

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
 Data File : BG034044.D  
 Acq On : 27 Apr 2018 18:15  
 Operator : SJ/JU  
 Sample : J2156-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-042518-C

Manual Integrations  
 APPROVED

Sohil  
 4/30/2018 7:02:38 PM

Quant Time: Apr 28 01:40:23 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.76  | 152  | 51160m   | 20.00  | ng    | -0.08    |
| 21) Naphthalene-d8          | 10.54 | 136  | 217991   | 20.00  | ng    | -0.09    |
| 38) Acenaphthene-d10        | 14.39 | 164  | 165466   | 20.00  | ng    | -0.09    |
| 63) Phenanthrene-d10        | 17.15 | 188  | 474366   | 20.00  | ng    | -0.08    |
| 75) Chrysene-d12            | 21.39 | 240  | 535849   | 20.00  | ng    | -0.10    |
| 86) Perylene-d12            | 24.39 | 264  | 510199   | 20.00  | ng    | -0.17    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 392469   | 122.48 | ng    | -0.08    |
| 7) Phenol-d6                | 6.95  | 99   | 505930   | 108.25 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 8.91  | 82   | 327014   | 85.37  | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 15.89 | 330  | 362127   | 187.59 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 13.01 | 172  | 1116653  | 99.14  | ng    | -0.09    |
| 78) Terphenyl-d14           | 19.78 | 244  | 2480406  | 103.99 | ng    | -0.08    |

Target Compounds Qvalue

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

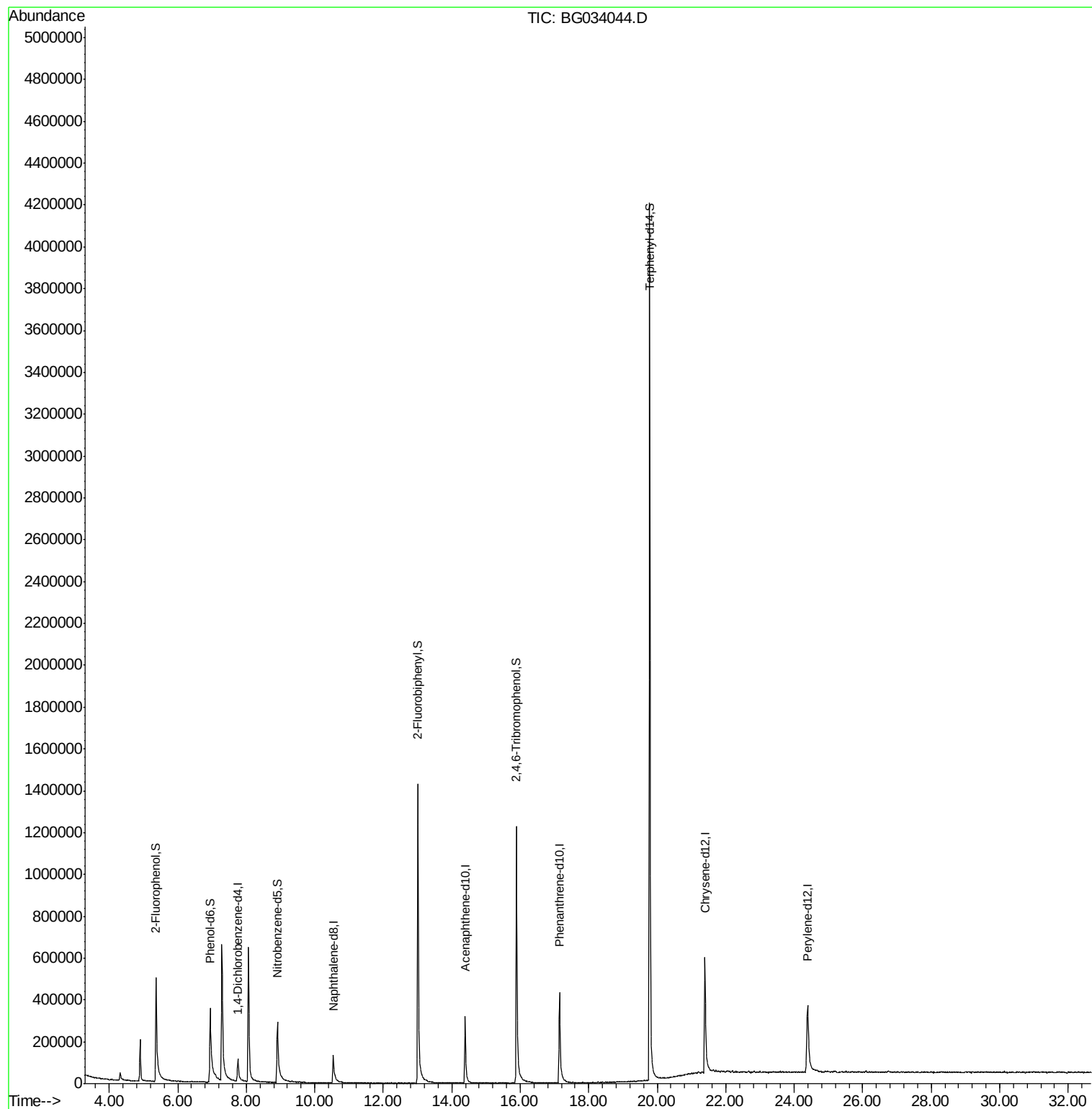
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
Data File : BG034044.D  
Acq On : 27 Apr 2018 18:15  
Operator : SJ/JU  
Sample : J2156-10  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

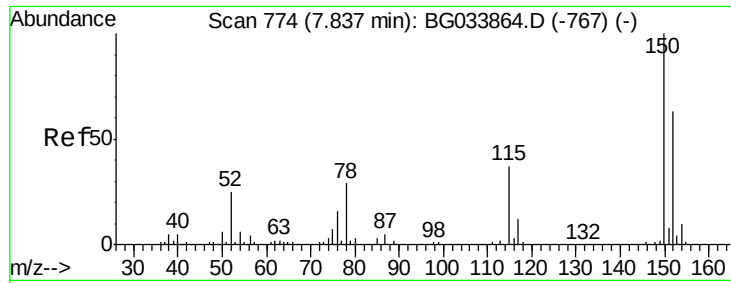
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-042518-C

Manual Integrations  
APPROVED

Sohil  
4/30/2018 7:02:38 PM

Quant Time: Apr 28 01:40:23 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 19 13:56:22 2018  
Response via : Initial Calibration





#1

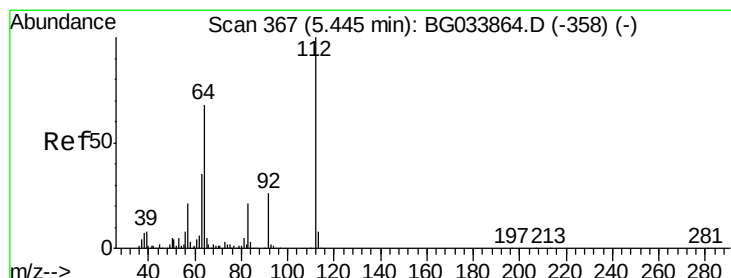
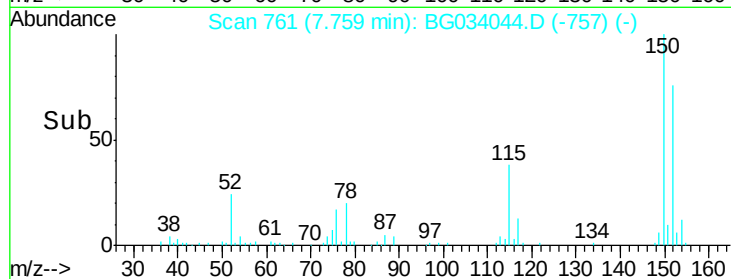
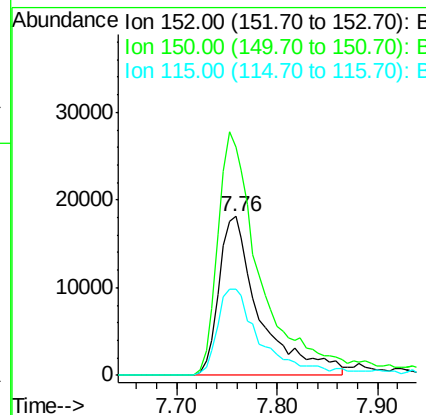
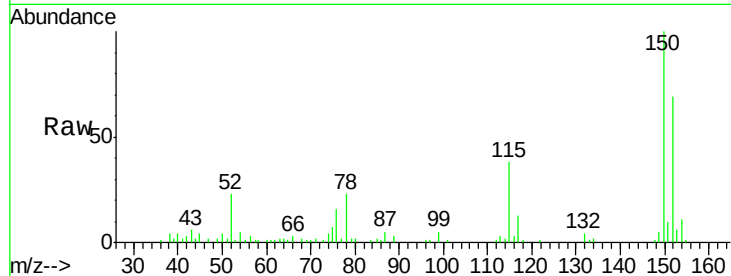
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng/ml  
 RT: 7.76 min Scan# 761  
 Delta R.T. -0.08 min  
 Lab File: BG034044.D  
 Acq: 27 Apr 2018 18:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-042518-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.9 | 126.6 | 189.8 |
| 115     | 54.6  | 53.0  | 79.4  |

Manual Integrations  
 APPROVED

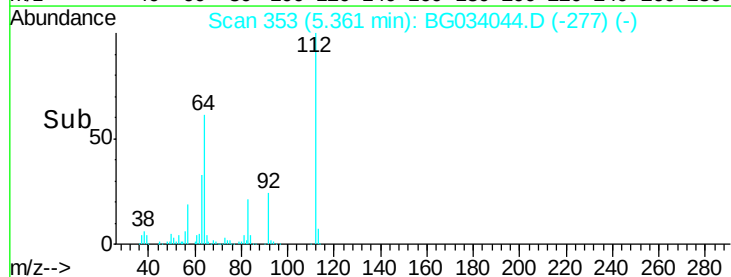
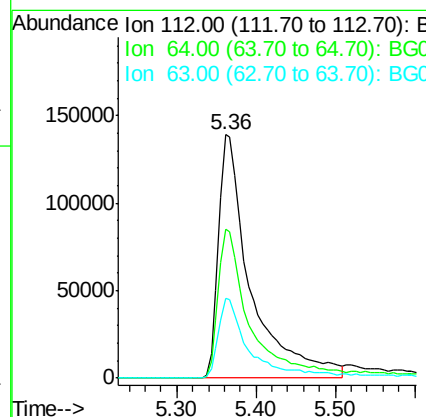
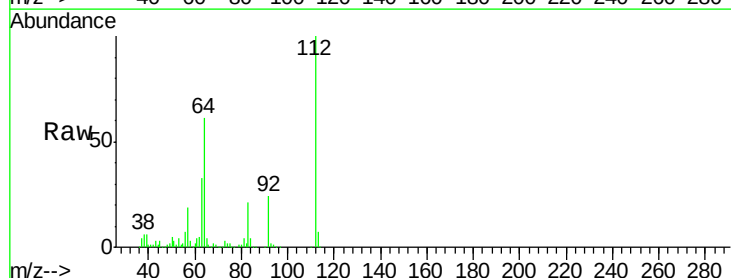
Sohil  
 4/30/2018 7:02:38 PM

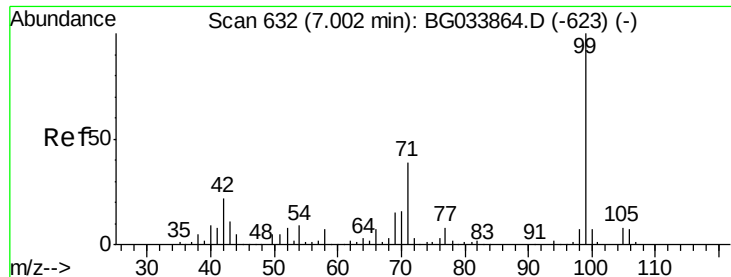


#5

2-Fluorophenol  
 Concen: 122.476 ng  
 RT: 5.36 min Scan# 353  
 Delta R.T. -0.08 min  
 Lab File: BG034044.D  
 Acq: 27 Apr 2018 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.4  | 56.3  | 84.5  |
| 63      | 32.9  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 108.247 ng

RT: 6.95 min Scan# 623

Delta R.T. -0.05 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA\_G

ClientSampleId :

HR-05-042518-C

Tot Ion: 99 Resp: 505930

Ion Ratio Lower Upper

99 100

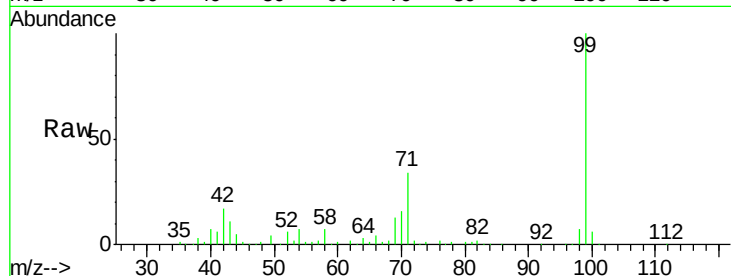
42 17.5 14.1 21.1

71 34.0 26.1 39.1

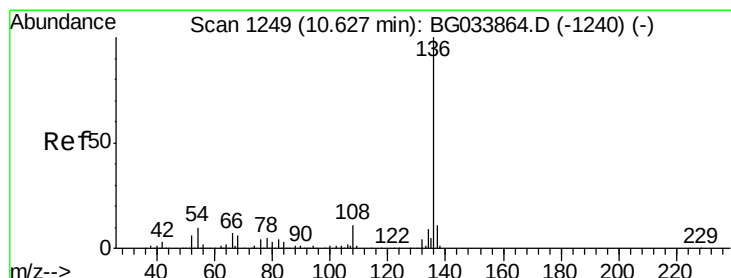
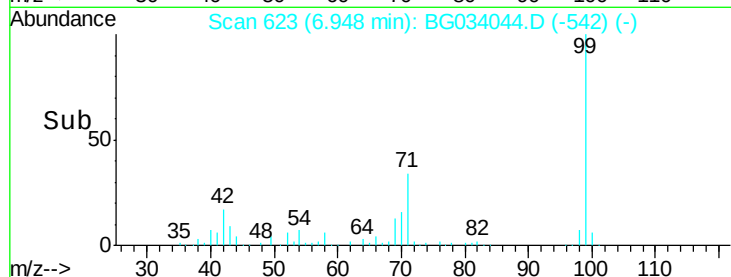
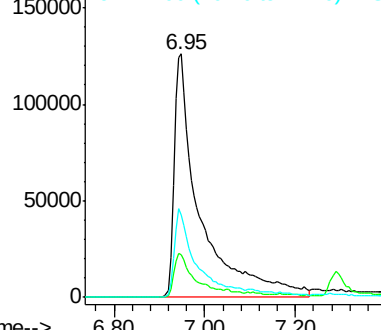
Manual Integrations  
APPROVED

Sohil

4/30/2018 7:02:38 PM



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: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Tgt Ion: 136 Resp: 217991

Ion Ratio Lower Upper

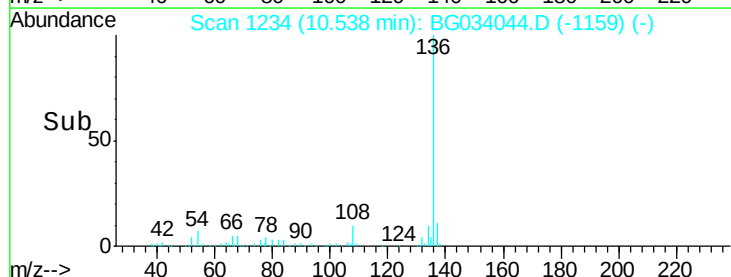
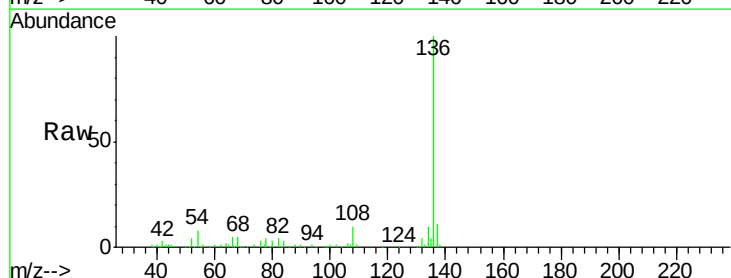
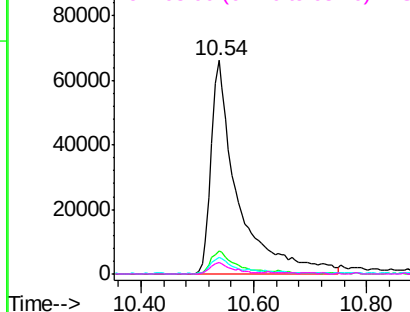
136 100

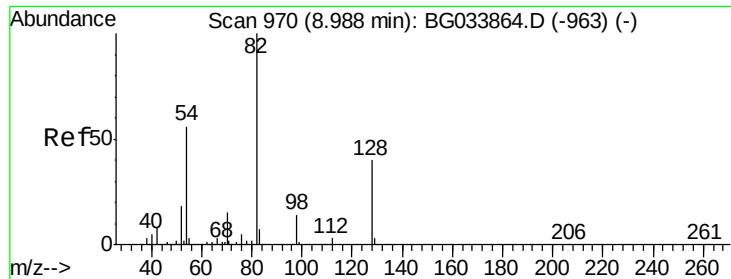
137 10.7 9.2 13.8

54 7.5 10.3 15.5#

68 5.1 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: 85.372 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.08 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA\_G

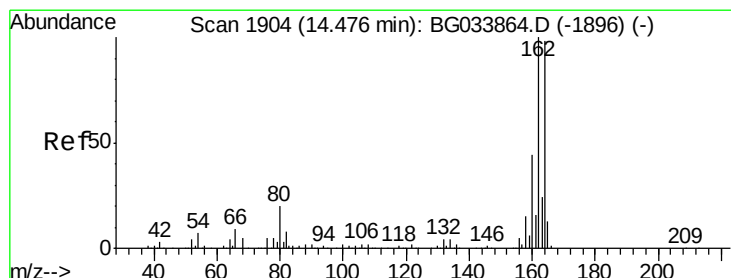
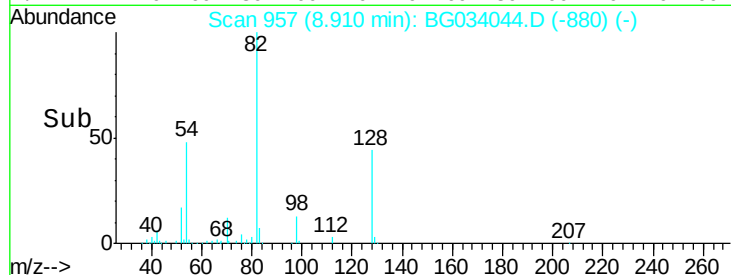
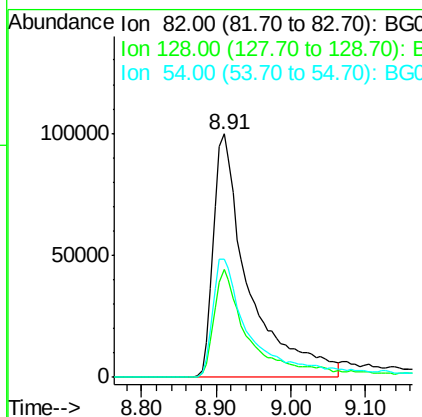
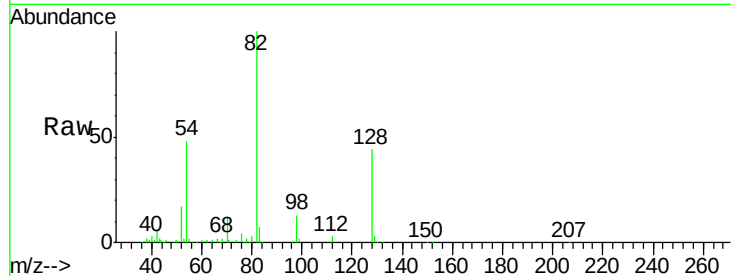
ClientSampled :

HR-05-042518-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 327014 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.1  | 29.7  | 44.5   |
| 54        | 48.5  | 43.1  | 64.7   |

Manual Integrations  
APPROVED

Sohil  
4/30/2018 7:02:38 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

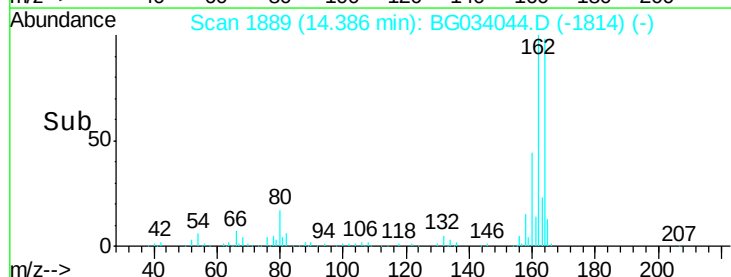
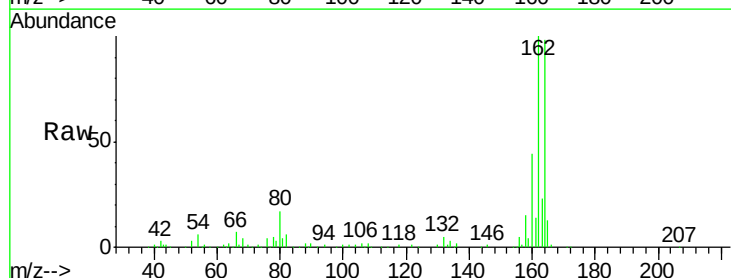
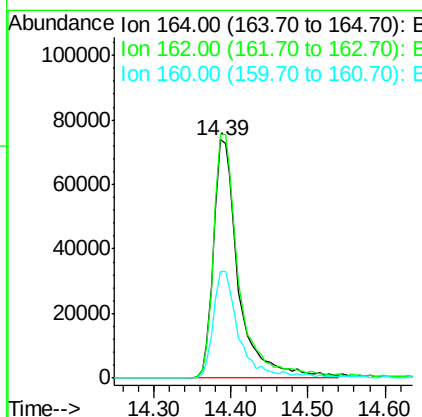
RT: 14.39 min Scan# 1889

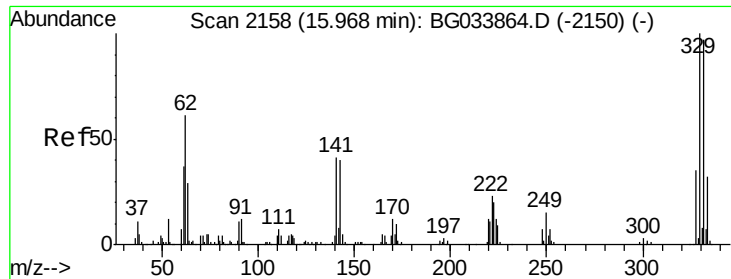
Delta R.T. -0.09 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 165466 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.3 | 78.8  | 118.2  |
| 160       | 44.7  | 35.4  | 53.0   |





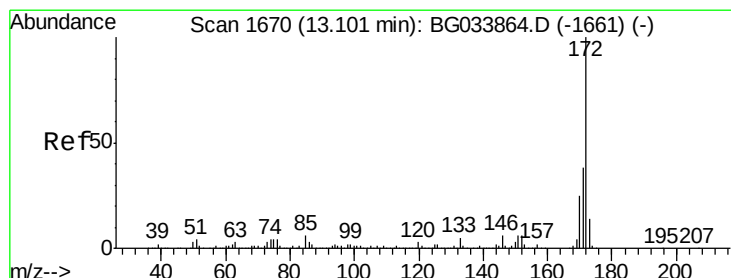
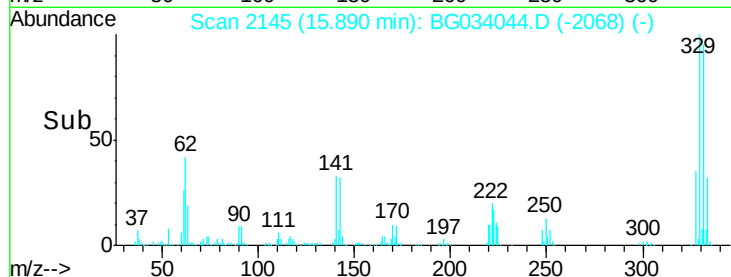
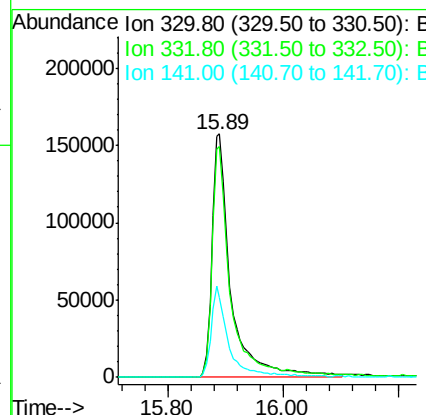
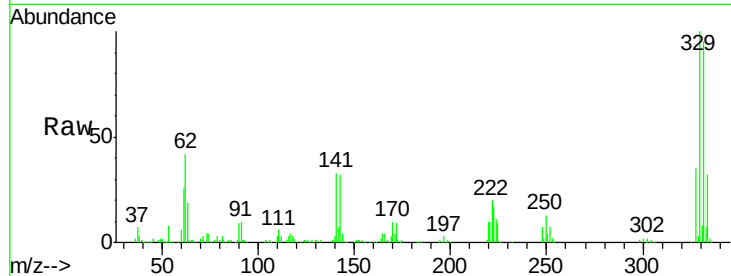
#41  
 2,4,6-Tribromophenol  
 Concen: 187.589 ng  
 RT: 15.89 min Scan# 2145  
 Delta R.T. -0.08 min  
 Lab File: BG034044.D  
 Acq: 27 Apr 2018 18:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-042518-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.3  | 77.0  | 115.6 |
| 141     | 34.2  | 25.2  | 37.8  |

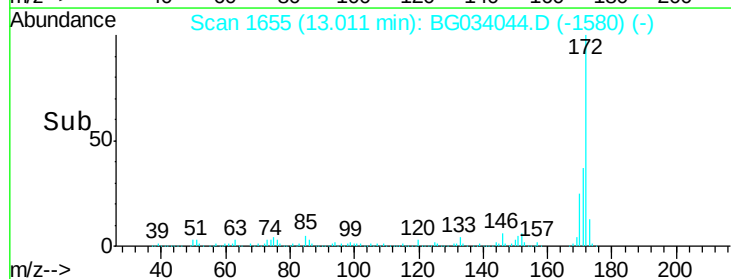
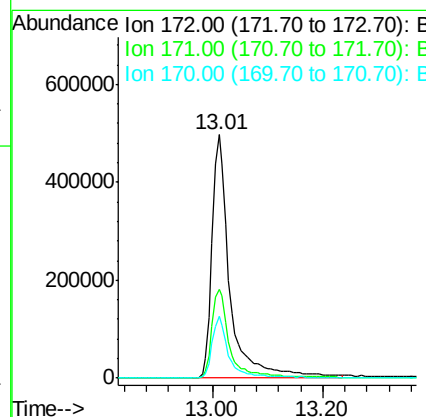
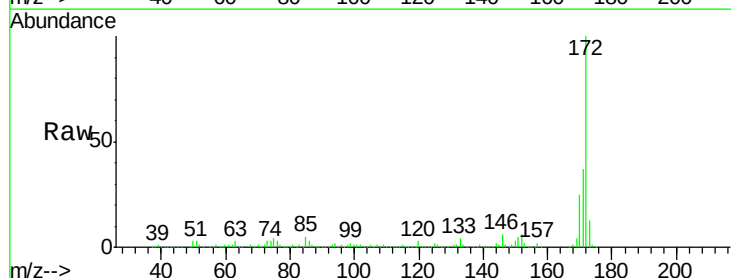
Manual Integrations  
 APPROVED

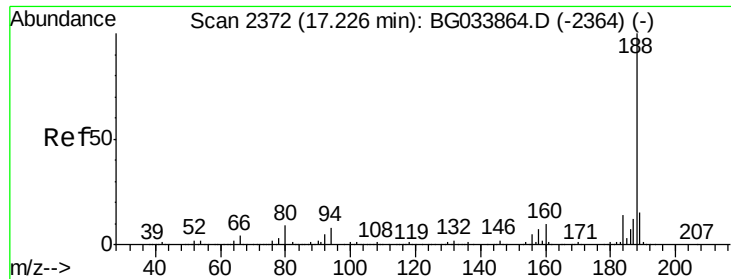
Sohil  
 4/30/2018 7:02:38 PM



#44  
 2-Fluorobiphenyl  
 Concen: 99.138 ng  
 RT: 13.01 min Scan# 1655  
 Delta R.T. -0.09 min  
 Lab File: BG034044.D  
 Acq: 27 Apr 2018 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 30.0  | 45.0  |
| 170     | 25.3  | 19.5  | 29.3  |





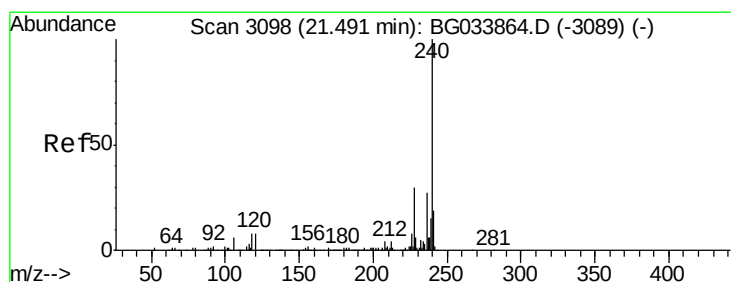
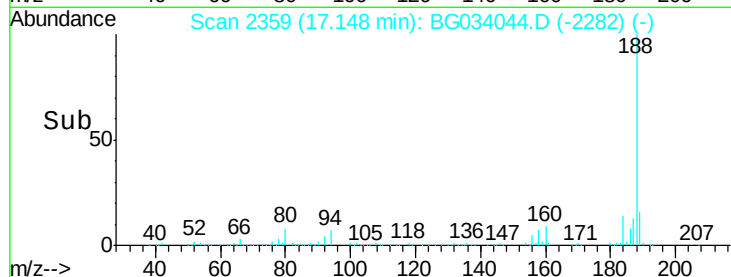
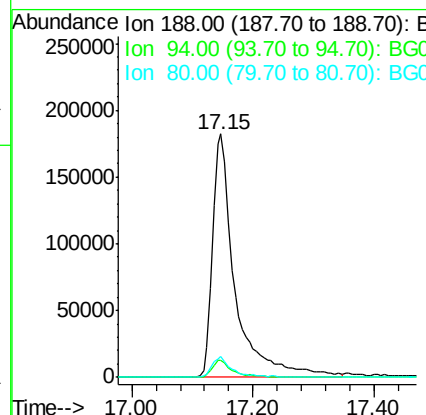
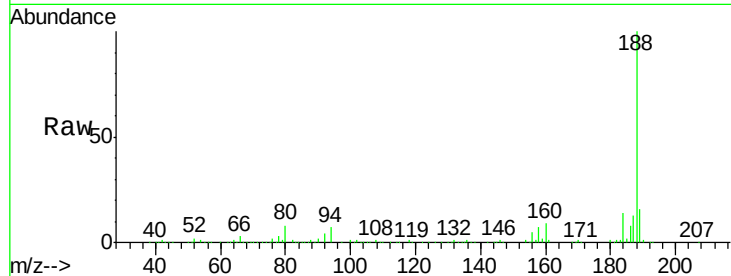
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.15 min Scan# 2359  
Delta R.T. -0.08 min  
Lab File: BG034044.D  
Acq: 27 Apr 2018 18:15

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-042518-C

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 474366 |       |       |
| 94      | 7.1   | 6.9    | 10.3  |       |
| 80      | 8.4   | 7.7    | 11.5  |       |

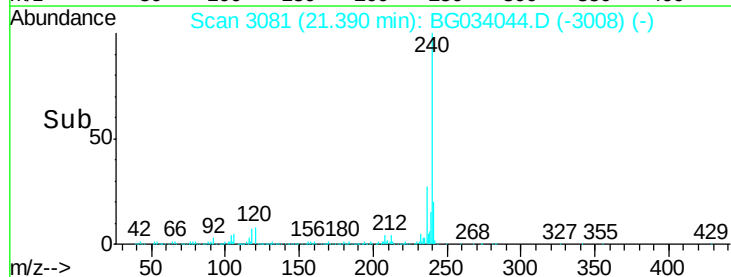
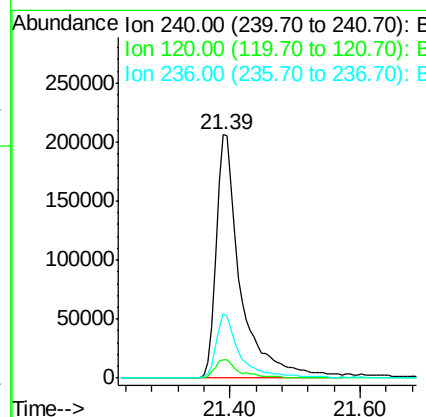
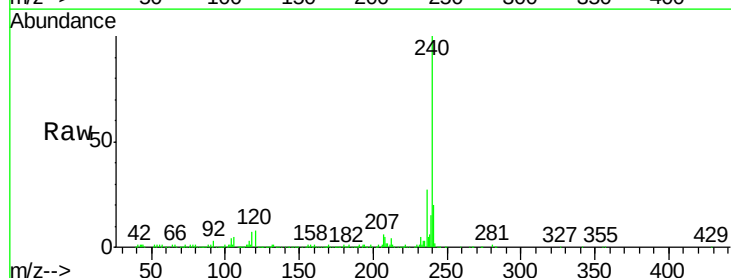
Manual Integrations  
APPROVED

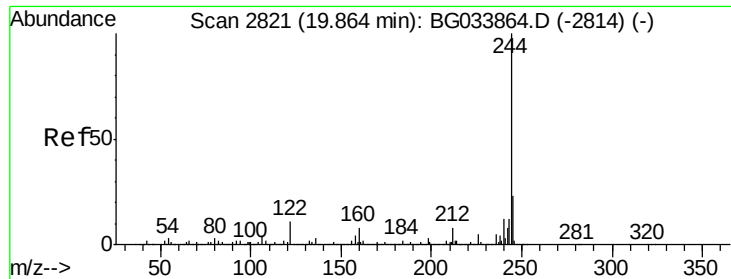
Sohil  
4/30/2018 7:02:38 PM



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.39 min Scan# 3081  
Delta R.T. -0.10 min  
Lab File: BG034044.D  
Acq: 27 Apr 2018 18:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 535849 |       |       |
| 120     | 7.6   | 6.8    | 10.2  |       |
| 236     | 26.7  | 20.9   | 31.3  |       |





#78

Terphenyl-d14

Concen: 103.994 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA\_G

ClientSampleId :

HR-05-042518-C

Tot Ion:244 Resp: 2480406

Ion Ratio Lower Upper

244 100

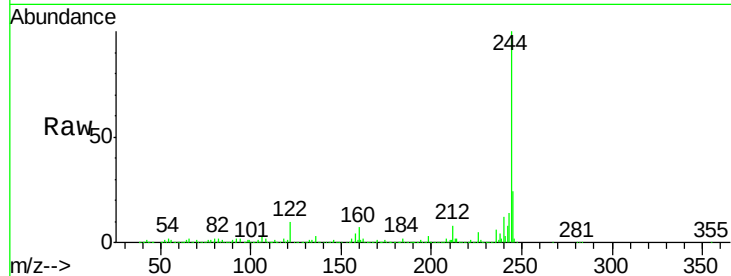
212 8.3 5.8 8.8

122 9.7 7.0 10.4

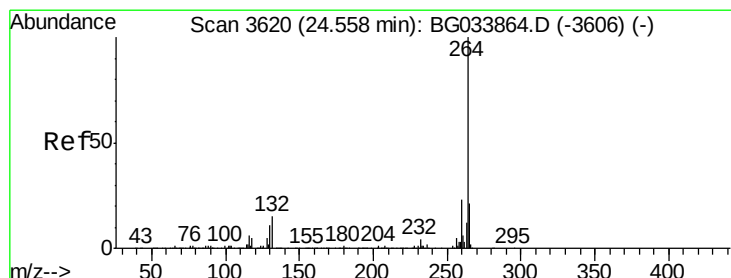
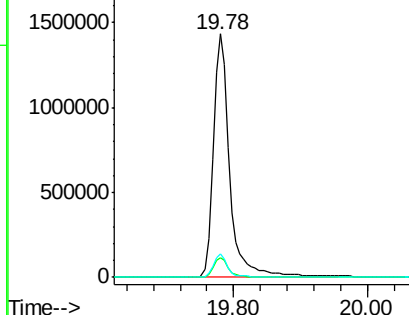
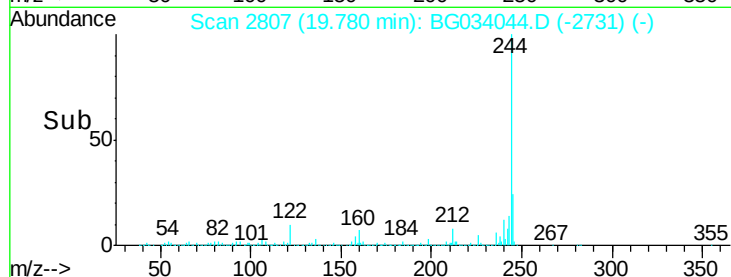
Manual Integrations  
APPROVED

Sohil

4/30/2018 7:02:38 PM



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: 24.39 min Scan# 3591

Delta R.T. -0.17 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

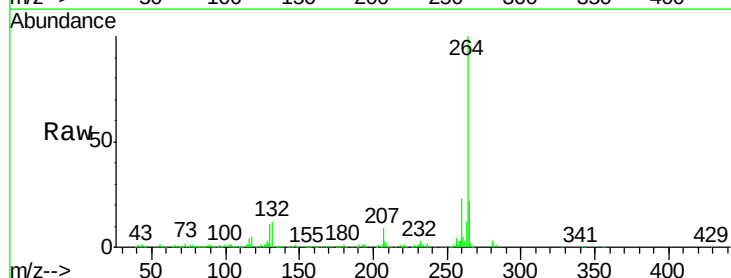
Tgt Ion:264 Resp: 510199

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 21.8 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

