

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081716\  
 Data File : BG023749.D  
 Acq On : 17 Aug 2016 14:22  
 Operator : UM/SJ  
 Sample : H4415-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 17 15:59:38 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

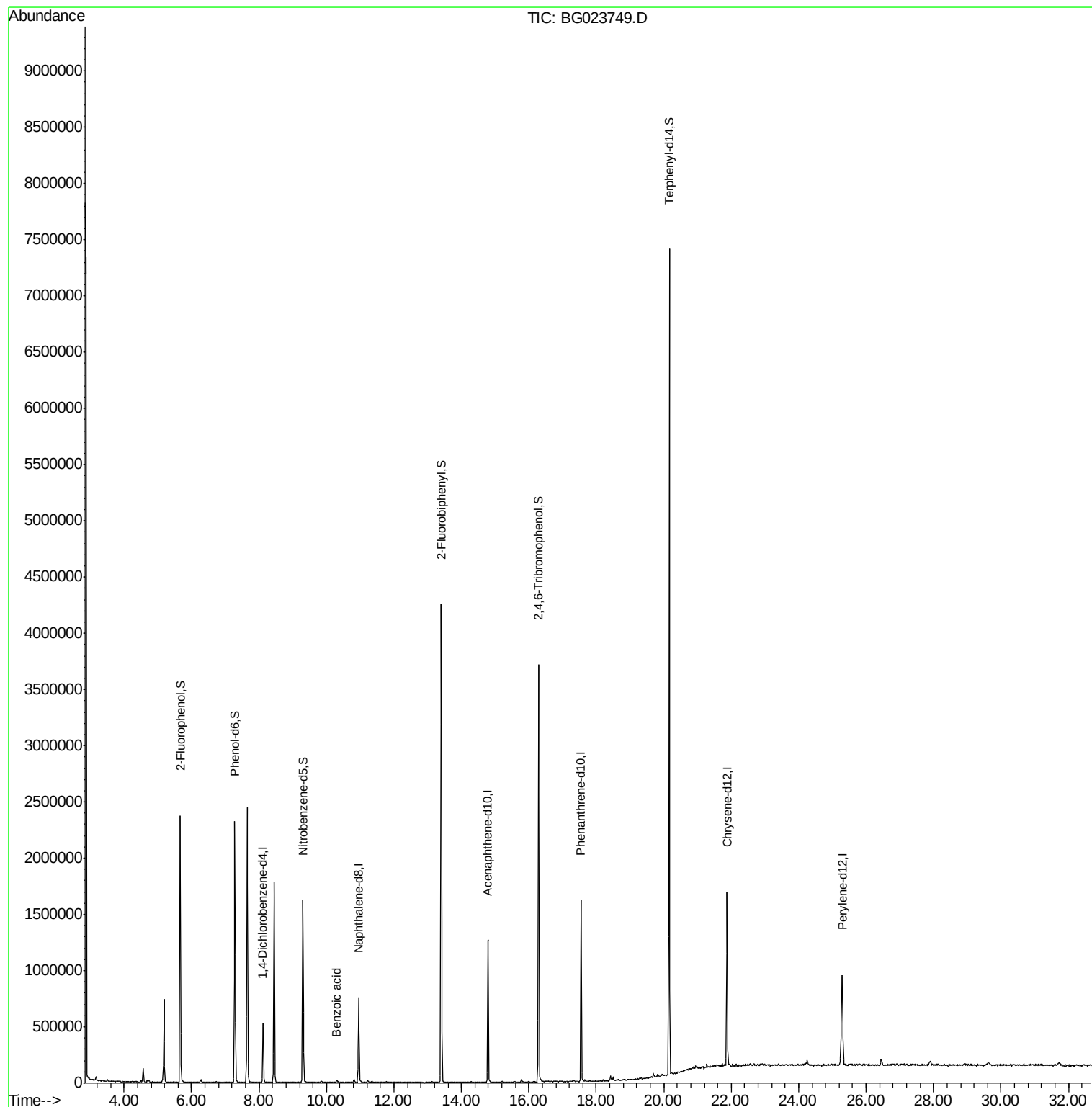
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 139286   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.96 | 136  | 632317   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.79 | 164  | 435462   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 968052   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.88 | 240  | 934357   | 20.00     | ng    | 0.01     |
| 86) Perylene-d12            | 25.29 | 264  | 930195   | 20.00     | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 962952   | 116.37    | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 1343635  | 104.25    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 1055237  | 82.97     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 688136   | 108.04    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 2071671  | 80.24     | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.16 | 244  | 2683540  | 91.30     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 7.28  | 77   | 2402     | Below Cal | #     | 8        |
| 32) Benzoic acid            | 10.28 | 122  | 770      | 6.51 ng   | #     | 55       |
| 73) Di-n-butylphthalate     | 18.50 | 149  | 29394    | Below Cal | #     | 94       |
| 74) Fluoranthene            | 19.61 | 202  | 2352     | Below Cal |       | 85       |
| 77) Pyrene                  | 19.97 | 202  | 2562     | Below Cal |       | 92       |

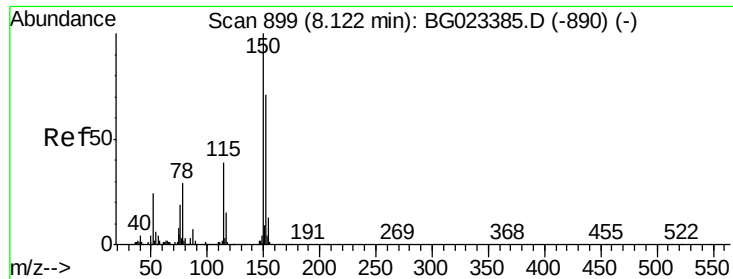
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 01 19:22:14 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 900

Delta R.T. 0.00 min

Lab File: BG023749.D

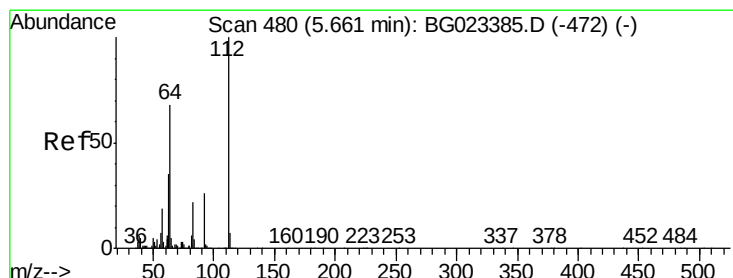
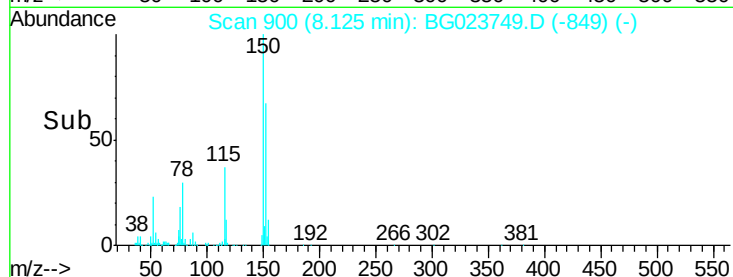
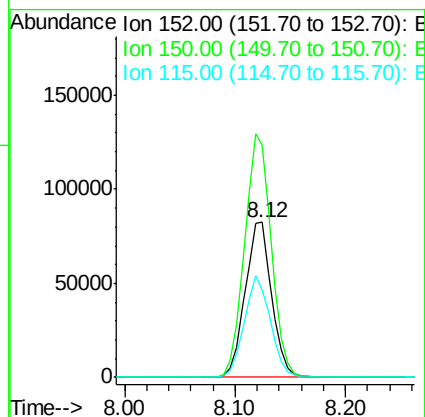
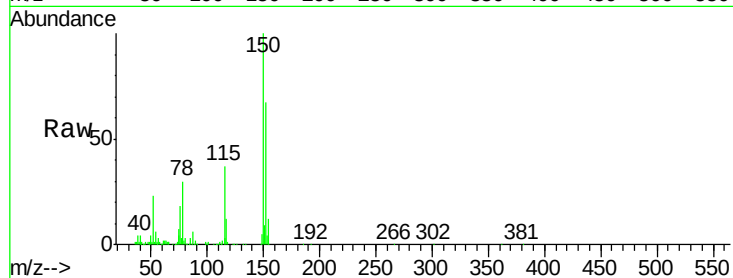
Acq: 17 Aug 2016 14:22

Instrument :

BNA\_G

ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.0 | 144.7 | 217.1 |
| 115     | 56.2  | 64.0  | 96.0  |



#5

2-Fluorophenol

Concen: 116.37 ng

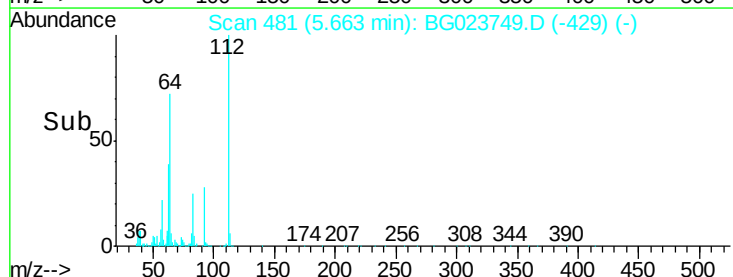
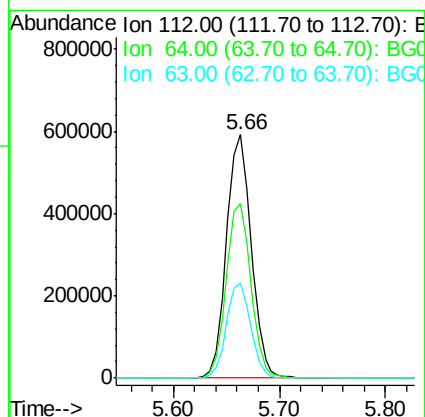
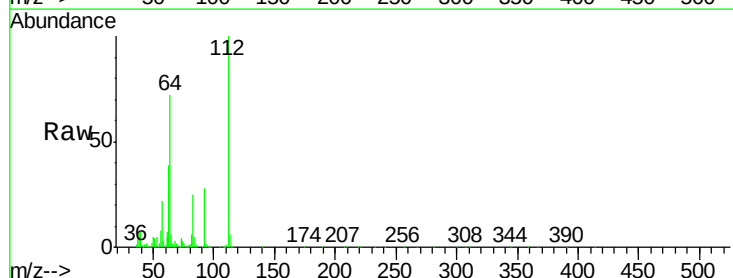
RT: 5.66 min Scan# 481

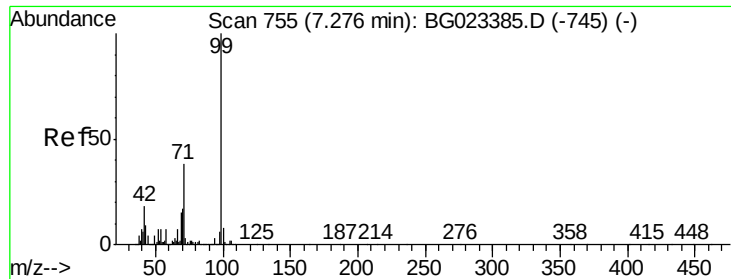
Delta R.T. 0.00 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.6  | 59.0  | 88.4  |
| 63      | 39.0  | 37.8  | 56.8  |





#7

Phenol-d6

Concen: 104.25 ng

RT: 7.28 min Scan# 757

Delta R.T. 0.01 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

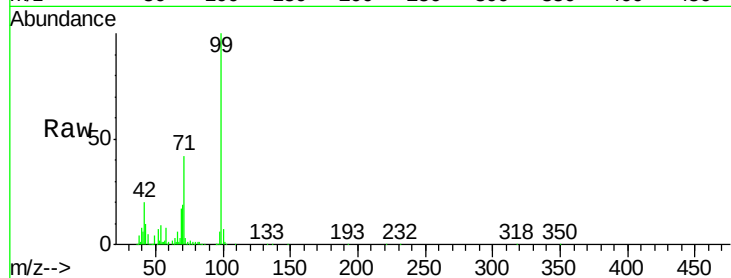
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 1343635

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.0  | 17.8  | 26.6  |
| 71  | 42.1  | 41.5  | 62.3  |

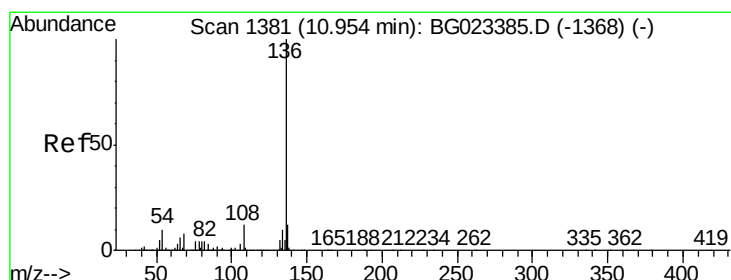
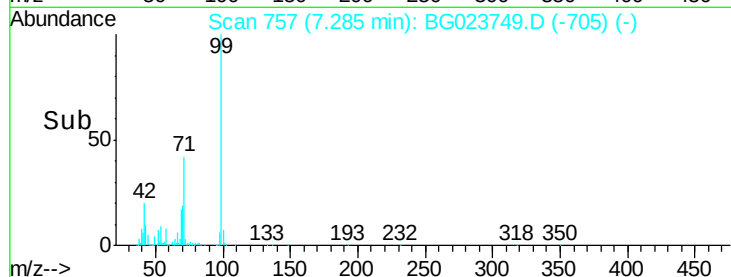


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1382

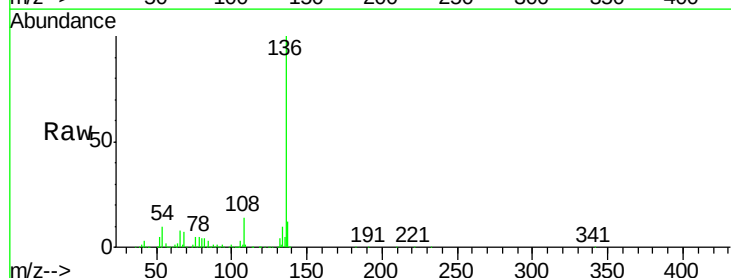
Delta R.T. 0.00 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

Tgt Ion: 136 Resp: 632317

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.0  | 9.6   | 14.4  |
| 54  | 10.4  | 7.3   | 10.9  |
| 68  | 7.2   | 5.3   | 7.9   |



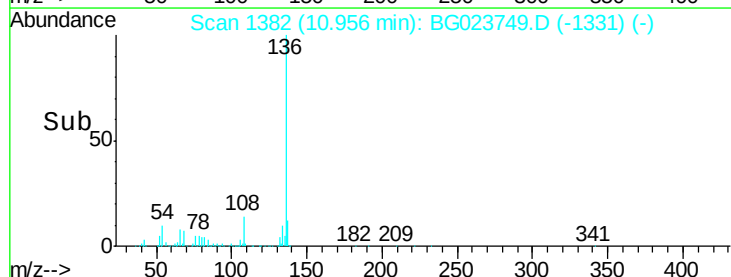
Abundance

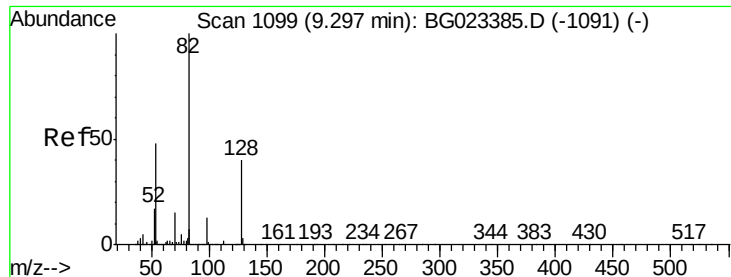
Ion 136.00 (135.70 to 136.70): BGC

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

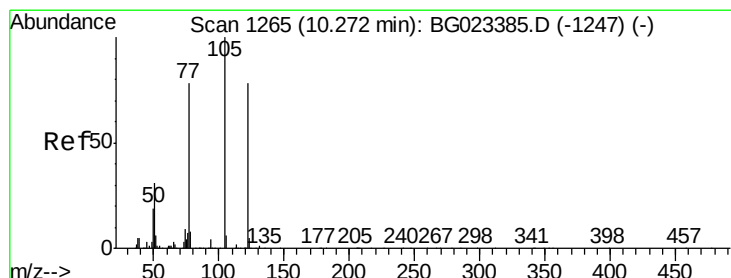
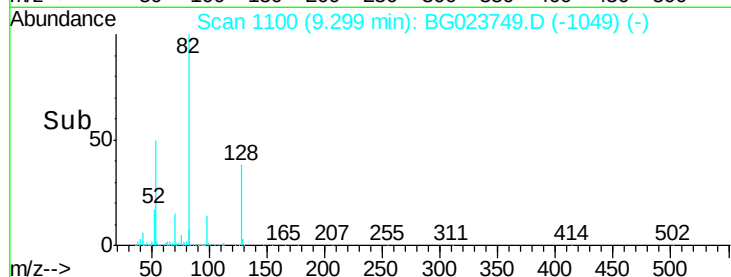
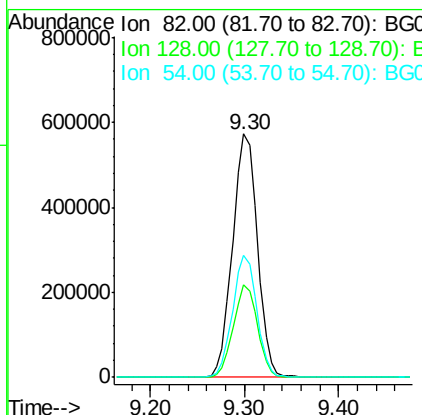
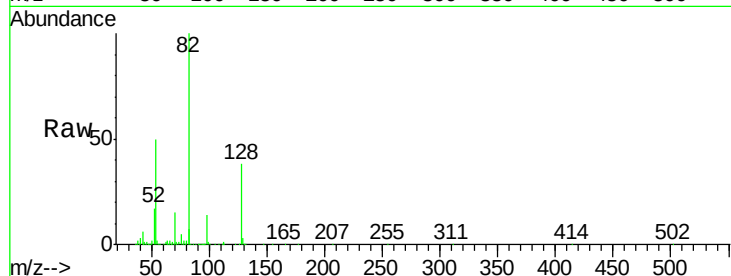




#23  
 Nitrobenzene-d5  
 Concen: 82.97 ng  
 RT: 9.30 min Scan# 1100  
 Delta R.T. 0.00 min  
 Lab File: BG023749.D  
 Acq: 17 Aug 2016 14:22

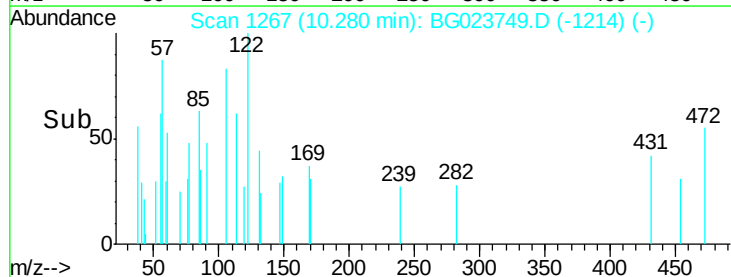
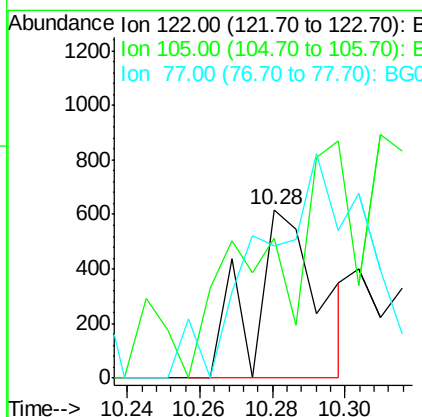
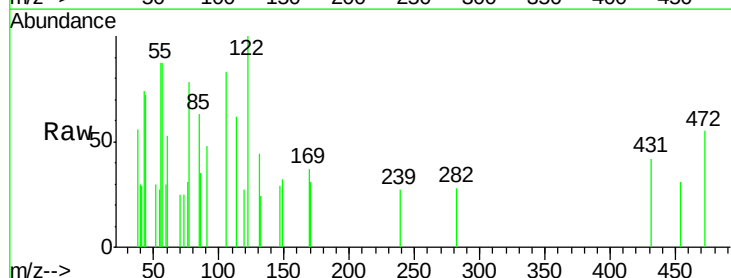
Instrument :  
 BNA\_G  
 ClientSampleId :

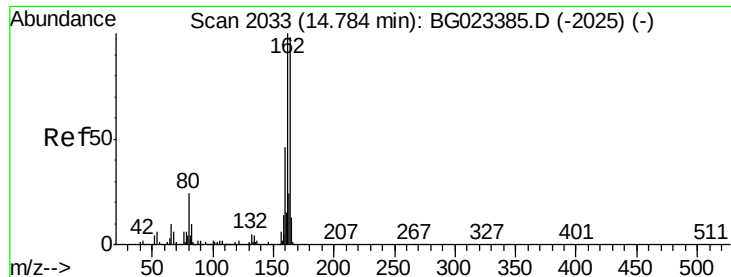
Tot Ion: 82 Resp: 1055237  
 Ion Ratio Lower Upper  
 82 100  
 128 37.9 24.4 36.6#  
 54 49.9 41.4 62.0



#32  
 Benzoic acid  
 Concen: 6.51 ng  
 RT: 10.28 min Scan# 1267  
 Delta R.T. 0.01 min  
 Lab File: BG023749.D  
 Acq: 17 Aug 2016 14:22

Tgt Ion: 122 Resp: 770  
 Ion Ratio Lower Upper  
 122 100  
 105 83.0 117.2 157.2#  
 77 78.2 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

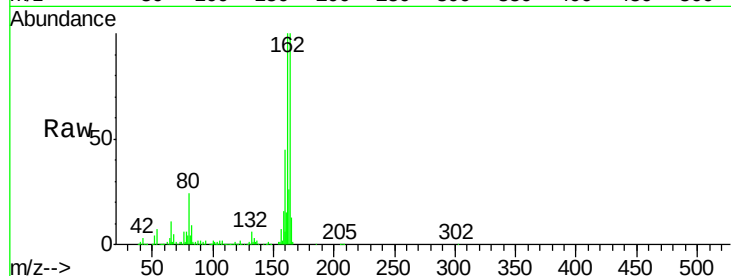
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 435462

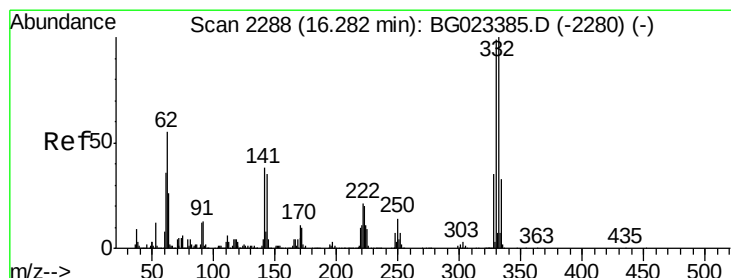
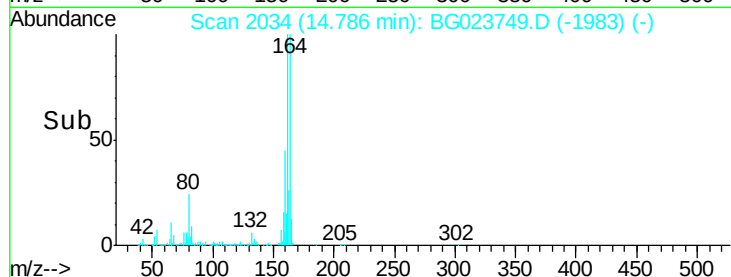
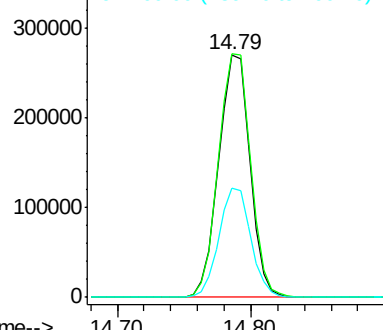
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.4 | 87.7  | 131.5 |
| 160 | 45.2  | 37.2  | 55.8  |



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



#41

2,4,6-Tribromophenol

Concen: 108.04 ng

RT: 16.29 min Scan# 2290

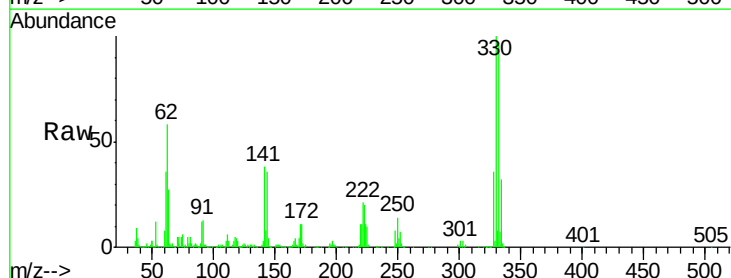
Delta R.T. 0.01 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

Tgt Ion:330 Resp: 688136

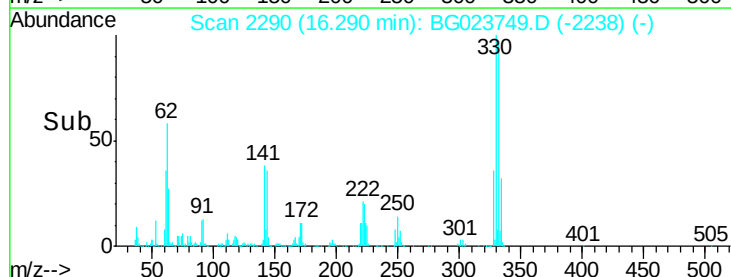
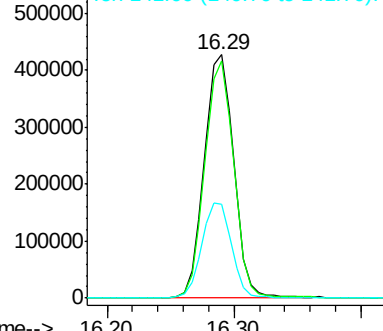
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.6  | 77.4  | 116.2 |
| 141 | 39.1  | 31.7  | 47.5  |

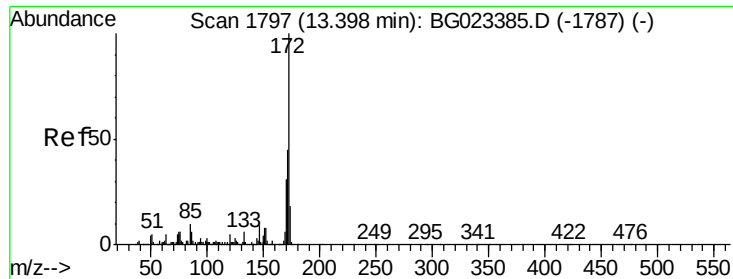


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

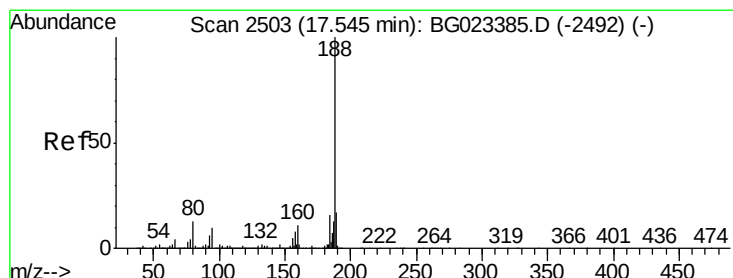
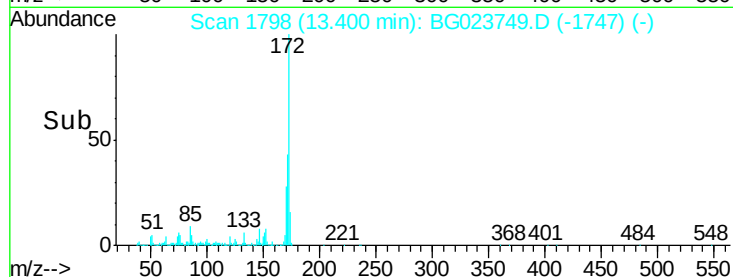
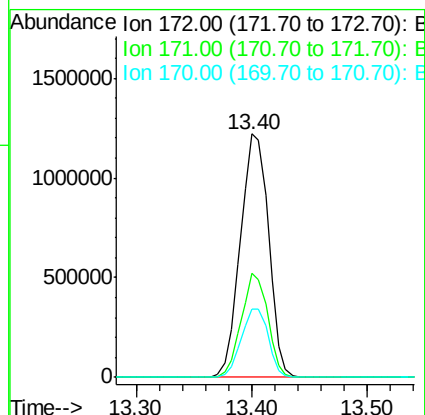
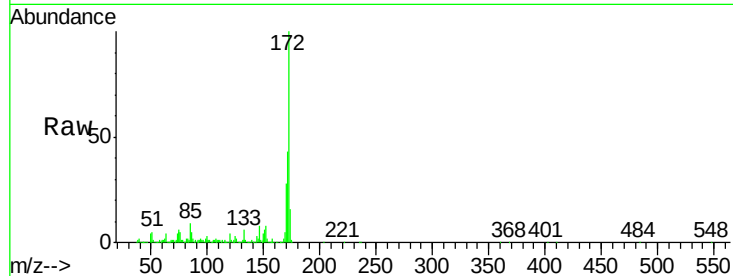




#44  
2-Fluorobiphenyl  
Concen: 80.24 ng  
RT: 13.40 min Scan# 1798  
Delta R.T. 0.00 min  
Lab File: BG023749.D  
Acq: 17 Aug 2016 14:22

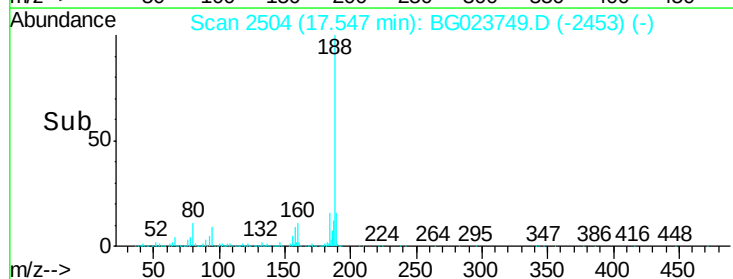
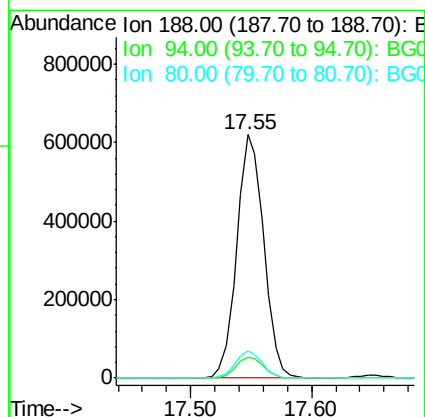
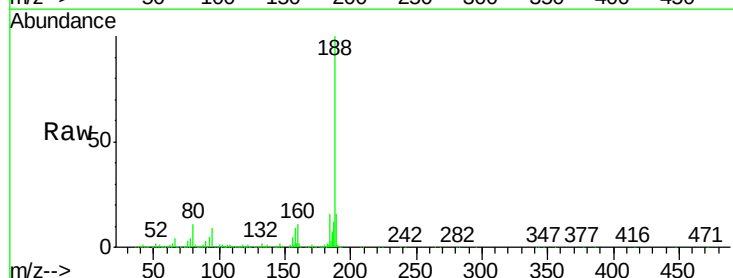
Instrument :  
BNA\_G  
ClientSampleId :

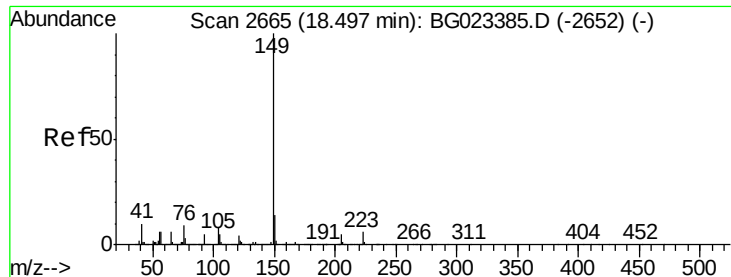
Tot Ion:172 Resp: 2071671  
Ion Ratio Lower Upper  
172 100  
171 42.7 31.6 47.4  
170 28.1 21.3 31.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: BG023749.D  
Acq: 17 Aug 2016 14:22

Tgt Ion:188 Resp: 968052  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.2 7.8#  
80 11.4 7.2 10.8#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.50 min Scan# 2666

Delta R.T. 0.00 min

Lab File: BG023749.D

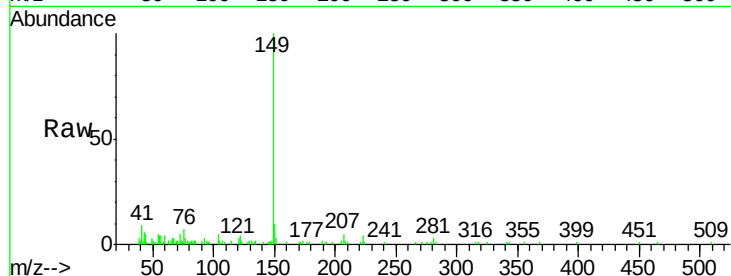
Acq: 17 Aug 2016 14:22

Instrument :

BNA\_G

ClientSampleId :

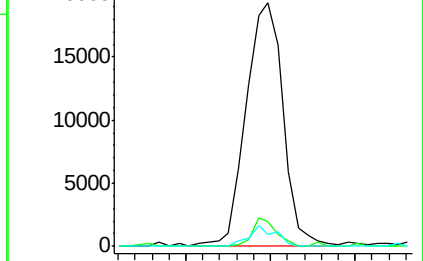
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:149 | Resp: | 29394     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 150         | 10.2  | 9.1 13.7  |
| 104         | 4.9   | 6.9 10.3# |



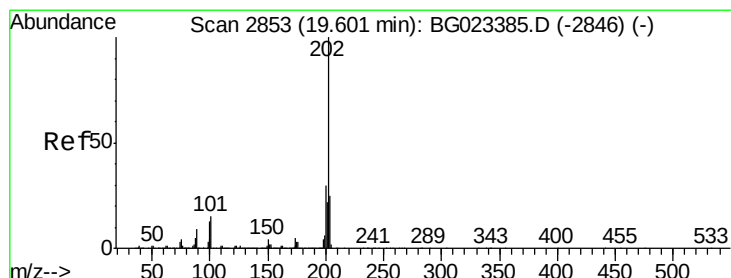
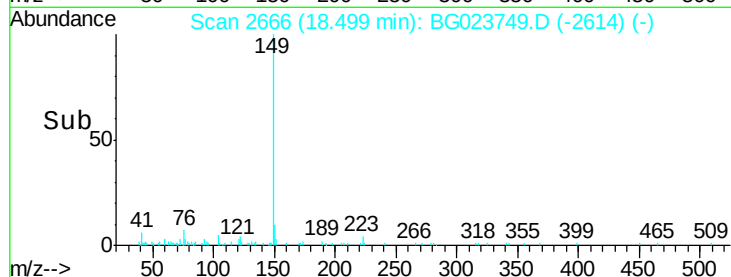
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#74

Fluoranthene

Concen: Below Cal

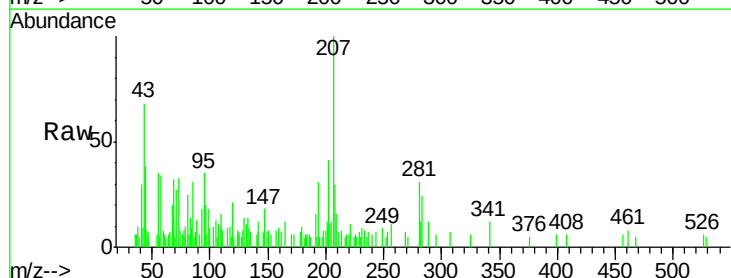
RT: 19.61 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

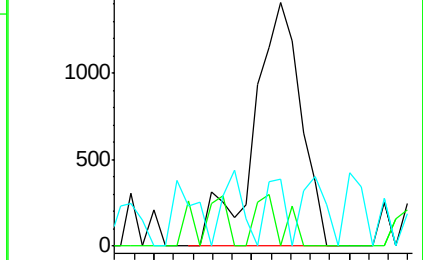
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 2352     |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 0.0   | 0.0 27.4 |
| 203         | 27.7  | 1.7 41.7 |



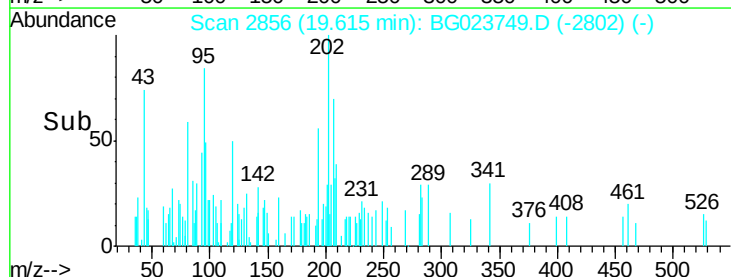
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

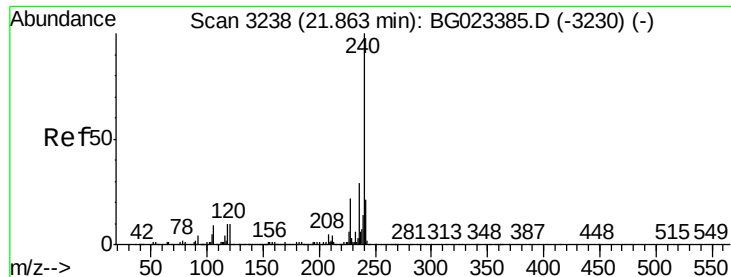
Ion 203.00 (202.70 to 203.70): E



Time-->



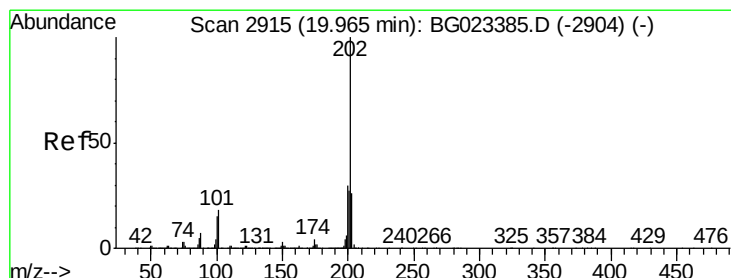
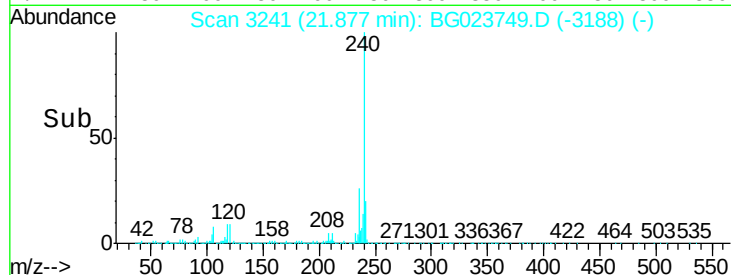
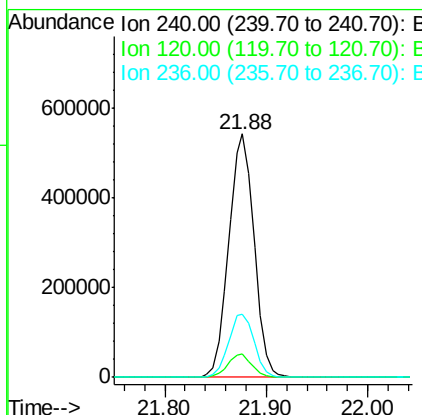
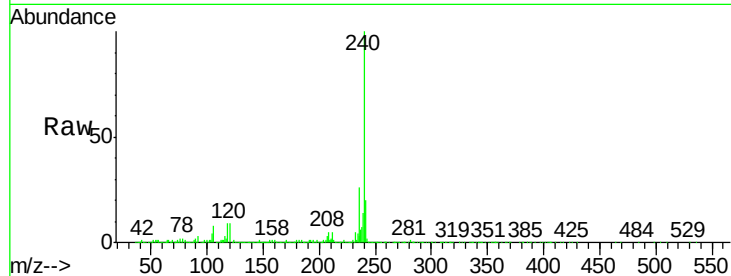




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.88 min Scan# 3241  
Delta R.T. 0.01 min  
Lab File: BG023749.D  
Acq: 17 Aug 2016 14:22

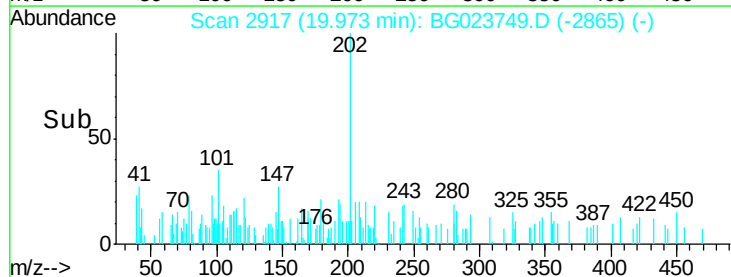
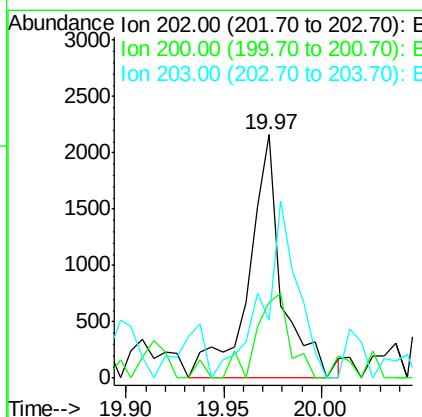
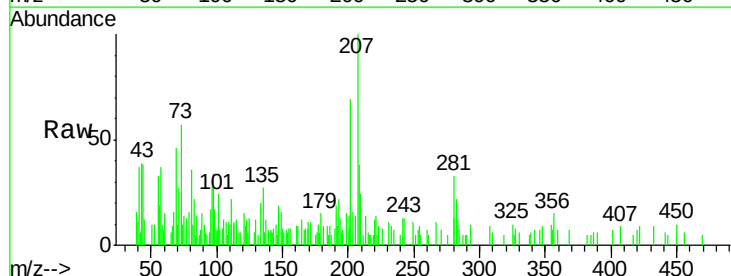
Instrument :  
BNA\_G  
ClientSampleId :

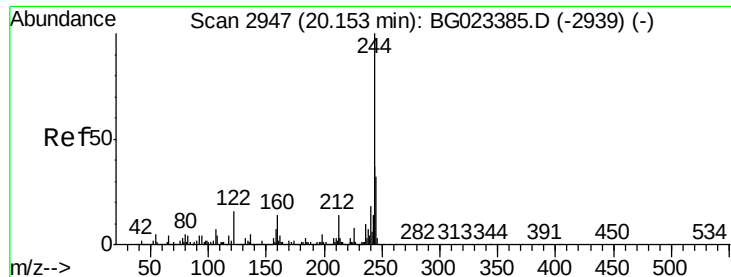
Tot Ion:240 Resp: 934357  
Ion Ratio Lower Upper  
240 100  
120 9.4 4.1 6.1#  
236 25.8 21.1 31.7



#77  
Pyrene  
Concen: Below Cal  
RT: 19.97 min Scan# 2917  
Delta R.T. 0.01 min  
Lab File: BG023749.D  
Acq: 17 Aug 2016 14:22

Tgt Ion:202 Resp: 2562  
Ion Ratio Lower Upper  
202 100  
200 31.1 21.2 31.8  
203 23.6 16.8 25.2





#78

Terphenyl-d14

Concen: 91.30 ng

RT: 20.16 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

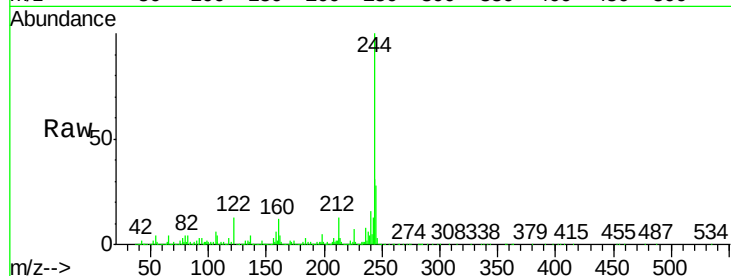
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 2683540

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 13.5  | 10.8  | 16.2  |
| 122 | 12.8  | 8.0   | 12.0  |

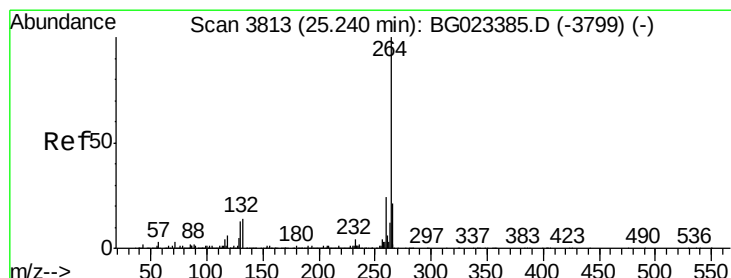
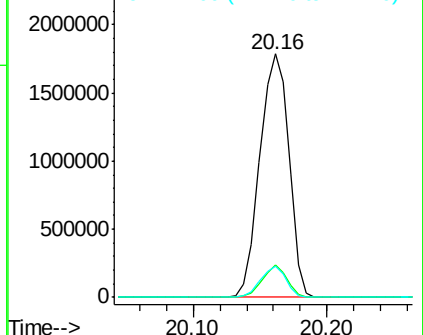
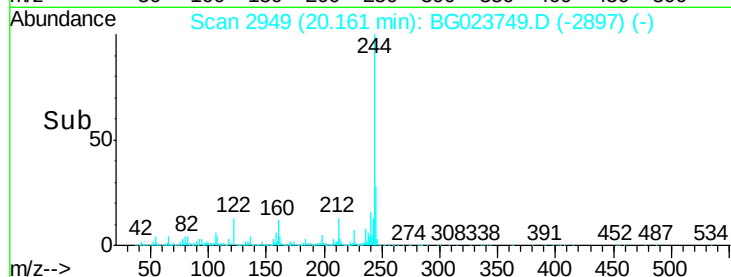


Abundance

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: 25.29 min Scan# 3822

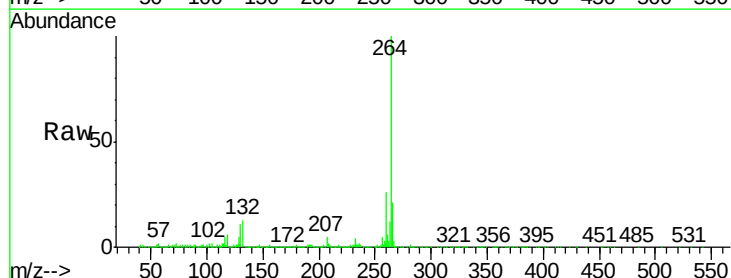
Delta R.T. 0.05 min

Lab File: BG023749.D

Acq: 17 Aug 2016 14:22

Tgt Ion:264 Resp: 930195

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.7  | 18.4  | 27.6  |
| 265 | 21.4  | 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

