

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\  
 Data File : BG041652.D  
 Acq On : 15 Jul 2019 16:59  
 Operator : HP/JU  
 Sample : K3618-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-02-071119

Quant Time: Jul 16 07:57:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 16:16:21 2019  
 Response via : Initial Calibration

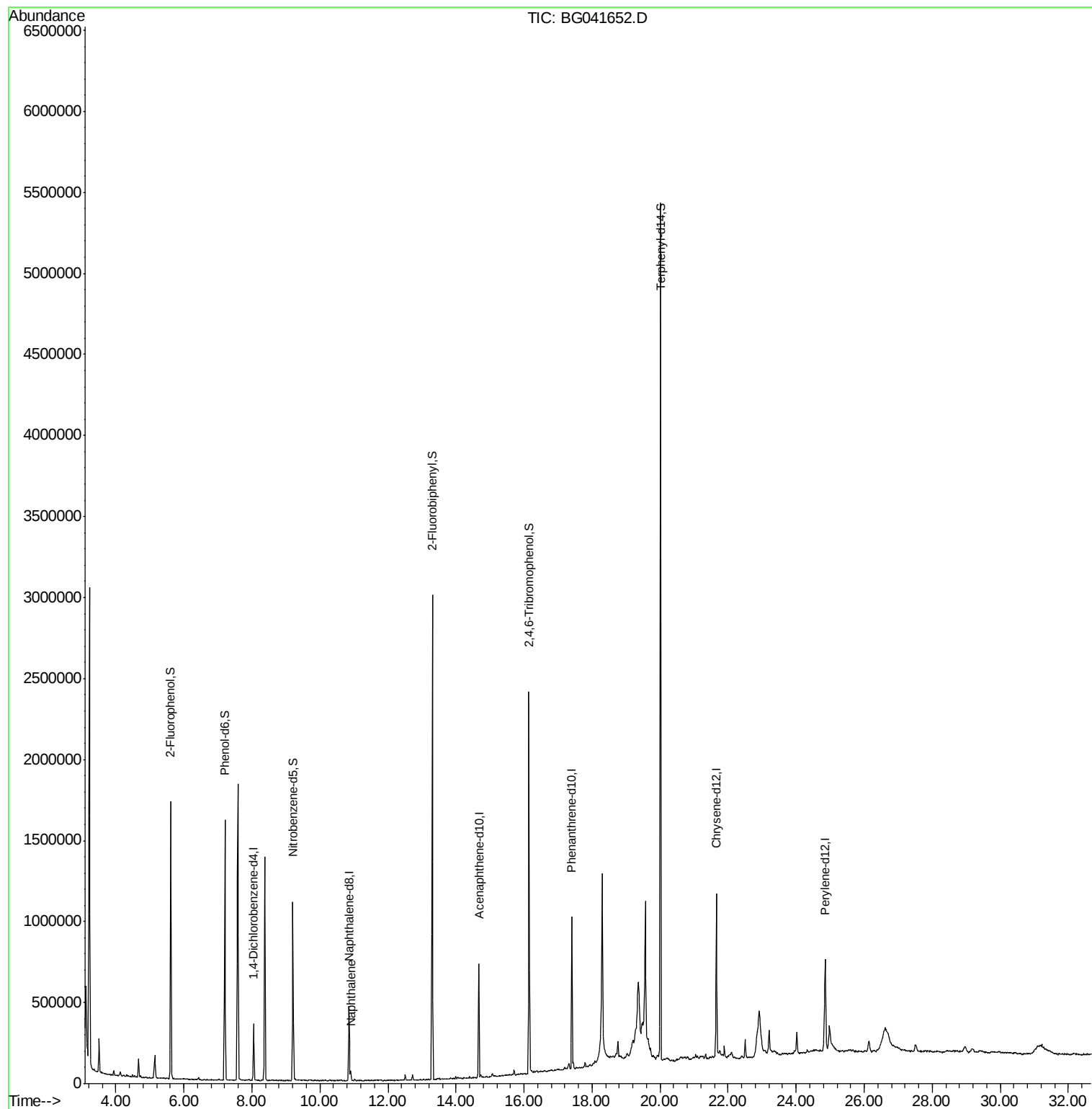
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 97335    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.86 | 136  | 394006   | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 14.67 | 164  | 247923   | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 17.40 | 188  | 586709   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 21.66 | 240  | 575165   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 24.85 | 264  | 637675   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.62  | 112  | 695365   | 116.79 | ng    | 0.00      |
| 7) Phenol-d6                | 7.20  | 99   | 889136   | 111.02 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 627506   | 96.86  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 425959   | 152.45 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 1501733  | 93.80  | ng    | 0.00      |
| 79) Terphenyl-d14           | 20.01 | 244  | 2238808  | 90.96  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 10.90 | 128  | 49714    | 2.563  | ng    | Qvalue 94 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\  
Data File : BG041652.D  
Acq On : 15 Jul 2019 16:59  
Operator : HP/JU  
Sample : K3618-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HD-02-071119

Quant Time: Jul 16 07:57:22 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 16:16:21 2019  
Response via : Initial Calibration



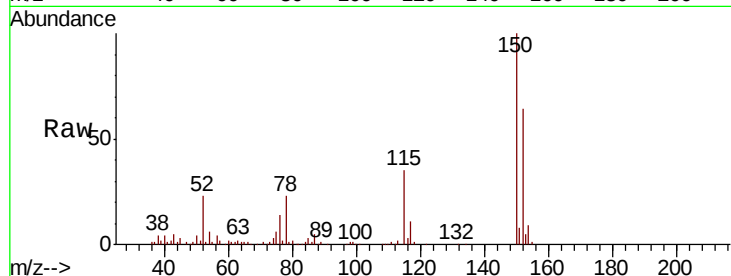


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 845  
Delta R.T. 0.00 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Instrument :  
BNA\_G  
ClientSampleId :  
HD-02-071119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 126.9 | 190.3 |
| 115     | 55.0  | 45.0  | 67.6  |

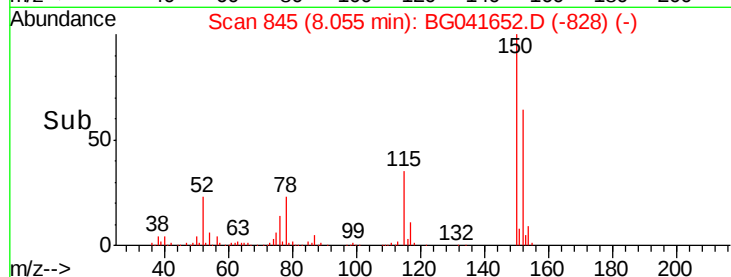
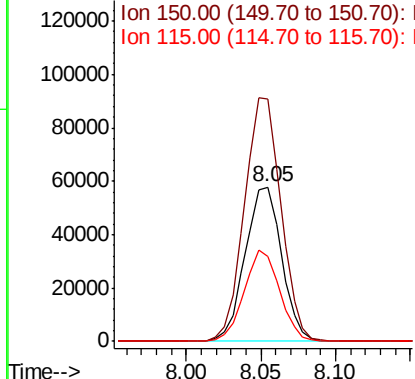


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

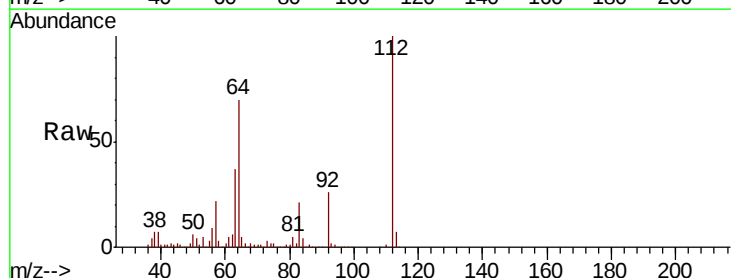
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 116.787 ng  
RT: 5.62 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.2  | 55.4  | 83.2  |
| 63      | 36.7  | 29.1  | 43.7  |

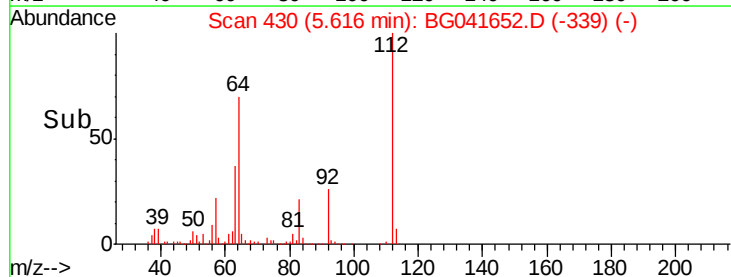
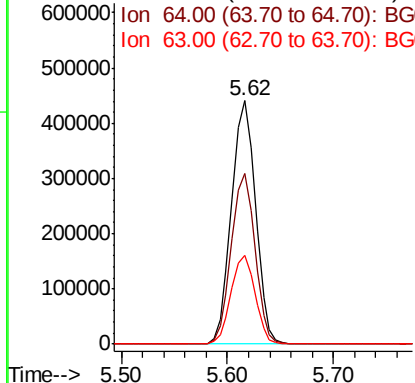


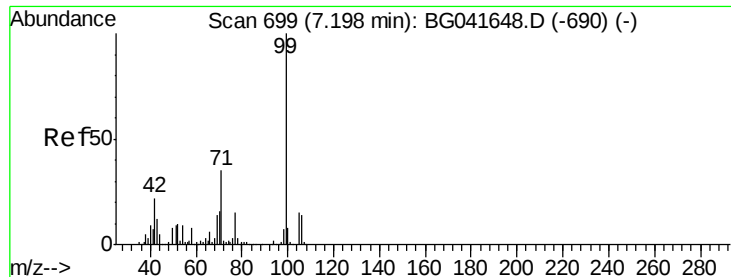
Abundance

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: 111.023 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041652.D

Acq: 15 Jul 2019 16:59

Instrument :

BNA\_G

ClientSampleId :

HD-02-071119

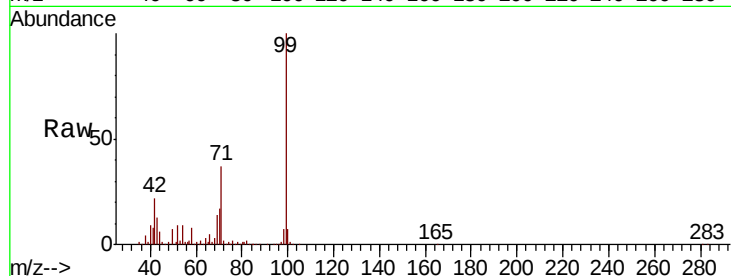
Tot Ion: 99 Resp: 889136

Ion Ratio Lower Upper

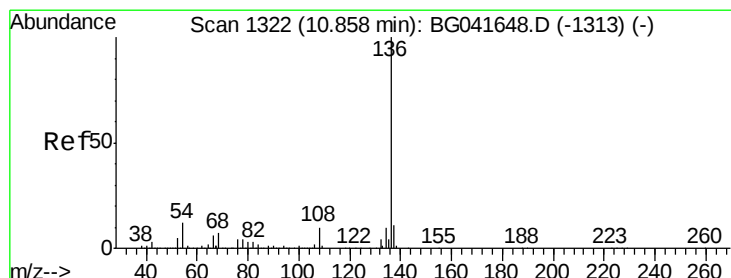
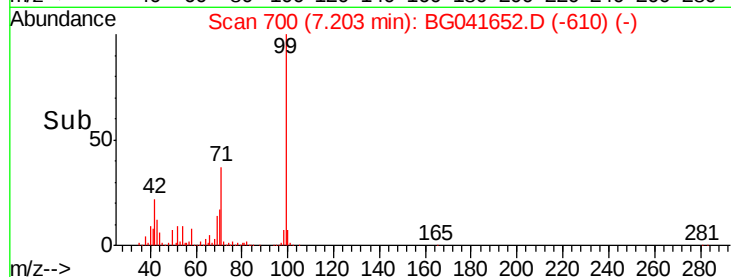
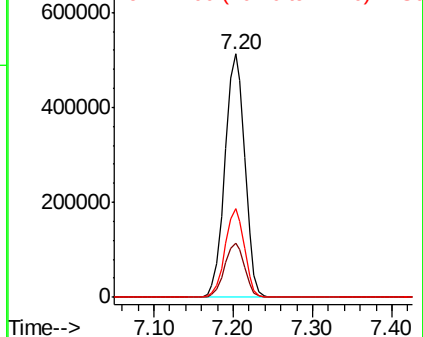
99 100

42 22.3 17.6 26.4

71 36.6 27.8 41.6



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# 1322

Delta R.T. 0.00 min

Lab File: BG041652.D

Acq: 15 Jul 2019 16:59

Tgt Ion: 136 Resp: 394006

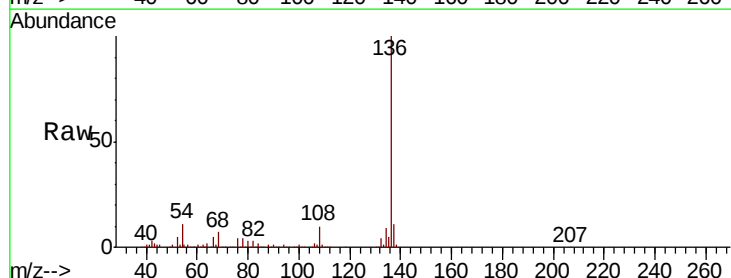
Ion Ratio Lower Upper

136 100

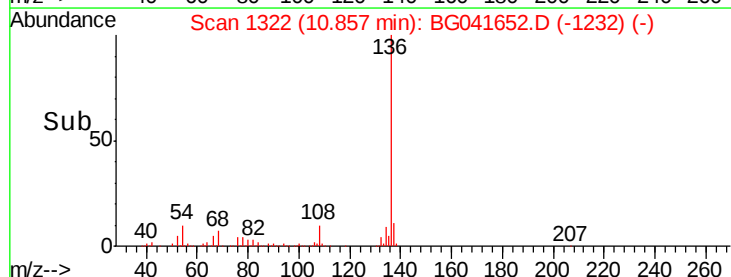
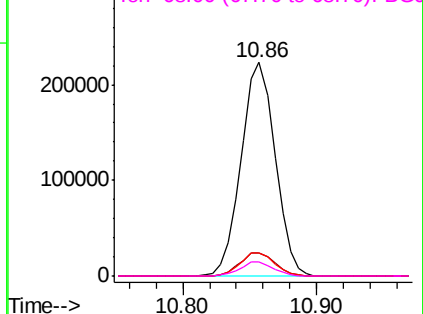
137 10.7 9.2 13.8

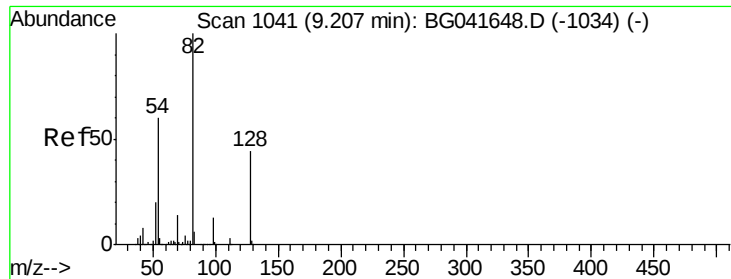
54 10.5 8.7 13.1

68 6.6 5.5 8.3



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

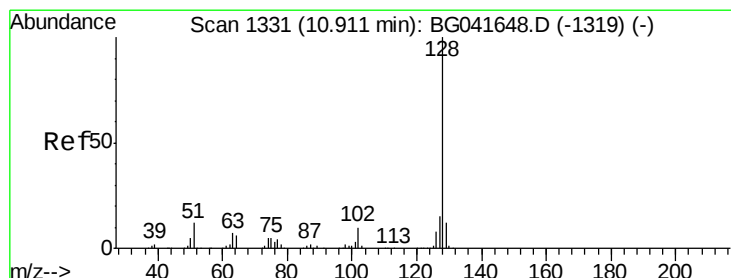
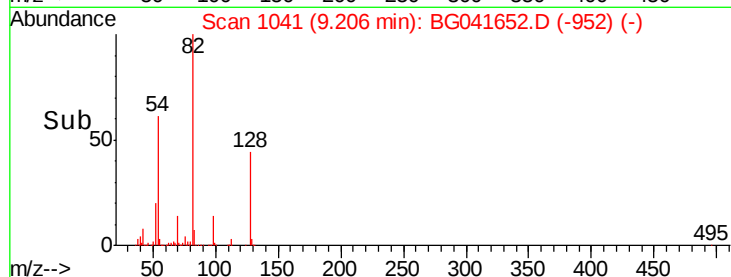
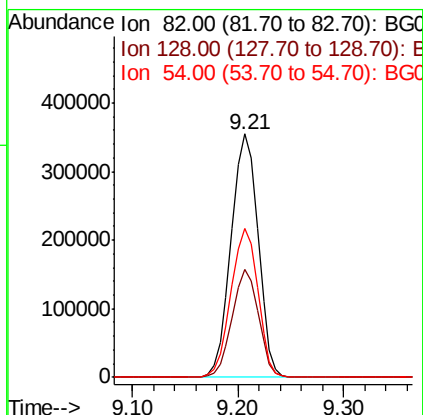
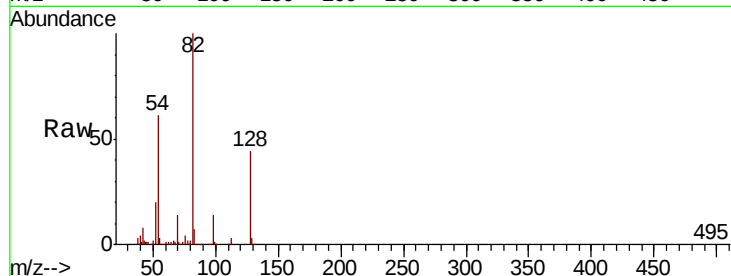




#23  
Nitrobenzene-d5  
Concen: 96.856 ng  
RT: 9.21 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

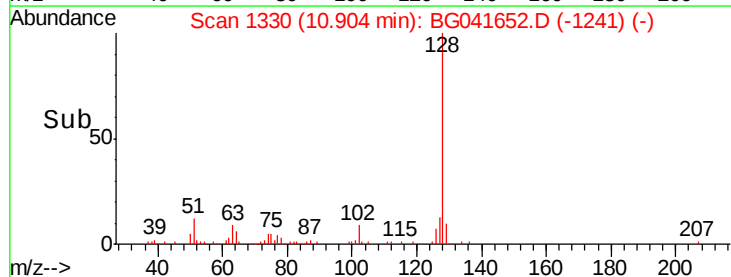
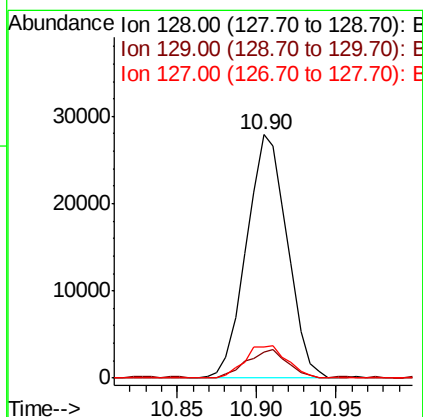
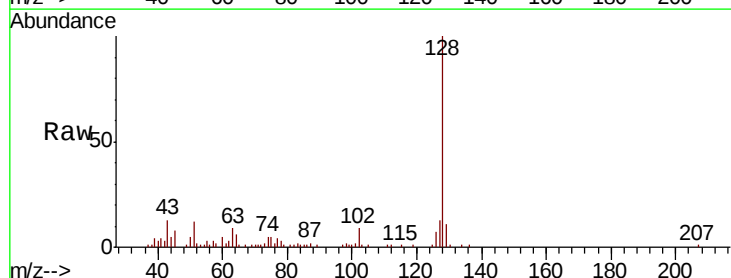
Instrument :  
BNA\_G  
ClientSampleId :  
HD-02-071119

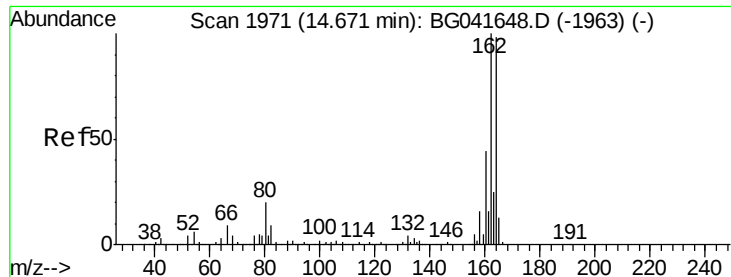
Tot Ion: 82 Resp: 627506  
Ion Ratio Lower Upper  
82 100  
128 44.5 35.1 52.7  
54 61.2 48.7 73.1



#31  
Naphthalene  
Concen: 2.563 ng  
RT: 10.90 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Tgt Ion: 128 Resp: 49714  
Ion Ratio Lower Upper  
128 100  
129 10.9 10.0 15.0  
127 12.6 12.3 18.5

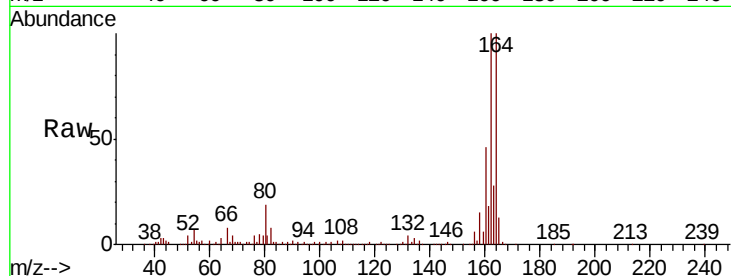




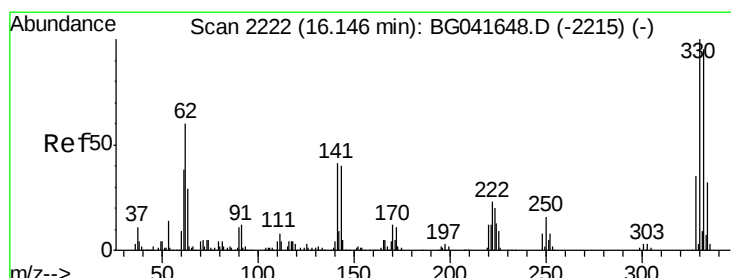
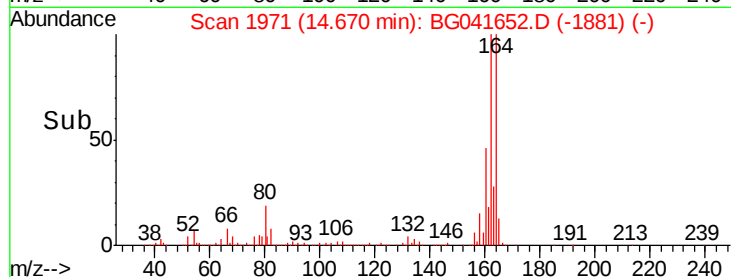
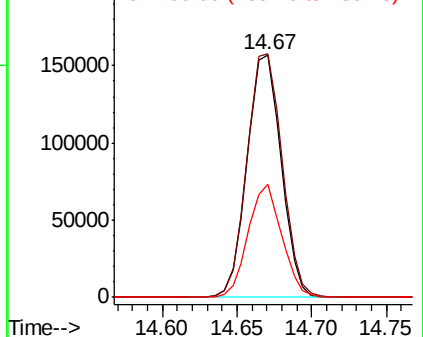
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1971  
 Delta R.T. 0.00 min  
 Lab File: BG041652.D  
 Acq: 15 Jul 2019 16:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-02-071119

Tot Ion:164 Resp: 247923  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 79.6 119.4  
 160 46.6 35.4 53.0

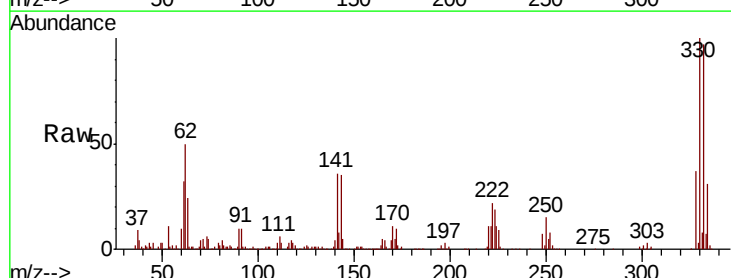


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

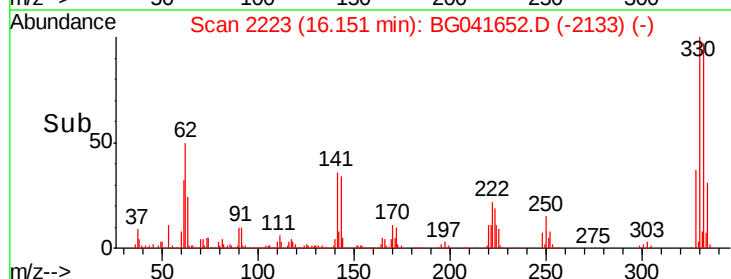
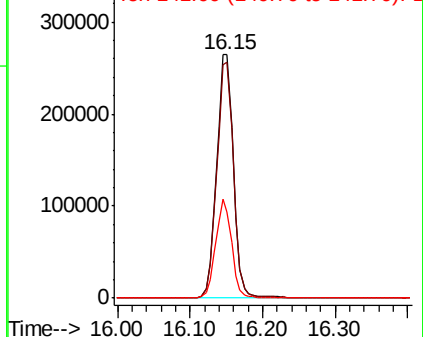


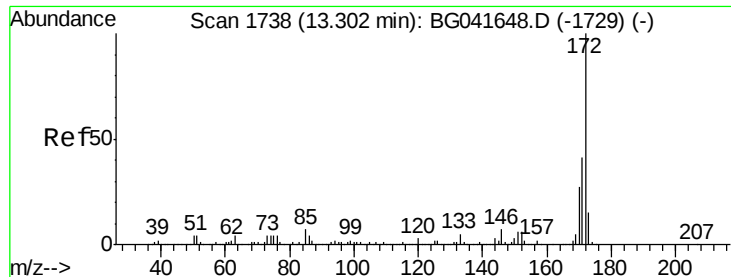
#42  
 2,4,6-Tribromophenol  
 Concen: 152.452 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. 0.00 min  
 Lab File: BG041652.D  
 Acq: 15 Jul 2019 16:59

Tgt Ion:330 Resp: 425959  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.0  
 141 38.7 31.9 47.9



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

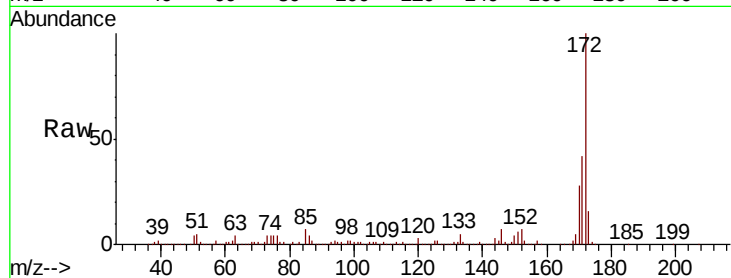




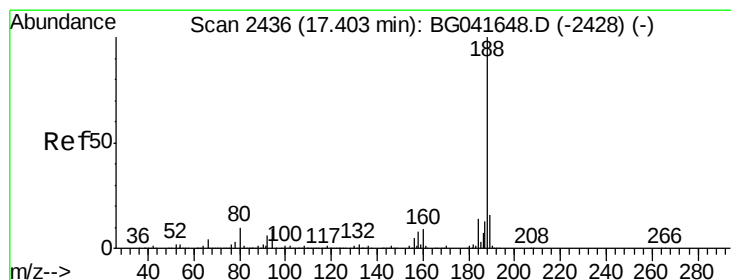
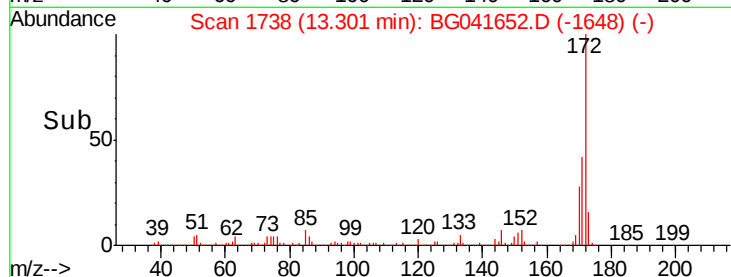
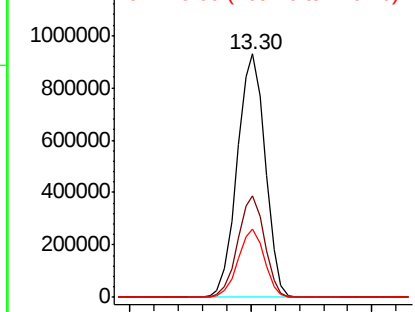
#45  
2-Fluorobiphenyl  
Concen: 93.796 ng  
RT: 13.30 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Instrument :  
BNA\_G  
ClientSampleId :  
HD-02-071119

Tot Ion:172 Resp: 1501733  
Ion Ratio Lower Upper  
172 100  
171 41.6 35.0 52.4  
170 27.8 23.5 35.3

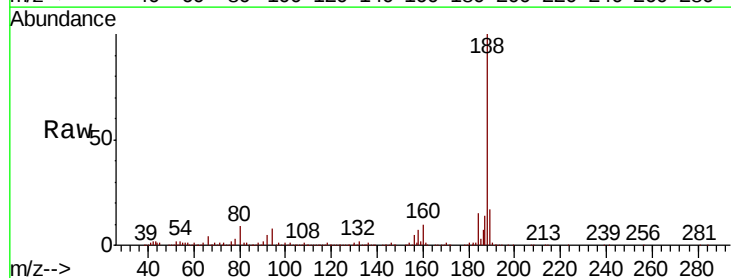


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

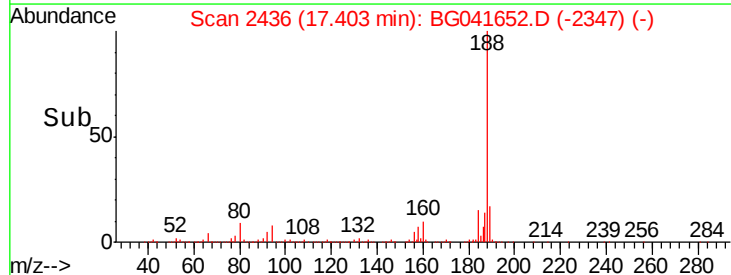
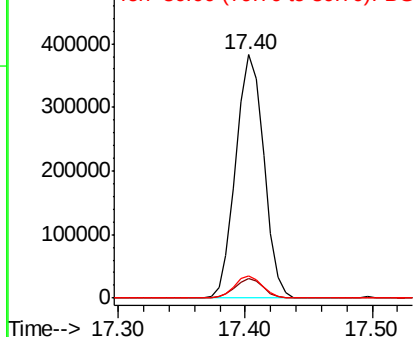


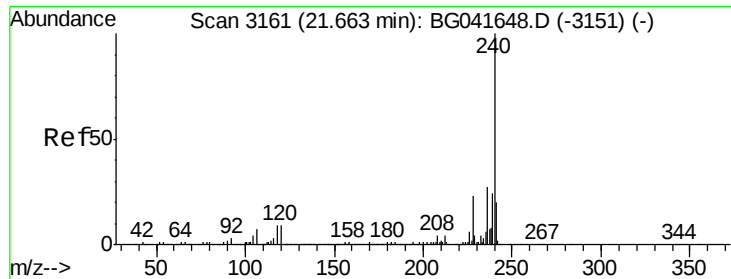
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2436  
Delta R.T. -0.01 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Tgt Ion:188 Resp: 586709  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.9 10.3  
80 9.4 8.0 12.0



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

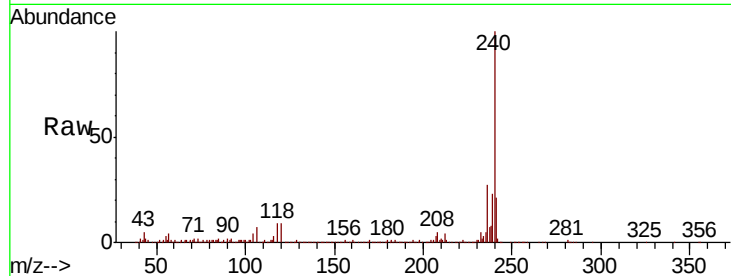




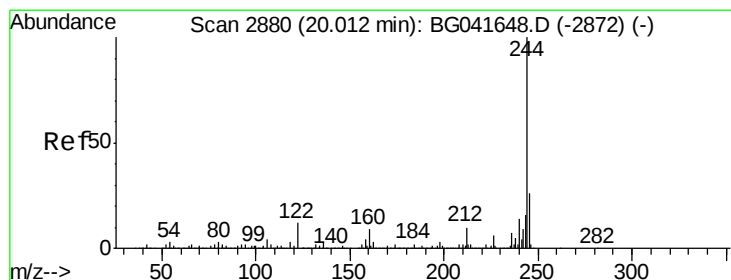
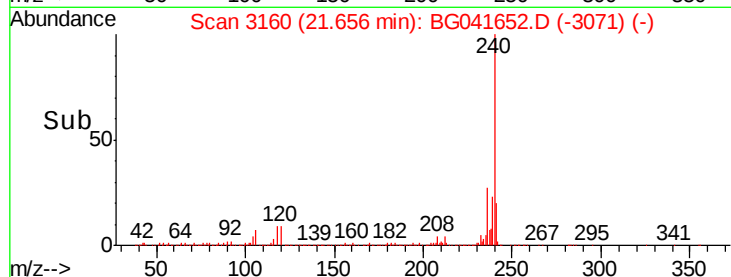
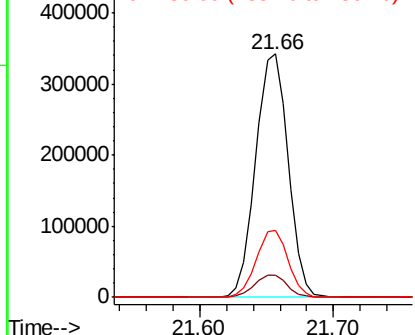
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.66 min Scan# 3160  
Delta R.T. -0.01 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Instrument :  
BNA\_G  
ClientSampleId :  
HD-02-071119

Tot Ion:240 Resp: 575165  
Ion Ratio Lower Upper  
240 100  
120 9.2 8.0 12.0  
236 27.4 22.6 33.8

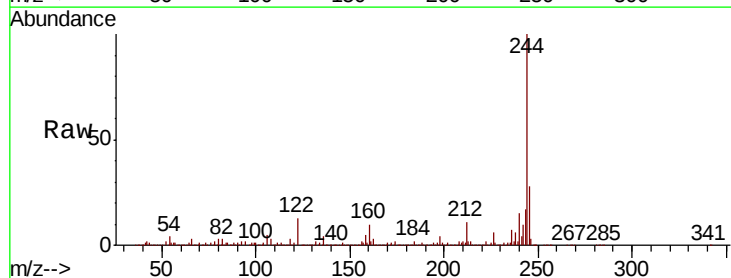


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

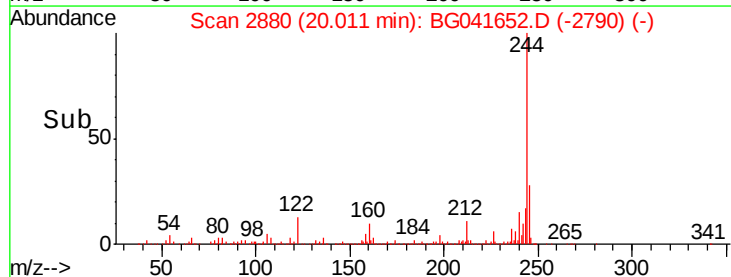
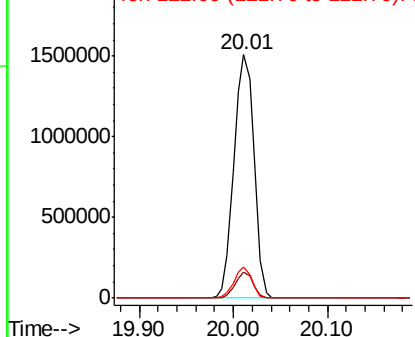


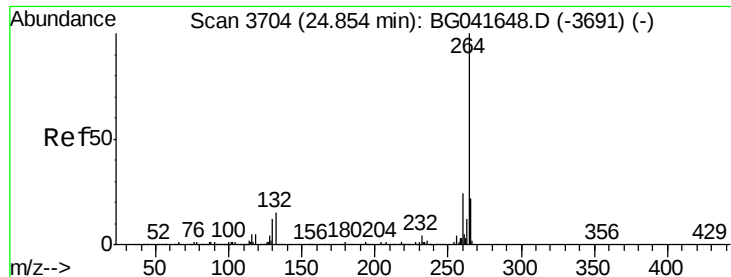
#79  
Terphenyl-d14  
Concen: 90.962 ng  
RT: 20.01 min Scan# 2880  
Delta R.T. 0.00 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Tgt Ion:244 Resp: 2238808  
Ion Ratio Lower Upper  
244 100  
212 10.9 9.7 14.5  
122 12.9 12.5 18.7



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





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.85 min Scan# 3703  
Delta R.T. -0.02 min  
Lab File: BG041652.D  
Acq: 15 Jul 2019 16:59

Instrument :  
BNA\_G  
ClientSampleId :  
HD-02-071119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.5  | 29.3  |
| 265     | 21.7  | 18.0  | 27.0  |

