

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG032618\  
 Data File : BG033355.D  
 Acq On : 27 Mar 2018 7:09  
 Operator : SJ/JU  
 Sample : J1760-08  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-04-032318-B

Quant Time: Mar 27 08:49:15 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 15:11:46 2018  
 Response via : Initial Calibration

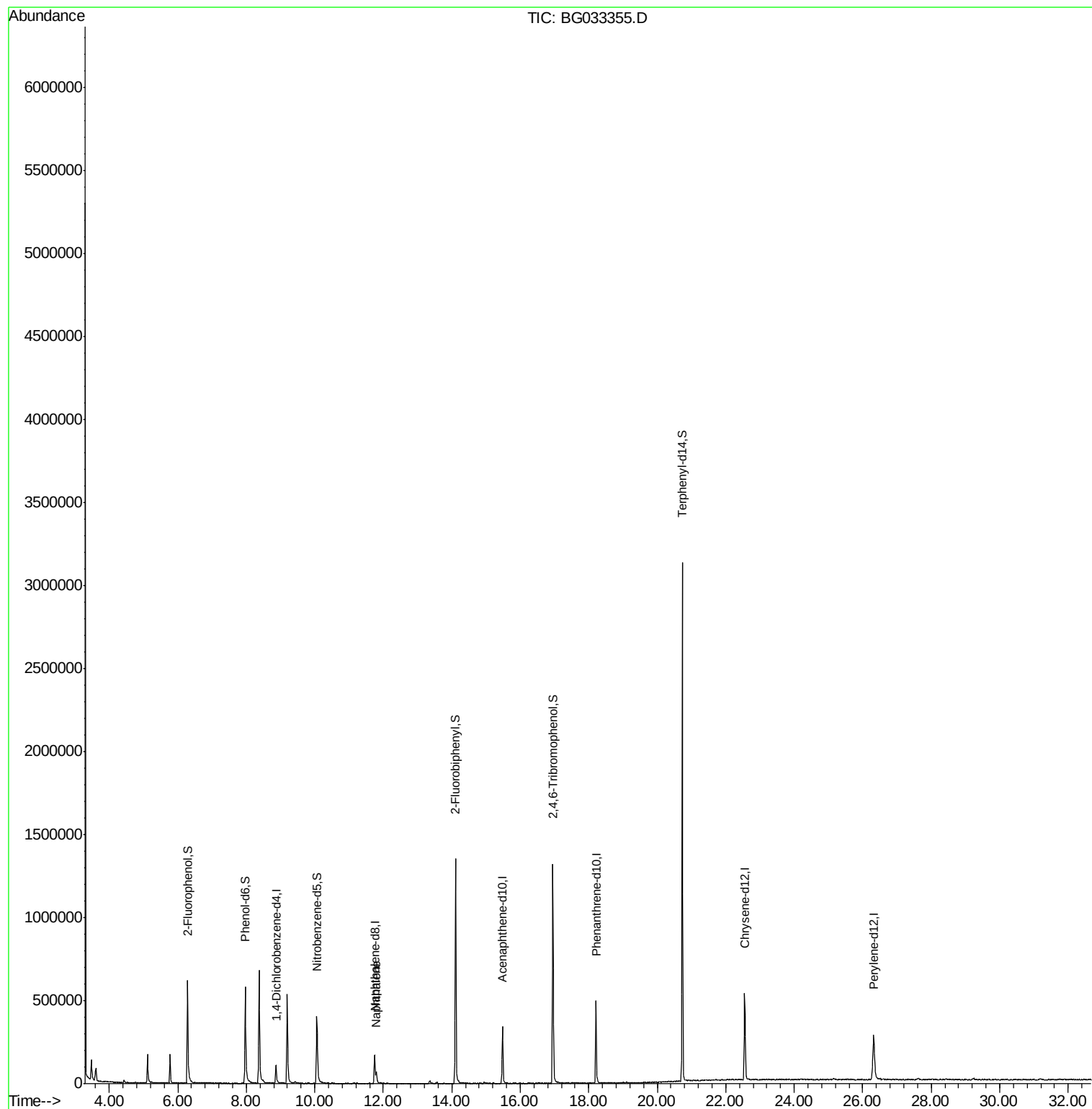
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 43995    | 20.00  | ng    | -0.03          |
| 21) Naphthalene-d8          | 11.75 | 136  | 170265   | 20.00  | ng    | -0.03          |
| 38) Acenaphthene-d10        | 15.49 | 164  | 136316   | 20.00  | ng    | -0.03          |
| 63) Phenanthrene-d10        | 18.21 | 188  | 361405   | 20.00  | ng    | -0.03          |
| 75) Chrysene-d12            | 22.55 | 240  | 382080   | 20.00  | ng    | -0.04          |
| 86) Perylene-d12            | 26.32 | 264  | 377889   | 20.00  | ng    | -0.07          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 6.28  | 112  | 305749   | 130.31 | ng    | -0.03          |
| 7) Phenol-d6                | 7.97  | 99   | 410408   | 101.80 | ng    | -0.03          |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 329292   | 88.86  | ng    | -0.03          |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 269566   | 132.22 | ng    | -0.03          |
| 44) 2-Fluorobiphenyl        | 14.11 | 172  | 797836   | 84.49  | ng    | -0.03          |
| 78) Terphenyl-d14           | 20.73 | 244  | 1540226  | 86.21  | ng    | -0.03          |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 11.80 | 128  | 60657    | 6.875  | ng    | Qvalue<br># 92 |

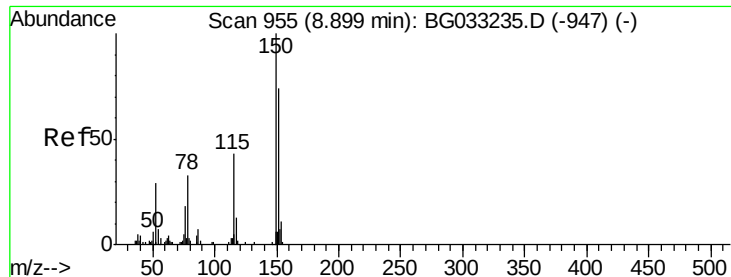
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-04-032318-B

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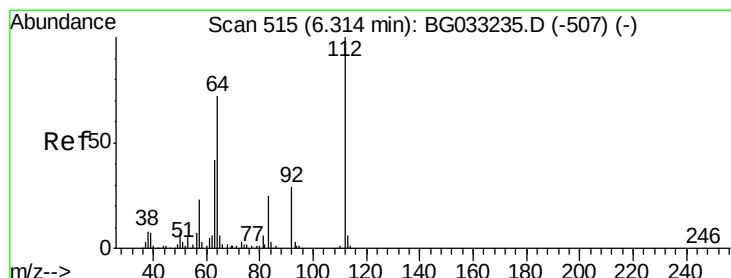
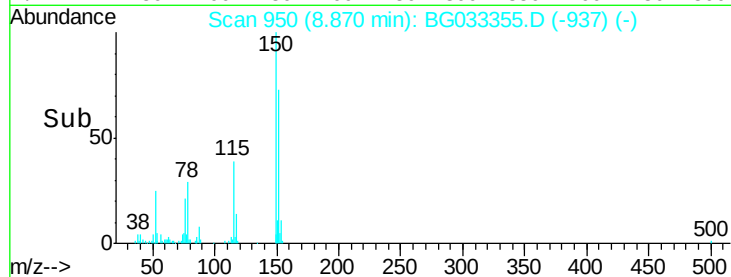
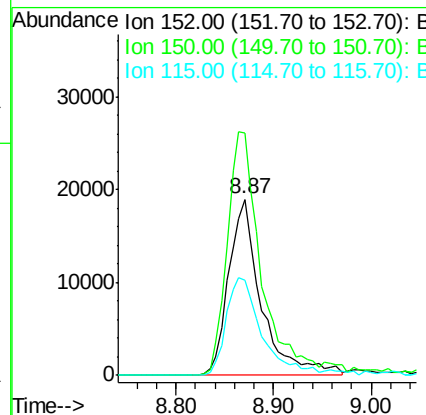
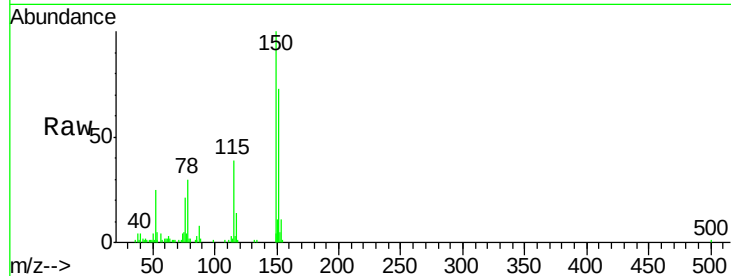


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 950  
Delta R.T. -0.03 min  
Lab File: BG033355.D  
Acq: 27 Mar 2018 7:09

Instrument :  
BNA\_G  
ClientSampleId :  
SU-04-032318-B

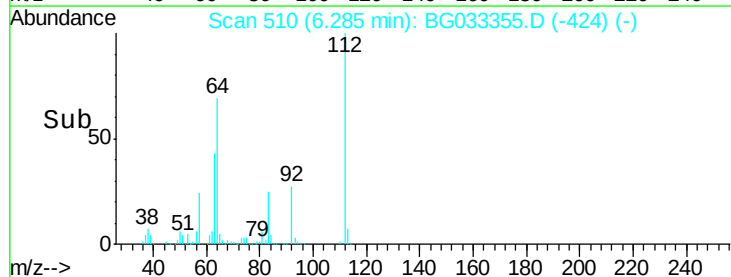
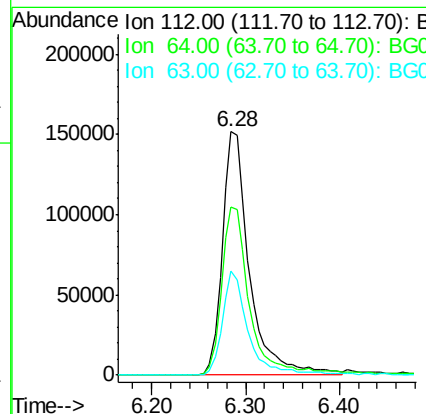
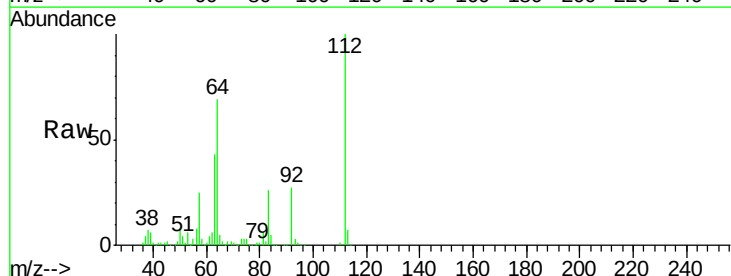
Tgt Ion:152 Resp: 43995  
Ion Ratio Lower Upper  
152 100  
150 137.4 126.6 189.8  
115 53.7 53.0 79.4

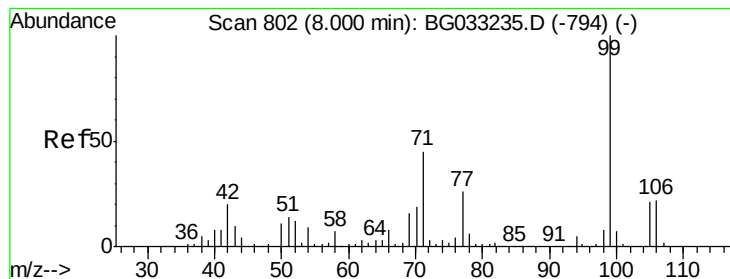


#5

2-Fluorophenol  
Concen: 130.314 ng  
RT: 6.28 min Scan# 510  
Delta R.T. -0.03 min  
Lab File: BG033355.D  
Acq: 27 Mar 2018 7:09

Tgt Ion:112 Resp: 305749  
Ion Ratio Lower Upper  
112 100  
64 68.9 56.3 84.5  
63 43.0 30.1 45.1





#7

Phenol-d6

Concen: 101.804 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA\_G

ClientSampleId :

SU-04-032318-B

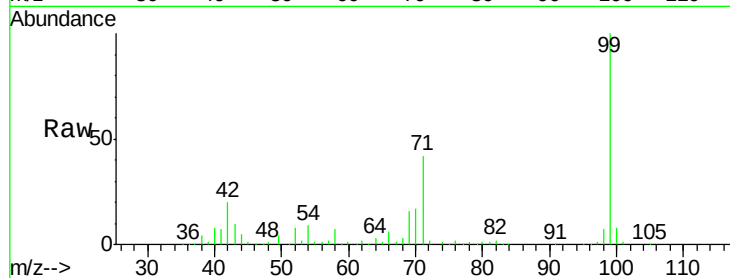
Tgt Ion: 99 Resp: 410408

Ion Ratio Lower Upper

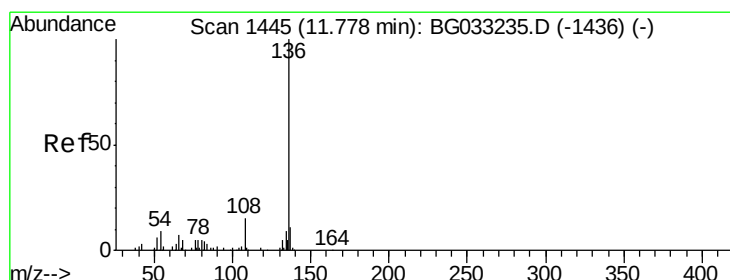
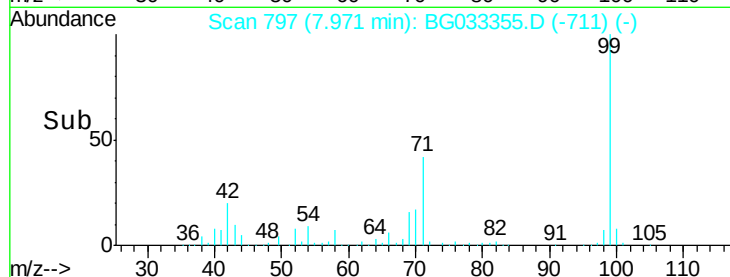
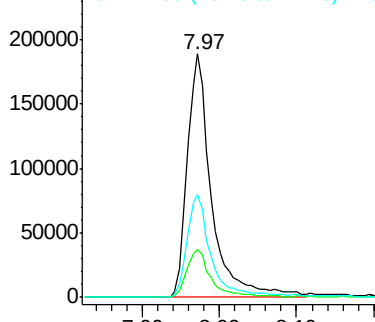
99 100

42 19.8 14.1 21.1

71 42.0 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: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Tgt Ion: 136 Resp: 170265

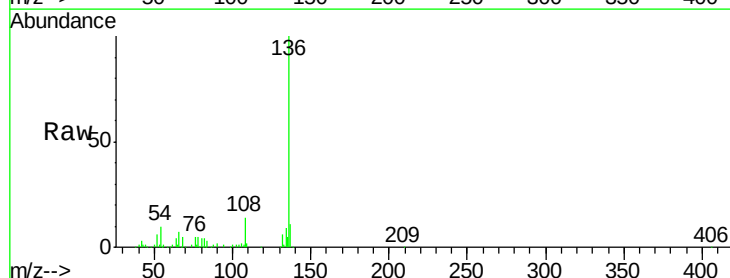
Ion Ratio Lower Upper

136 100

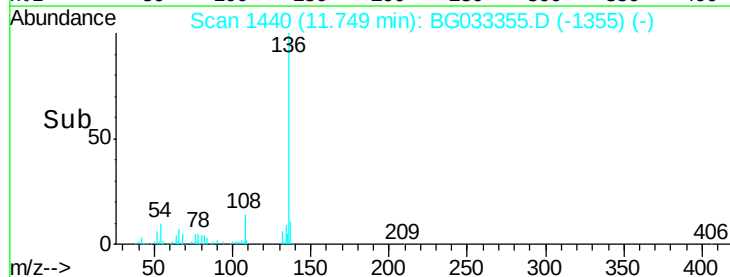
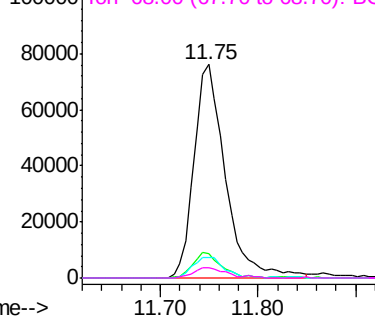
137 11.1 9.2 13.8

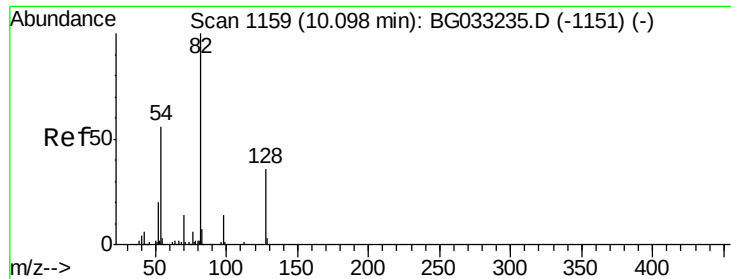
54 10.3 10.3 15.5#

68 5.0 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

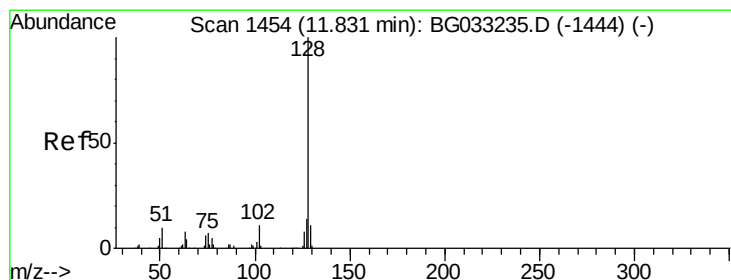
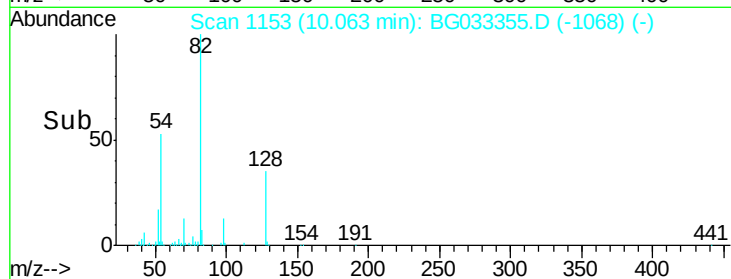
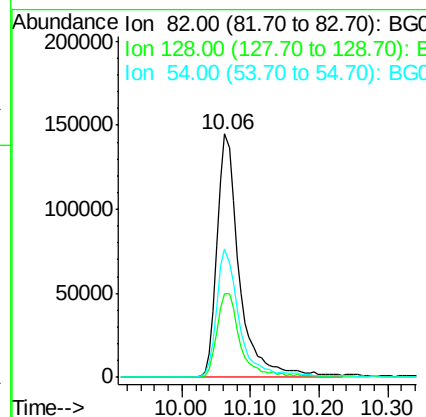
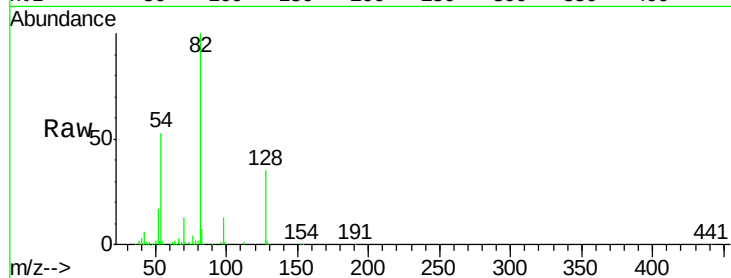




#23  
 Nitrobenzene-d5  
 Concen: 88.856 ng  
 RT: 10.06 min Scan# 1153  
 Delta R.T. -0.03 min  
 Lab File: BG033355.D  
 Acq: 27 Mar 2018 7:09

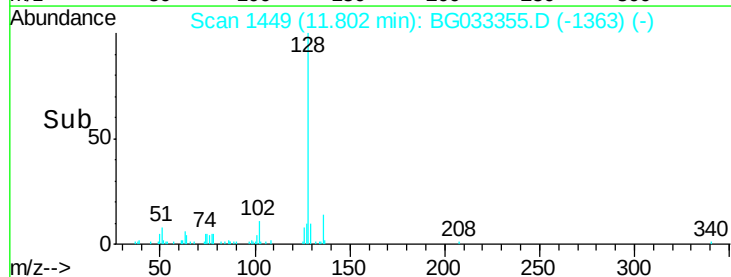
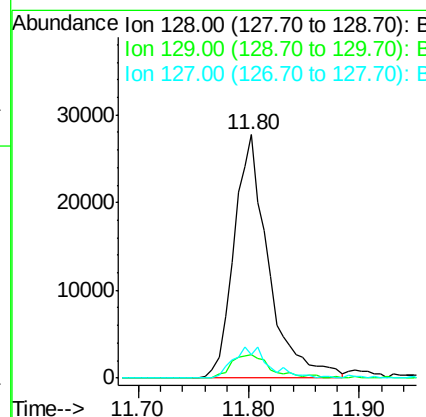
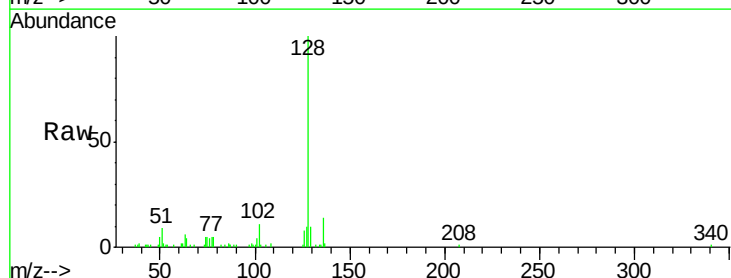
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-04-032318-B

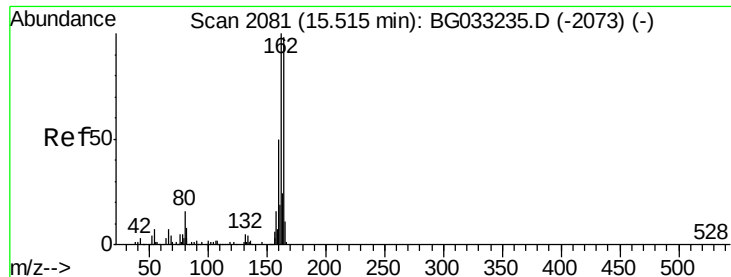
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.6  | 29.7  | 44.5  |
| 54      | 52.8  | 43.1  | 64.7  |



#31  
 Naphthalene  
 Concen: 6.875 ng  
 RT: 11.80 min Scan# 1449  
 Delta R.T. -0.03 min  
 Lab File: BG033355.D  
 Acq: 27 Mar 2018 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 9.5   | 8.6   | 12.8  |
| 127     | 9.7   | 11.6  | 17.4# |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA\_G

ClientSampleId :

SU-04-032318-B

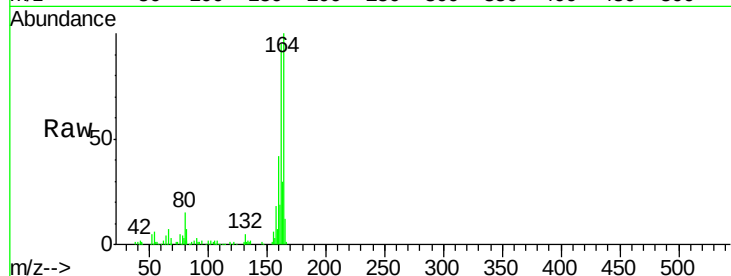
Tgt Ion:164 Resp: 136316

Ion Ratio Lower Upper

164 100

162 94.7 78.8 118.2

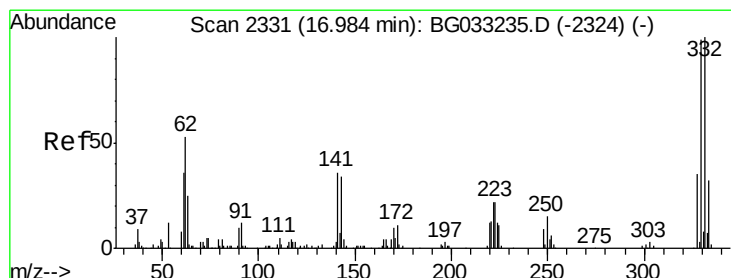
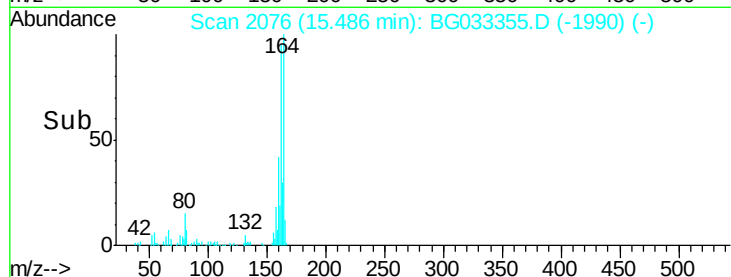
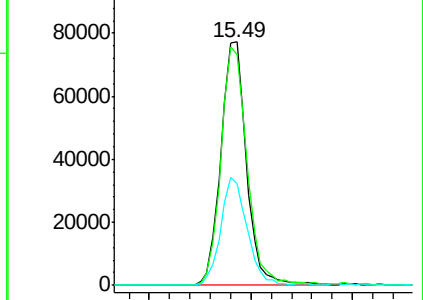
160 41.8 35.4 53.0



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: 132.220 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

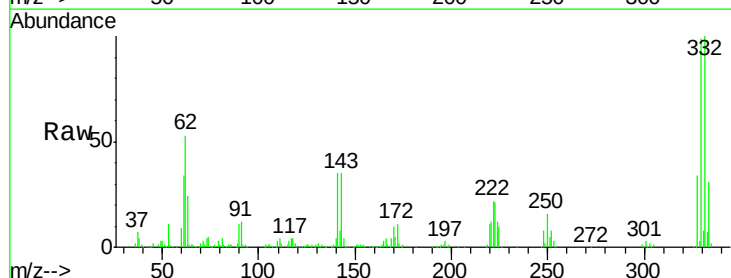
Tgt Ion:330 Resp: 269566

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

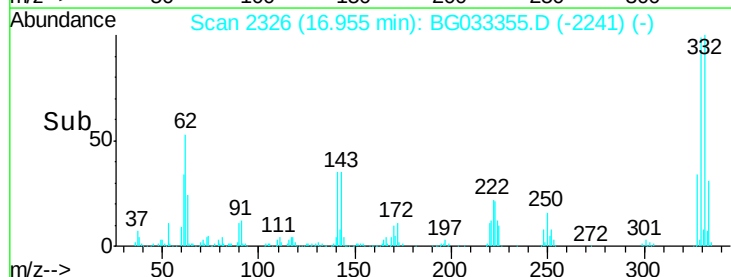
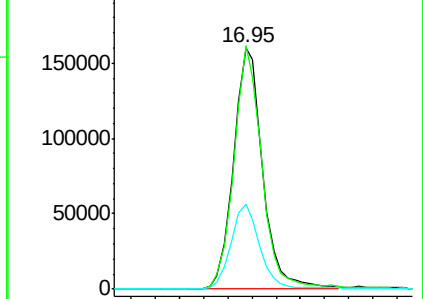
141 35.4 25.2 37.8

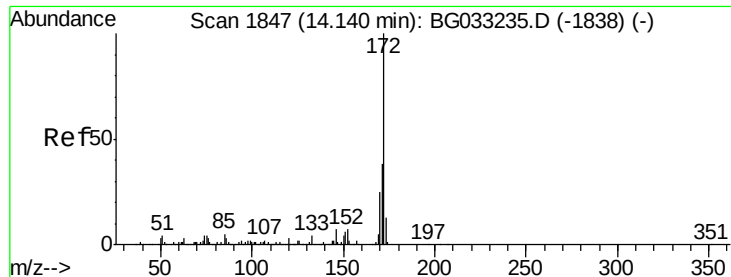


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

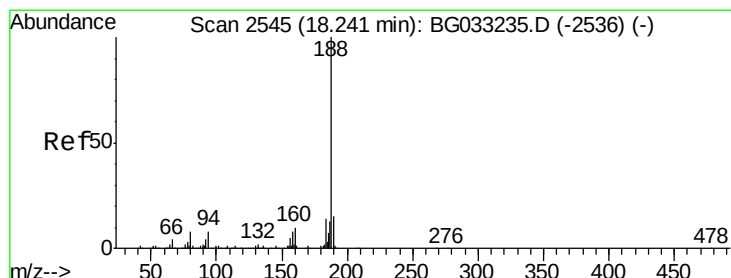
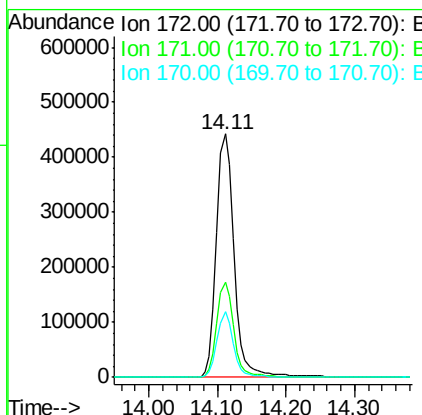
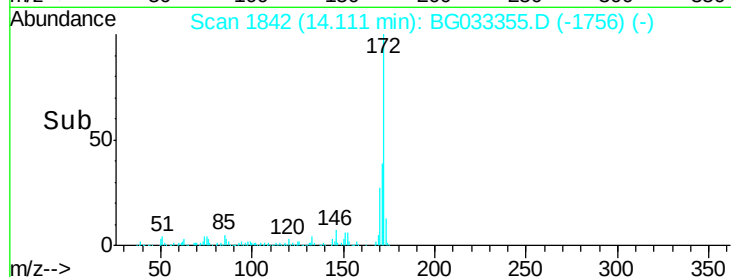
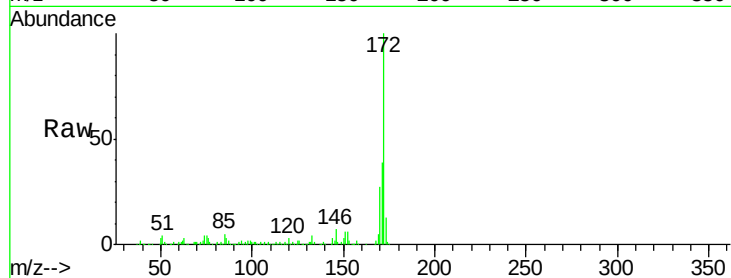




#44  
 2-Fluorobiphenyl  
 Concen: 84.494 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. -0.03 min  
 Lab File: BG033355.D  
 Acq: 27 Mar 2018 7:09

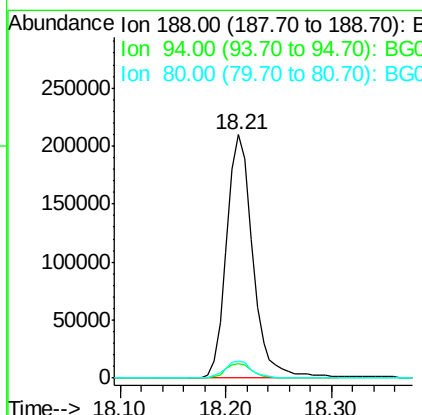
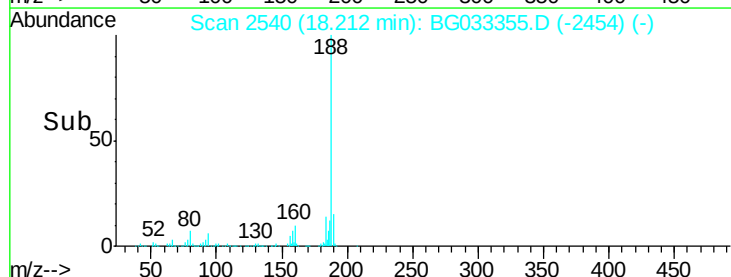
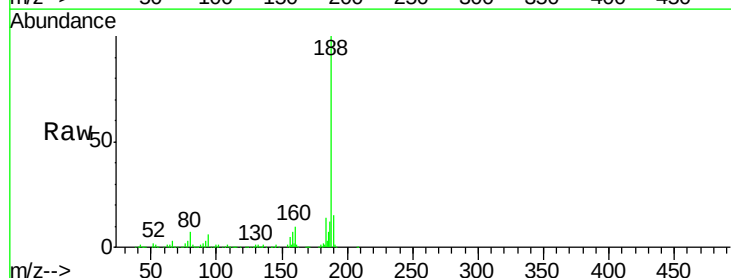
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-04-032318-B

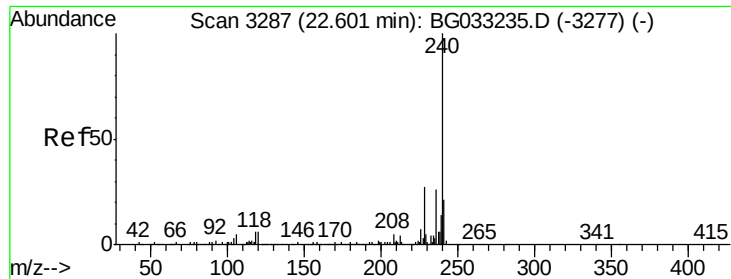
Tgt Ion:172 Resp: 797836  
 Ion Ratio Lower Upper  
 172 100  
 171 38.9 30.0 45.0  
 170 26.9 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2540  
 Delta R.T. -0.03 min  
 Lab File: BG033355.D  
 Acq: 27 Mar 2018 7:09

Tgt Ion:188 Resp: 361405  
 Ion Ratio Lower Upper  
 188 100  
 94 5.9 6.9 10.3#  
 80 7.0 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.04 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA\_G

ClientSampleId :

SU-04-032318-B

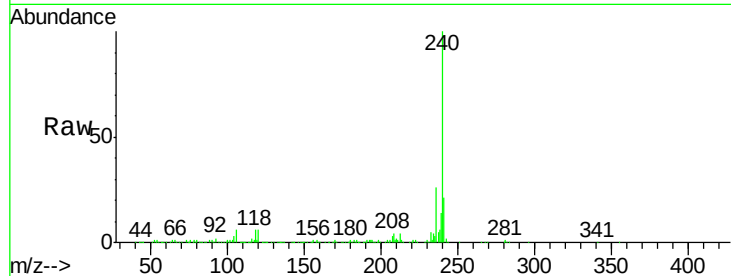
Tgt Ion:240 Resp: 382080

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

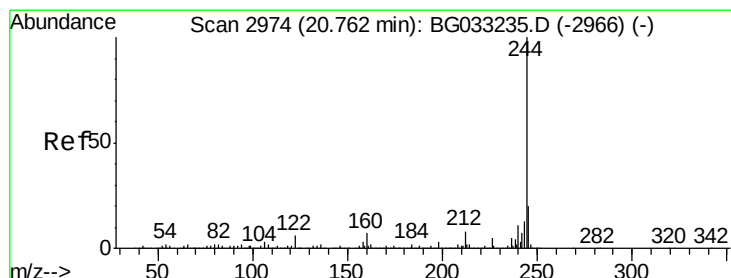
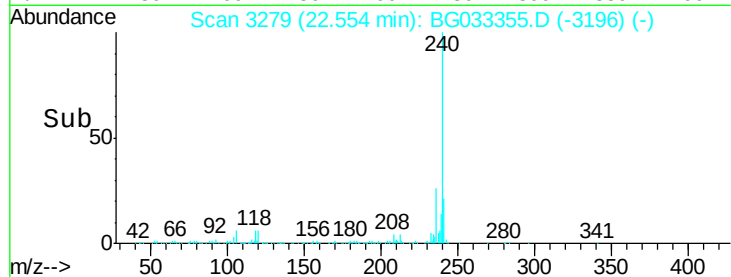
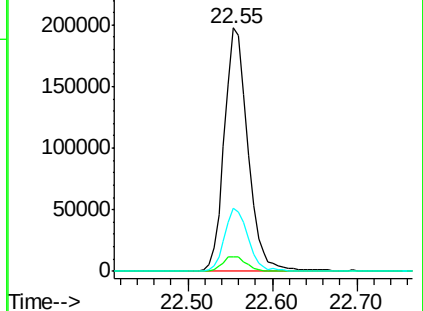
236 25.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 86.211 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

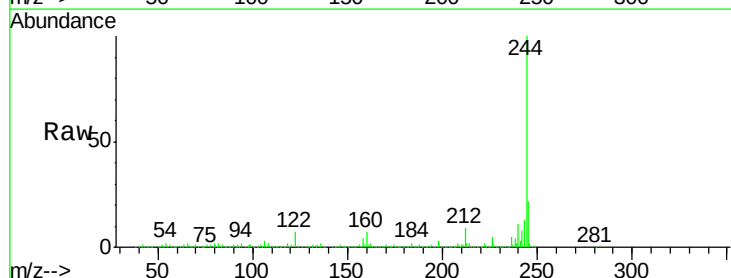
Tgt Ion:244 Resp: 1540226

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

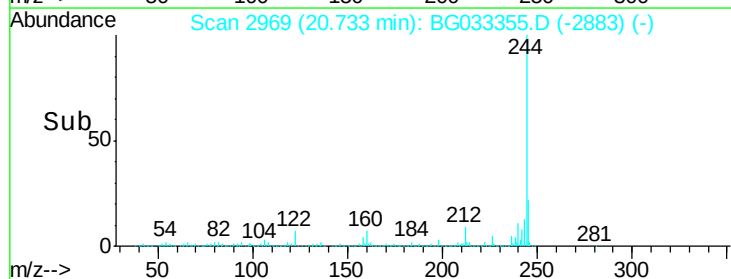
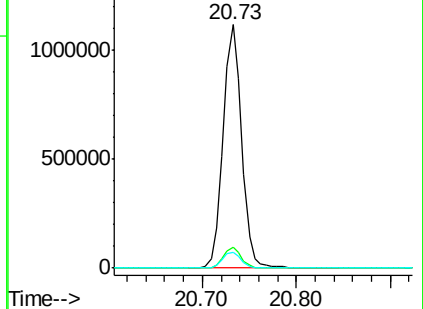
122 6.6 7.0 10.4#



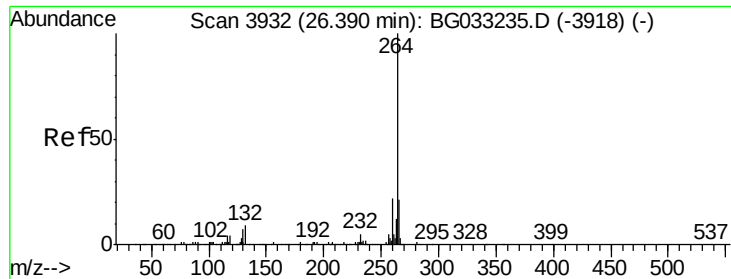
Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.32 min Scan# 3920  
Delta R.T. -0.07 min  
Lab File: BG033355.D  
Acq: 27 Mar 2018 7:09

Instrument :  
BNA\_G  
ClientSampleId :  
SU-04-032318-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 17.4  | 26.0  |
| 265     | 22.3  | 17.7  | 26.5  |

