

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112217\  
 Data File : BG031193.D  
 Acq On : 22 Nov 2017 17:25  
 Operator : SJ/JU  
 Sample : I6525-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 T71-MW7

Manual Integrations  
 APPROVED

Sohil  
 11/27/2017 3:22:02 PM

Quant Time: Nov 23 02:23:14 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 54287    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.95 | 136  | 235158   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 157510   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 418147   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 511099   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.07 | 264  | 490868   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 209607   | 66.21  | ng    | -0.01    |
| 7) Phenol-d6                | 7.30  | 99   | 165592   | 38.82  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 368751   | 92.92  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 304078   | 119.34 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1113751  | 101.60 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 2014904  | 87.05  | ng    | 0.00     |

Target Compounds Qvalue

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

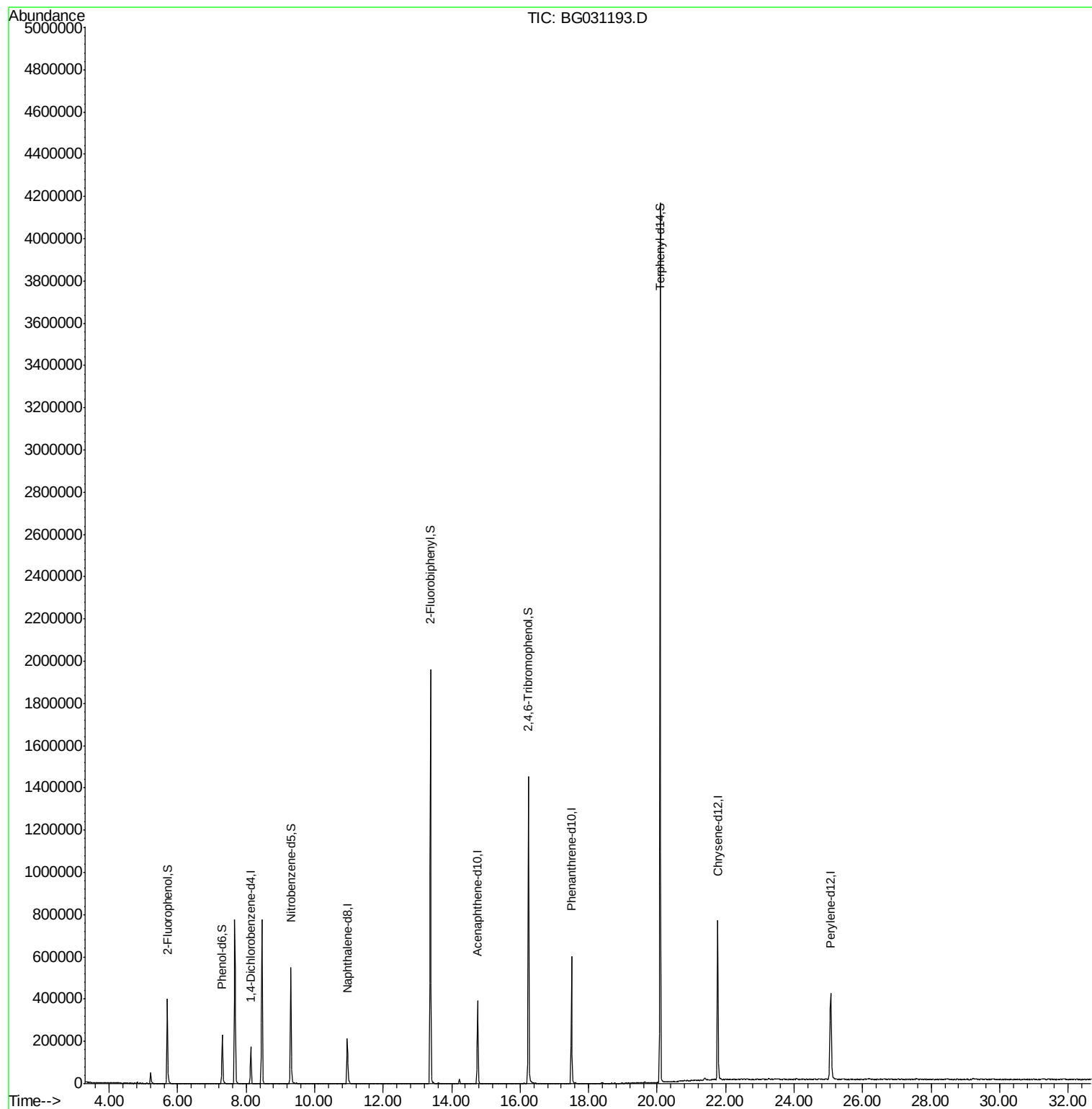
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112217\  
Data File : BG031193.D  
Acq On : 22 Nov 2017 17:25  
Operator : SJ/JU  
Sample : I6525-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

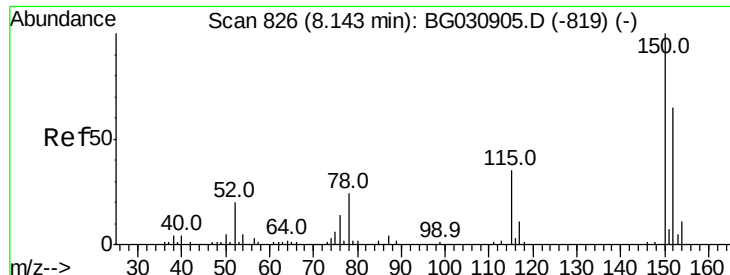
Instrument :  
BNA\_G  
ClientSampleId :  
T71-MW7

Manual Integrations  
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Quant Time: Nov 23 02:23:14 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration





#1

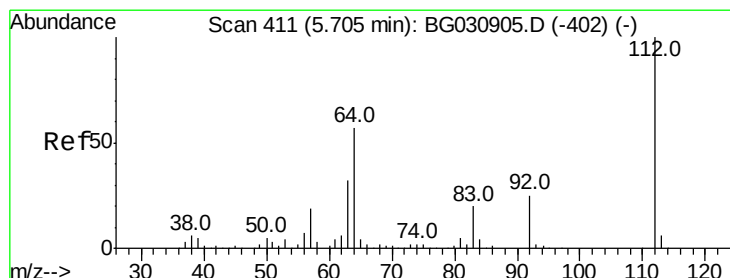
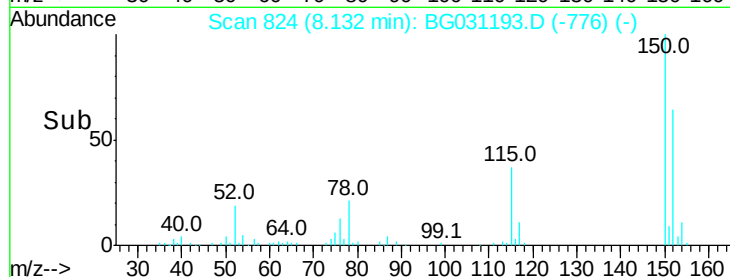
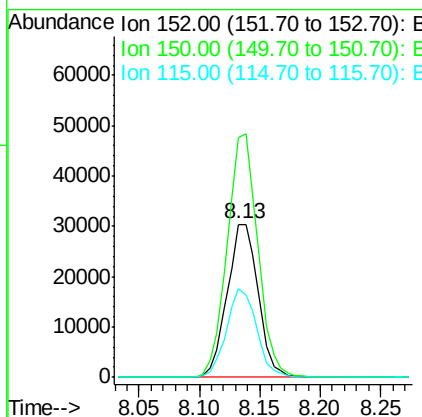
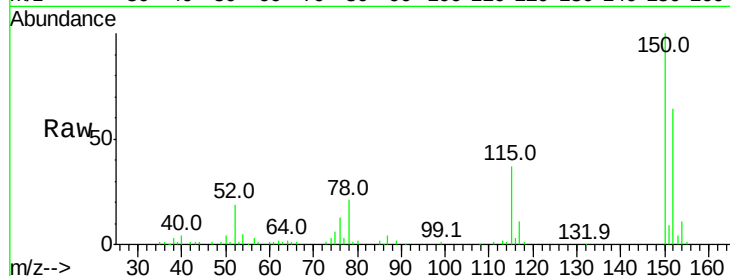
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.13 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BG031193.D  
Acq: 22 Nov 2017 17:25

Instrument :  
BNA\_G  
ClientSampleId :  
T71-MW7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 126.6 | 189.8 |
| 115     | 58.2  | 53.0  | 79.4  |

Manual Integrations  
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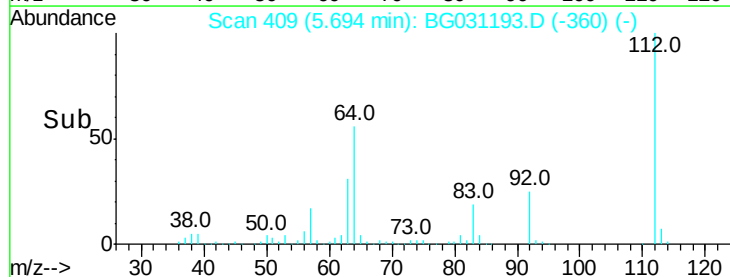
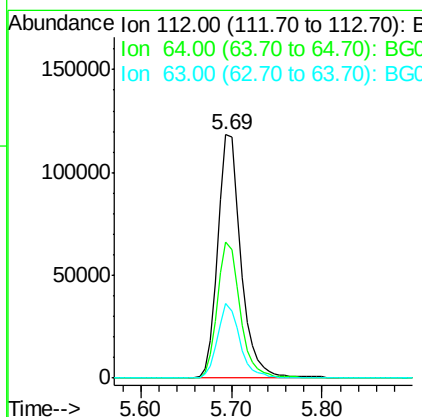
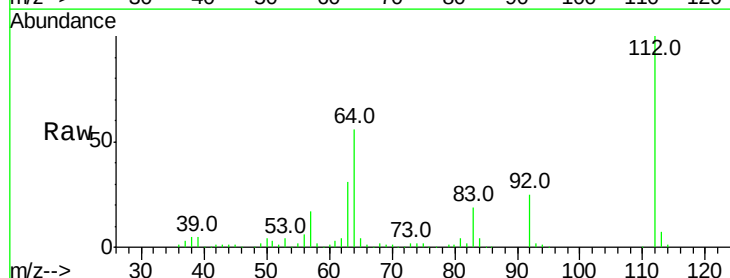
Sohil  
11/27/2017 3:22:02 PM

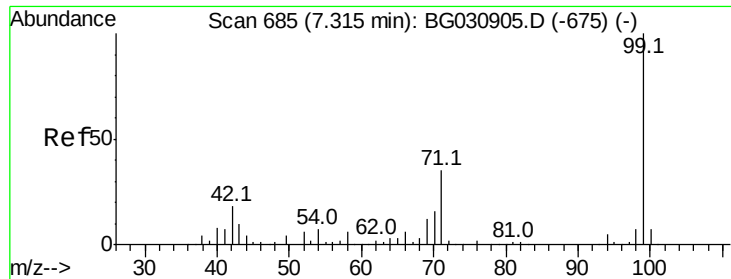


#5

2-Fluorophenol  
Concen: 66.208 ng  
RT: 5.69 min Scan# 409  
Delta R.T. -0.01 min  
Lab File: BG031193.D  
Acq: 22 Nov 2017 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.0  | 56.3  | 84.5# |
| 63      | 30.8  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 38.825 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG031193.D

Acq: 22 Nov 2017 17:25

Instrument :

BNA\_G

ClientSampled :

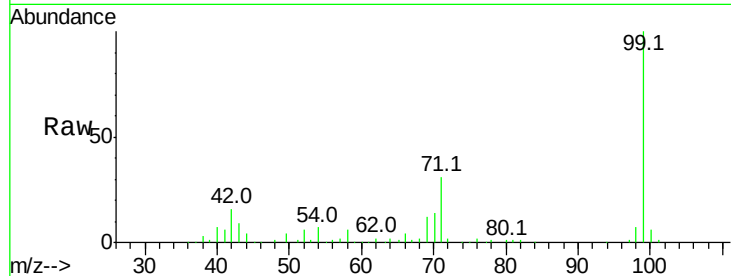
T71-MW7

Tot Ion: 99 Resp: 165592

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.5  | 14.1  | 21.1  |
| 71  | 31.4  | 26.1  | 39.1  |

Manual Integrations  
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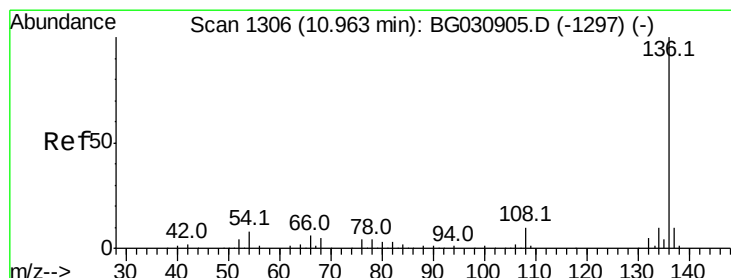
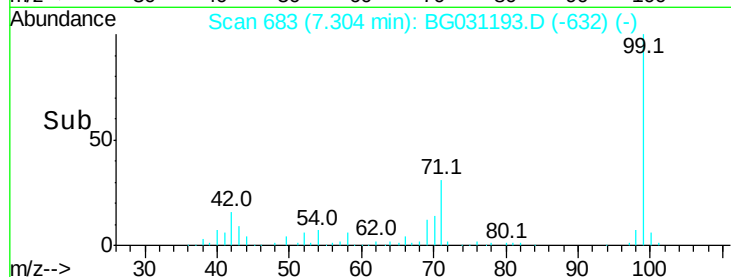
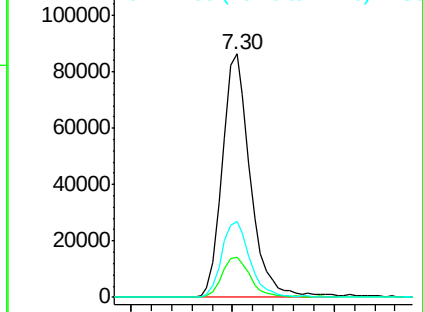


Abundance

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: 20.000 ng

RT: 10.95 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BG031193.D

Acq: 22 Nov 2017 17:25

Tgt Ion: 136 Resp: 235158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.2   | 13.8  |
| 54  | 7.8   | 10.3  | 15.5  |
| 68  | 5.3   | 4.5   | 6.7   |

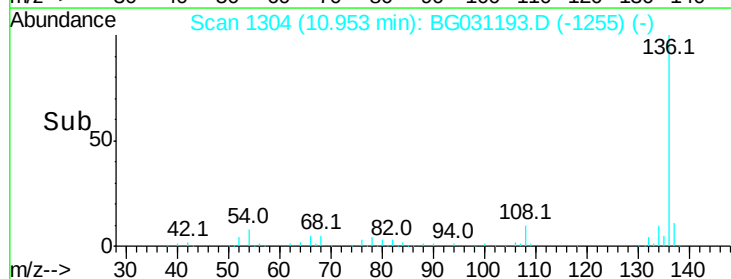
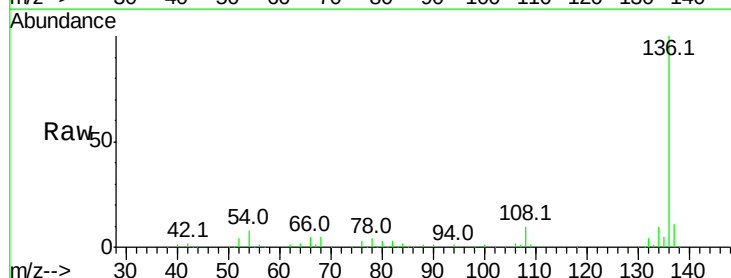
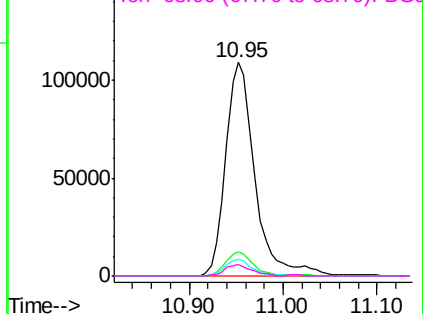
Abundance

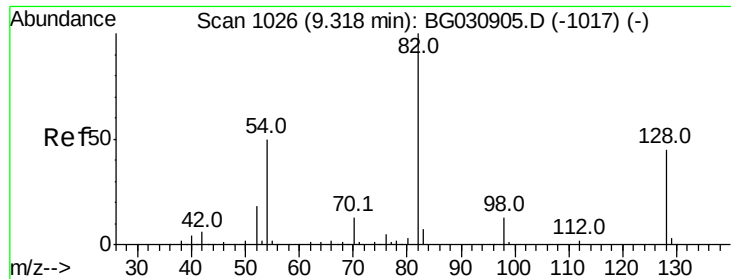
Ion 136.00 (135.70 to 136.70): BGC

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





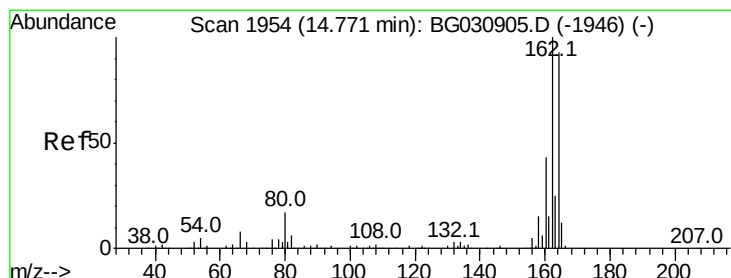
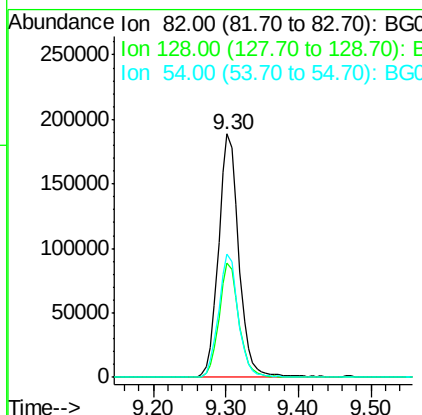
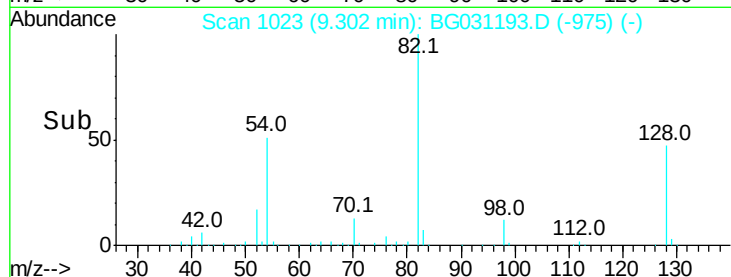
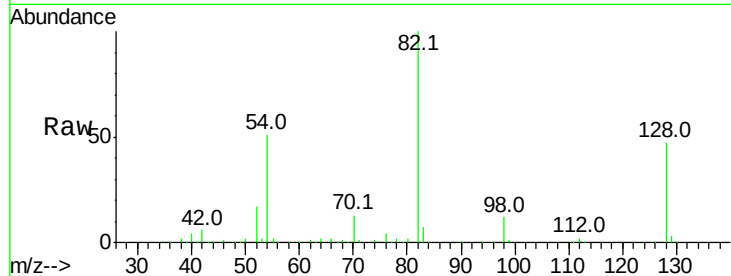
#23  
 Nitrobenzene-d5  
 Concen: 92.920 ng  
 RT: 9.30 min Scan# 1023  
 Delta R.T. -0.02 min  
 Lab File: BG031193.D  
 Acq: 22 Nov 2017 17:25

Instrument :  
 BNA\_G  
 ClientSampled :  
 T71-MW7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.8  | 29.7  | 44.5# |
| 54      | 50.7  | 43.1  | 64.7  |

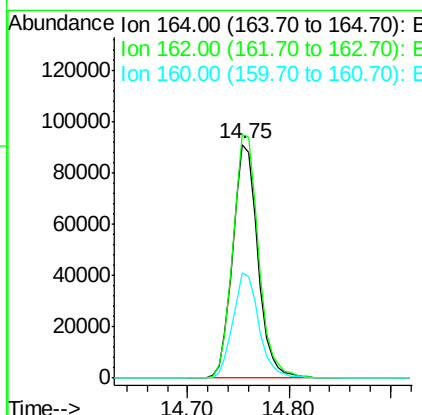
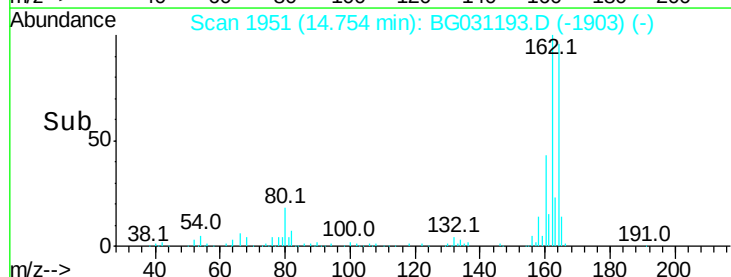
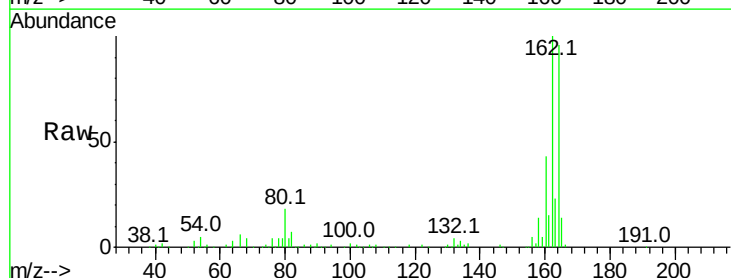
Manual Integrations  
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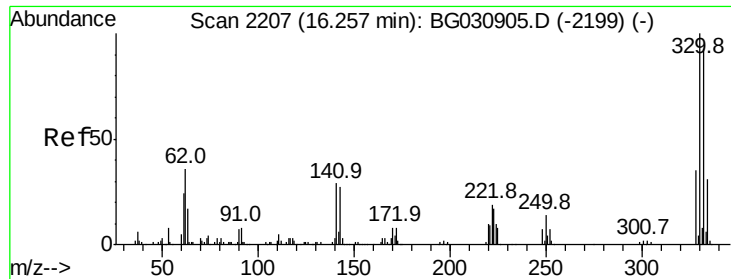
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.75 min Scan# 1951  
 Delta R.T. -0.02 min  
 Lab File: BG031193.D  
 Acq: 22 Nov 2017 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 78.8  | 118.2 |
| 160     | 44.9  | 35.4  | 53.0  |





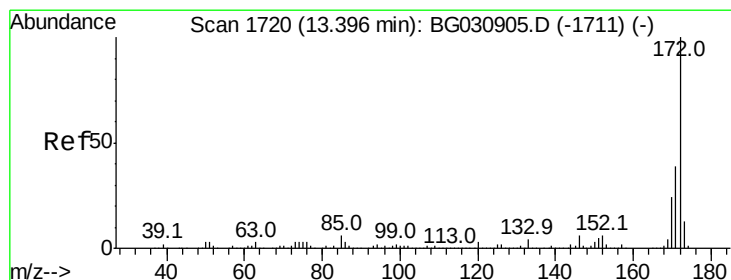
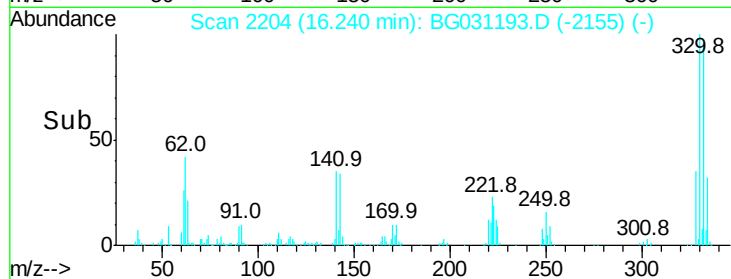
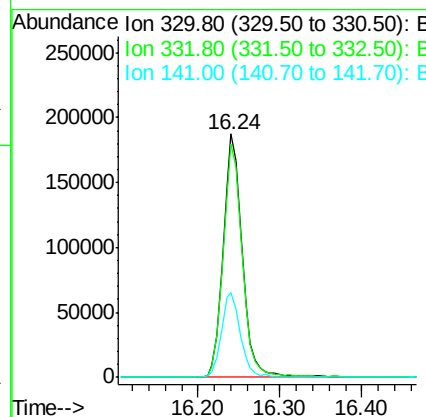
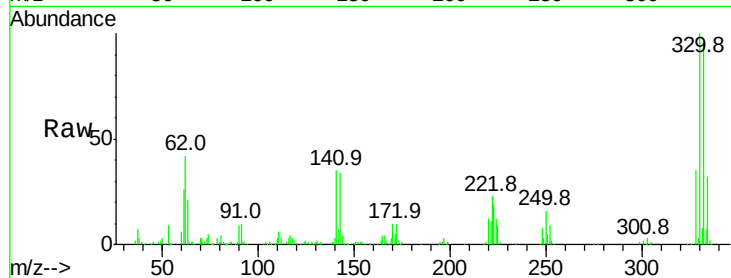
#41  
 2,4,6-Tribromophenol  
 Concen: 119.340 ng  
 RT: 16.24 min Scan# 2204  
 Delta R.T. -0.01 min  
 Lab File: BG031193.D  
 Acq: 22 Nov 2017 17:25

Instrument :  
 BNA\_G  
 ClientSampled :  
 T71-MW7

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 304078 |       |       |
| 332     | 96.3  | 77.0   | 115.6 |       |
| 141     | 35.0  | 25.2   | 37.8  |       |

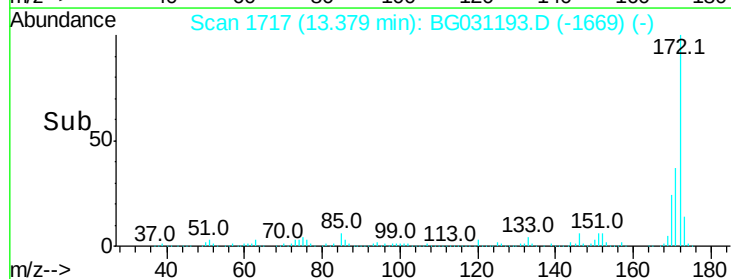
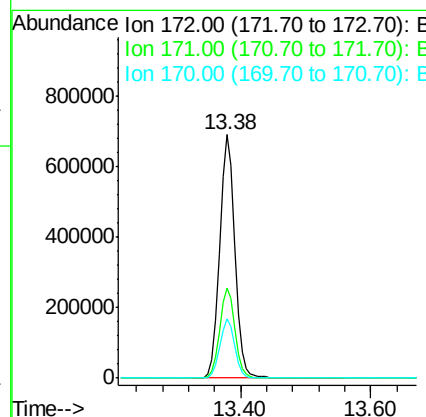
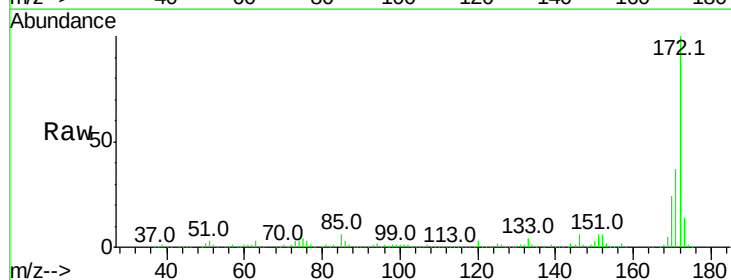
Manual Integrations  
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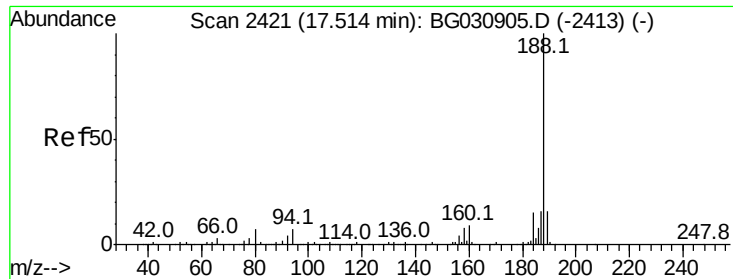
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#44  
 2-Fluorobiphenyl  
 Concen: 101.602 ng  
 RT: 13.38 min Scan# 1717  
 Delta R.T. -0.02 min  
 Lab File: BG031193.D  
 Acq: 22 Nov 2017 17:25

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1113751 |       |       |
| 171     | 37.0  | 30.0    | 45.0  |       |
| 170     | 24.1  | 19.5    | 29.3  |       |





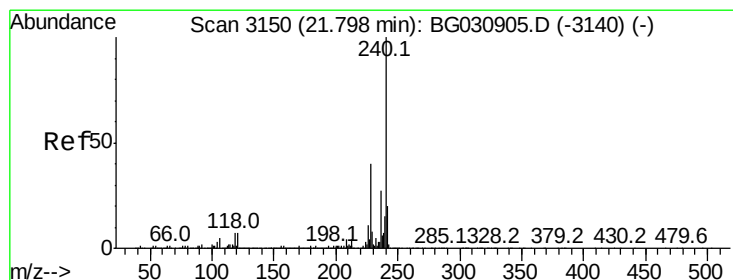
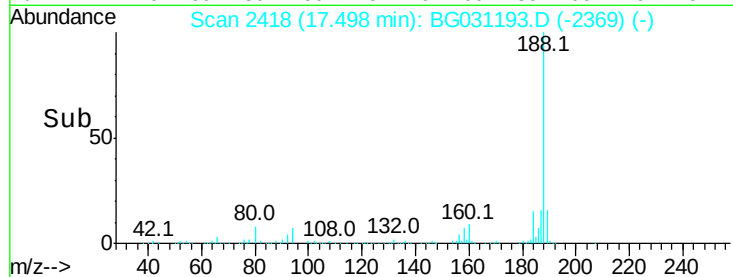
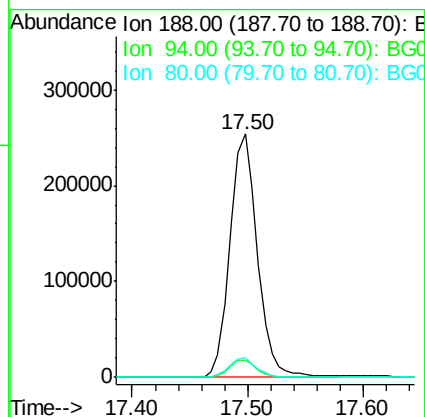
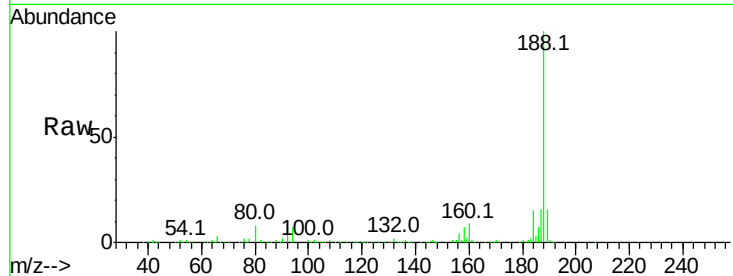
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.50 min Scan# 2418  
Delta R.T. -0.01 min  
Lab File: BG031193.D  
Acq: 22 Nov 2017 17:25

Instrument :  
BNA\_G  
ClientSampleId :  
T71-MW7

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 418147 |       |       |
| 94      | 6.8   | 6.9    | 10.3# |       |
| 80      | 7.8   | 7.7    | 11.5  |       |

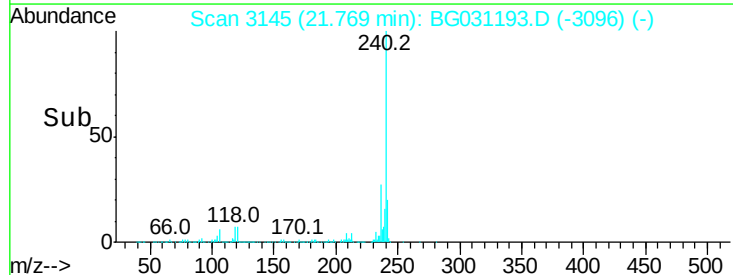
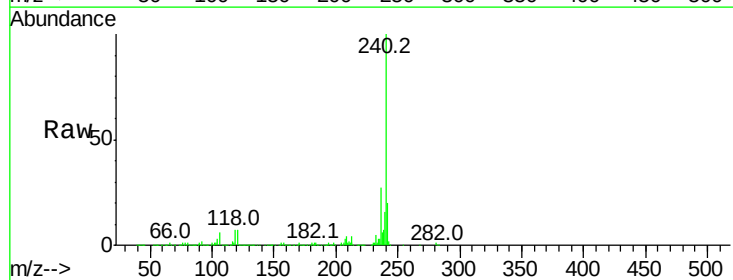
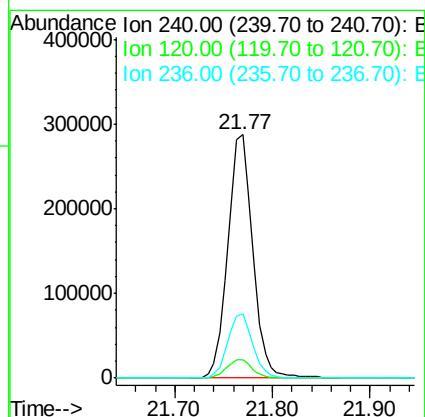
Manual Integrations  
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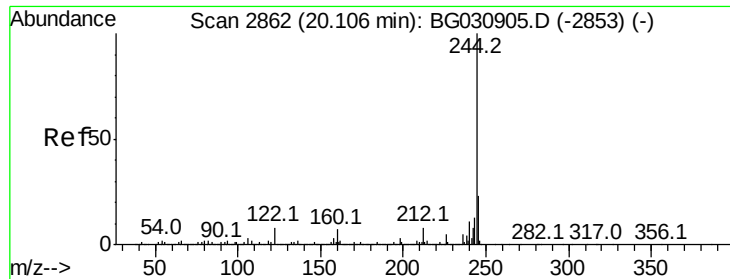
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#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG031193.D  
Acq: 22 Nov 2017 17:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 511099 |       |       |
| 120     | 7.5   | 6.8    | 10.2  |       |
| 236     | 26.5  | 20.9   | 31.3  |       |





#78

Terphenyl-d14

Concen: 87.049 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG031193.D

Acq: 22 Nov 2017 17:25

Instrument :

BNA\_G

ClientSampleId :

T71-MW7

Tot Ion:244 Resp: 2014904

Ion Ratio Lower Upper

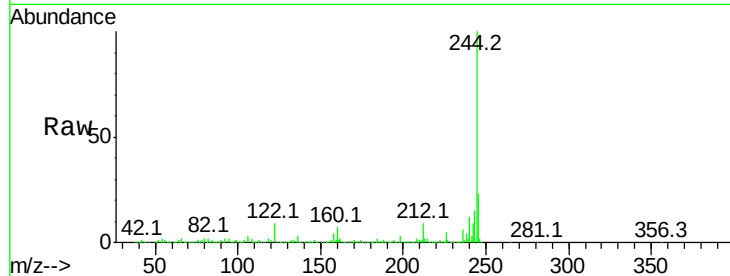
244 100

212 8.5 5.8 8.8

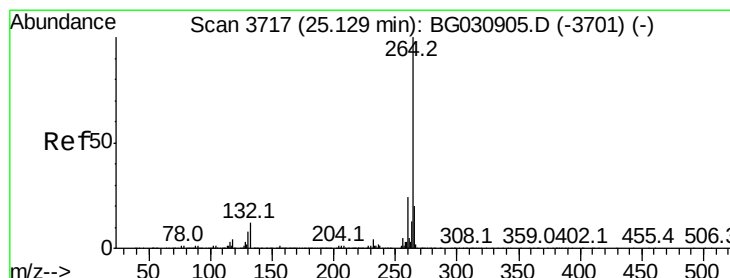
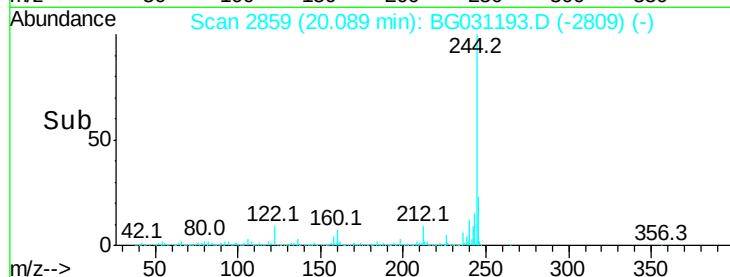
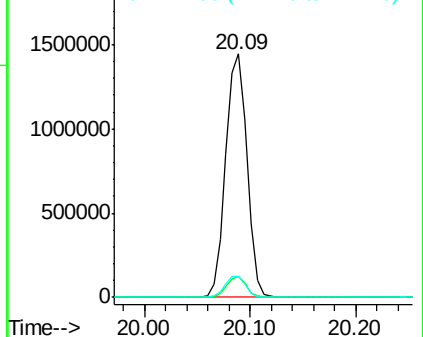
122 8.8 7.0 10.4

Manual Integrations  
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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: 20.000 ng

RT: 25.07 min Scan# 3706

Delta R.T. -0.03 min

Lab File: BG031193.D

Acq: 22 Nov 2017 17:25

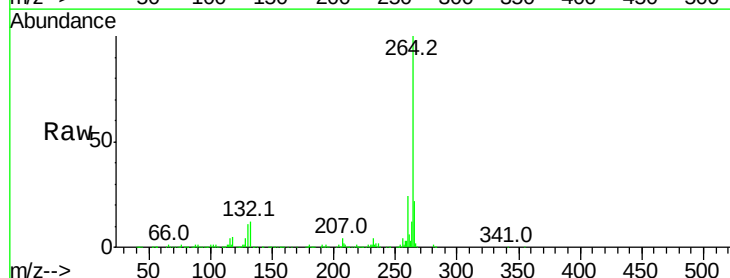
Tgt Ion:264 Resp: 490868

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.9 17.7 26.5



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

