

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102317\  
 Data File : BG029415.D  
 Acq On : 24 Oct 2017 1:30  
 Operator : SJ/JU  
 Sample : I6069-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-102017

Quant Time: Oct 24 05:55:41 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 59923    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 261395   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 176066   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 486233   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 545462   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.09 | 264  | 531788   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 383527   | 106.92 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 454993   | 90.37  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 322061   | 78.30  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 262353   | 115.41 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 890501   | 74.18  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 1688582  | 70.42  | ng    | 0.00     |

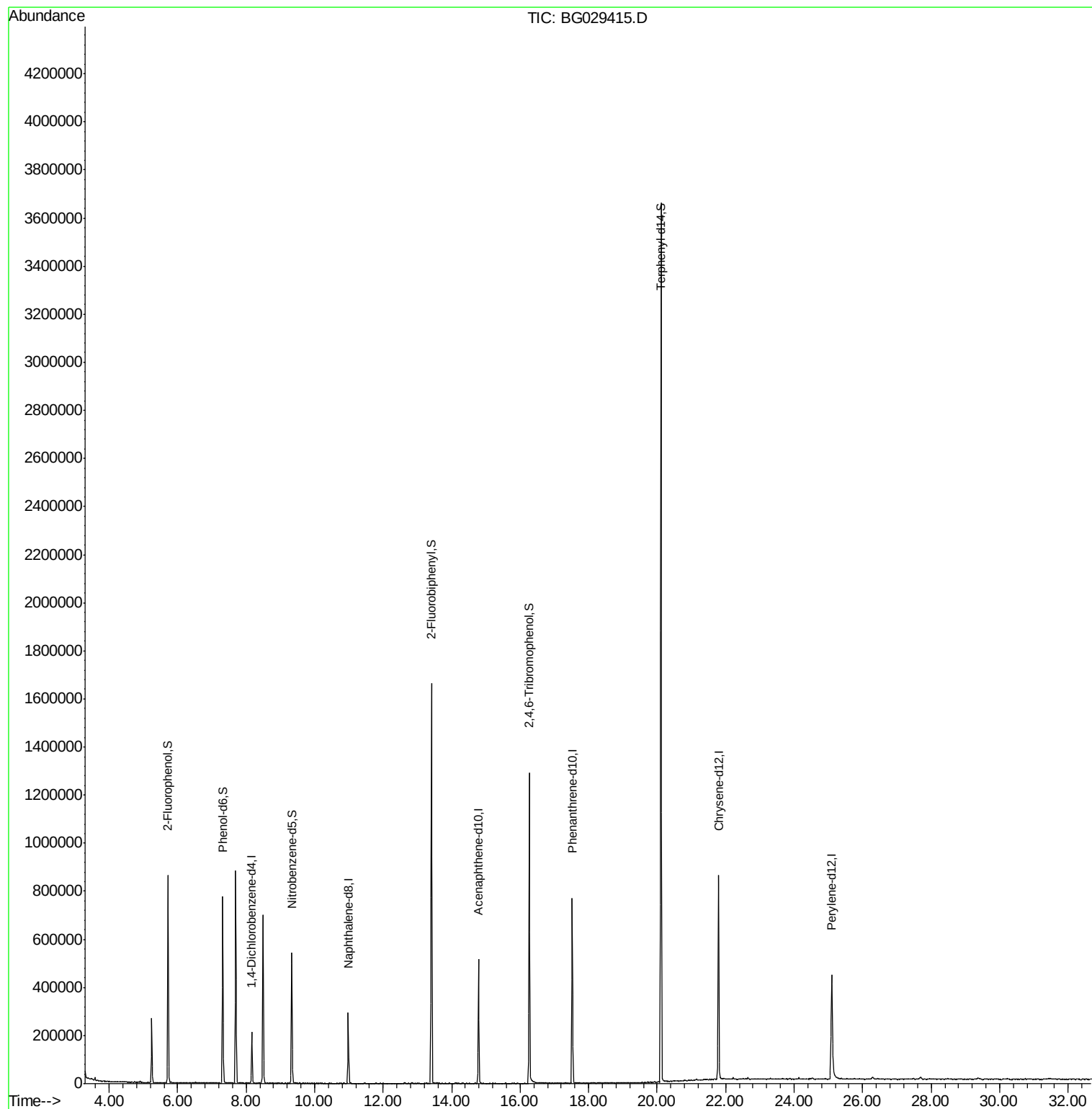
Target Compounds Qvalue

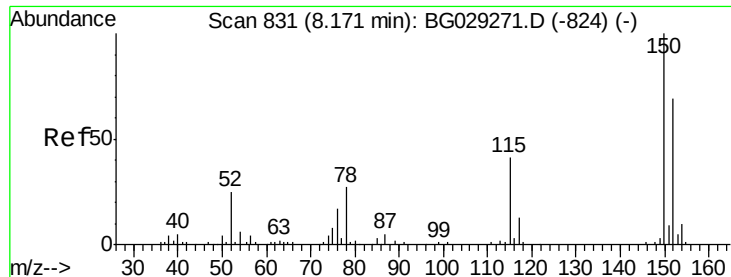
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG029415.D

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BNA\_G

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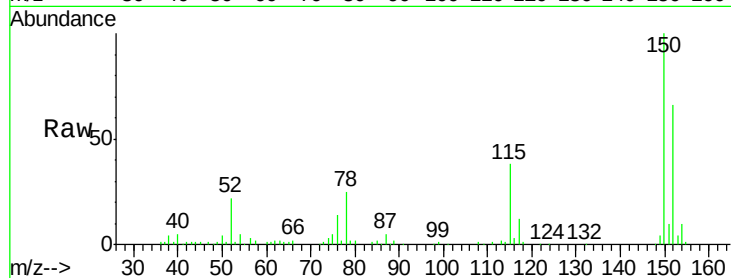
Tot Ion:152 Resp: 59923

Ion Ratio Lower Upper

152 100

150 151.5 126.6 189.8

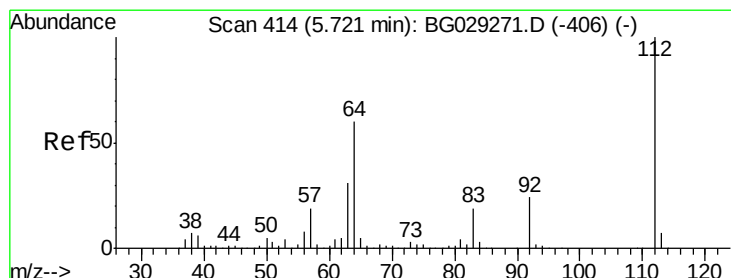
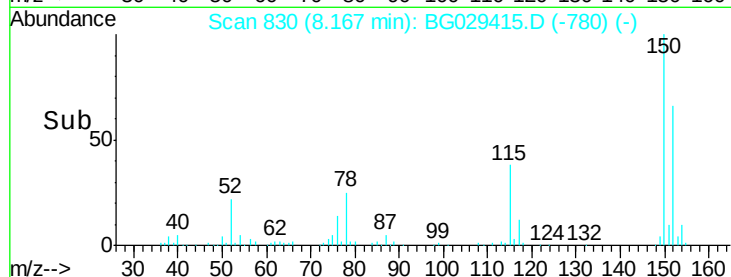
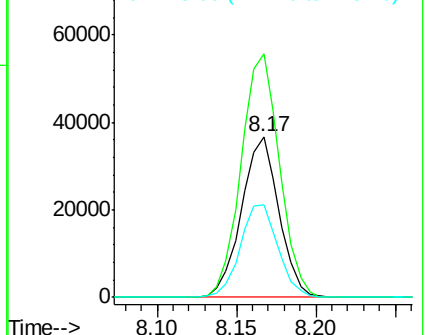
115 57.5 53.0 79.4



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: 106.92 ng

RT: 5.72 min Scan# 413

Delta R.T. -0.00 min

Lab File: BG029415.D

Acq: 24 Oct 2017 1:30

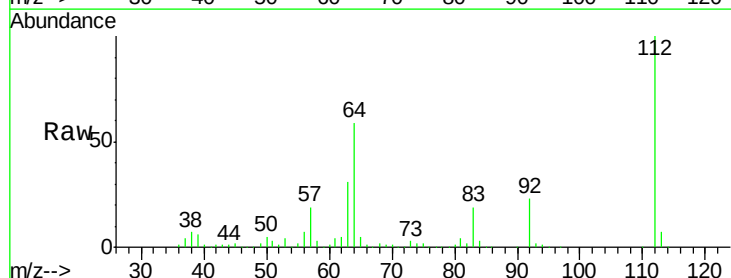
Tgt Ion:112 Resp: 383527

Ion Ratio Lower Upper

112 100

64 58.7 56.3 84.5

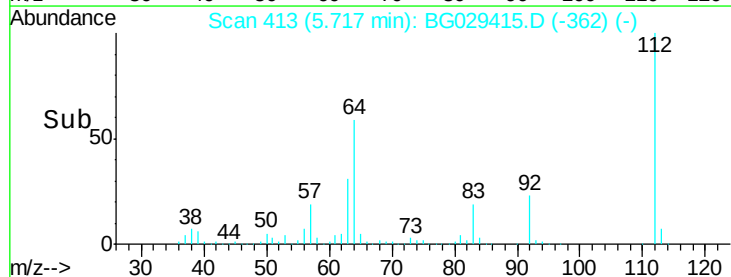
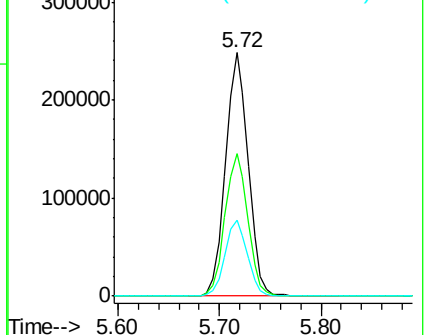
63 31.1 30.1 45.1

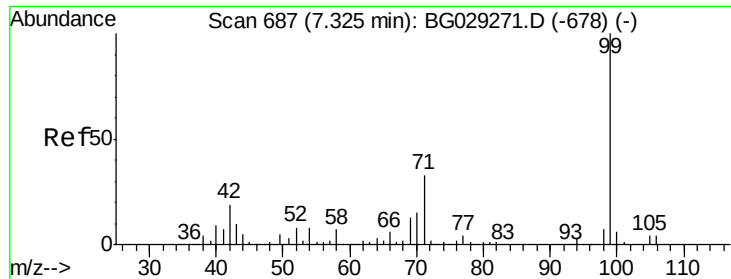


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 90.37 ng

RT: 7.31 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG029415.D

Acq: 24 Oct 2017 1:30

Instrument :

BNA\_G

ClientSampleId :

OR-03-102017

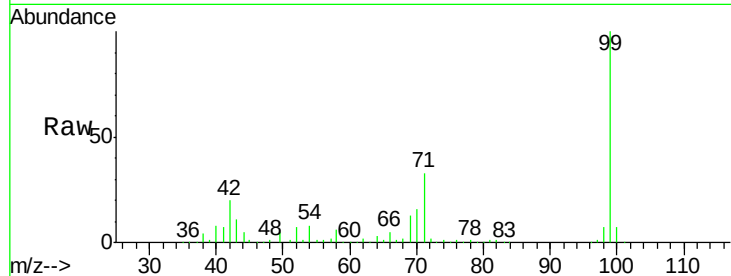
Tot Ion: 99 Resp: 454993

Ion Ratio Lower Upper

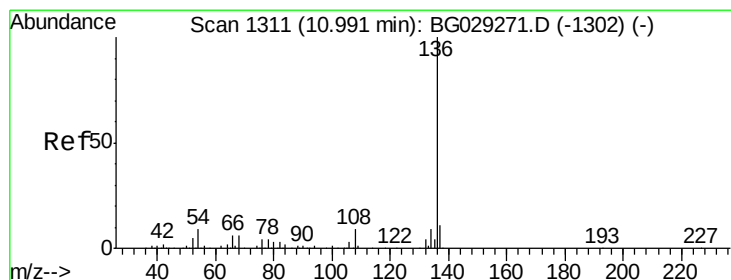
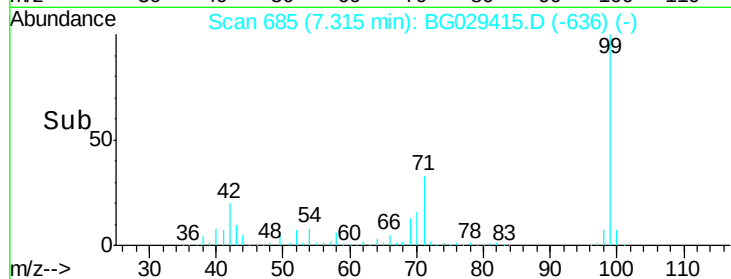
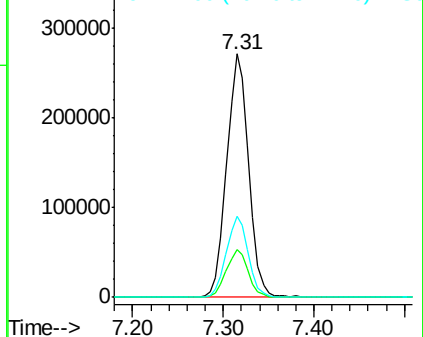
99 100

42 19.8 14.1 21.1

71 33.1 26.1 39.1



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: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG029415.D

Acq: 24 Oct 2017 1:30

Tgt Ion: 136 Resp: 261395

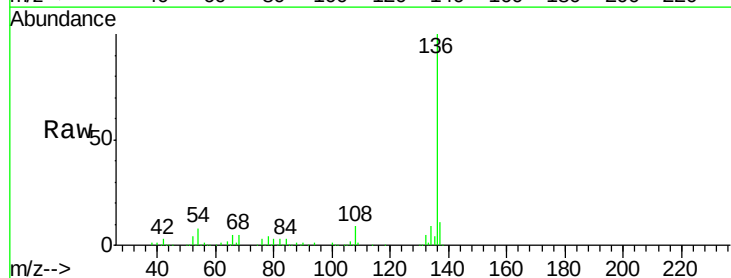
Ion Ratio Lower Upper

136 100

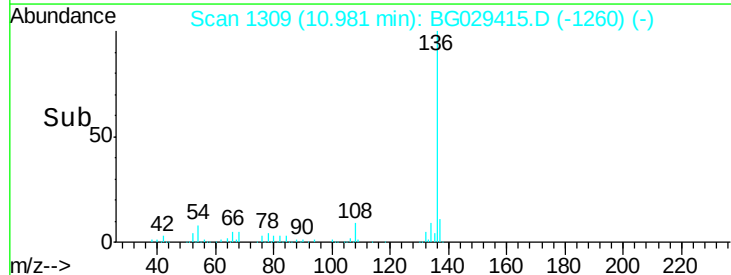
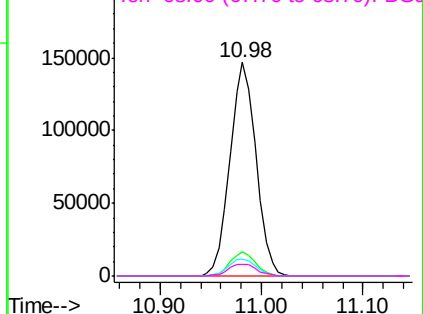
137 11.2 9.2 13.8

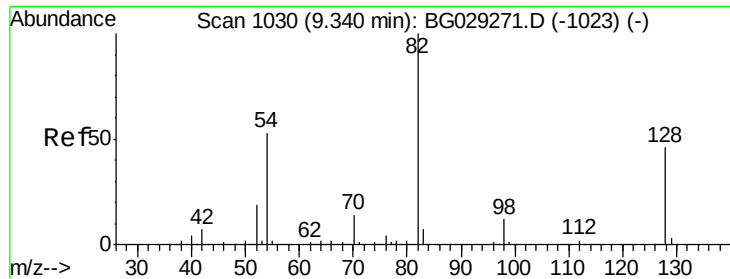
54 8.0 10.3 15.5#

68 5.2 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

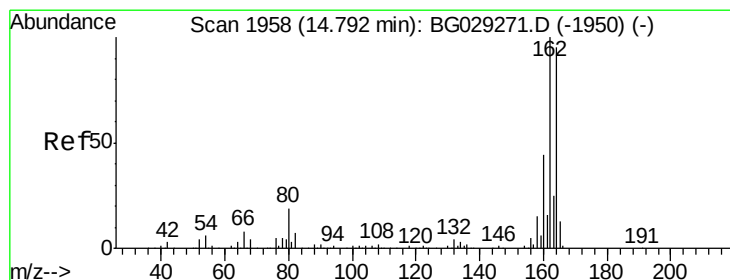
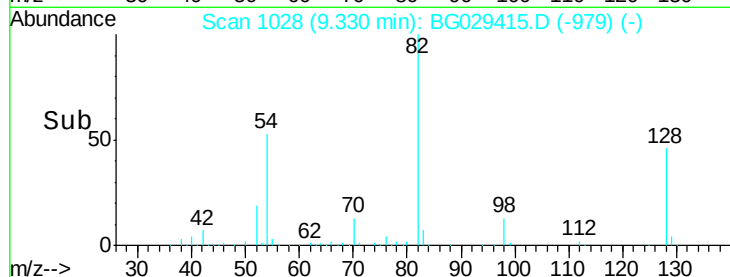
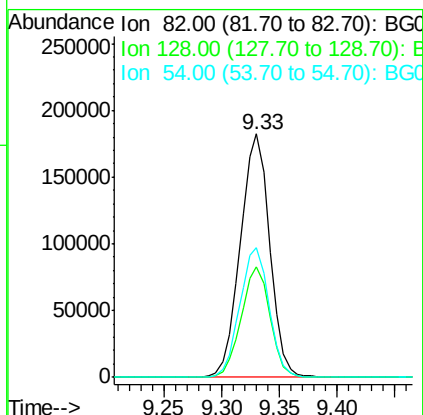
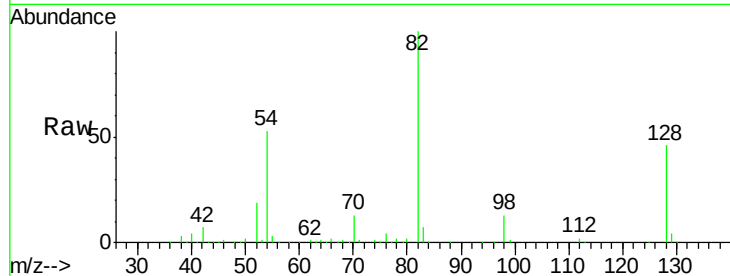




#23  
 Nitrobenzene-d5  
 Concen: 78.30 ng  
 RT: 9.33 min Scan# 1028  
 Delta R.T. -0.01 min  
 Lab File: BG029415.D  
 Acq: 24 Oct 2017 1:30

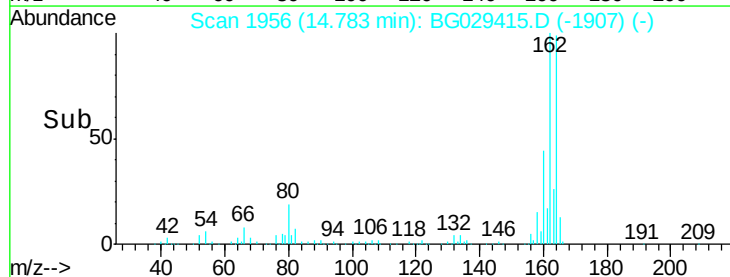
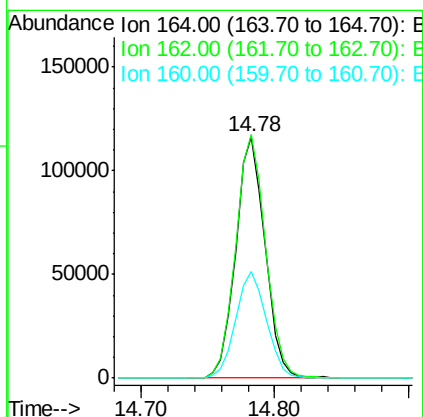
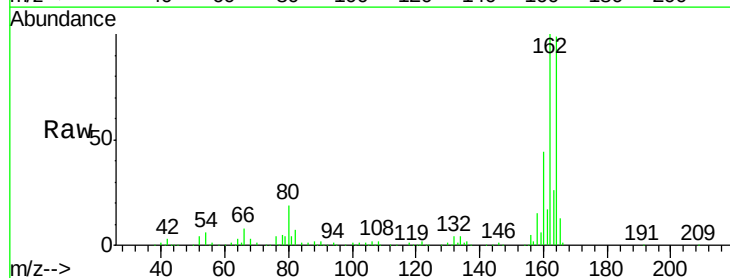
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-102017

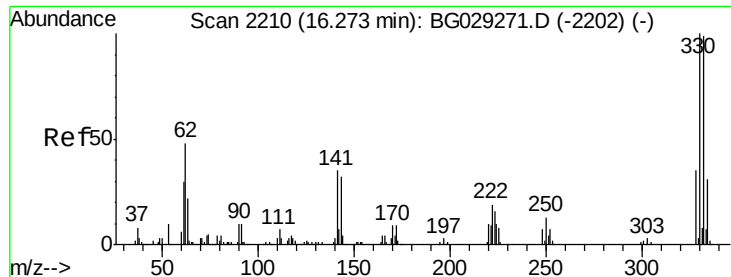
| Tot Ion   | 82   | Resp  | 322061 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.6 | 29.7  | 44.5#  |
| 54        | 53.5 | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.78 min Scan# 1956  
 Delta R.T. -0.01 min  
 Lab File: BG029415.D  
 Acq: 24 Oct 2017 1:30

| Tgt Ion                                              | 164   | Resp  | 176066 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 100.8 | 78.8  | 118.2  |
| 160                                                  | 44.3  | 35.4  | 53.0   |

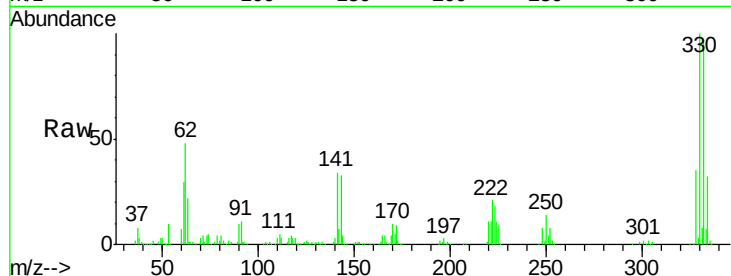




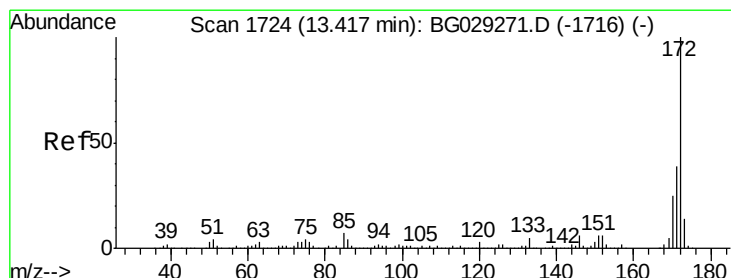
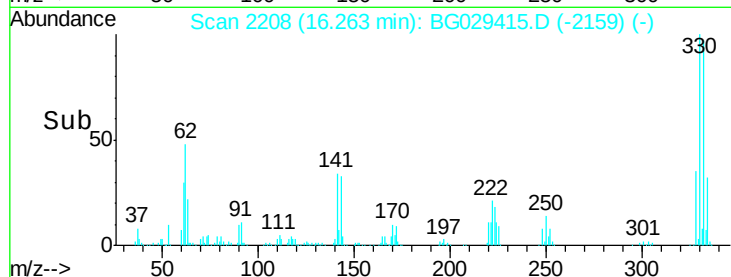
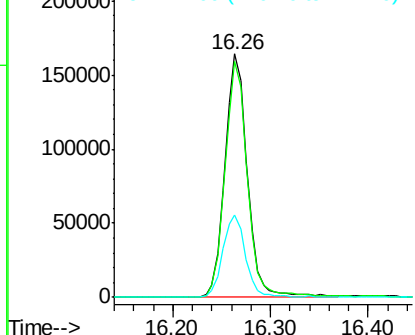
#41  
 2,4,6-Tribromophenol  
 Concen: 115.41 ng  
 RT: 16.26 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BG029415.D  
 Acq: 24 Oct 2017 1:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-102017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 34.0  | 25.2  | 37.8  |

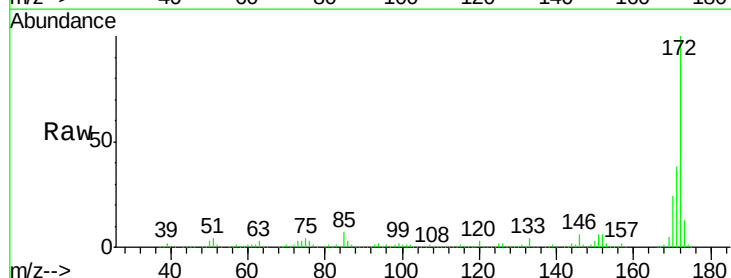


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

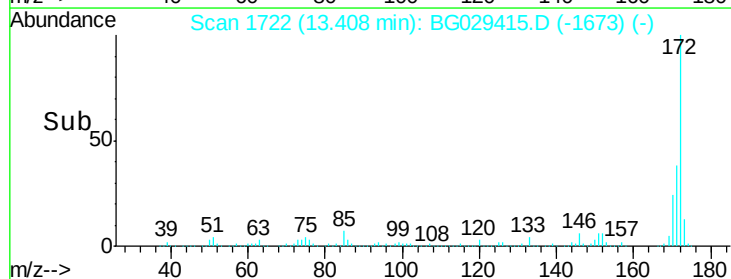
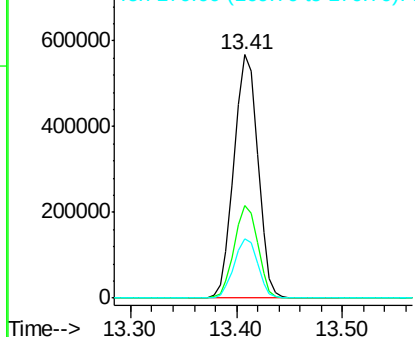


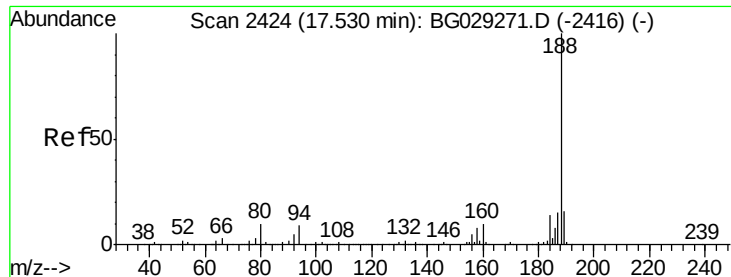
#44  
 2-Fluorobiphenyl  
 Concen: 74.18 ng  
 RT: 13.41 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG029415.D  
 Acq: 24 Oct 2017 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.2  | 30.0  | 45.0  |
| 170     | 24.3  | 19.5  | 29.3  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

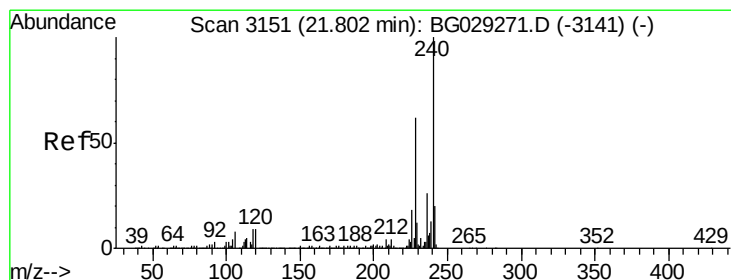
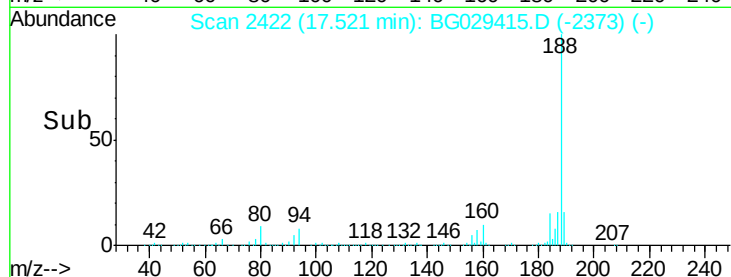
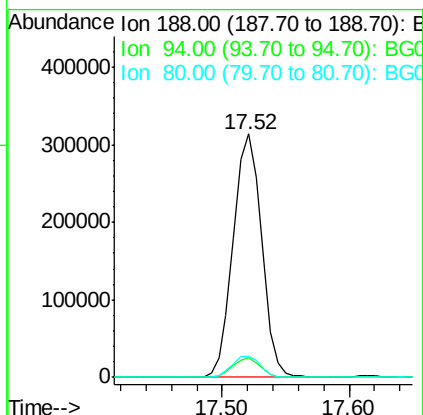
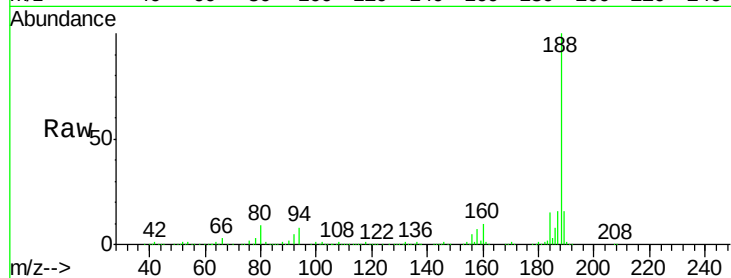




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.52 min Scan# 2422  
Delta R.T. -0.01 min  
Lab File: BG029415.D  
Acq: 24 Oct 2017 1:30

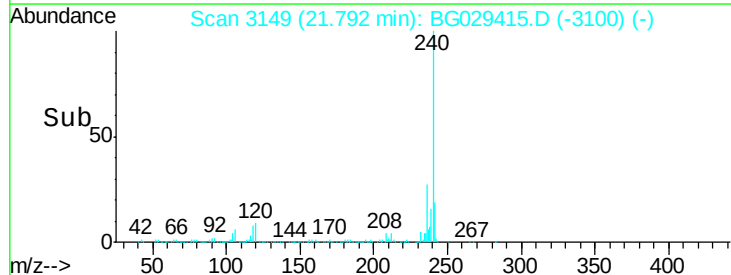
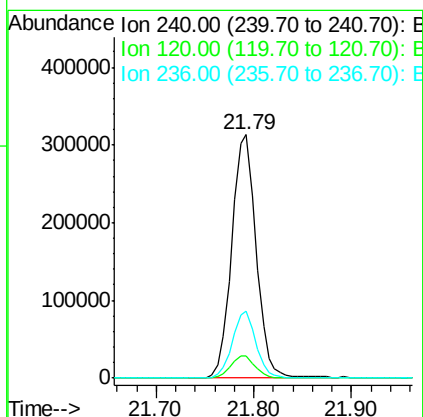
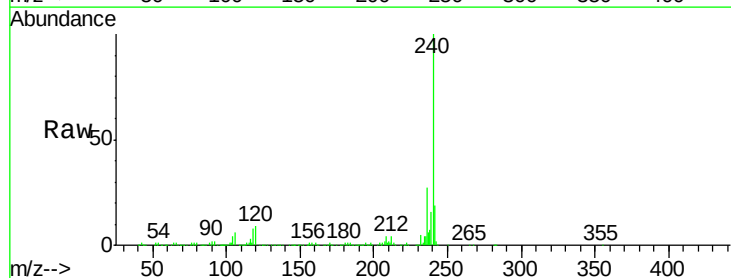
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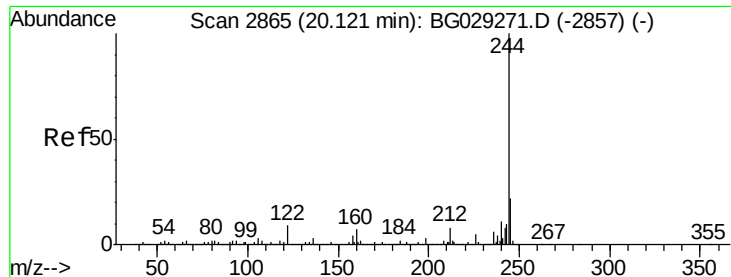
Tot Ion:188 Resp: 486233  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.9 10.3  
80 8.8 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.79 min Scan# 3149  
Delta R.T. -0.01 min  
Lab File: BG029415.D  
Acq: 24 Oct 2017 1:30

Tgt Ion:240 Resp: 545462  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.8 10.2  
236 27.4 20.9 31.3



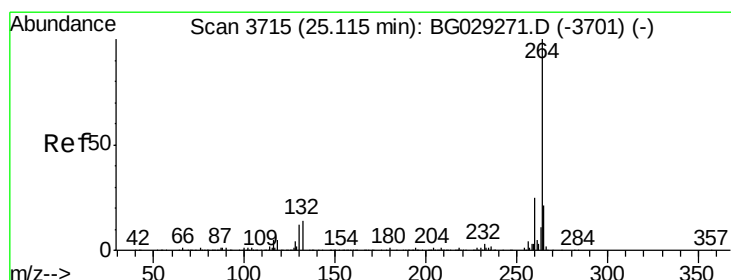
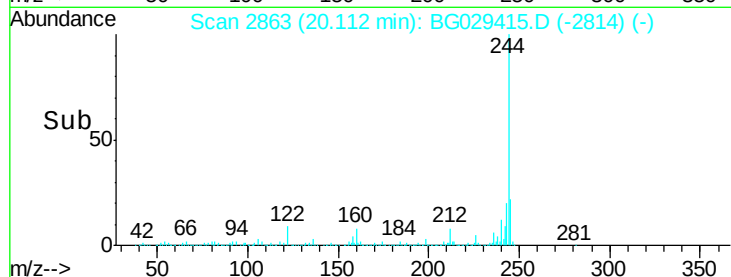
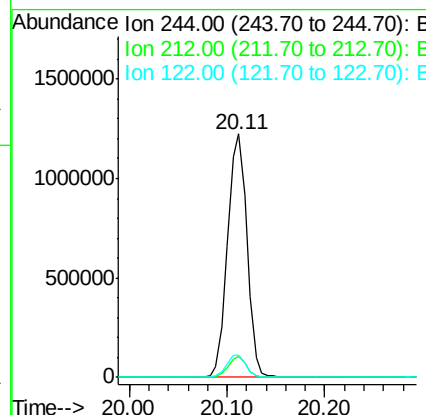
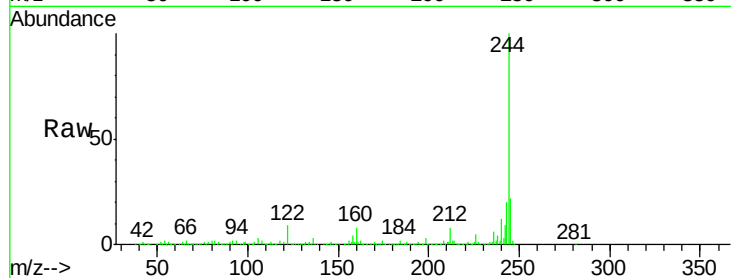


#78  
 Terphenyl-d14  
 Concen: 70.42 ng  
 RT: 20.11 min Scan# 2863  
 Delta R.T. -0.01 min  
 Lab File: BG029415.D  
 Acq: 24 Oct 2017 1:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-102017

Tot Ion:244 Resp: 1688582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 5.8   | 8.8   |
| 122 | 9.2   | 7.0   | 10.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.09 min Scan# 3711  
 Delta R.T. -0.02 min  
 Lab File: BG029415.D  
 Acq: 24 Oct 2017 1:30

Tgt Ion:264 Resp: 531788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 17.4  | 26.0  |
| 265 | 20.6  | 17.7  | 26.5  |

