

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101015\  
 Data File : BG019145.D  
 Acq On : 11 Oct 2015 8:34  
 Operator : UM/NP  
 Sample : G3971-01  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CS-7

Quant Time: Oct 12 07:26:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 07:23:23 2015  
 Response via : Initial Calibration

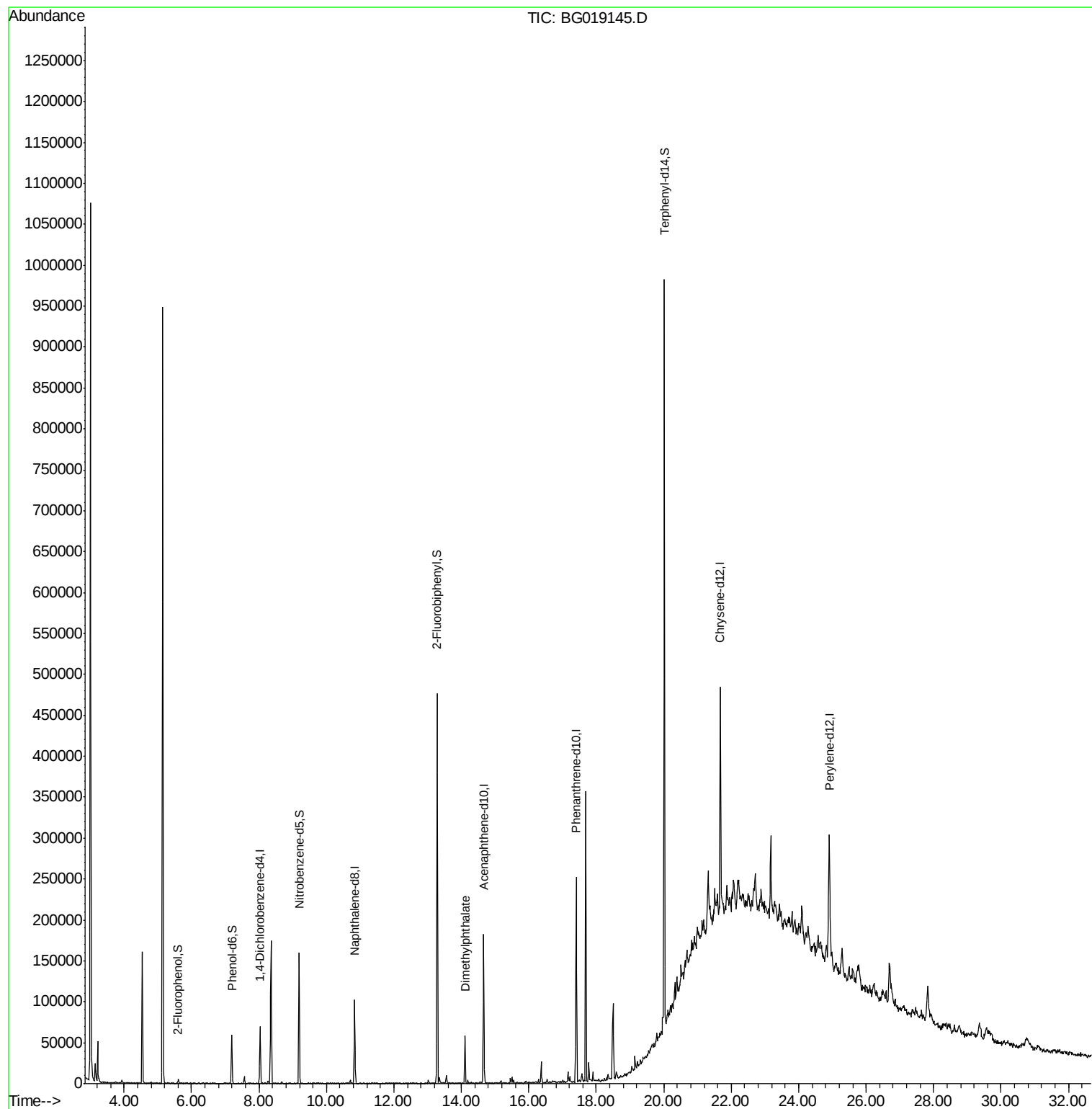
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 18585    | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.83 | 136  | 82297    | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.66 | 164  | 60148    | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.40 | 188  | 146892   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 21.67 | 240  | 162041   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 24.91 | 264  | 164515   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.61  | 112  | 1849     | 2.03  | ng    | 0.00         |
| 7) Phenol-d6                | 7.19  | 99   | 32447    | 23.14 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 90253    | 60.60 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 241546   | 61.75 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.02 | 244  | 380304   | 62.00 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 14.11 | 163  | 35341    | 7.44  | ng    | Qvalue<br>98 |

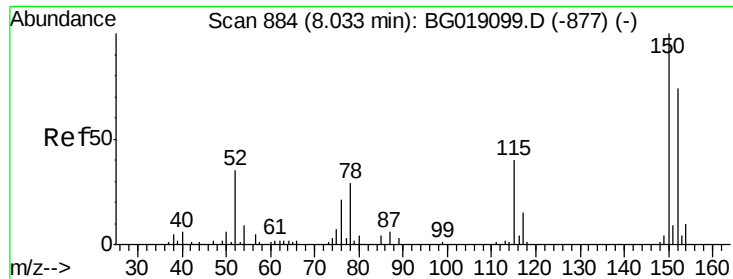
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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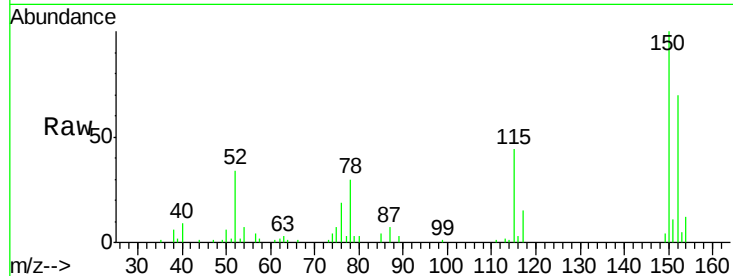


#1

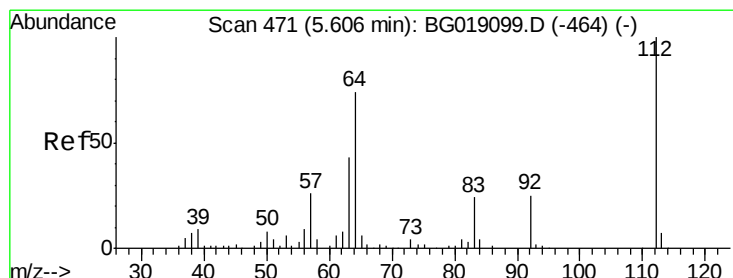
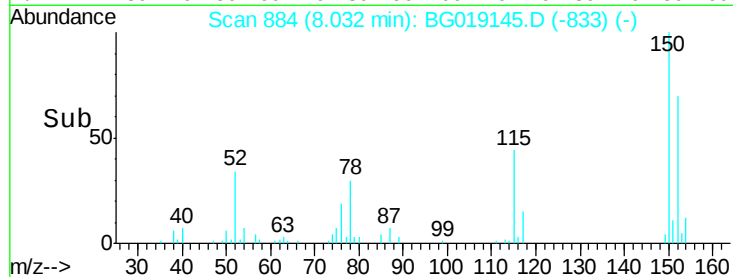
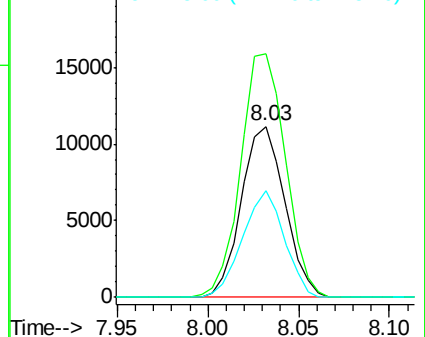
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BG019145.D  
Acq: 11 Oct 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
CS-7

Tgt Ion:152 Resp: 18585  
Ion Ratio Lower Upper  
152 100  
150 142.7 108.2 162.2  
115 62.4 43.2 64.8



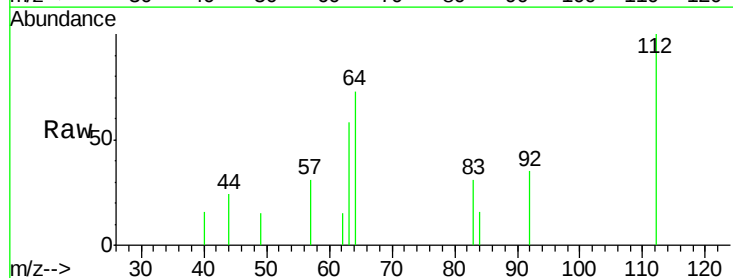
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



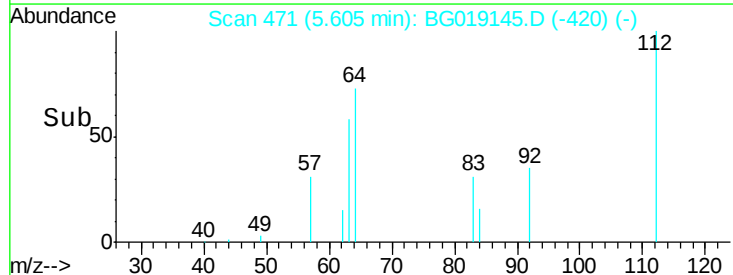
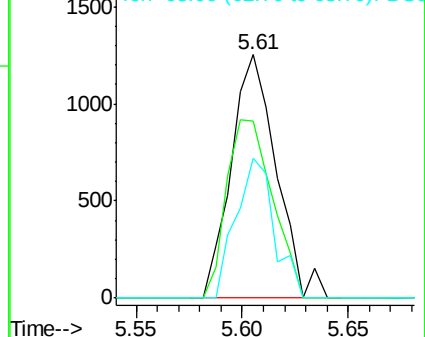
#5

2-Fluorophenol  
Concen: 2.03 ng  
RT: 5.61 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: BG019145.D  
Acq: 11 Oct 2015 8:34

Tgt Ion:112 Resp: 1849  
Ion Ratio Lower Upper  
112 100  
64 73.0 59.0 88.4  
63 57.6 34.7 52.1#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 23.14 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019145.D

Acq: 11 Oct 2015 8:34

Instrument :

BNA\_G

ClientSampleId :

CS-7

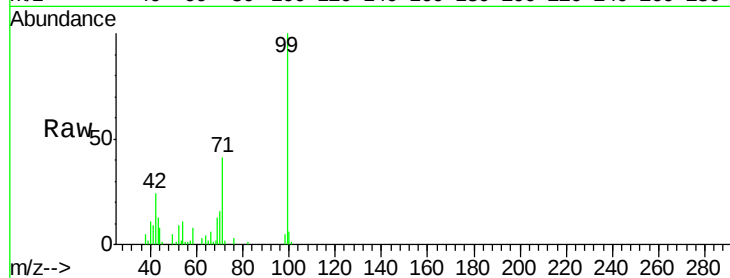
Tgt Ion: 99 Resp: 32447

Ion Ratio Lower Upper

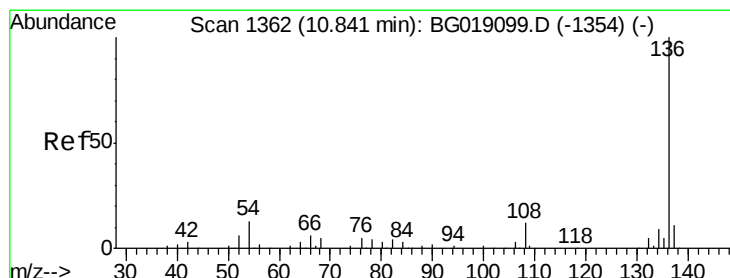
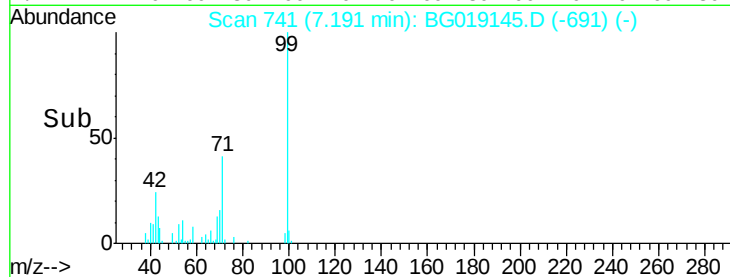
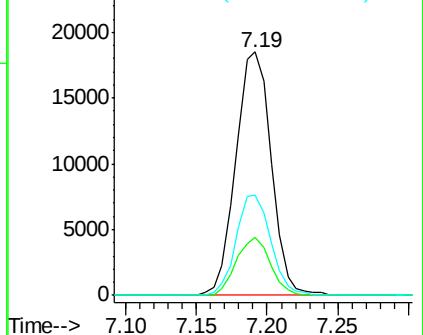
99 100

42 24.1 19.5 29.3

71 41.3 31.4 47.0



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: 20.00 ng

RT: 10.83 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BG019145.D

Acq: 11 Oct 2015 8:34

Tgt Ion: 136 Resp: 82297

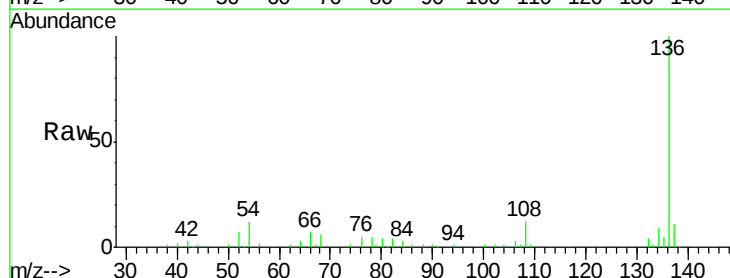
Ion Ratio Lower Upper

136 100

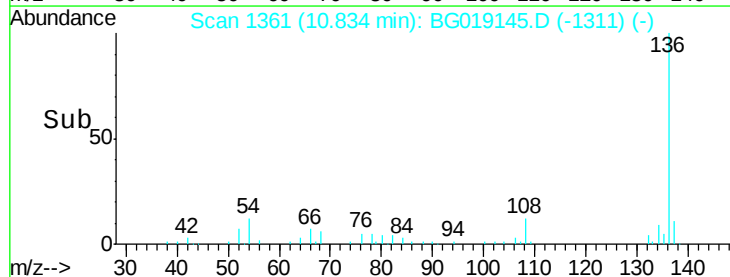
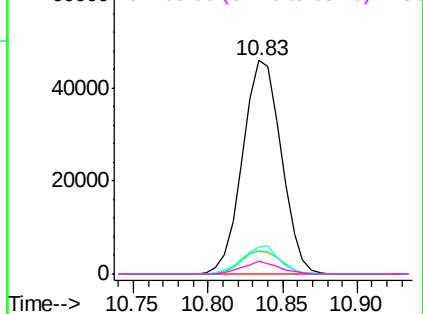
137 10.6 9.0 13.4

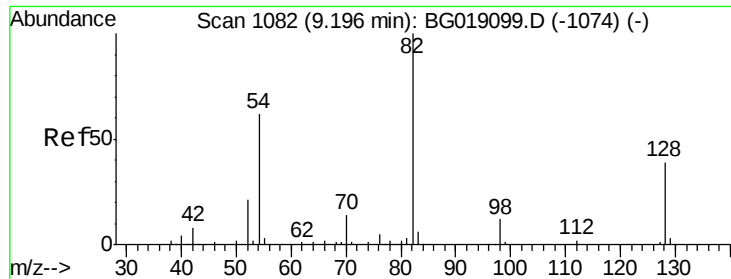
54 12.3 10.1 15.1

68 6.1 4.4 6.6



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

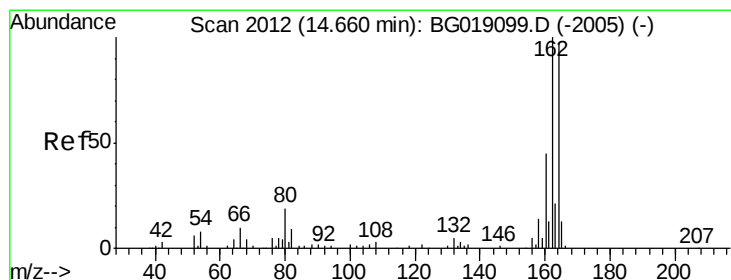
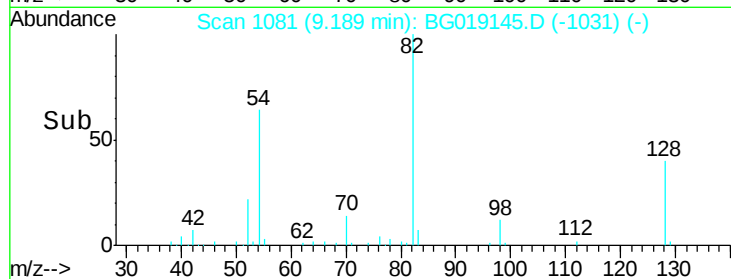
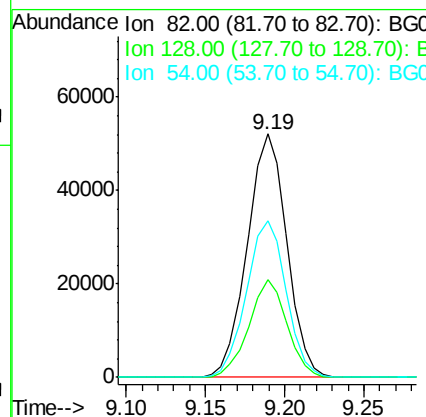
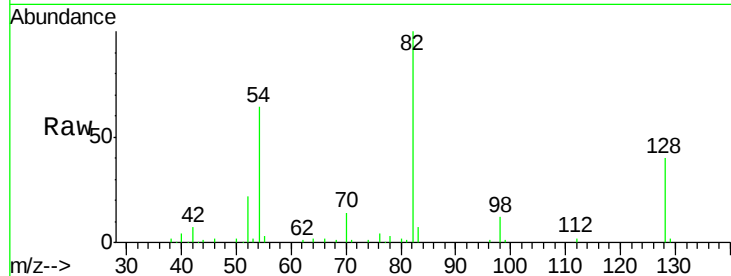




#23  
 Nitrobenzene-d5  
 Concen: 60.60 ng  
 RT: 9.19 min Scan# 1081  
 Delta R.T. -0.01 min  
 Lab File: BG019145.D  
 Acq: 11 Oct 2015 8:34

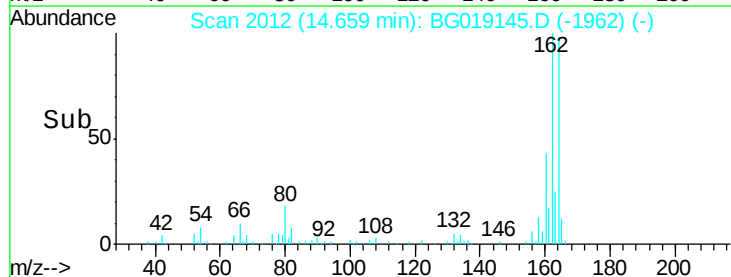
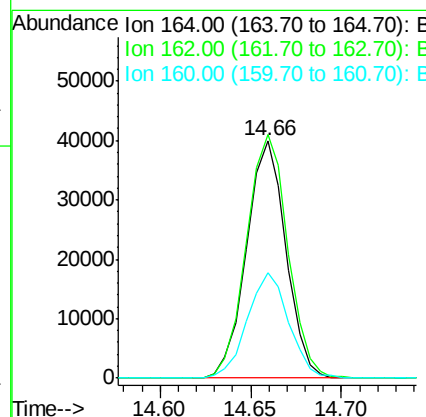
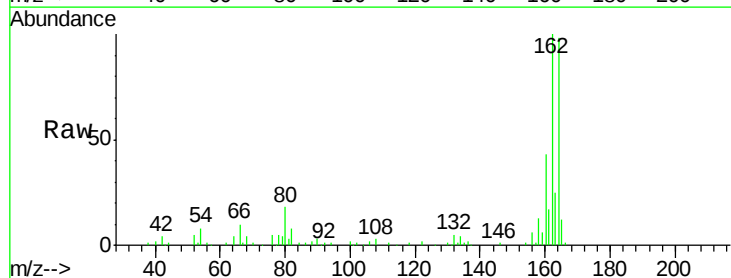
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CS-7

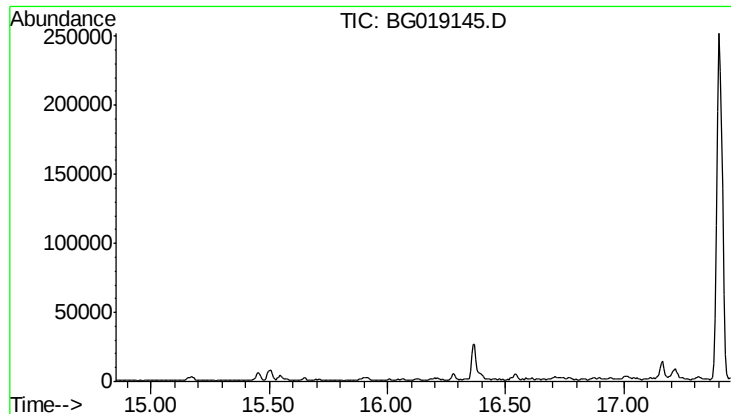
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.4  | 31.4  | 47.2  |
| 54      | 64.1  | 50.0  | 75.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.66 min Scan# 2012  
 Delta R.T. -0.01 min  
 Lab File: BG019145.D  
 Acq: 11 Oct 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.5 | 82.6  | 124.0 |
| 160     | 44.3  | 36.9  | 55.3  |





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 16.15 min

Lab File: BG019145.D

Acq: 11 Oct 2015 8:34

Instrument :

BNA\_G

ClientSampleId :

CS-7

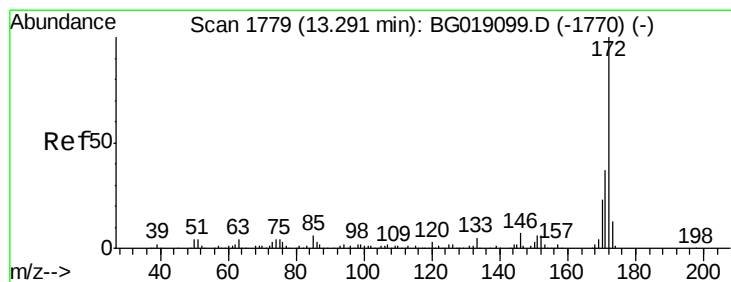
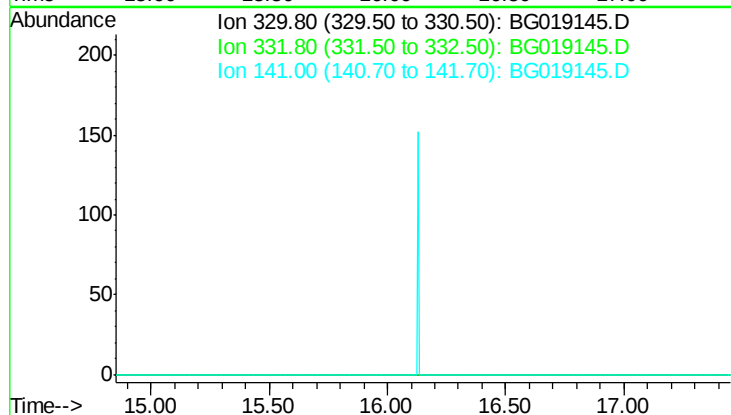
Tgt Ion: 330

Sig Exp Ratio

330 100

332 96.6

141 38.4



#44

2-Fluorobiphenyl

Concen: 61.75 ng

RT: 13.28 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BG019145.D

Acq: 11 Oct 2015 8:34

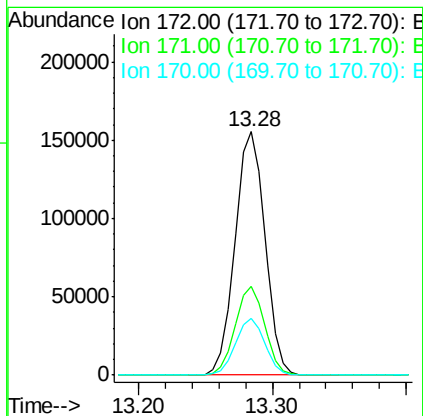
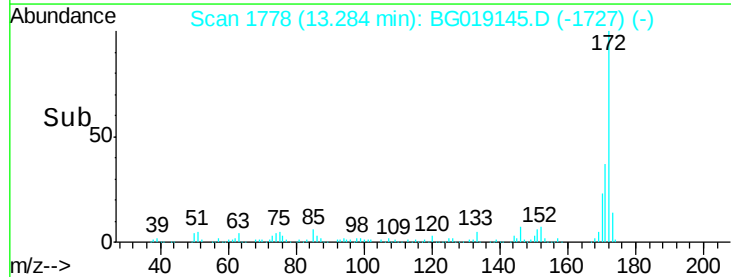
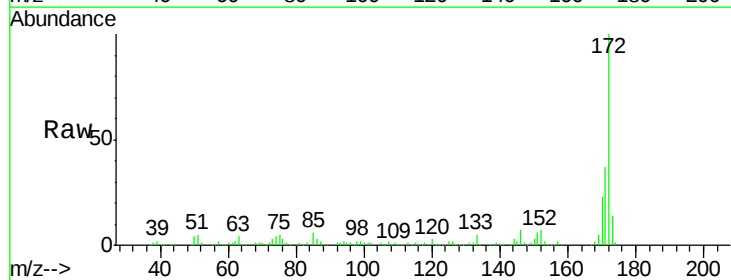
Tgt Ion: 172 Resp: 241546

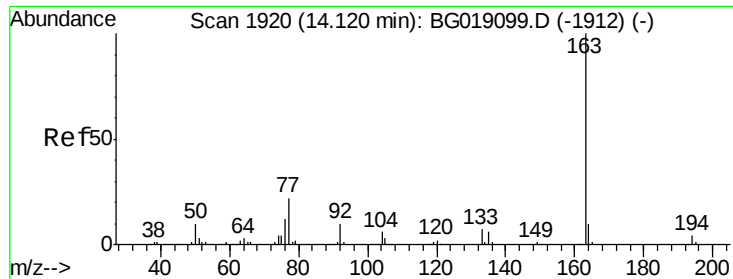
Ion Ratio Lower Upper

172 100

171 36.5 29.9 44.9

170 23.2 18.6 27.8





#49

Dimethylphthalate

Concen: 7.44 ng

RT: 14.11 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BG019145.D

Acq: 11 Oct 2015 8:34

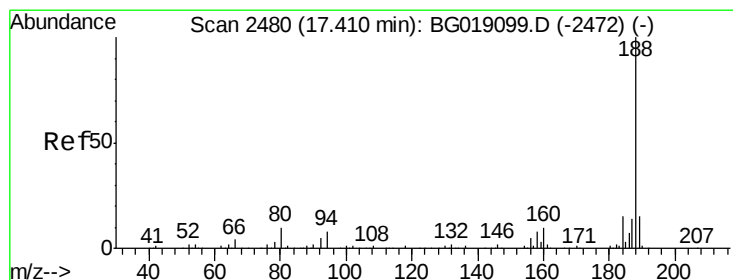
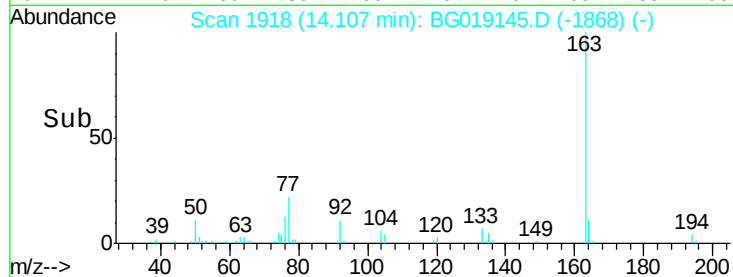
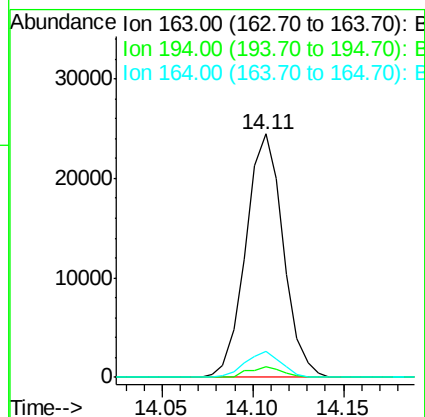
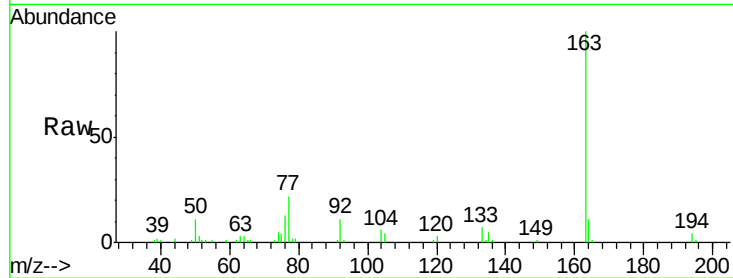
Instrument :

BNA\_G

ClientSampleId :

CS-7

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 35341 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.3   | 3.2   | 4.8   |
| 164      | 10.8  | 8.1   | 12.1  |



#63

Phenanthrene-d10

Concen: 20.00 ng

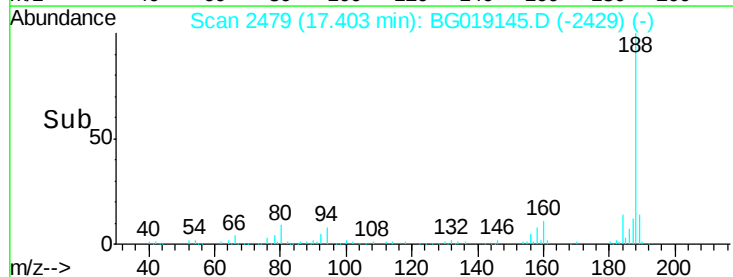
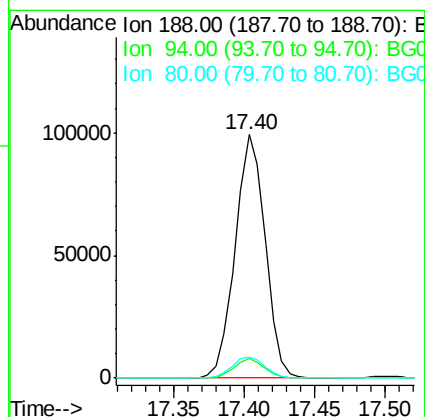
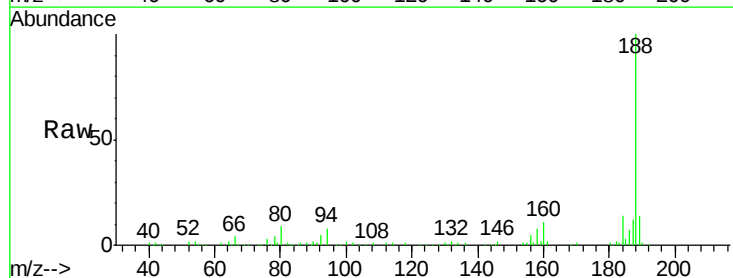
RT: 17.40 min Scan# 2479

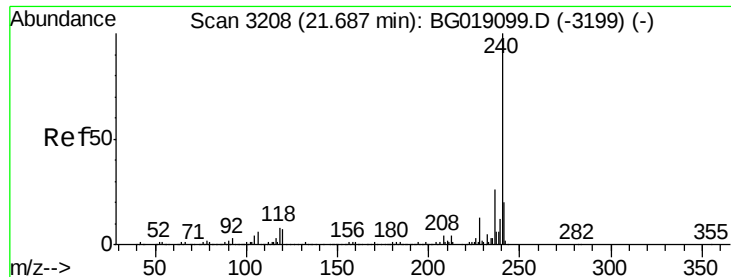
Delta R.T. -0.01 min

Lab File: BG019145.D

Acq: 11 Oct 2015 8:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 146892 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.9   | 6.4   | 9.6    |
| 80       | 8.6   | 7.6   | 11.4   |

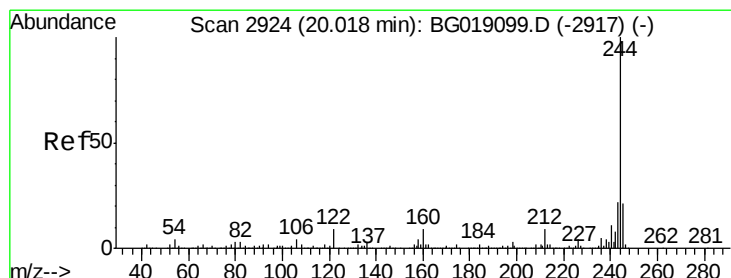
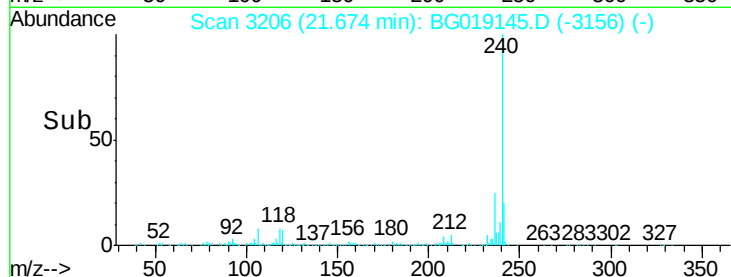
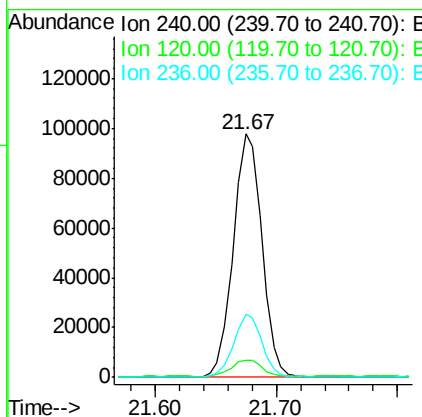
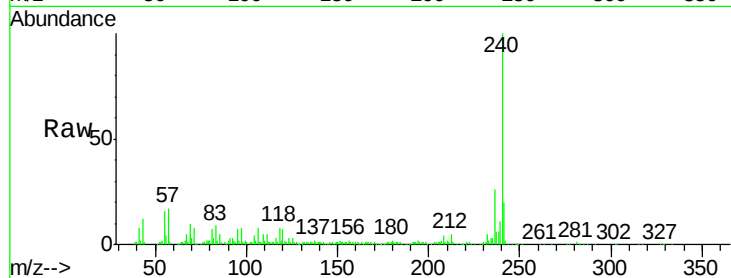




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.67 min Scan# 3206  
Delta R.T. -0.01 min  
Lab File: BG019145.D  
Acq: 11 Oct 2015 8:34

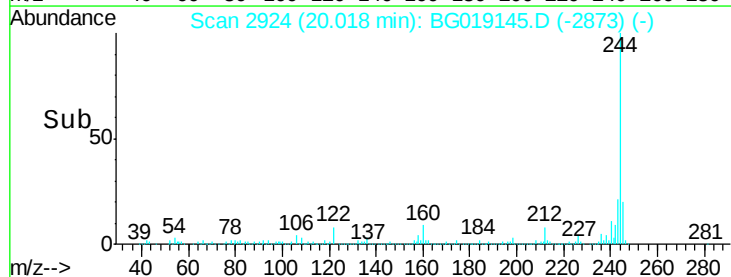
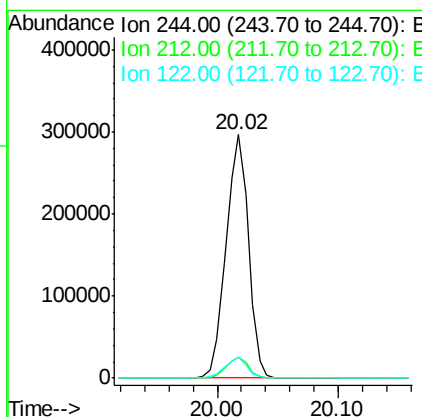
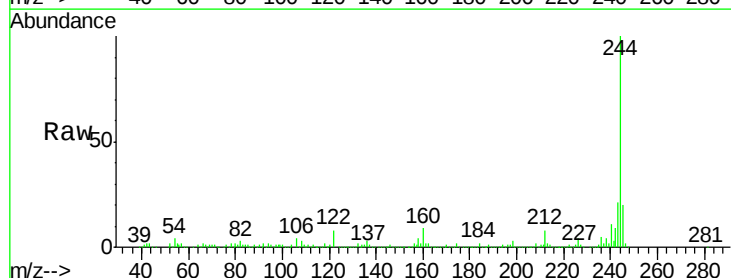
Instrument :  
BNA\_G  
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CS-7

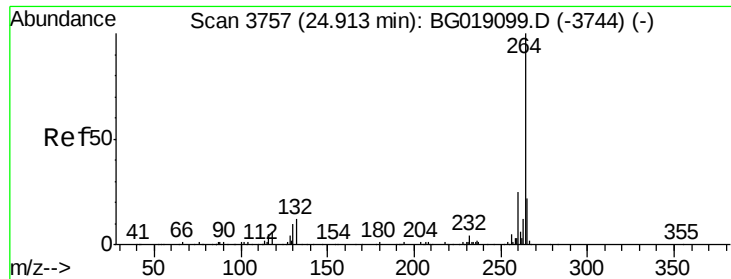
Tgt Ion:240 Resp: 162041  
Ion Ratio Lower Upper  
240 100  
120 7.1 5.8 8.6  
236 25.8 21.2 31.8



#78  
Terphenyl-d14  
Concen: 62.00 ng  
RT: 20.02 min Scan# 2924  
Delta R.T. 0.00 min  
Lab File: BG019145.D  
Acq: 11 Oct 2015 8:34

Tgt Ion:244 Resp: 380304  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.8 10.2  
122 8.4 7.4 11.2





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.91 min Scan# 3757  
Delta R.T. 0.01 min  
Lab File: BG019145.D  
Acq: 11 Oct 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
CS-7

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 164515 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.4  | 20.1  | 30.1   |
| 265      | 21.4  | 17.2  | 25.8   |

