

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122217\  
 Data File : BG031727.D  
 Acq On : 23 Dec 2017 1:03  
 Operator : SJ/JU  
 Sample : I7004-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-5-121817

Manual Integrations  
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Sohil  
 12/26/2017 3:31:04 PM

Quant Time: Dec 23 02:57:47 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 11:08:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|---------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.83  | 152  | 47358    | 20.00   | ng    | -0.01       |
| 21) Naphthalene-d8          | 11.71 | 136  | 200105   | 20.00   | ng    | -0.01       |
| 38) Acenaphthene-d10        | 15.46 | 164  | 137014   | 20.00   | ng    | -0.01       |
| 63) Phenanthrene-d10        | 18.19 | 188  | 352674   | 20.00   | ng    | -0.01       |
| 75) Chrysene-d12            | 22.55 | 240  | 416746   | 20.00   | ng    | -0.02       |
| 86) Perylene-d12            | 26.34 | 264  | 447390   | 20.00   | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |         |       |             |
| 5) 2-Fluorophenol           | 6.25  | 112  | 148708   | 57.19   | ng    | 0.00        |
| 7) Phenol-d6                | 7.92  | 99   | 119867   | 35.51   | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 10.03 | 82   | 262691   | 99.13   | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol    | 16.93 | 330  | 341276   | 163.24  | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 14.09 | 172  | 988124   | 90.52   | ng    | -0.01       |
| 78) Terphenyl-d14           | 20.73 | 244  | 1819029  | 99.72   | ng    | -0.01       |
| Target Compounds            |       |      |          |         |       |             |
| 10) Phenol                  | 7.95  | 94   | 7508     | 2.203   | ng    | Qvalue # 65 |
| 31) Naphthalene             | 11.77 | 128  | 1141781  | 113.061 | ng    | 99          |
| 37) 2-Methylnaphthalene     | 13.32 | 142  | 256430m  | 31.323  | ng    |             |

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

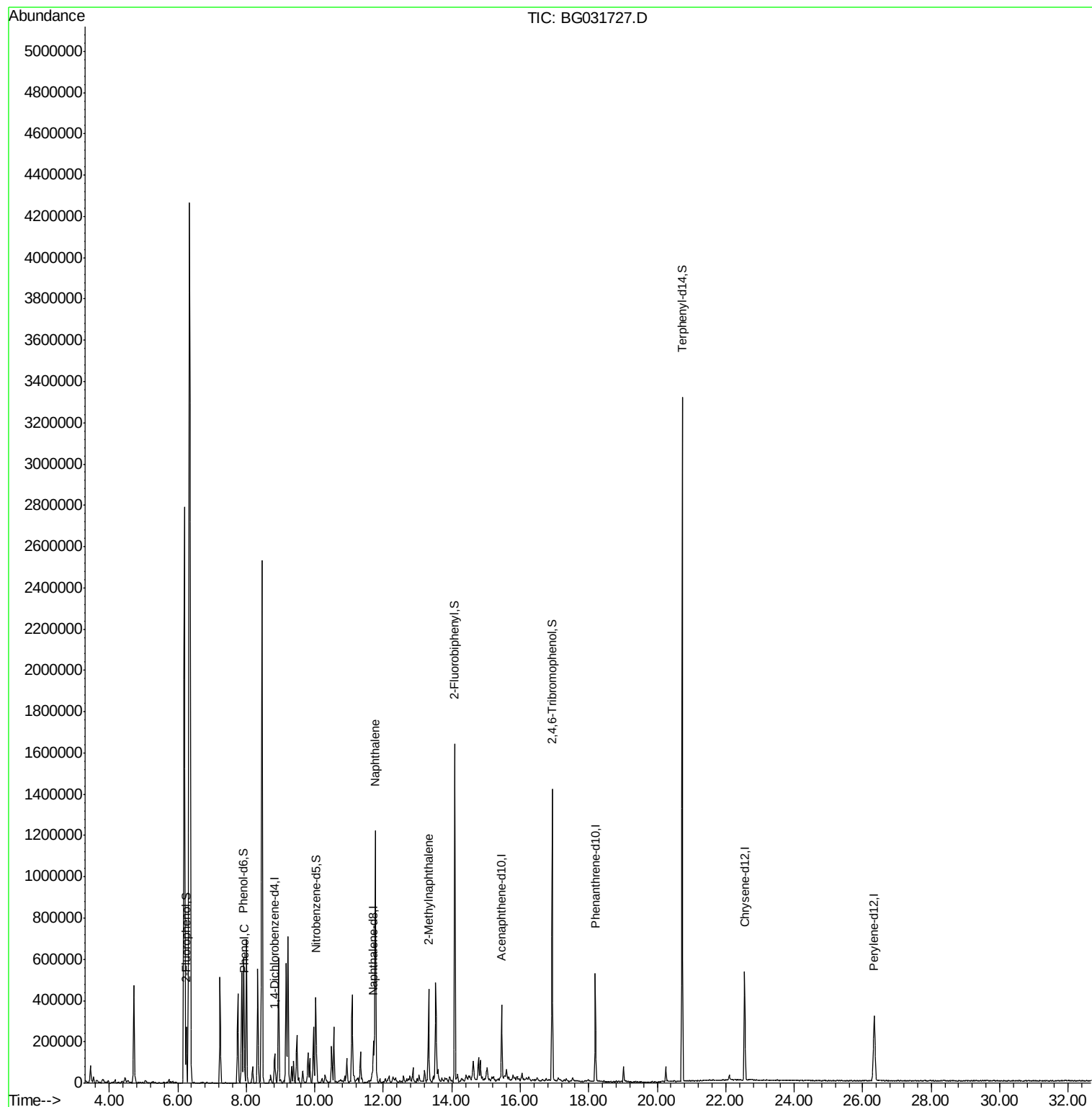
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122217\  
Data File : BG031727.D  
Acq On : 23 Dec 2017 1:03  
Operator : SJ/JU  
Sample : I7004-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

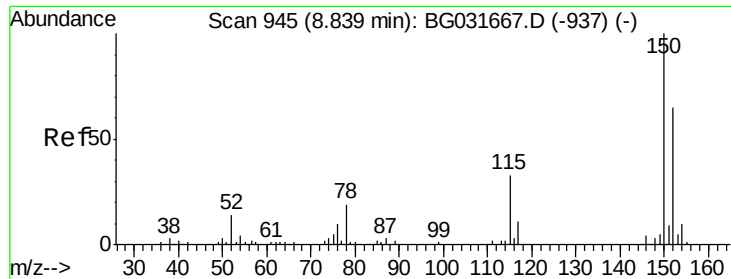
Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-5-121817

Manual Integrations  
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Quant Time: Dec 23 02:57:47 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 22 11:08:55 2017  
Response via : Initial Calibration





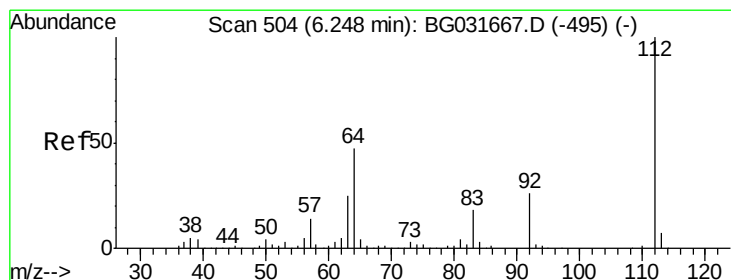
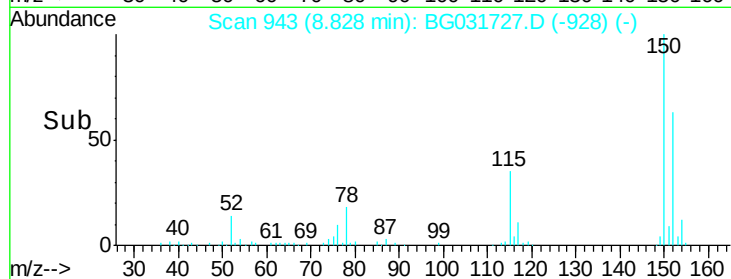
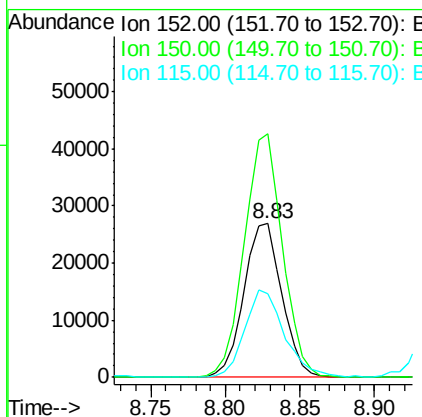
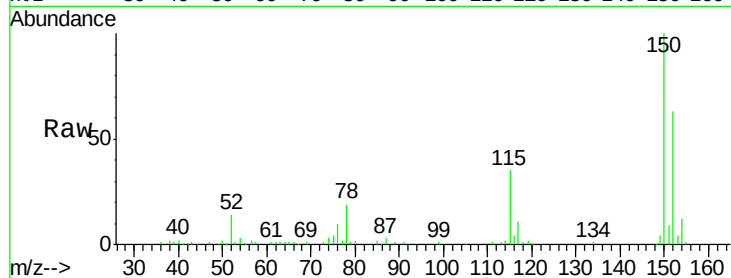
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.83 min Scan# 943  
 Delta R.T. -0.01 min  
 Lab File: BG031727.D  
 Acq: 23 Dec 2017 1:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-5-121817

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.2 | 126.6 | 189.8 |
| 115     | 54.6  | 53.0  | 79.4  |

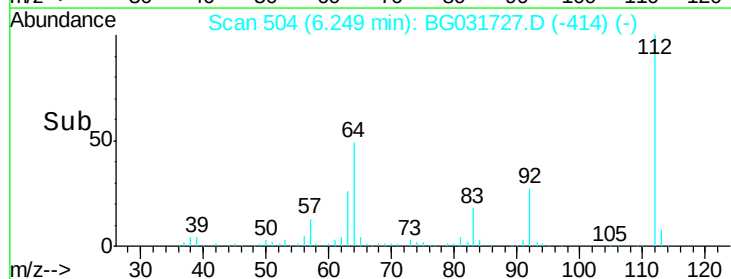
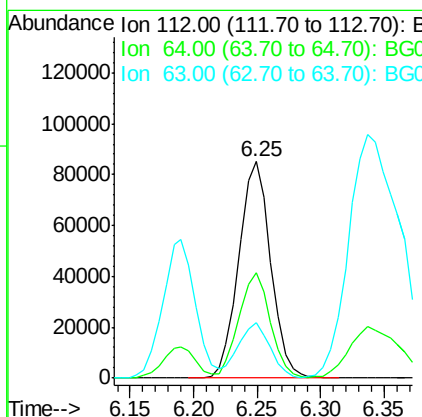
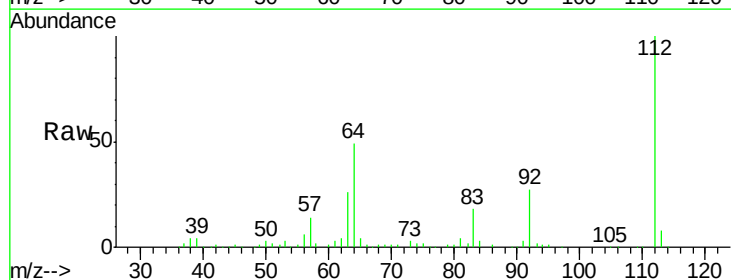
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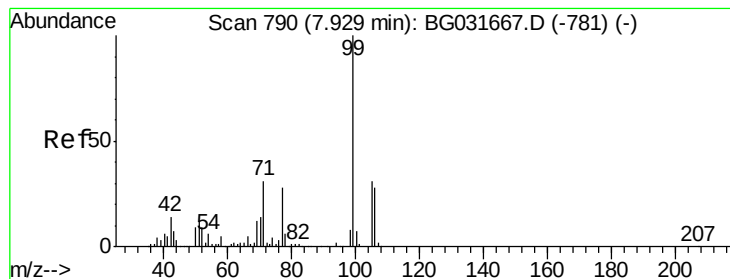
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#5  
 2-Fluorophenol  
 Concen: 57.193 ng  
 RT: 6.25 min Scan# 504  
 Delta R.T. 0.00 min  
 Lab File: BG031727.D  
 Acq: 23 Dec 2017 1:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 48.8  | 56.3  | 84.5# |
| 63      | 25.5  | 30.1  | 45.1# |





#7

Phenol-d6

Concen: 35.508 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031727.D

Acq: 23 Dec 2017 1:03

Instrument :

BNA\_G

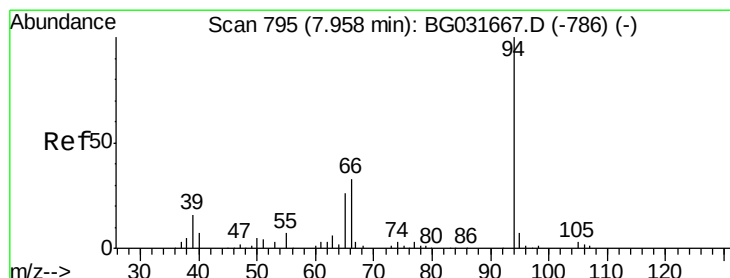
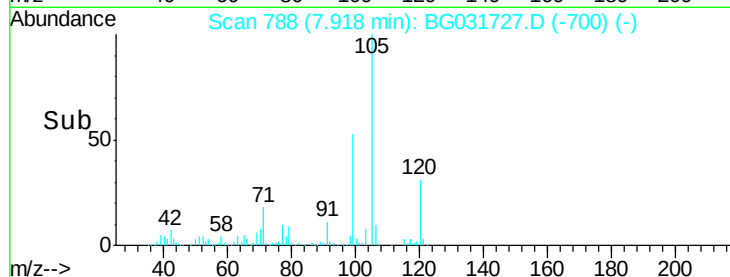
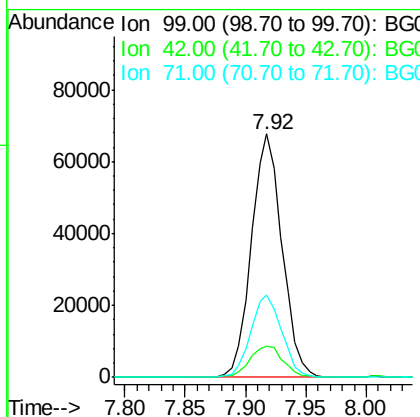
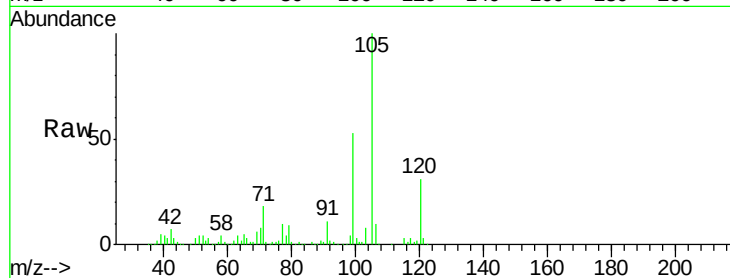
ClientSampleId :

PR-MW-5-121817

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 119867 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 12.8  | 14.1  | 21.1#  |
| 71        | 34.0  | 26.1  | 39.1   |

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#10

Phenol

Concen: 2.203 ng

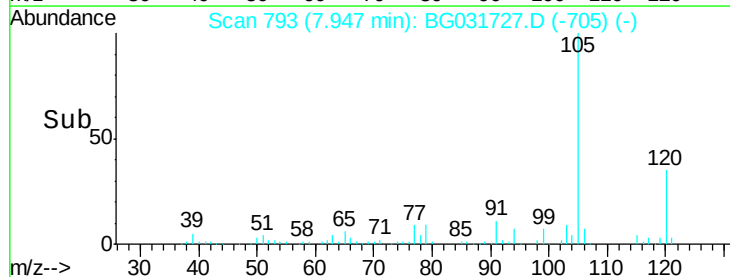
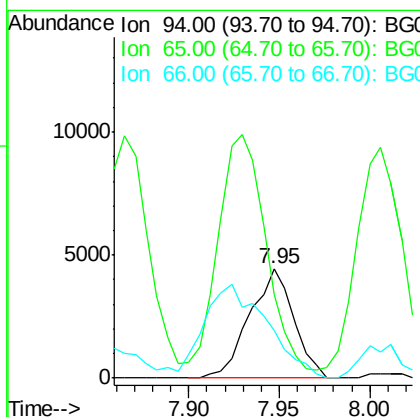
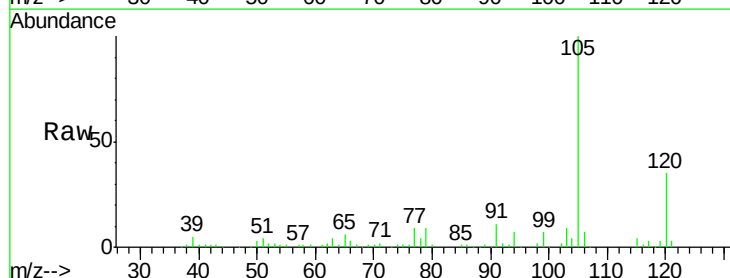
RT: 7.95 min Scan# 793

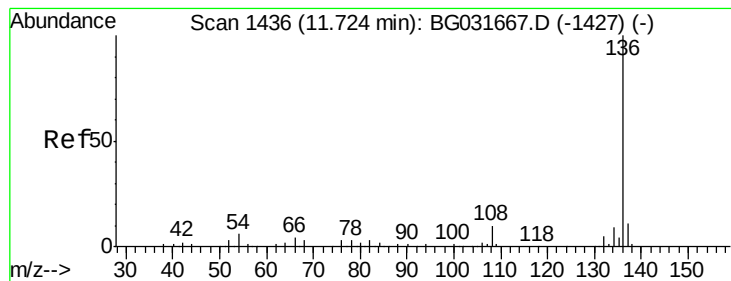
Delta R.T. -0.01 min

Lab File: BG031727.D

Acq: 23 Dec 2017 1:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 7508  |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 75.8  | 11.9  | 51.9# |
| 66        | 43.0  | 22.2  | 62.2  |





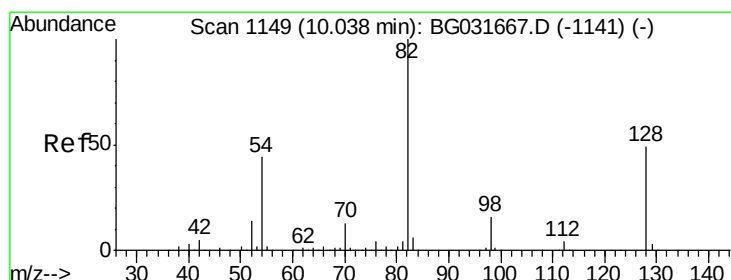
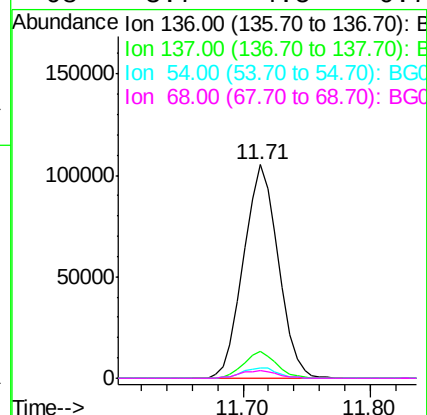
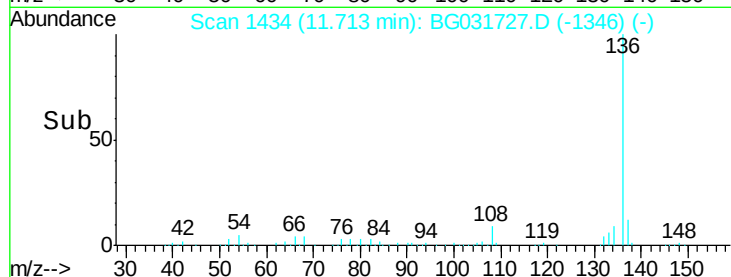
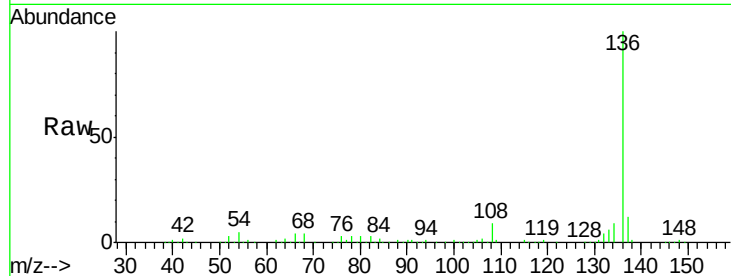
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.71 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-5-121817

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 136     | 100   |            |            |
| 137     | 12.3  | 9.2        | 13.8       |
| 54      | 4.6   | 10.3       | 15.5#      |
| 68      | 3.7   | 4.5        | 6.7#       |

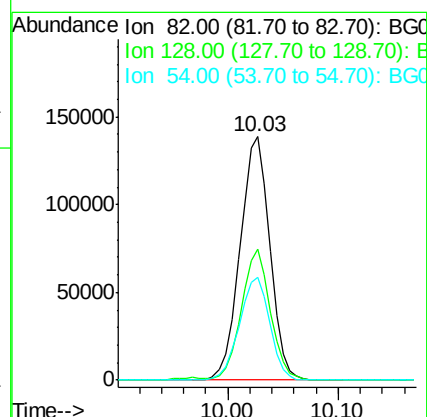
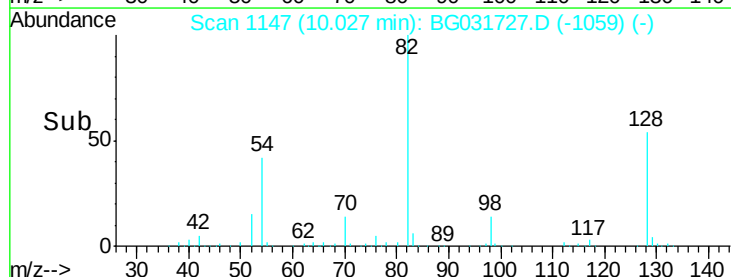
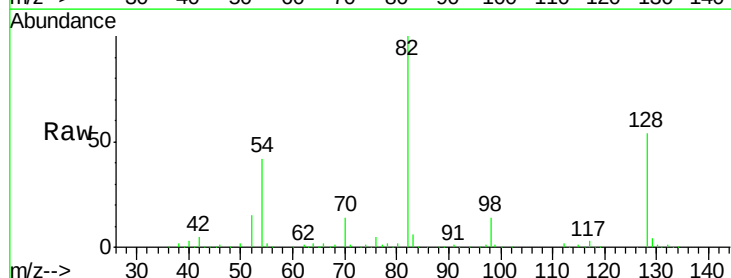
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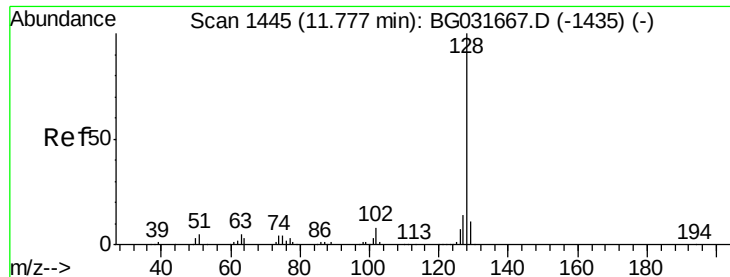
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#23  
Nitrobenzene-d5  
Concen: 99.130 ng  
RT: 10.03 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 53.9  | 29.7       | 44.5#      |
| 54      | 42.3  | 43.1       | 64.7#      |





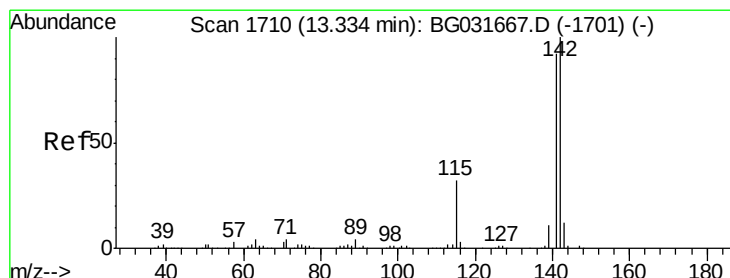
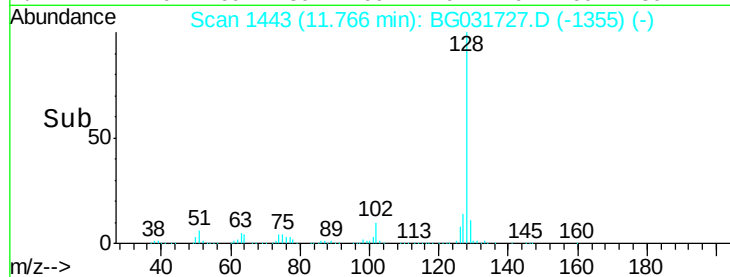
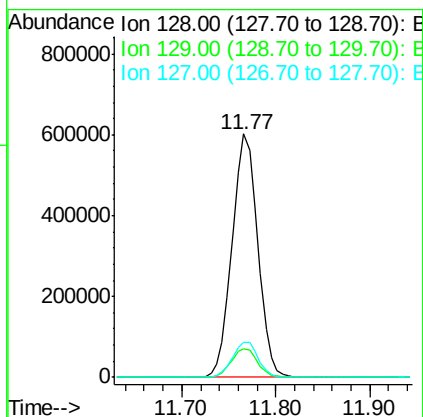
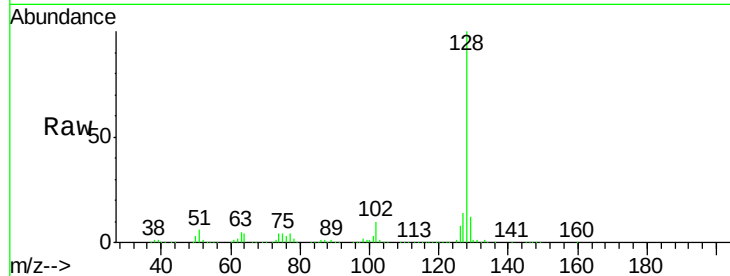
#31  
Naphthalene  
Concen: 113.061 ng  
RT: 11.77 min Scan# 1443  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-5-121817

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 8.6   | 12.8  |
| 127     | 14.5  | 11.6  | 17.4  |

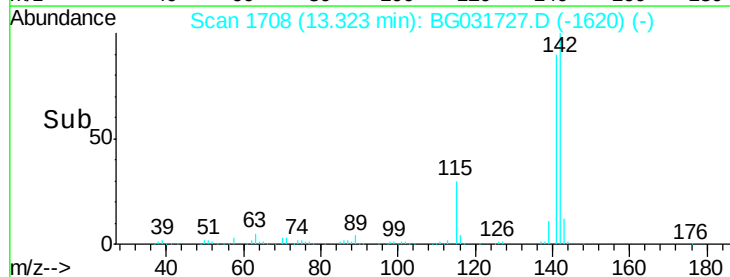
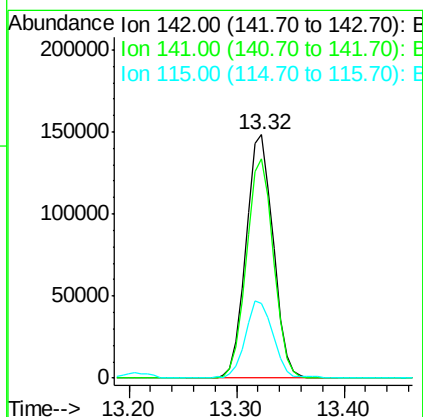
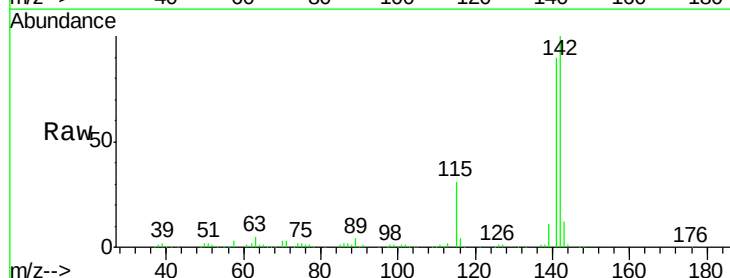
Manual Integrations  
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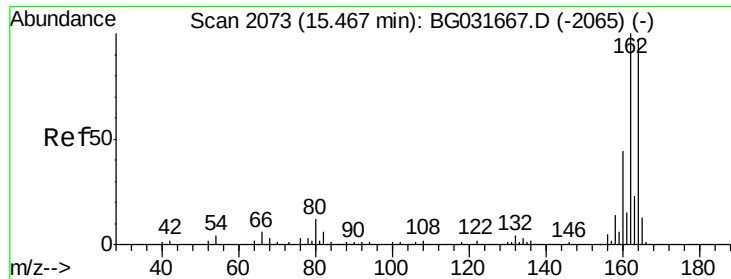
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#37  
2-Methylnaphthalene  
Concen: 31.323 ng m  
RT: 13.32 min Scan# 1708  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.9  | 67.1  | 100.7 |
| 115     | 30.6  | 30.7  | 46.1# |





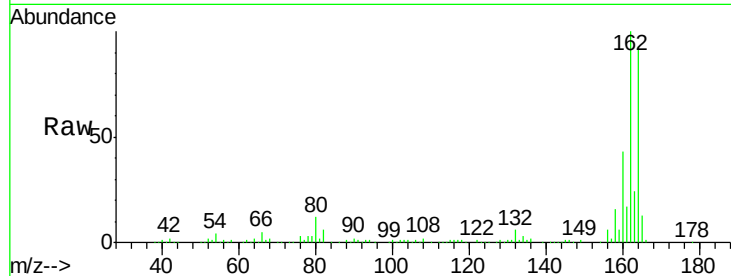
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2071  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-5-121817

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.2 | 78.8  | 118.2 |
| 160     | 46.5  | 35.4  | 53.0  |

Manual Integrations  
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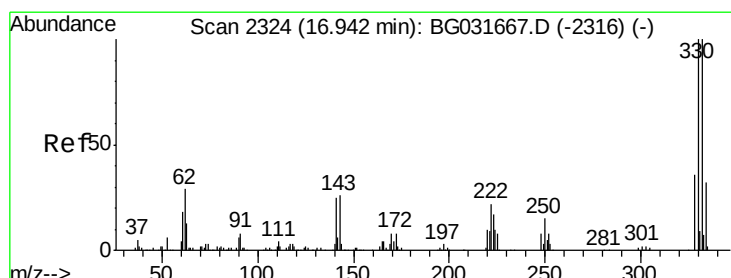
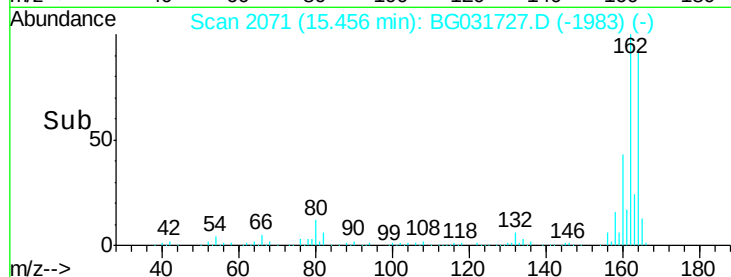
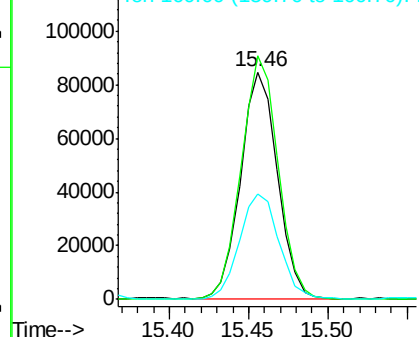


Abundance

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: 163.240 ng  
RT: 16.93 min Scan# 2322  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

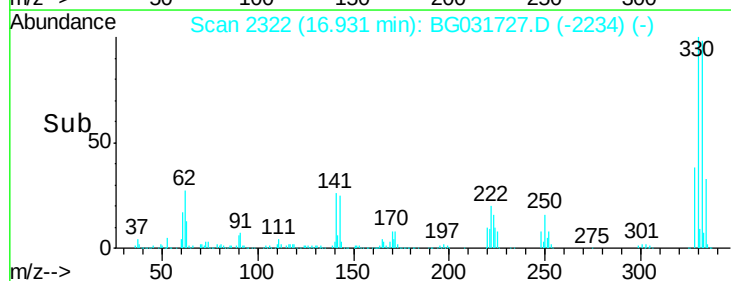
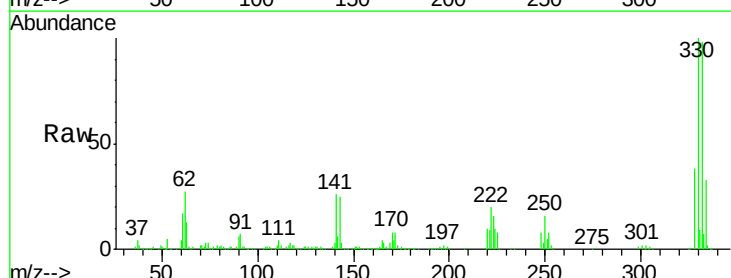
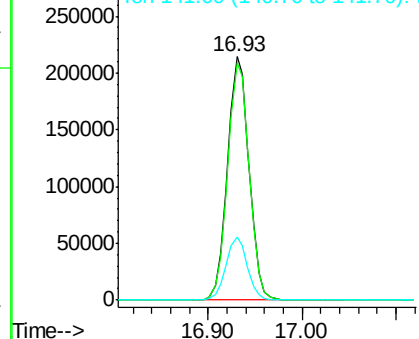
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 77.0  | 115.6 |
| 141     | 25.7  | 25.2  | 37.8  |

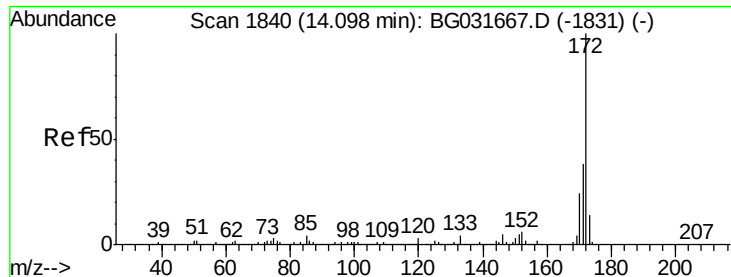
Abundance

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





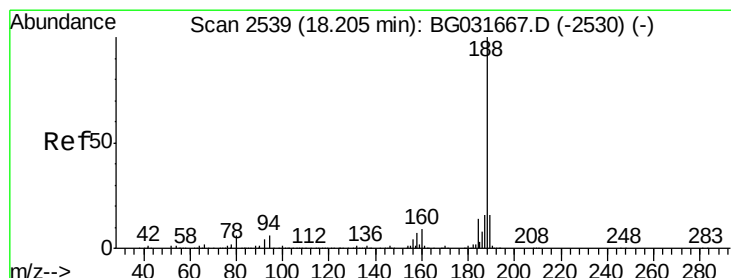
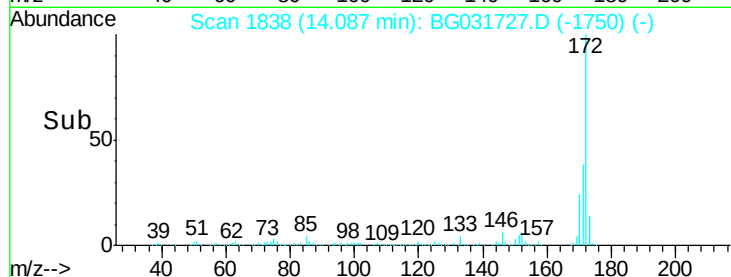
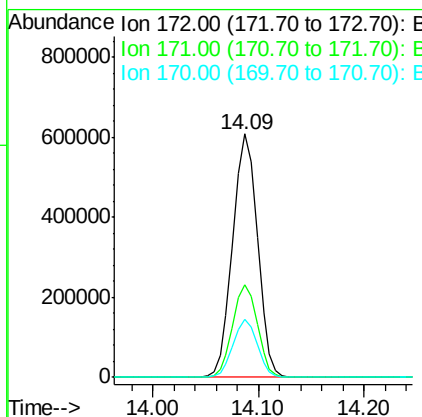
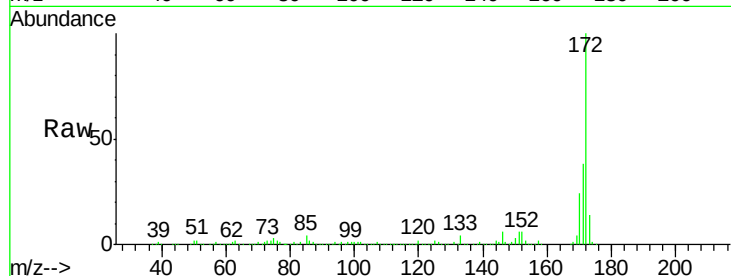
#44  
2-Fluorobiphenyl  
Concen: 90.518 ng  
RT: 14.09 min Scan# 1838  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-5-121817

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 172     | 100   |            |            |
| 171     | 37.9  | 30.0       | 45.0       |
| 170     | 23.6  | 19.5       | 29.3       |

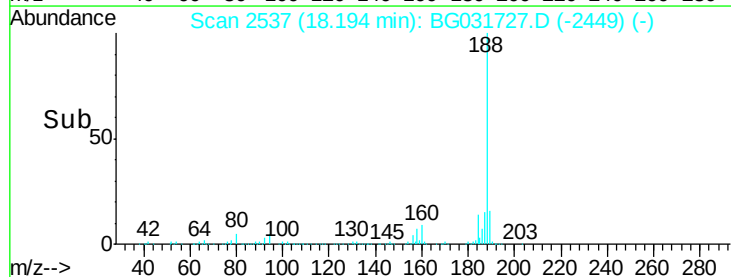
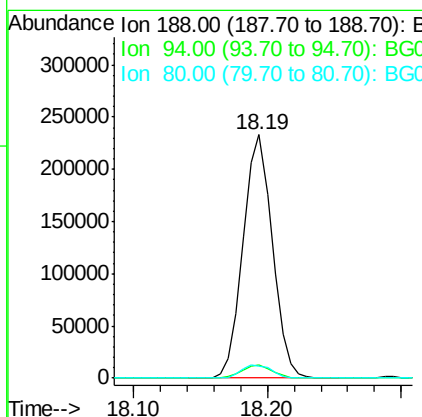
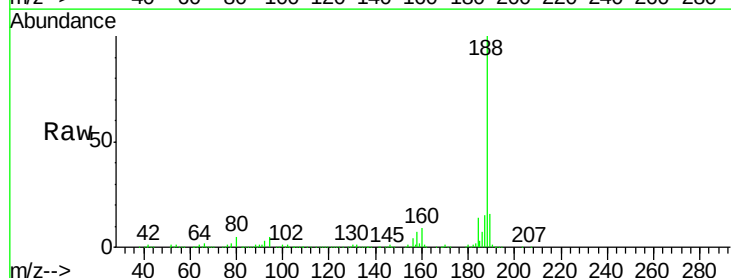
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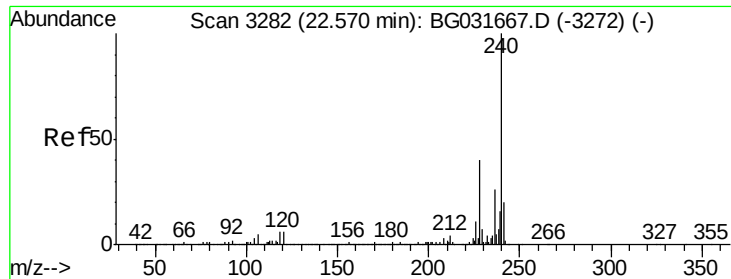


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.19 min Scan# 2537  
Delta R.T. -0.01 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 5.5   | 6.9        | 10.3#      |
| 80      | 5.1   | 7.7        | 11.5#      |







#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BG031727.D

Acq: 23 Dec 2017 1:03

Instrument :

BNA\_G

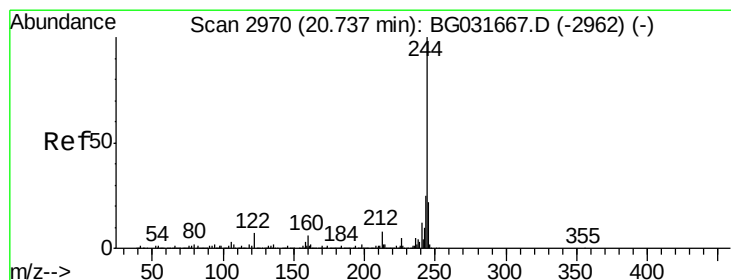
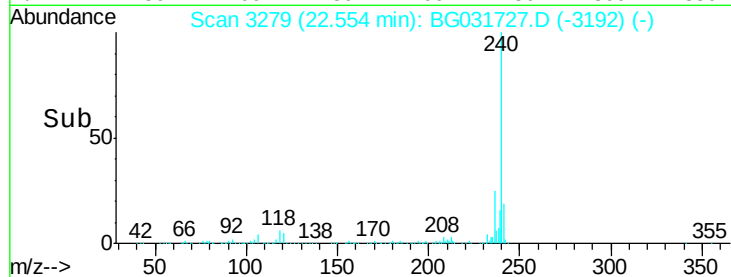
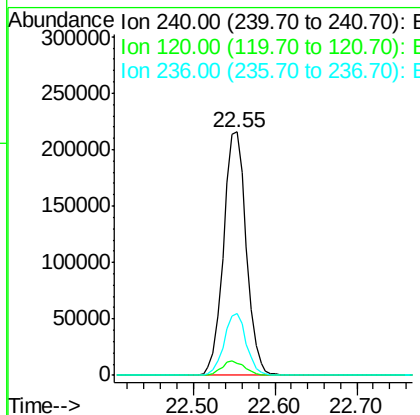
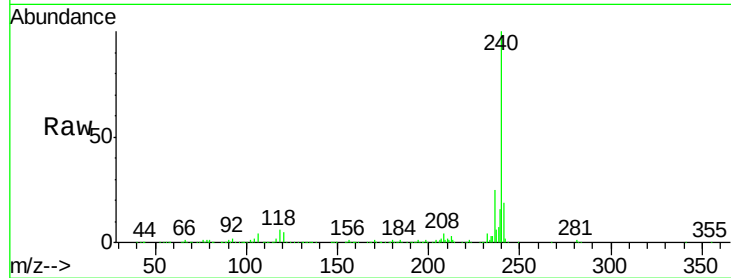
ClientSampleId :

PR-MW-5-121817

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.2   | 6.8   | 10.2# |
| 236     | 25.4  | 20.9  | 31.3  |

Manual Integrations  
APPROVED

Sohil  
12/26/2017 3:31:04 PM



#78

Terphenyl-d14

Concen: 99.721 ng

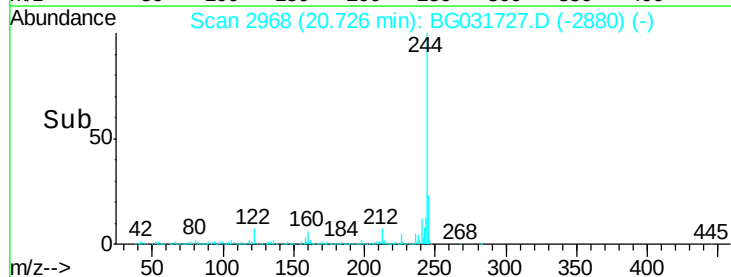
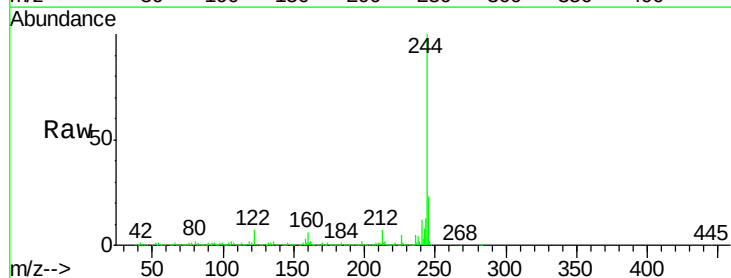
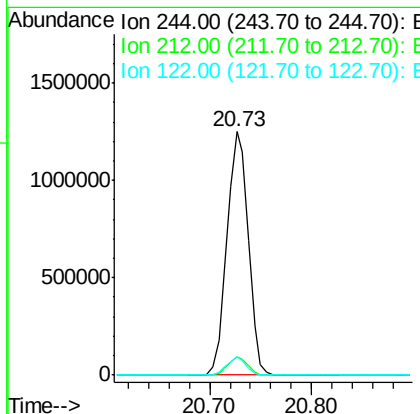
RT: 20.73 min Scan# 2968

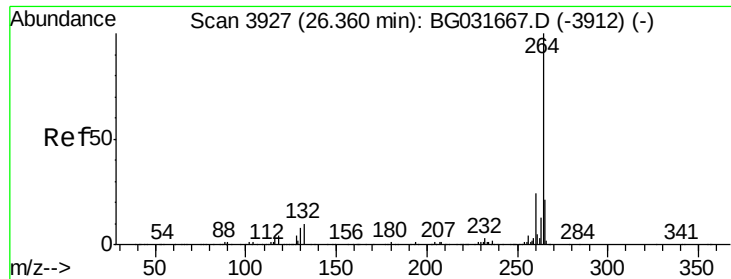
Delta R.T. -0.01 min

Lab File: BG031727.D

Acq: 23 Dec 2017 1:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.8   | 8.8   |
| 122     | 7.4   | 7.0   | 10.4  |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 26.34 min Scan# 3923  
Delta R.T. -0.02 min  
Lab File: BG031727.D  
Acq: 23 Dec 2017 1:03

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-5-121817

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 264 | 100  |       | 447390 |       |       |
| 260 | 23.7 | 17.4  | 26.0   |       |       |
| 265 | 21.0 | 17.7  | 26.5   |       |       |

Manual Integrations  
APPROVED

Sohil  
12/26/2017 3:31:04 PM

