

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG033018\  
 Data File : BG033470.D  
 Acq On : 31 Mar 2018 6:14  
 Operator : SJ/JU  
 Sample : J2142-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GB-RT-2334

Quant Time: Apr 02 01:58:28 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 18:34:58 2018  
 Response via : Initial Calibration

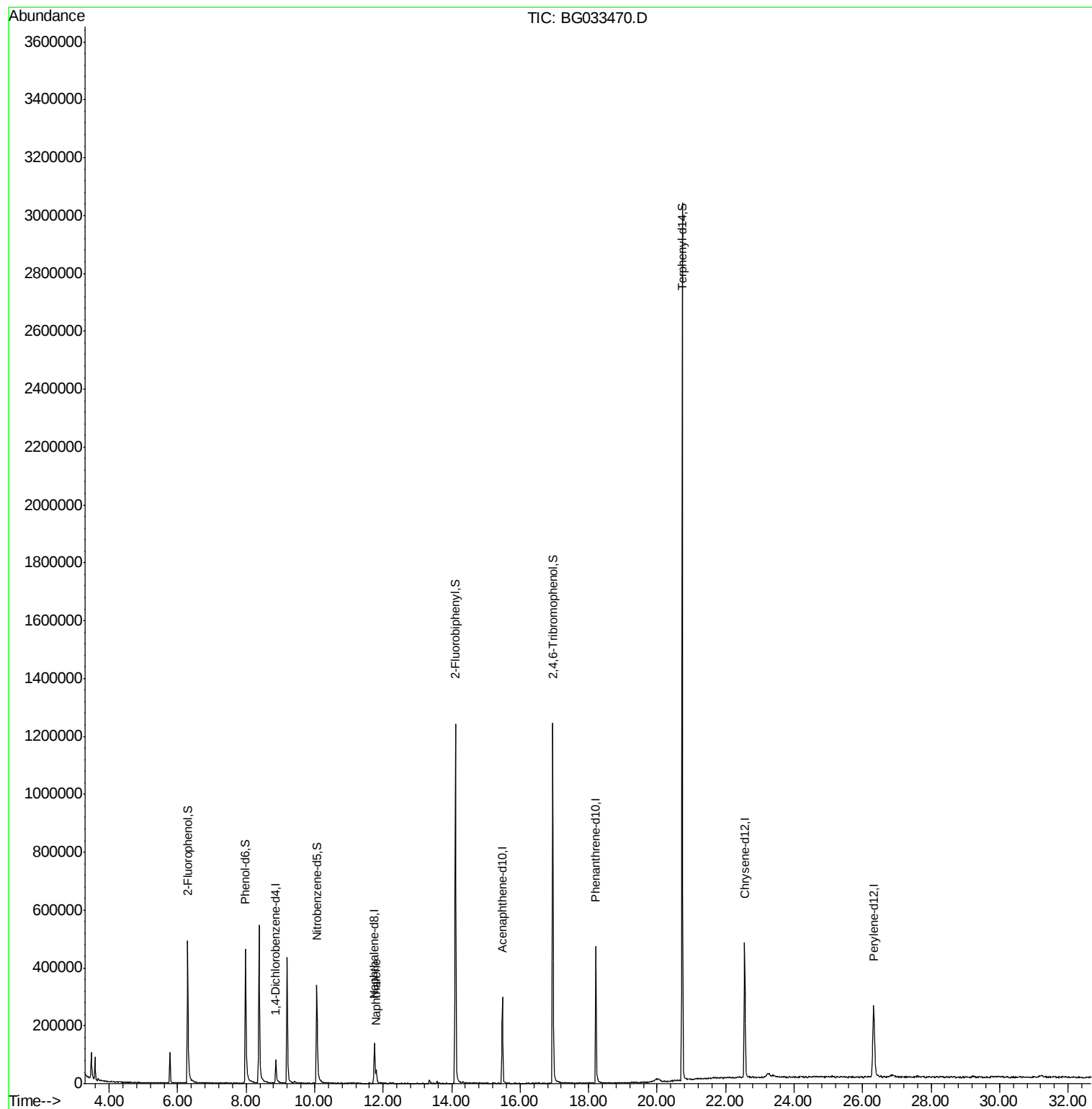
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 31105    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 11.75 | 136  | 139667   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10        | 15.48 | 164  | 112870   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 18.21 | 188  | 334830   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 22.56 | 240  | 351550   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 26.32 | 264  | 375487   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.29  | 112  | 245761   | 148.15 | ng    | 0.00      |
| 7) Phenol-d6                | 7.98  | 99   | 335388   | 117.67 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 10.07 | 82   | 262840   | 86.46  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 16.96 | 330  | 251810   | 149.17 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 14.11 | 172  | 703626   | 90.00  | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.73 | 244  | 1522138  | 92.60  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.80 | 128  | 38597    | 5.333  | ng    | Qvalue 97 |

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

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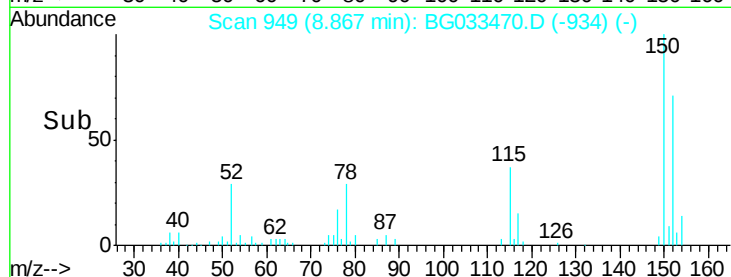
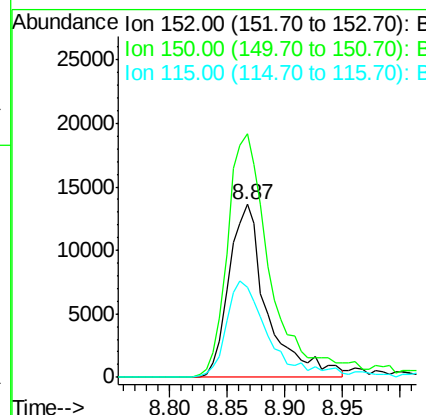
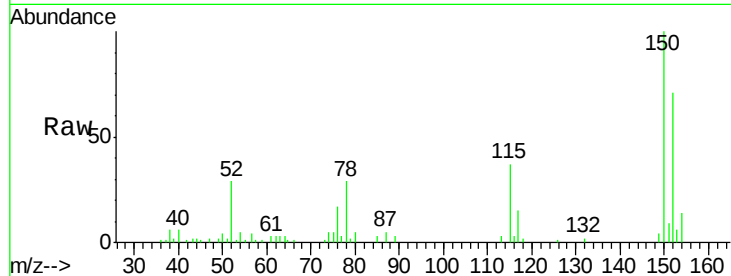


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 949  
Delta R.T. -0.01 min  
Lab File: BG033470.D  
Acq: 31 Mar 2018 6:14

Instrument :  
BNA\_G  
ClientSampleId :  
GB-RT-2334

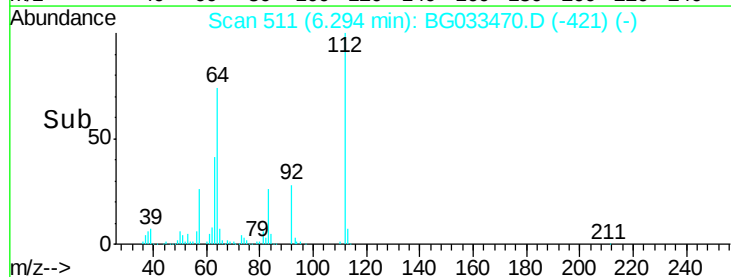
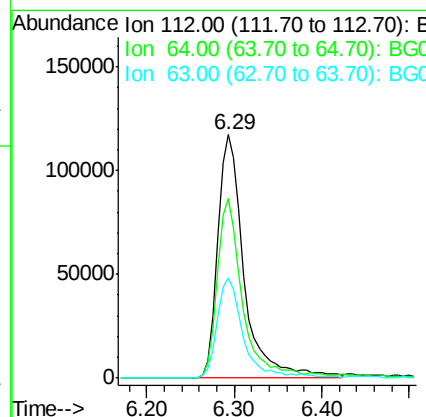
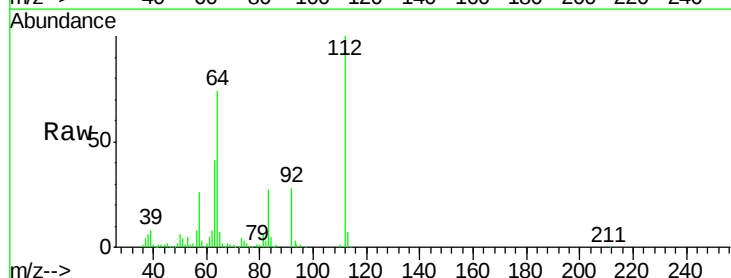
Tot Ion:152 Resp: 31105  
Ion Ratio Lower Upper  
152 100  
150 141.0 126.6 189.8  
115 52.1 53.0 79.4#

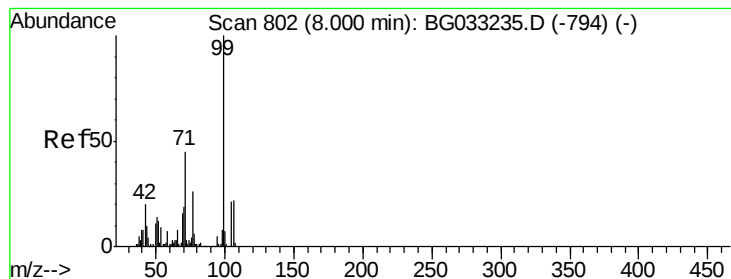


#5

2-Fluorophenol  
Concen: 148.153 ng  
RT: 6.29 min Scan# 511  
Delta R.T. 0.00 min  
Lab File: BG033470.D  
Acq: 31 Mar 2018 6:14

Tgt Ion:112 Resp: 245761  
Ion Ratio Lower Upper  
112 100  
64 73.6 56.3 84.5  
63 41.1 30.1 45.1





#7

Phenol-d6

Concen: 117.672 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG033470.D

Acq: 31 Mar 2018 6:14

Instrument :

BNA\_G

ClientSampleId :

GB-RT-2334

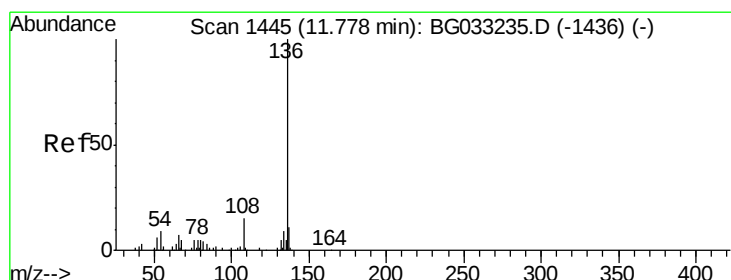
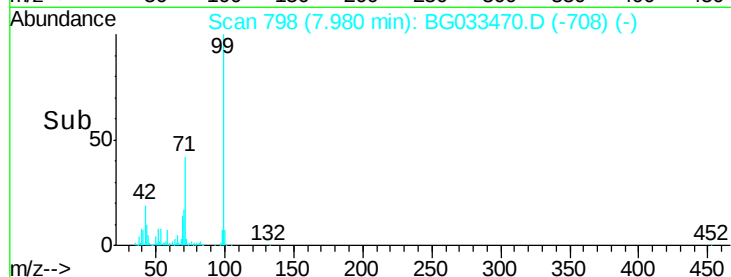
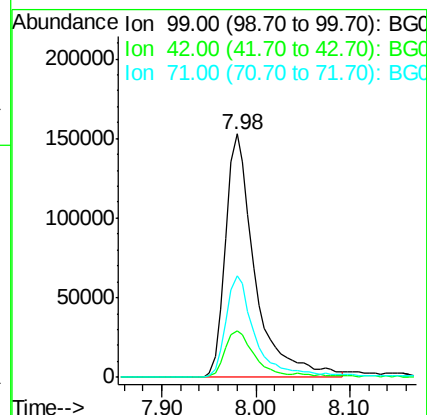
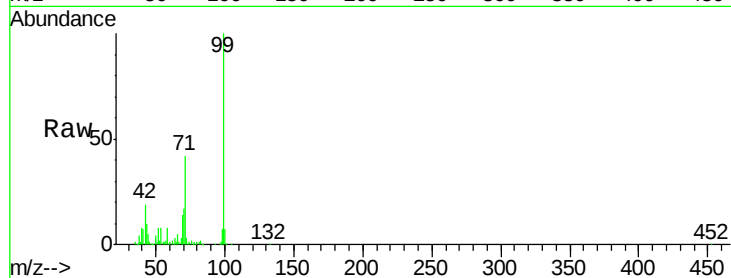
Tot Ion: 99 Resp: 335388

Ion Ratio Lower Upper

99 100

42 19.0 14.1 21.1

71 41.6 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BG033470.D

Acq: 31 Mar 2018 6:14

Tgt Ion: 136 Resp: 139667

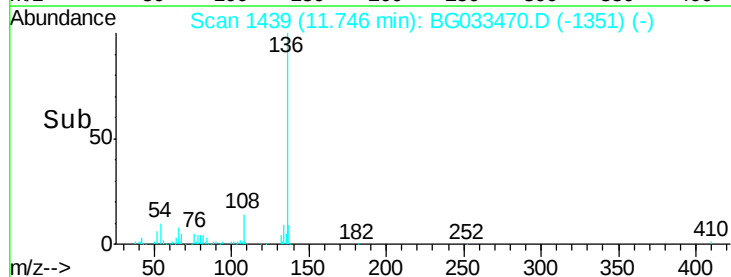
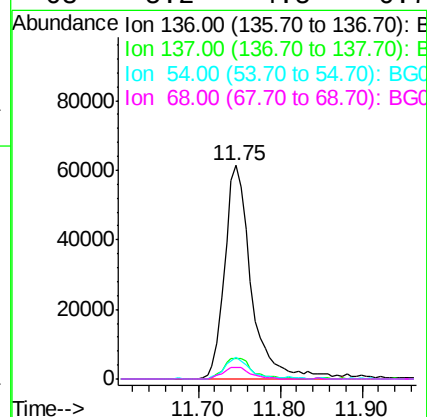
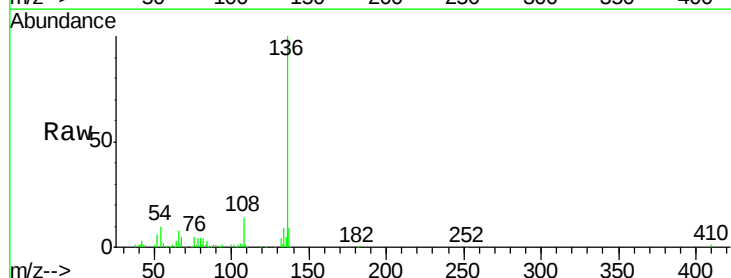
Ion Ratio Lower Upper

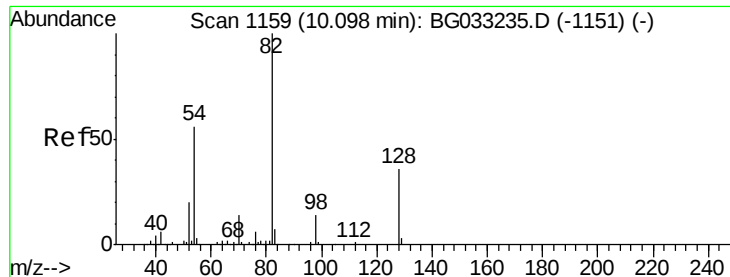
136 100

137 9.4 9.2 13.8

54 10.0 10.3 15.5#

68 5.2 4.5 6.7

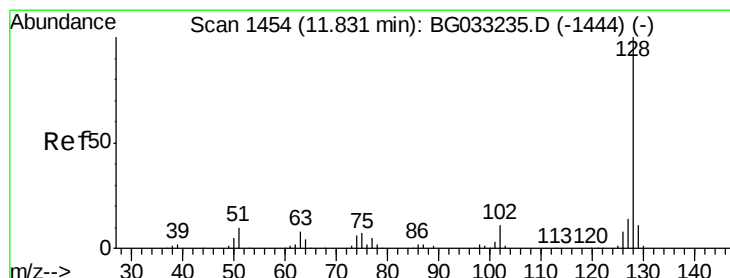
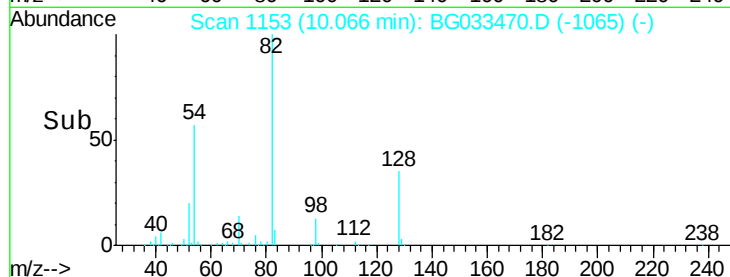
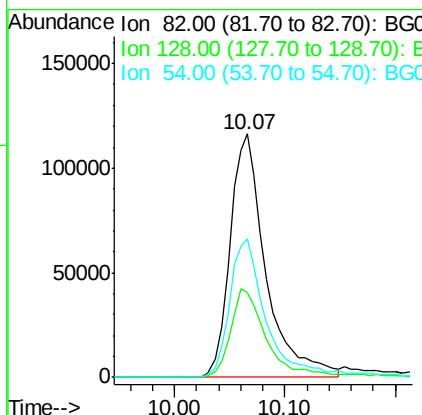
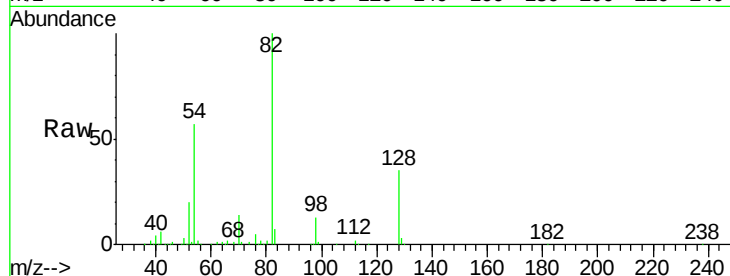




#23  
 Nitrobenzene-d5  
 Concen: 86.462 ng  
 RT: 10.07 min Scan# 1153  
 Delta R.T. -0.01 min  
 Lab File: BG033470.D  
 Acq: 31 Mar 2018 6:14

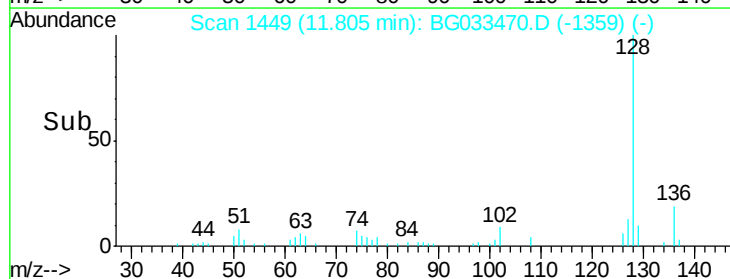
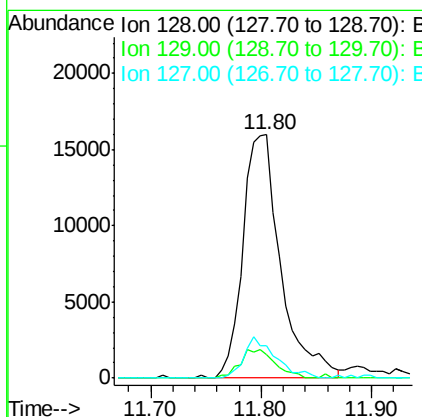
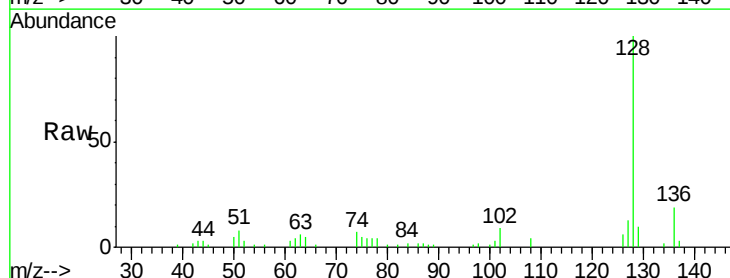
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GB-RT-2334

Tot Ion: 82 Resp: 262840  
 Ion Ratio Lower Upper  
 82 100  
 128 34.8 29.7 44.5  
 54 57.1 43.1 64.7



#31  
 Naphthalene  
 Concen: 5.333 ng  
 RT: 11.80 min Scan# 1449  
 Delta R.T. 0.00 min  
 Lab File: BG033470.D  
 Acq: 31 Mar 2018 6:14

Tgt Ion: 128 Resp: 38597  
 Ion Ratio Lower Upper  
 128 100  
 129 9.7 8.6 12.8  
 127 13.2 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033470.D

Acq: 31 Mar 2018 6:14

Instrument :

BNA\_G

ClientSampleId :

GB-RT-2334

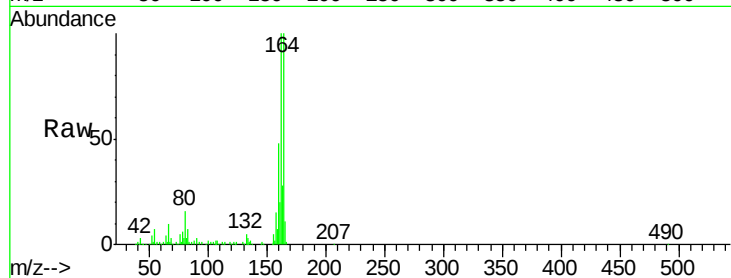
Tot Ion:164 Resp: 112870

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

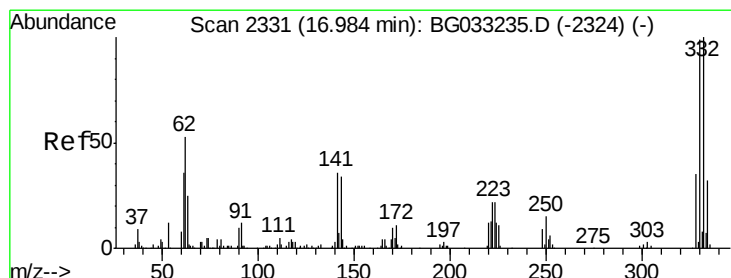
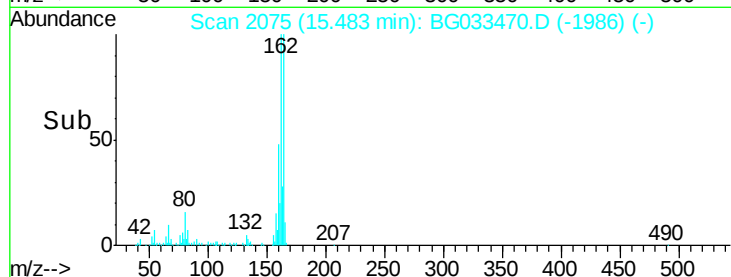
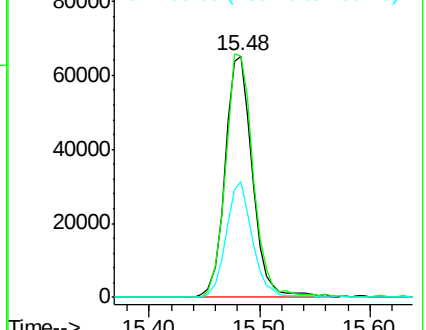
160 47.6 35.4 53.0



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: 149.168 ng

RT: 16.96 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BG033470.D

Acq: 31 Mar 2018 6:14

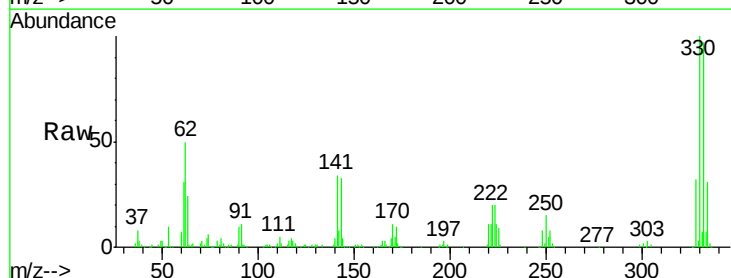
Tgt Ion:330 Resp: 251810

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

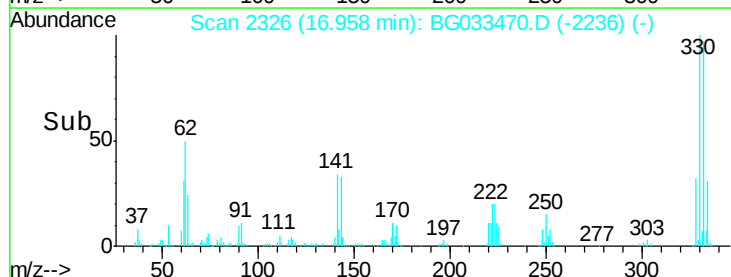
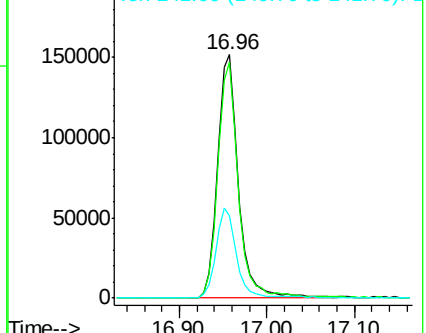
141 36.5 25.2 37.8



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

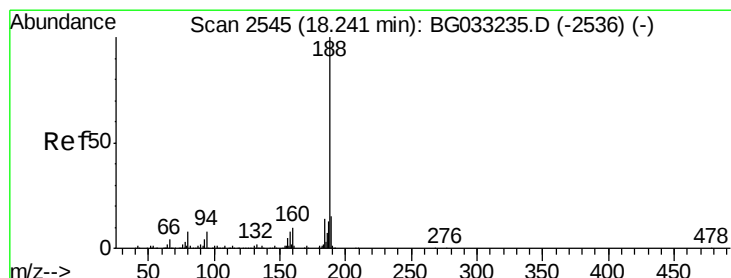
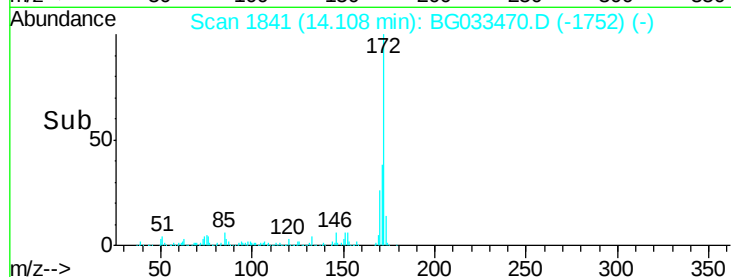
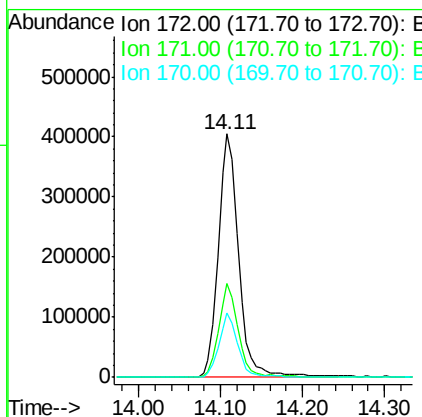
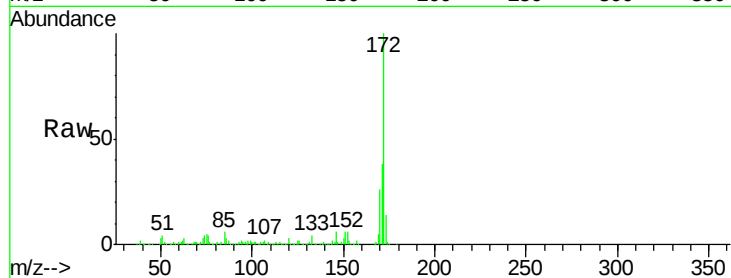




#44  
 2-Fluorobiphenyl  
 Concen: 89.995 ng  
 RT: 14.11 min Scan# 1841  
 Delta R.T. -0.01 min  
 Lab File: BG033470.D  
 Acq: 31 Mar 2018 6:14

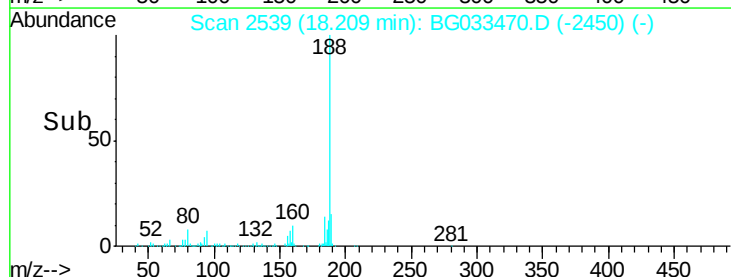
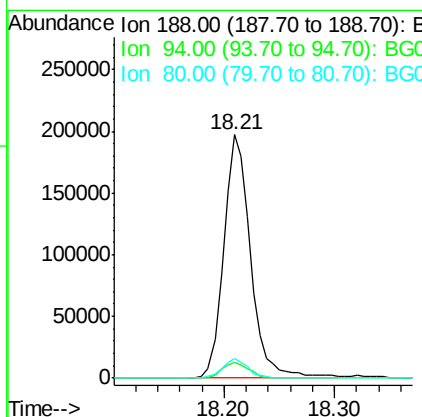
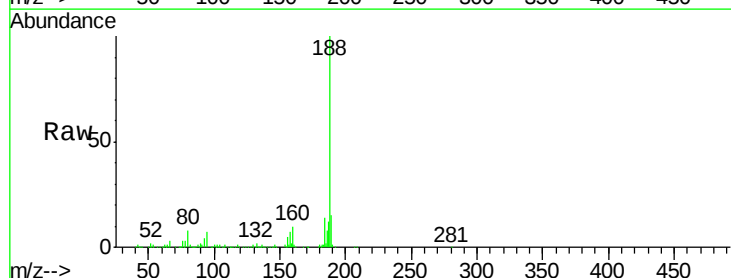
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GB-RT-2334

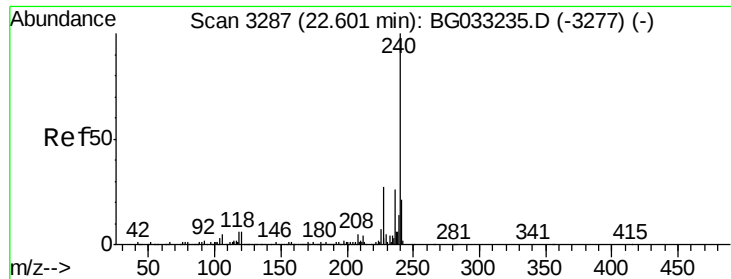
Tot Ion:172 Resp: 703626  
 Ion Ratio Lower Upper  
 172 100  
 171 38.4 30.0 45.0  
 170 26.4 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2539  
 Delta R.T. -0.01 min  
 Lab File: BG033470.D  
 Acq: 31 Mar 2018 6:14

Tgt Ion:188 Resp: 334830  
 Ion Ratio Lower Upper  
 188 100  
 94 6.7 6.9 10.3#  
 80 7.9 7.7 11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033470.D

Acq: 31 Mar 2018 6:14

Instrument :

BNA\_G

ClientSampleId :

GB-RT-2334

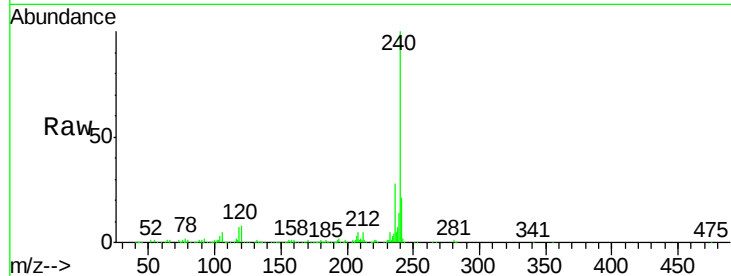
Tot Ion:240 Resp: 351550

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

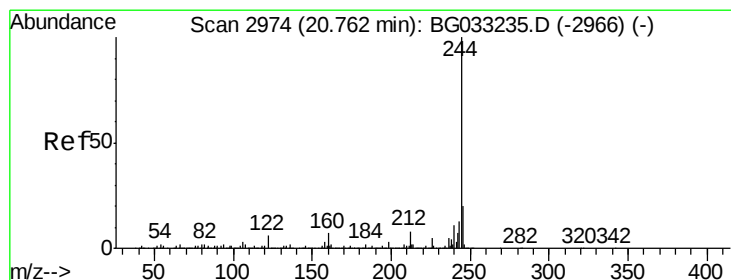
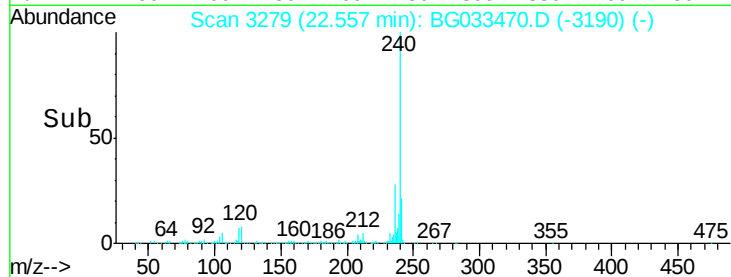
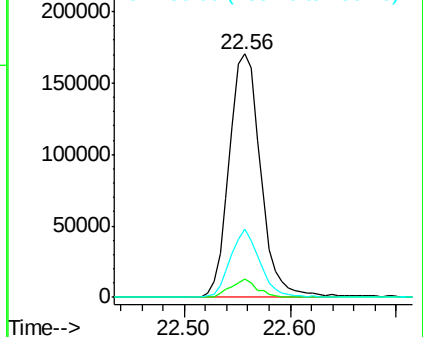
236 28.0 20.9 31.3



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: 92.597 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG033470.D

Acq: 31 Mar 2018 6:14

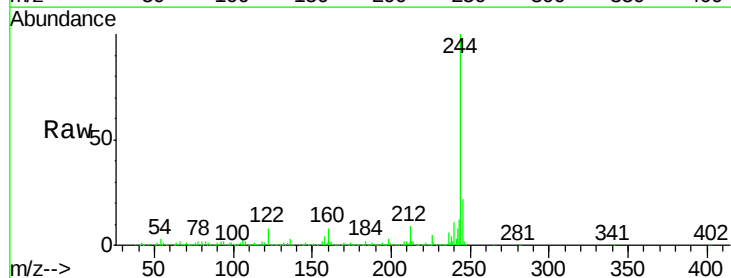
Tgt Ion:244 Resp: 1522138

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

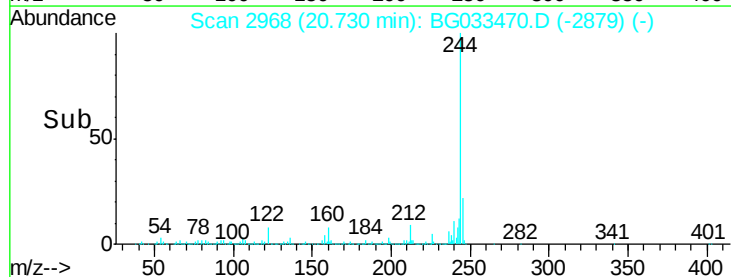
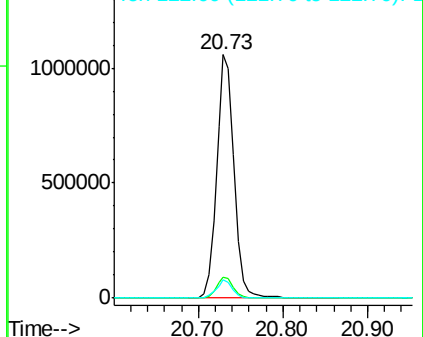
122 7.5 7.0 10.4



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

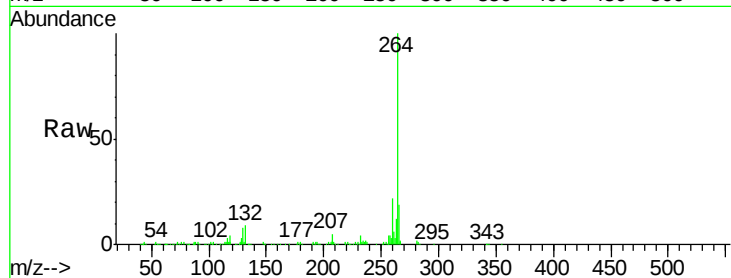




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.32 min Scan# 3919  
 Delta R.T. -0.02 min  
 Lab File: BG033470.D  
 Acq: 31 Mar 2018 6:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GB-RT-2334

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.1  | 17.4  | 26.0  |
| 265     | 19.4  | 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

