

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080316\  
 Data File : BG023447.D  
 Acq On : 4 Aug 2016 10:37  
 Operator : UM/SJ  
 Sample : H4309-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOCATION-46A-9-11

Quant Time: Aug 04 16:18:34 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

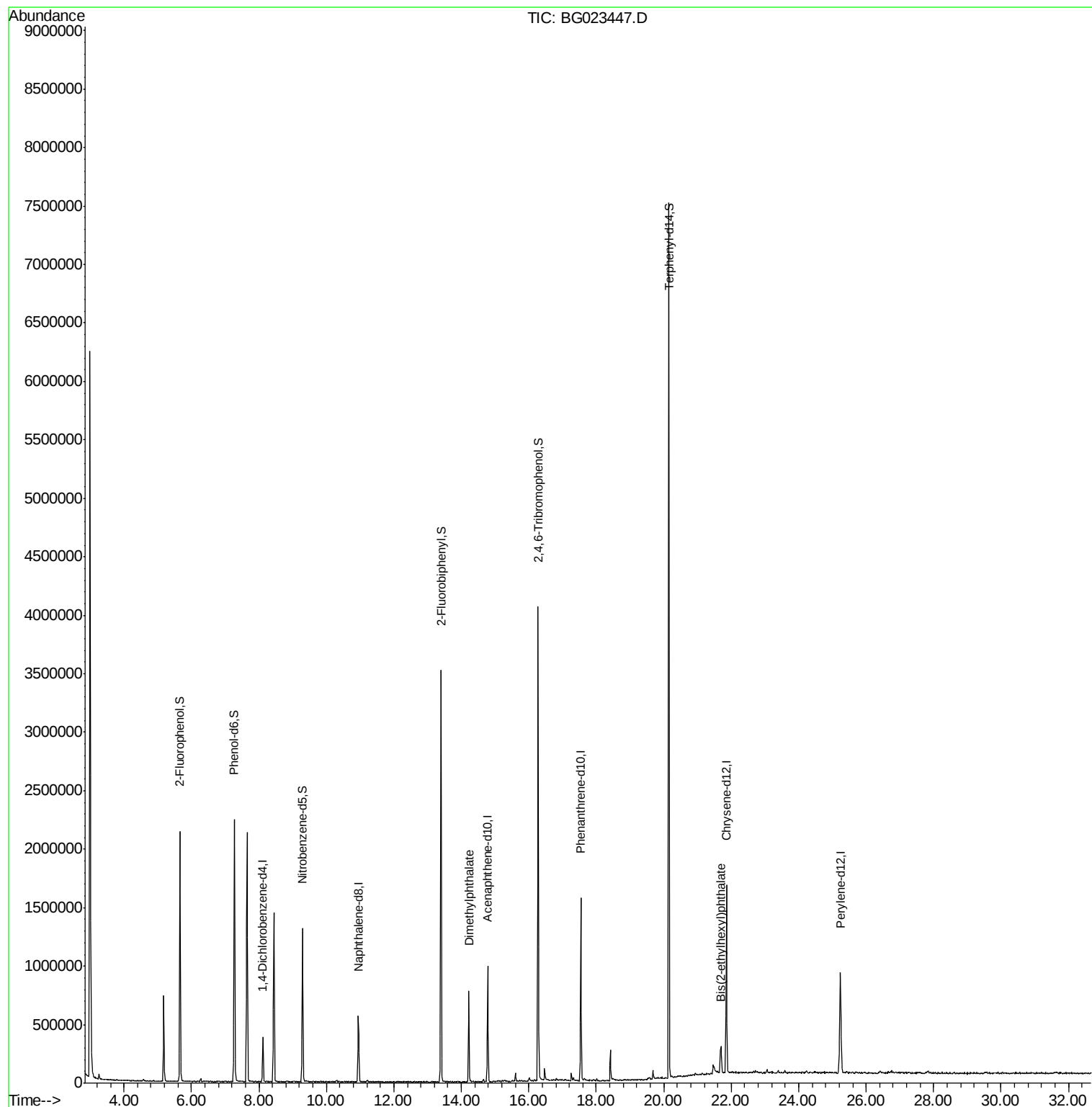
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.12  | 152  | 106141   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.95 | 136  | 467433   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.78 | 164  | 336713   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.54 | 188  | 927411   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.86 | 240  | 994432   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 25.24 | 264  | 950949   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.66  | 112  | 906120   | 143.70 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.27  | 99   | 1373801  | 139.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.29  | 82   | 875091   | 93.07  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.28 | 330  | 740760   | 150.41 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.40 | 172  | 1773676  | 88.85  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.15 | 244  | 2728389  | 86.11  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 49) Dimethylphthalate          | 14.23 | 163  | 513323   | 19.87  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 234436   | 7.15   | ng    | # 94     |

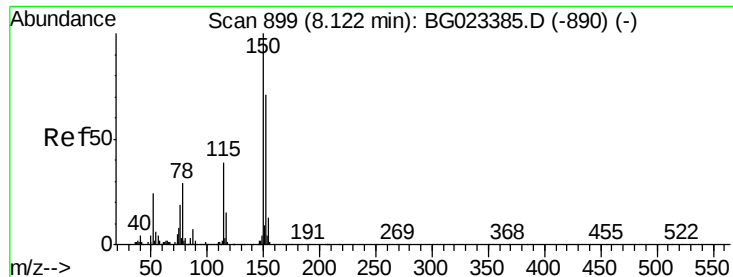
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080316\  
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Misc :  
ALS Vial : 20 Sample Multiplier: 1

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 898

Delta R.T. -0.01 min

Lab File: BG023447.D

Acq: 4 Aug 2016 10:37

Instrument :

BNA\_G

ClientSampleId :

LOCATION-46A-9-11

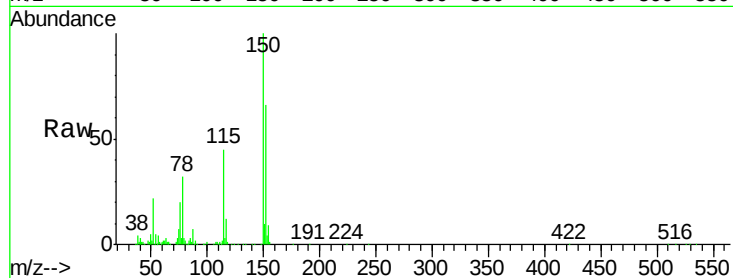
Tot Ion:152 Resp: 106141

Ion Ratio Lower Upper

152 100

150 150.6 144.7 217.1

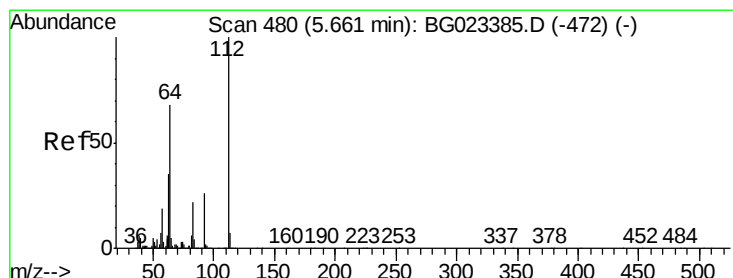
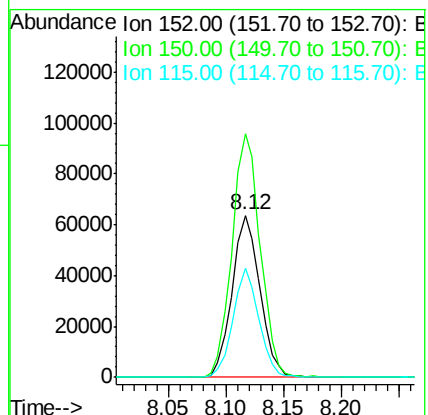
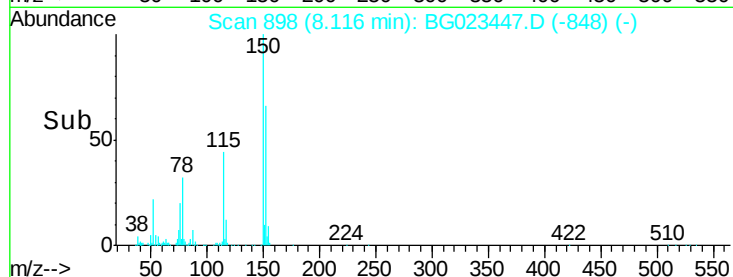
115 67.3 64.0 96.0



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: 143.70 ng

RT: 5.66 min Scan# 480

Delta R.T. 0.00 min

Lab File: BG023447.D

Acq: 4 Aug 2016 10:37

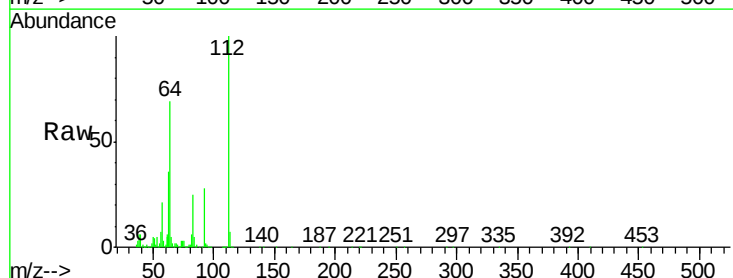
Tgt Ion:112 Resp: 906120

Ion Ratio Lower Upper

112 100

64 68.7 59.0 88.4

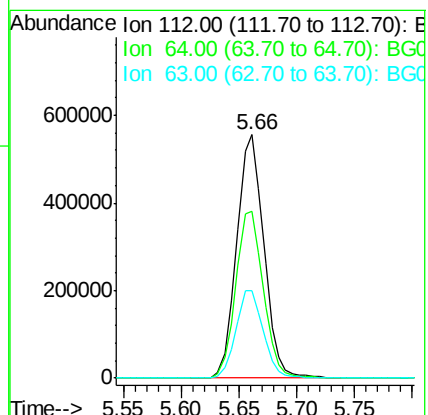
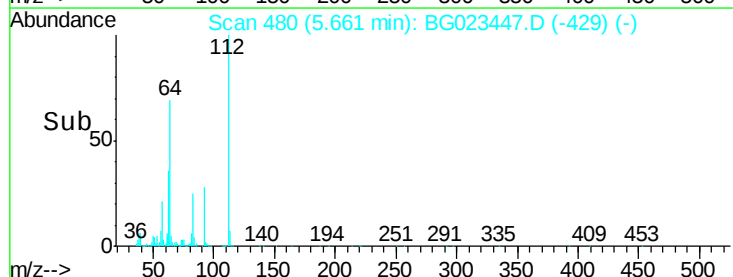
63 36.0 37.8 56.8#

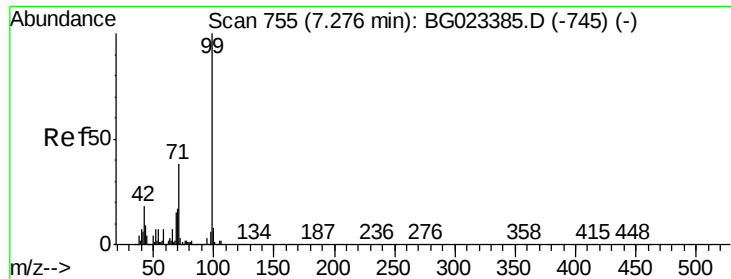


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.88 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG023447.D

Acq: 4 Aug 2016 10:37

Instrument :

BNA\_G

ClientSampleId :

LOCATION-46A-9-11

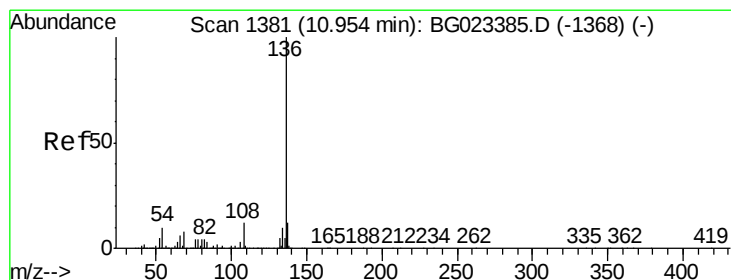
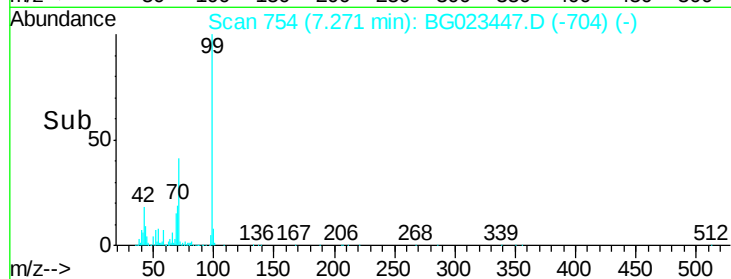
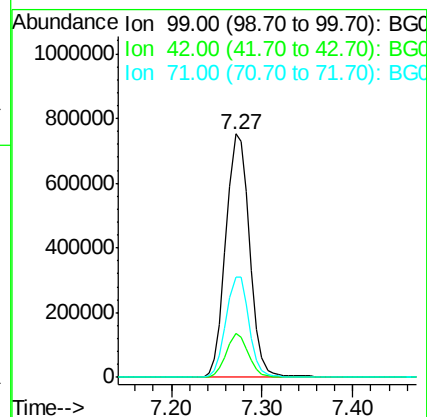
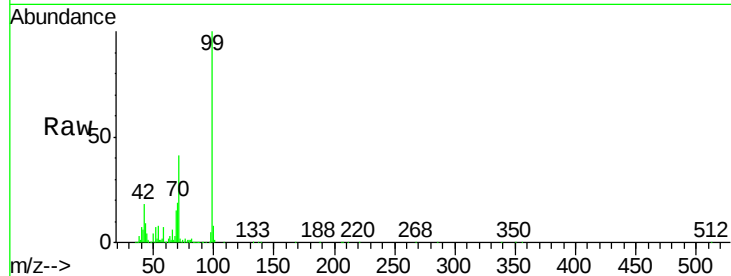
Tot Ion: 99 Resp: 1373801

Ion Ratio Lower Upper

99 100

42 17.9 17.8 26.6

71 40.9 41.5 62.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.95 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BG023447.D

Acq: 4 Aug 2016 10:37

Tgt Ion: 136 Resp: 467433

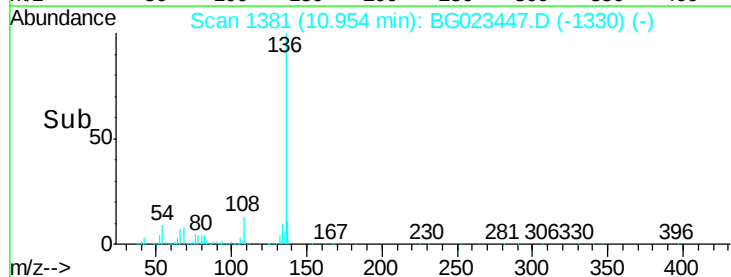
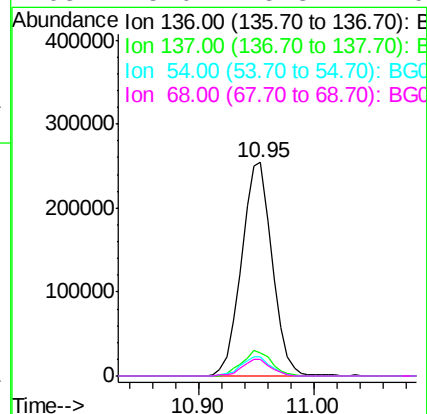
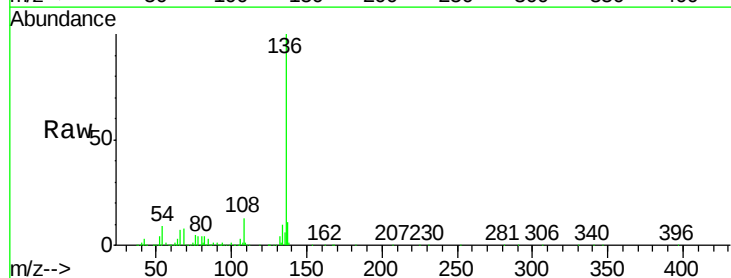
Ion Ratio Lower Upper

136 100

137 10.8 9.6 14.4

54 8.9 7.3 10.9

68 8.0 5.3 7.9#

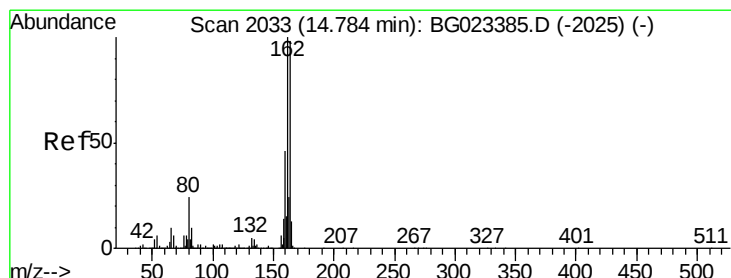
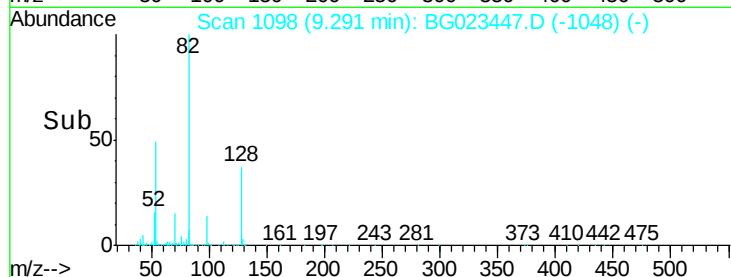
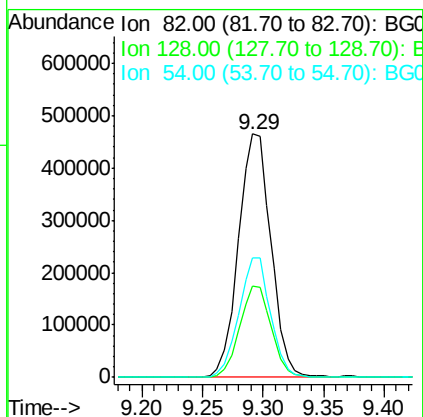
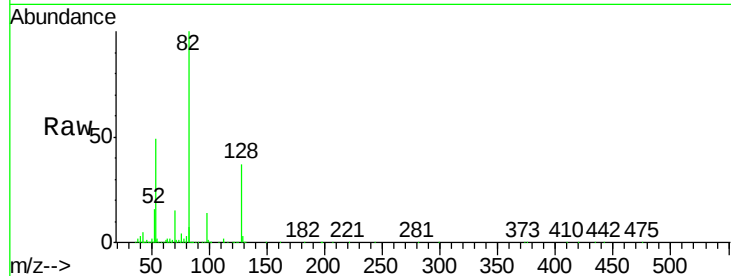




#23  
 Nitrobenzene-d5  
 Concen: 93.07 ng  
 RT: 9.29 min Scan# 1098  
 Delta R.T. -0.01 min  
 Lab File: BG023447.D  
 Acq: 4 Aug 2016 10:37

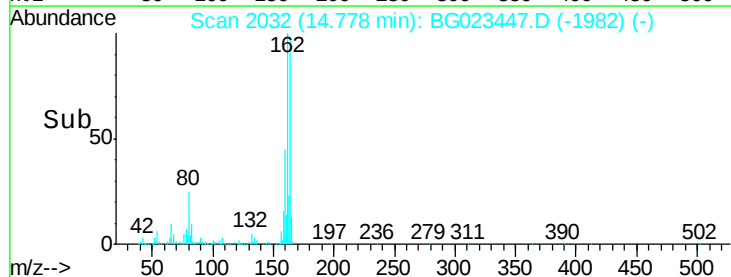
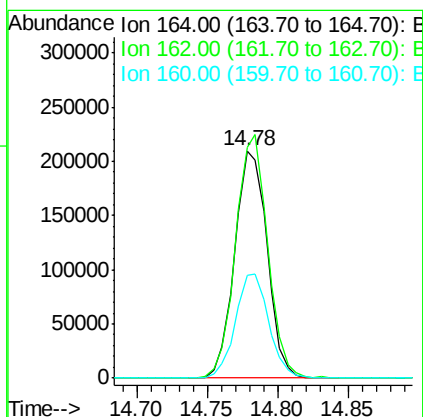
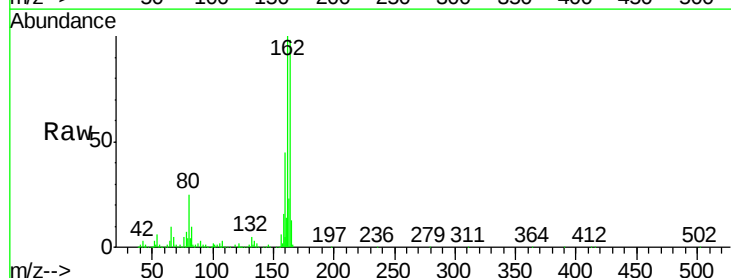
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOCATION-46A-9-11

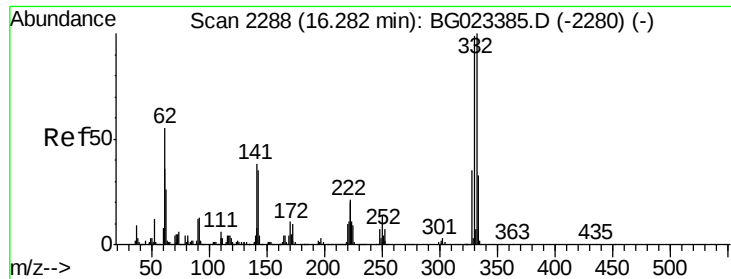
| Tot Ion   | 82    | Resp  | 875091 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.5  | 24.4  | 36.6#  |
| 54        | 49.3  | 41.4  | 62.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.78 min Scan# 2032  
 Delta R.T. -0.01 min  
 Lab File: BG023447.D  
 Acq: 4 Aug 2016 10:37

| Tgt Ion   | 164   | Resp  | 336713 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.6 | 87.7  | 131.5  |
| 160       | 45.4  | 37.2  | 55.8   |

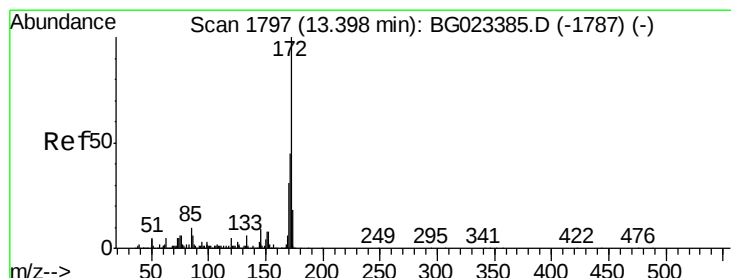
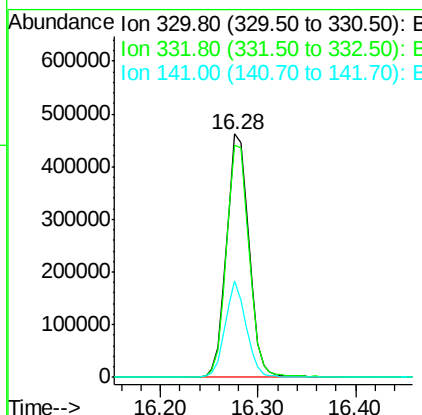
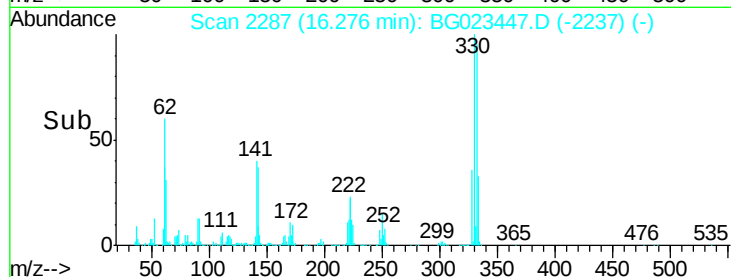
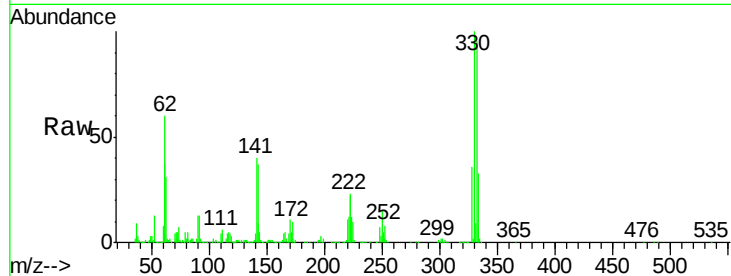




#41  
 2,4,6-Tribromophenol  
 Concen: 150.41 ng  
 RT: 16.28 min Scan# 2287  
 Delta R.T. -0.01 min  
 Lab File: BG023447.D  
 Acq: 4 Aug 2016 10:37

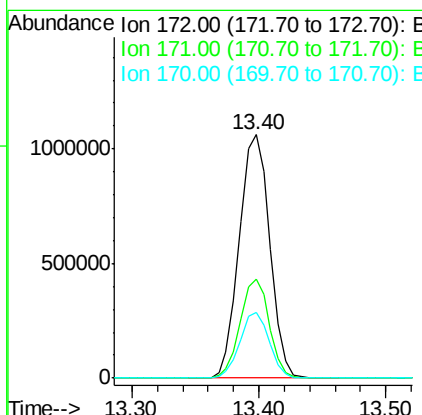
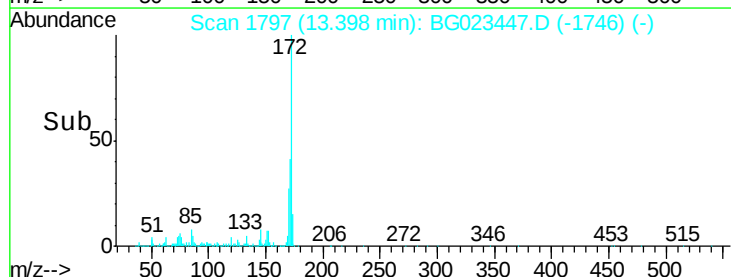
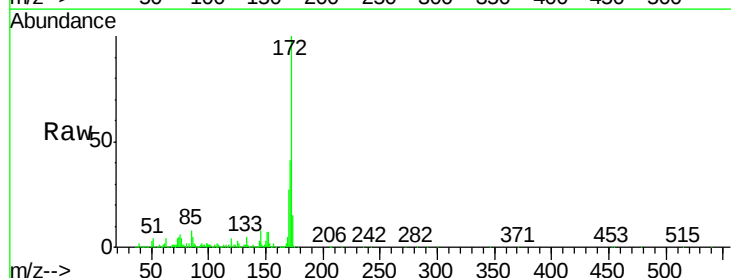
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOCATION-46A-9-11

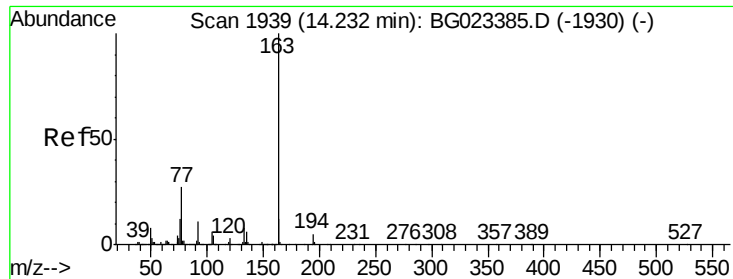
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.4  | 116.2 |
| 141     | 36.9  | 31.7  | 47.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 88.85 ng  
 RT: 13.40 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: BG023447.D  
 Acq: 4 Aug 2016 10:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.5  | 31.6  | 47.4  |
| 170     | 27.0  | 21.3  | 31.9  |





#49

Dimethylphthalate

Concen: 19.87 ng

RT: 14.23 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG023447.D

Acq: 4 Aug 2016 10:37

Instrument :

BNA\_G

ClientSampleId :

LOCATION-46A-9-11

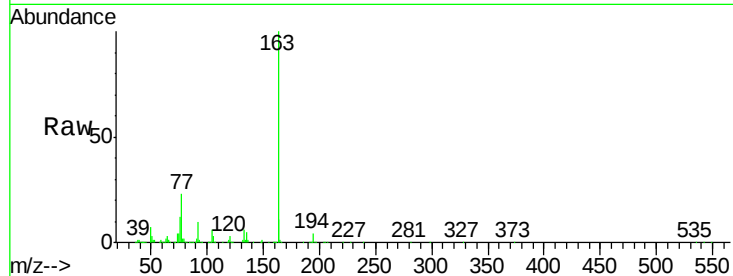
Tot Ion:163 Resp: 513323

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

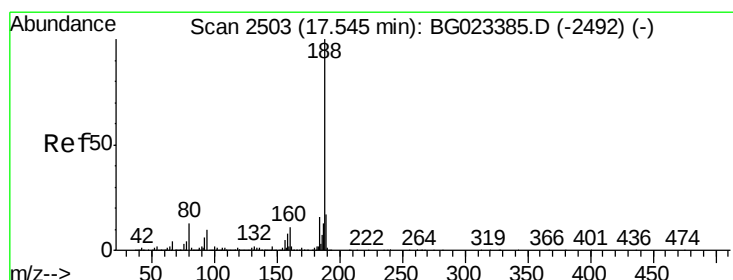
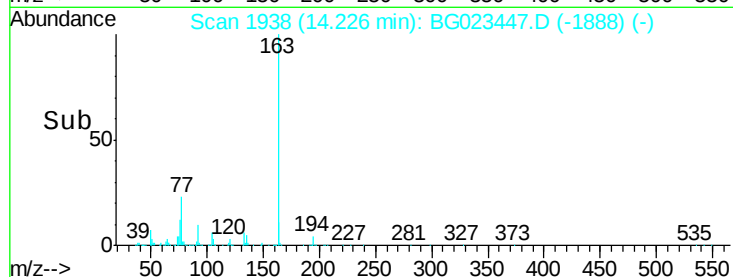
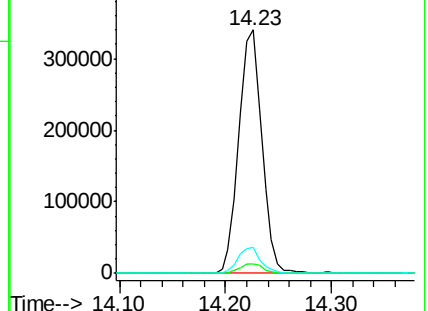
164 10.6 8.1 12.1



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: 17.54 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BG023447.D

Acq: 4 Aug 2016 10:37

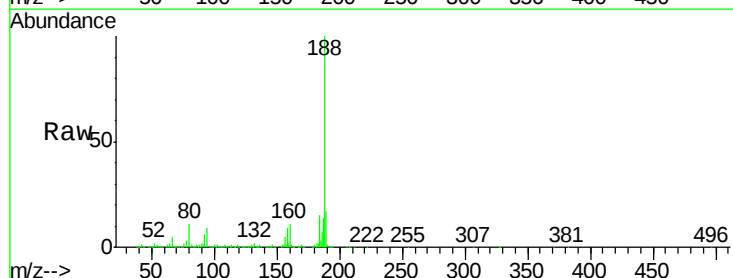
Tgt Ion:188 Resp: 927411

Ion Ratio Lower Upper

188 100

94 8.7 5.2 7.8#

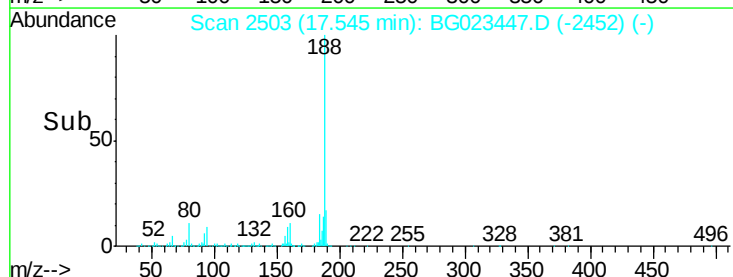
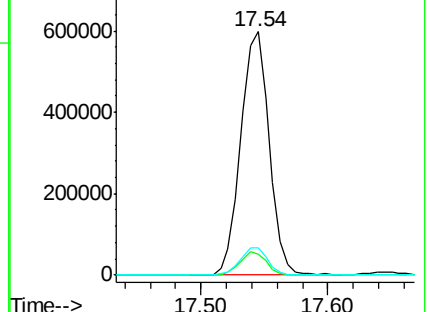
80 11.1 7.2 10.8#

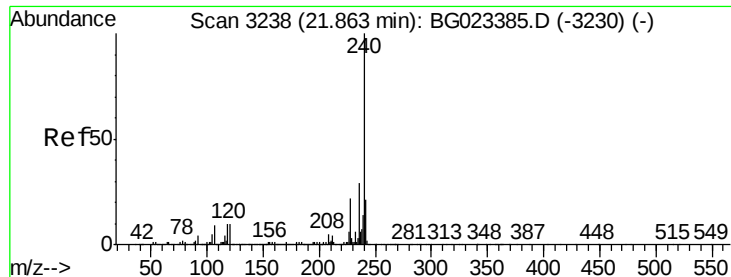


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

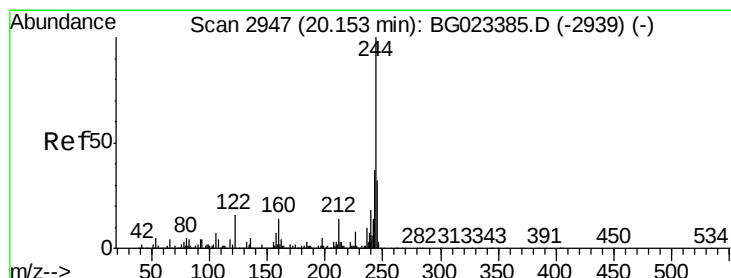
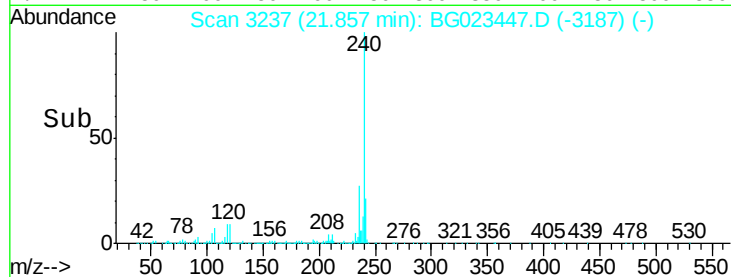
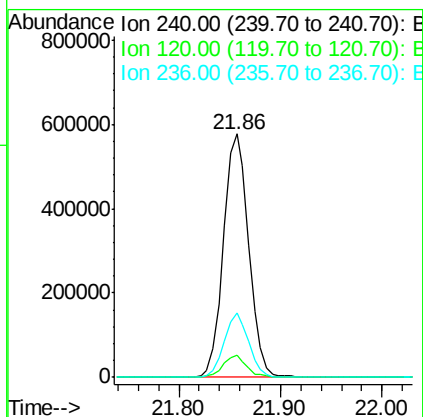
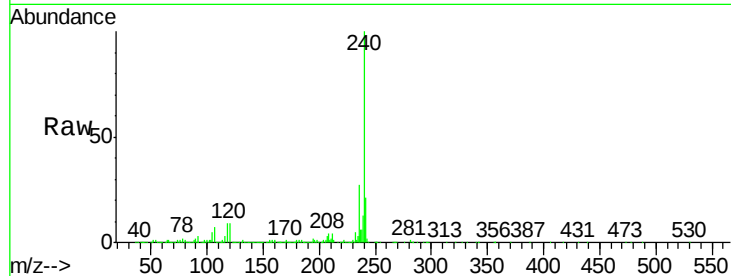




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.86 min Scan# 3237  
Delta R.T. -0.01 min  
Lab File: BG023447.D  
Acq: 4 Aug 2016 10:37

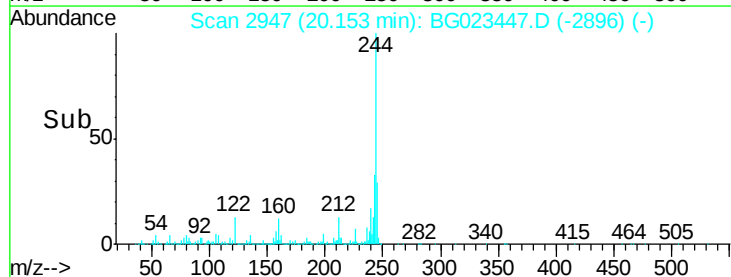
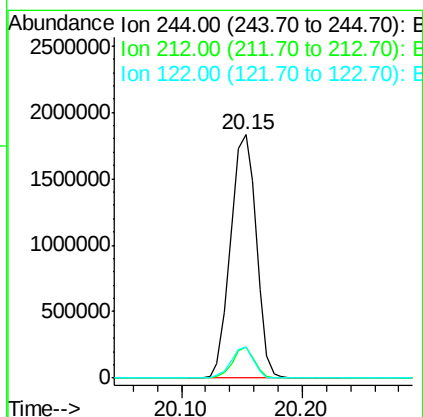
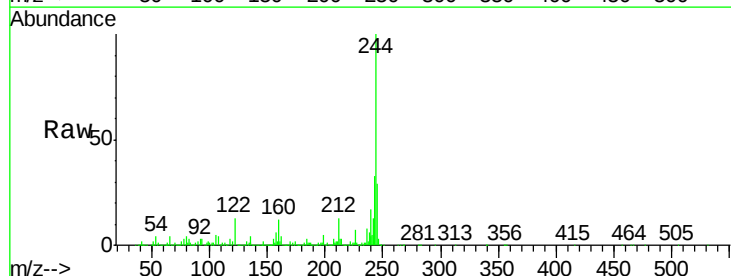
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BNA\_G  
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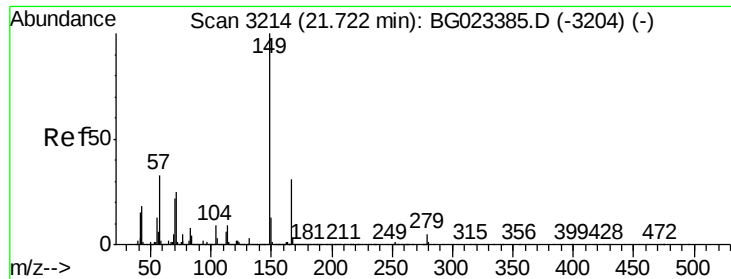
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.9   | 4.1   | 6.1#  |
| 236     | 26.7  | 21.1  | 31.7  |



#78  
Terphenyl-d14  
Concen: 86.11 ng  
RT: 20.15 min Scan# 2947  
Delta R.T. 0.00 min  
Lab File: BG023447.D  
Acq: 4 Aug 2016 10:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 12.9  | 10.8  | 16.2  |
| 122     | 12.9  | 8.0   | 12.0# |

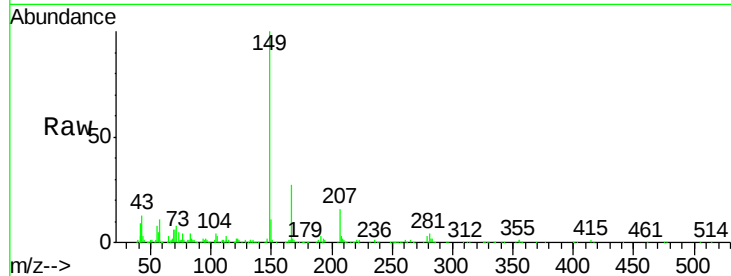




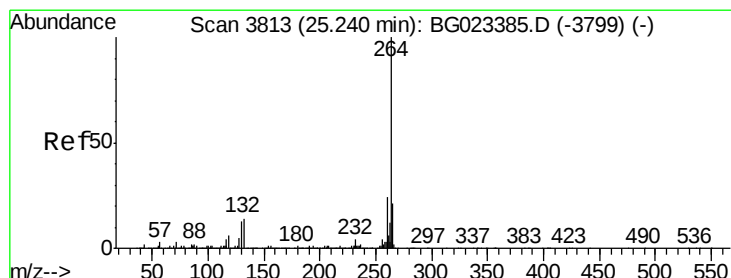
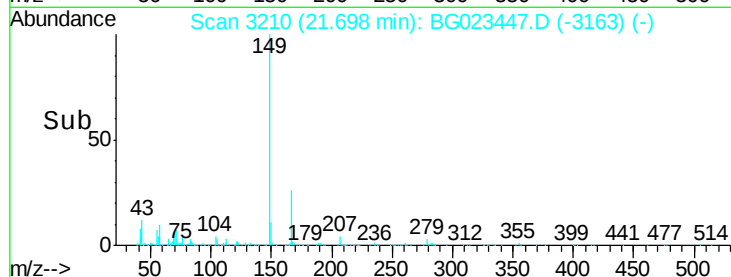
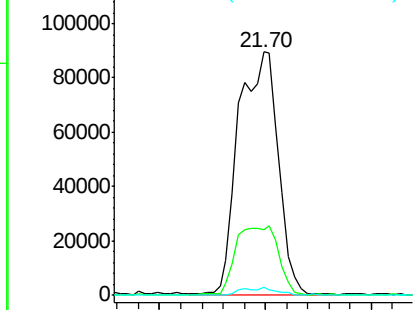
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 7.15 ng  
 RT: 21.70 min Scan# 3210  
 Delta R.T. -0.02 min  
 Lab File: BG023447.D  
 Acq: 4 Aug 2016 10:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOCATION-46A-9-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 24.0  | 36.0  |
| 279     | 3.3   | 4.8   | 7.2#  |

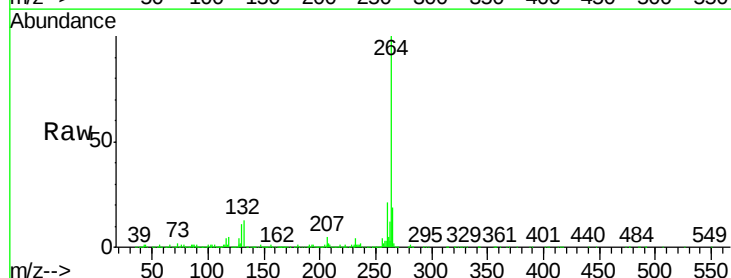


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.24 min Scan# 3813  
 Delta R.T. 0.00 min  
 Lab File: BG023447.D  
 Acq: 4 Aug 2016 10:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.5  | 18.4  | 27.6  |
| 265     | 18.9  | 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

