

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080316\  
 Data File : BG023430.D  
 Acq On : 3 Aug 2016 18:03  
 Operator : UM/SJ  
 Sample : H4287-13  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-61-19.0-20.0

Quant Time: Aug 04 02:32:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

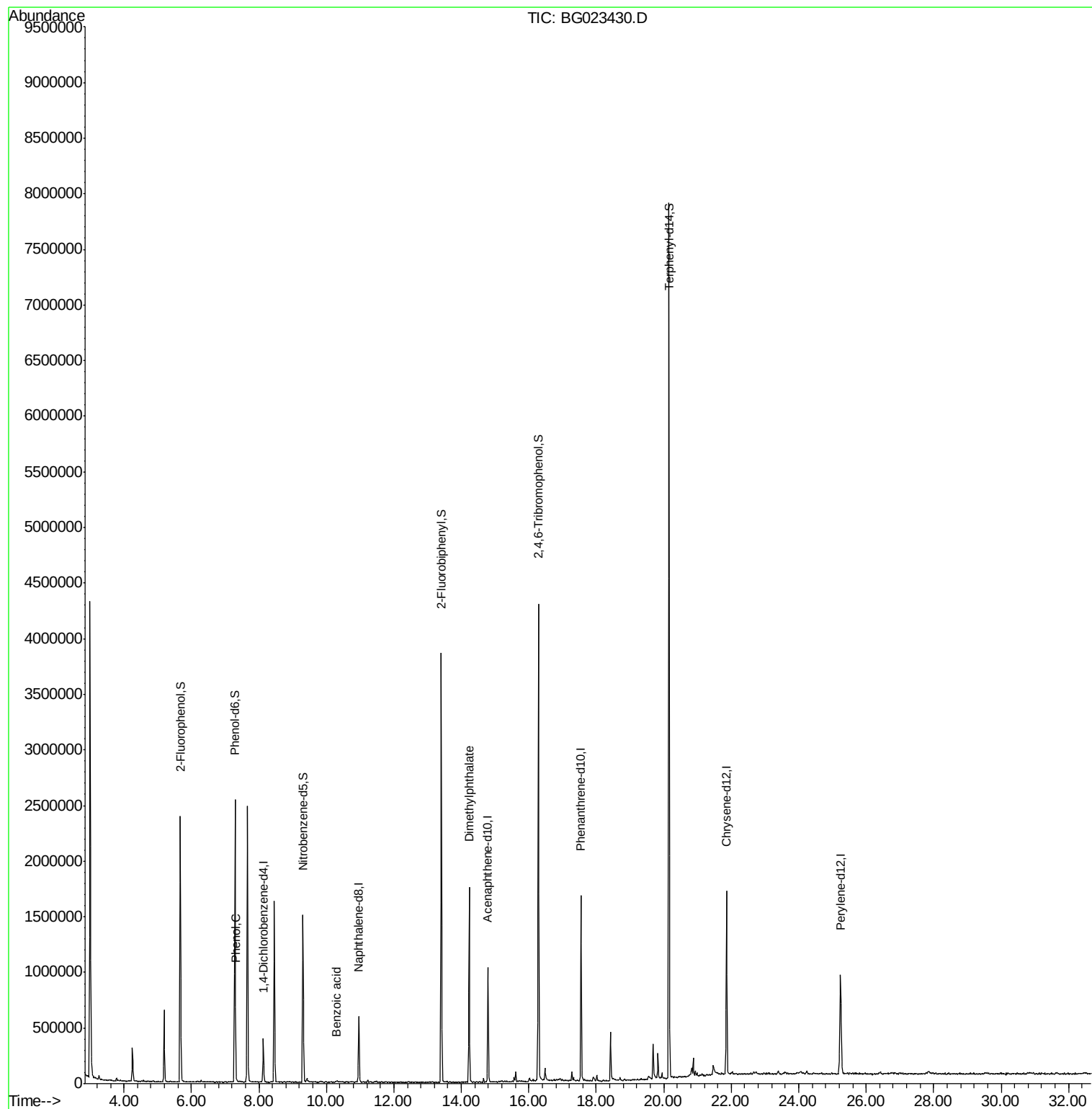
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 111676   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.96 | 136  | 483314   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.79 | 164  | 357817   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 970106   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.86 | 240  | 1030683  | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 25.25 | 264  | 986930   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 1052701  | 158.67    | ng    | 0.00     |
| 7) Phenol-d6                | 7.29  | 99   | 1540860  | 149.11    | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 981067   | 100.92    | ng    | 0.01     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 810483   | 154.86    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 1933289  | 91.13     | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.16 | 244  | 2845067  | 86.79     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 7.22  | 77   | 164      | Below Cal | #     | 8        |
| 10) Phenol                  | 7.31  | 94   | 25311    | 2.29 ng   | #     | 77       |
| 32) Benzoic acid            | 10.29 | 122  | 118      | 6.46 ng   | #     | 1        |
| 49) Dimethylphthalate       | 14.23 | 163  | 1107035  | 40.32 ng  |       | 97       |
| 73) Di-n-butylphthalate     | 18.50 | 149  | 5669     | Below Cal | #     | 88       |
| 74) Fluoranthene            | 19.61 | 202  | 1134     | Below Cal | #     | 60       |
| 77) Pyrene                  | 19.97 | 202  | 984      | Below Cal | #     | 70       |

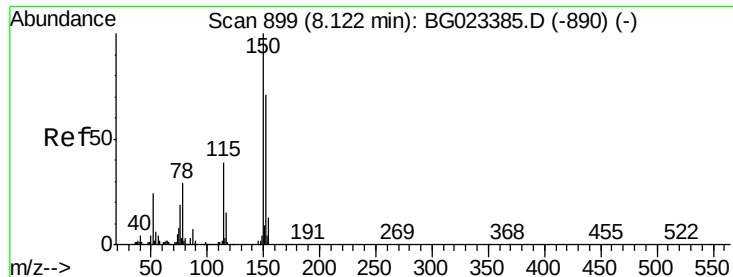
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 900

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

Instrument :

BNA\_G

ClientSampleId :

SB-61-19.0-20.0

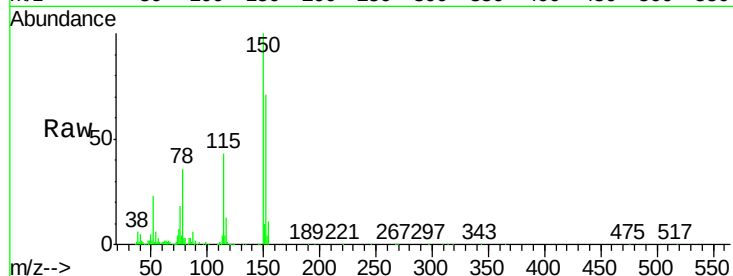
Tgt Ion:152 Resp: 111676

Ion Ratio Lower Upper

152 100

150 140.8 144.7 217.1#

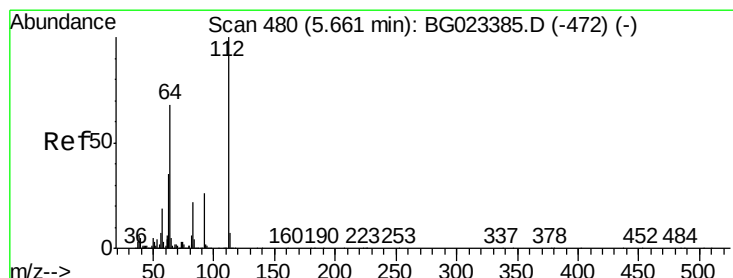
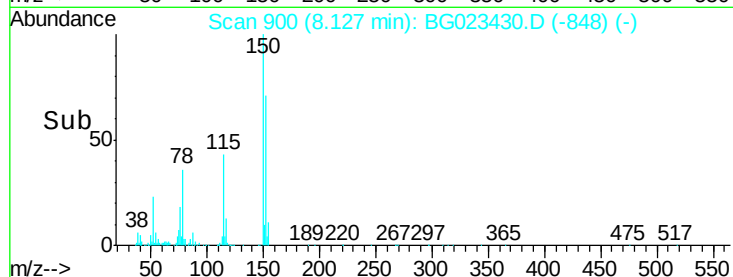
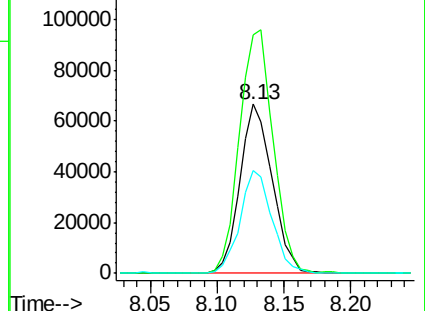
115 60.6 64.0 96.0#



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: 158.67 ng

RT: 5.67 min Scan# 481

Delta R.T. 0.01 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

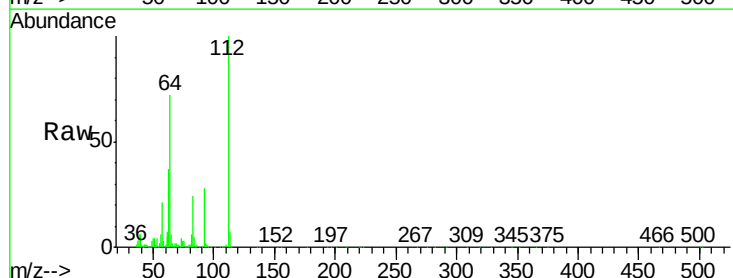
Tgt Ion:112 Resp: 1052701

Ion Ratio Lower Upper

112 100

64 72.3 59.0 88.4

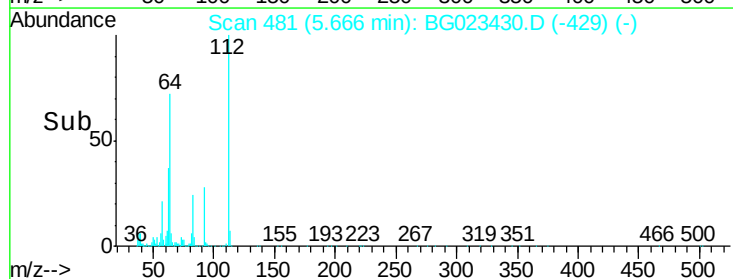
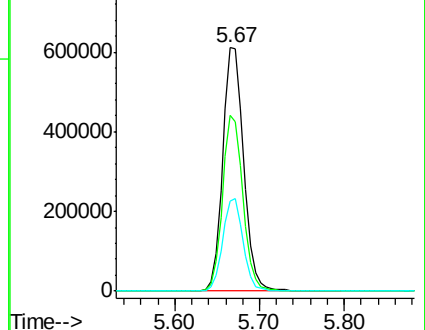
63 36.8 37.8 56.8#

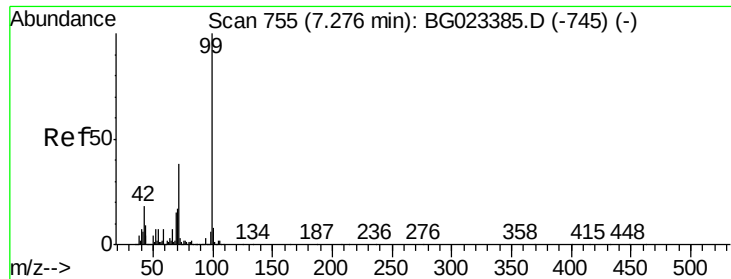


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 149.11 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.01 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

Instrument :

BNA\_G

ClientSampleId :

SB-61-19.0-20.0

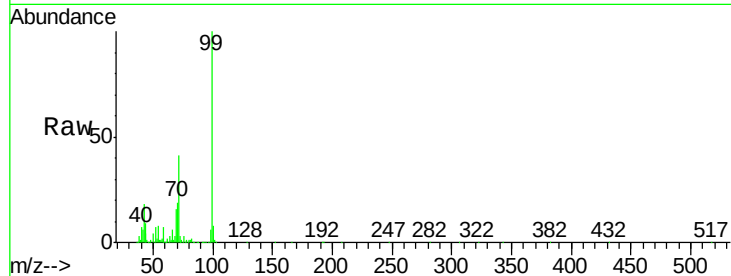
Tgt Ion: 99 Resp: 1540860

Ion Ratio Lower Upper

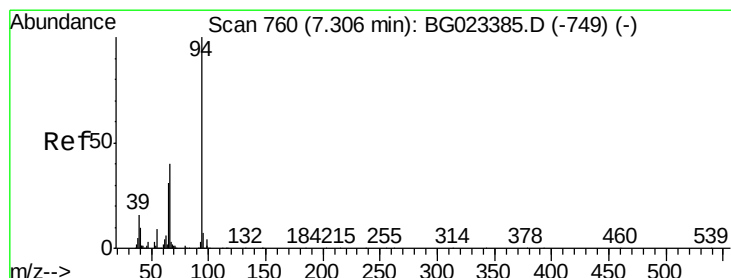
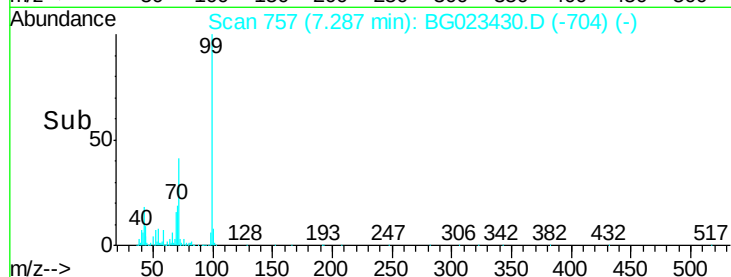
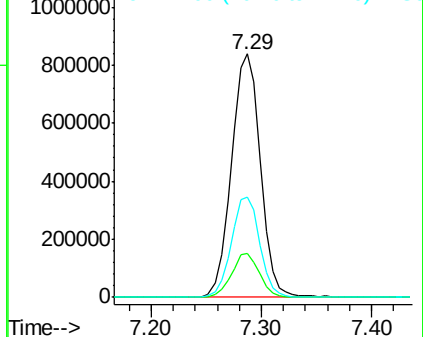
99 100

42 18.3 17.8 26.6

71 41.0 41.5 62.3#



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



#10

Phenol

Concen: 2.29 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

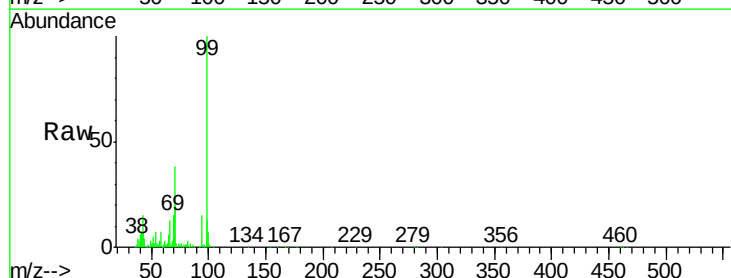
Tgt Ion: 94 Resp: 25311

Ion Ratio Lower Upper

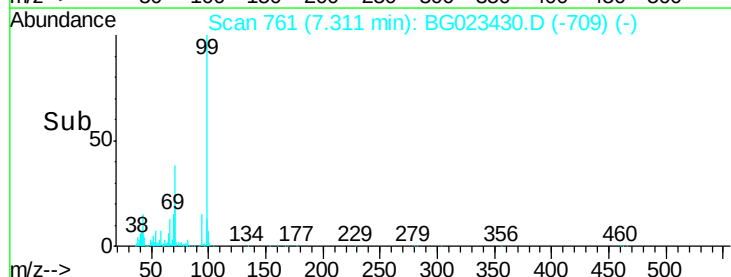
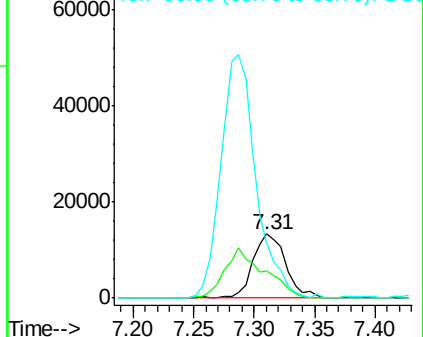
94 100

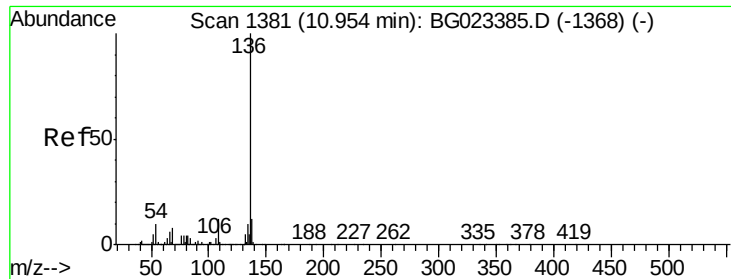
65 42.3 18.1 58.1

66 87.0 42.1 82.1#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

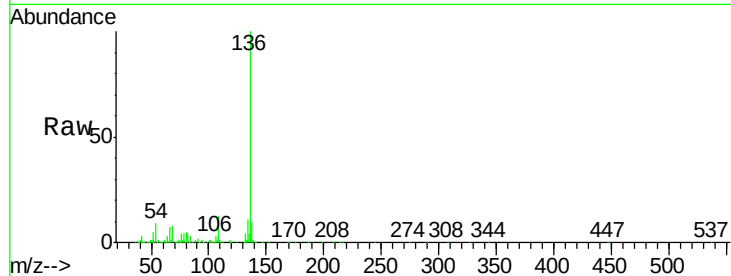




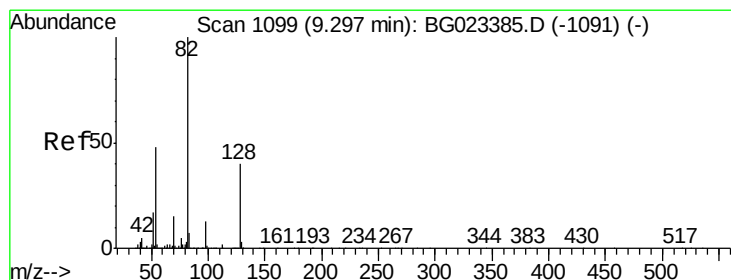
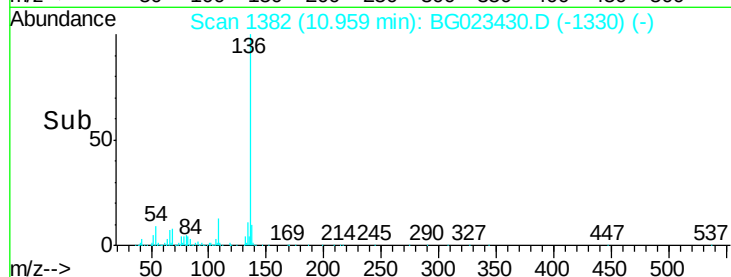
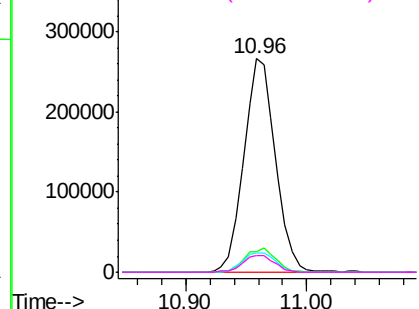
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.96 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: BG023430.D  
Acq: 3 Aug 2016 18:03

Instrument :  
BNA\_G  
ClientSampleId :  
SB-61-19.0-20.0

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 483314 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.8   | 9.6   | 14.4   |
| 54       | 8.8   | 7.3   | 10.9   |
| 68       | 7.8   | 5.3   | 7.9    |

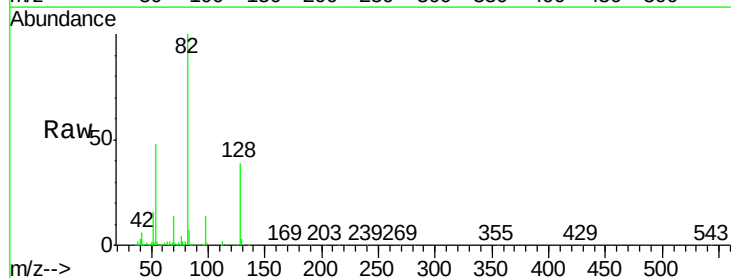


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

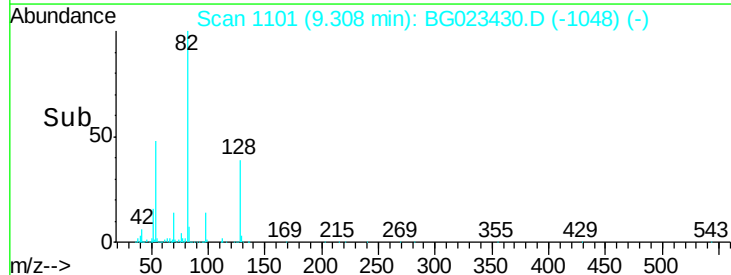
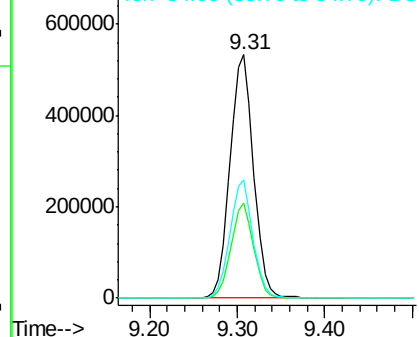


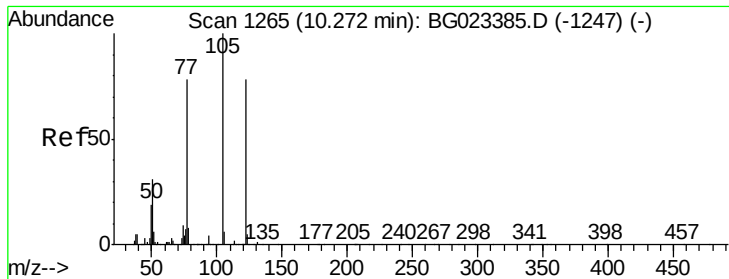
#23  
Nitrobenzene-d5  
Concen: 100.92 ng  
RT: 9.31 min Scan# 1101  
Delta R.T. 0.01 min  
Lab File: BG023430.D  
Acq: 3 Aug 2016 18:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 981067 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 39.2  | 24.4  | 36.6#  |
| 54       | 48.4  | 41.4  | 62.0   |



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

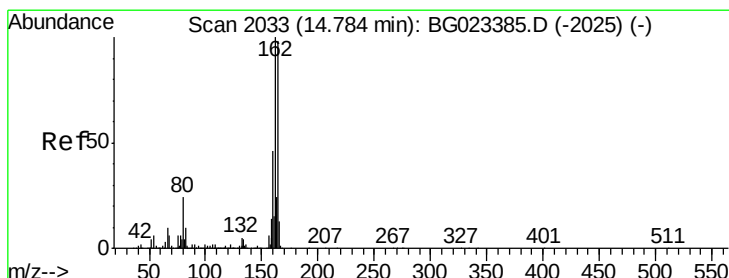
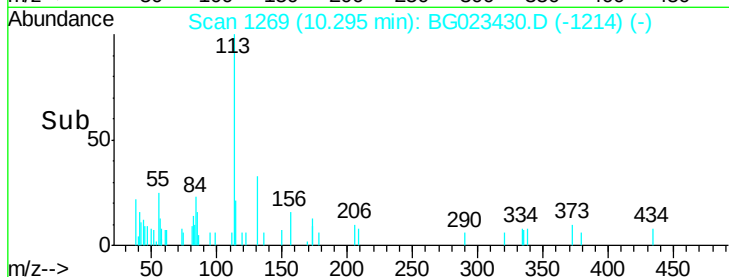
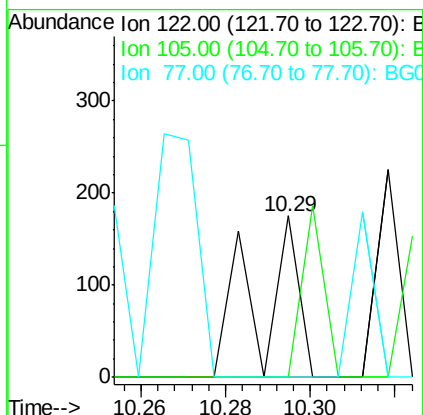
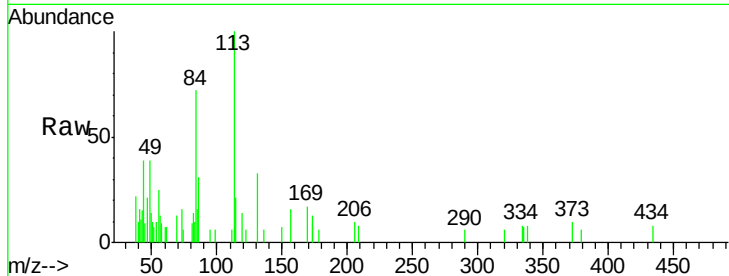




#32  
Benzoic acid  
Concen: 6.46 ng  
RT: 10.29 min Scan# 1269  
Delta R.T. 0.02 min  
Lab File: BG023430.D  
Acq: 3 Aug 2016 18:03

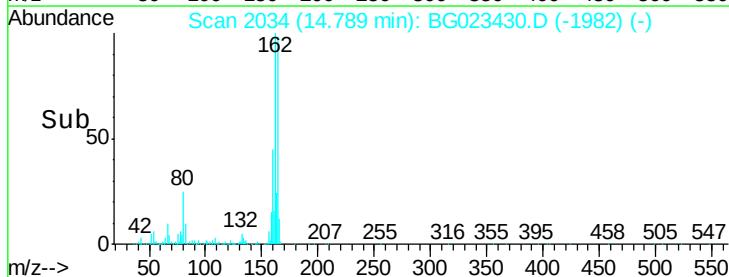
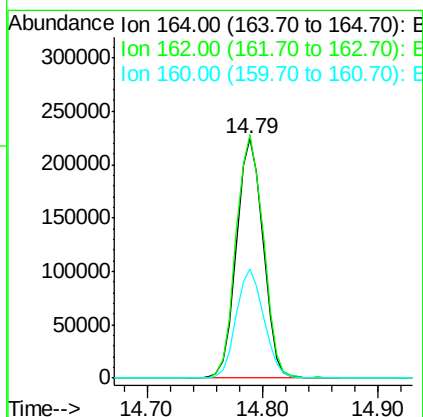
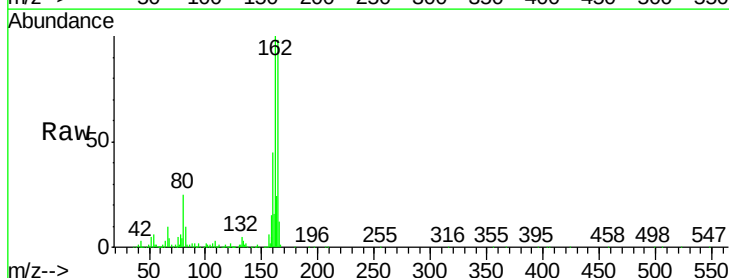
Instrument :  
BNA\_G  
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SB-61-19.0-20.0

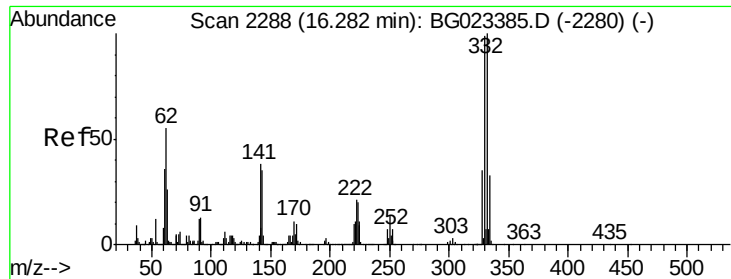
Tgt Ion:122 Resp: 118  
Ion Ratio Lower Upper  
122 100  
105 0.0 117.2 157.2#  
77 0.0 109.2 149.2#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.79 min Scan# 2034  
Delta R.T. 0.00 min  
Lab File: BG023430.D  
Acq: 3 Aug 2016 18:03

Tgt Ion:164 Resp: 357817  
Ion Ratio Lower Upper  
164 100  
162 101.8 87.7 131.5  
160 45.4 37.2 55.8





#41

2,4,6-Tribromophenol

Concen: 154.86 ng

RT: 16.29 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

Instrument :

BNA\_G

ClientSampleId :

SB-61-19.0-20.0

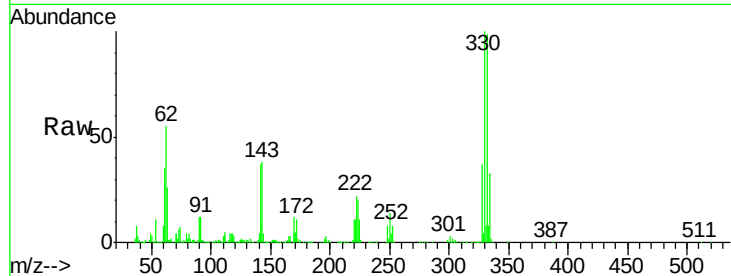
Tgt Ion:330 Resp: 810483

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

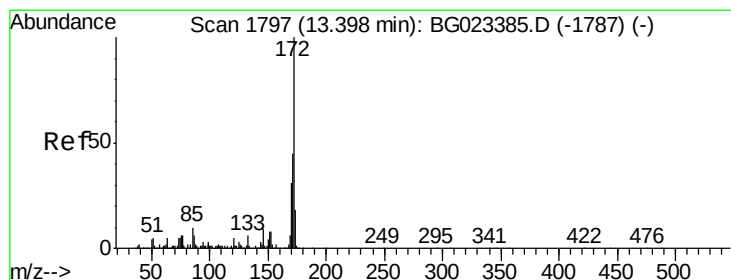
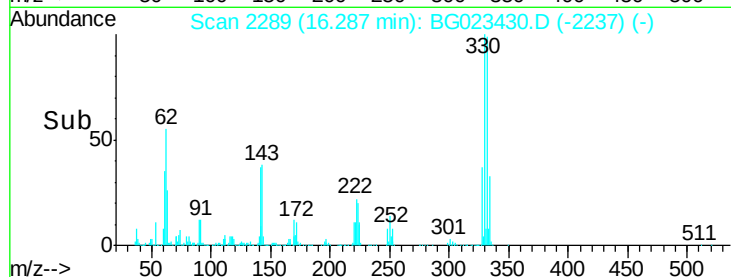
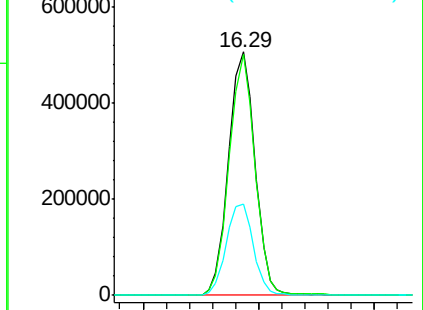
141 38.4 31.7 47.5



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: 91.13 ng

RT: 13.40 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

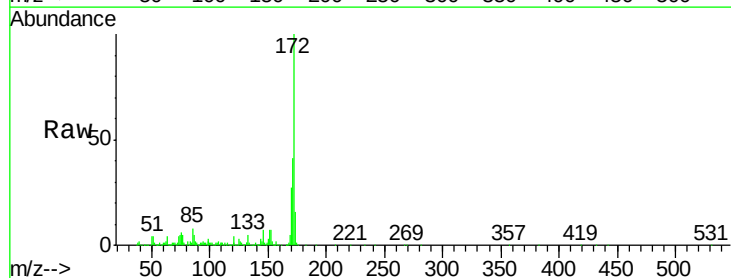
Tgt Ion:172 Resp: 1933289

Ion Ratio Lower Upper

172 100

171 40.9 31.6 47.4

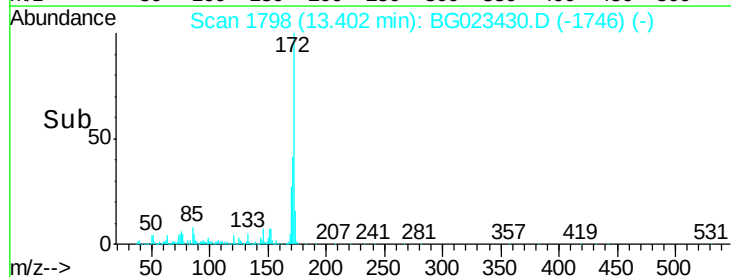
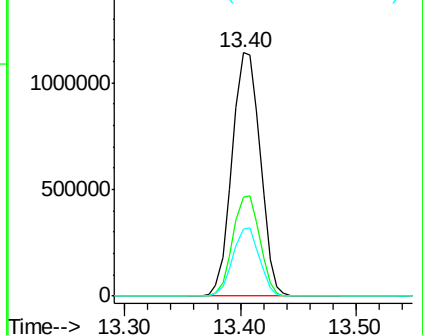
170 27.4 21.3 31.9

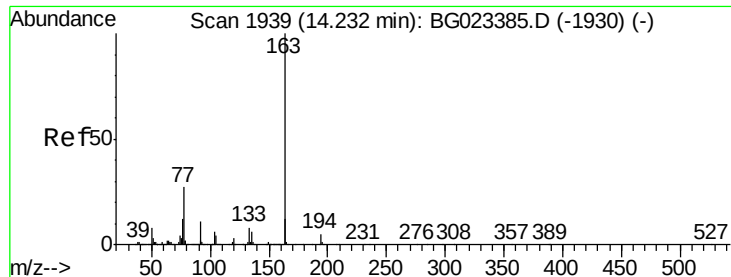


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 40.32 ng

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

Instrument :

BNA\_G

ClientSampleId :

SB-61-19.0-20.0

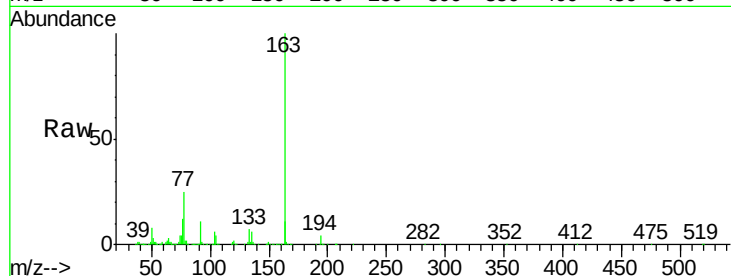
Tgt Ion:163 Resp: 1107035

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

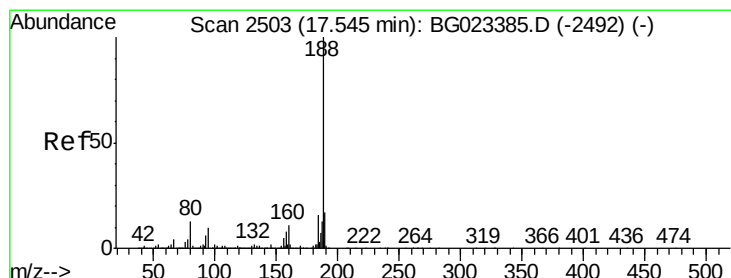
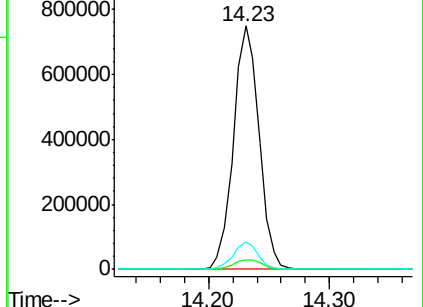
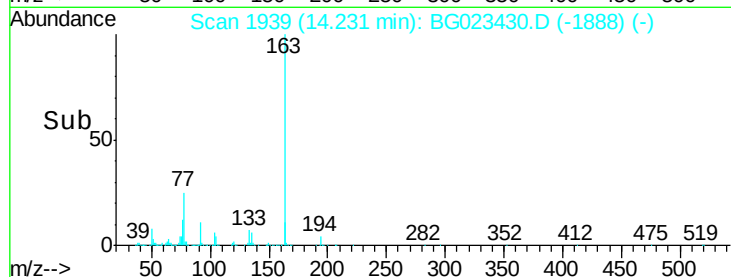
164 11.4 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

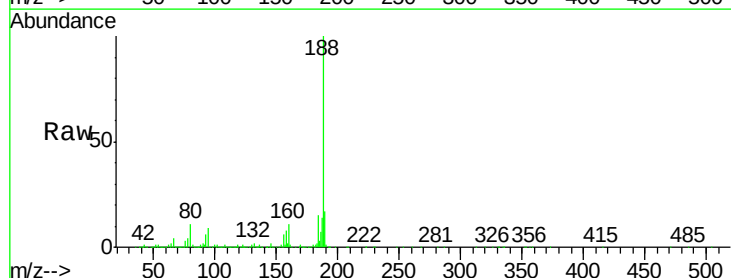
Tgt Ion:188 Resp: 970106

Ion Ratio Lower Upper

188 100

94 9.0 5.2 7.8#

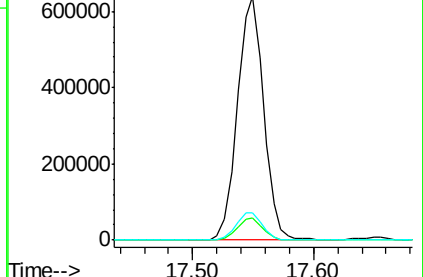
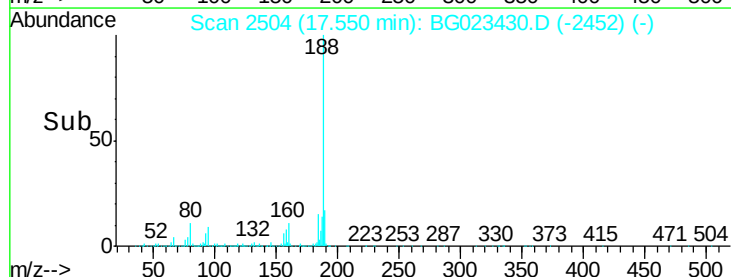
80 11.4 7.2 10.8#



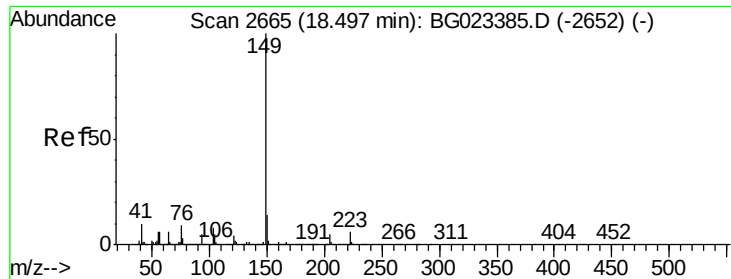
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC







#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.50 min Scan# 2665

Delta R.T. -0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

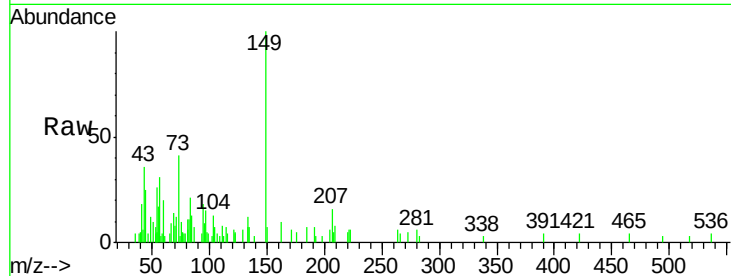
Instrument :

BNA\_G

ClientSampleId :

SB-61-19.0-20.0

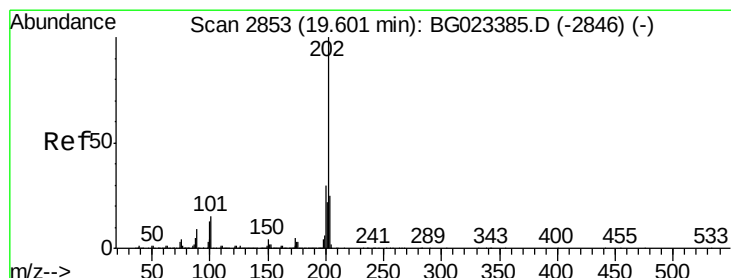
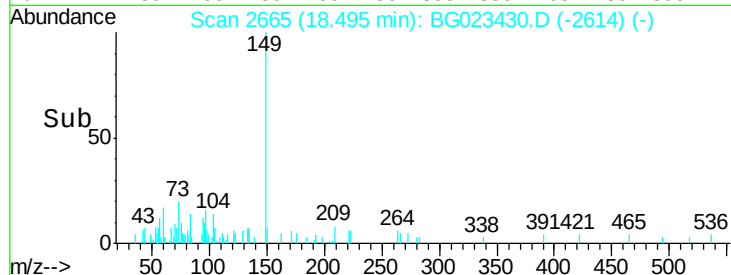
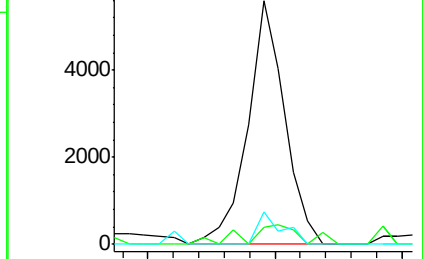
|          |        |       |       |
|----------|--------|-------|-------|
| Tgt Ion: | 149.00 | Resp: | 5669  |
| Ion      | Ratio  | Lower | Upper |
| 149      | 100    |       |       |
| 150      | 7.0    | 9.1   | 13.7# |
| 104      | 13.1   | 6.9   | 10.3# |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

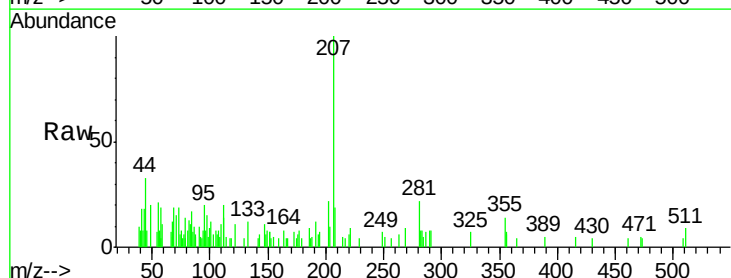
RT: 19.61 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

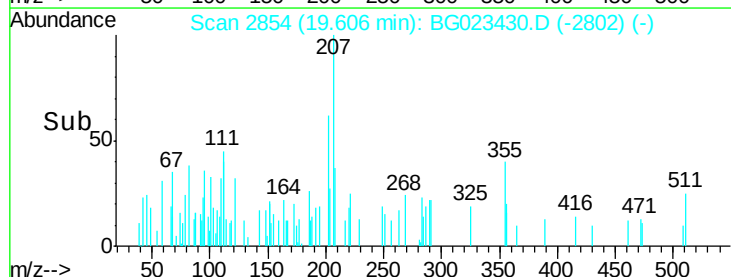
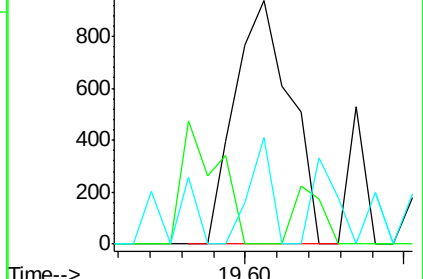
|          |        |       |       |
|----------|--------|-------|-------|
| Tgt Ion: | 202.00 | Resp: | 1134  |
| Ion      | Ratio  | Lower | Upper |
| 202      | 100    |       |       |
| 101      | 0.0    | 0.0   | 27.4  |
| 203      | 43.8   | 1.7   | 41.7# |

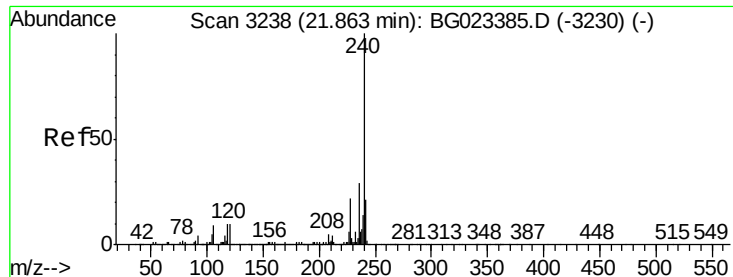


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

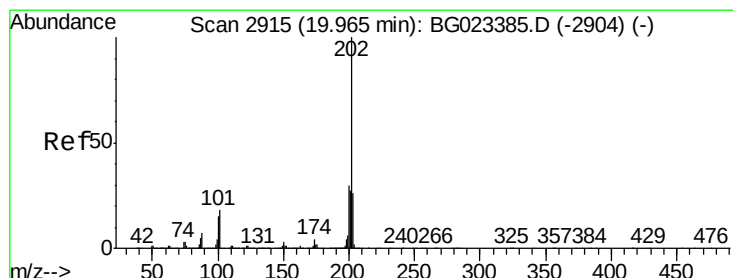
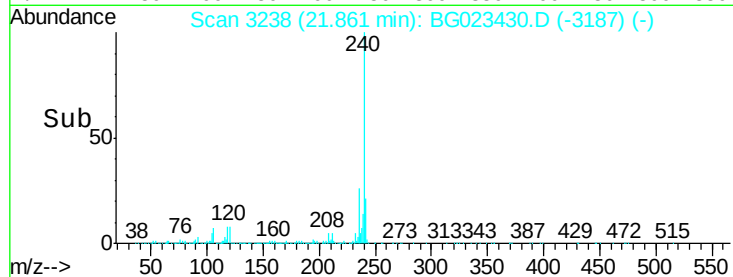
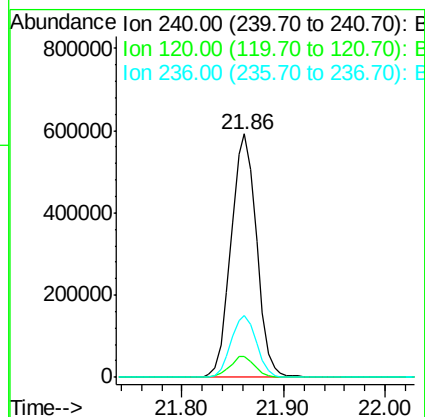
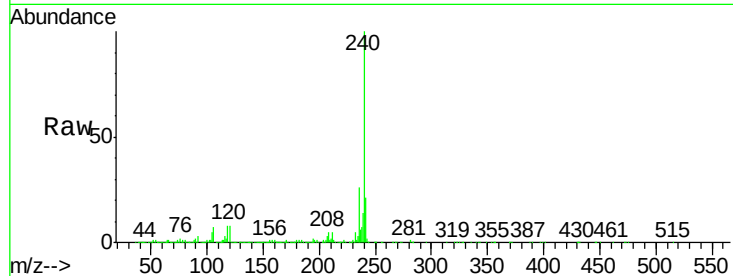




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.86 min Scan# 3238  
Delta R.T. -0.00 min  
Lab File: BG023430.D  
Acq: 3 Aug 2016 18:03

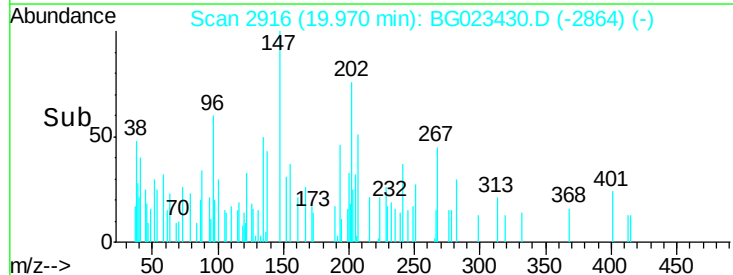
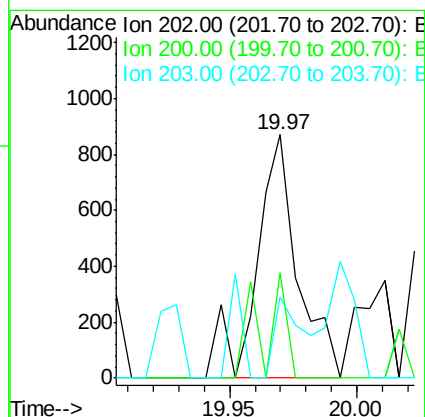
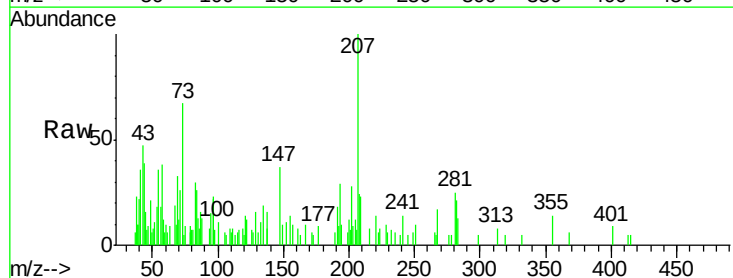
Instrument :  
BNA\_G  
ClientSampleId :  
SB-61-19.0-20.0

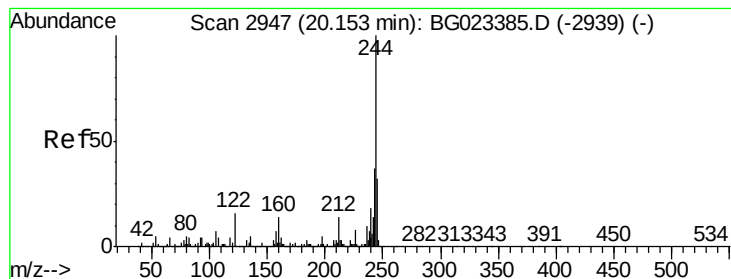
Tgt Ion:240 Resp: 1030683  
Ion Ratio Lower Upper  
240 100  
120 8.4 4.1 6.1#  
236 25.6 21.1 31.7



#77  
Pyrene  
Concen: Below Cal  
RT: 19.97 min Scan# 2916  
Delta R.T. 0.00 min  
Lab File: BG023430.D  
Acq: 3 Aug 2016 18:03

Tgt Ion:202 Resp: 984  
Ion Ratio Lower Upper  
202 100  
200 43.3 21.2 31.8#  
203 33.5 16.8 25.2#





#78

Terphenyl-d14

Concen: 86.79 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

Instrument :

BNA\_G

ClientSampleId :

SB-61-19.0-20.0

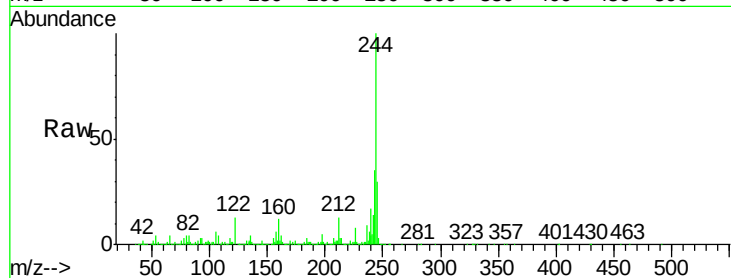
Tgt Ion:244 Resp: 2845067

Ion Ratio Lower Upper

244 100

212 13.0 10.8 16.2

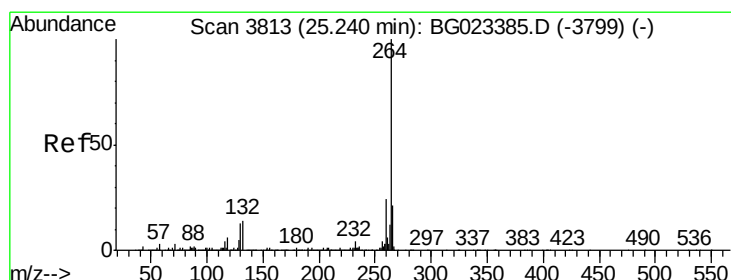
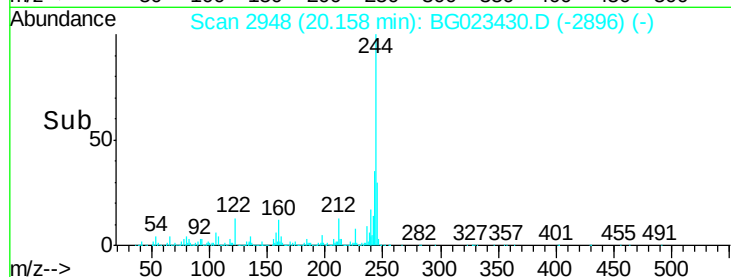
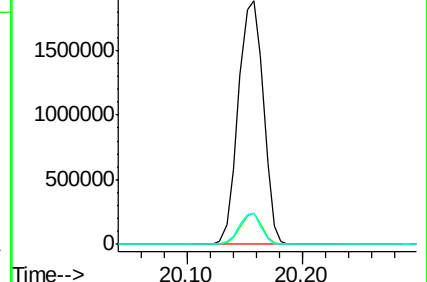
122 12.7 8.0 12.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BG023430.D

Acq: 3 Aug 2016 18:03

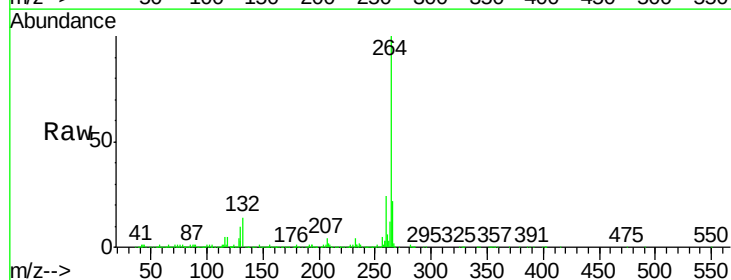
Tgt Ion:264 Resp: 986930

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.0 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

