
 2,4,6-Tribromophenol  
 Concen: 130.377 ng  
 RT: 16.15 min Scan# 2224  
 Delta R.T. -0.01 min  
 Lab File: BG042412.D  
 Acq: 22 Aug 2019 22:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-WALL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 77.4  | 116.0 |
| 141     | 27.3  | 21.4  | 32.0  |

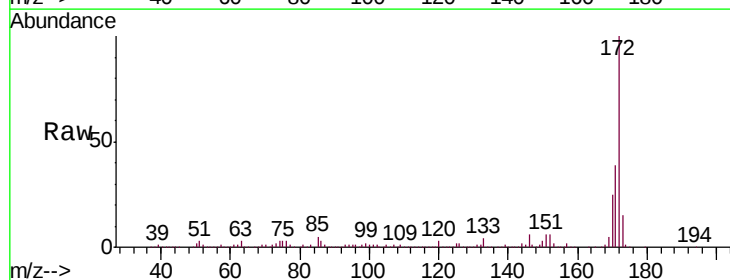


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

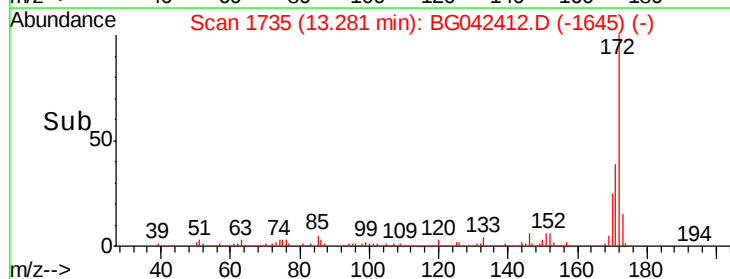
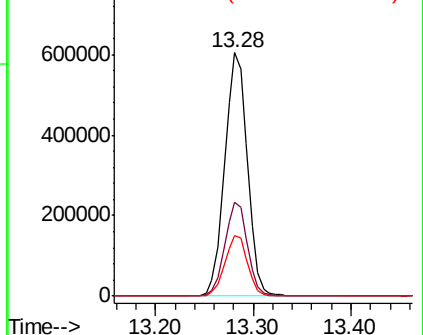


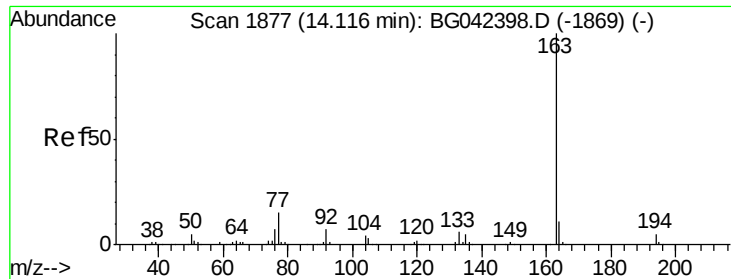
#45  
 2-Fluorobiphenyl  
 Concen: 97.473 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG042412.D  
 Acq: 22 Aug 2019 22:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.8  | 30.5  | 45.7  |
| 170     | 25.0  | 20.2  | 30.2  |



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

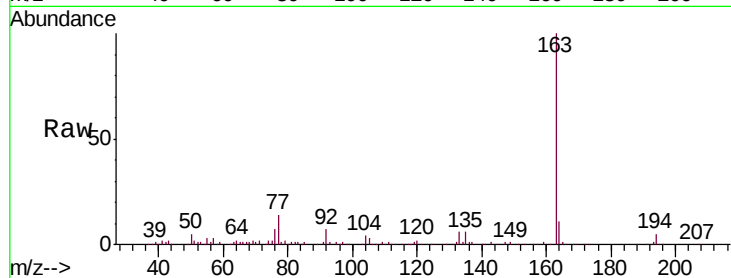




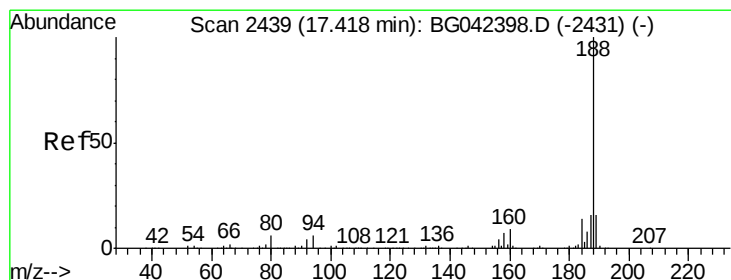
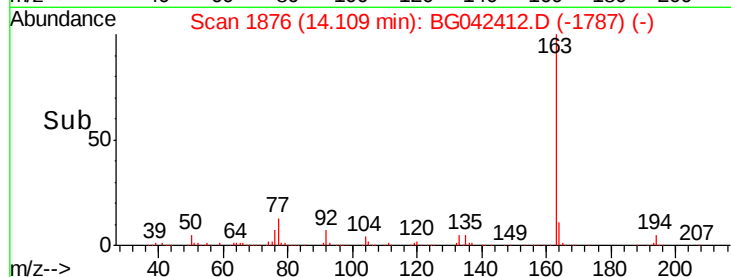
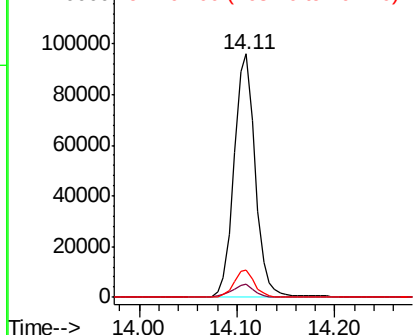
#50  
Dimethylphthalate  
Concen: 11.844 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

Instrument :  
BNA\_G  
ClientSampleId :  
S-WALL

Tot Ion:163 Resp: 143923  
Ion Ratio Lower Upper  
163 100  
194 5.2 4.2 6.2  
164 11.3 8.8 13.2

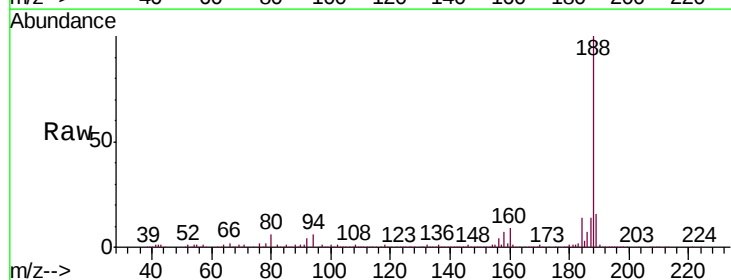


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

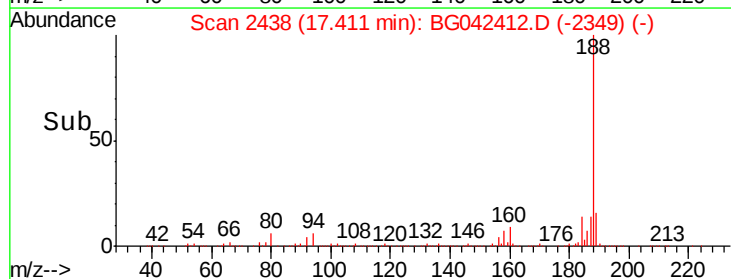
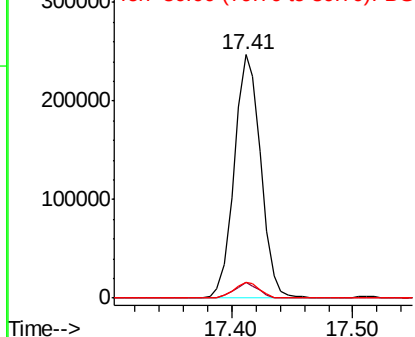


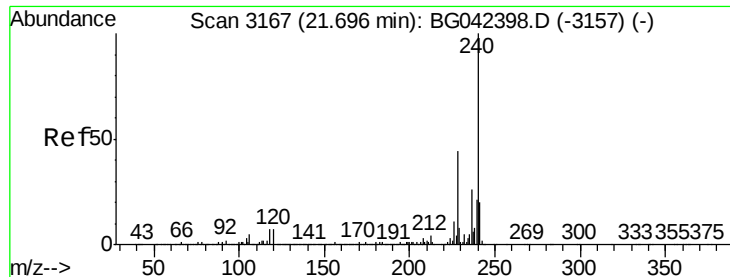
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

Tgt Ion:188 Resp: 376475  
Ion Ratio Lower Upper  
188 100  
94 6.3 4.5 6.7  
80 6.3 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

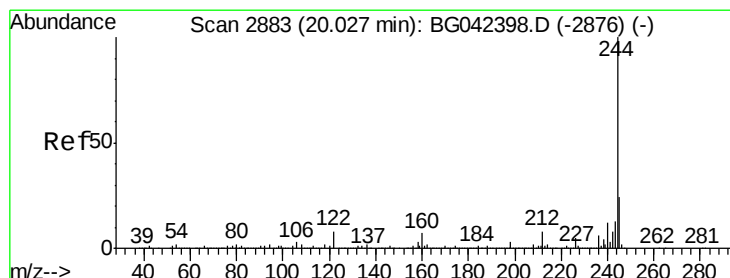
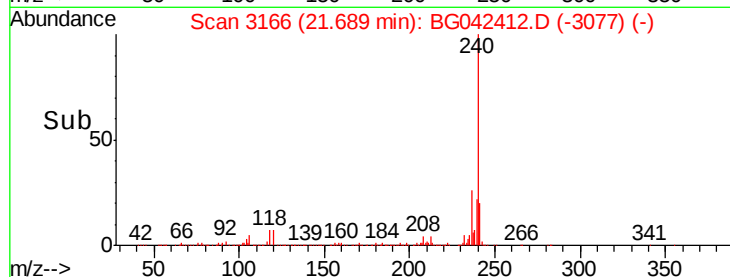
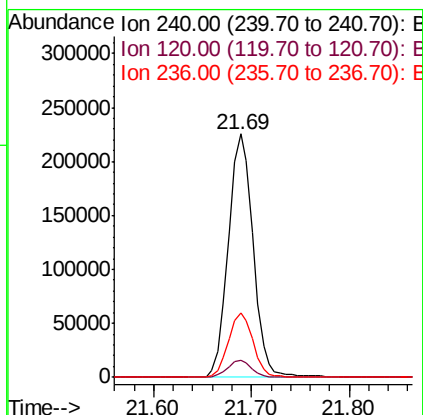
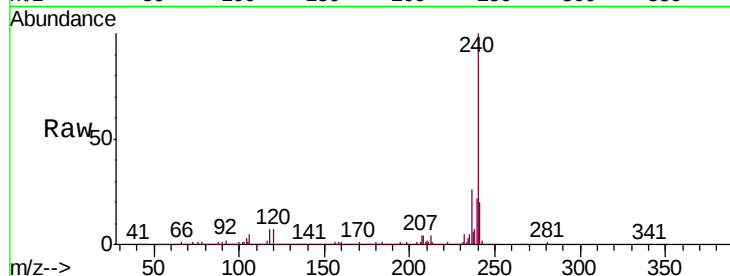




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

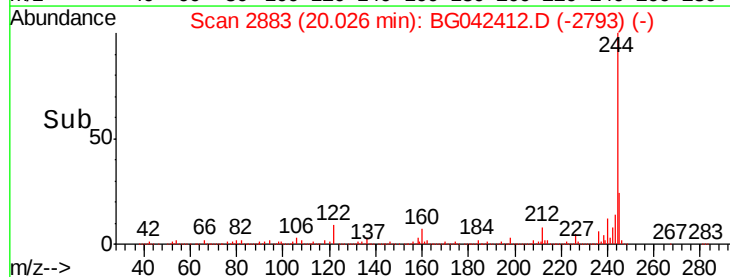
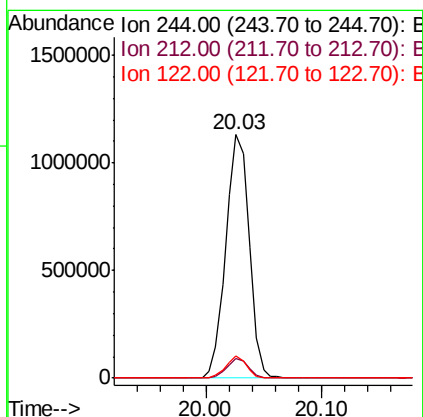
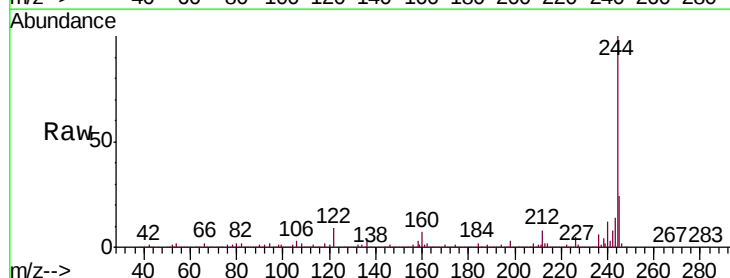
Instrument :  
BNA\_G  
ClientSampleId :  
S-WALL

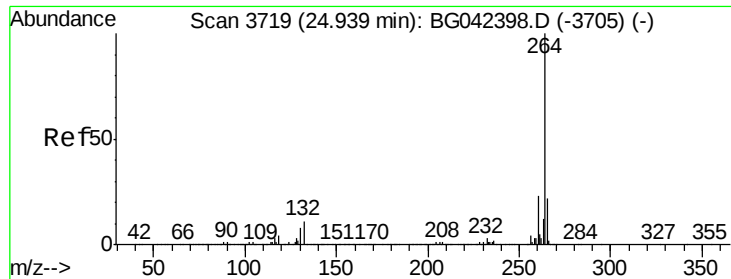
Tot Ion:240 Resp: 397993  
Ion Ratio Lower Upper  
240 100  
120 6.8 5.7 8.5  
236 26.5 21.0 31.4



#79  
Terphenyl-d14  
Concen: 86.457 ng  
RT: 20.03 min Scan# 2883  
Delta R.T. -0.00 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

Tgt Ion:244 Resp: 1591603  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.0 9.0  
122 8.9 6.7 10.1





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.93 min Scan# 3718  
Delta R.T. -0.01 min  
Lab File: BG042412.D  
Acq: 22 Aug 2019 22:11

Instrument :  
BNA\_G  
ClientSampleId :  
S-WALL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.5  | 27.7  |
| 265     | 22.3  | 17.6  | 26.4  |

